

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
 Data File : BF116296.D
 Acq On : 15 Aug 2019 23:25
 Operator : HP/JU
 Sample : K4321-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2MSD

Manual Integrations
 APPROVED

Jagrut
 8/16/2019 5:34:12 PM

Quant Time: Aug 16 11:20:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	86566	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	337533	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	186937	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	340795	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	303733	20.00	ng	-0.03
87) Perylene-d12	15.44	264	327055	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	640058	123.78	ng	-0.03
7) Phenol-d6	6.46	99	819293	125.58	ng	-0.02
23) Nitrobenzene-d5	7.38	82	523819	89.58	ng	-0.04
42) 2,4,6-Tribromophenol	10.65	330	239707	132.26	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	952404	95.43	ng	-0.04
79) Terphenyl-d14	12.92	244	1234772	85.66	ng	-0.04

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.52	88	89634	34.312	ng	99
3) Pyridine	3.29	79	231720	31.754	ng	98
4) n-Nitrosodimethylamine	3.22	42	104620m	36.329	ng	
6) Aniline	6.48	93	279298	29.893	ng	# 78
8) 2-Chlorophenol	6.61	128	258679	45.239	ng	99
9) Benzaldehyde	6.37	77	120014	26.660	ng	98
10) Phenol	6.47	94	341809	44.490	ng	86
11) bis(2-Chloroethyl)ether	6.55	93	248916	44.068	ng	99
12) 1,3-Dichlorobenzene	6.76	146	273580	41.399	ng	99
13) 1,4-Dichlorobenzene	6.83	146	282537	42.700	ng	98
14) 1,2-Dichlorobenzene	6.99	146	262202	43.036	ng	98
15) Benzyl Alcohol	6.96	79	216304	43.688	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	322073	41.803	ng	90
17) 2-Methylphenol	7.08	107	214195	44.239	ng	98
18) Hexachloroethane	7.32	117	100017	41.056	ng	96
19) n-Nitroso-di-n-propylamine	7.23	70	178970	44.268	ng	97
20) 3+4-Methylphenols	7.23	107	280056	48.878	ng	93
22) Acetophenone	7.23	105	357790	48.333	ng	# 94
24) Nitrobenzene	7.40	77	285922	45.285	ng	97
25) Isophorone	7.64	82	509942	45.607	ng	100
26) 2-Nitrophenol	7.72	139	140850	47.325	ng	92
27) 2,4-Dimethylphenol	7.76	122	230918	51.570	ng	100
28) bis(2-Chloroethoxy)methane	7.85	93	316062	45.606	ng	99
29) 2,4-Dichlorophenol	7.97	162	228994	48.435	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	237853	44.134	ng	100
31) Naphthalene	8.12	128	754334	47.491	ng	98
32) Benzoic acid	7.90	122	107042	33.907	ng	98
33) 4-Chloroaniline	8.17	127	136314	19.208	ng	99
34) Hexachlorobutadiene	8.23	225	132789	42.777	ng	99
35) Caprolactam	8.54	113	74078m	48.445	ng	
36) 4-Chloro-3-methylphenol	8.66	107	238704	48.532	ng	97
37) 2-Methylnaphthalene	8.81	142	504763	48.253	ng	98
38) 1-Methylnaphthalene	8.91	142	470681	47.562	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	228556	45.733	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	90051	43.088	nq	100
43) 2,4,6-Trichlorophenol	9.10	196	144226	41.927	nq	99
44) 2,4,5-Trichlorophenol	9.15	196	152805	42.973	nq	97
46) 1,1'-Biphenyl	9.27	154	623090	47.212	nq	98
47) 2-Chloronaphthalene	9.30	162	482268	43.905	nq	100
48) 2-Nitroaniline	9.40	65	155912	42.942	nq	90
49) Acenaphthylene	9.72	152	752378	46.950	nq	98
50) Dimethylphthalate	9.57	163	666563	52.369	nq	100
51) 2,6-Dinitrotoluene	9.64	165	127413	46.063	nq	92
52) Acenaphthene	9.89	154	456757	46.460	nq	100
53) 3-Nitroaniline	9.82	138	97498	28.526	nq	95
54) 2,4-Dinitrophenol	9.93	184	85270	62.503	nq	99
55) Dibenzofuran	10.06	168	666852	46.642	nq	99
56) 4-Nitrophenol	9.99	139	166341	75.973	nq	93
57) 2,4-Dinitrotoluene	10.05	165	168302	45.699	nq	94
58) Fluorene	10.40	166	543753	49.433	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.19	232	139336	46.576	nq	99
60) Diethylphthalate	10.27	149	566712	47.689	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	271182	48.678	nq	99
62) 4-Nitroaniline	10.43	138	144049	40.782	nq	98
63) Azobenzene	10.55	77	587024	48.027	nq	96
65) 4,6-Dinitro-2-methylphenol	10.47	198	79344	43.934	nq	97
66) n-Nitrosodiphenylamine	10.51	169	477463	46.547	nq	100
67) 4-Bromophenyl-phenylether	10.87	248	164124	44.988	nq	96
68) Hexachlorobenzene	10.96	284	185325	43.931	nq	93
69) Atrazine	11.03	200	156009	46.231	nq	99
70) Pentachlorophenol	11.15	266	146322	71.443	nq	99
71) Phenanthrene	11.36	178	826538	47.442	nq	99
72) Anthracene	11.42	178	863483	48.972	nq	99
73) Carbazole	11.57	167	791609	49.486	nq	99
74) Di-n-butylphthalate	11.89	149	958038	51.340	nq	98
75) Fluoranthene	12.55	202	926493	50.797	nq	98
77) Benzidine	12.67	184	432622	42.160	nq	98
78) Pyrene	12.78	202	945341	41.289	nq	99
80) Butylbenzylphthalate	13.39	149	435484	44.965	nq	99
81) Benzo(a)anthracene	13.97	228	881977	45.431	nq	100
82) 3,3'-Dichlorobenzidine	13.93	252	179283	26.582	nq	98
83) Chrysene	14.00	228	882499	46.823	nq	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	629750	50.037	nq #	97
85) Di-n-octyl phthalate	14.55	149	1065669	53.309	nq	99
86) Indeno(1,2,3-cd)pyrene	16.90	276	847474	53.536	nq	100
88) Benzo(b)fluoranthene	15.02	252	844053	44.634	nq	99
89) Benzo(k)fluoranthene	15.04	252	854304	46.381	nq	99
90) Benzo(a)pyrene	15.37	252	809000	47.856	nq	99
91) Dibenzo(a,h)anthracene	16.90	278	712486	48.691	nq	100
92) Benzo(g,h,i)perylene	17.33	276	702556	48.888	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

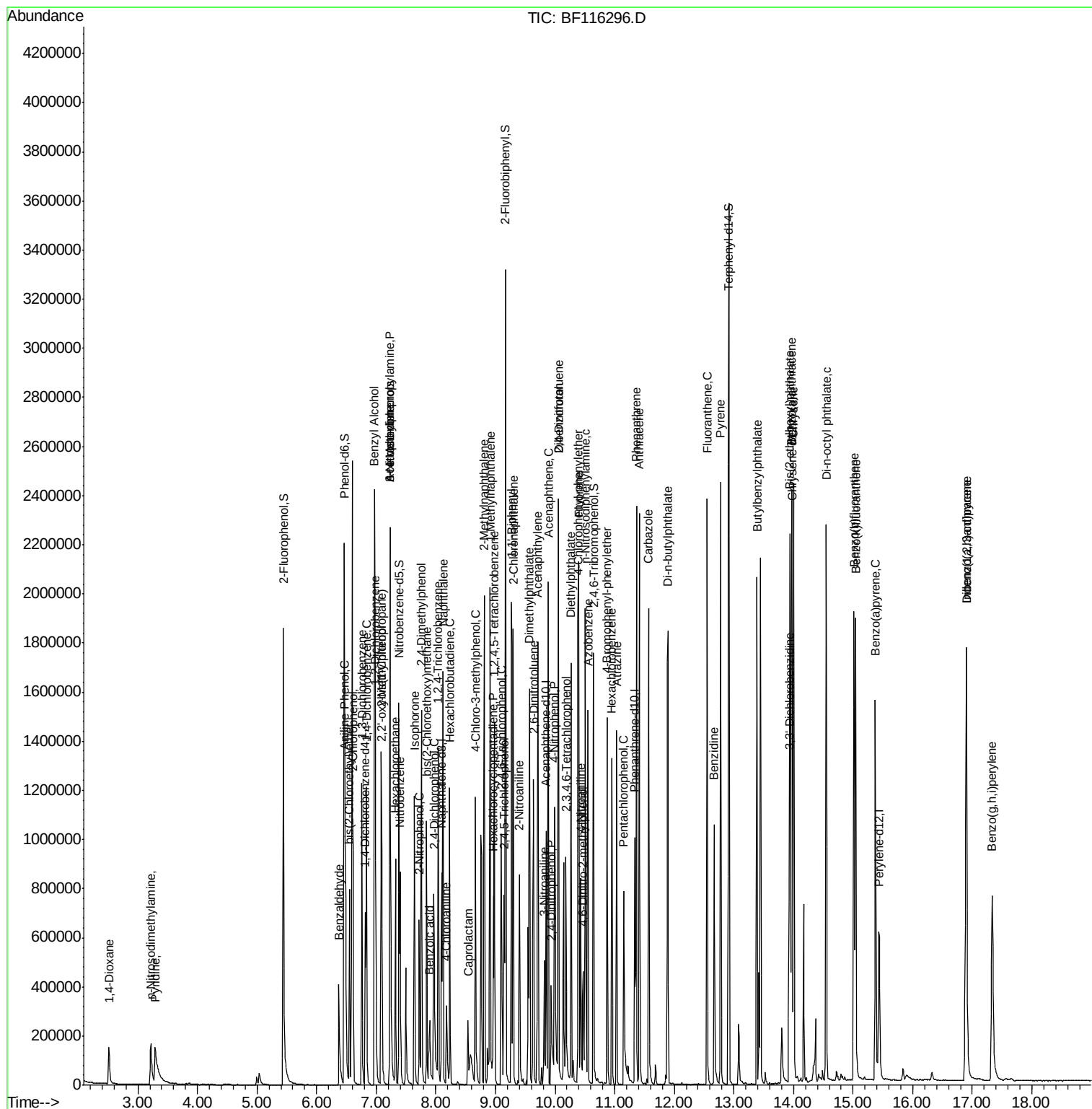
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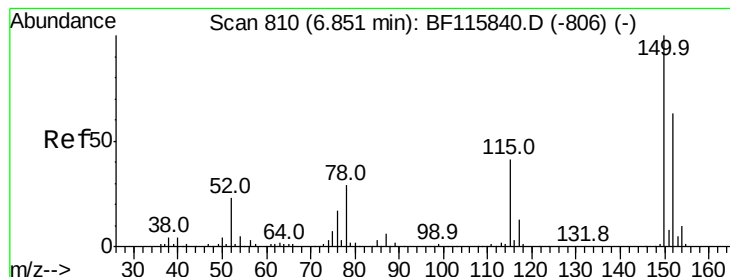
Instrument :
 BNA_F
 ClientSampleId :
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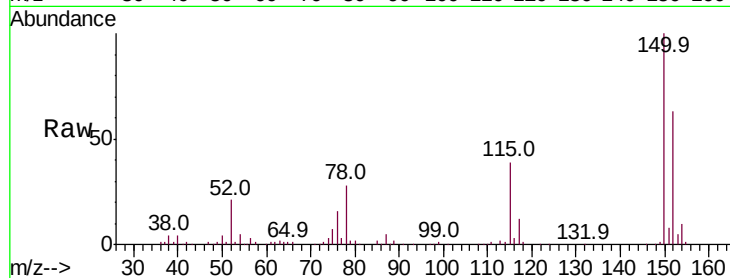
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :
 SP-2MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	61.6	49.9	74.9

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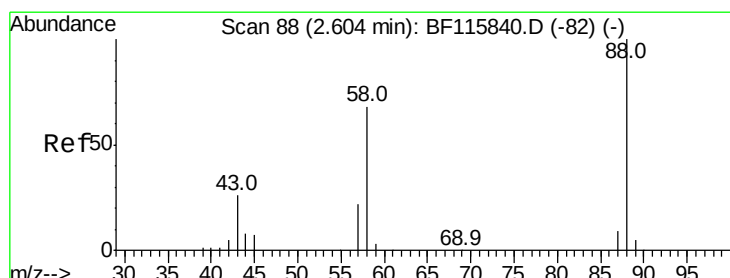
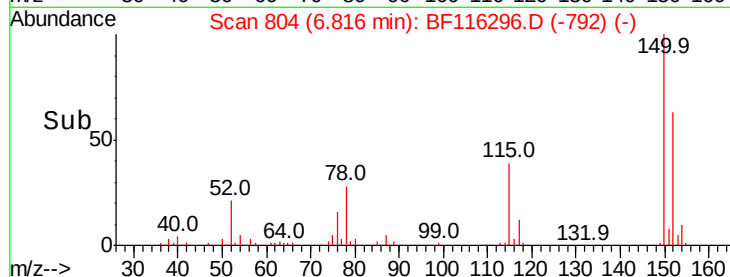
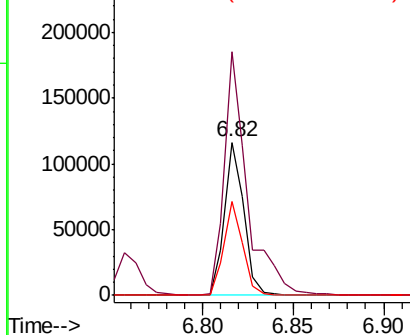


Abundance

Ion 152.00 (151.70 to 152.70): E

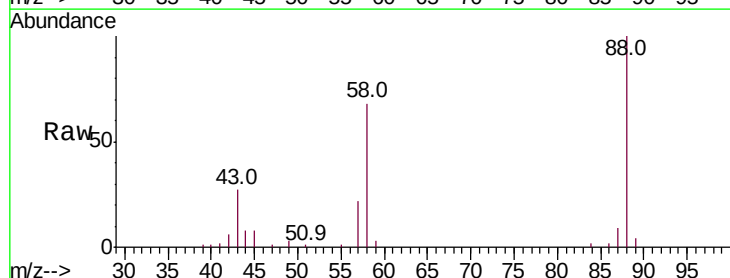
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2
 1,4-Dioxane
 Concen: 34.312 ng
 RT: 2.52 min Scan# 73
 Delta R.T. -0.09 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.5	53.7	80.5
43	25.9	21.0	31.4

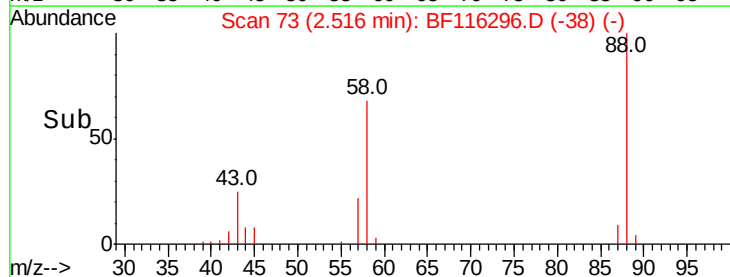
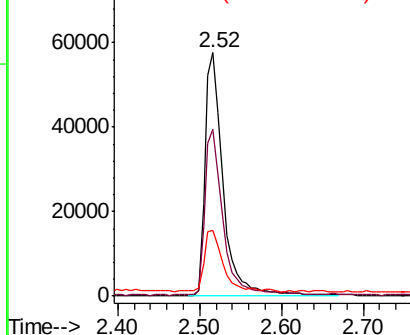


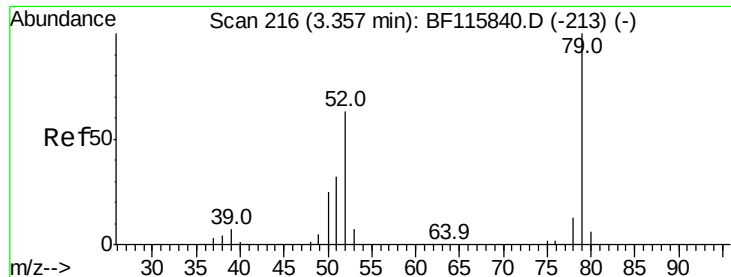
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 31.754 ng

RT: 3.29 min Scan# 204

Delta R.T. -0.08 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

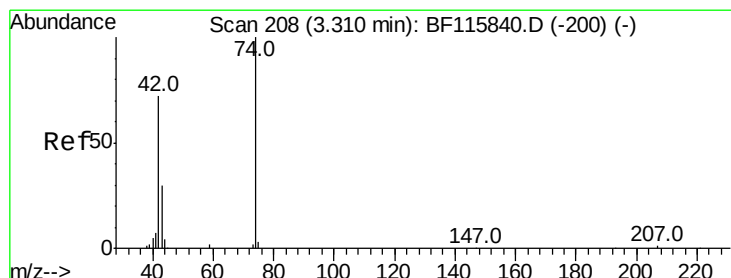
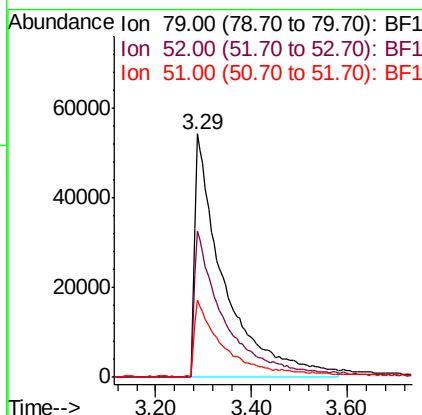
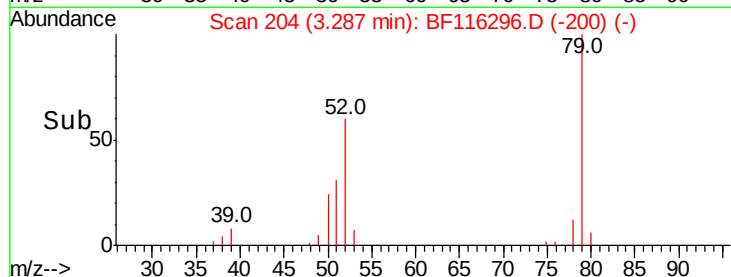
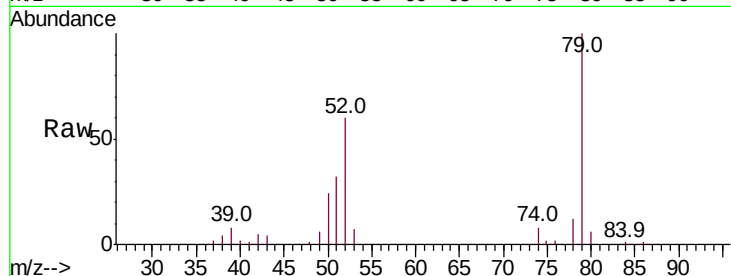
ClientSampleId :

SP-2MSD

Tot Ion:	79	Resp:	231720
Ion Ratio	Lower	Upper	
79	100		
52	60.2	49.8	74.8
51	31.6	25.2	37.8

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#4

n-Nitrosodimethylamine

Concen: 36.329 ng m

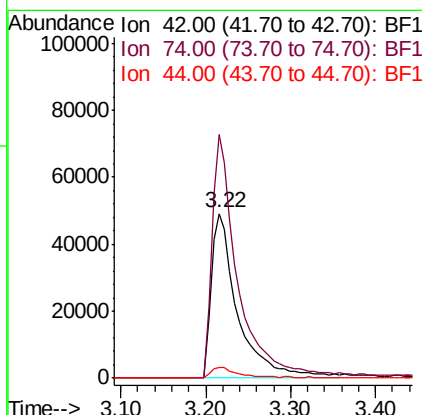
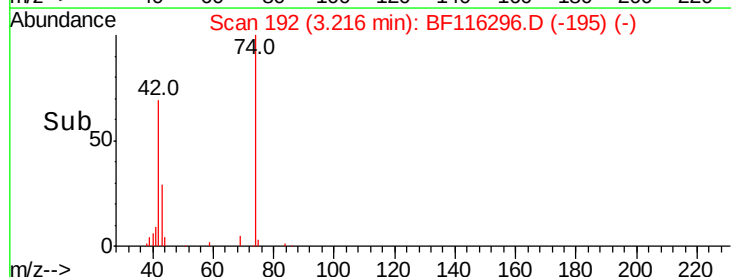
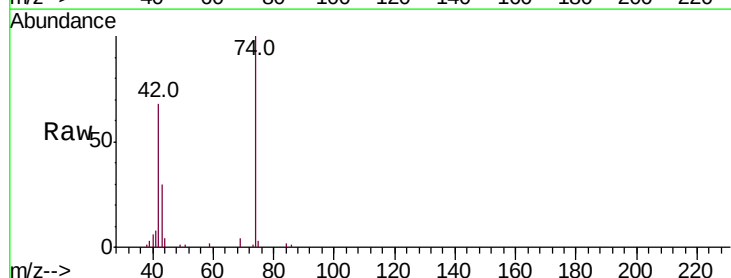
RT: 3.22 min Scan# 192

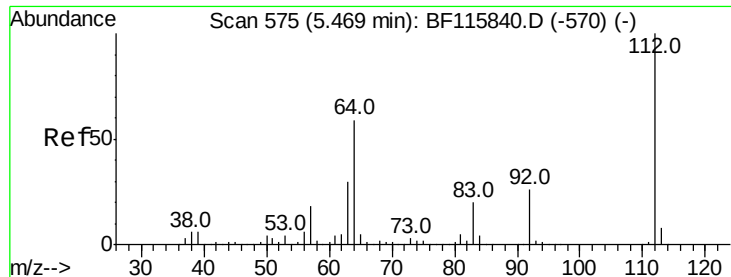
Delta R.T. -0.12 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	42	Resp:	104620
Ion Ratio	Lower	Upper	
42	100		
74	147.8	116.0	174.0
44	6.2	4.6	7.0





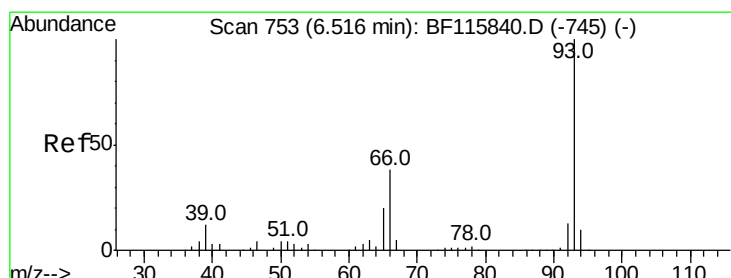
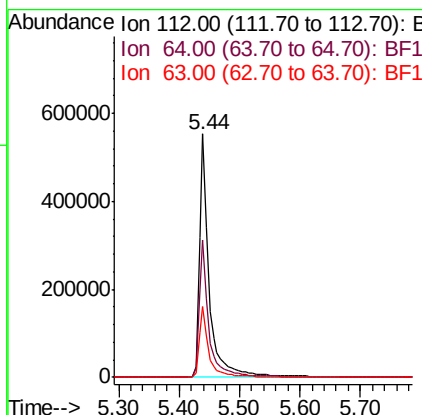
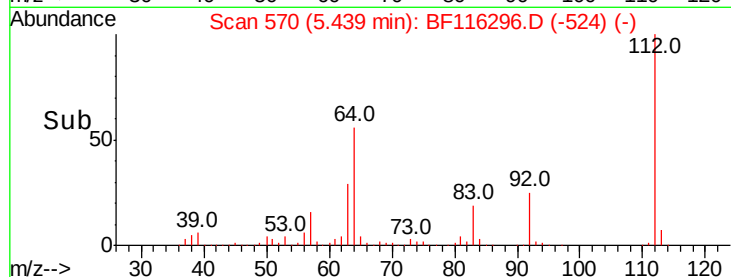
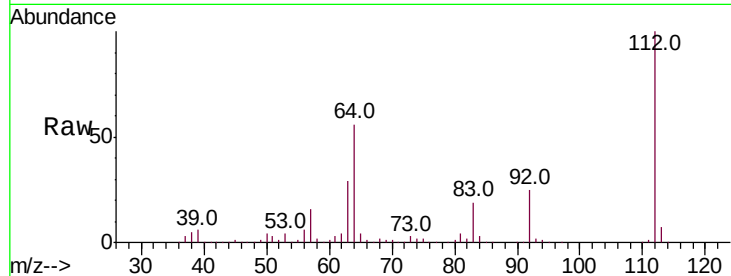
#5
 2-Fluorophenol
 Concen: 123.778 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

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Tot Ion:	112	Resp:	640058
Ion Ratio	Lower	Upper	
112	100		
64	56.3	45.4	68.2
63	29.1	23.7	35.5

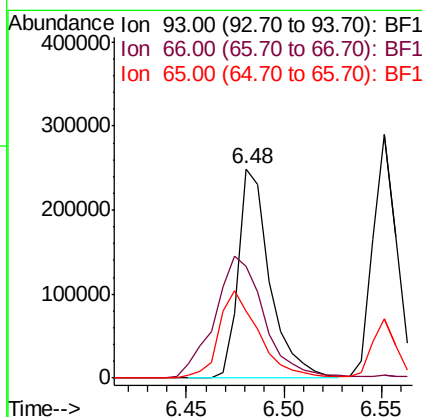
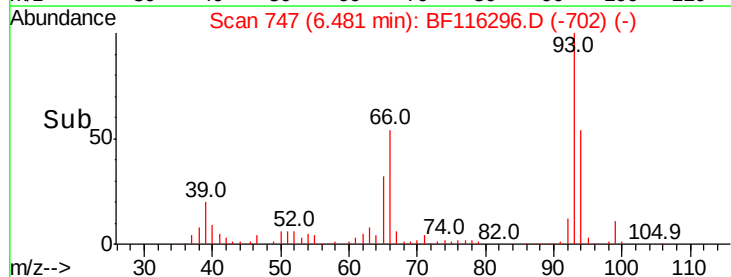
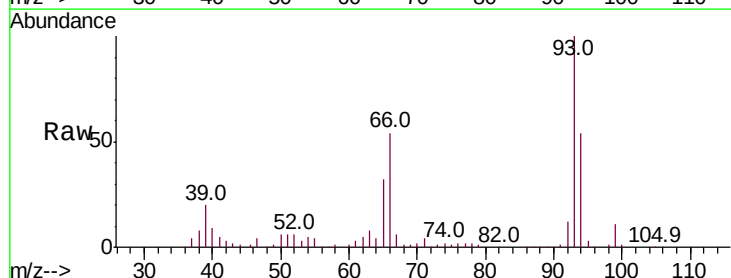
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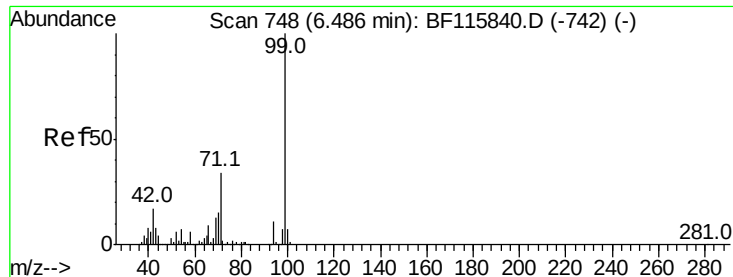
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#6
 Aniline
 Concen: 29.893 ng
 RT: 6.48 min Scan# 747
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion:	93	Resp:	279298
Ion Ratio	Lower	Upper	
93	100		
66	53.8	32.2	48.4#
65	31.8	17.0	25.6#





#7

Phenol-d6

Concen: 125.579 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

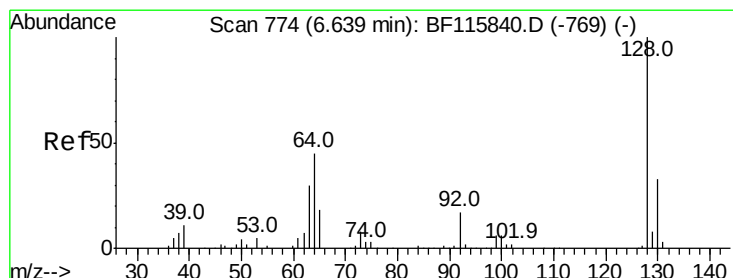
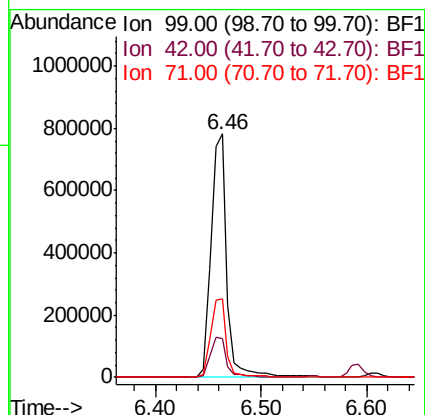
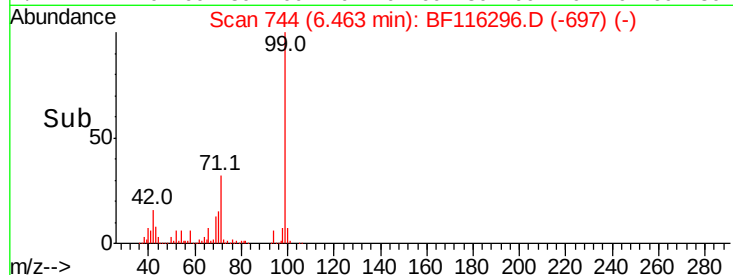
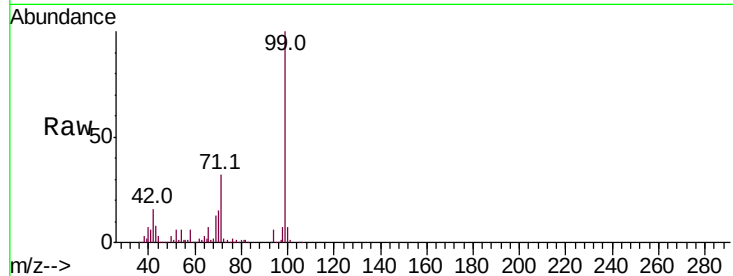
ClientSampled :

SP-2MSD

Tot Ion:	99	Resp:	819293
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.8	20.8
71	32.4	27.3	40.9

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#8

2-Chlorophenol

Concen: 45.239 ng

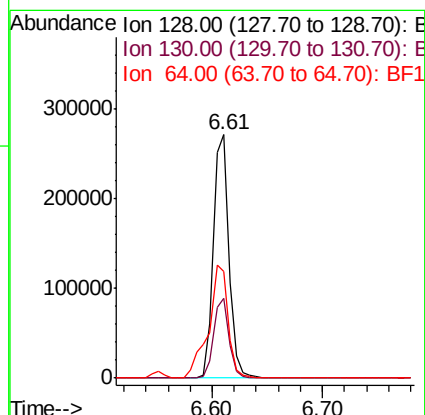
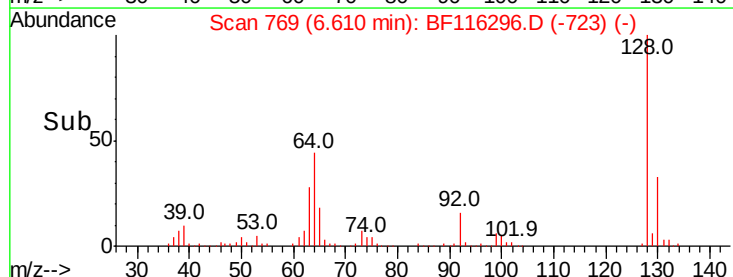
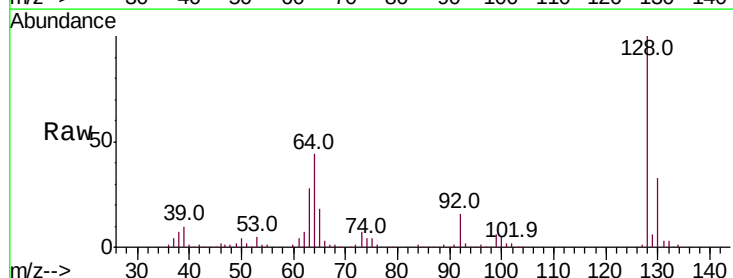
RT: 6.61 min Scan# 769

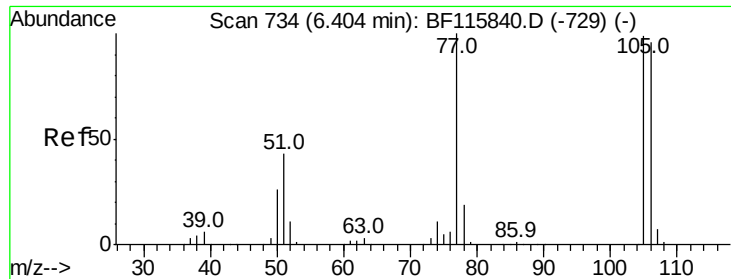
Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	128	Resp:	258679
Ion Ratio	Lower	Upper	
128	100		
130	33.0	12.9	52.9
64	43.6	24.3	64.3





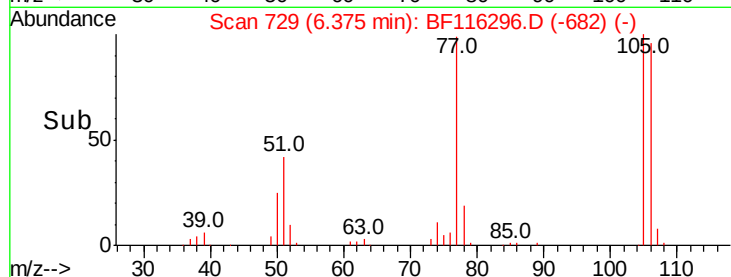
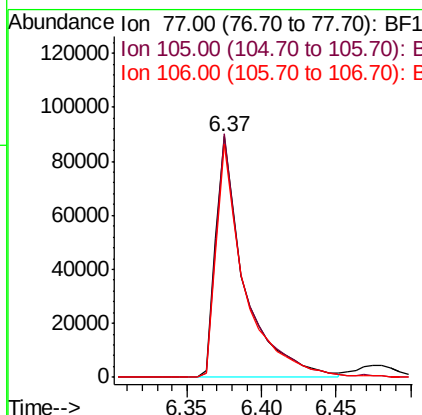
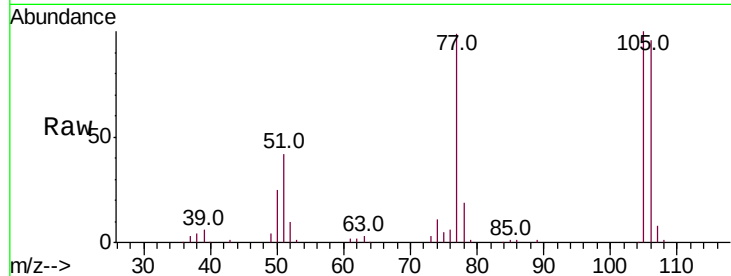
#9
Benzaldehyde
Concen: 26.660 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.02 min
Lab File: BF116296.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
77	100		
105	101.0	79.2	119.2
106	96.8	74.3	114.3

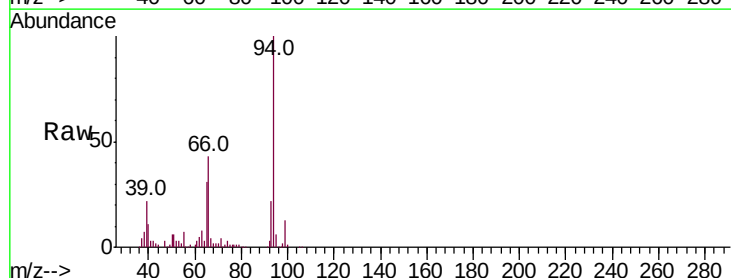
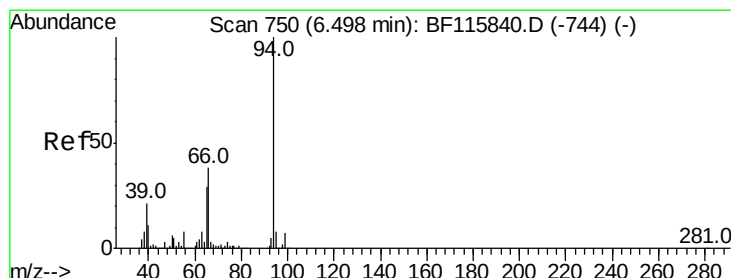
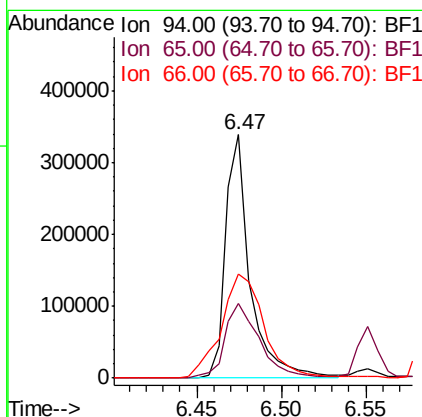
Manual Integrations
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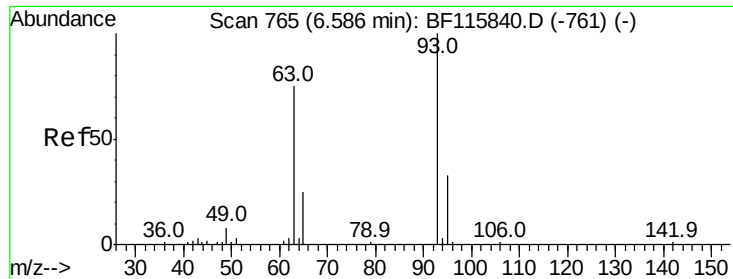
Jagrut
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#10
Phenol
Concen: 44.490 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.8	16.8	56.8
66	42.8	34.2	74.2





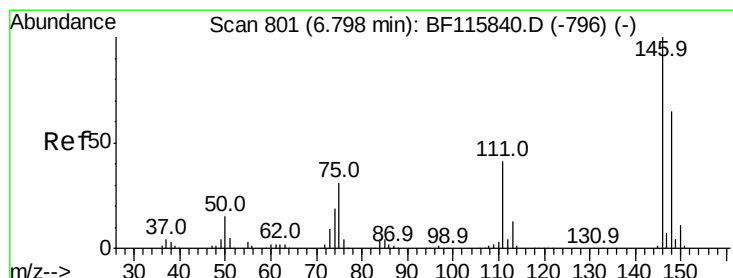
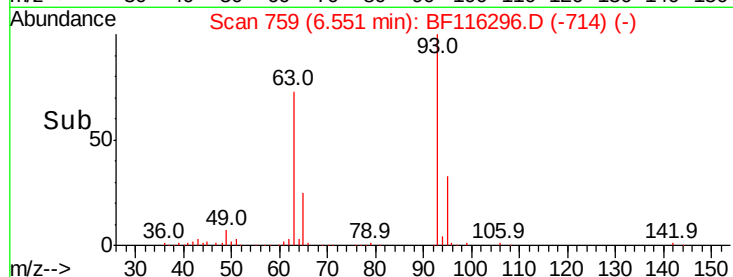
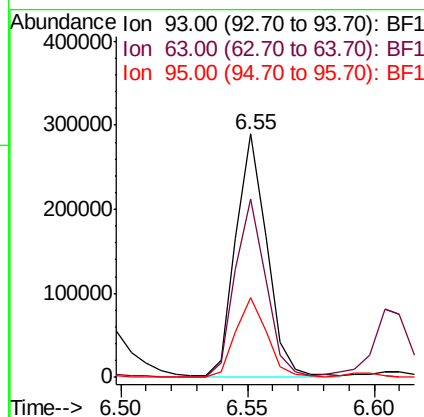
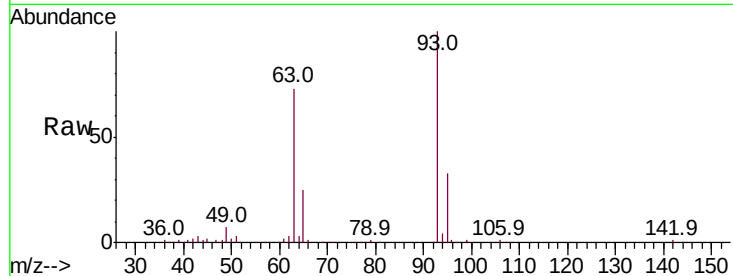
#11
bis(2-Chloroethyl)ether
Concen: 44.068 ng
RT: 6.55 min Scan# 759
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion:	93	Resp:	248916
Ion Ratio	Lower	Upper	
93	100		
63	73.3	51.9	91.9
95	32.6	13.0	53.0

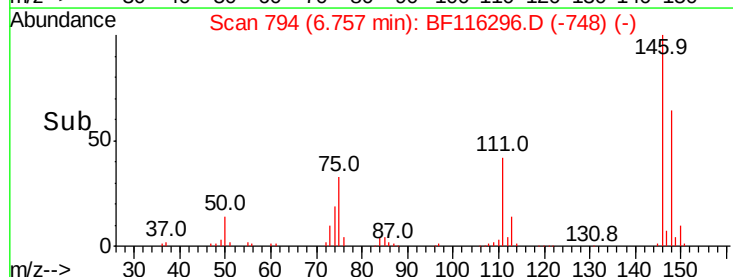
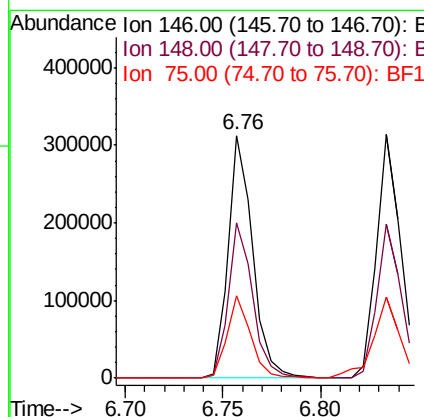
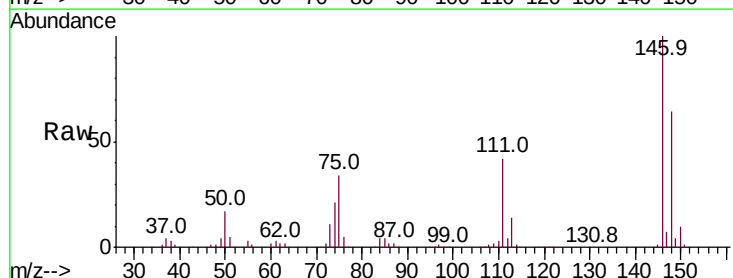
Manual Integrations
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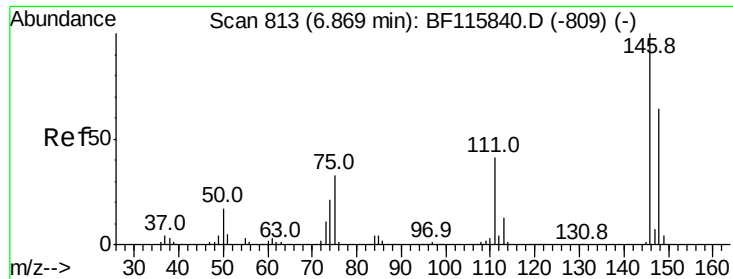
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#12
1,3-Dichlorobenzene
Concen: 41.399 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion:	146	Resp:	273580
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.3	76.9
75	33.7	27.4	41.2





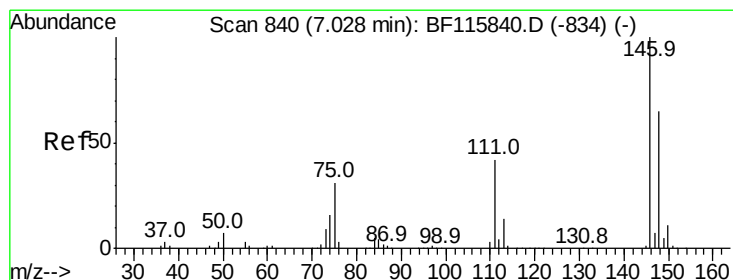
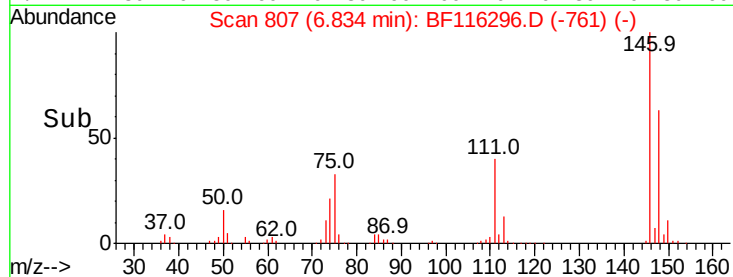
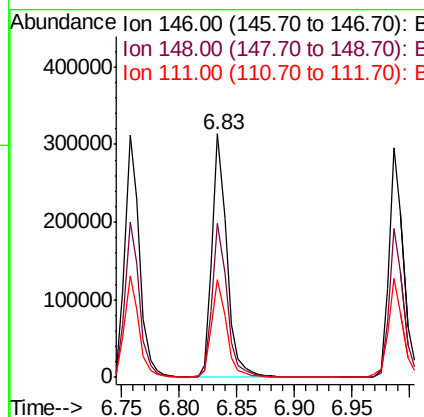
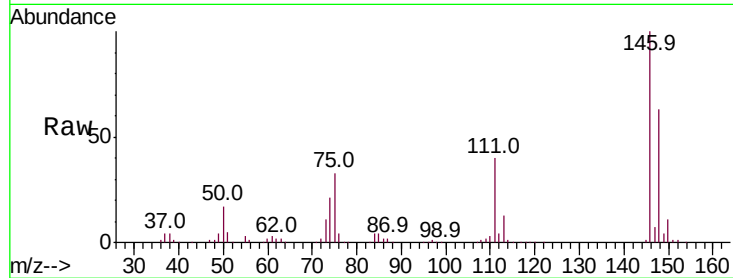
#13
 1,4-Dichlorobenzene
 Concen: 42.700 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	282537		
148	63.1		51.3	76.9
111	40.4		34.0	51.0

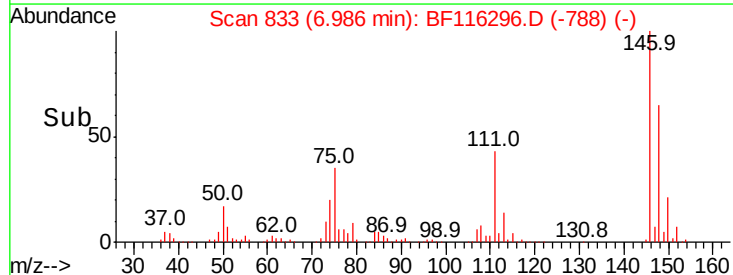
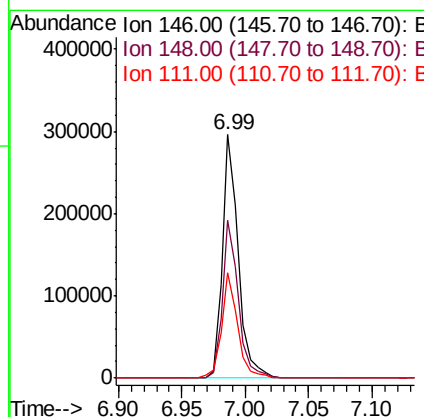
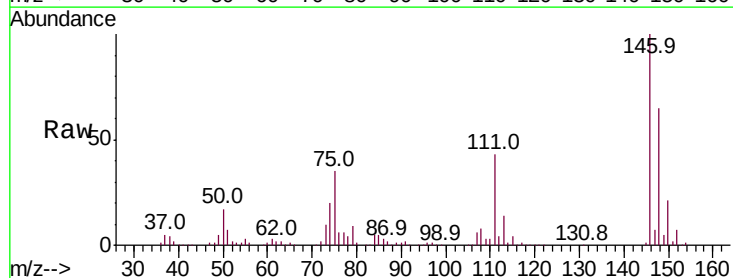
Manual Integrations
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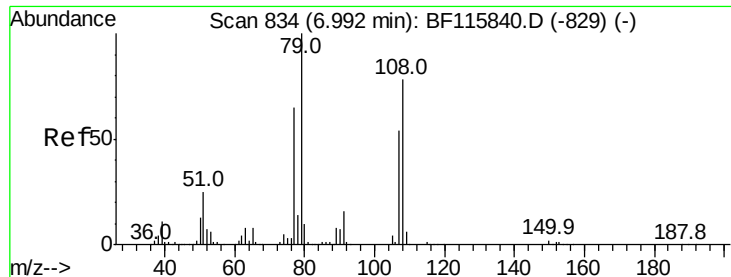
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#14
 1,2-Dichlorobenzene
 Concen: 43.036 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	262202		
148	64.9		51.2	76.8
111	43.2		33.5	50.3





#15

Benzyl Alcohol

Concen: 43.688 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

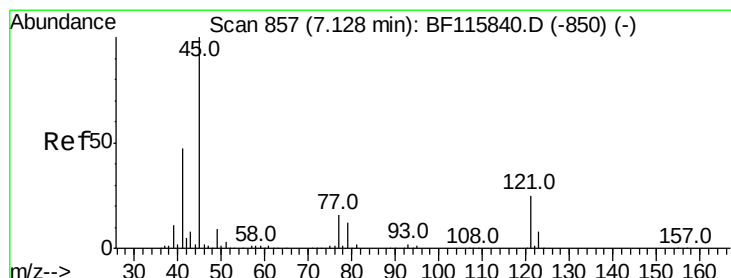
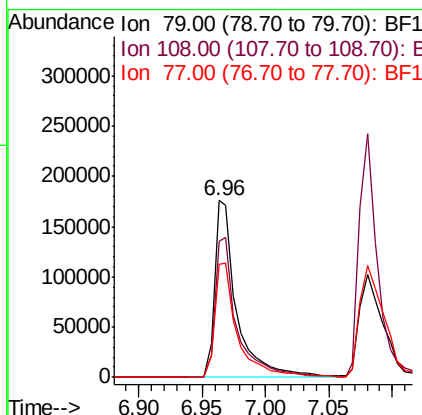
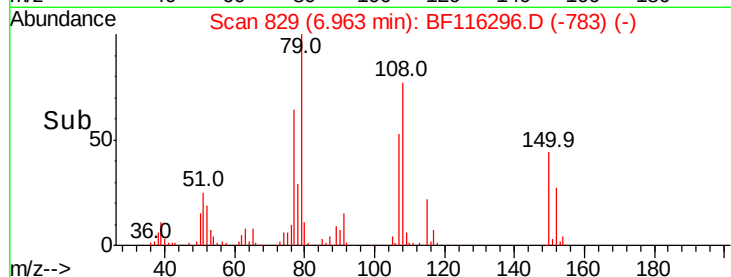
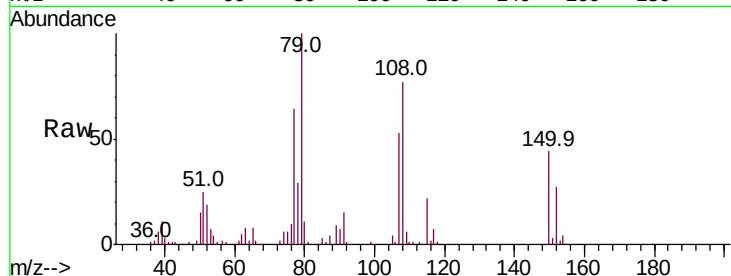
ClientSampled :

SP-2MSD

Tot Ion:	79	Resp:	216304
Ion Ratio	Lower	Upper	
79	100		
108	77.0	62.7	94.1
77	64.3	52.2	78.2

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 41.803 ng

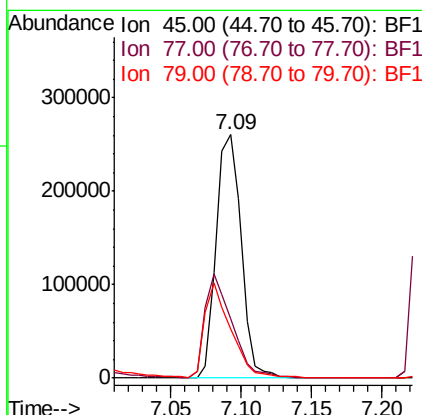
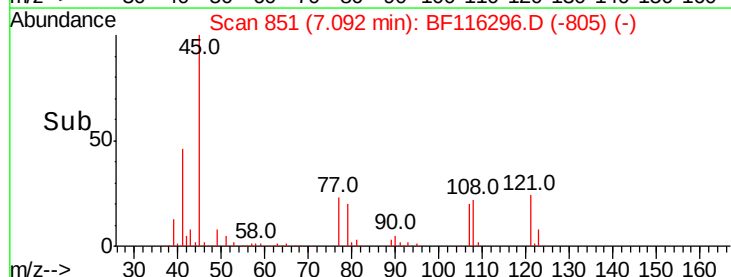
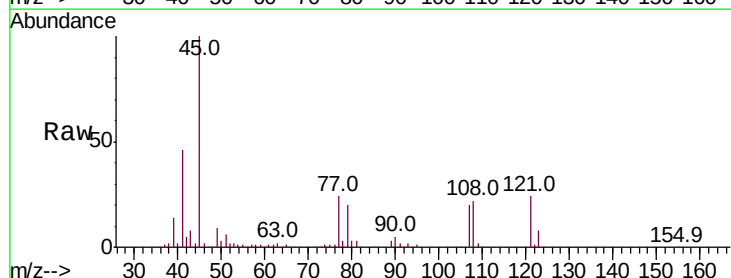
RT: 7.09 min Scan# 851

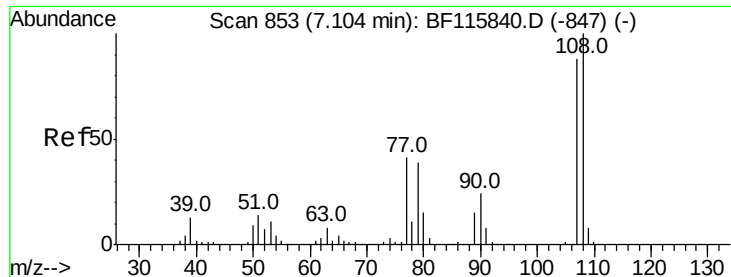
Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	45	Resp:	322073
Ion Ratio	Lower	Upper	
45	100		
77	24.4	0.0	40.0
79	20.2	0.0	35.9





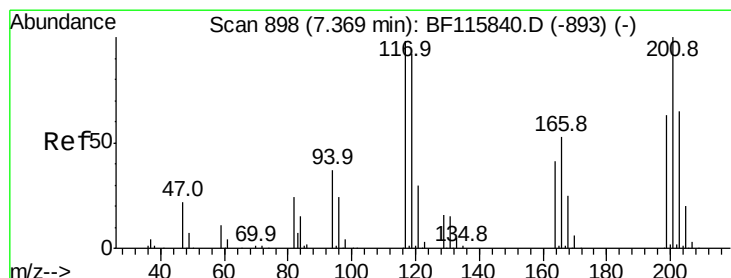
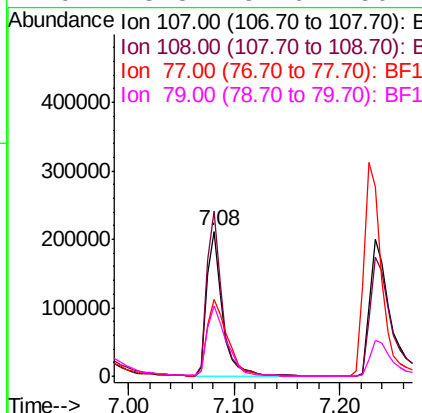
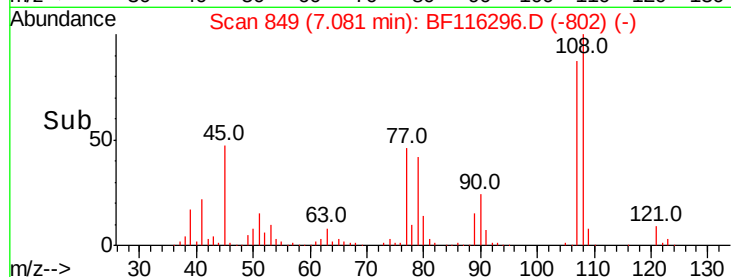
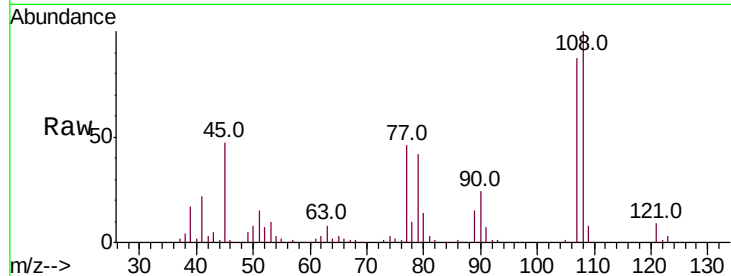
#17
2-Methylphenol
Concen: 44.239 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.02 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	214195		
108	114.6	91.2	136.8	
77	52.8	40.3	60.5	
79	48.3	37.6	56.4	

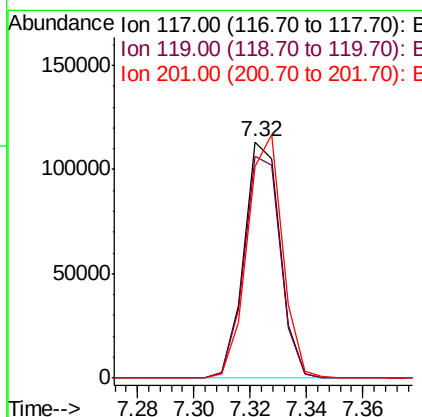
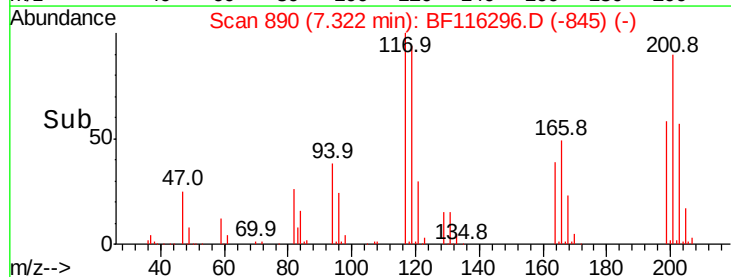
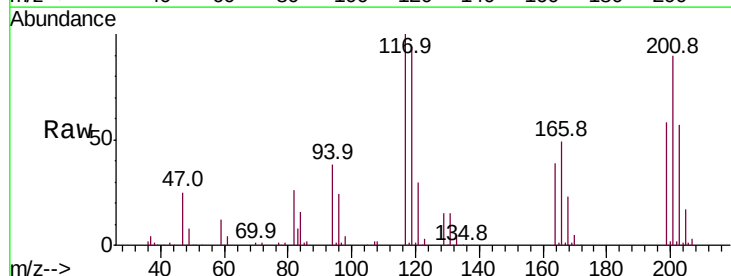
Manual Integrations
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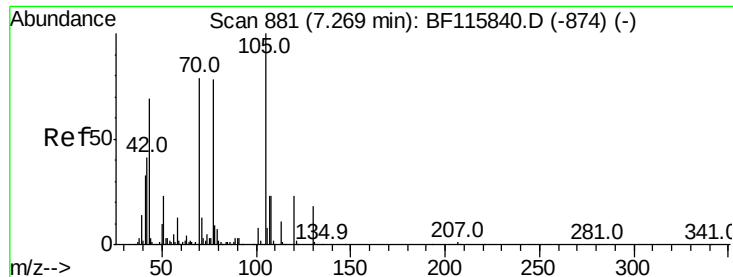
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#18
Hexachloroethane
Concen: 41.056 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100017		
119	94.2	76.1	114.1	
201	89.9	77.0	115.4	





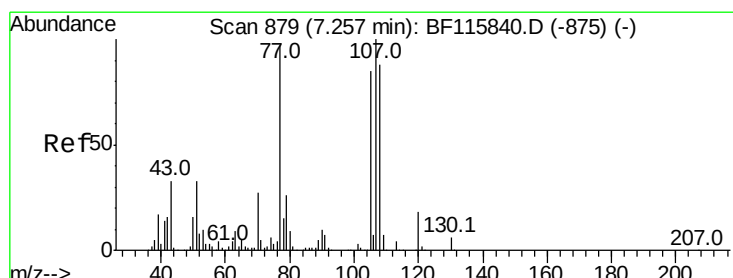
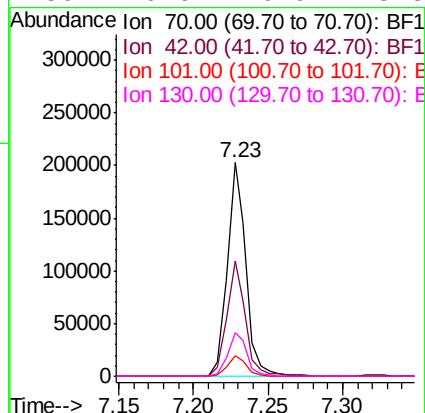
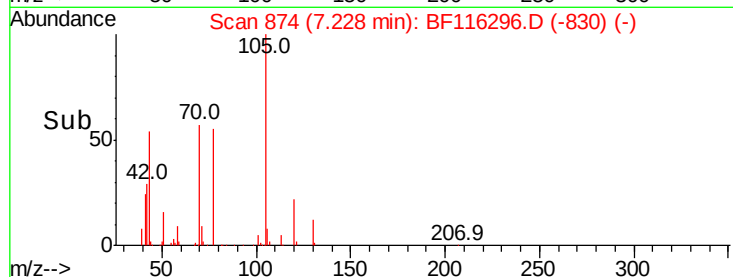
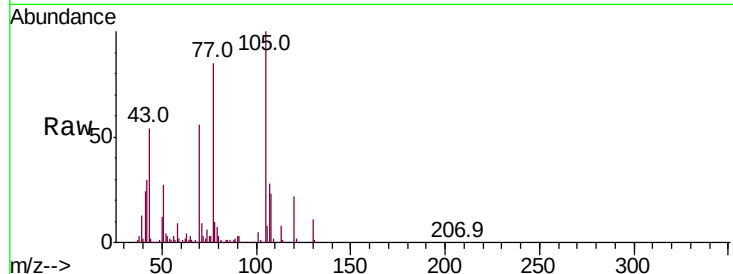
#19
n-Nitroso-di-n-propylamine
Concen: 44.268 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	54.2	40.9	61.3		
101	9.6	7.9	11.9		
130	20.6	16.9	25.3		

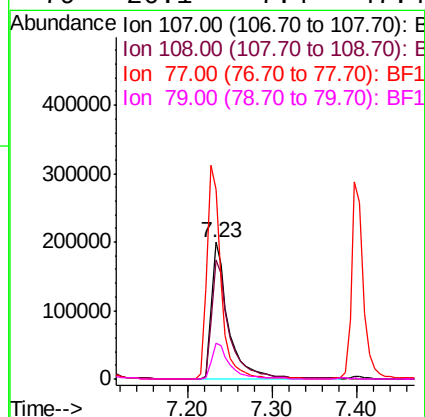
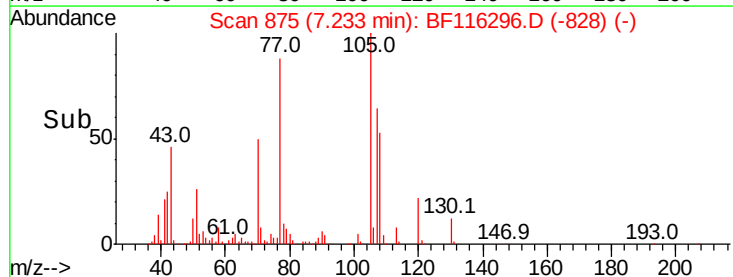
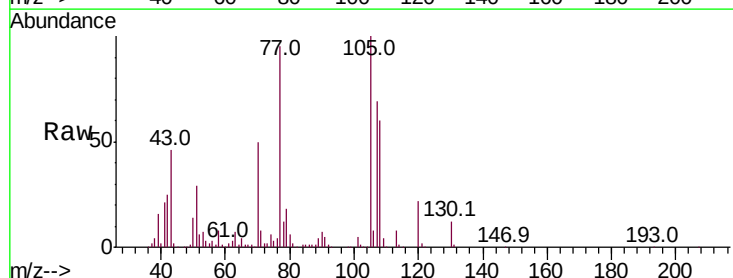
Manual Integrations
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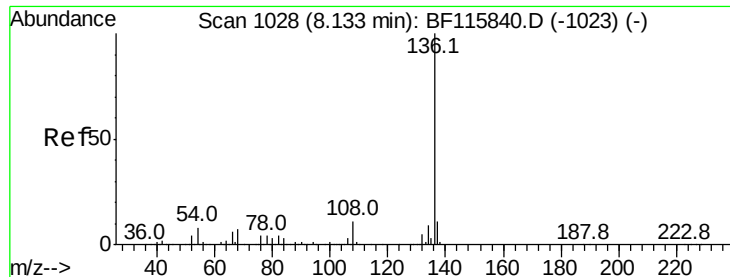
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#20
3+4-Methylphenols
Concen: 48.878 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.02 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	87.5	67.6	107.6		
77	138.8	104.4	144.4		
79	26.1	7.4	47.4		





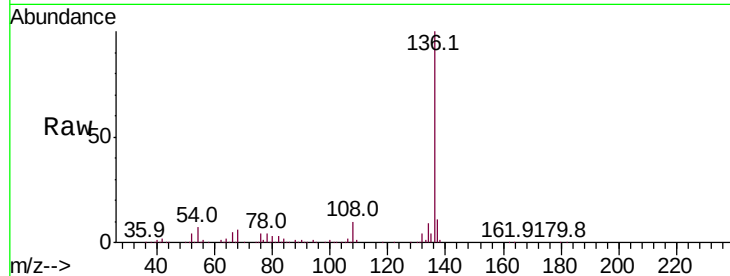
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.0	13.4	
54	7.0	5.8	8.6	
68	6.0	5.2	7.8	

Manual Integrations
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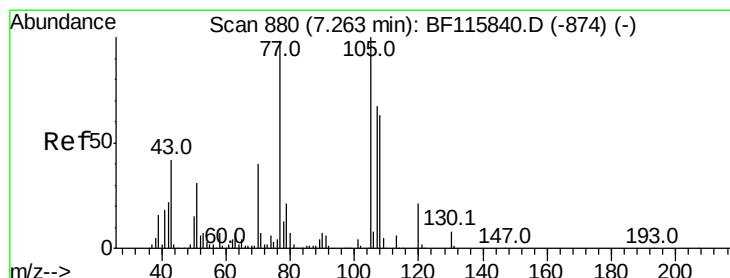
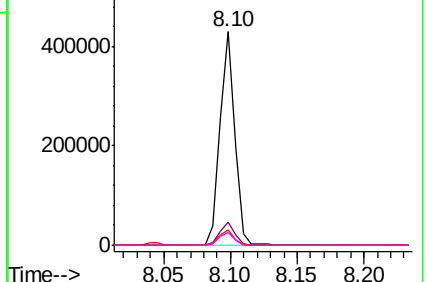
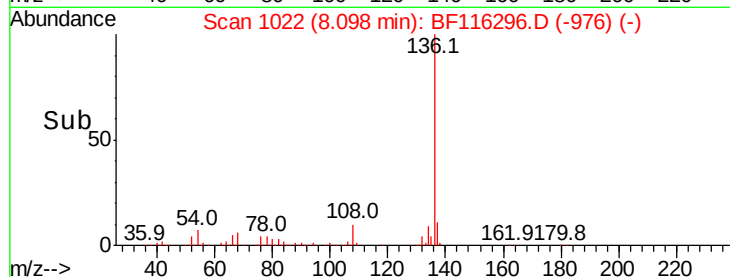
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

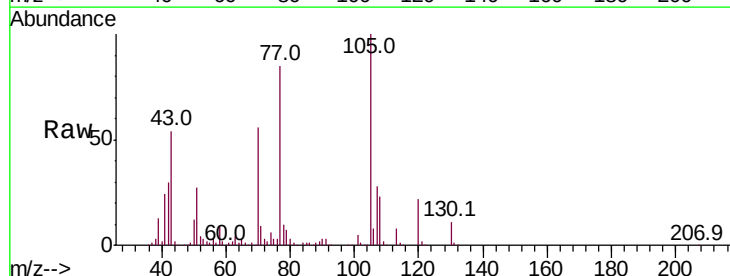
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 48.333 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	9.3	5.9	8.9#	
51	26.7	25.3	37.9	
120	21.8	17.9	26.9	



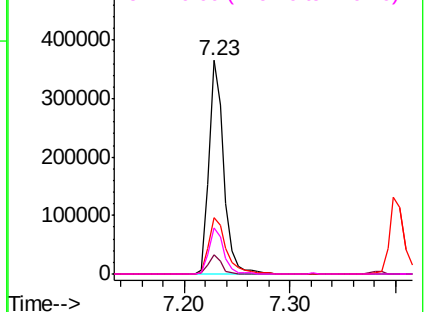
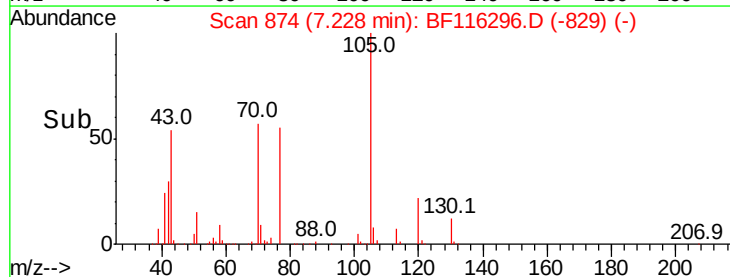
Abundance

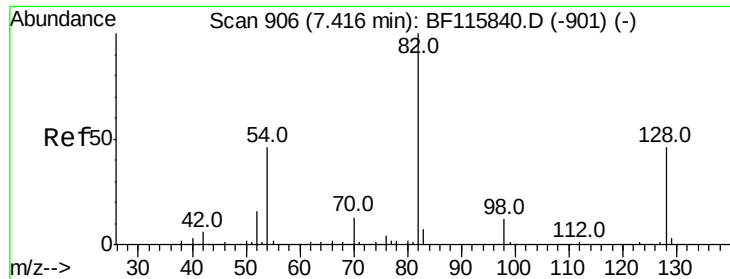
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





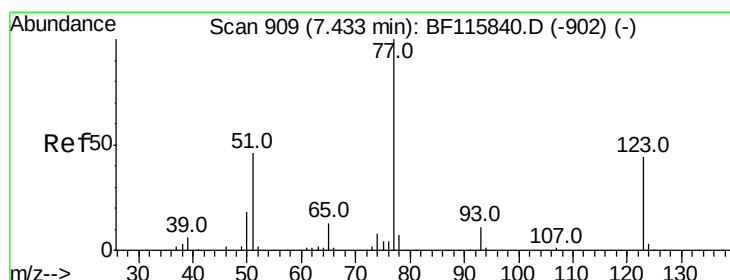
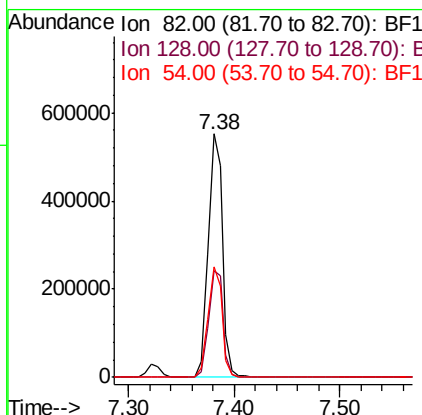
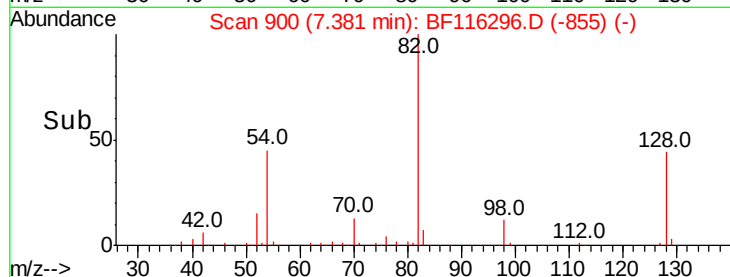
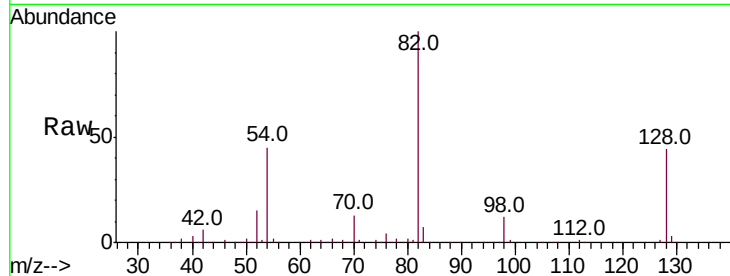
#23
Nitrobenzene-d5
Concen: 89.581 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	523819		
128	44.1	36.5	54.7	
54	45.4	36.0	54.0	

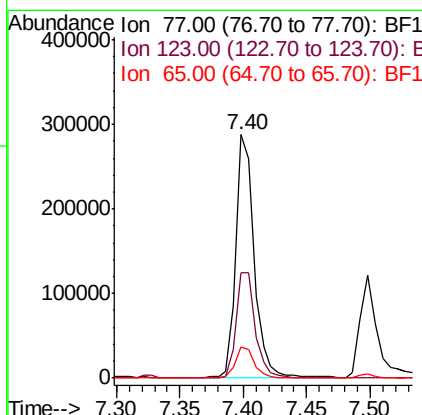
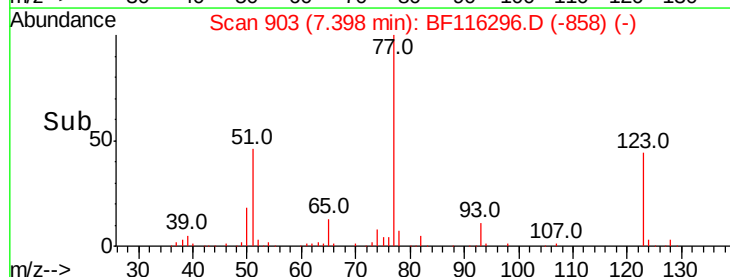
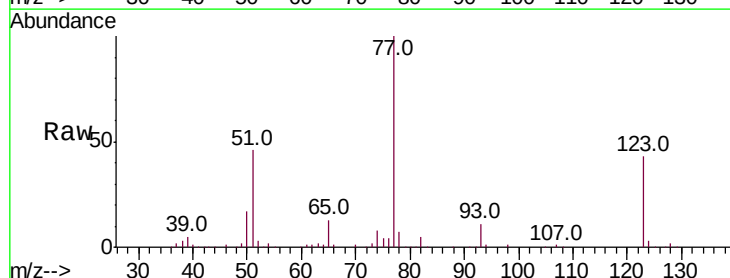
Manual Integrations
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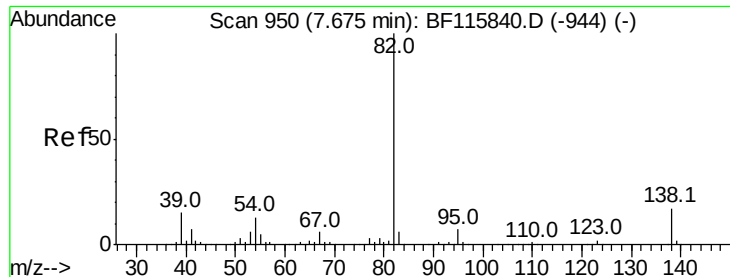
Jagrut
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#24
Nitrobenzene
Concen: 45.285 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	285922		
123	43.5	36.7	55.1	
65	12.9	10.6	16.0	





#25

Isophorone

Concen: 45.607 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.04 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

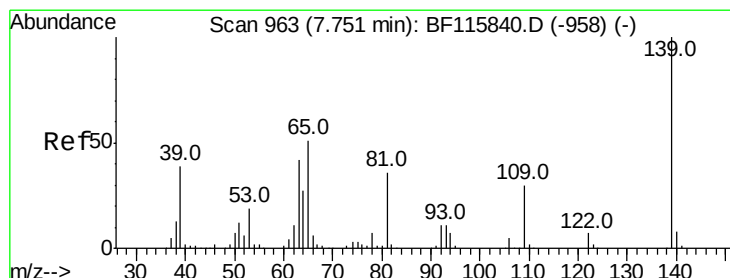
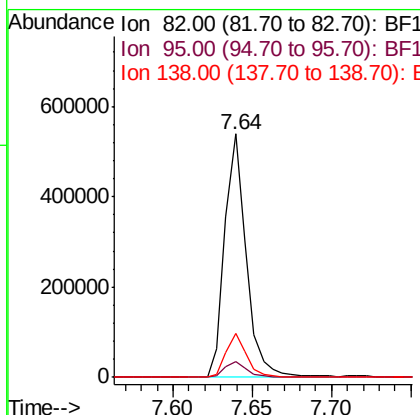
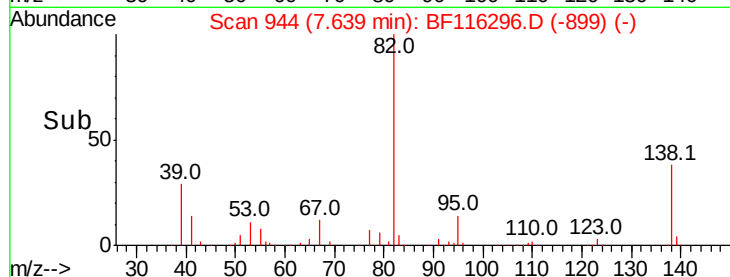
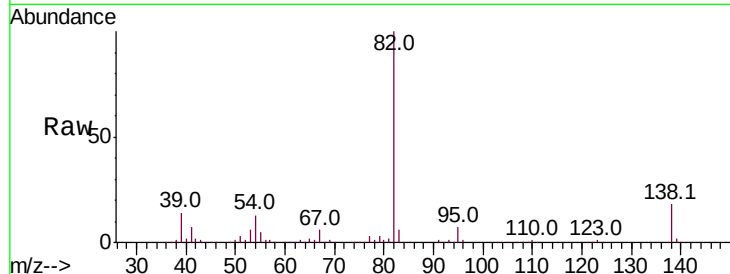
ClientSampleId :

SP-2MSD

Tot Ion:	82	Resp:	509942
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.4	8.0
138	18.2	14.5	21.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 47.325 ng

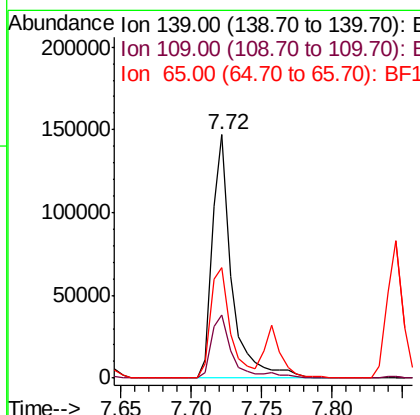
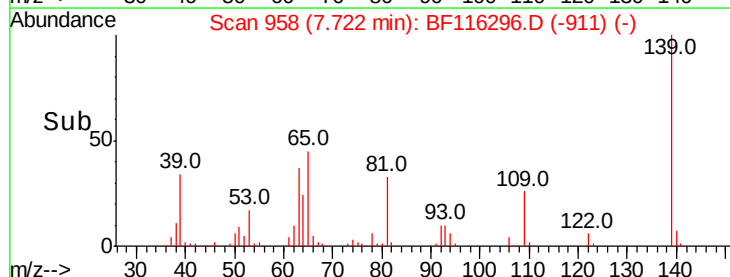
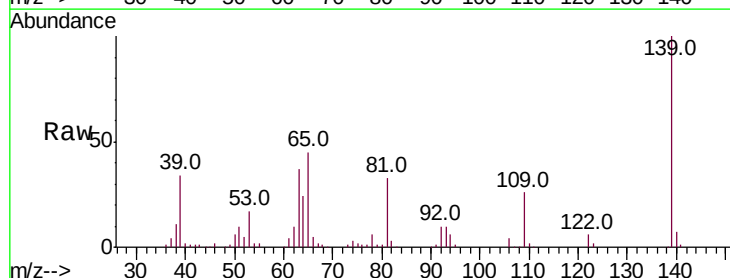
RT: 7.72 min Scan# 958

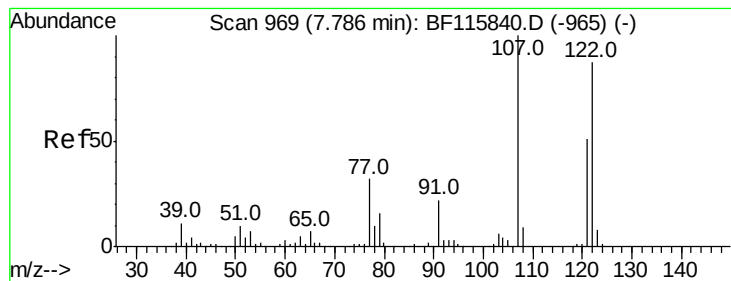
Delta R.T. -0.02 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	139	Resp:	140850
Ion Ratio	Lower	Upper	
139	100		
109	26.2	23.4	35.2
65	45.4	41.1	61.7





#27

2,4-Dimethylphenol

Concen: 51.570 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

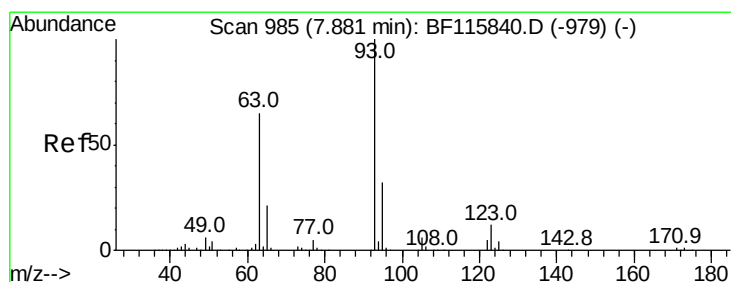
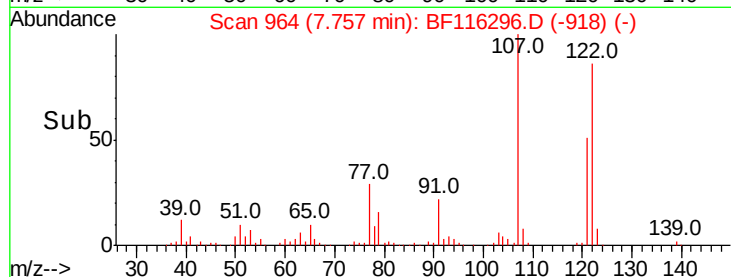
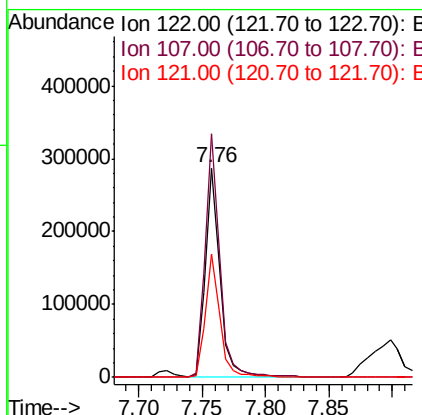
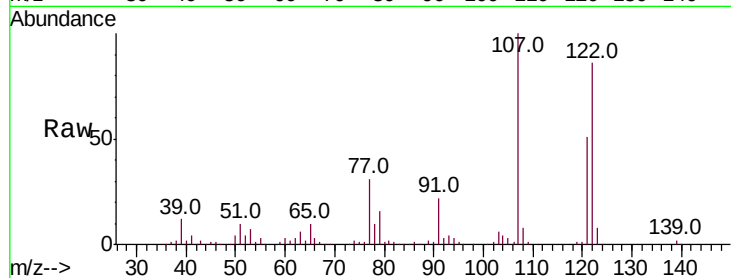
ClientSampleId :

SP-2MSD

Tot Ion:	122	Resp:	230918
Ion Ratio	Lower	Upper	
122	100		
107	116.1	93.0	139.6
121	59.1	47.6	71.4

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#28

bis(2-Chloroethoxy)methane

Concen: 45.606 ng

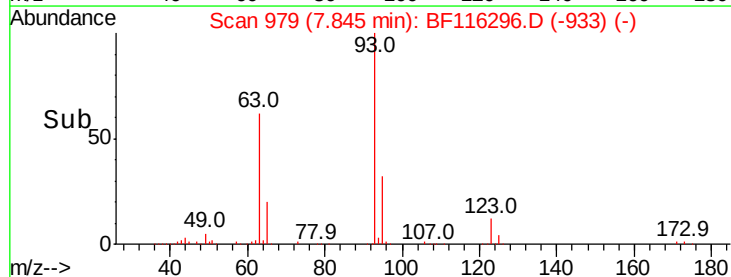
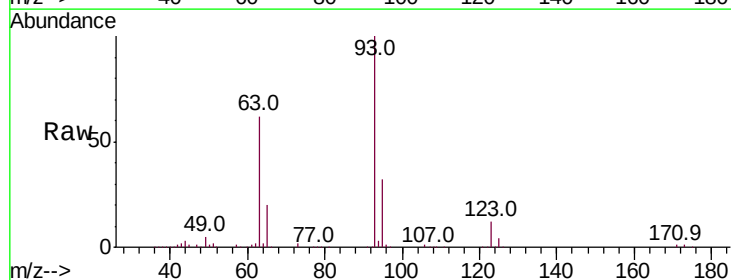
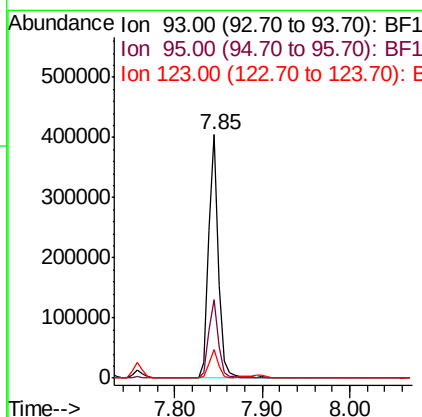
RT: 7.85 min Scan# 979

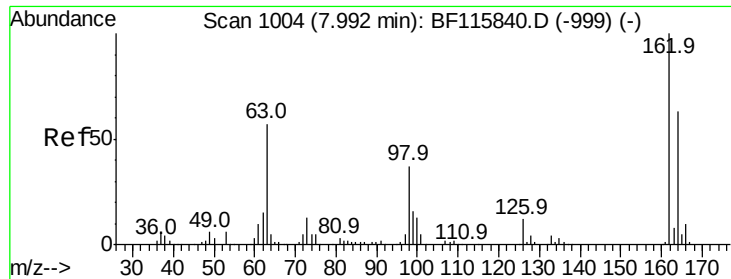
Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	93	Resp:	316062
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.2	39.4
123	11.7	9.2	13.8





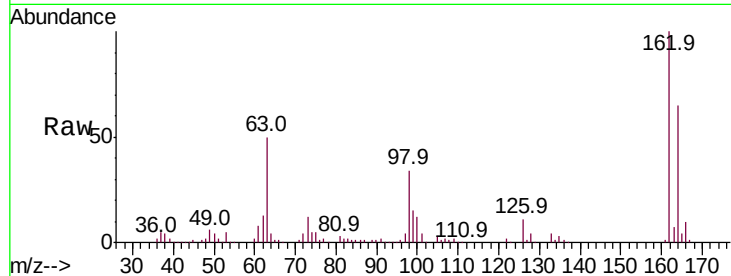
#29
 2,4-Dichlorophenol
 Concen: 48.435 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :
 SP-2MSD

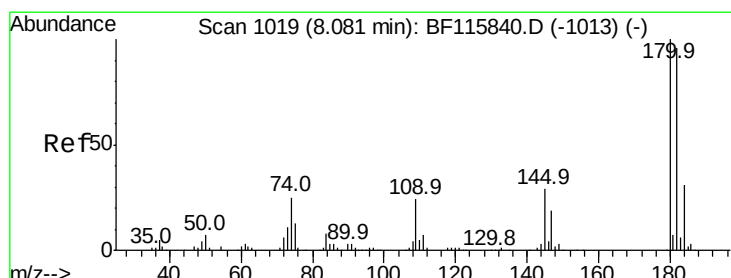
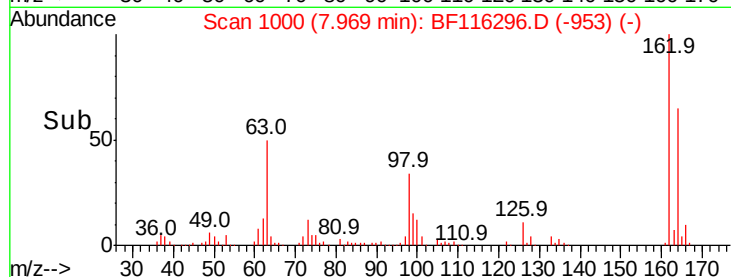
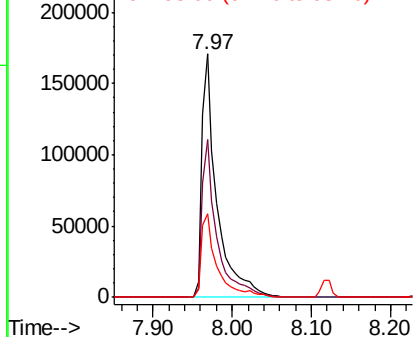
Tot Ion	Ratio	Resp	Lower	Upper
162	100	228994		
164	64.8	45.1	85.1	
98	34.2	15.8	55.8	

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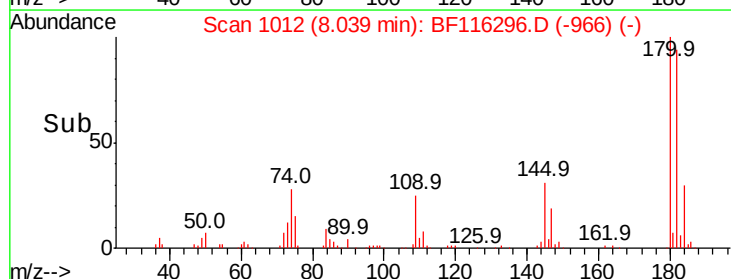
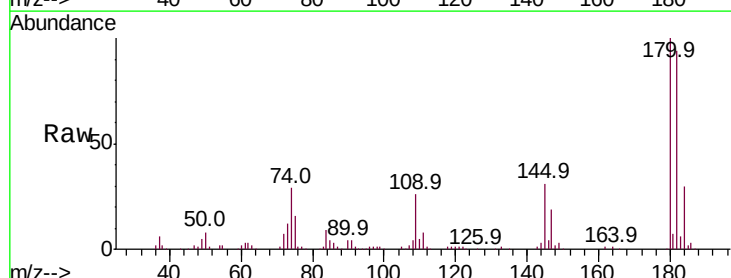
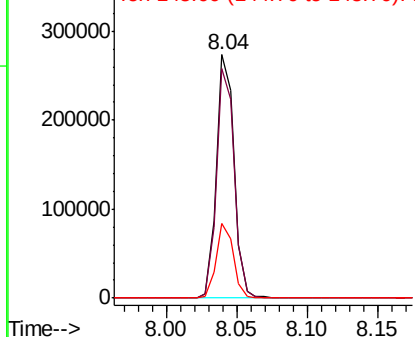
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

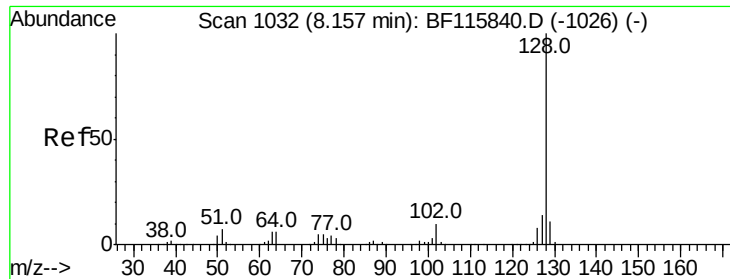


#30
 1,2,4-Trichlorobenzene
 Concen: 44.134 ng
 RT: 8.04 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	237853		
182	94.2	75.7	113.5	
145	30.7	24.3	36.5	

Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





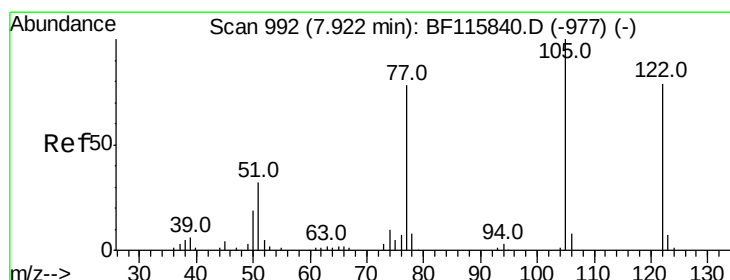
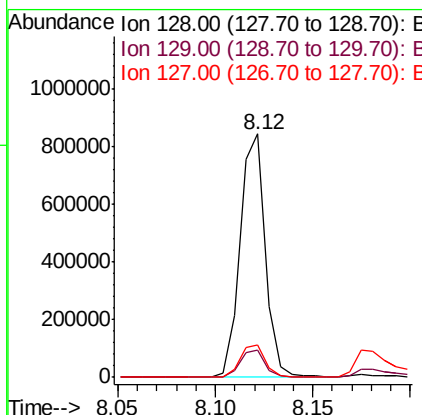
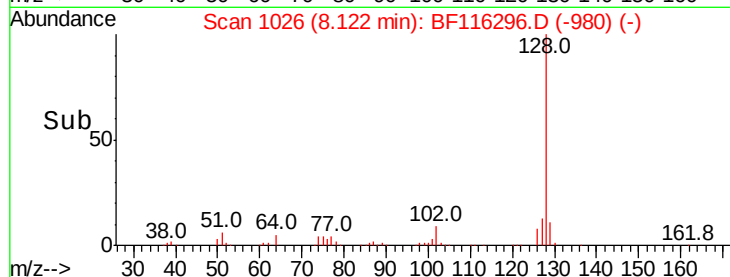
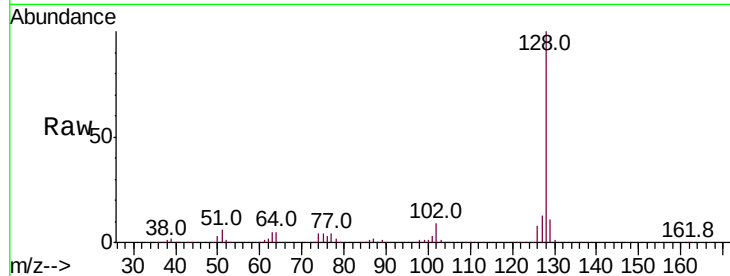
#31
Naphthalene
Concen: 47.491 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	754334		
129	11.0		9.3	13.9
127	13.3		11.4	17.0

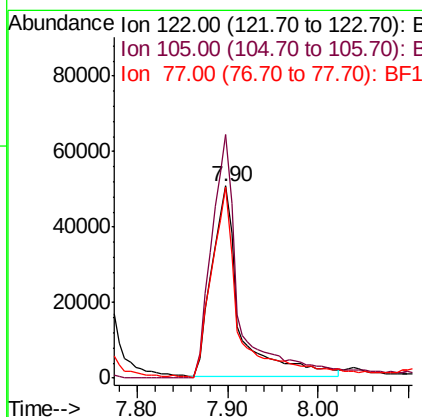
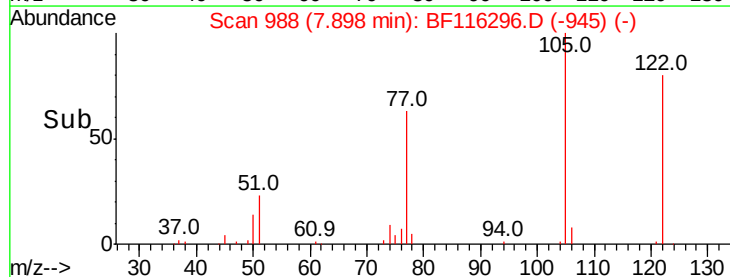
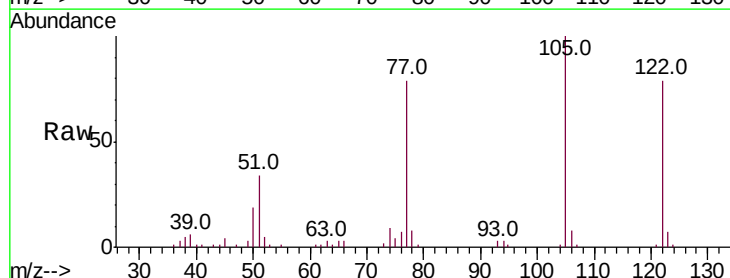
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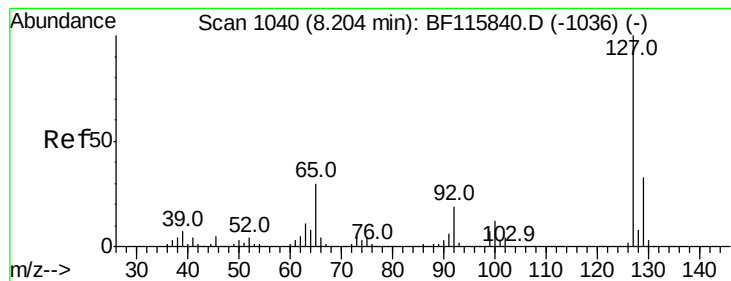
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#32
Benzoic acid
Concen: 33.907 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.05 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	107042		
105	126.8		106.1	146.1
77	99.8		76.7	116.7





#33

4-Chloroaniline

Concen: 19.208 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

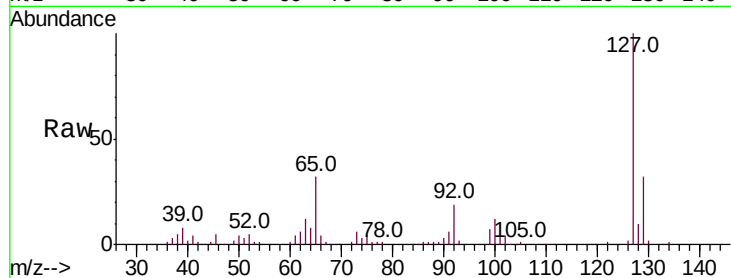
ClientSampled :

SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	136314		
129	32.0		26.1	39.1
65	32.0		24.9	37.3
92	19.1		15.7	23.5

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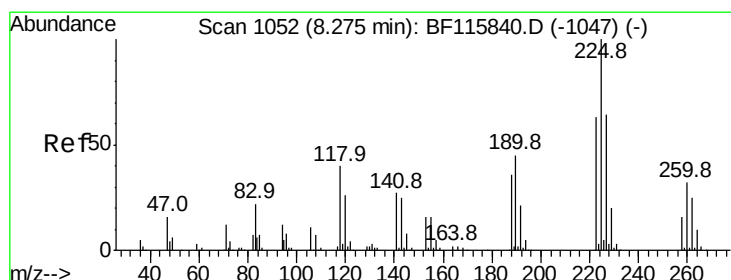
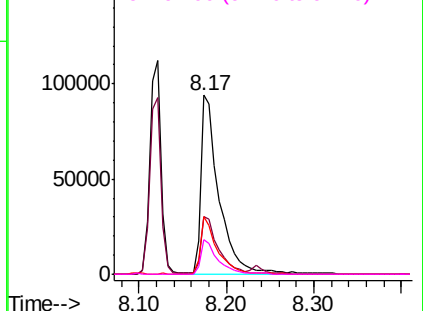
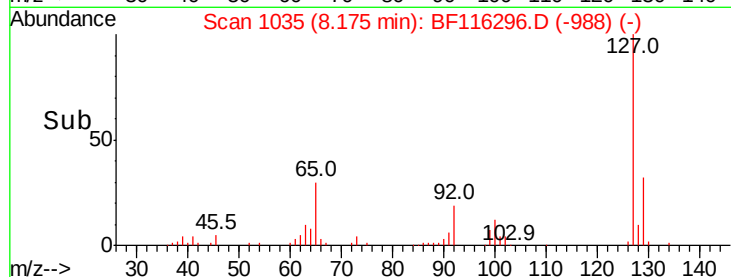
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 42.777 ng

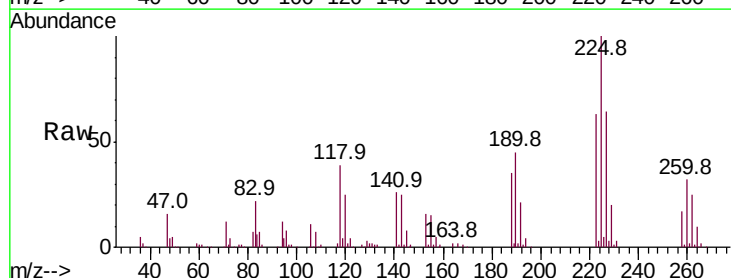
RT: 8.23 min Scan# 1045

Delta R.T. -0.04 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132789		
223	63.3		50.0	75.0
227	63.6		51.0	76.4

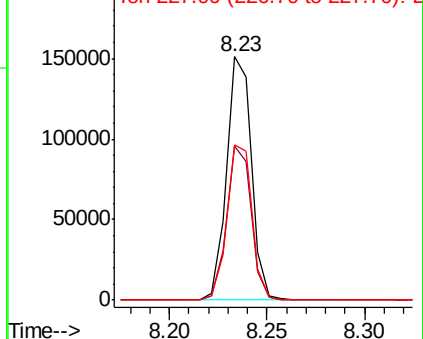
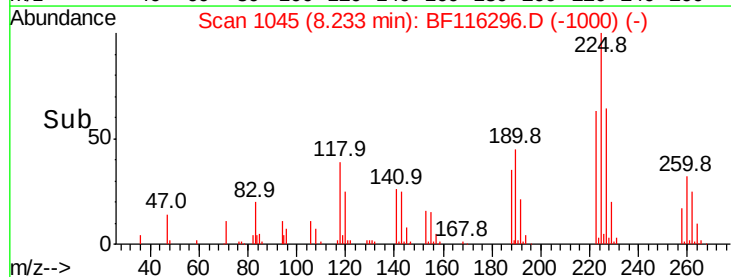


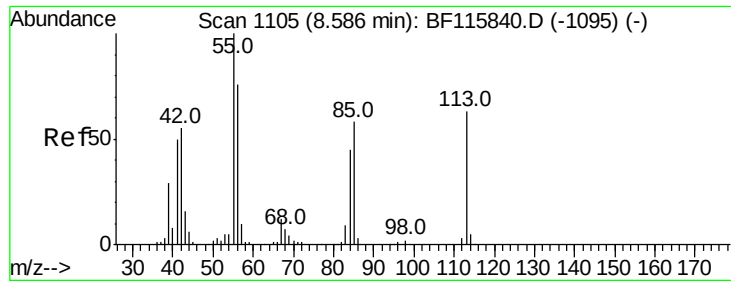
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 48.445 ng/mL

RT: 8.54 min Scan# 1097

Delta R.T. -0.05 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

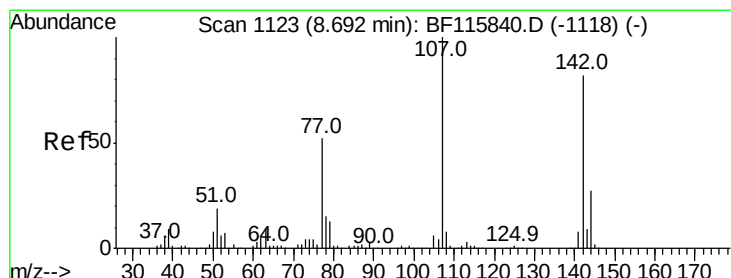
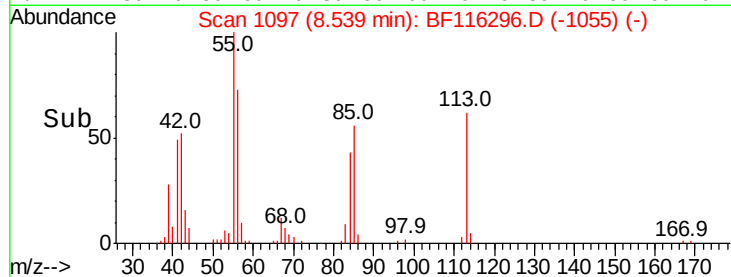
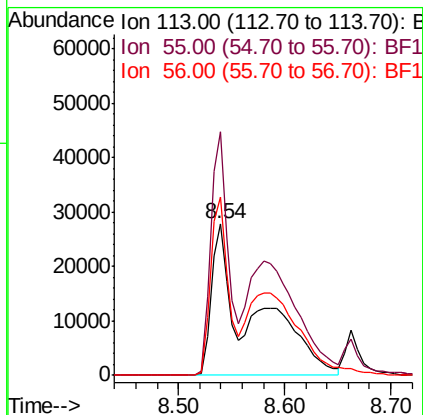
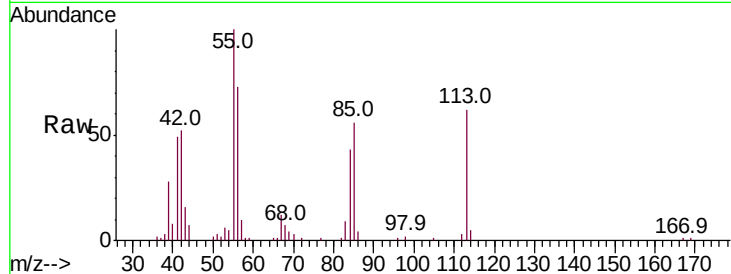
ClientSampled :

SP-2MSD

Tot Ion:	113	Resp:	74078
Ion	Ratio	Lower	Upper
113	100		
55	160.4	144.3	184.3
56	117.6	97.1	137.1

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#36

4-Chloro-3-methylphenol

Concen: 48.532 ng/mL

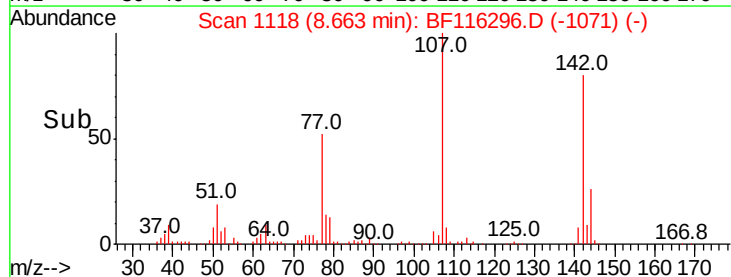
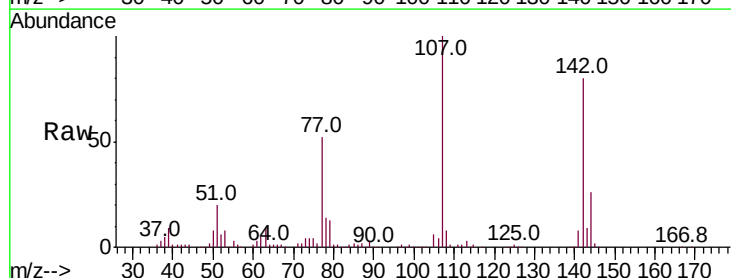
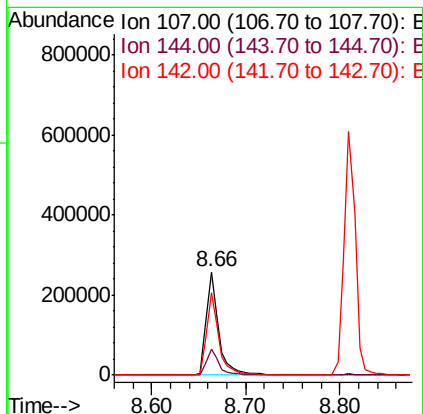
RT: 8.66 min Scan# 1118

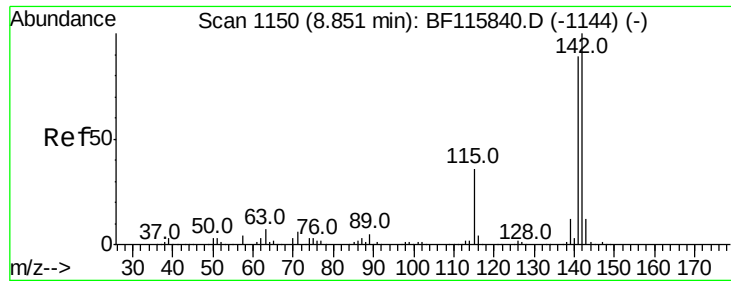
Delta R.T. -0.02 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	107	Resp:	238704
Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.2	30.2
142	79.7	61.7	92.5





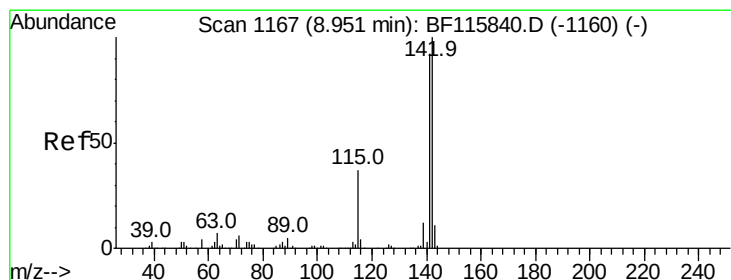
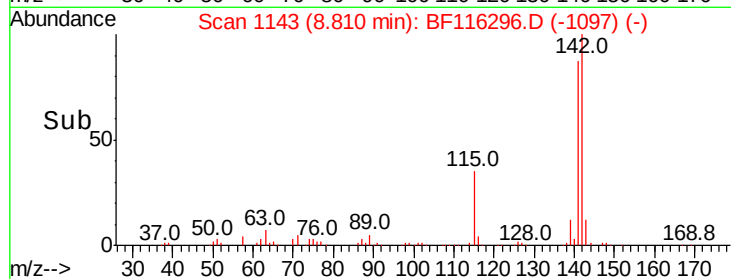
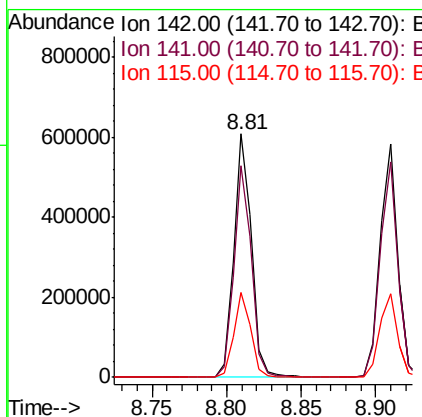
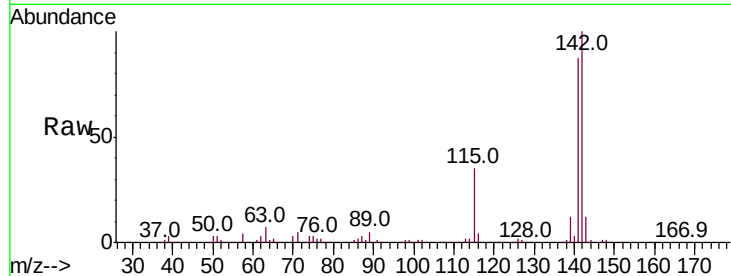
#37
2-Methylnaphthalene
Concen: 48.253 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.9	106.3
115	34.7	29.0	43.6

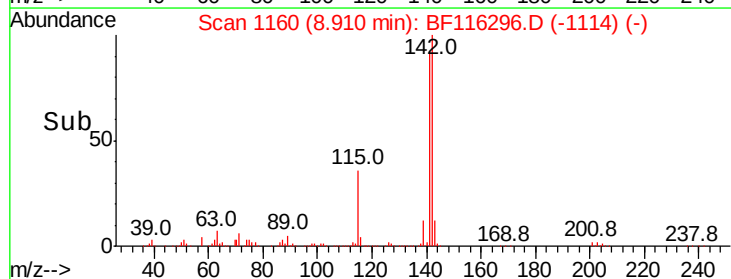
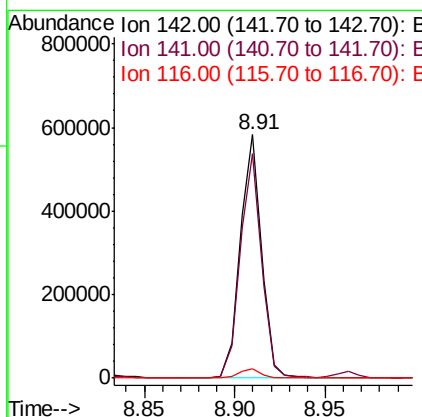
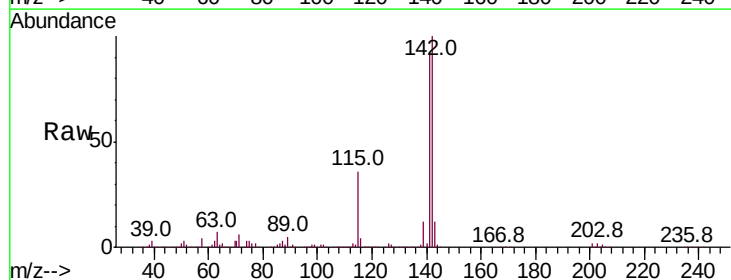
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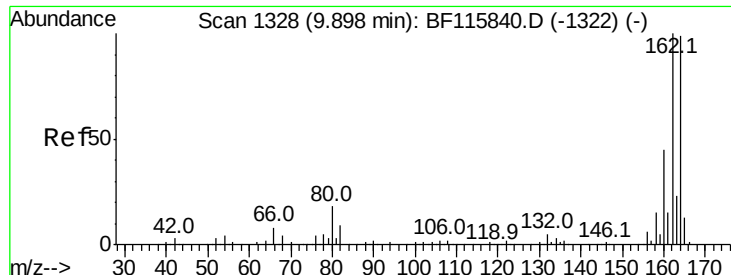
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#38
1-Methylnaphthalene
Concen: 47.562 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.4	111.6
116	3.7	3.1	4.7





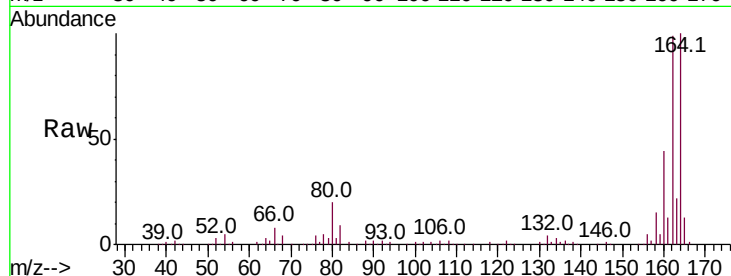
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	186937		
162	99.5	82.6	124.0	
160	44.2	37.6	56.4	

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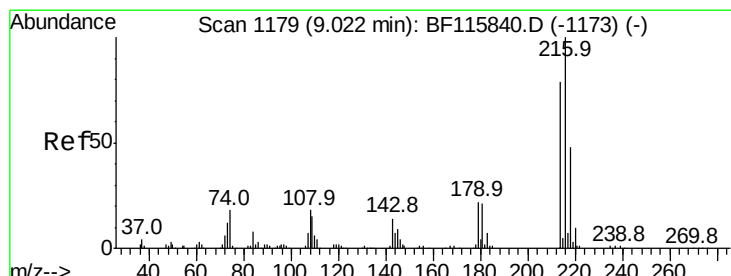
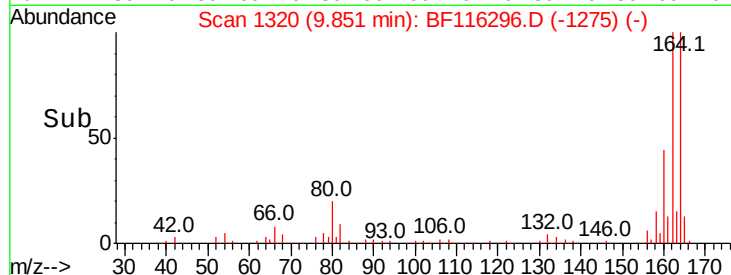
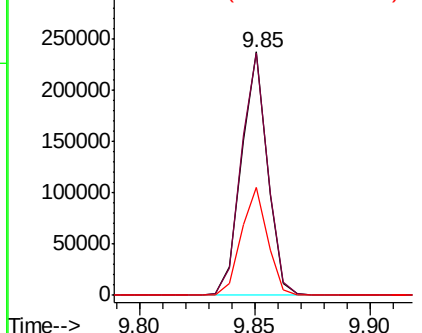


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.733 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	228556		
214	79.5	63.6	95.4	
179	21.7	17.8	26.8	
108	20.4	16.5	24.7	

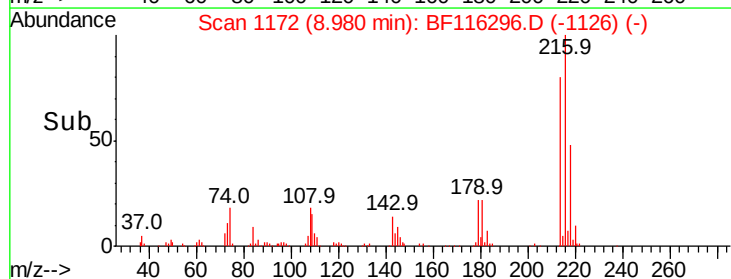
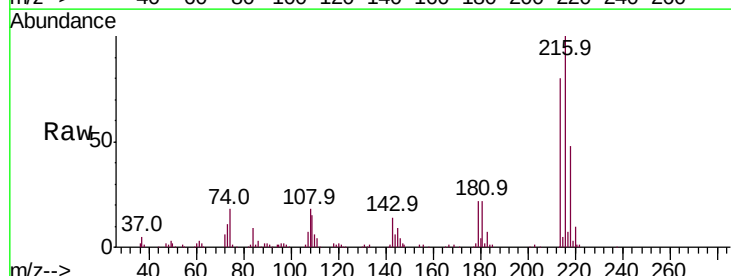
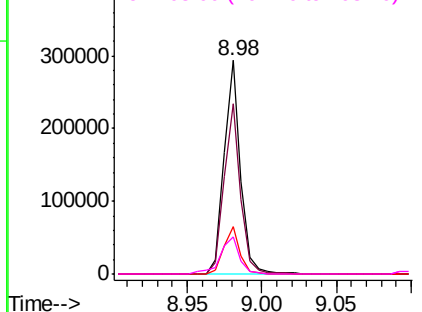
Abundance

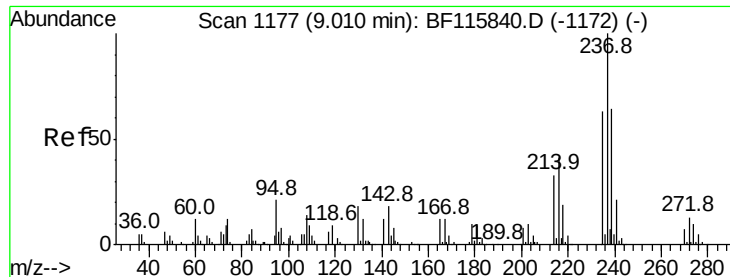
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





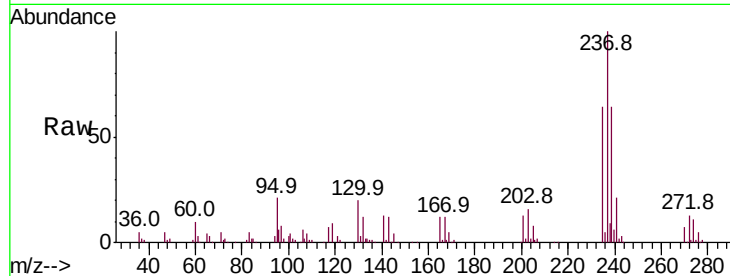
#41
Hexachlorocyclopentadiene
Concen: 43.088 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

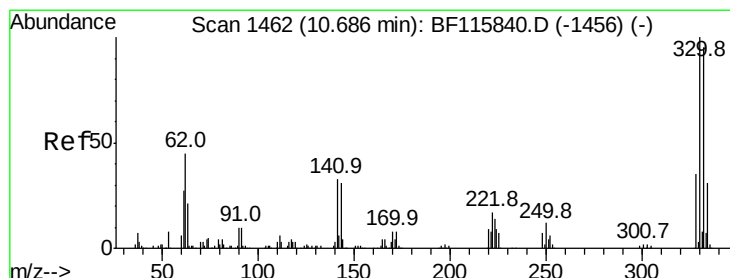
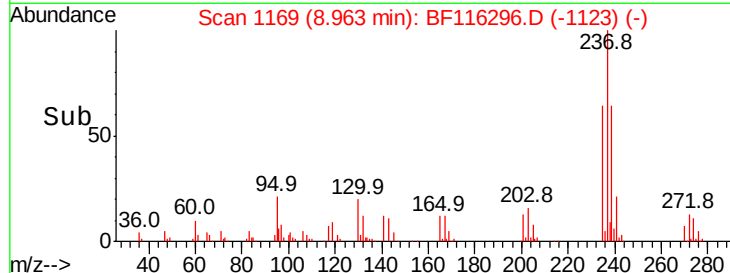
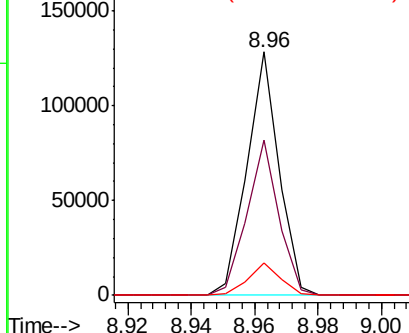
Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.6	43.4	83.4	
272	13.1	0.0	33.2	

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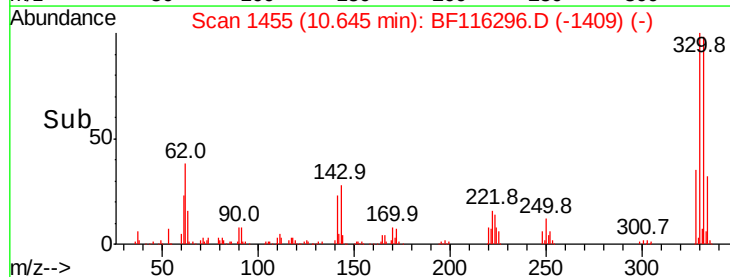
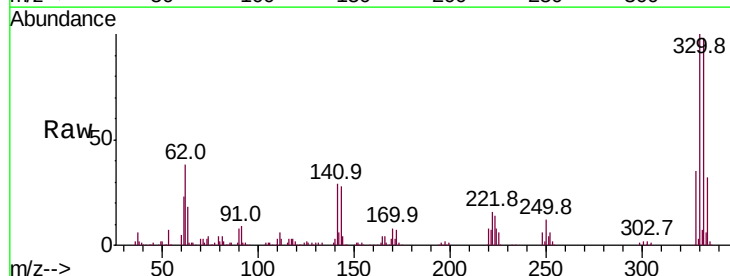
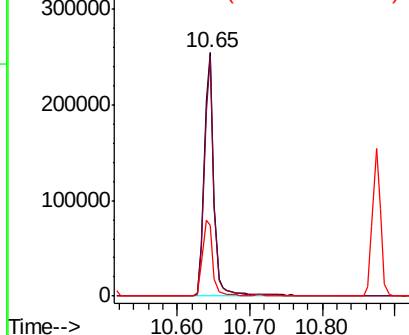
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

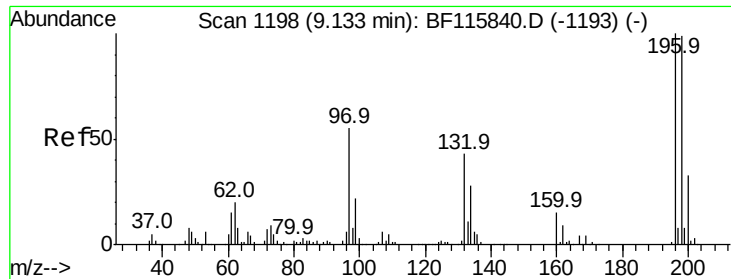


#42
2,4,6-Tribromophenol
Concen: 132.259 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.8	115.2	
141	33.0	26.3	39.5	

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





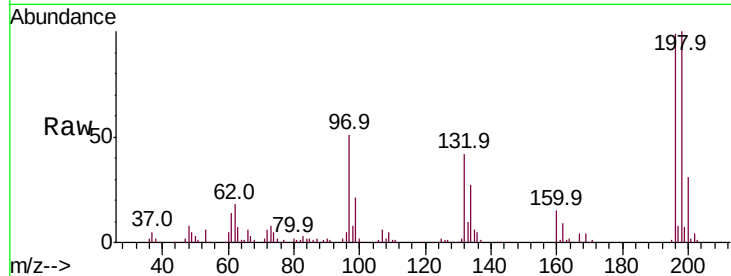
#43
 2,4,6-Trichlorophenol
 Concen: 41.927 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.02 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :
 SP-2MSD

Tot Ion:	196	Resp:	144226
Ion Ratio	Lower	Upper	
196	100		
198	100.9	79.2	118.8
200	31.7	25.2	37.8

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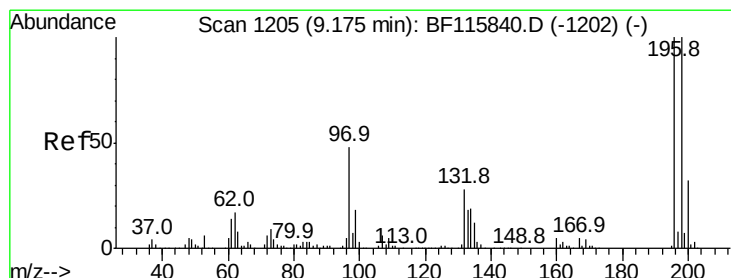
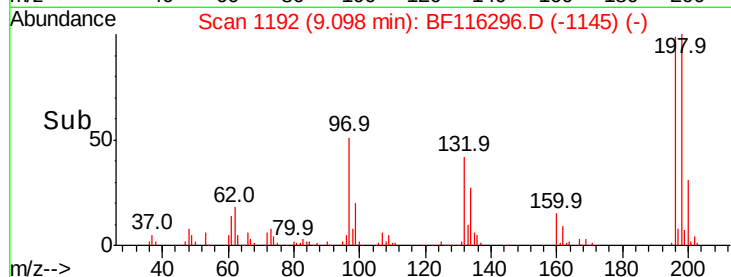
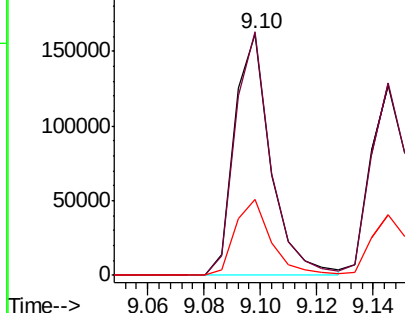


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 42.973 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion:	196	Resp:	152805
Ion Ratio	Lower	Upper	
196	100		
198	100.9	78.8	118.2
97	49.5	42.2	63.4
132	28.9	24.0	36.0

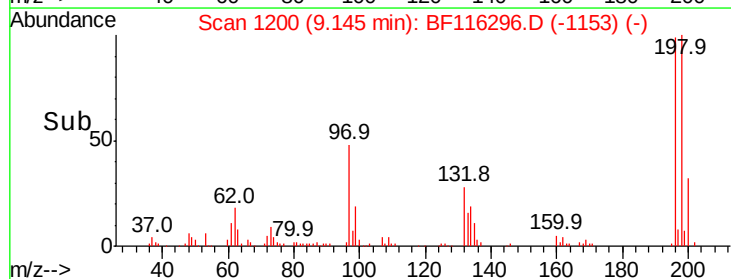
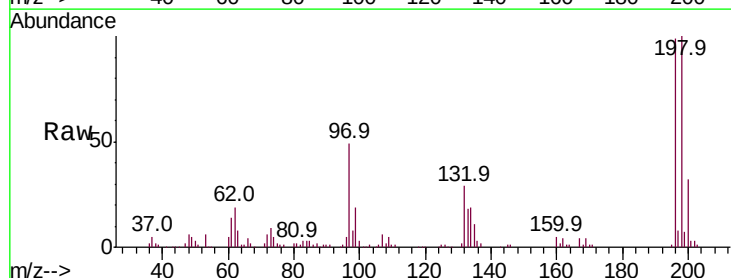
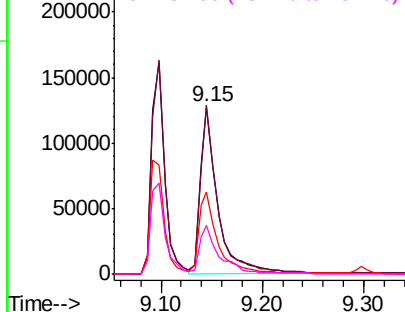
Abundance

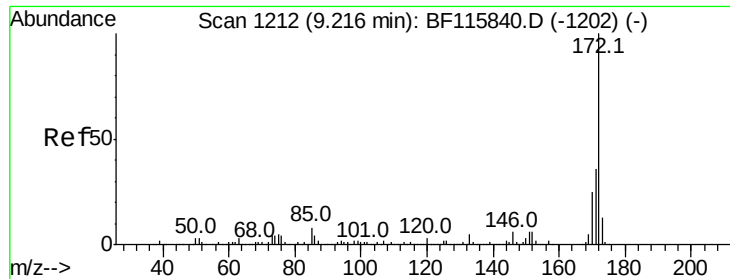
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





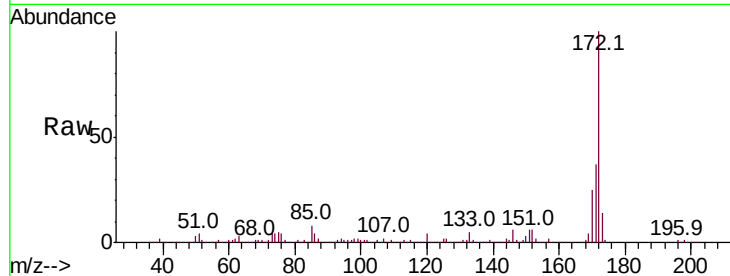
#45
2-Fluorobiphenyl
Concen: 95.429 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

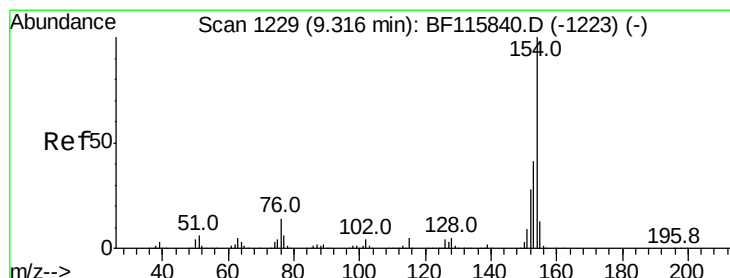
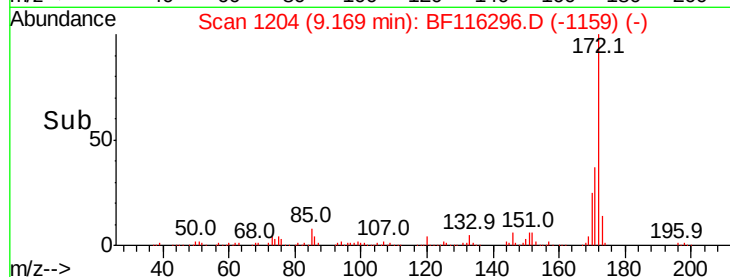
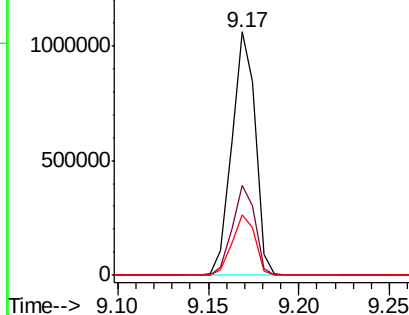
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.0	29.6	44.4	
170	24.9	20.1	30.1	

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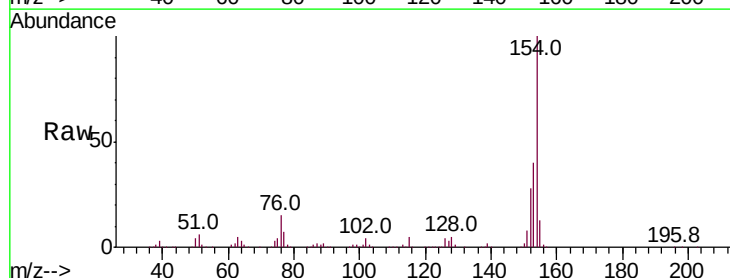


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

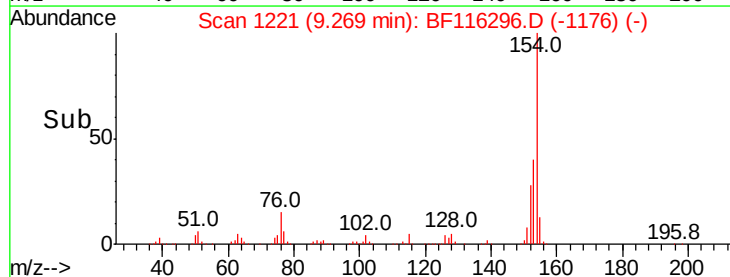
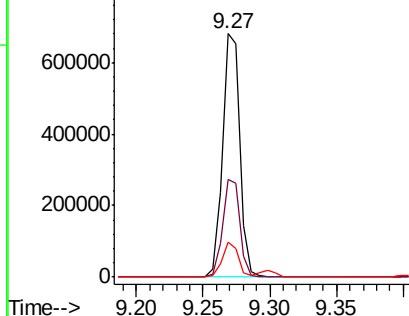


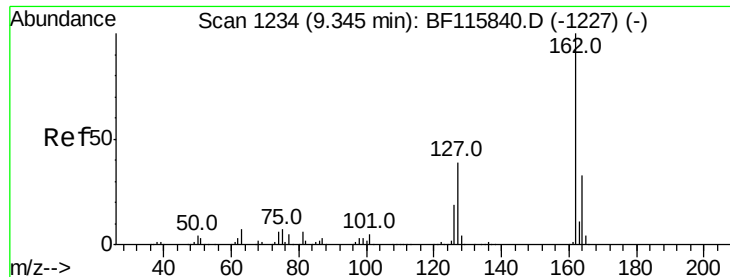
#46
1,1'-Biphenyl
Concen: 47.212 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.2	21.4	61.4	
76	14.6	0.0	35.2	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





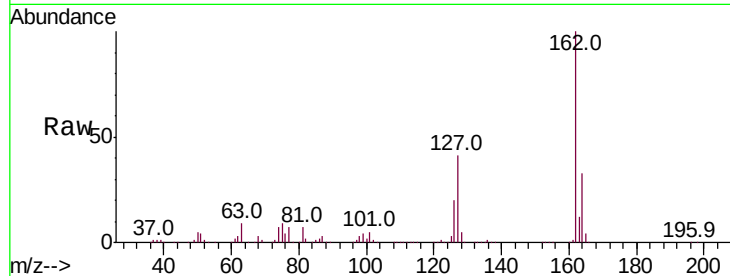
#47
 2-Chloronaphthalene
 Concen: 43.905 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-2MSD

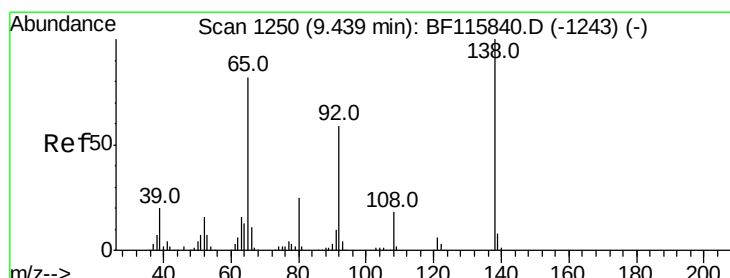
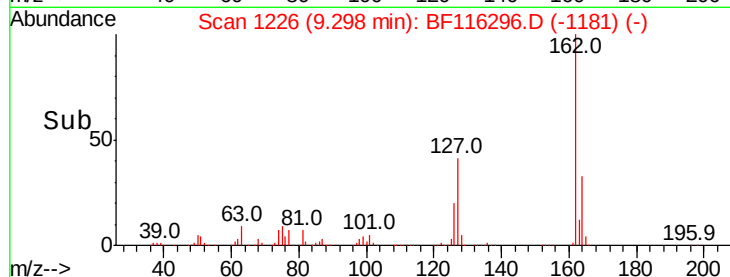
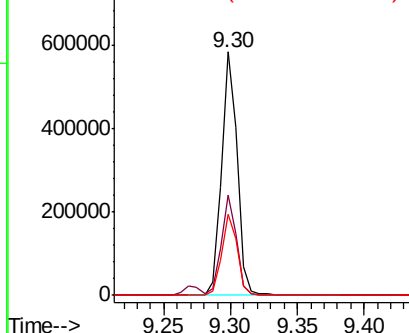
Tot Ion	Ratio	Resp	Lower	Upper
162	100	482268		
127	40.9		32.8	49.2
164	33.2		26.6	39.8

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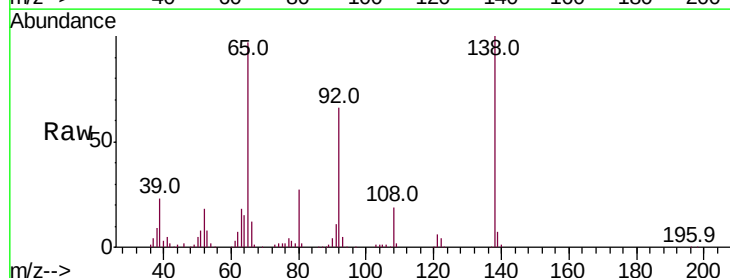


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

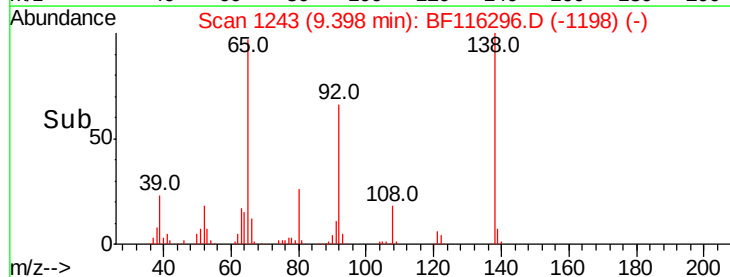
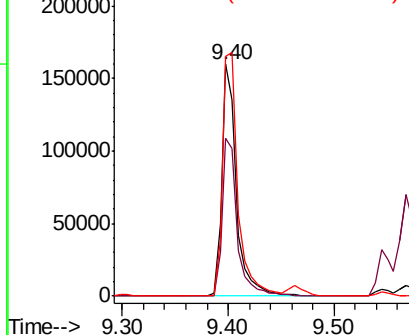


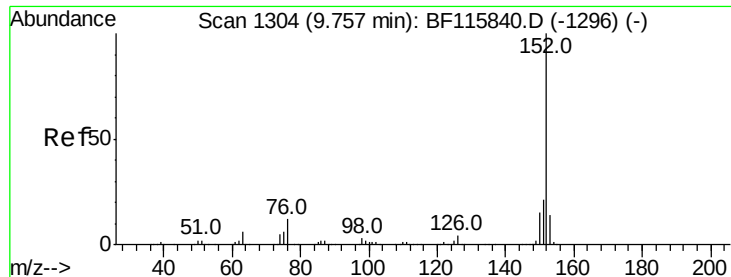
#48
 2-Nitroaniline
 Concen: 42.942 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	155912		
92	67.9		57.8	86.8
138	103.2		94.0	141.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





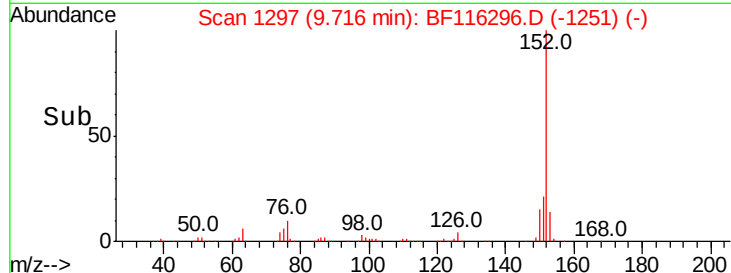
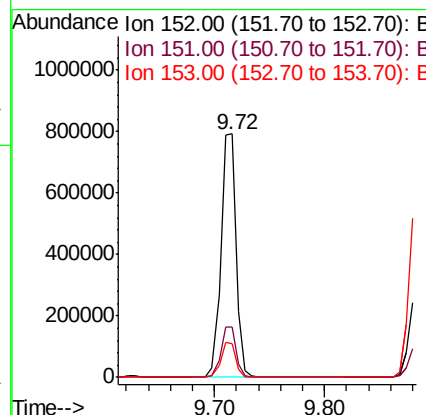
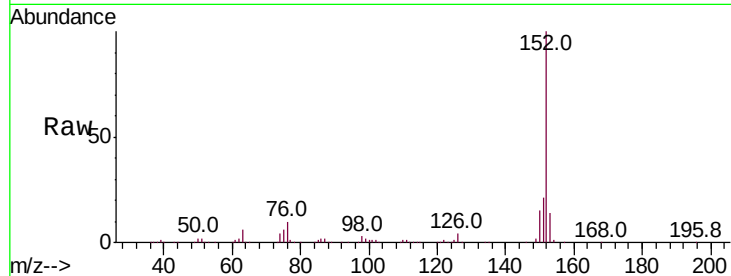
#49
Acenaphthylene
Concen: 46.950 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8
153	13.7	11.8	17.8

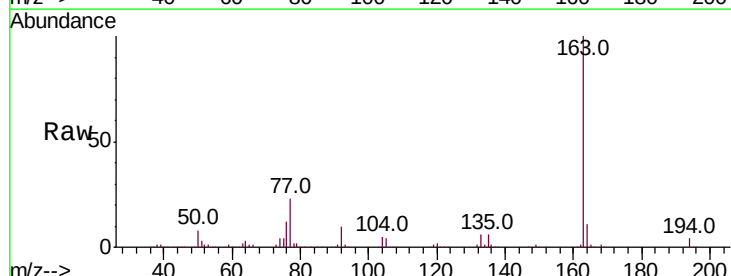
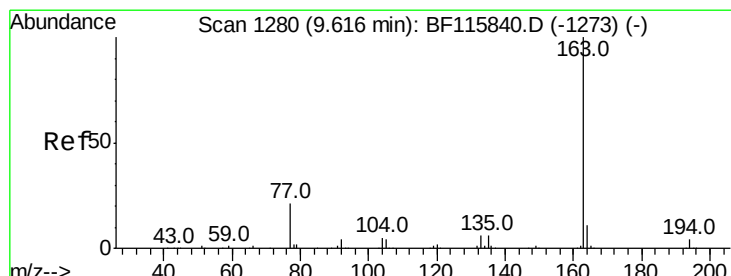
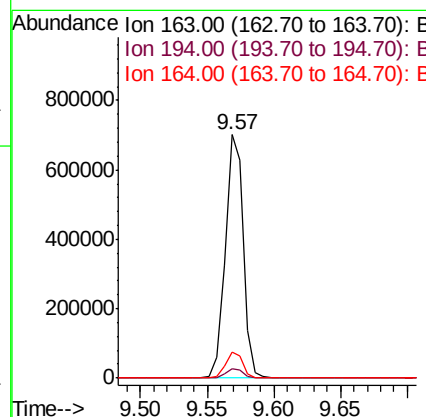
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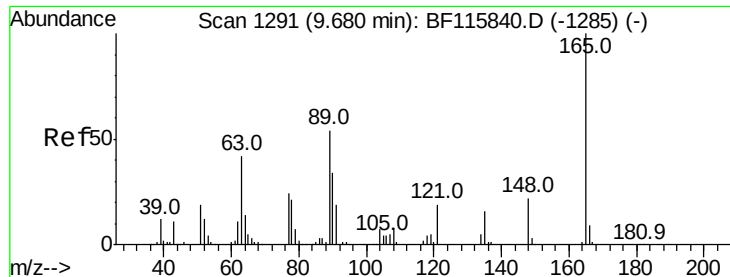
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#50
Dimethylphthalate
Concen: 52.369 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.5	8.4	12.6





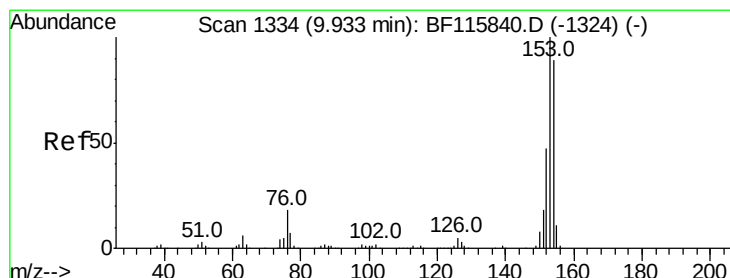
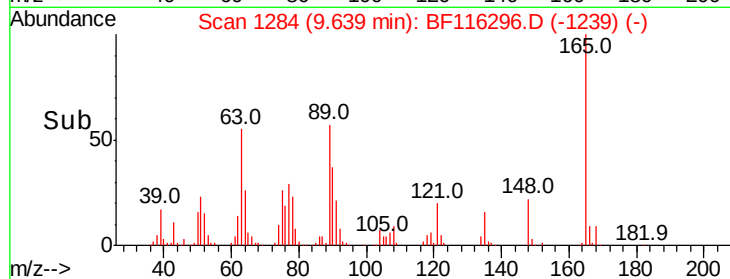
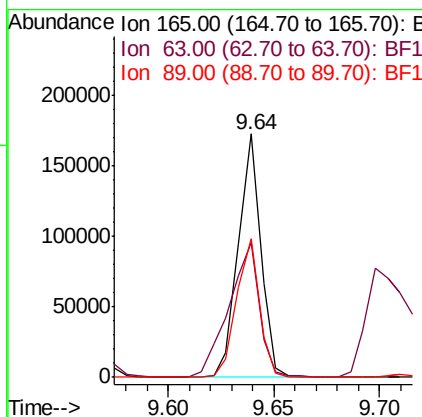
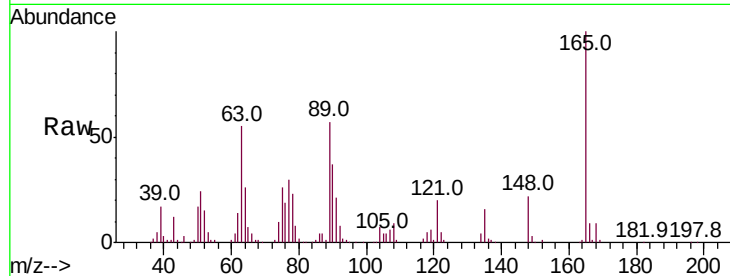
#51
 2,6-Dinitrotoluene
 Concen: 46.063 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :
 SP-2MSD

Tot Ion:	165	Resp:	127413
Ion Ratio	Lower	Upper	
165	100		
63	55.4	38.2	57.2
89	57.0	42.9	64.3

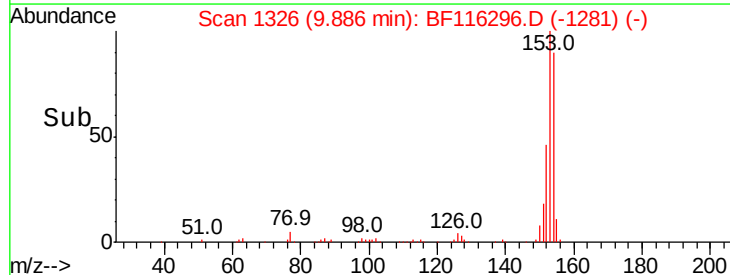
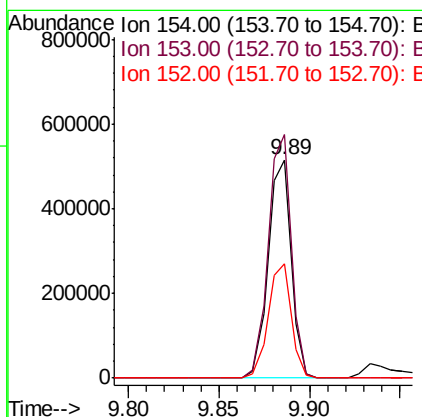
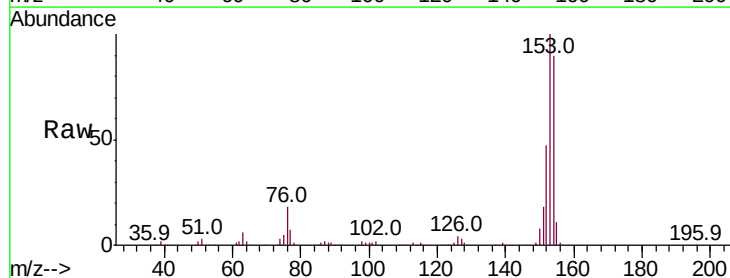
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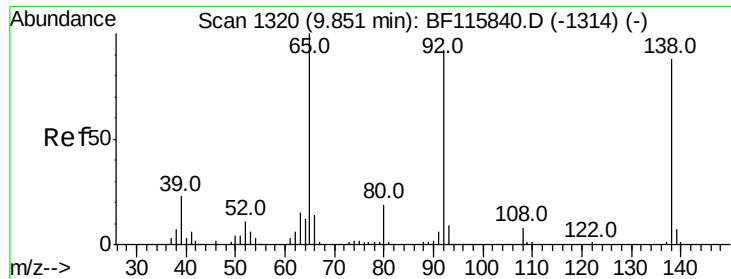
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#52
 Acenaphthene
 Concen: 46.460 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion:	154	Resp:	456757
Ion Ratio	Lower	Upper	
154	100		
153	111.5	89.4	134.0
152	52.2	42.3	63.5





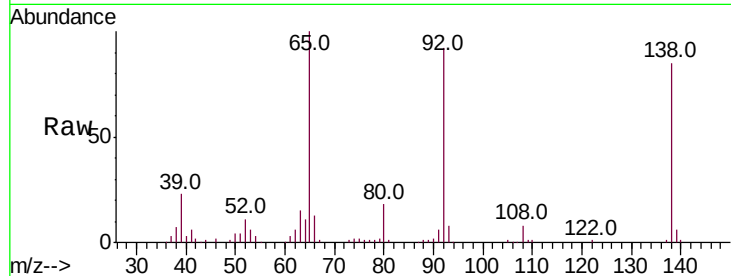
#53
3-Nitroaniline
Concen: 28.526 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

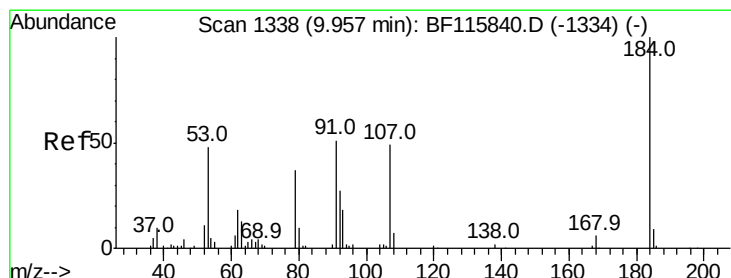
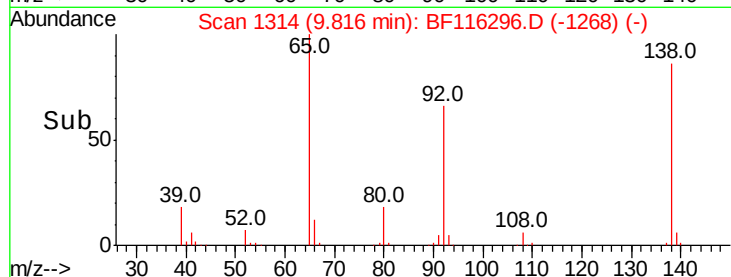
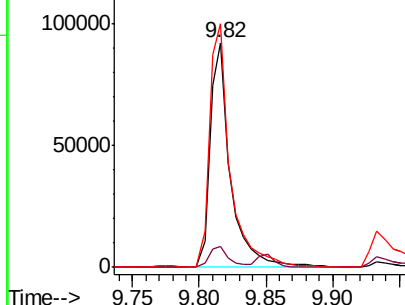
Tot Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.0	12.0
92	108.3	91.0	136.6

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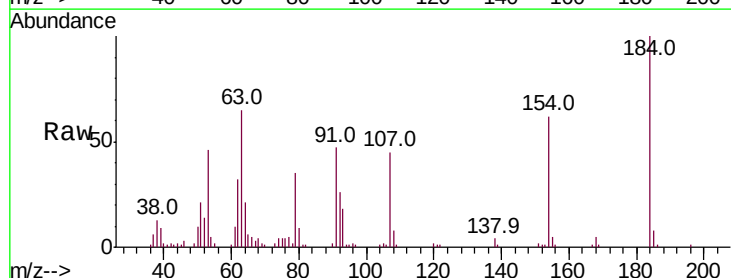


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

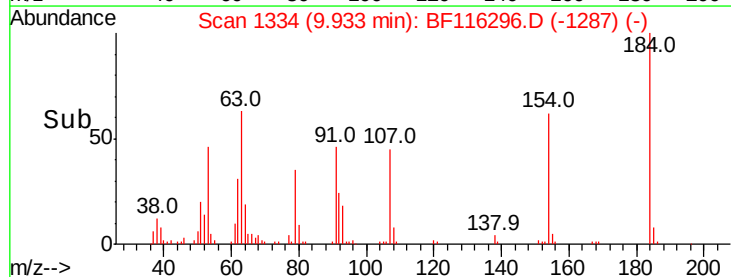
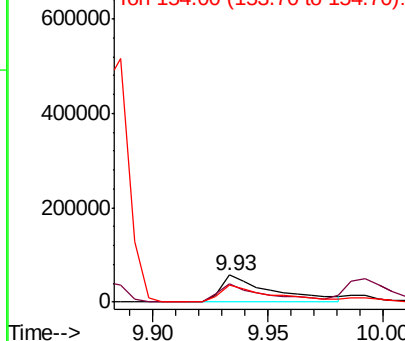


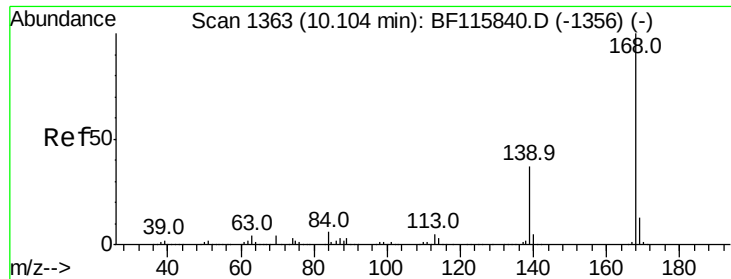
#54
2,4-Dinitrophenol
Concen: 62.503 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	65.5	53.0	79.4
154	62.2	50.1	75.1



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





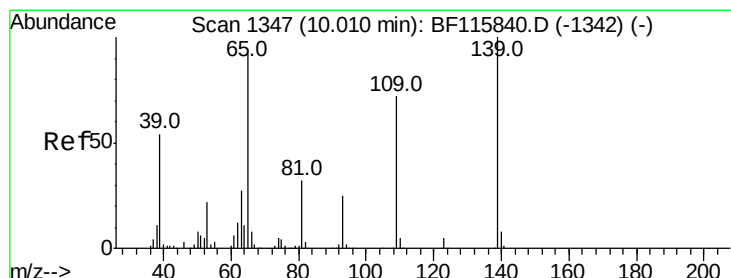
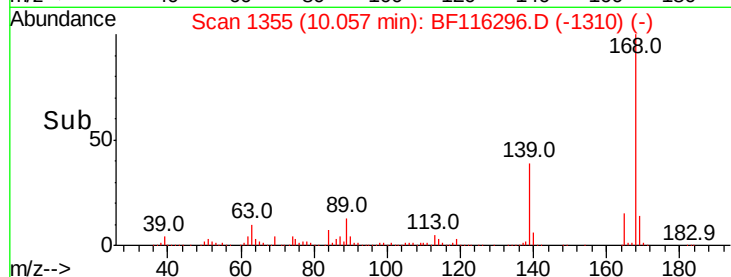
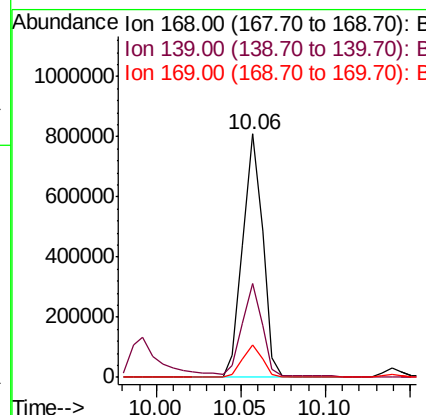
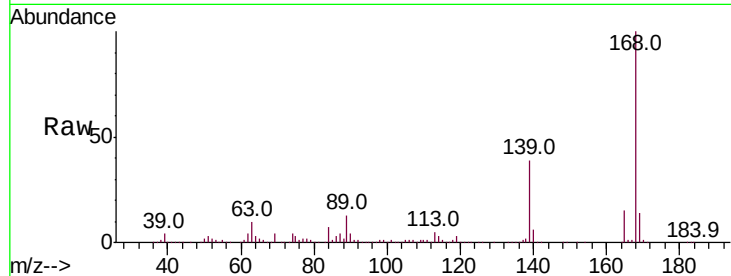
#55
 Dibenzofuran
 Concen: 46.642 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :
 SP-2MSD

Tot Ion:168	Resp:	666852
Ion Ratio	Lower	Upper
168	100	
139	38.8	31.4 47.2
169	13.5	10.9 16.3

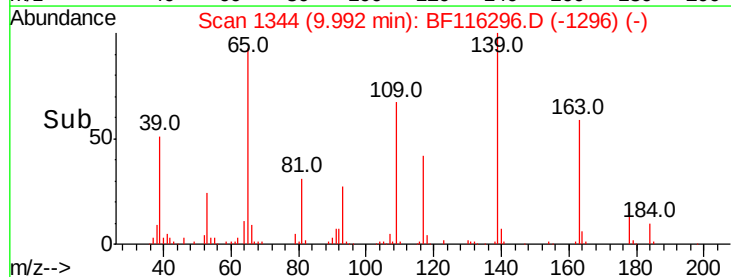
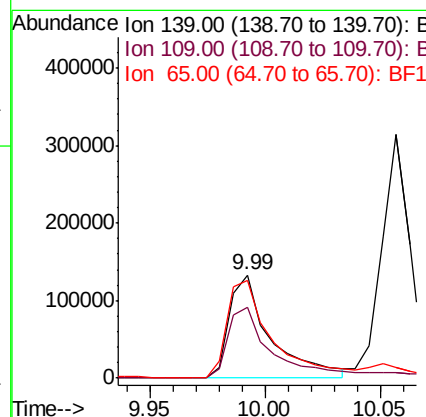
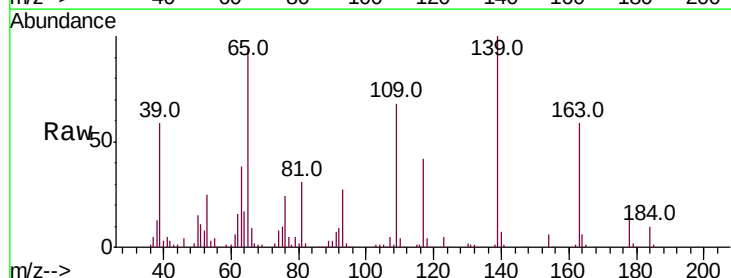
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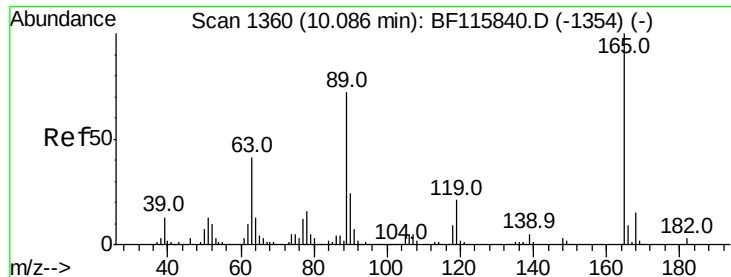
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#56
 4-Nitrophenol
 Concen: 75.973 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.02 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion:139	Resp:	166341
Ion Ratio	Lower	Upper
139	100	
109	68.2	54.4 94.4
65	94.0	80.6 120.6





#57

2,4-Dinitrotoluene

Concen: 45.699 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

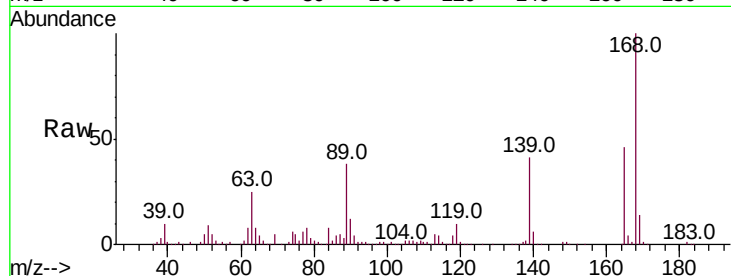
ClientSampleId :

SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	168302		
63	54.5	39.6	59.4	
89	82.2	62.2	93.2	
182	2.5	2.1	3.1	

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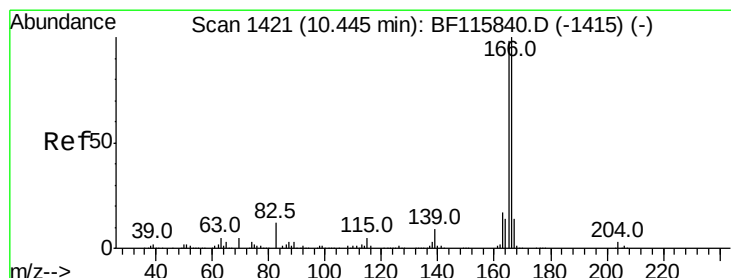
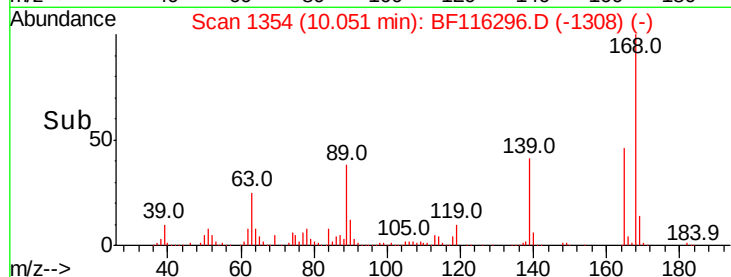
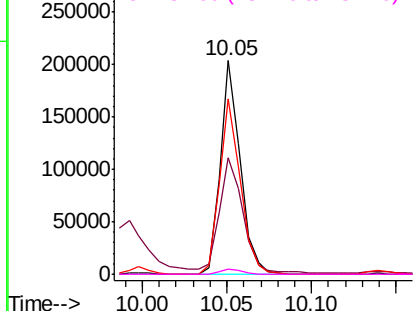
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 49.433 ng

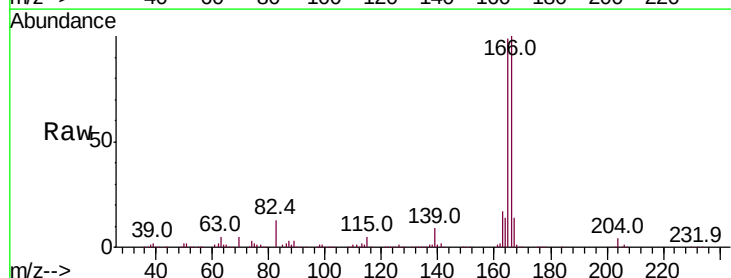
RT: 10.40 min Scan# 1413

Delta R.T. -0.04 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	543753		
165	99.3	78.4	117.6	
167	13.9	11.0	16.4	

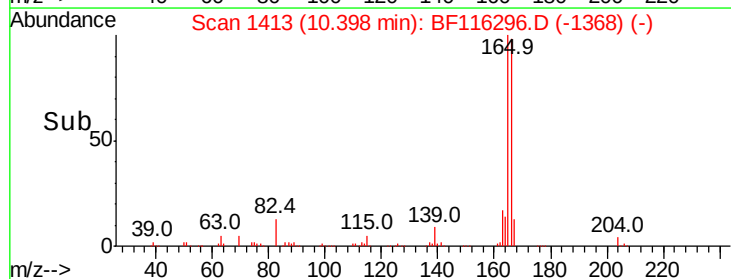
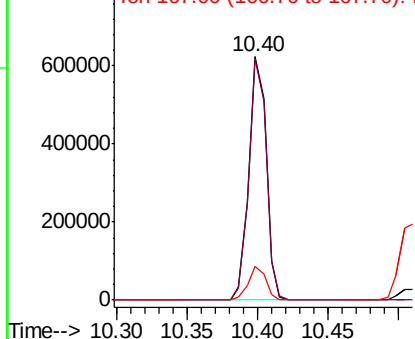


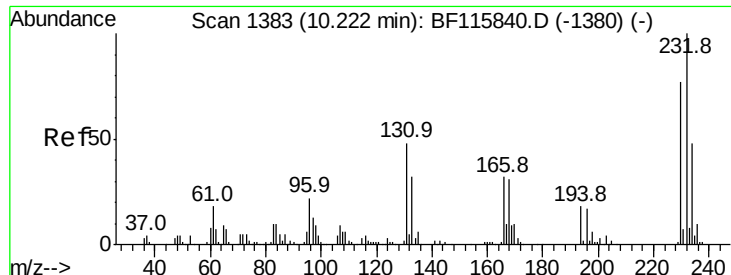
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





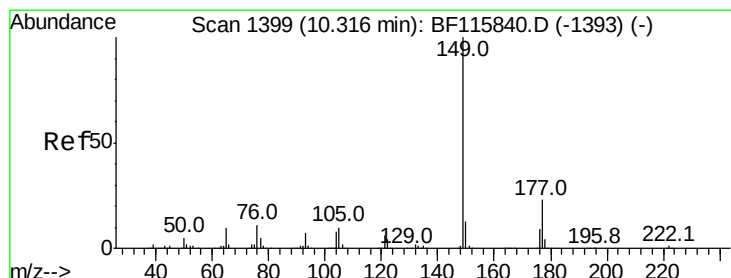
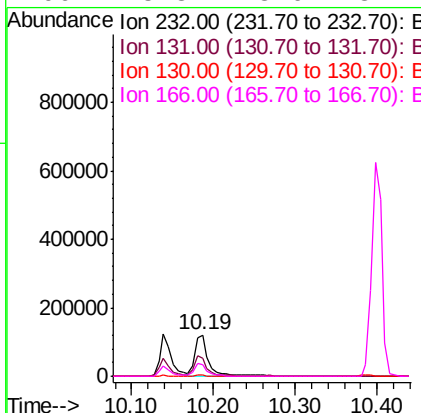
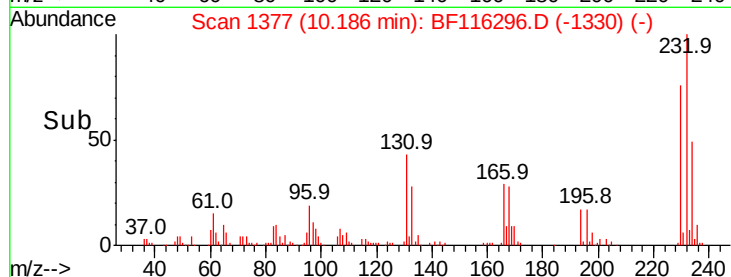
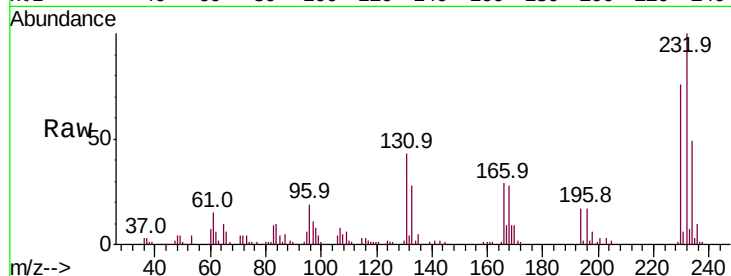
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.576 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. -0.02 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	139336		
131	44.4	36.2	54.2	
130	2.1	1.9	2.9	
166	28.3	23.0	34.4	

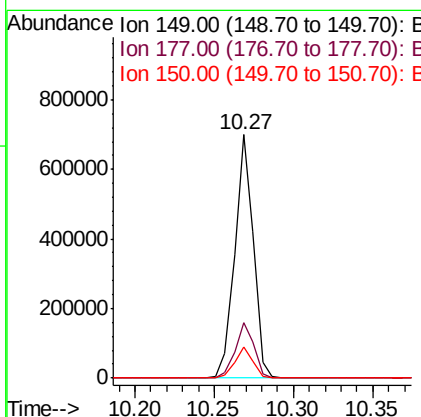
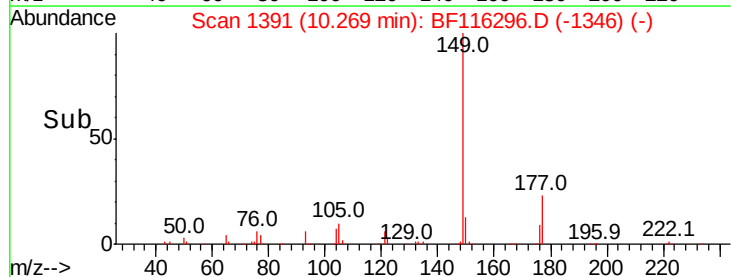
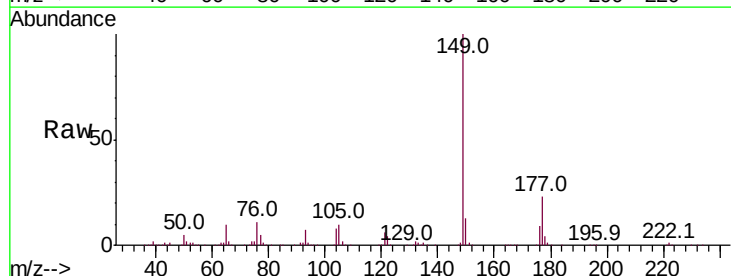
Manual Integrations
 APPROVED

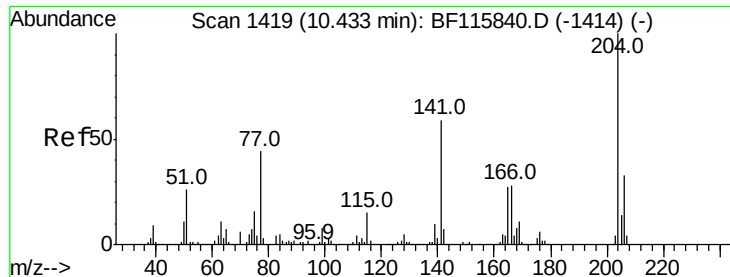
Jagrut
 8/16/2019 5:34:12 PM



#60
 Diethylphthalate
 Concen: 47.689 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	566712		
177	22.8	18.8	28.2	
150	12.6	10.2	15.4	





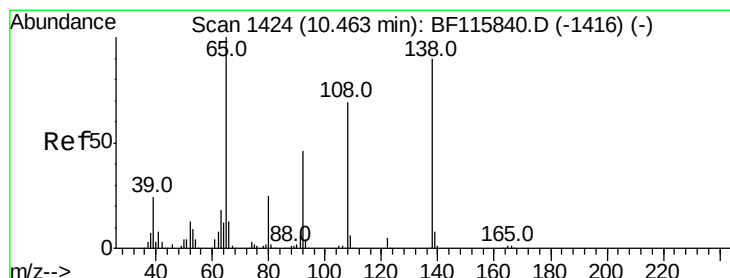
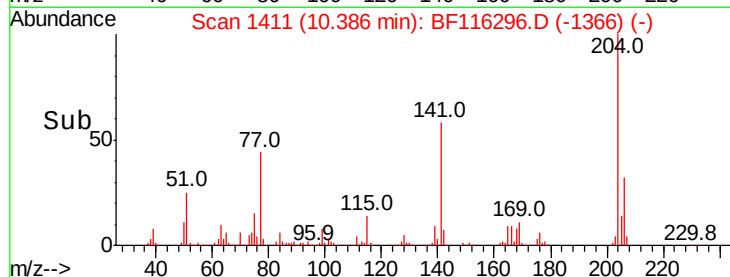
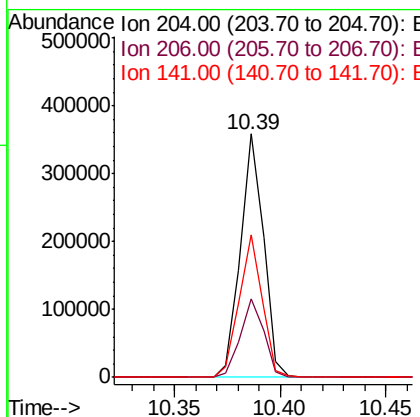
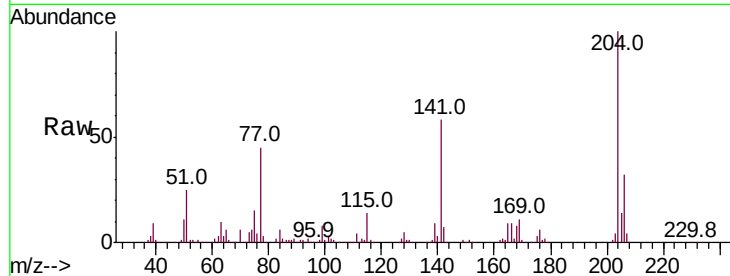
#61
4-Chlorophenyl-phenylether
Concen: 48.678 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	271182		
206	32.0		26.4	39.6
141	58.4		46.4	69.6

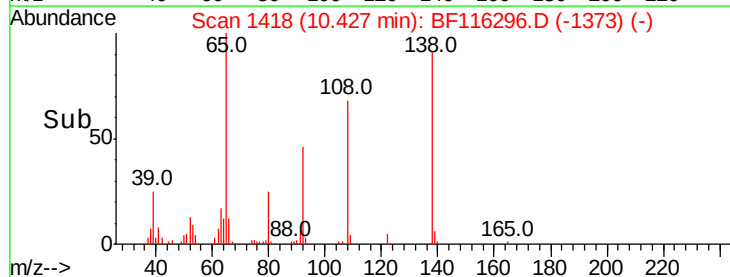
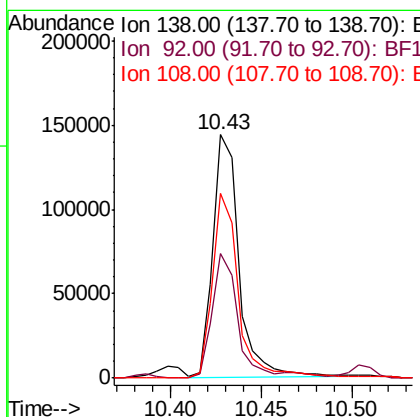
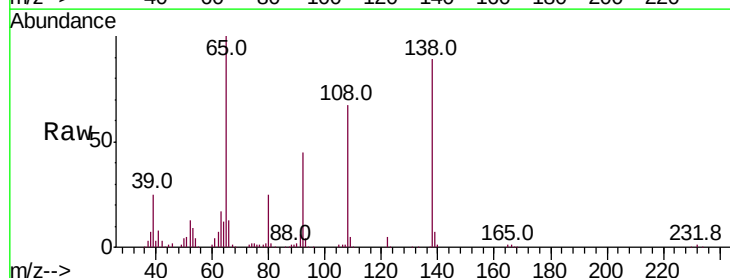
Manual Integrations
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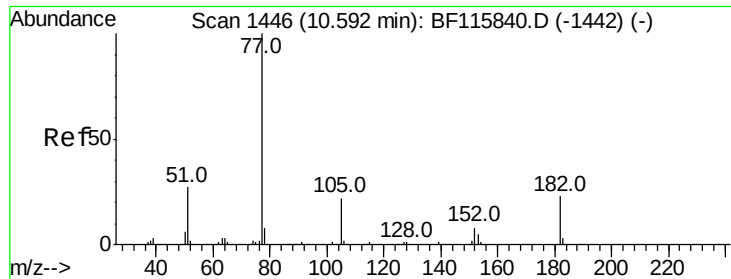
Jagrut
8/16/2019 5:34:12 PM



#62
4-Nitroaniline
Concen: 40.782 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	144049		
92	50.9		29.0	69.0
108	75.7		54.7	94.7





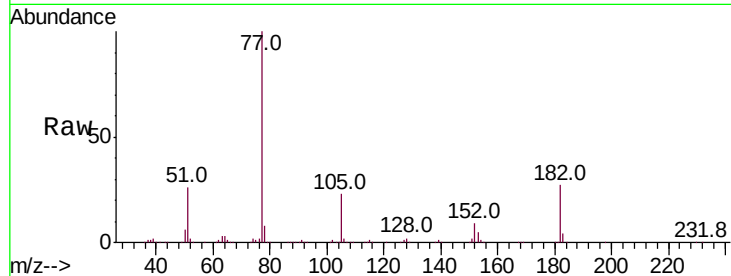
#63
Azobenzene
Concen: 48.027 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
77	100	587024		
182	27.3	4.0	44.0	
105	22.7	2.0	42.0	
51	25.8	7.5	47.5	

Manual Integrations
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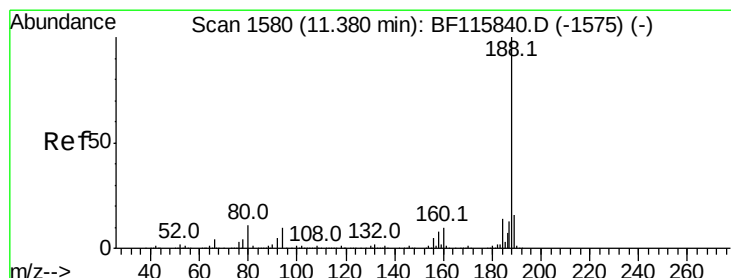
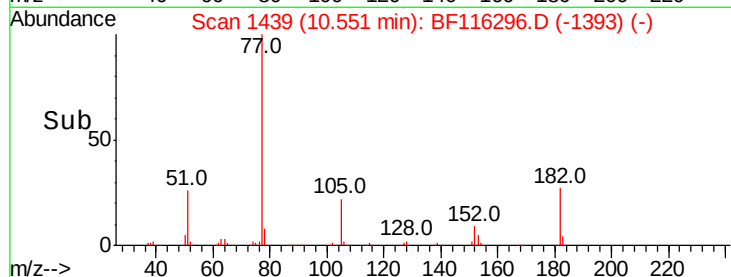
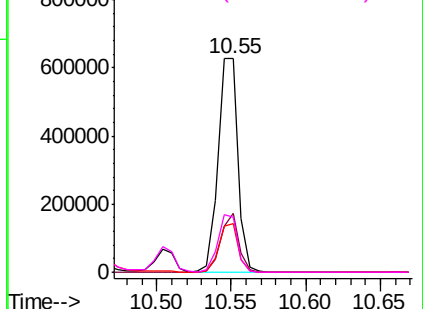
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

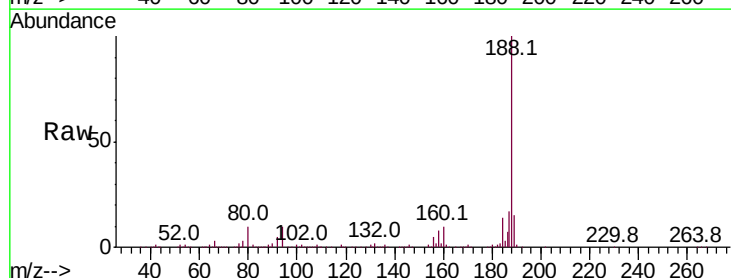
Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	340795		
94	9.5	8.1	12.1	
80	9.9	8.7	13.1	

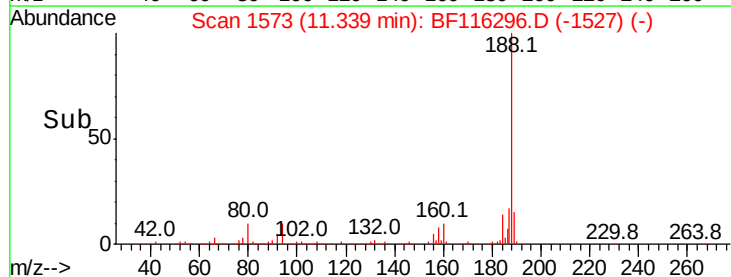
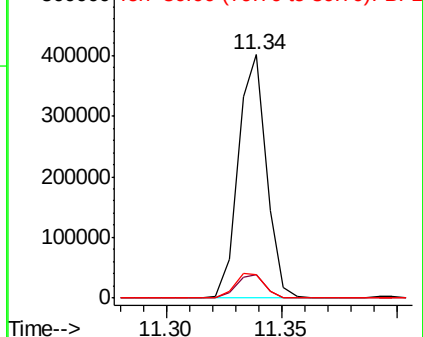


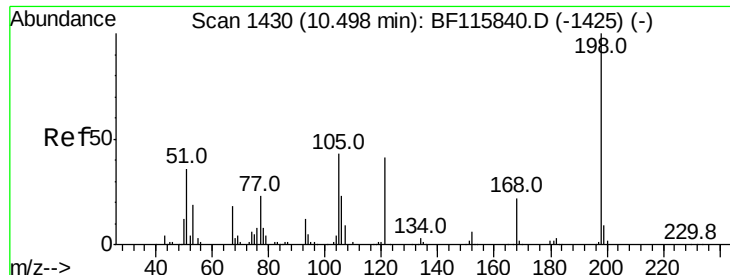
Abundance

Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





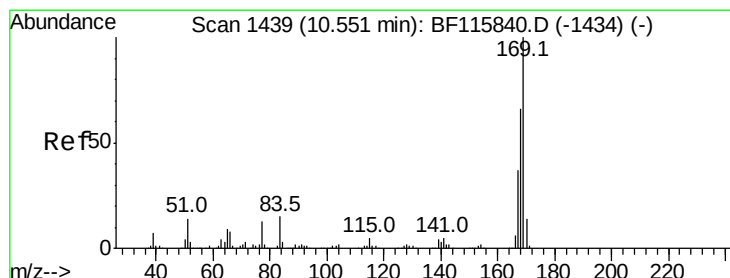
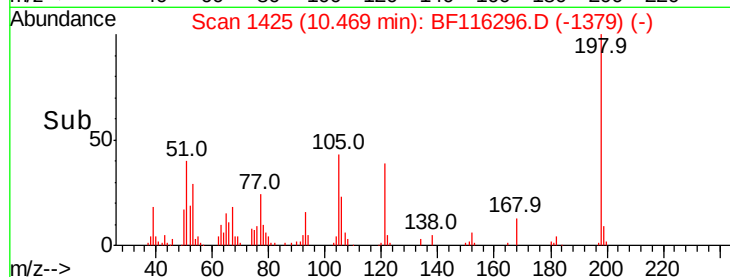
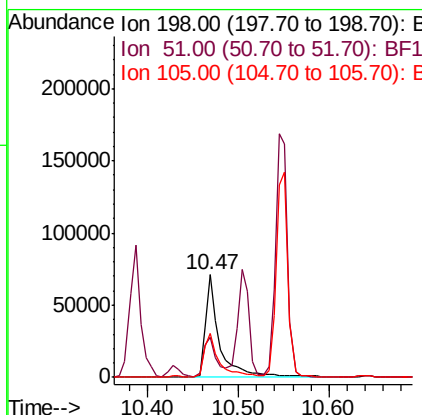
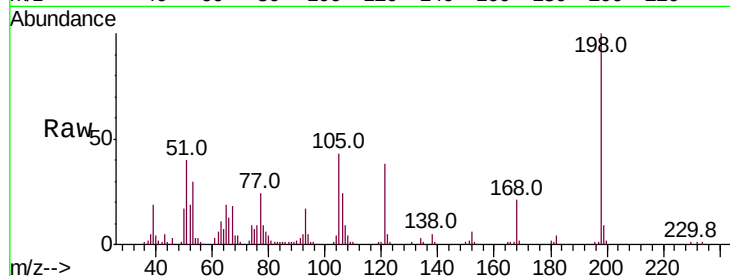
#65
4,6-Dinitro-2-methylphenol
Concen: 43.934 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	39.8	17.0	57.0
105	42.6	21.6	61.6

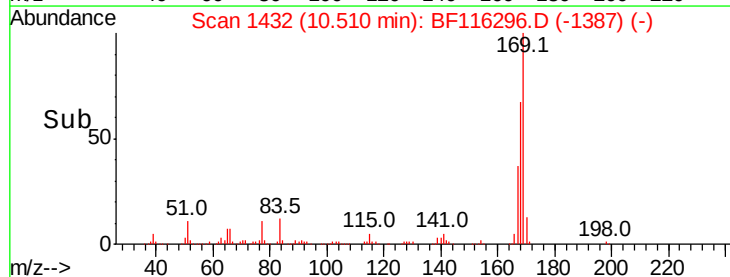
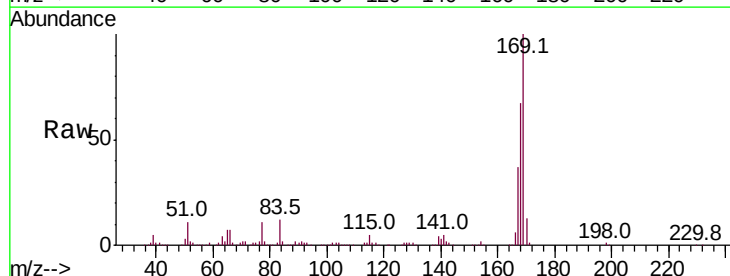
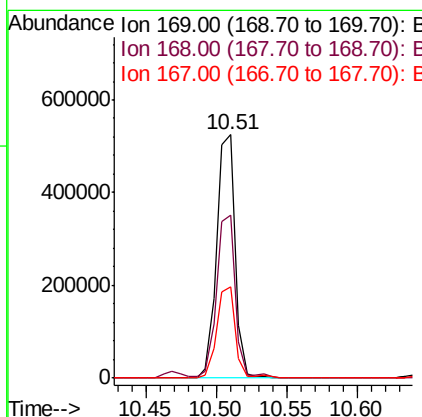
Manual Integrations
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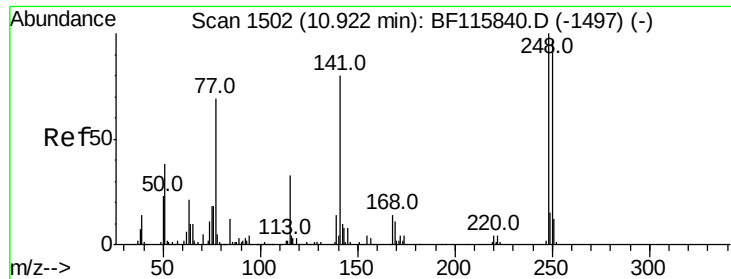
Jagrut
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#66
n-Nitrosodiphenylamine
Concen: 46.547 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.8	80.6
167	37.3	29.6	44.4





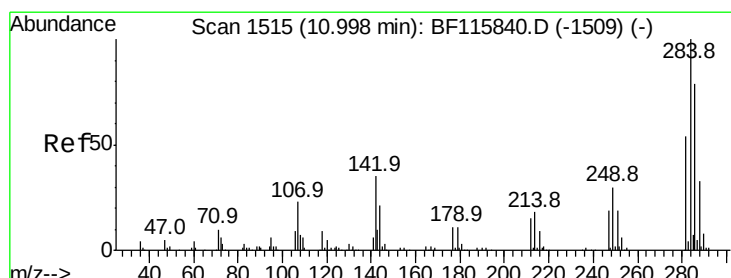
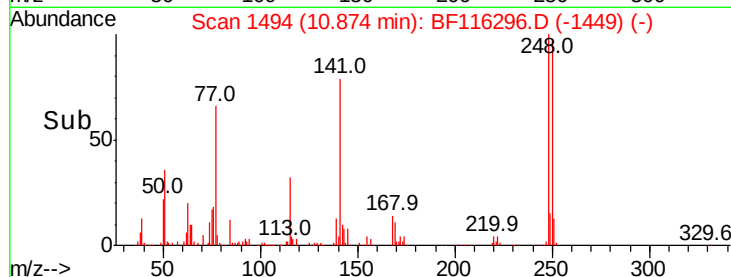
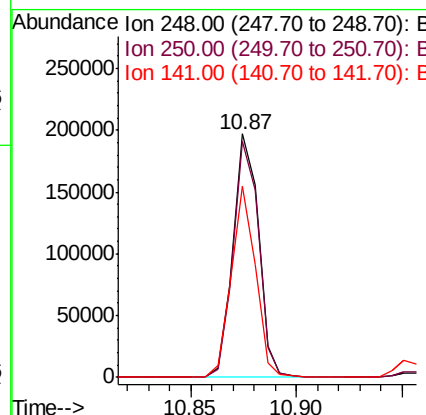
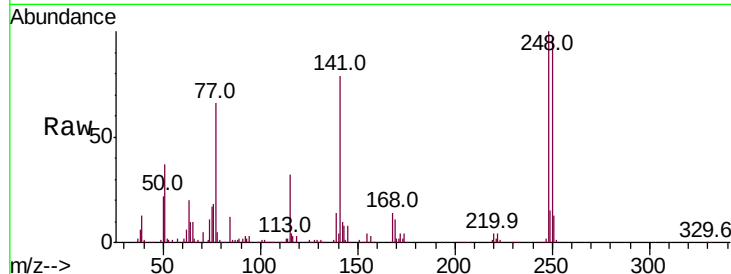
#67
4-Bromophenyl-phenylether
Concen: 44.988 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.4	116.2
141	78.7	56.8	85.2

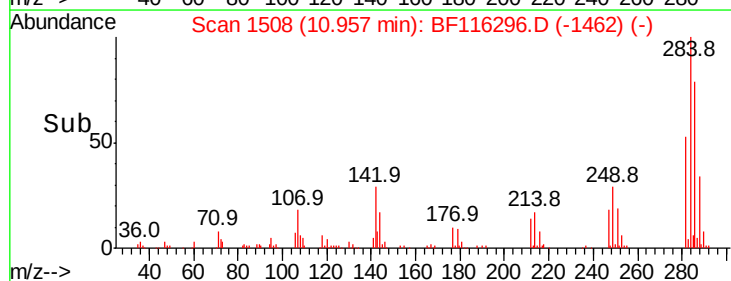
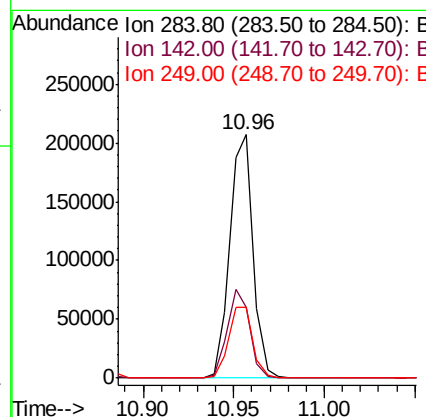
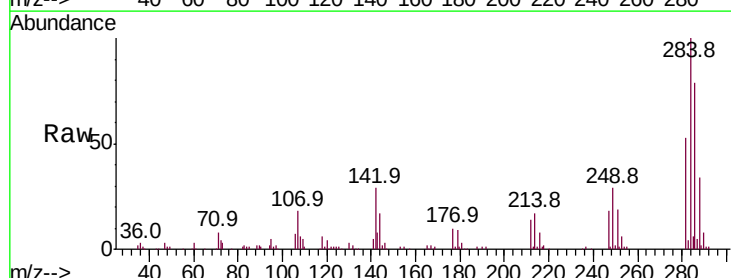
Manual Integrations
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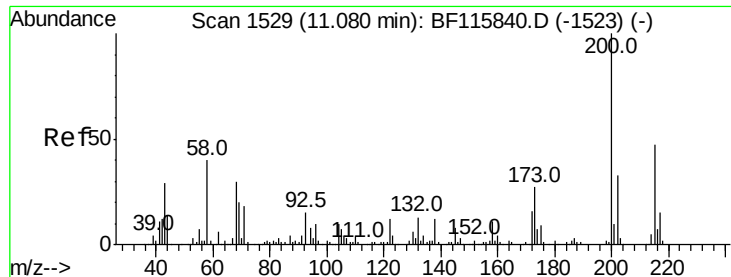
Jagrut
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#68
Hexachlorobenzene
Concen: 43.931 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.2	28.4	42.6
249	29.2	24.5	36.7





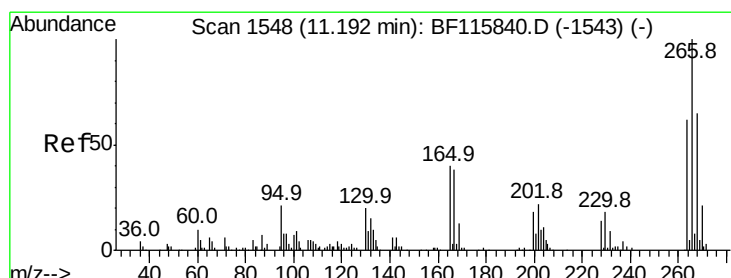
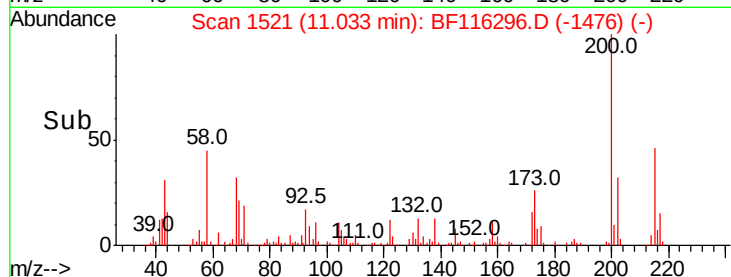
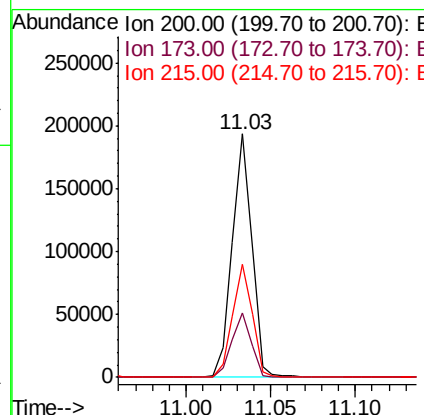
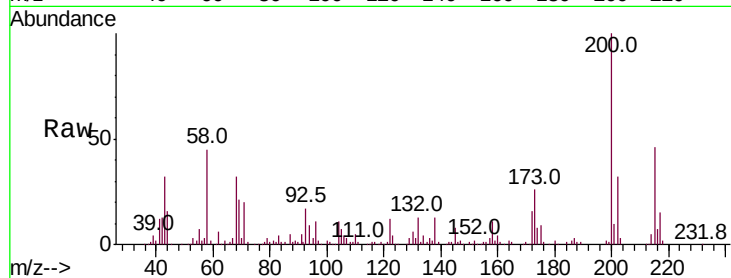
#69
 Atrazine
 Concen: 46.231 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :
 SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	156009		
173	26.4	6.8	46.8	
215	46.2	27.5	67.5	

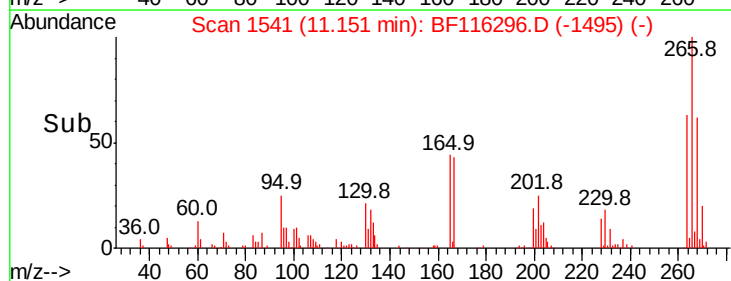
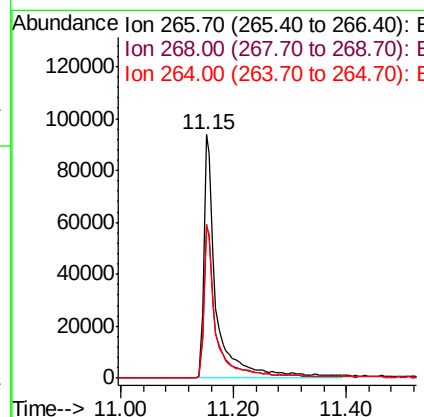
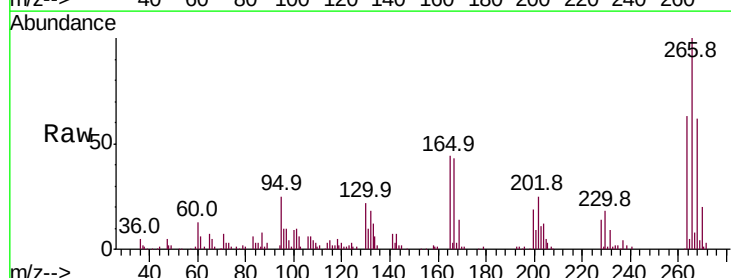
Manual Integrations
 APPROVED

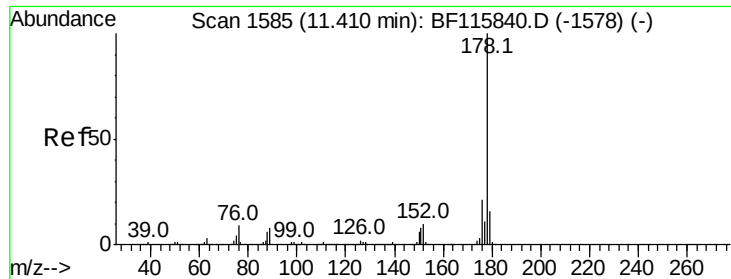
Jagrut
 8/16/2019 5:34:12 PM



#70
 Pentachlorophenol
 Concen: 71.443 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	146322		
268	62.3	48.8	73.2	
264	63.2	50.6	76.0	





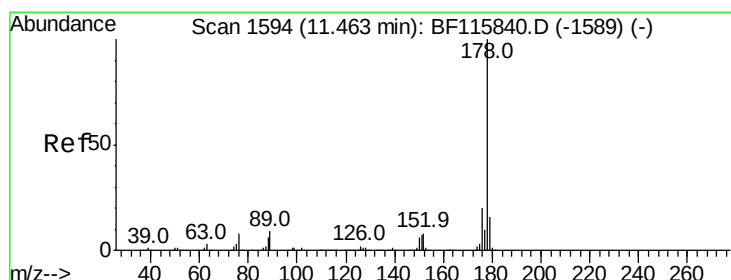
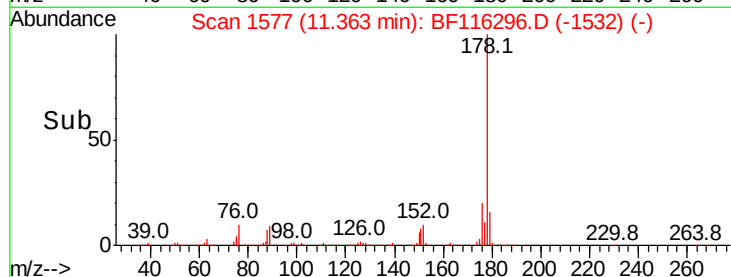
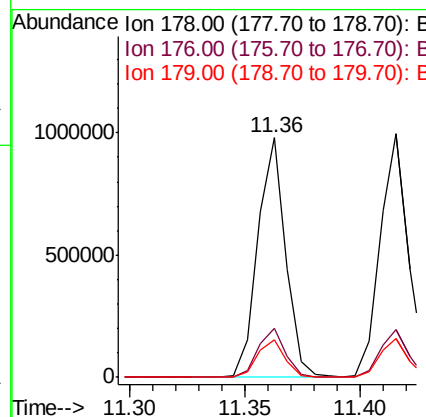
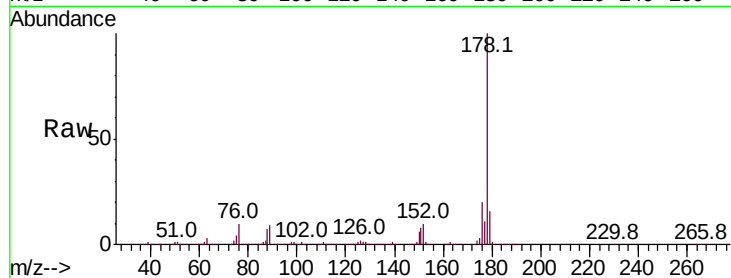
#71
Phenanthrene
Concen: 47.442 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.6	24.8
179	15.7	12.5	18.7

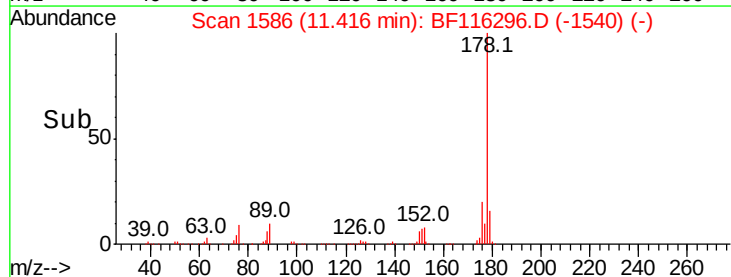
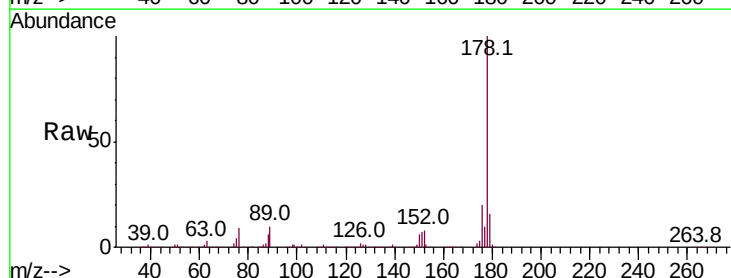
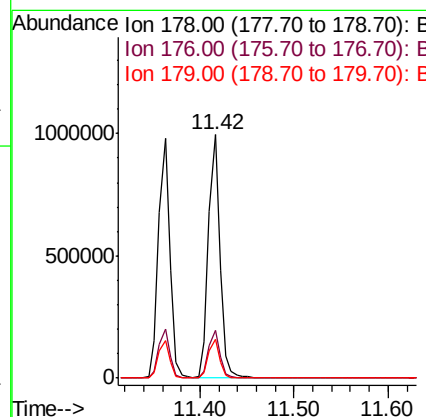
Manual Integrations
APPROVED

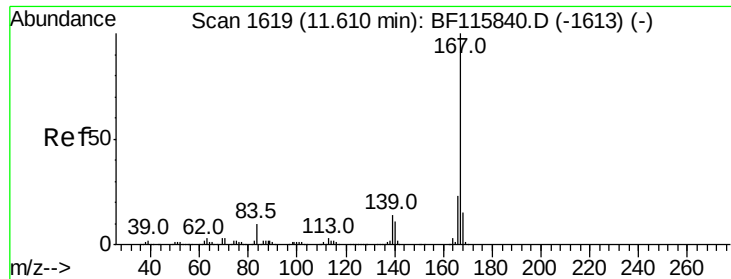
Jagrut
8/16/2019 5:34:12 PM



#72
Anthracene
Concen: 48.972 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.03 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	16.0	13.0	19.6





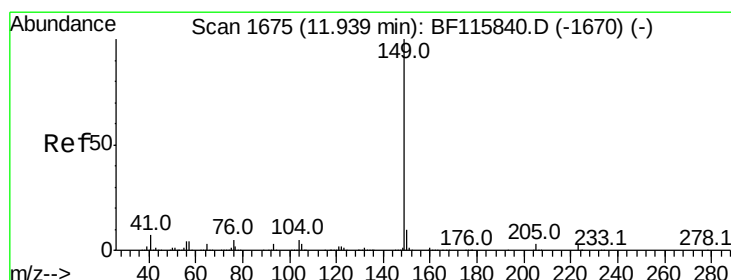
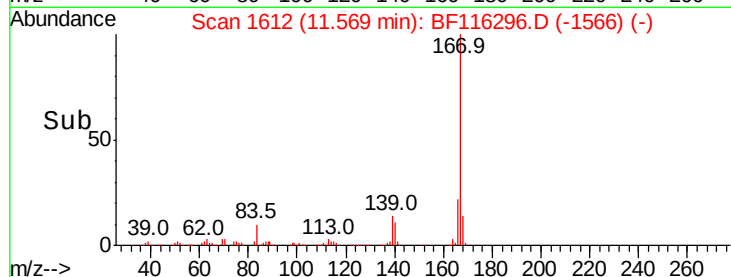
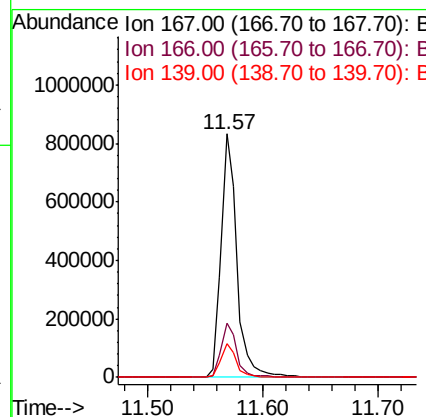
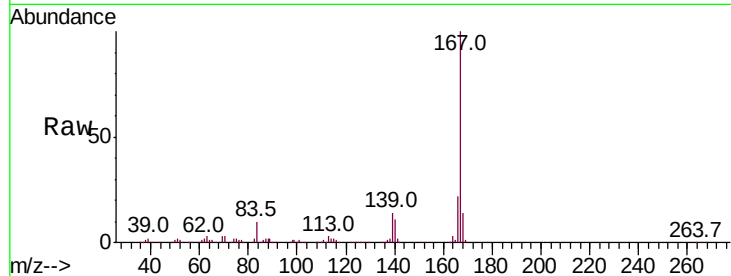
#73
 Carbazole
 Concen: 49.486 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-2MSD

Tot Ion:	167	Resp:	791609
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.8	26.6
139	13.7	11.4	17.0

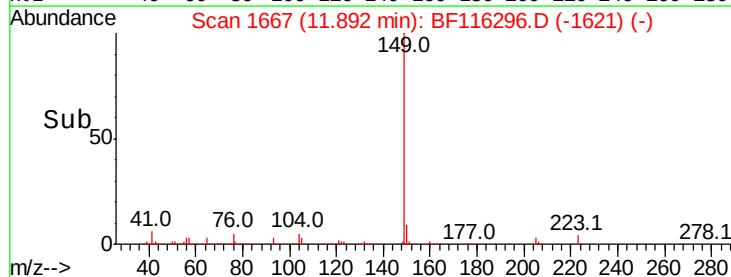
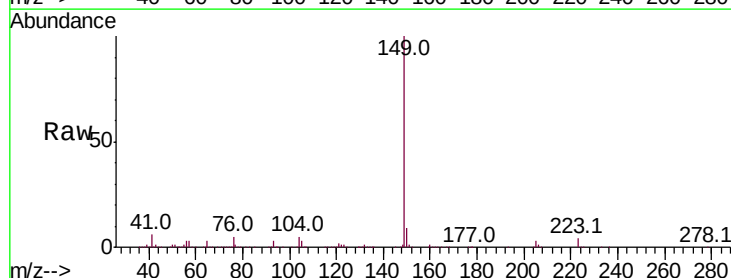
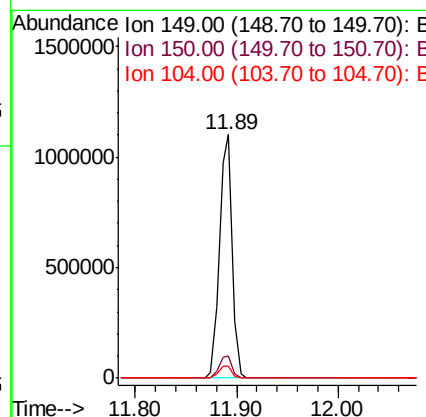
Manual Integrations
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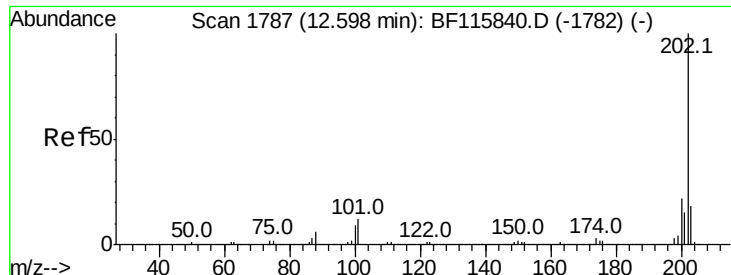
Jagrut
 8/16/2019 5:34:12 PM



#74
 Di-n-butylphthalate
 Concen: 51.340 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion:	149	Resp:	958038
Ion Ratio	Lower	Upper	
149	100		
150	9.2	8.0	12.0
104	4.7	4.5	6.7





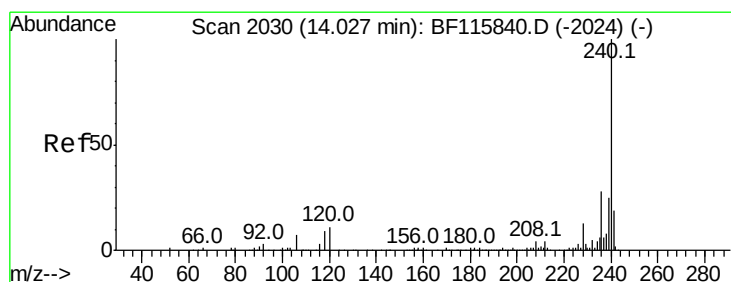
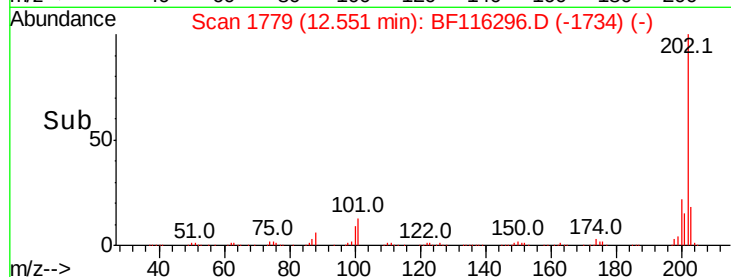
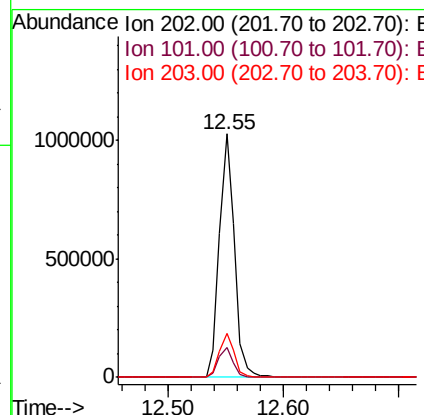
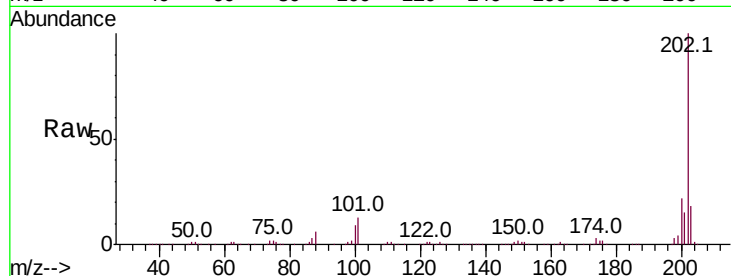
#75
 Fluoranthene
 Concen: 50.797 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampled :
 SP-2MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.5	0.0	31.2
203	18.3	0.0	37.8

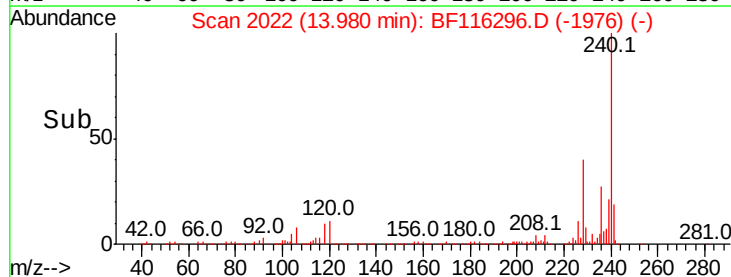
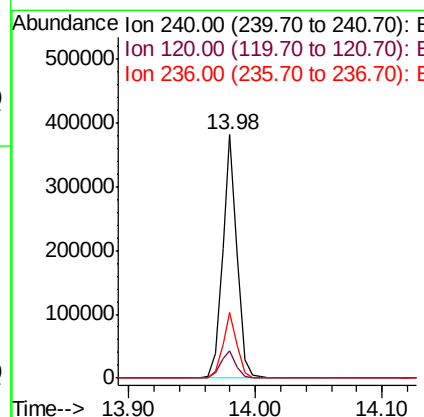
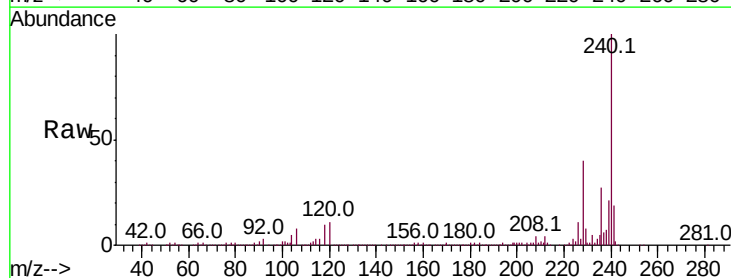
Manual Integrations
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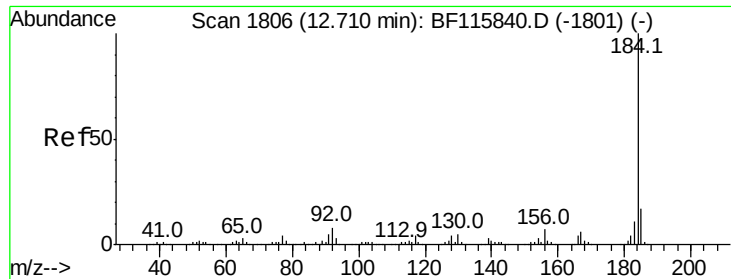
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	10.7	16.1
236	27.1	22.2	33.2





#77

Benzidine

Concen: 42.160 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

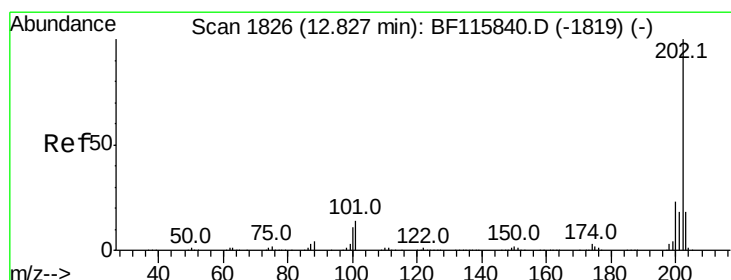
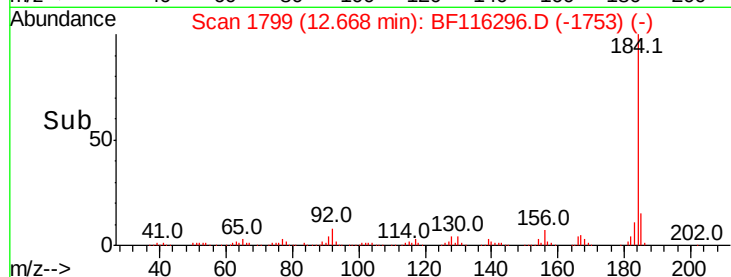
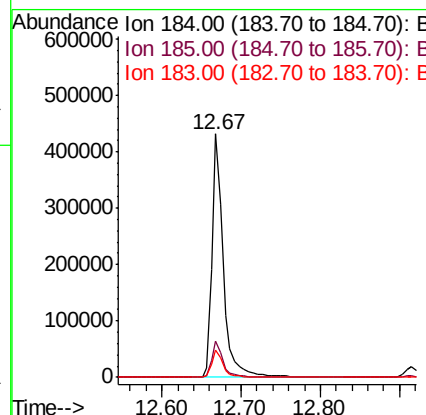
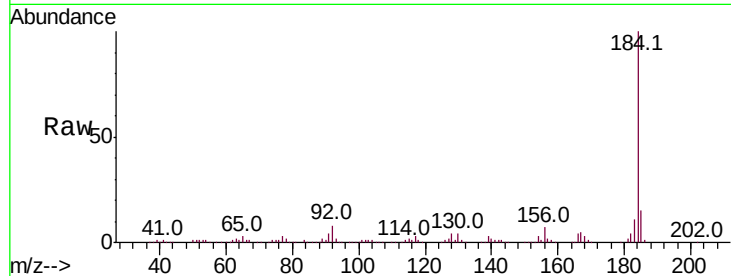
ClientSampleId :

SP-2MSD

Tot Ion:	184	Resp:	432622
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.8	19.2
183	11.3	9.4	14.0

Manual Integrations
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#78

Pyrene

Concen: 41.289 ng

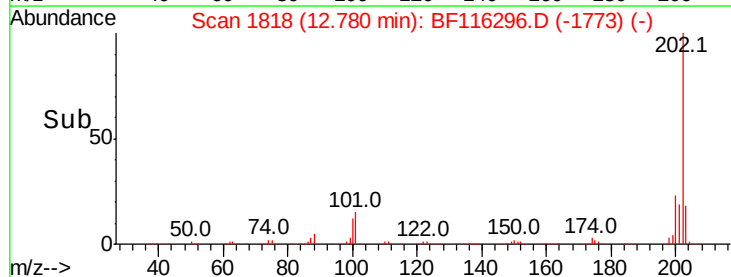
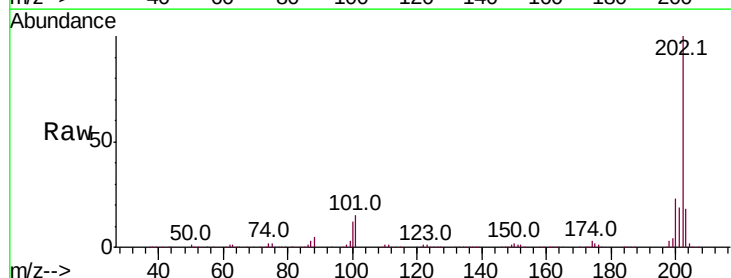
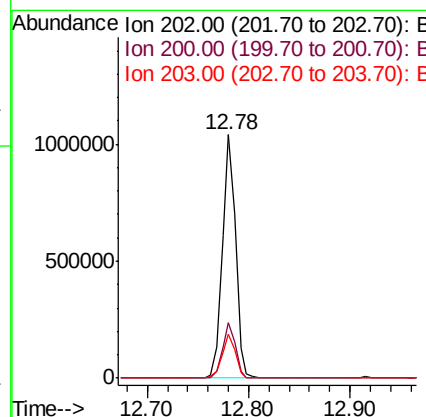
RT: 12.78 min Scan# 1818

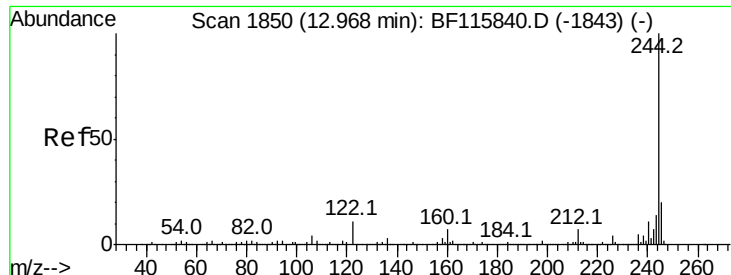
Delta R.T. -0.04 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	202	Resp:	945341
Ion Ratio	Lower	Upper	
202	100		
200	23.0	18.0	27.0
203	18.2	14.1	21.1





#79

Terphenyl-d14

Concen: 85.663 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

ClientSampleId :

SP-2MSD

Tot Ion:244 Resp: 1234772

Ion Ratio Lower Upper

244 100

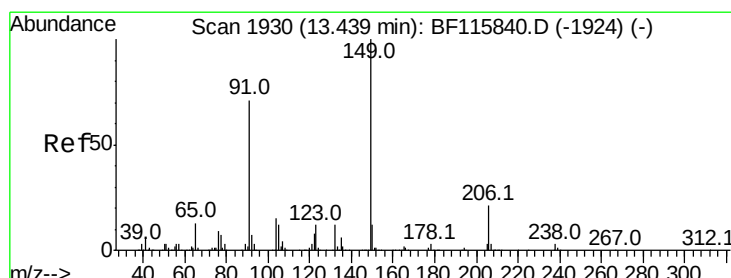
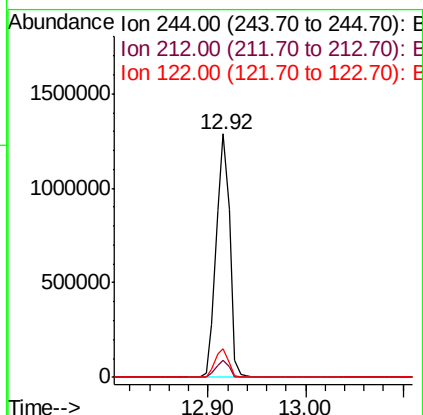
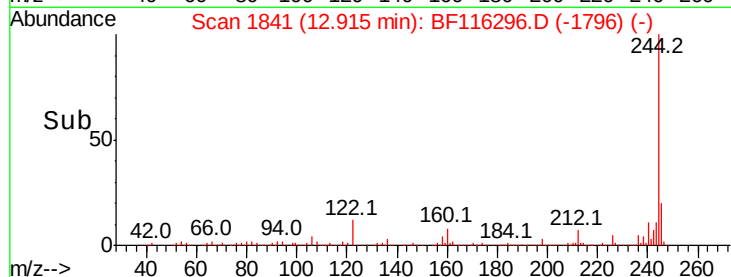
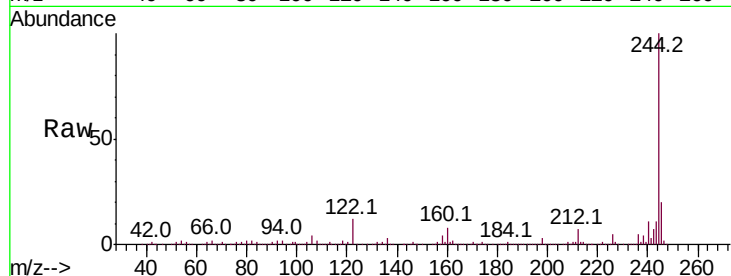
212 7.2 5.8 8.8

122 11.9 9.0 13.4

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#80

Butylbenzylphthalate

Concen: 44.965 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.04 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

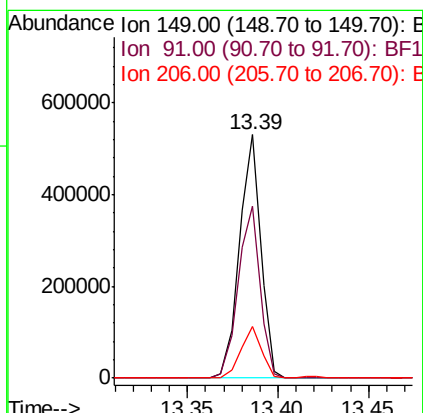
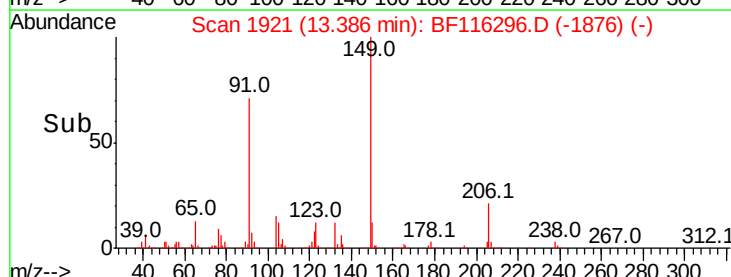
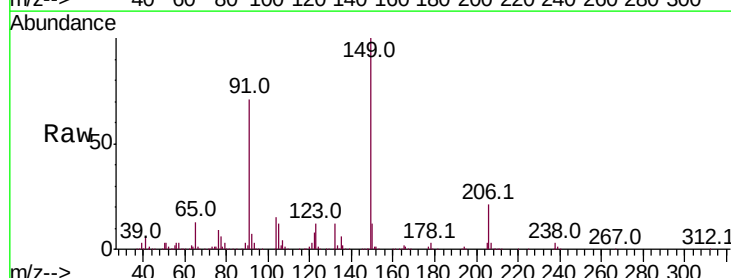
Tgt Ion:149 Resp: 435484

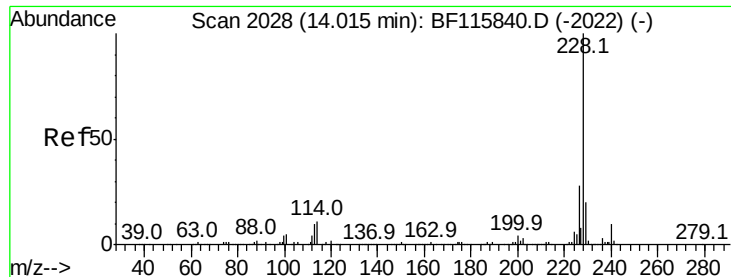
Ion Ratio Lower Upper

149 100

91 70.6 56.3 84.5

206 21.1 18.0 27.0





#81

Benzo(a)anthracene

Concen: 45.431 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Instrument :

BNA_F

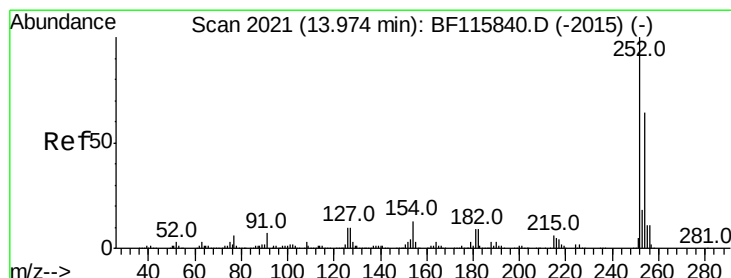
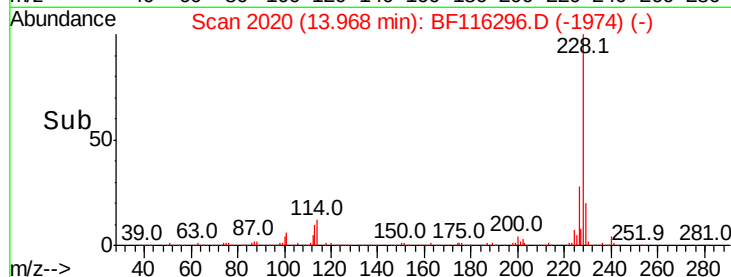
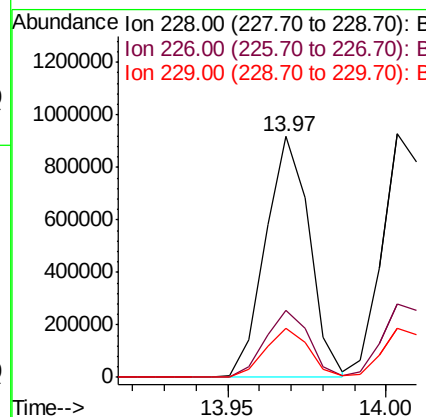
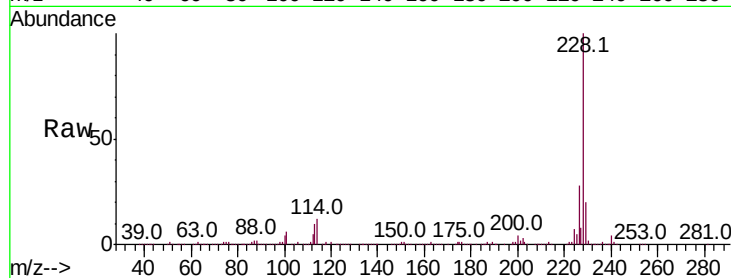
ClientSampleId :

SP-2MSD

Tot Ion:	228	Resp:	881977
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.7	34.1
229	20.3	16.2	24.4

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 26.582 ng

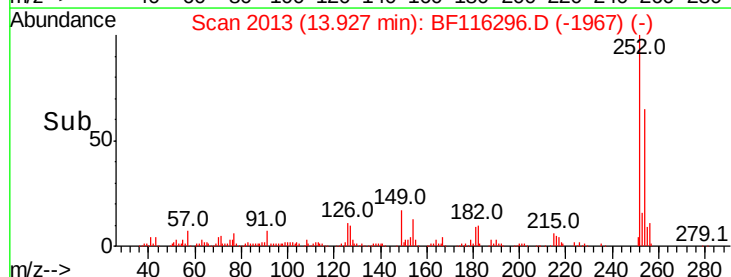
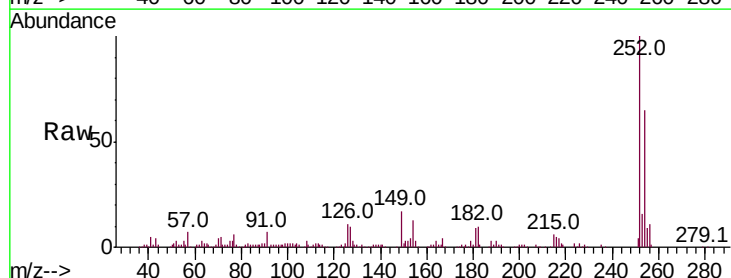
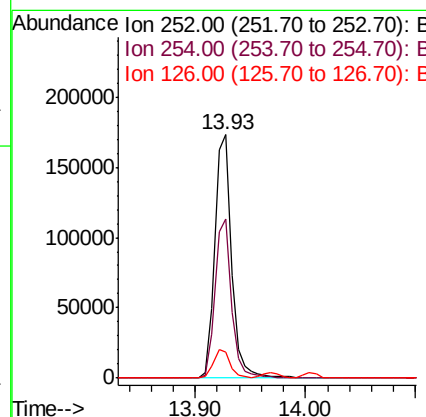
RT: 13.93 min Scan# 2013

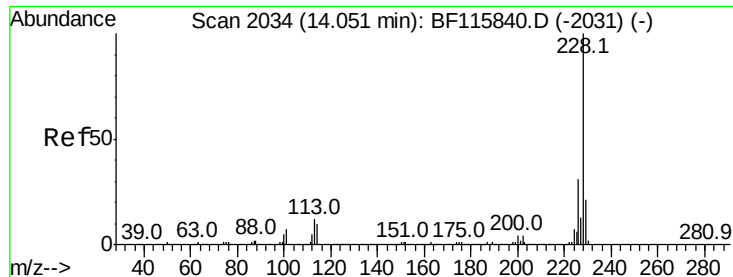
Delta R.T. -0.03 min

Lab File: BF116296.D

Acq: 15 Aug 2019 23:25

Tgt Ion:	252	Resp:	179283
Ion Ratio	Lower	Upper	
252	100		
254	65.1	50.9	76.3
126	10.7	9.8	14.8





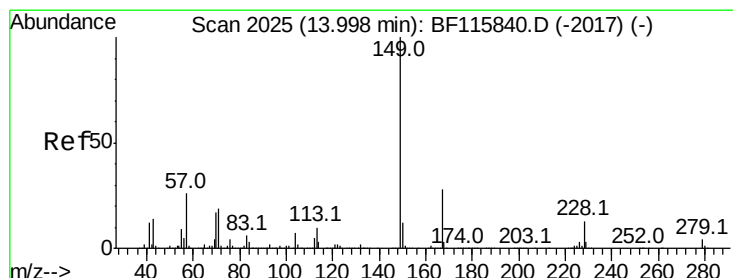
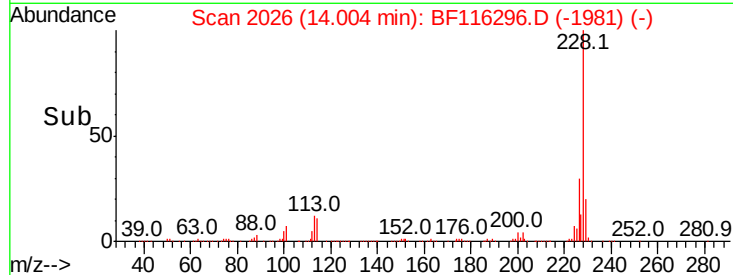
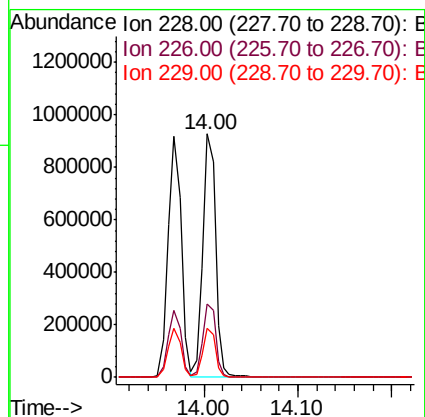
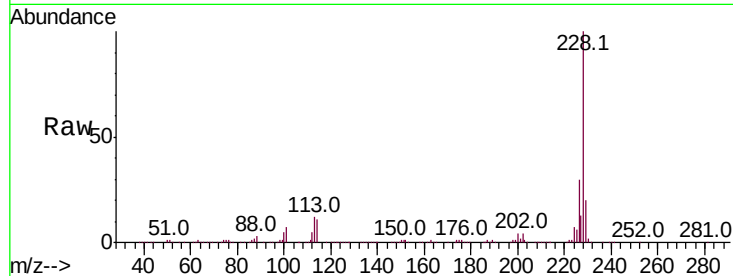
#83
 Chrysene
 Concen: 46.823 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.04 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-2MSD

Tot Ion:	228	Resp:	882499
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.5	38.3
229	20.3	16.6	24.8

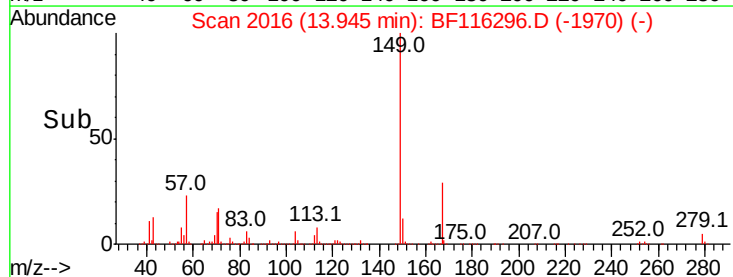
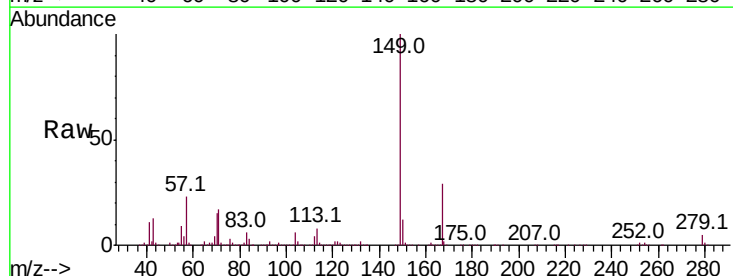
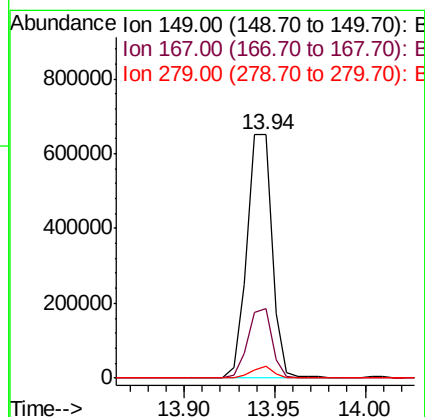
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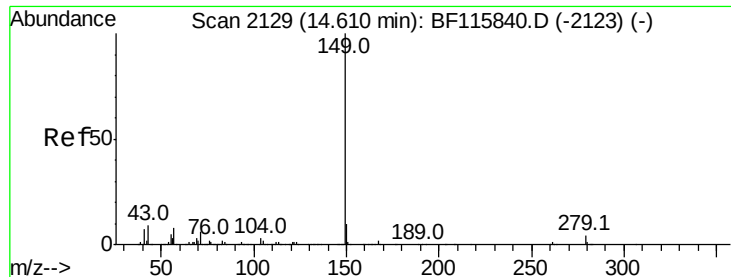
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.037 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.03 min
 Lab File: BF116296.D
 Acq: 15 Aug 2019 23:25

Tgt Ion:	149	Resp:	629750
Ion Ratio	Lower	Upper	
149	100		
167	28.8	21.6	32.4
279	4.6	3.0	4.4#





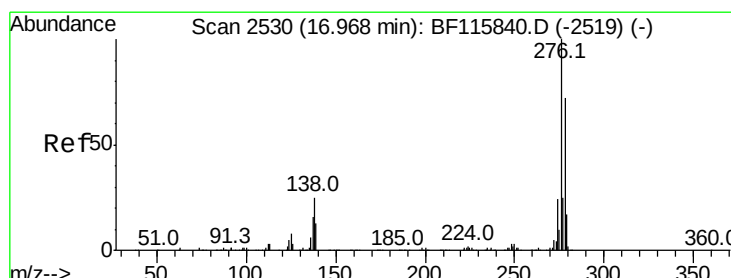
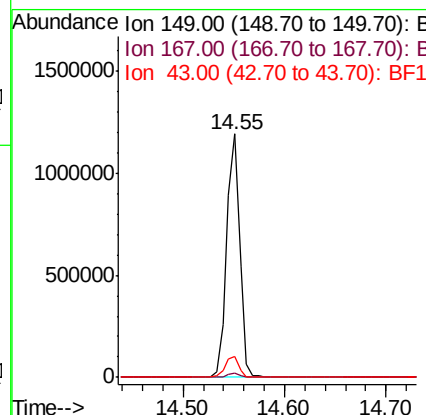
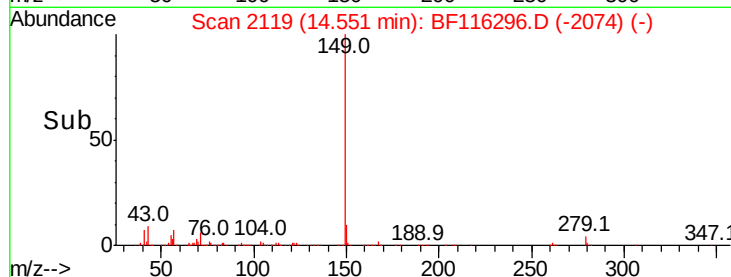
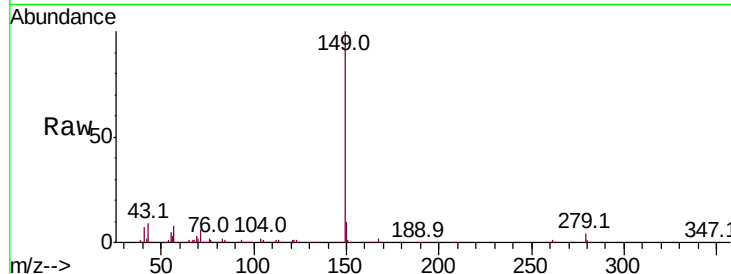
#85
Di-n-octyl phthalate
Concen: 53.309 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	9.1	7.5	11.3

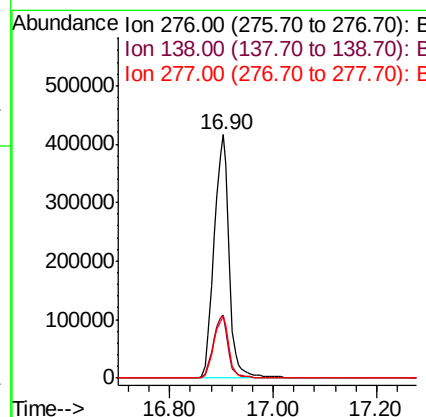
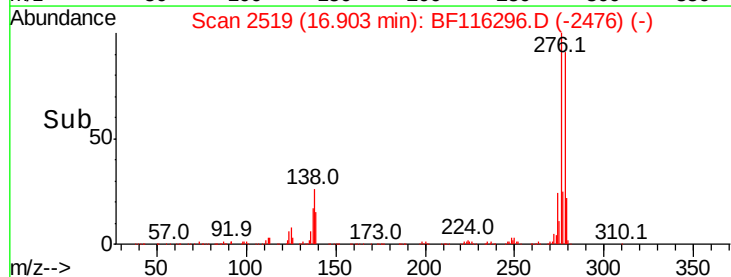
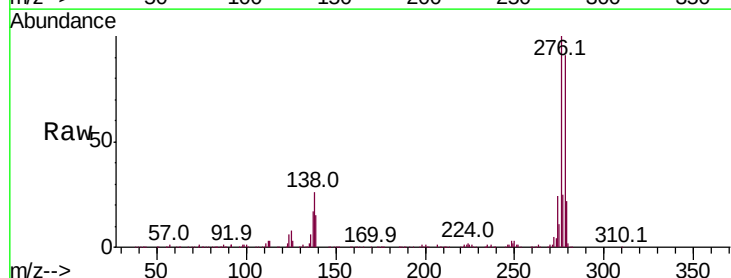
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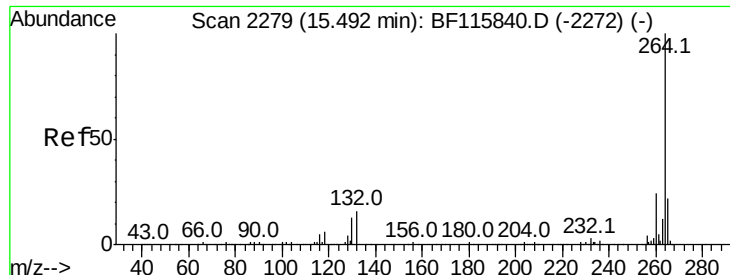
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#86
Indeno(1,2,3-cd)pyrene
Concen: 53.536 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.4	30.6
277	25.3	20.0	30.0





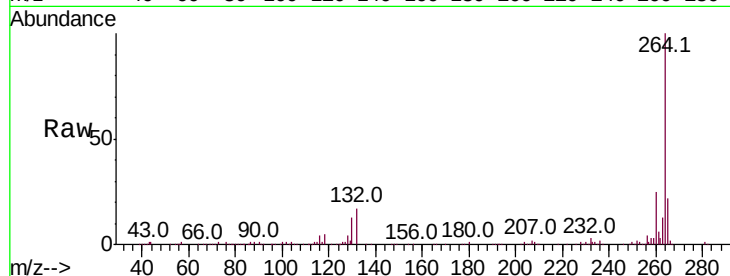
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampleId :
SP-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
264	100	327055		
260	24.6		19.7	29.5
265	21.6		17.4	26.0

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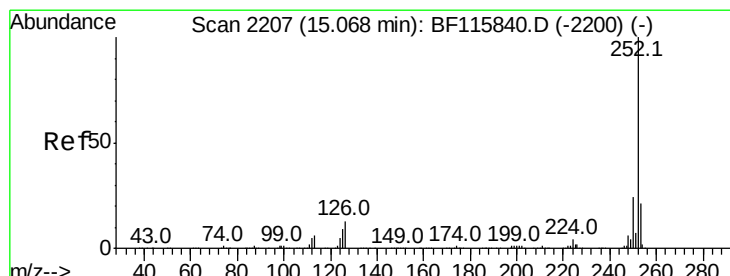
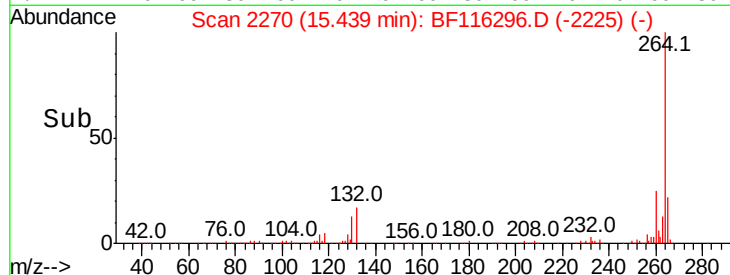
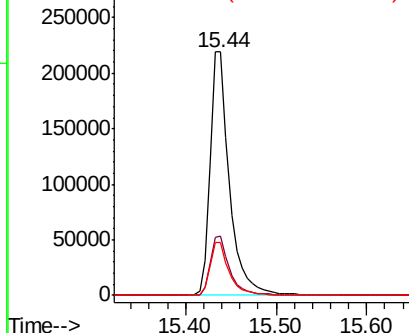


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 44.634 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

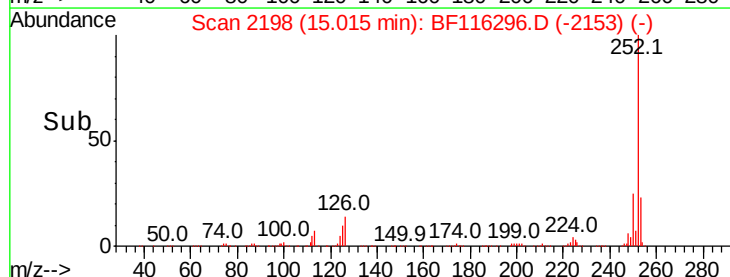
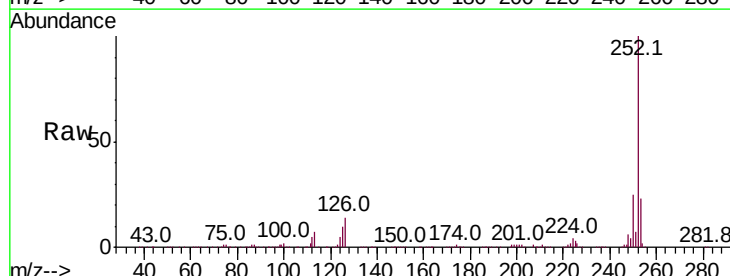
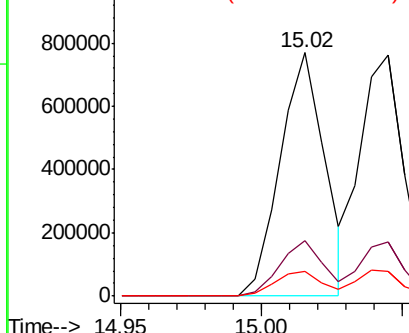
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	844053		
253	22.7		17.8	26.8
125	10.4		8.4	12.6

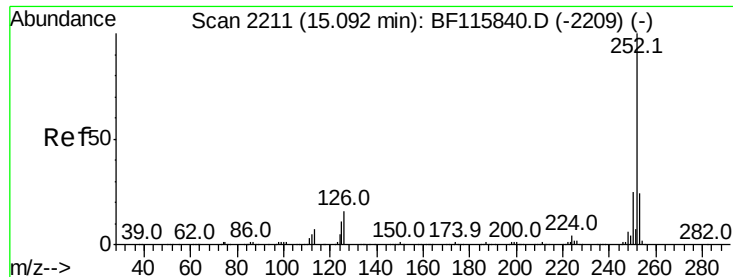
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





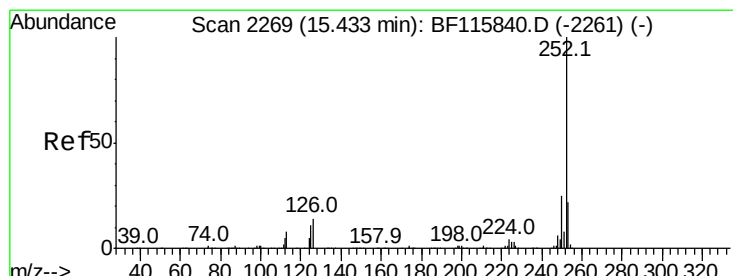
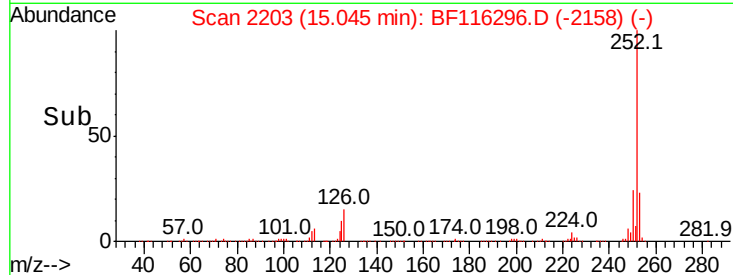
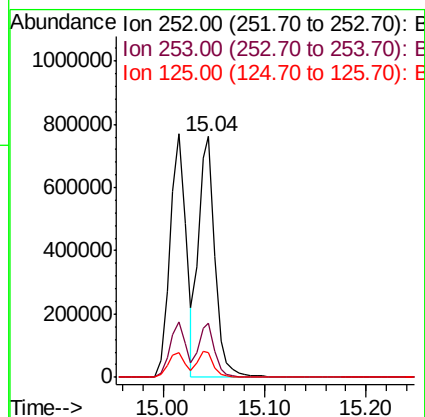
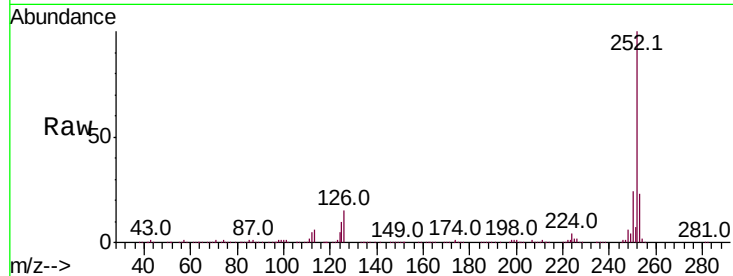
#89
Benzo(k)fluoranthene
Concen: 46.381 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.1	7.7	11.5

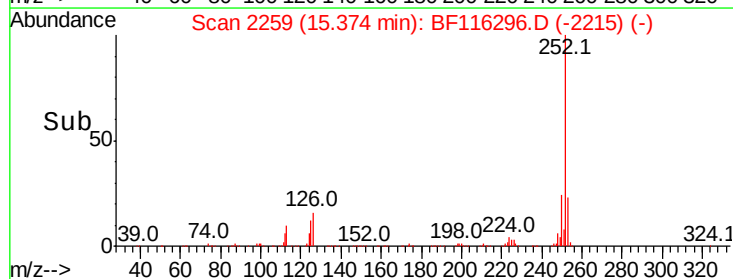
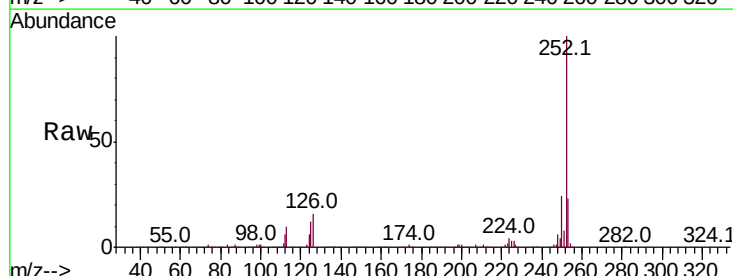
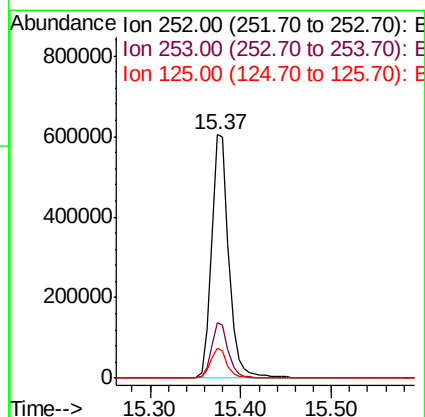
Manual Integrations
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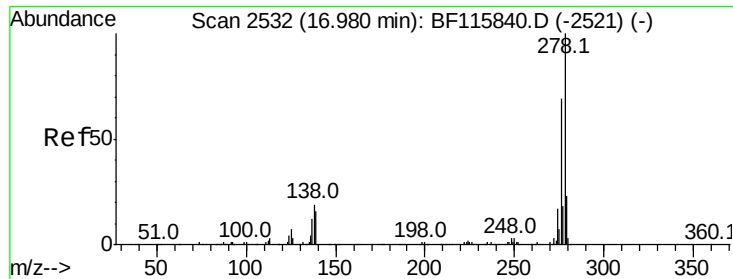
Jagrut
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#90
Benzo(a)pyrene
Concen: 47.856 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.04 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	12.3	8.9	13.3





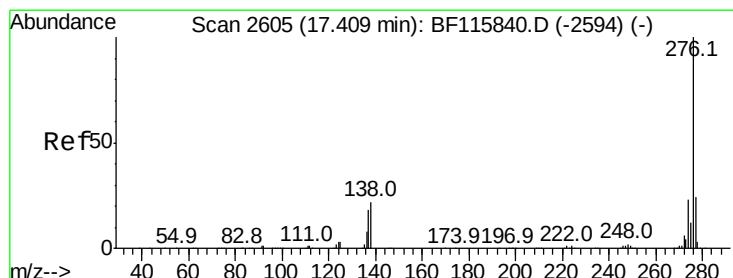
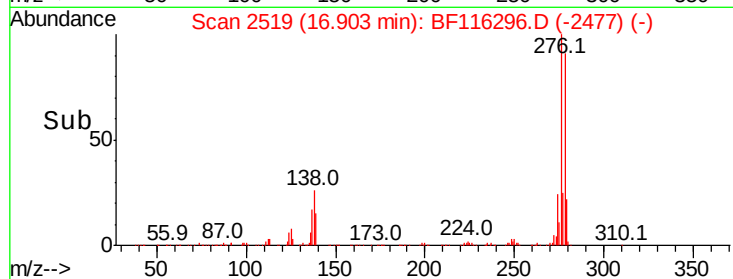
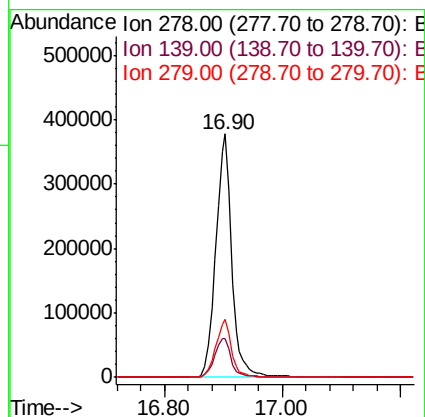
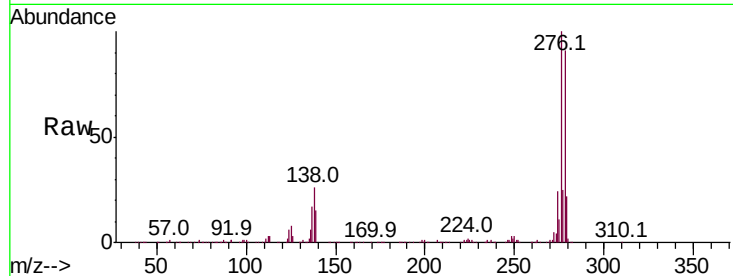
#91
Dibenzo(a,h)anthracene
Concen: 48.691 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Instrument :
BNA_F
ClientSampled :
SP-2MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	12.8	19.2
279	23.8	18.8	28.2

Manual Integrations
APPROVED

Jagrut
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#92
Benzo(g,h,i)perylene
Concen: 48.888 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.05 min
Lab File: BF116296.D
Acq: 15 Aug 2019 23:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.4	27.6
138	23.0	17.0	25.6

