

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112982.D
 Acq On : 12 Mar 2019 4:21
 Operator : JU/SJ
 Sample : K1817-01MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B011-030619MSD

Manual Integrations
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Sohil
 3/12/2019 4:29:13 PM

Quant Time: Mar 12 07:43:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	127072	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	490496	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	254621	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	561666	20.00	ng	0.00
76) Chrysene-d12	13.87	240	405522	20.00	ng	0.00
87) Perylene-d12	15.27	264	354827	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	481931	59.00	ng	0.00
7) Phenol-d6	6.36	99	651122	63.45	ng	0.00
23) Nitrobenzene-d5	7.29	82	372634	45.46	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	224849	83.18	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	782262	44.87	ng	-0.01
79) Terphenyl-d14	12.82	244	926133	44.27	ng	-0.01

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.38	88	63102	15.410	ng	96
3) Pyridine	3.13	79	95808	8.745	ng	96
4) n-Nitrosodimethylamine	3.01	42	75437	15.741	ng	94
6) Aniline	6.39	93	159523	11.294	ng	93
8) 2-Chlorophenol	6.52	128	176666	19.428	ng	92
9) Benzaldehyde	6.27	77	86440	11.691	ng	96
10) Phenol	6.38	94	233134	19.469	ng	94
11) bis(2-Chloroethyl)ether	6.46	93	164338	17.880	ng	96
12) 1,3-Dichlorobenzene	6.67	146	187635	19.974	ng	98
13) 1,4-Dichlorobenzene	6.75	146	191502	20.328	ng	98
14) 1,2-Dichlorobenzene	6.90	146	183333	21.229	ng	98
15) Benzyl Alcohol	6.87	79	146771	18.757	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.01	45	268407	17.499	ng	97
17) 2-Methylphenol	6.99	107	138348	18.754	ng	99
18) Hexachloroethane	7.25	117	58656	16.254	ng	93
19) n-Nitroso-di-n-propylamine	7.14	70	118875	18.291	ng	97
20) 3+4-Methylphenols	7.15	107	175469	21.068	ng	# 71
22) Acetophenone	7.13	105	235633	20.545	ng	# 91
24) Nitrobenzene	7.30	77	178747	19.592	ng	100
25) Isophorone	7.55	82	331260	18.758	ng	98
26) 2-Nitrophenol	7.63	139	82258	21.659	ng	99
27) 2,4-Dimethylphenol	7.67	122	144052	20.388	ng	99
28) bis(2-Chloroethoxy)methane	7.76	93	208693	18.902	ng	100
29) 2,4-Dichlorophenol	7.87	162	148158	21.623	ng	94
30) 1,2,4-Trichlorobenzene	7.96	180	160449	21.794	ng	98
31) Naphthalene	8.03	128	514084	21.111	ng	99
32) Benzoic acid	7.75	122	85933	17.353	ng	87
33) 4-Chloroaniline	8.08	127	142789	13.844	ng	98
34) Hexachlorobutadiene	8.16	225	91573	22.055	ng	98
35) Caprolactam	8.43	113	49102	20.347	ng	96
36) 4-Chloro-3-methylphenol	8.57	107	159245	21.001	ng	96
37) 2-Methylnaphthalene	8.73	142	352933	22.442	ng	98
38) 1-Methylnaphthalene	8.82	142	333892	21.918	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	162180	21.842	ng	98

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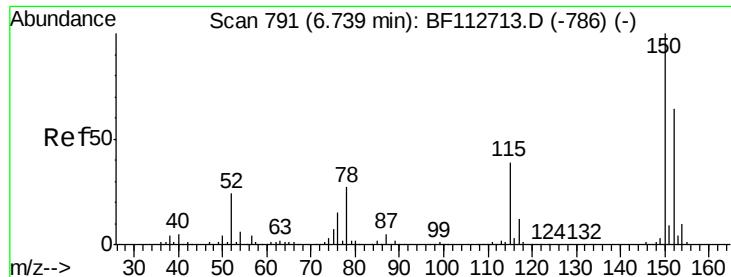
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.88	237	46845	11.521	nq	100
43) 2,4,6-Trichlorophenol	9.00	196	112368	21.989	nq	98
44) 2,4,5-Trichlorophenol	9.05	196	123930	22.437	nq	96
46) 1,1'-Biphenyl	9.19	154	448390	21.590	nq	98
47) 2-Chloronaphthalene	9.21	162	341578	21.063	nq	97
48) 2-Nitroaniline	9.30	65	107768	21.863	nq	90
49) Acenaphthylene	9.62	152	568924	20.665	nq	98
50) Dimethylphthalate	9.49	163	448781	23.904	nq	99
51) 2,6-Dinitrotoluene	9.55	165	86283	22.069	nq #	77
52) Acenaphthene	9.79	154	336024	20.872	nq	99
53) 3-Nitroaniline	9.71	138	93838	19.698	nq	97
54) 2,4-Dinitrophenol	9.82	184	15632	15.440	nq	98
55) Dibenzofuran	9.97	168	518433	22.156	nq	94
56) 4-Nitrophenol	9.87	139	157074	40.569	nq	93
57) 2,4-Dinitrotoluene	9.95	165	117859	24.252	nq #	87
58) Fluorene	10.31	166	394028	23.726	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.09	232	114340	24.847	nq	92
60) Diethylphthalate	10.18	149	405298	20.440	nq	100
61) 4-Chlorophenyl-phenylether	10.30	204	190738	24.685	nq	91
62) 4-Nitroaniline	10.32	138	99127	22.518	nq	93
63) Azobenzene	10.46	77	395410	19.469	nq	97
65) 4,6-Dinitro-2-methylphenol	10.36	198	12531	9.521	nq	81
66) n-Nitrosodiphenylamine	10.42	169	355344	19.727	nq	100
67) 4-Bromophenyl-phenylether	10.79	248	123779	20.923	nq	97
68) Hexachlorobenzene	10.86	284	146888	22.026	nq	93
69) Atrazine	10.95	200	115721	20.976	nq	97
70) Pentachlorophenol	11.05	266	142080	36.197	nq	99
71) Phenanthrene	11.26	178	614161	21.977	nq	99
72) Anthracene	11.32	178	642831	21.975	nq	98
73) Carbazole	11.47	167	597427	20.936	nq	98
74) Di-n-butylphthalate	11.80	149	727312	21.256	nq	100
75) Fluoranthene	12.45	202	617825	20.636	nq	97
77) Benzidine	12.57	184	233253	11.087	nq	99
78) Pyrene	12.67	202	618109	18.081	nq	98
80) Butylbenzylphthalate	13.29	149	289572	19.190	nq	95
81) Benzo(a)anthracene	13.86	228	504794	17.961	nq	98
82) 3,3'-Dichlorobenzidine	13.82	252	199573	18.775	nq #	98
83) Chrysene	13.89	228	514328	18.682	nq	97
84) Bis(2-ethylhexyl)phthalate	13.86	149	386050	21.811	nq	98
85) Di-n-octyl phthalate	14.46	149	690426	22.717	nq	96
86) Indeno(1,2,3-cd)pyrene	16.63	276	402278	17.140	nq	96
88) Benzo(b)fluoranthene	14.87	252	490990m	21.393	nq	
89) Benzo(k)fluoranthene	14.90	252	455864	21.928	nq	98
90) Benzo(a)pyrene	15.22	252	426769	21.022	nq #	96
91) Dibenzo(a,h)anthracene	16.64	278	348817	20.136	nq	96
92) Benzo(g,h,i)perylene	17.03	276	319058	18.342	nq	97

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



#1

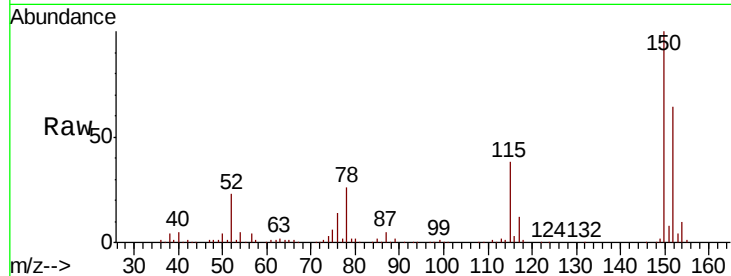
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.2	186.2
115	60.3	48.2	72.4

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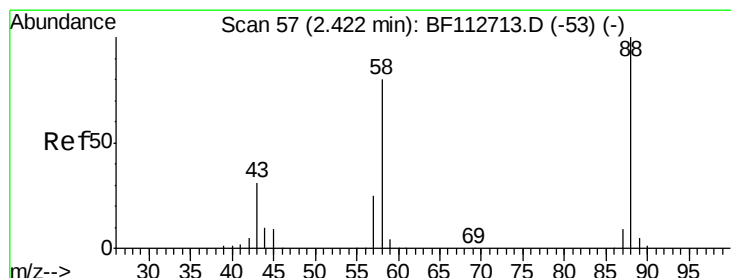
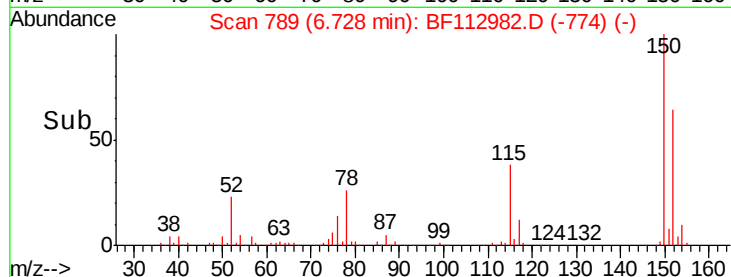
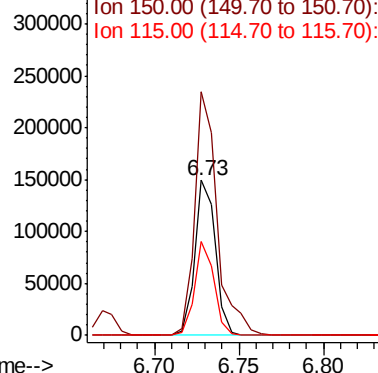


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

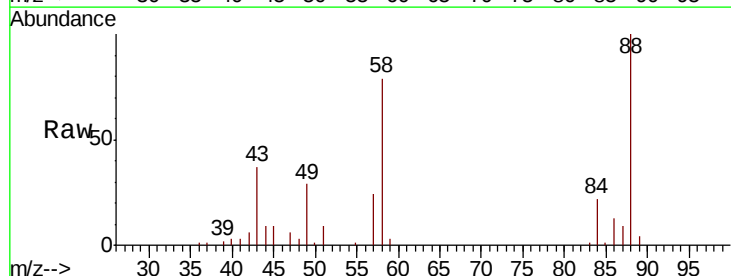
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 15.410 ng
RT: 2.38 min Scan# 50
Delta R.T. -0.04 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.5	63.1	94.7
43	27.5	24.3	36.5

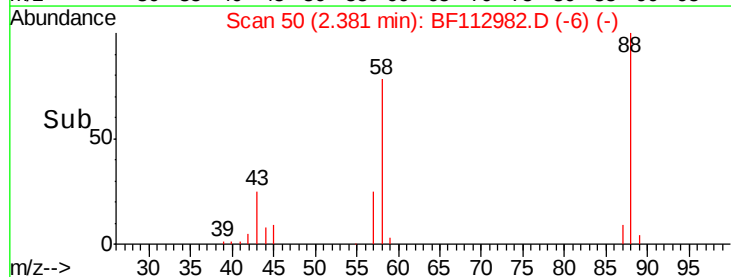
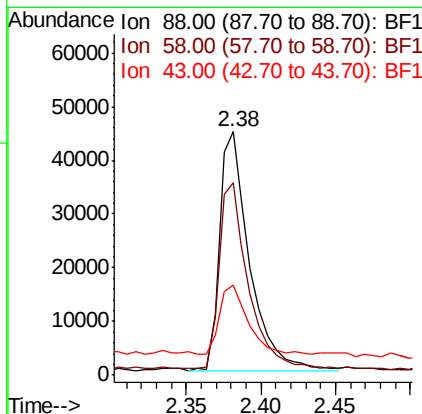


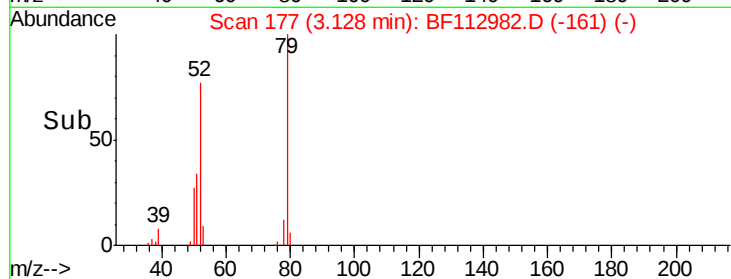
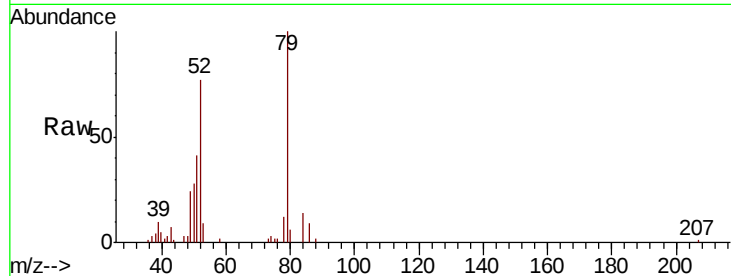
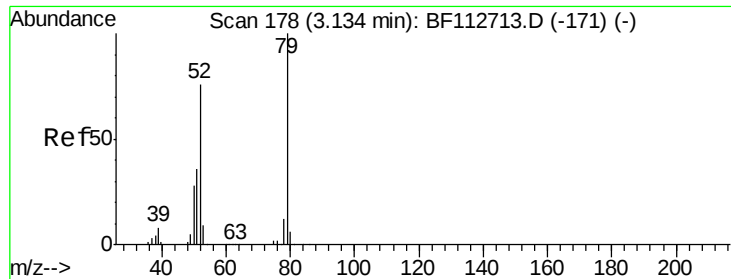
Abundance

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





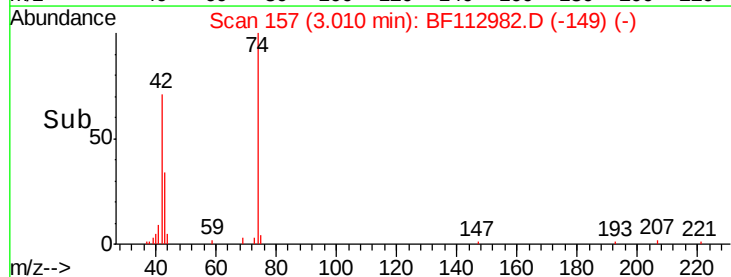
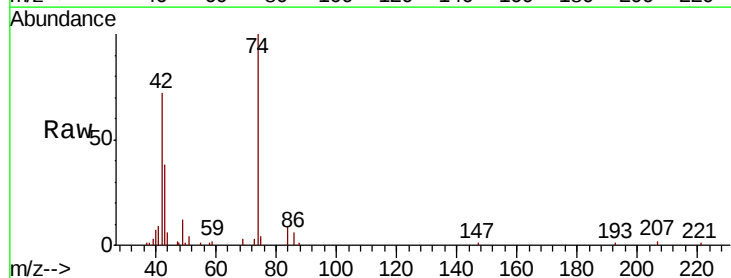
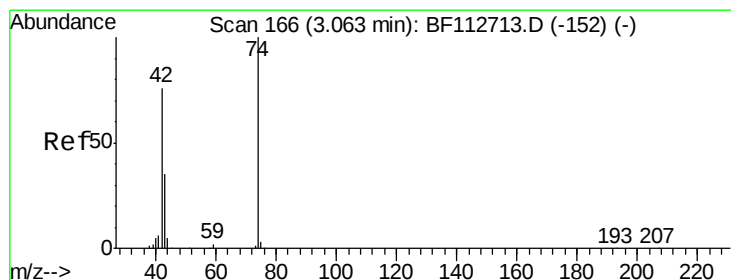
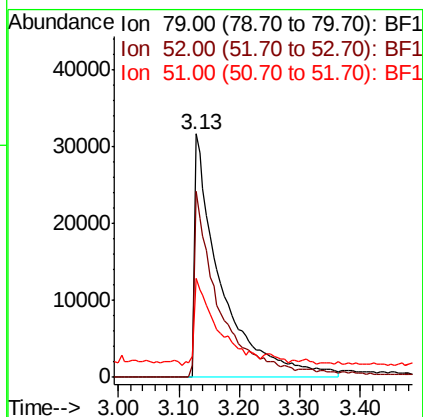
#3
Pvridine
Concen: 8.745 ng
RT: 3.13 min Scan# 177
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	76.6		60.5	90.7
51	40.9		28.8	43.2

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

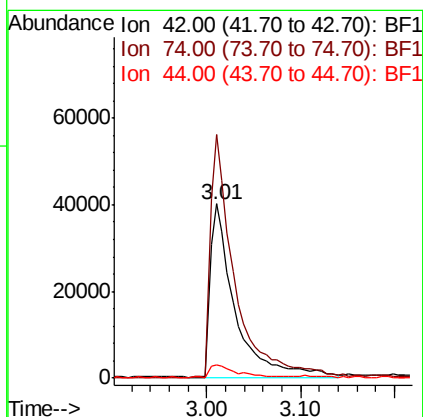
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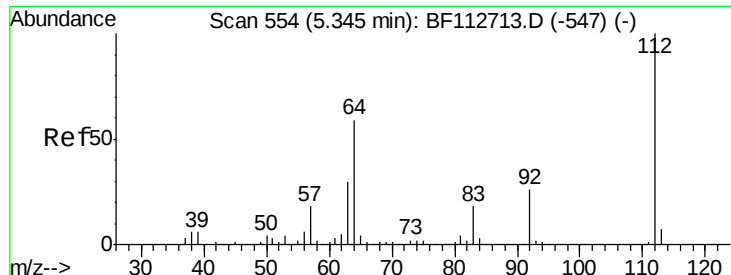
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#4
n-Nitrosodimethylamine
Concen: 15.741 ng
RT: 3.01 min Scan# 157
Delta R.T. -0.05 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	139.8		105.8	158.8
44	7.8		6.2	9.2





#5

2-Fluorophenol

Concen: 58.995 ng

RT: 5.34 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

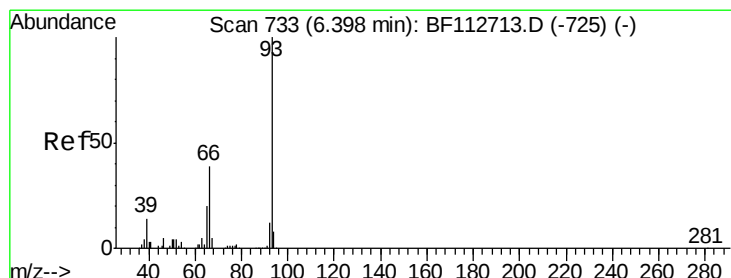
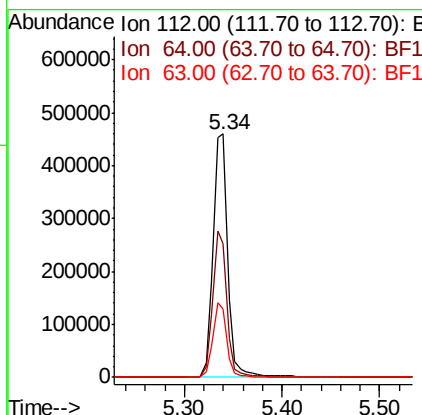
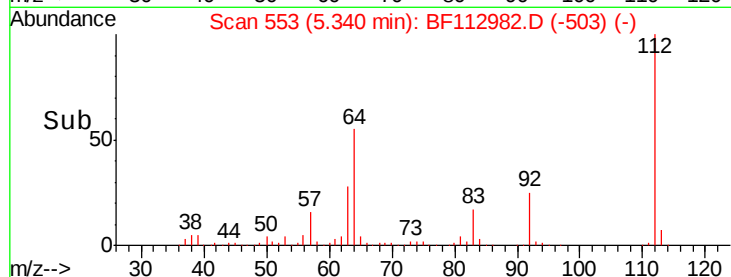
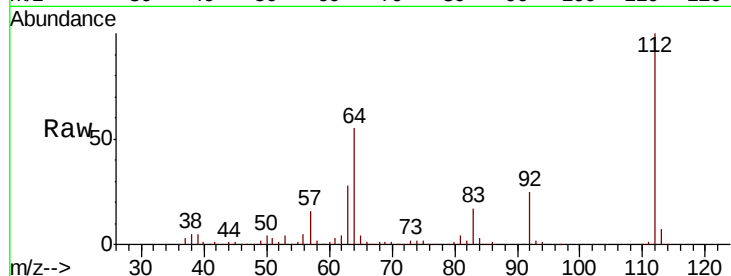
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	112	Resp:	481931
Ion Ratio	Lower	Upper	
112	100		
64	55.1	47.6	71.4
63	27.9	24.4	36.6

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#6

Aniline

Concen: 11.294 ng

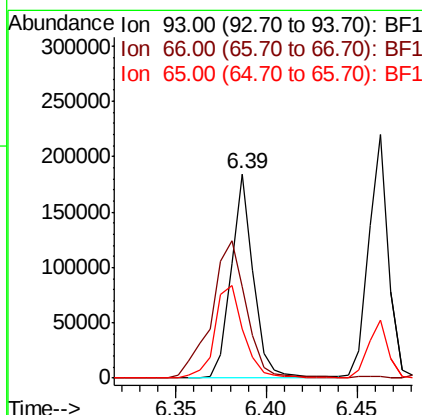
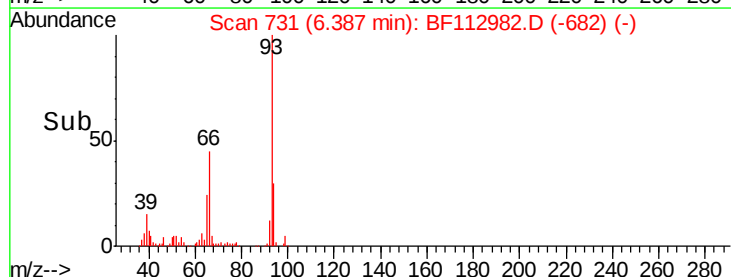
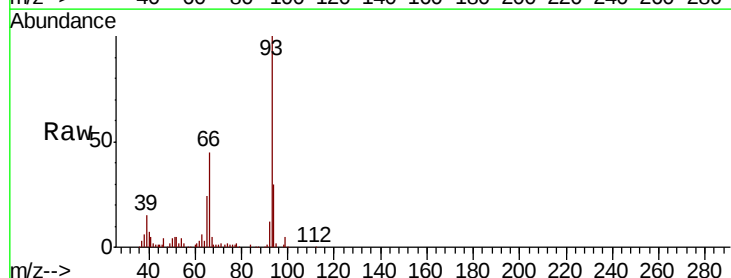
RT: 6.39 min Scan# 731

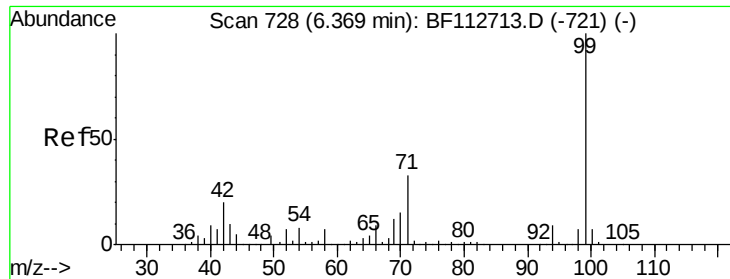
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	93	Resp:	159523
Ion Ratio	Lower	Upper	
93	100		
66	44.6	32.2	48.2
65	24.1	16.2	24.4





#7

Phenol-d6

Concen: 63.452 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

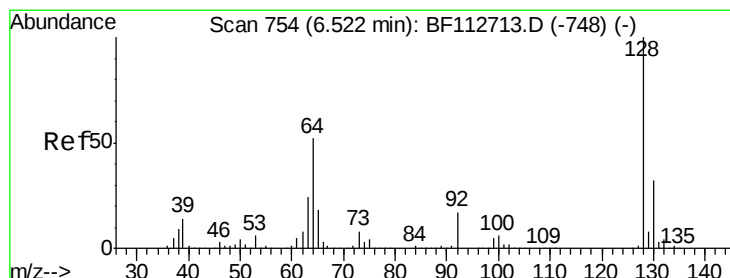
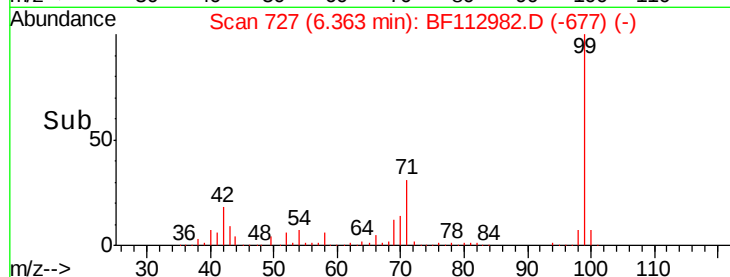
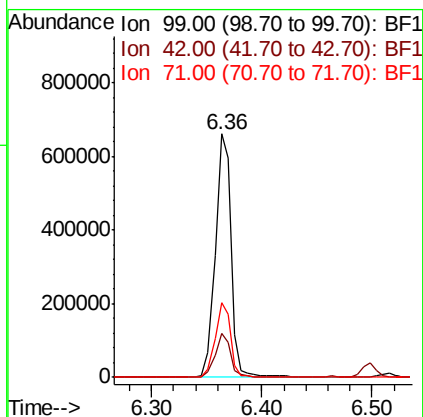
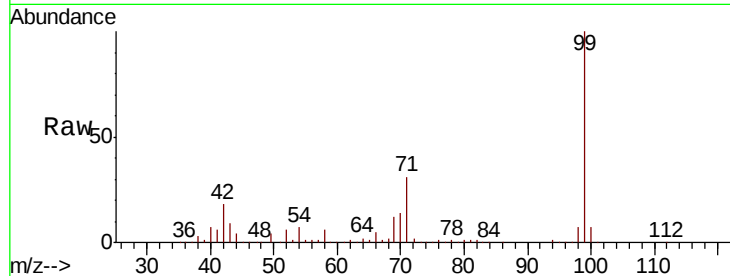
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	99	Resp:	651122
Ion Ratio	Lower	Upper	
99	100		
42	18.1	16.3	24.5
71	30.6	26.2	39.4

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#8

2-Chlorophenol

Concen: 19.428 ng

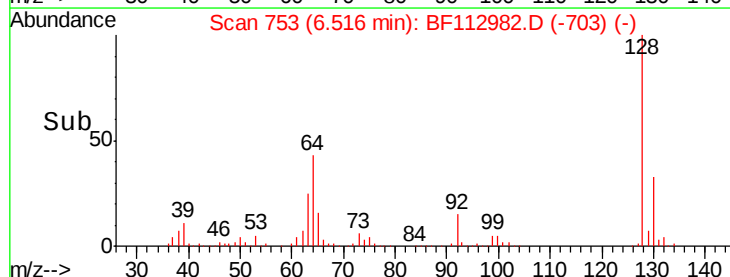
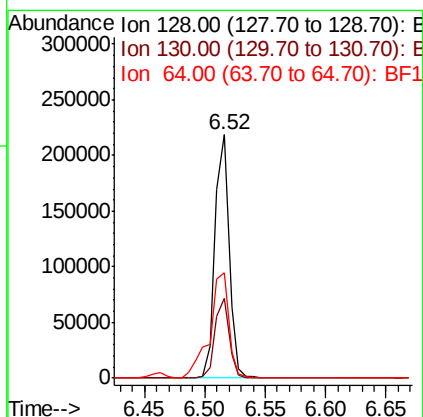
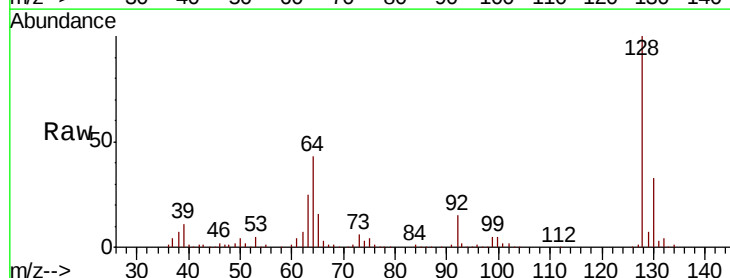
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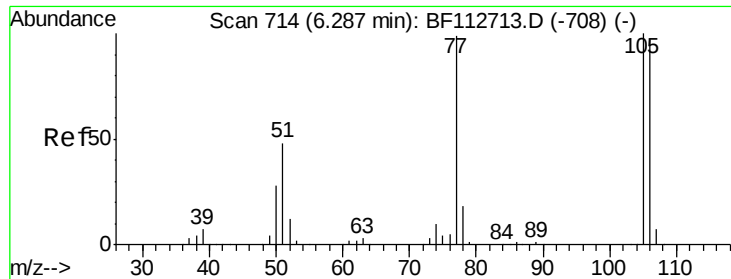
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	128	Resp:	176666
Ion Ratio	Lower	Upper	
128	100		
130	32.5	12.4	52.4
64	43.4	32.2	72.2





#9

Benzaldehyde

Concen: 11.691 ng

RT: 6.27 min Scan# 711

Delta R.T. -0.02 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

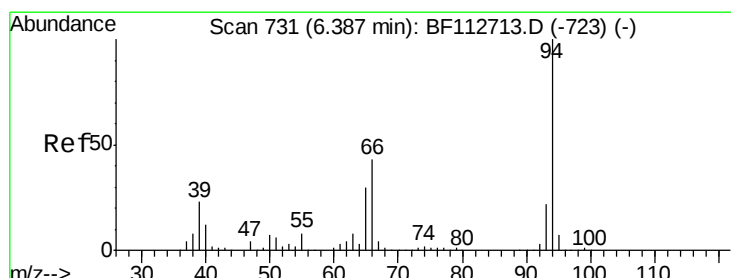
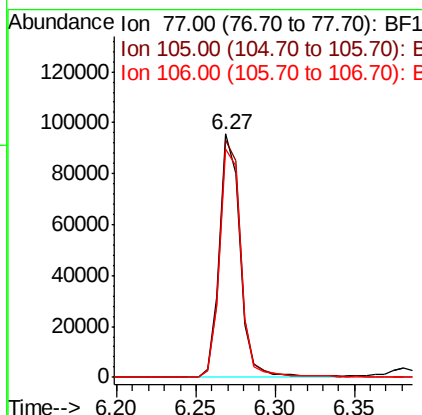
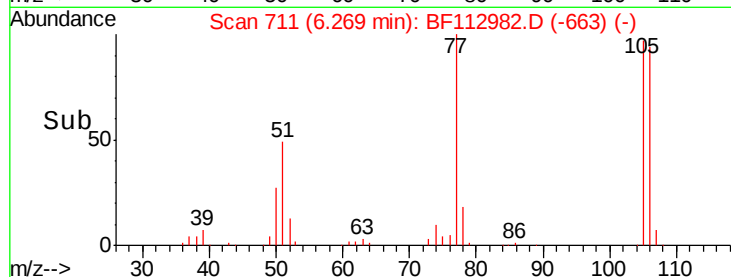
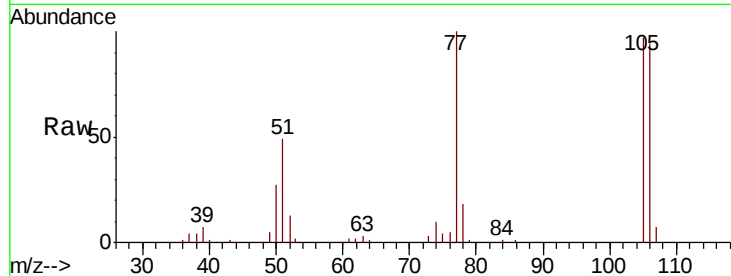
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	77	Resp:	86440
Ion Ratio	Lower	Upper	
77	100		
105	97.3	81.4	121.4
106	93.6	78.3	118.3

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#10

Phenol

Concen: 19.469 ng

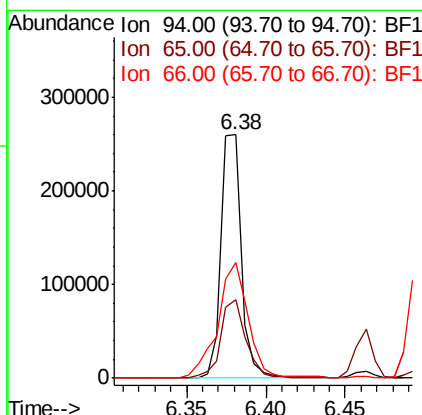
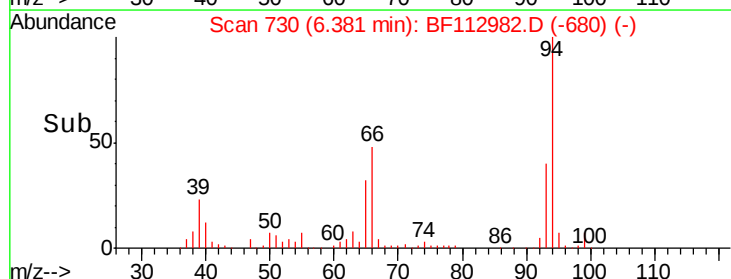
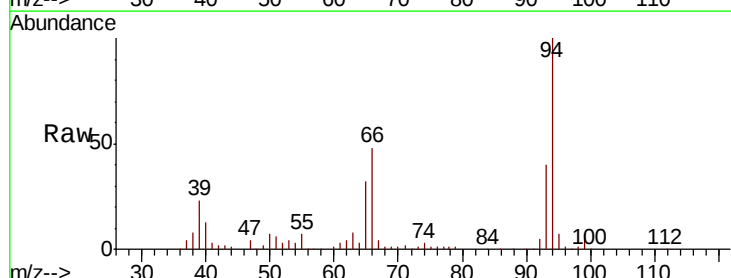
RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	94	Resp:	233134
Ion Ratio	Lower	Upper	
94	100		
65	32.0	10.5	50.5
66	47.6	22.6	62.6





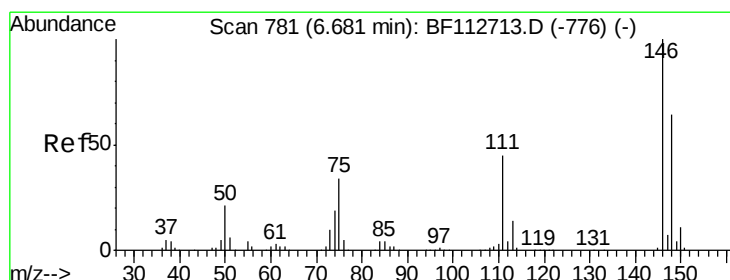
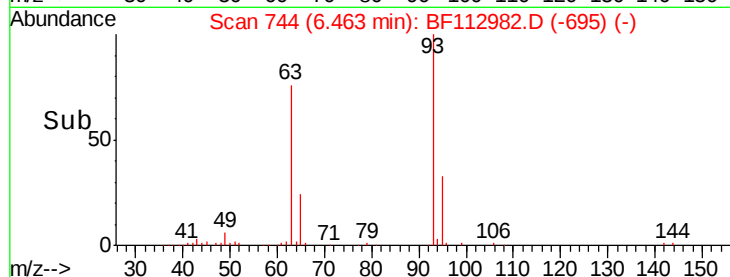
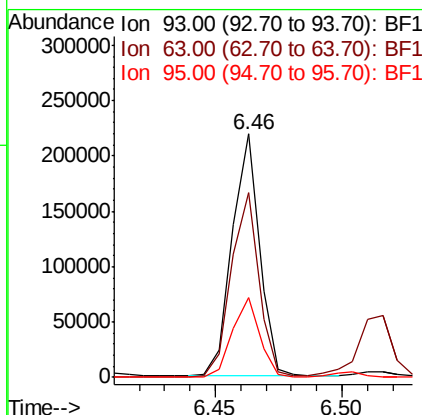
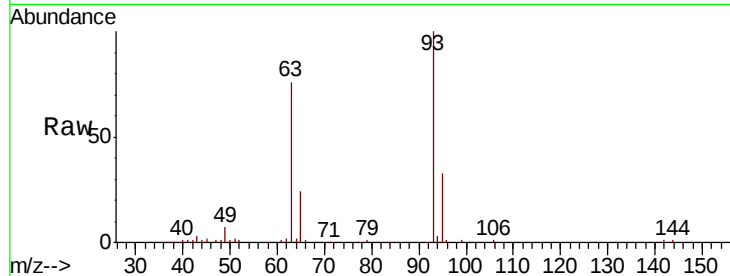
#11
bis(2-Chloroethyl)ether
Concen: 17.880 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	164338		
63	75.6	60.5	100.5	
95	32.6	12.1	52.1	

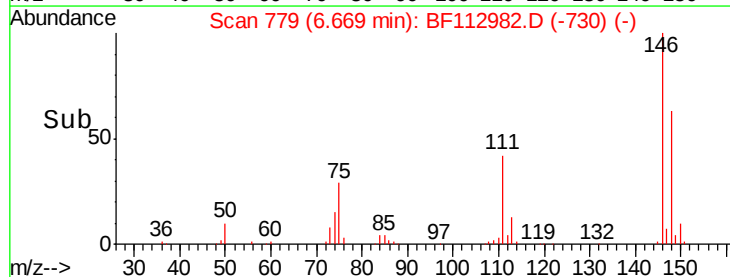
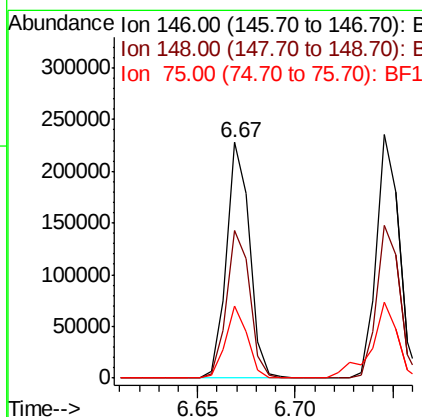
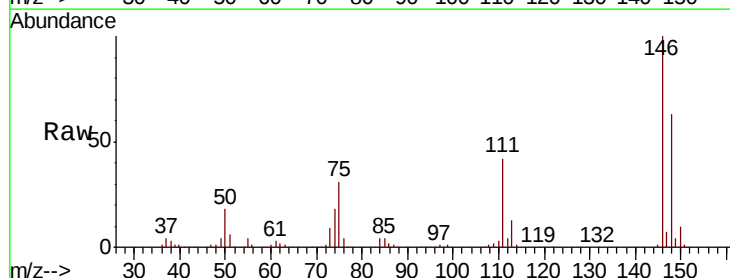
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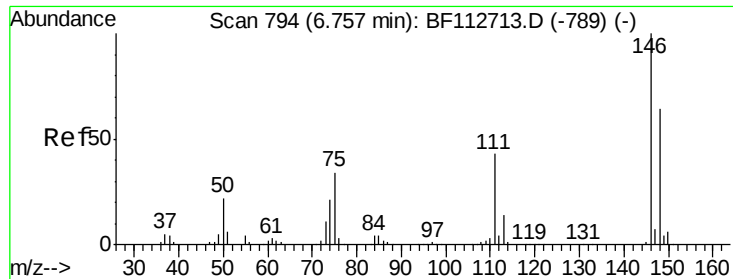
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#12
1,3-Dichlorobenzene
Concen: 19.974 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187635		
148	62.9	50.9	76.3	
75	30.8	26.9	40.3	





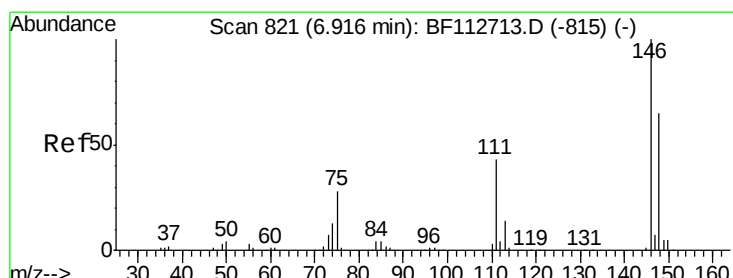
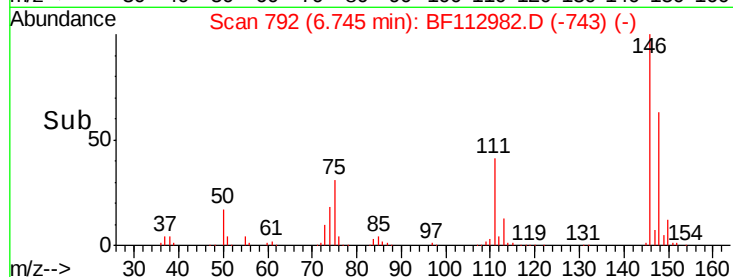
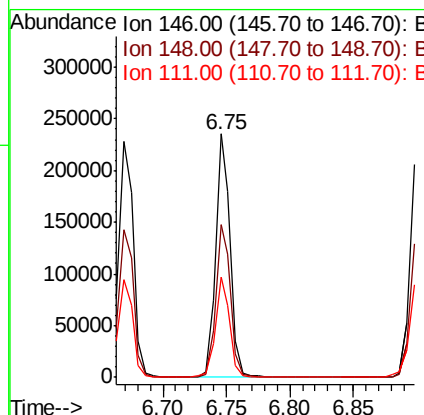
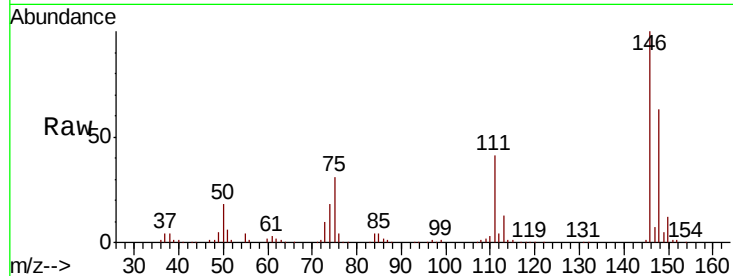
#13
1,4-Dichlorobenzene
Concen: 20.328 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.0	76.4
111	41.1	34.5	51.7

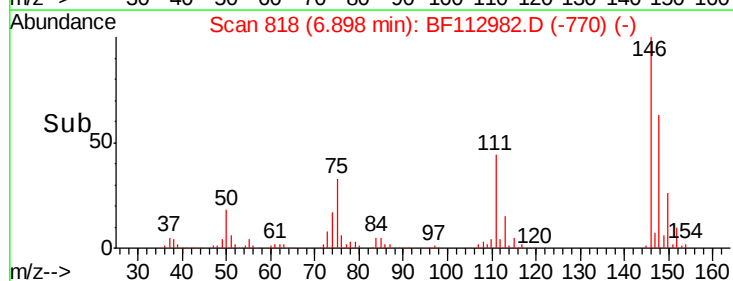
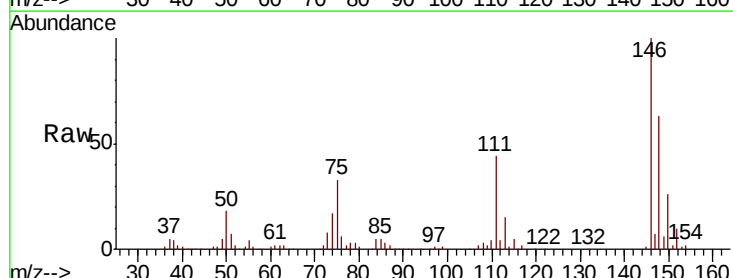
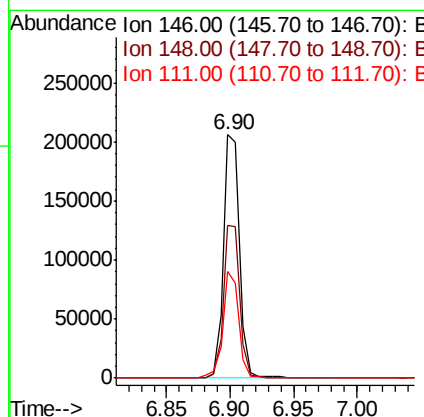
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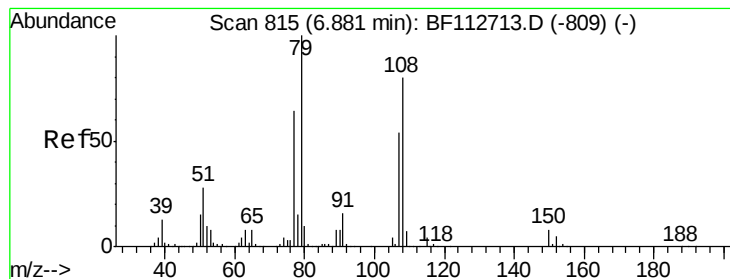
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#14
1,2-Dichlorobenzene
Concen: 21.229 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	52.0	78.0
111	43.6	34.8	52.2





#15

Benzyl Alcohol

Concen: 18.757 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

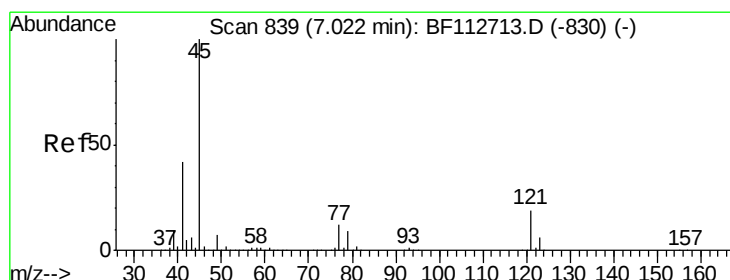
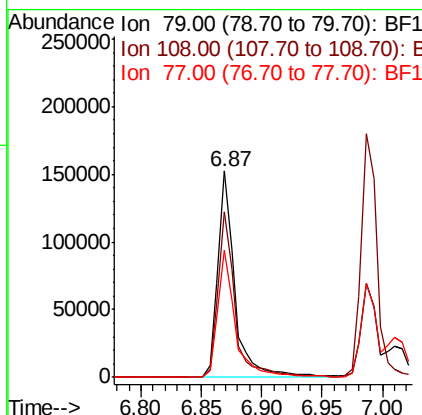
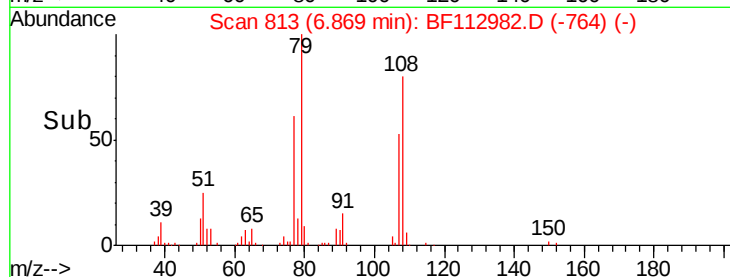
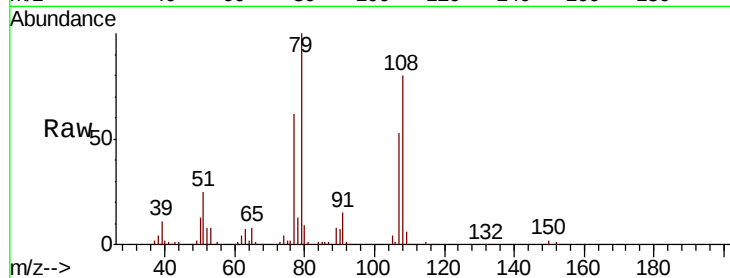
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	79	Resp:	146771
Ion Ratio	Lower	Upper	
79	100		
108	80.2	64.2	96.4
77	61.5	51.1	76.7

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#16

2,2'-oxybis(1-chloropropane)

Concen: 17.499 ng

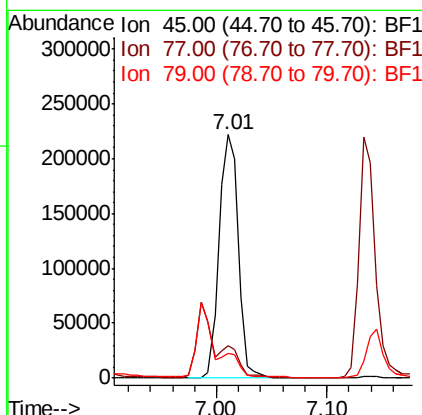
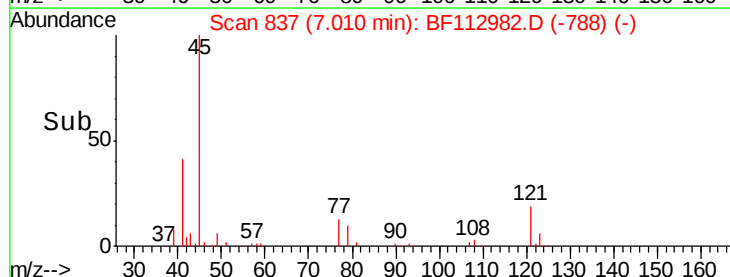
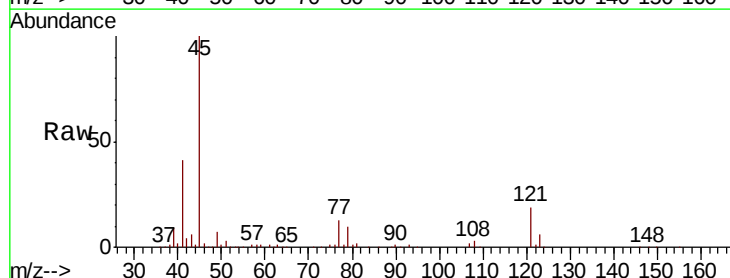
RT: 7.01 min Scan# 837

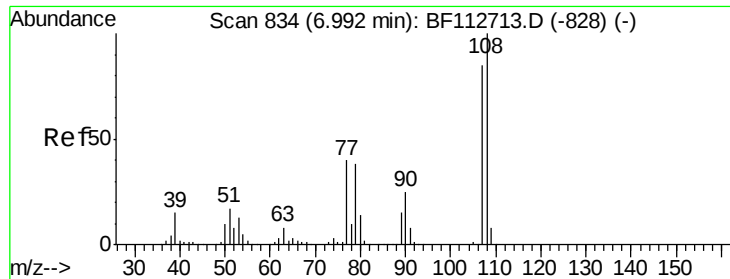
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	45	Resp:	268407
Ion Ratio	Lower	Upper	
45	100		
77	13.4	0.0	32.1
79	10.3	0.0	29.4





#17

2-Methylphenol

Concen: 18.754 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

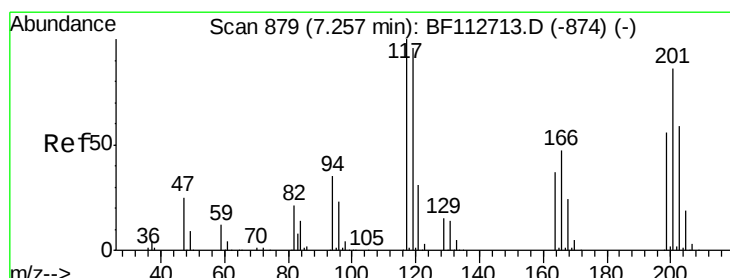
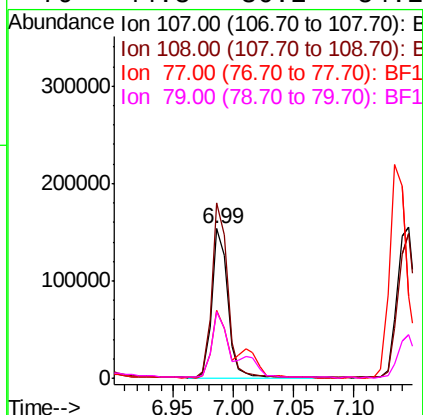
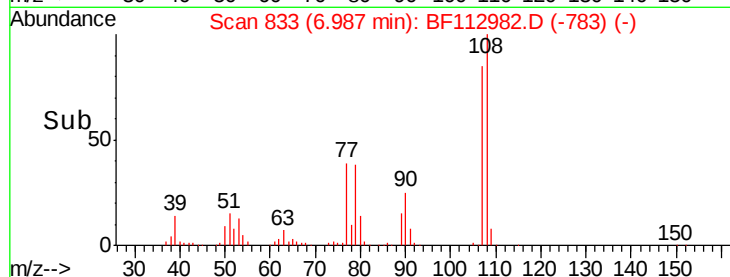
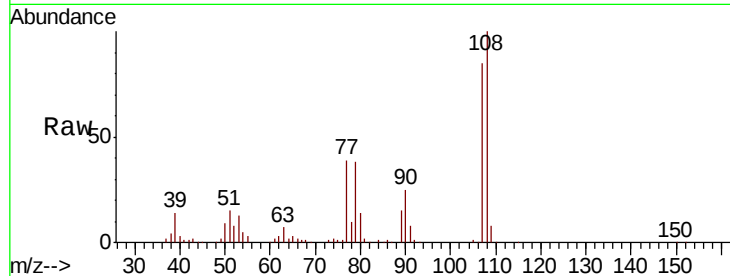
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	117.0	94.6	142.0	
77	45.4	37.8	56.8	
79	44.8	36.2	54.2	

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#18

Hexachloroethane

Concen: 16.254 ng

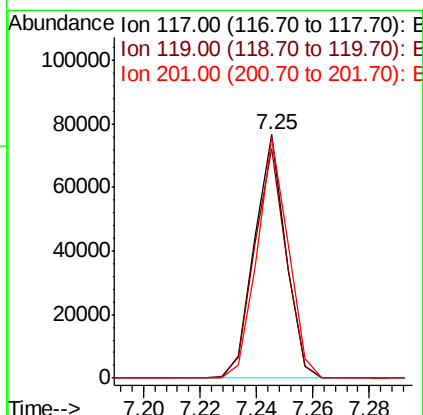
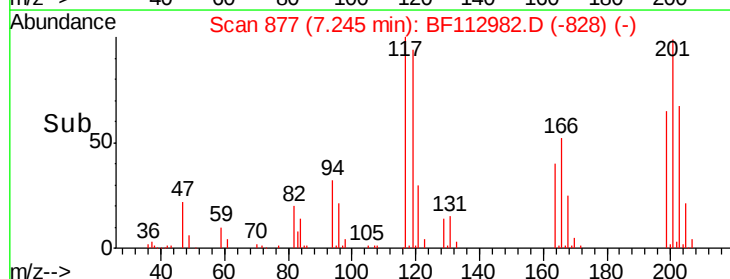
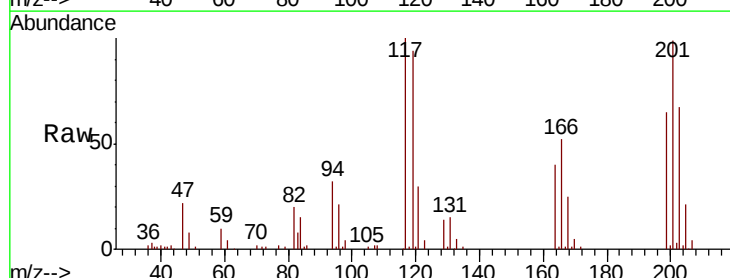
RT: 7.25 min Scan# 877

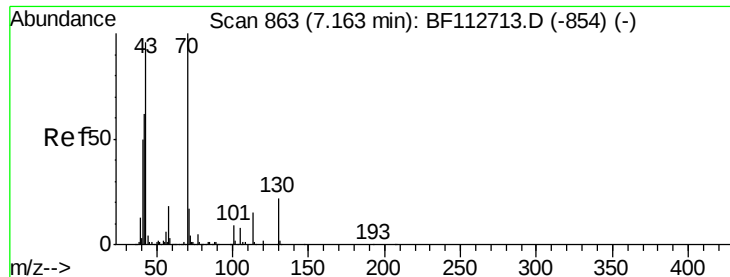
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.1	76.6	115.0	
201	98.8	68.9	103.3	





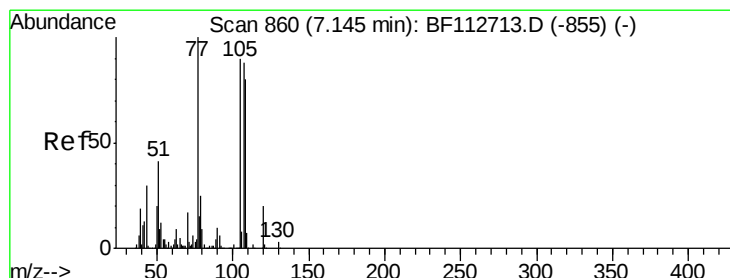
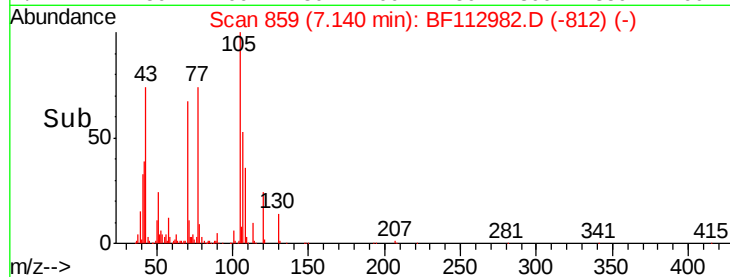
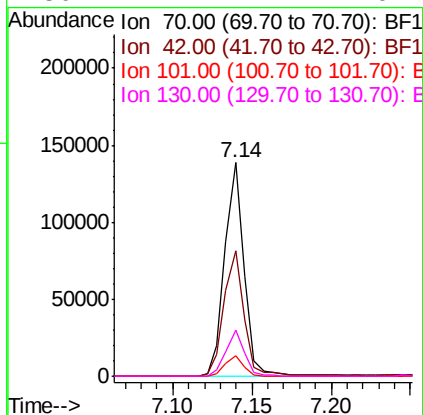
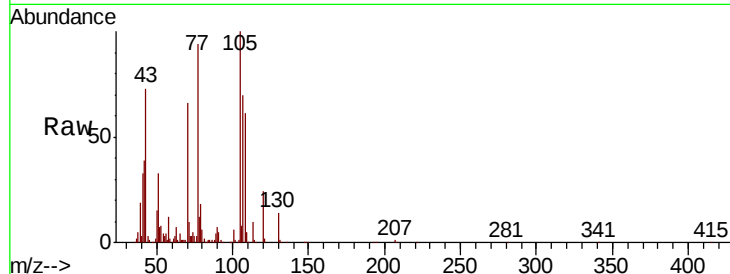
#19
n-Nitroso-di-n-propylamine
Concen: 18.291 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	58.6	49.9	74.9	
101	9.4	7.4	11.2	
130	21.4	17.4	26.2	

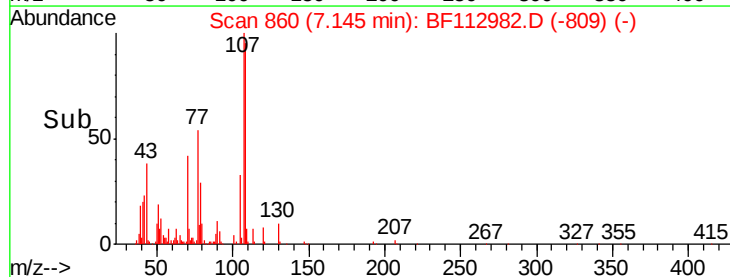
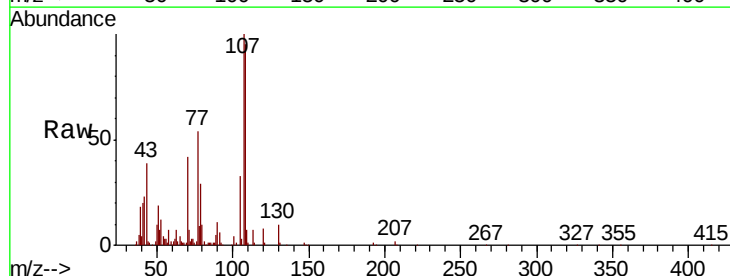
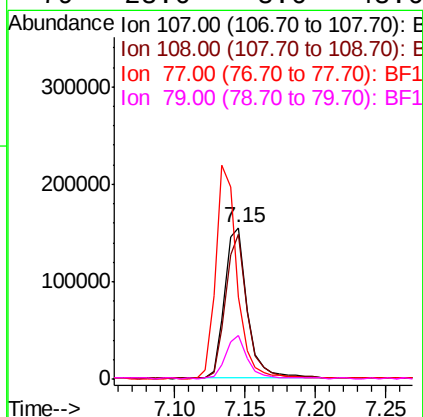
Manual Integrations
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#20
3+4-Methylphenols
Concen: 21.068 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	95.3	71.4	111.4	
77	54.3	94.1	134.1#	
79	28.6	8.6	48.6	





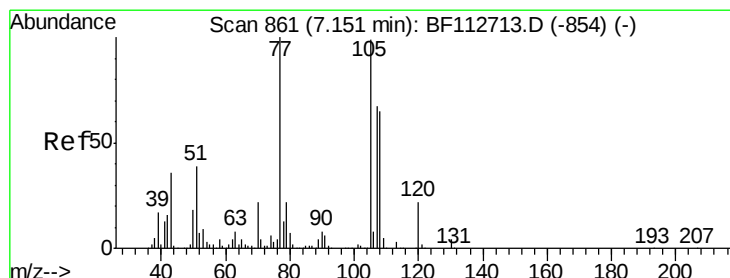
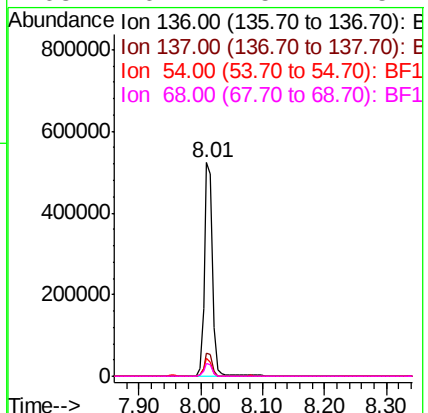
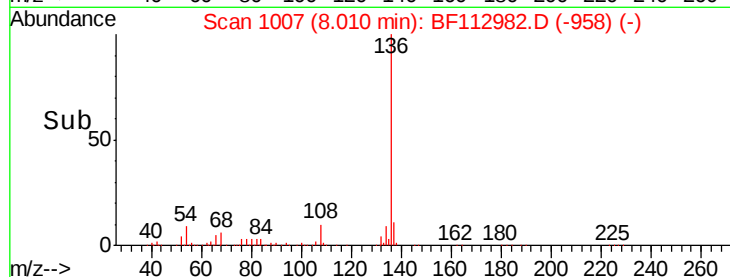
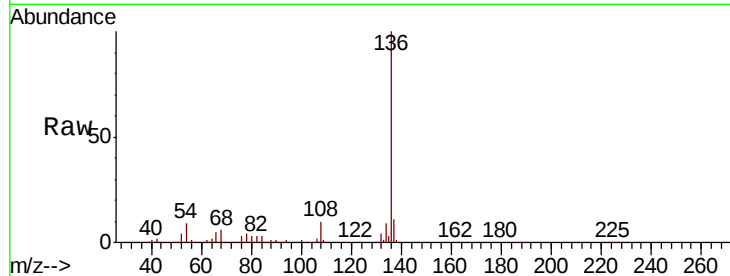
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	490496		
137	11.0	8.9	13.3	
54	8.6	7.3	10.9	
68	6.2	5.4	8.2	

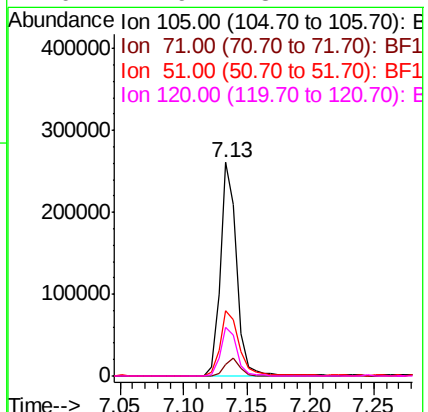
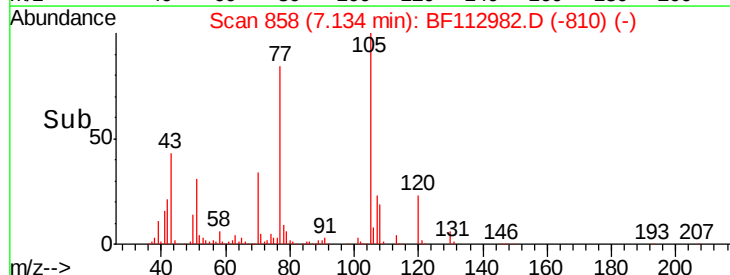
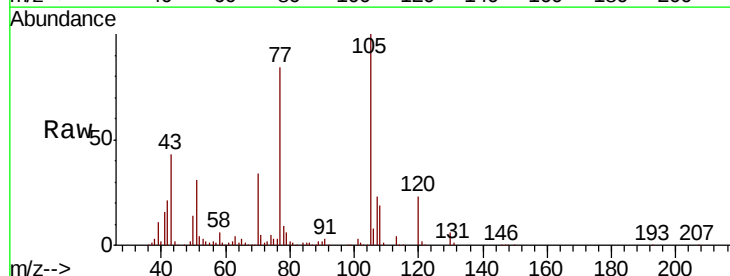
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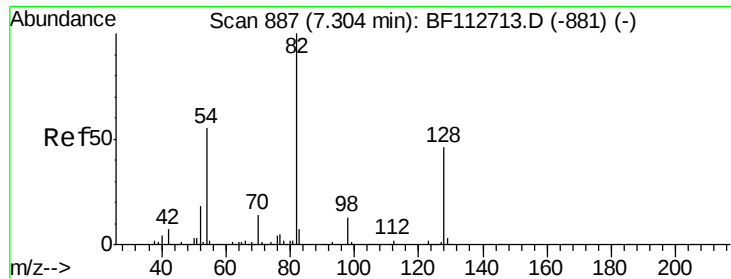
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#22
Acetophenone
Concen: 20.545 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235633		
71	5.3	3.0	4.4#	
51	30.7	31.5	47.3#	
120	22.9	18.1	27.1	





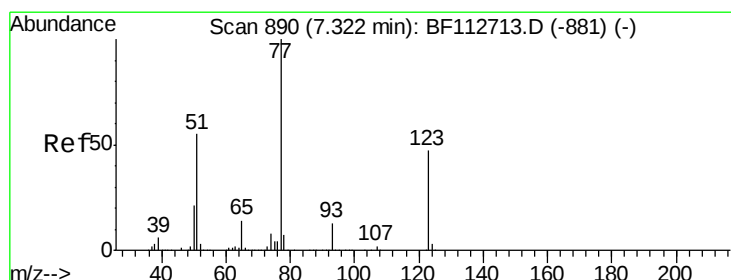
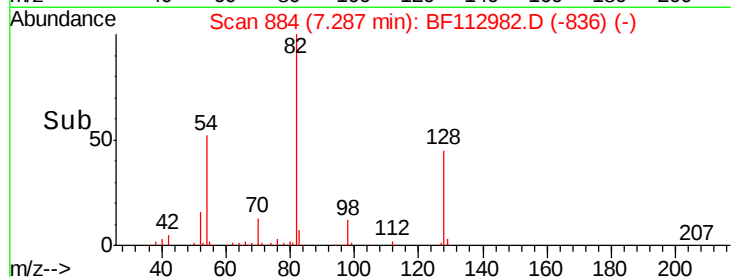
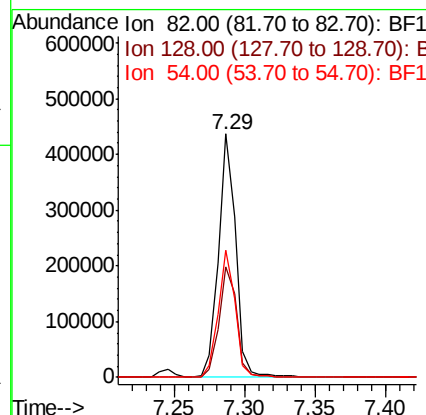
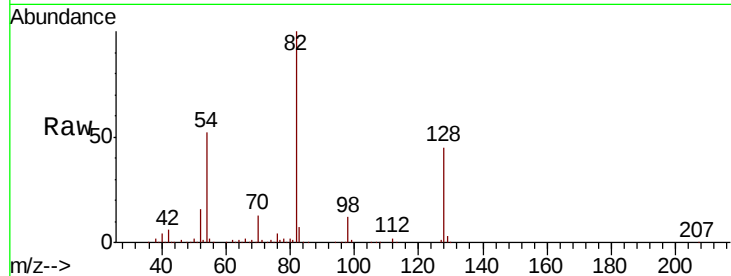
#23
Nitrobenzene-d5
Concen: 45.459 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.3	54.5
54	52.5	43.7	65.5

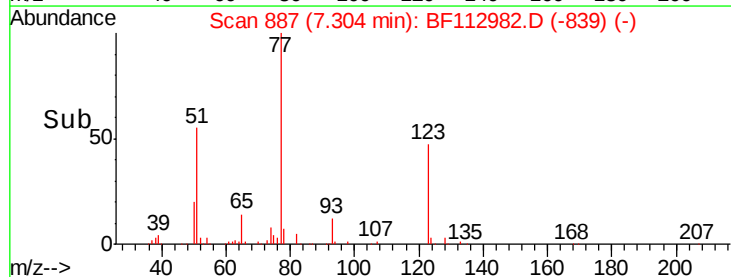
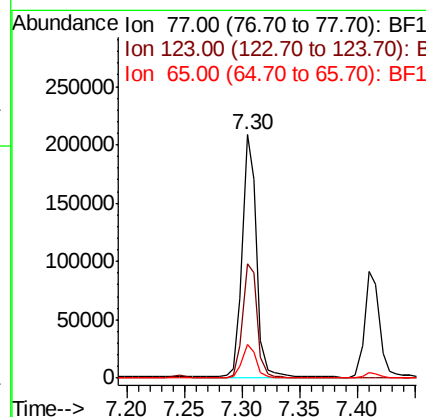
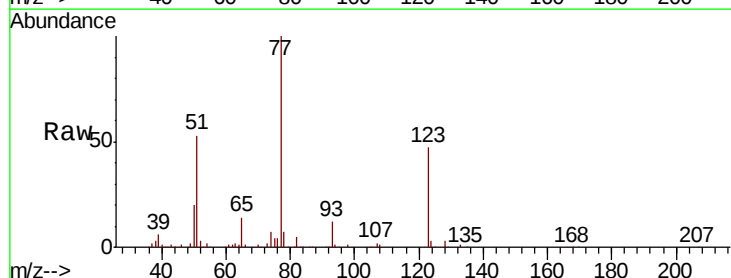
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#24
Nitrobenzene
Concen: 19.592 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.8	56.6
65	13.6	11.1	16.7





#25

Isophorone

Concen: 18.758 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

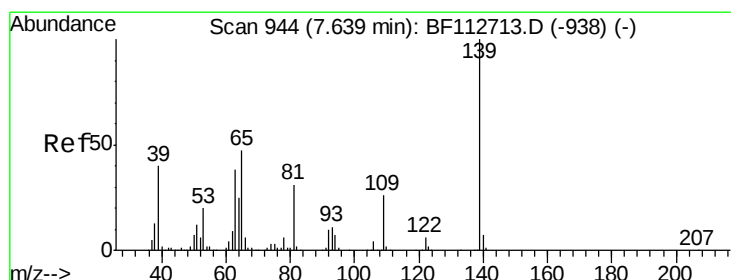
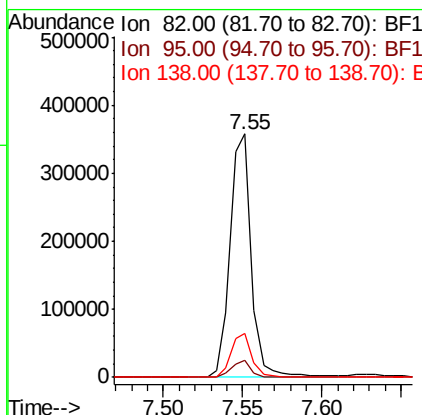
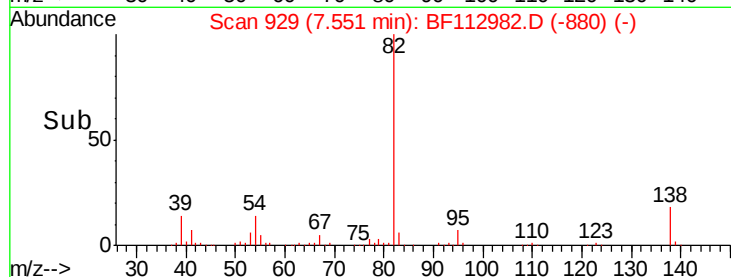
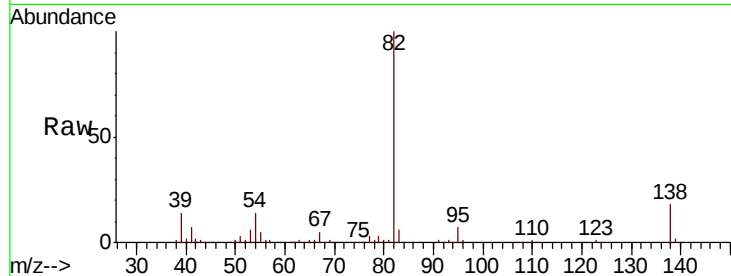
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	82	Resp:	331260
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.2	7.8
138	18.3	13.8	20.8

Manual Integrations
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#26

2-Nitrophenol

Concen: 21.659 ng

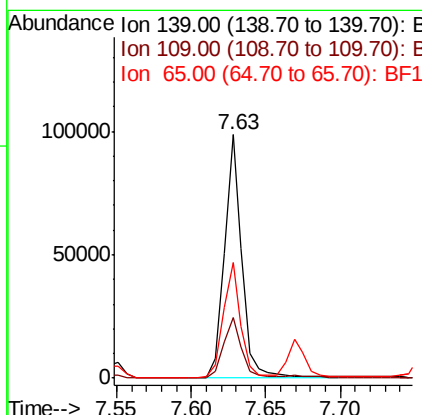
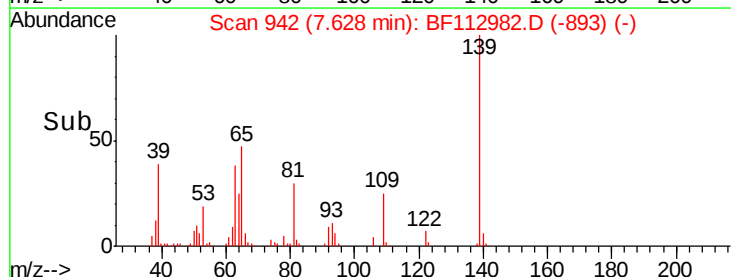
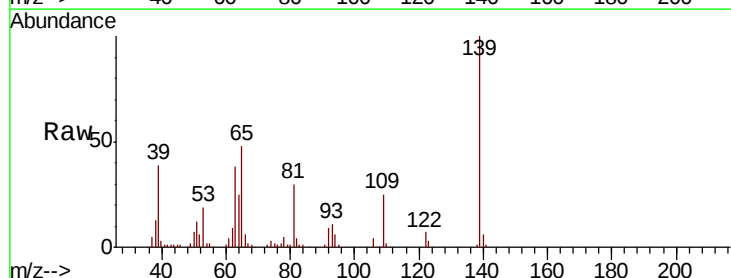
RT: 7.63 min Scan# 942

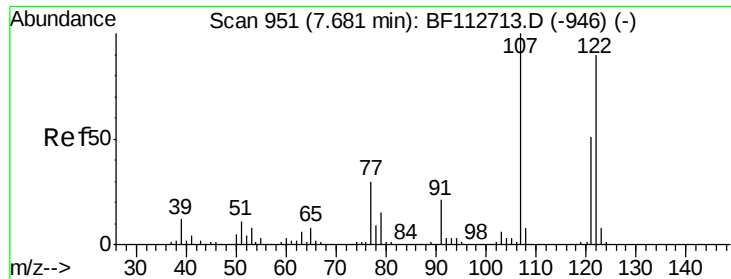
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	139	Resp:	82258
Ion Ratio	Lower	Upper	
139	100		
109	24.7	20.6	31.0
65	47.5	37.9	56.9





#27

2,4-Dimethylphenol

Concen: 20.388 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

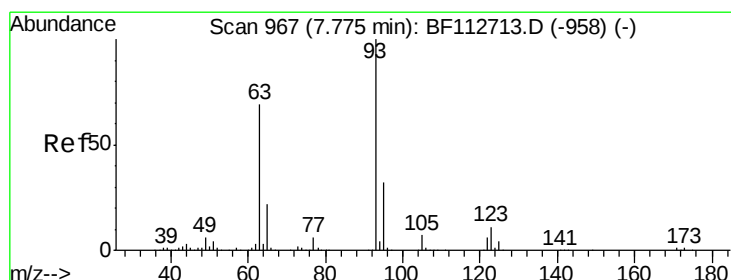
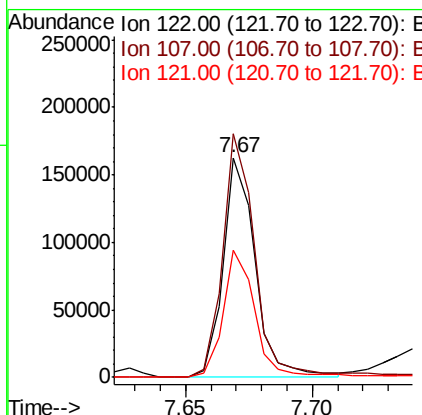
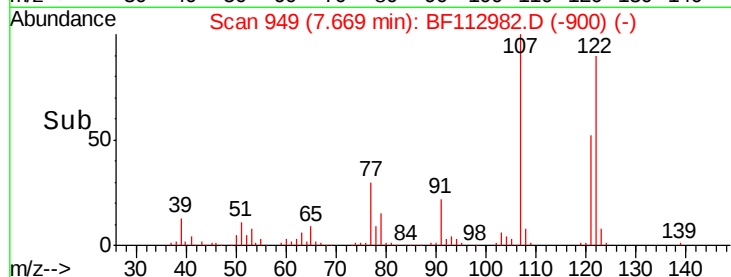
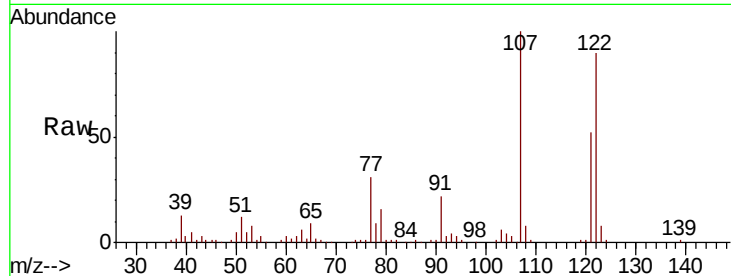
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	144052		
107	110.8	89.4	134.0	
121	57.7	45.5	68.3	

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#28

bis(2-Chloroethoxy)methane

Concen: 18.902 ng

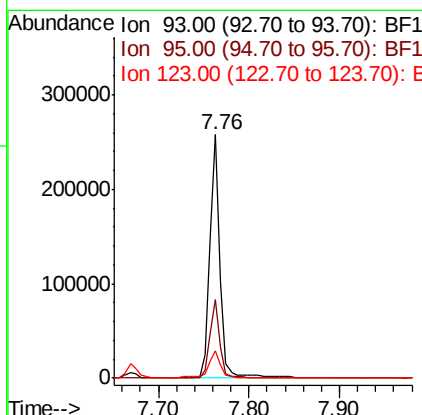
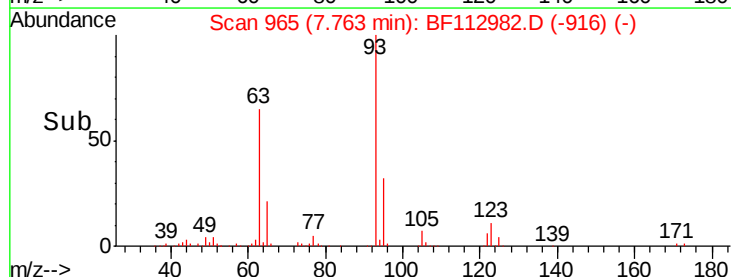
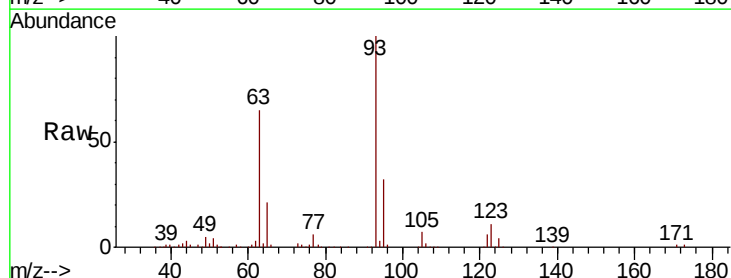
RT: 7.76 min Scan# 965

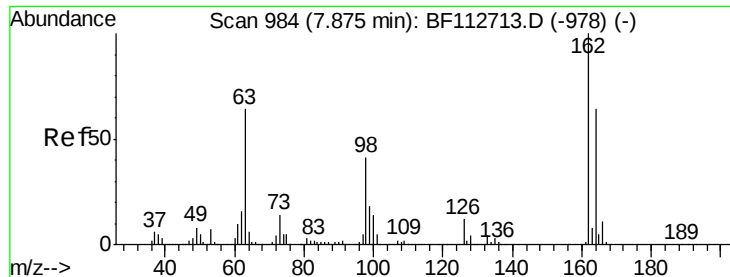
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	208693		
95	32.3	26.0	39.0	
123	11.4	9.3	13.9	





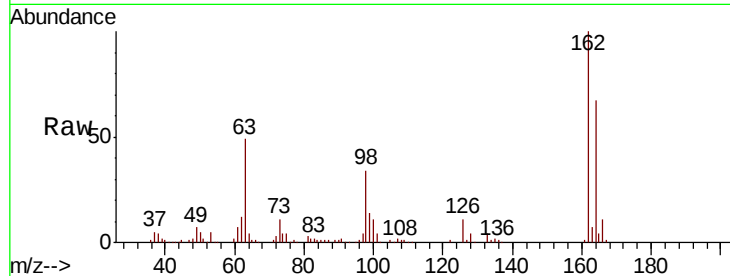
#29
2,4-Dichlorophenol
Concen: 21.623 ng
RT: 7.87 min Scan# 984
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	66.7	44.0	84.0	
98	34.5	20.7	60.7	

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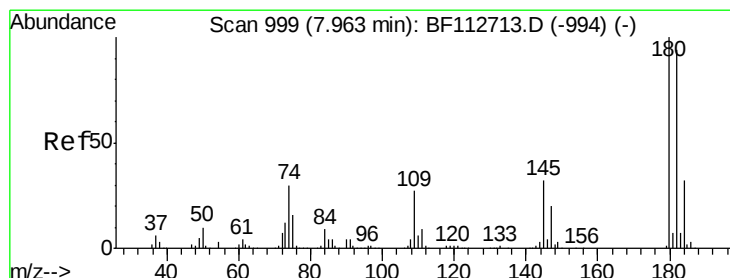
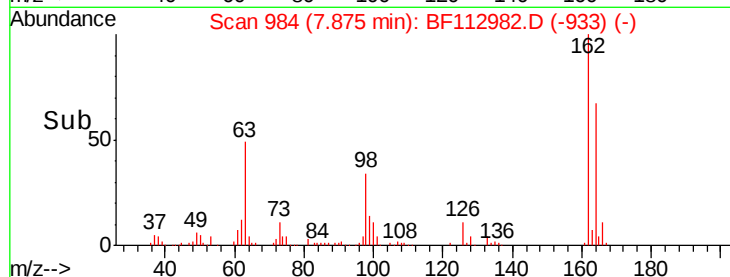
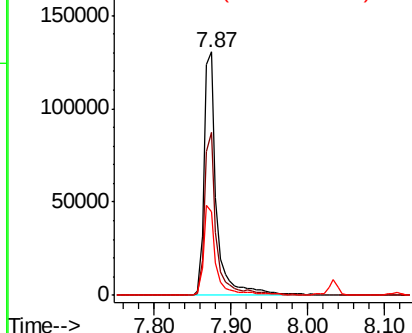


Abundance

Ion 162.00 (161.70 to 162.70): E

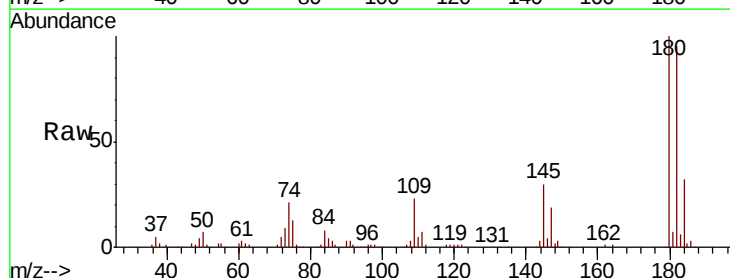
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 21.794 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	75.2	112.8	
145	30.1	25.4	38.0	

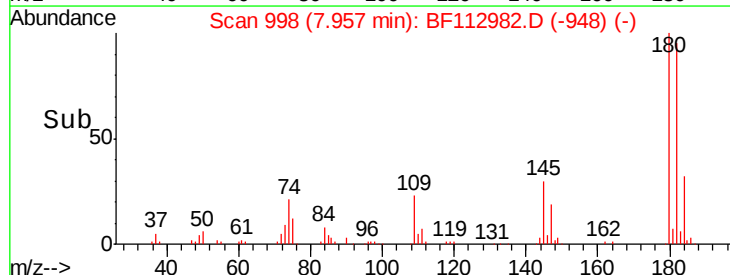
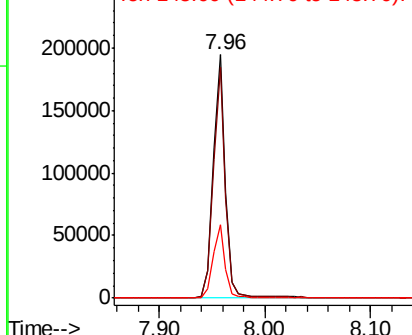


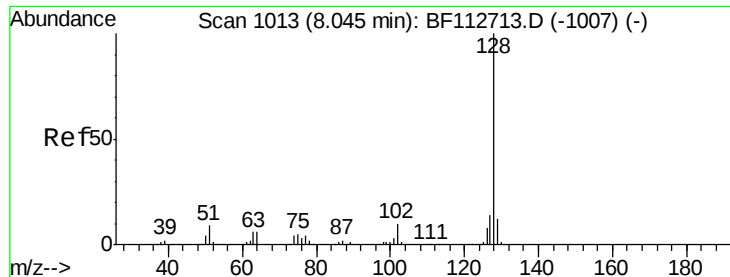
Abundance

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





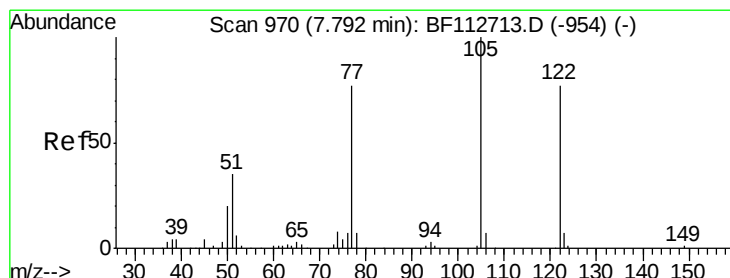
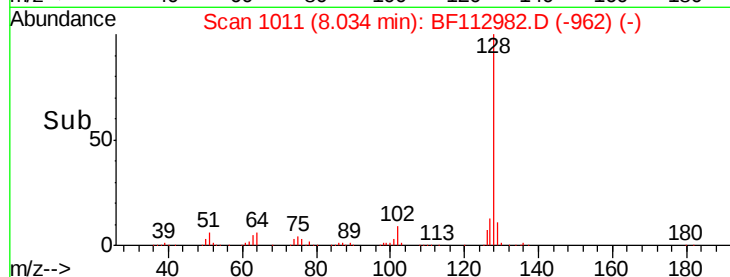
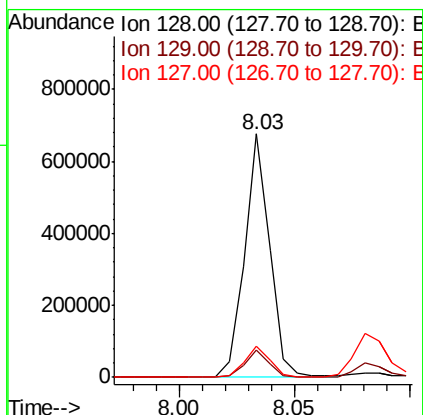
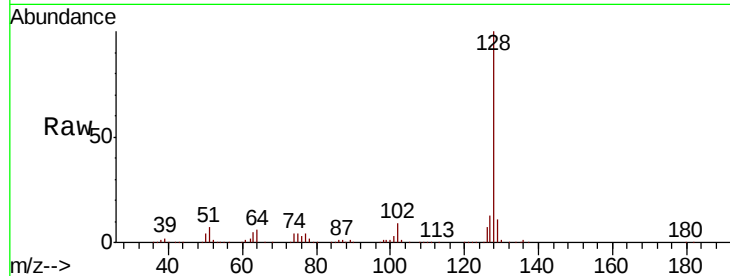
#31
Naphthalene
Concen: 21.111 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	9.3	13.9	
127	13.0	10.9	16.3	

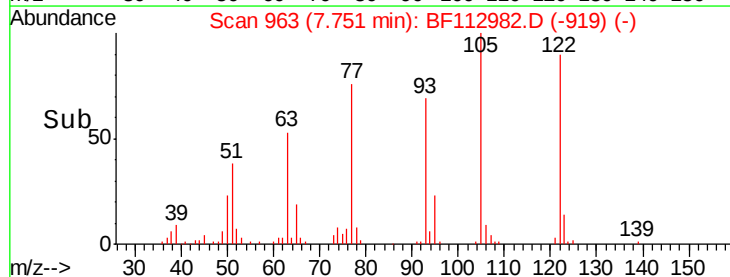
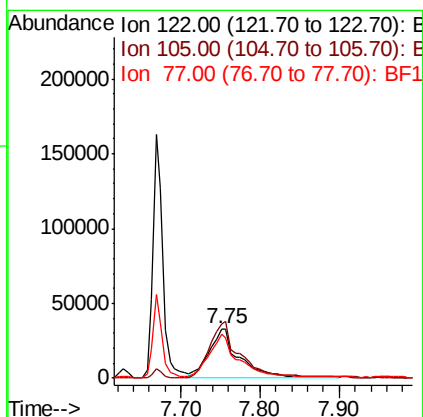
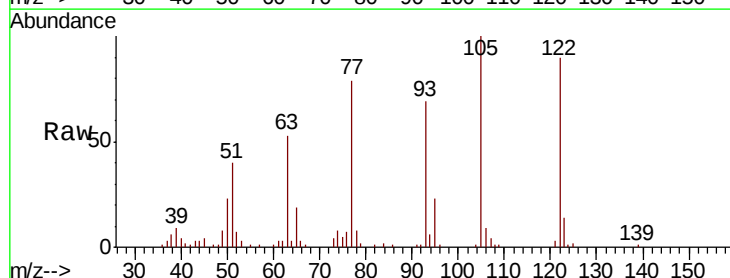
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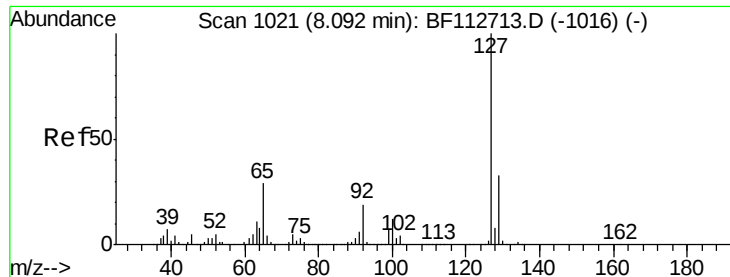
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#32
Benzoic acid
Concen: 17.353 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.04 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	110.8	106.8	146.8	
77	87.9	79.4	119.4	





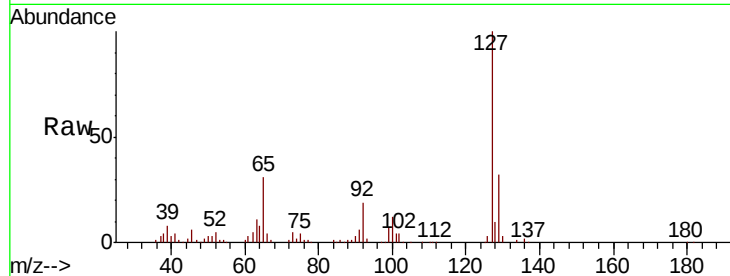
#33
4-Chloroaniline
Concen: 13.844 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

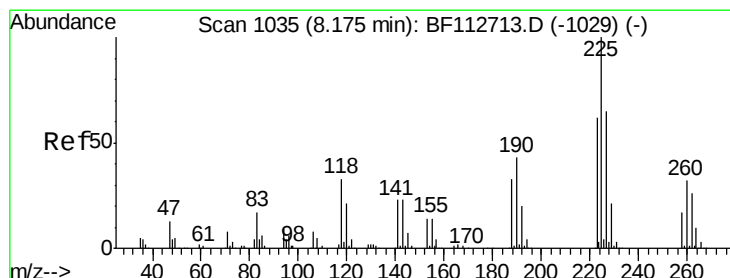
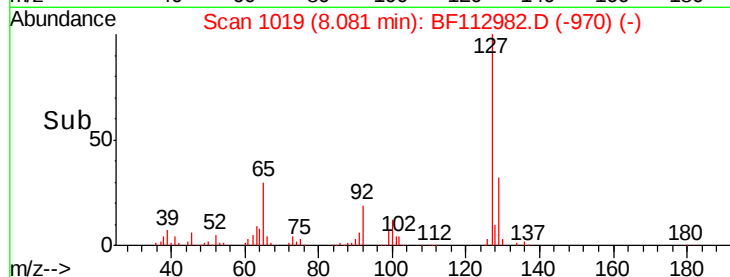
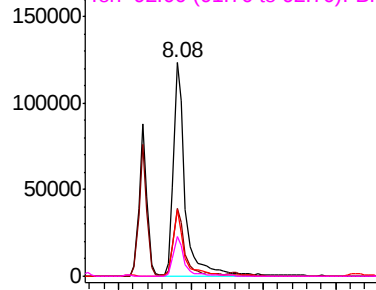
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.0	26.4	39.6		
65	31.0	23.1	34.7		
92	18.6	14.9	22.3		

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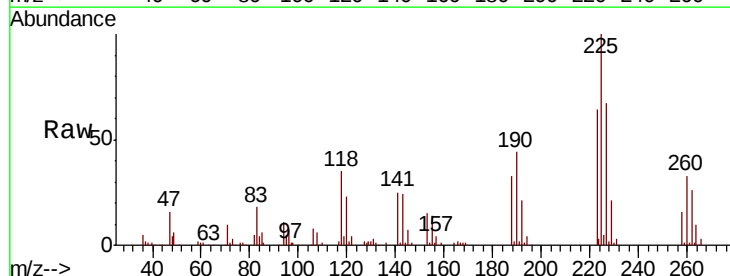


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

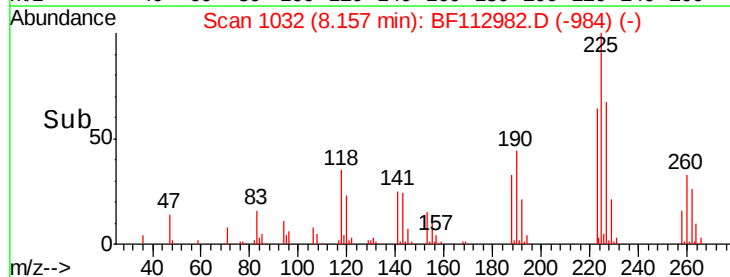
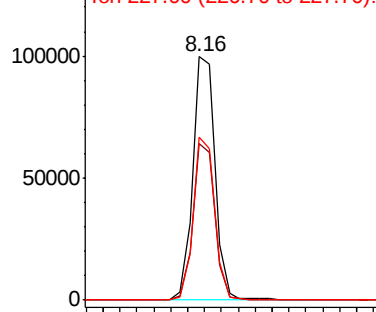


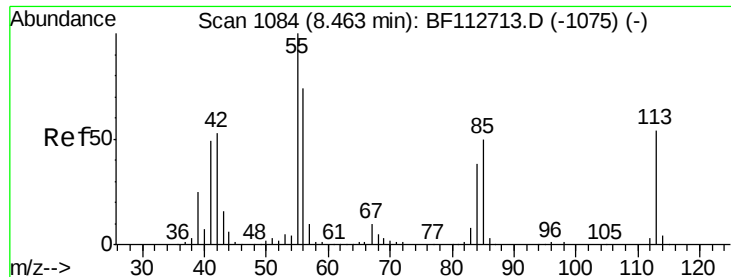
#34
Hexachlorobutadiene
Concen: 22.055 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.2	49.7	74.5		
227	66.8	52.1	78.1		



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





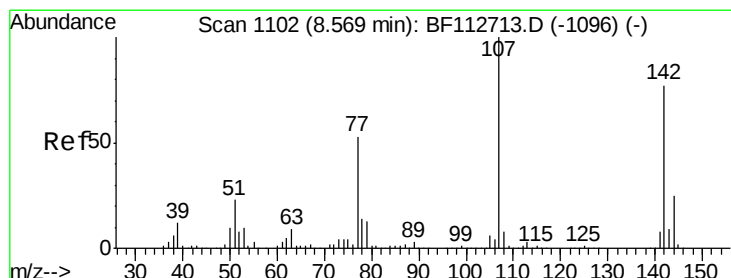
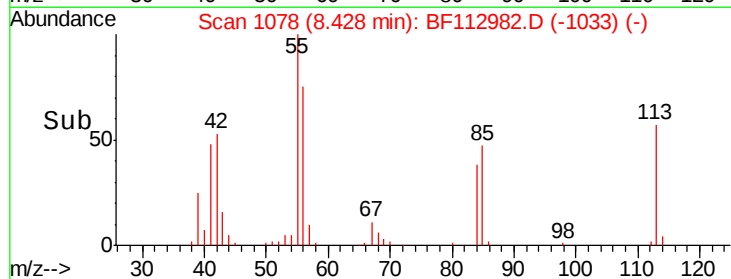
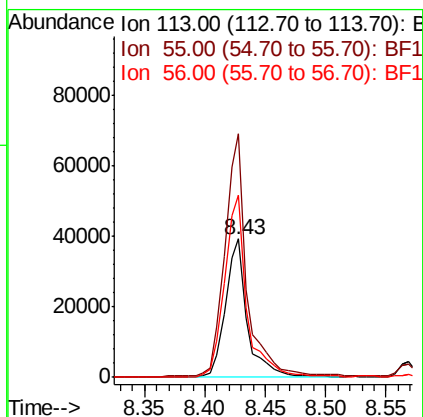
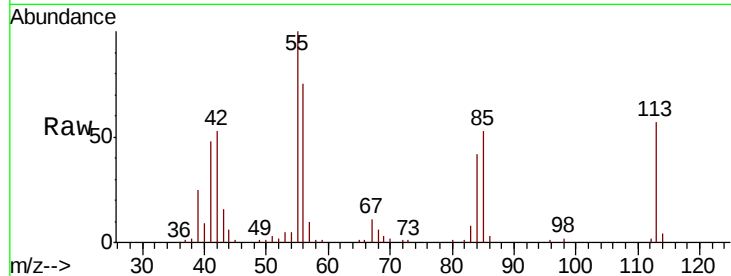
#35
 Caprolactam
 Concen: 20.347 ng
 RT: 8.43 min Scan# 1078
 Delta R.T. -0.04 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	176.2	163.5	203.5
56	132.3	115.3	155.3

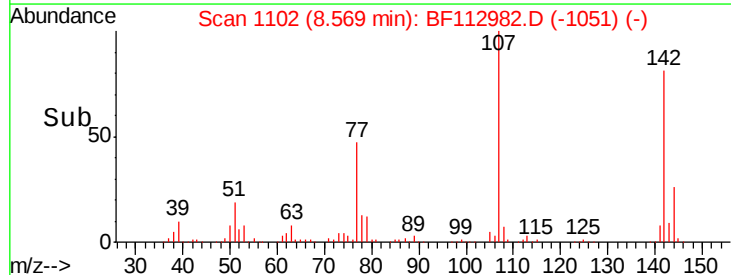
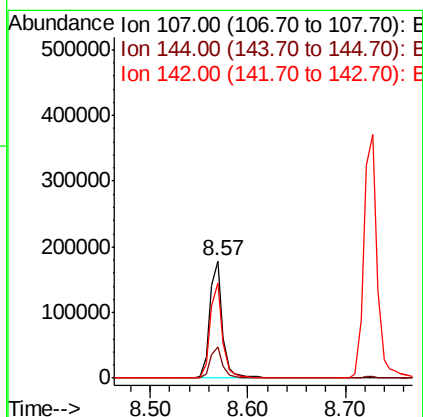
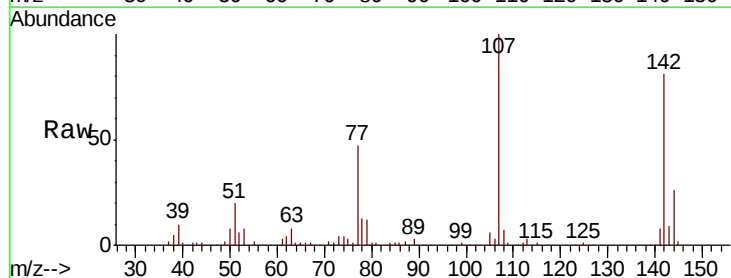
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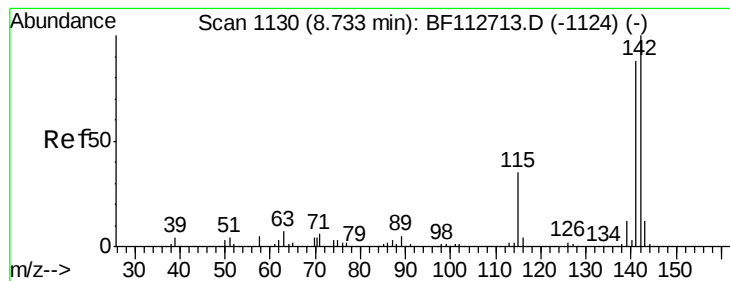
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#36
 4-Chloro-3-methylphenol
 Concen: 21.001 ng
 RT: 8.57 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.1	30.1
142	80.8	61.9	92.9





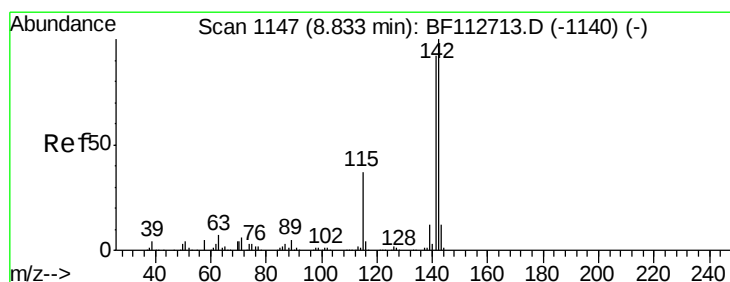
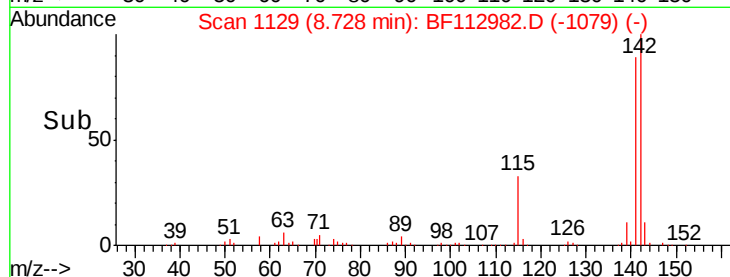
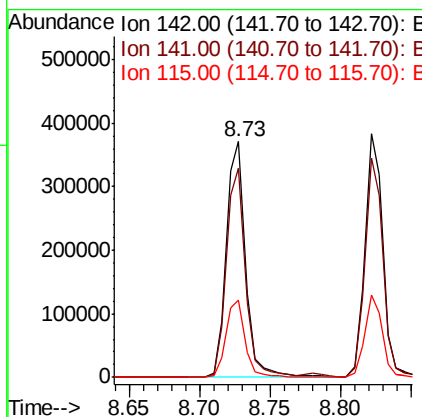
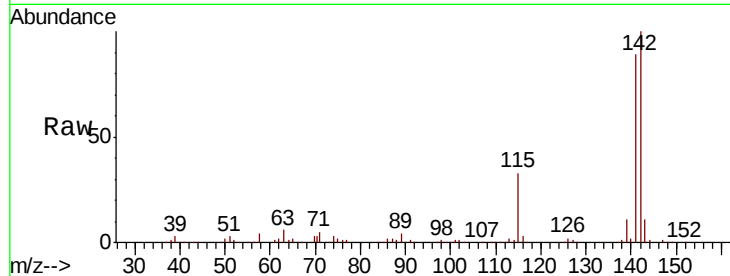
#37
2-Methylnaphthalene
Concen: 22.442 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	32.6	27.8	41.6

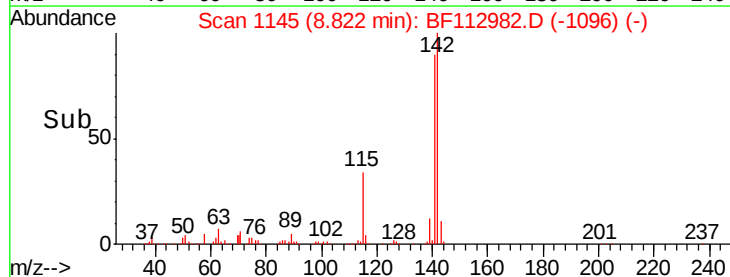
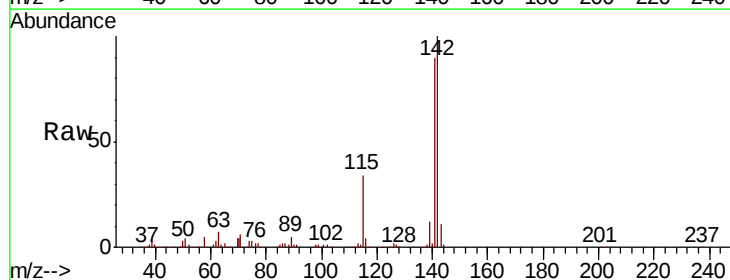
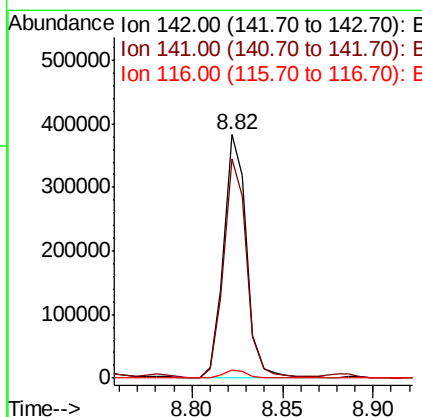
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#38
1-Methylnaphthalene
Concen: 21.918 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.7	110.5
116	3.5	3.1	4.7





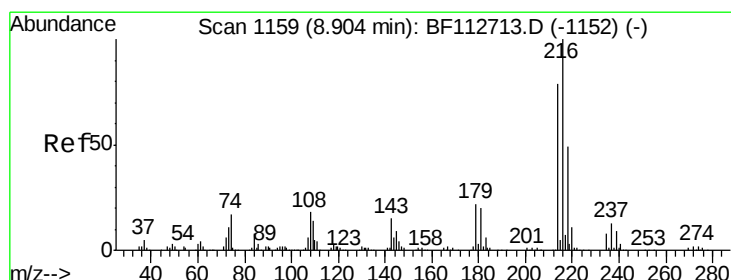
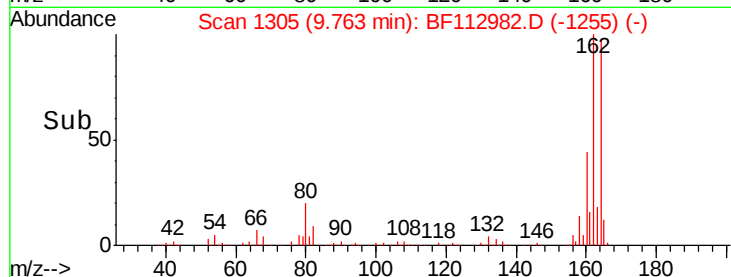
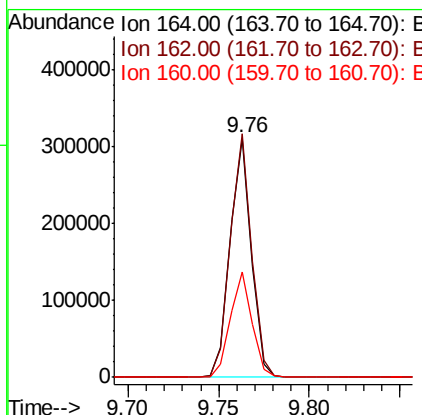
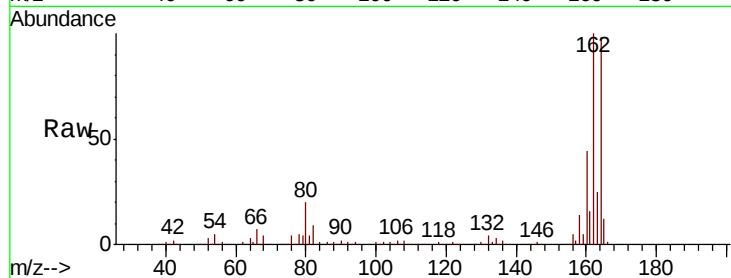
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	80.6	120.8	
160	44.3	36.0	54.0	

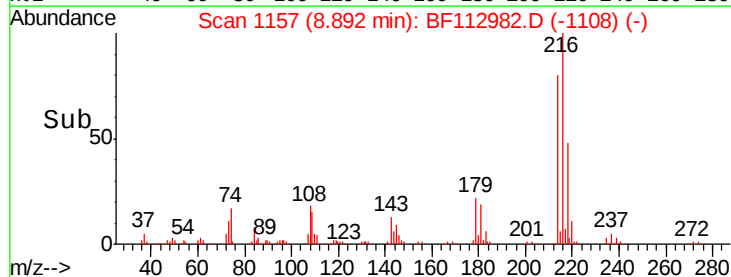
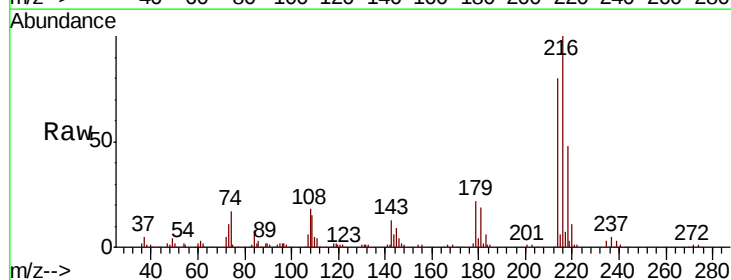
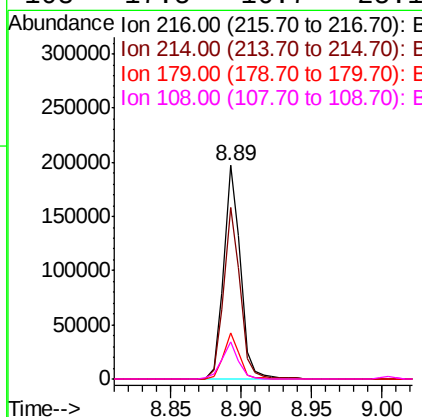
Manual Integrations
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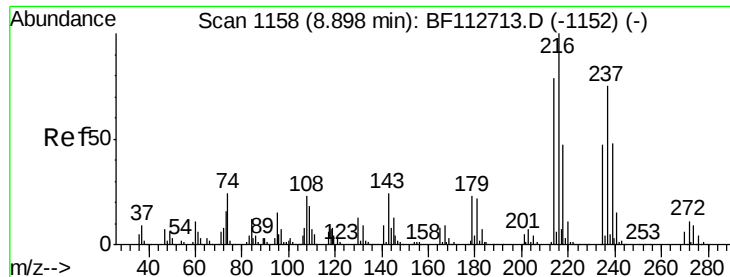
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3/12/2019 4:29:13 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.842 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	63.2	94.8	
179	20.4	17.5	26.3	
108	17.5	16.7	25.1	





#41

Hexachlorocyclopentadiene

Concen: 11.521 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.02 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

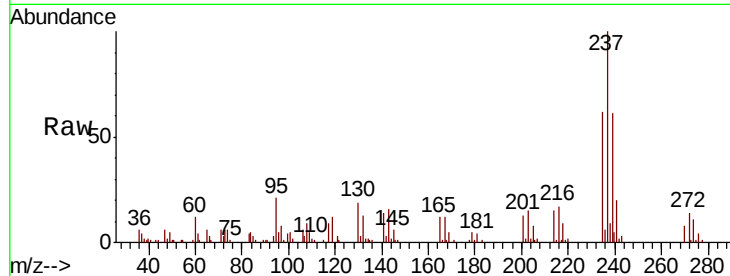
ClientSampleId :

PST-028-B011-030619MSD

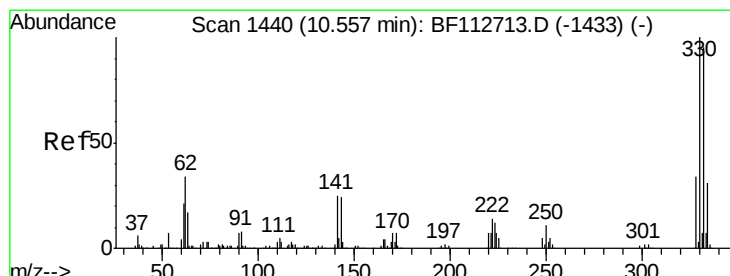
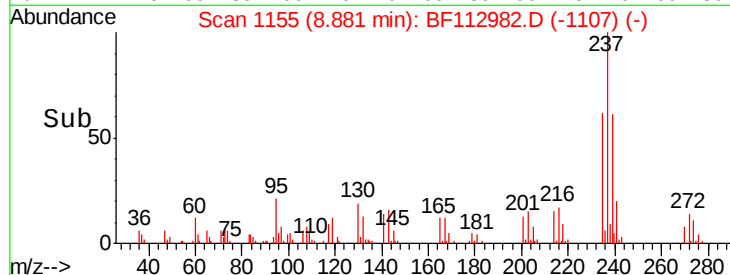
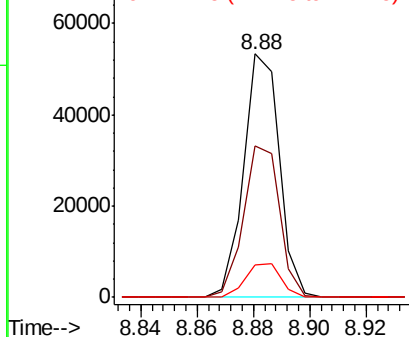
Tot Ion:	237	Resp:	46845
Ion Ratio	Lower	Upper	
237	100		
235	62.1	42.2	82.2
272	13.6	0.0	34.0

Manual Integrations
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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: 83.181 ng

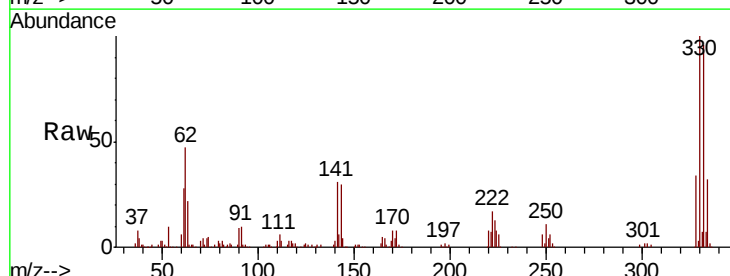
RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

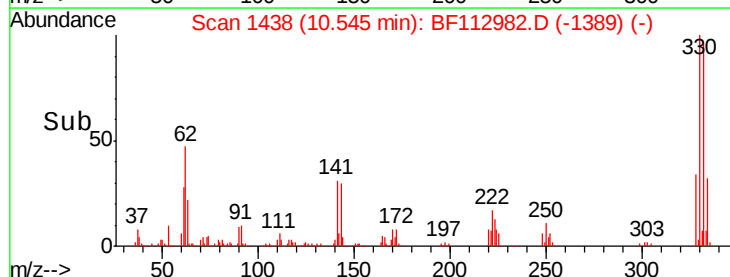
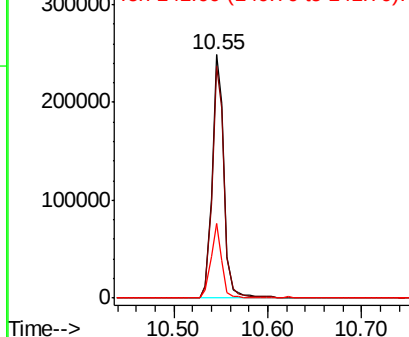
Lab File: BF112982.D

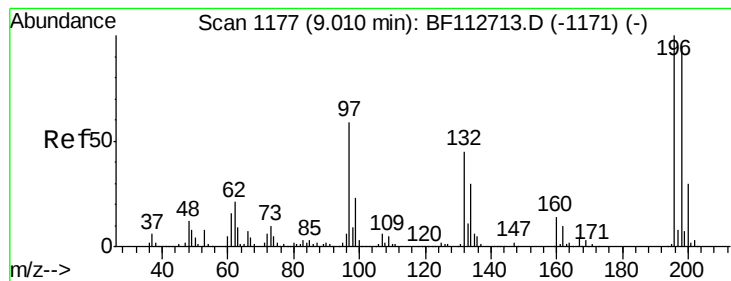
Acq: 12 Mar 2019 4:21

Tgt Ion:	330	Resp:	224849
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.2	114.4
141	28.2	27.0	40.6



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: 21.989 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

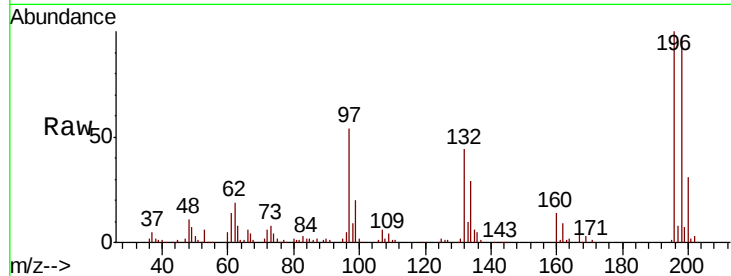
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	196	Resp:	112368
Ion Ratio	Lower	Upper	
196	100		
198	96.8	75.8	113.8
200	30.8	24.3	36.5

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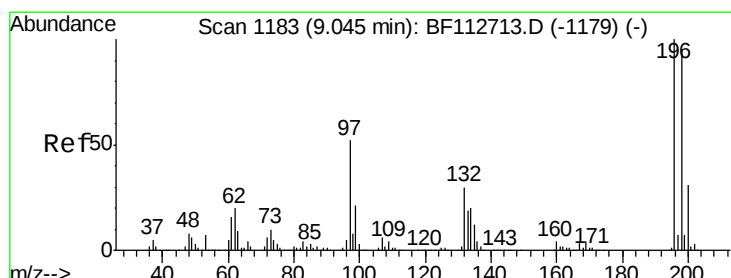
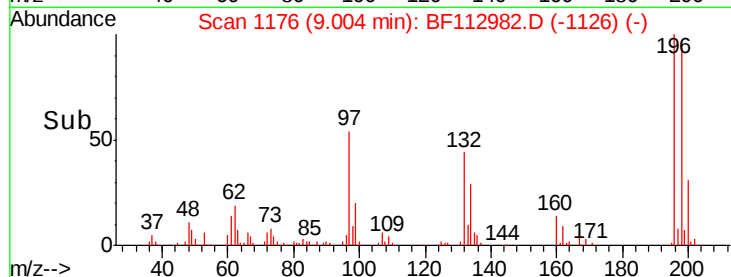
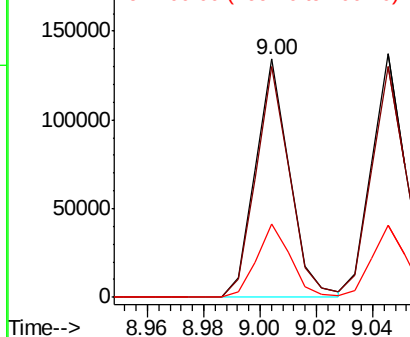


Abundance

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: 22.437 ng

RT: 9.05 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	196	Resp:	123930
Ion Ratio	Lower	Upper	
196	100		
198	95.0	76.2	114.2
97	45.9	41.5	62.3
132	26.6	23.9	35.9

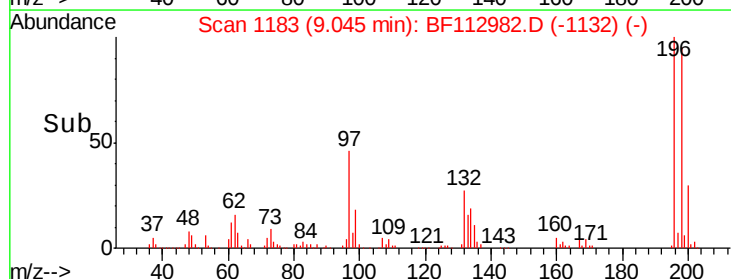
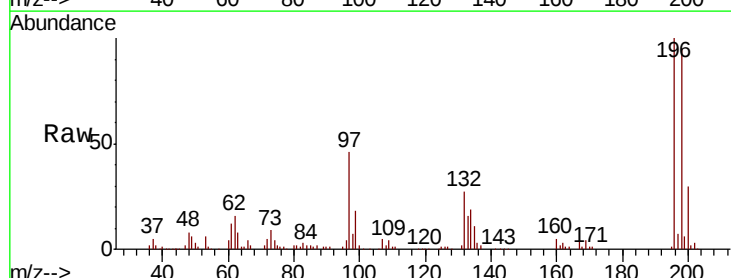
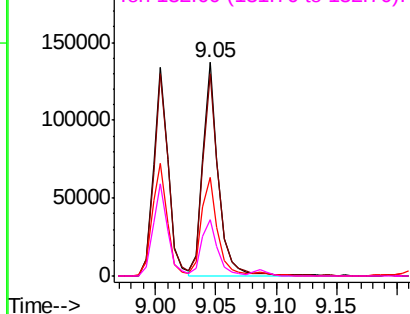
Abundance

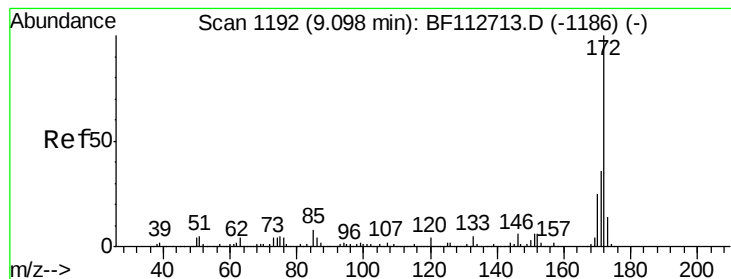
Ion 196.00 (195.70 to 196.70): E

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





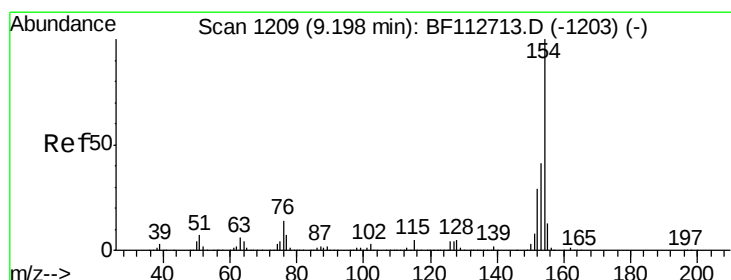
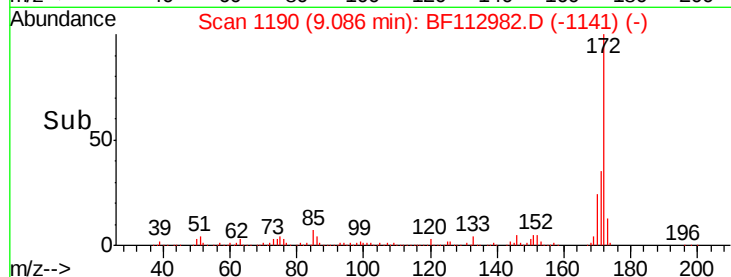
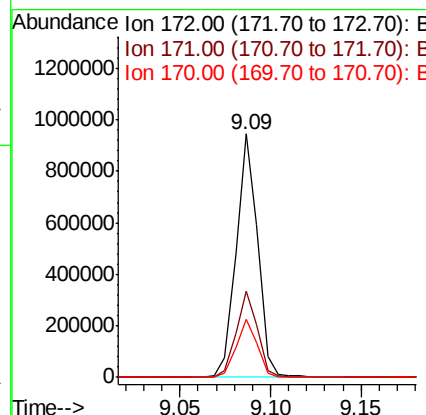
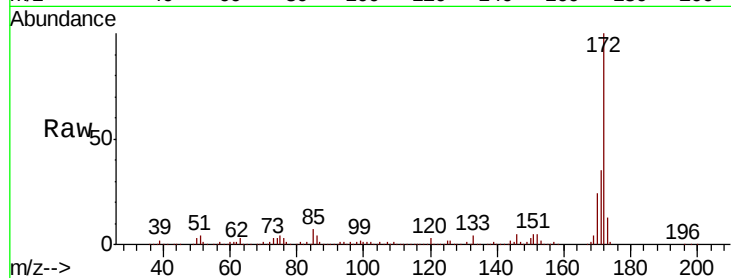
#45
2-Fluorobiphenyl
Concen: 44.867 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	23.7	20.0	30.0

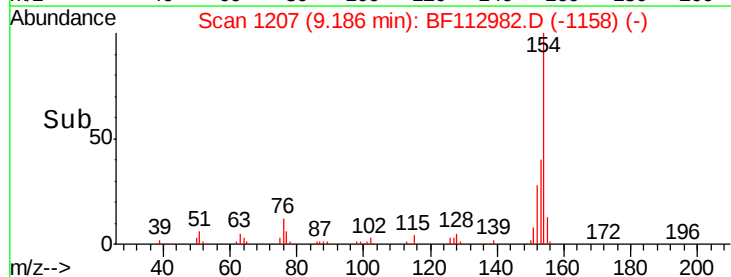
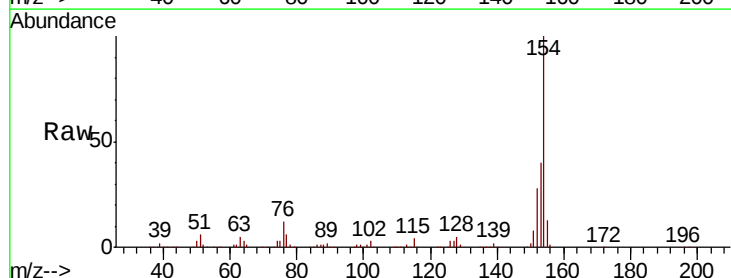
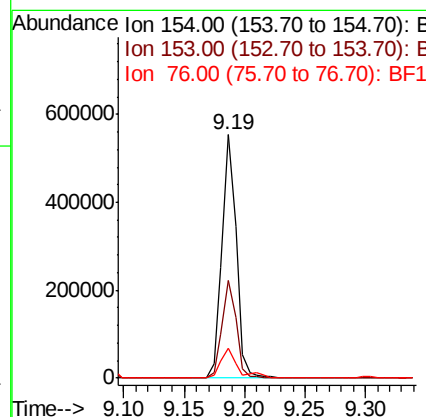
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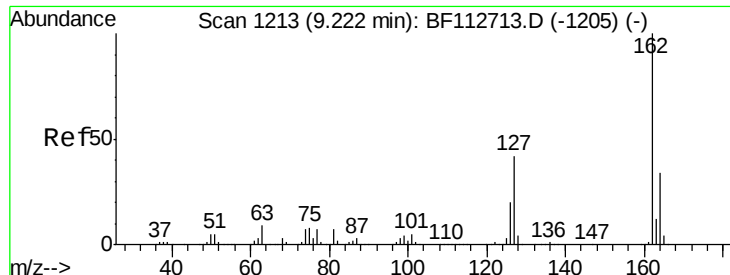
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#46
1,1'-Biphenyl
Concen: 21.590 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.8	60.8
76	12.3	0.0	33.8





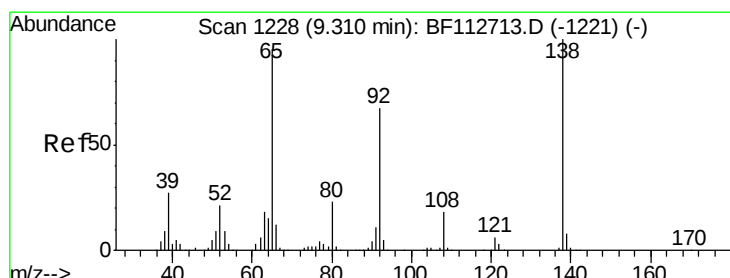
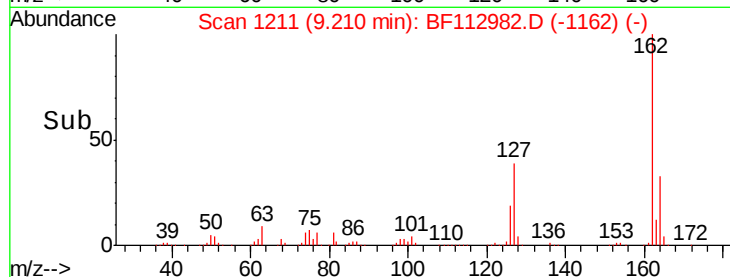
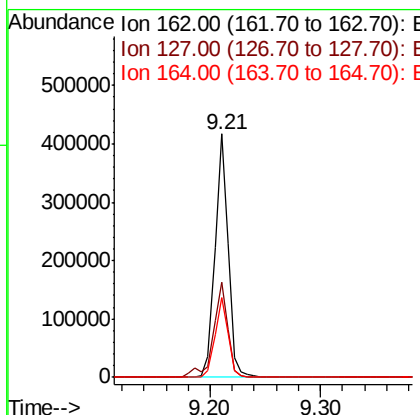
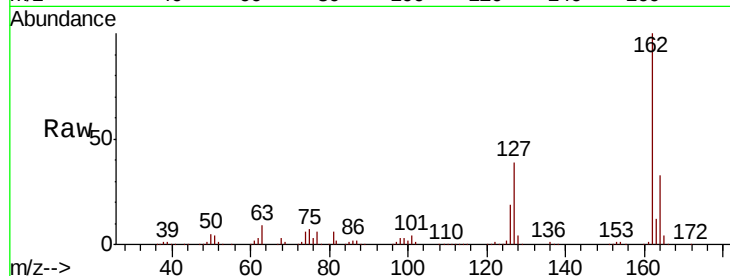
#47
2-Chloronaphthalene
Concen: 21.063 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	341578		
127	39.0		33.4	50.2
164	32.8		26.9	40.3

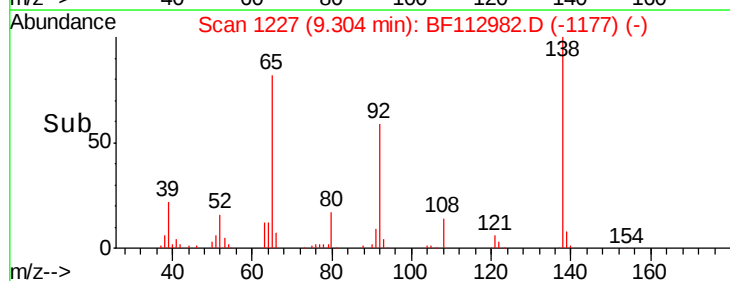
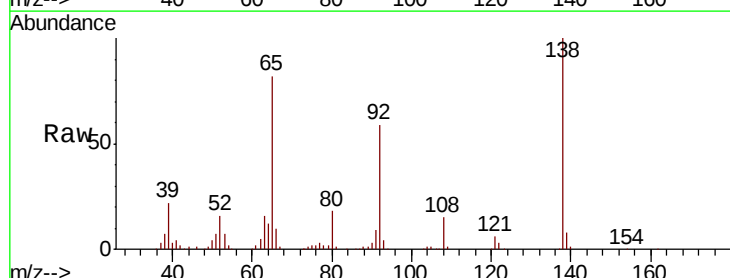
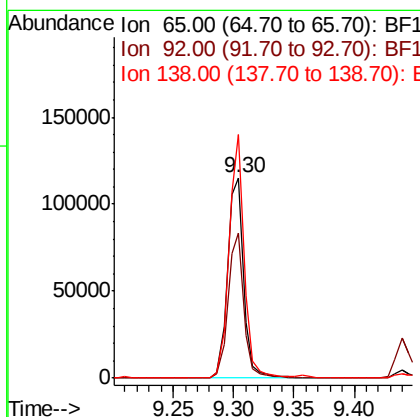
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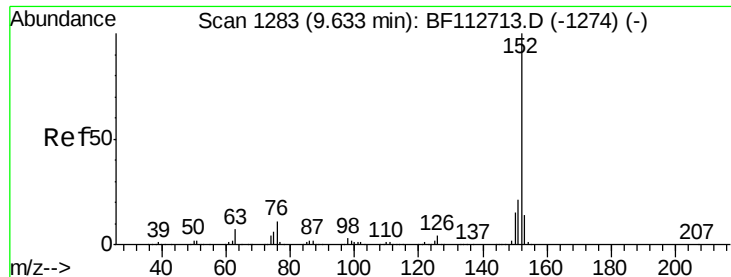
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#48
2-Nitroaniline
Concen: 21.863 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	107768		
92	72.1		56.4	84.6
138	121.6		84.6	126.8





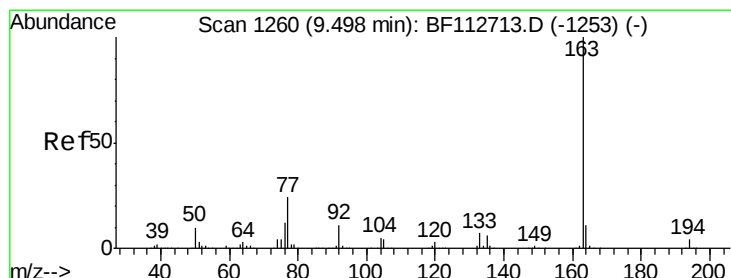
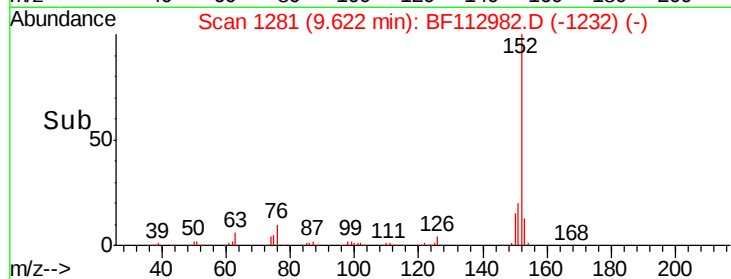
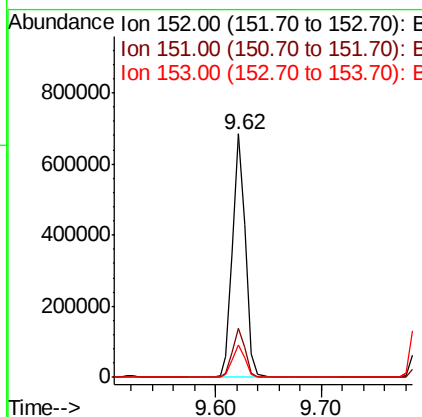
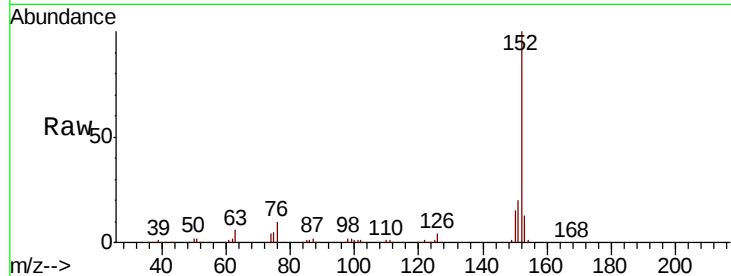
#49
Acenaphthylene
Concen: 20.665 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.9	25.3
153	13.3	11.0	16.6

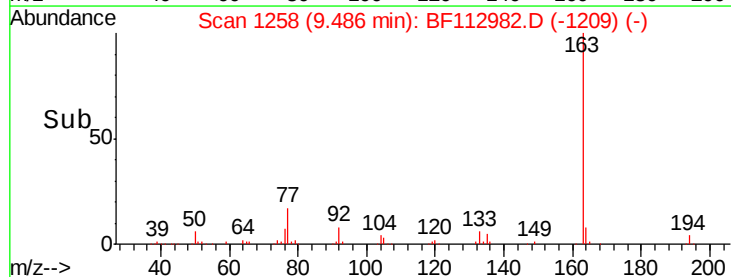
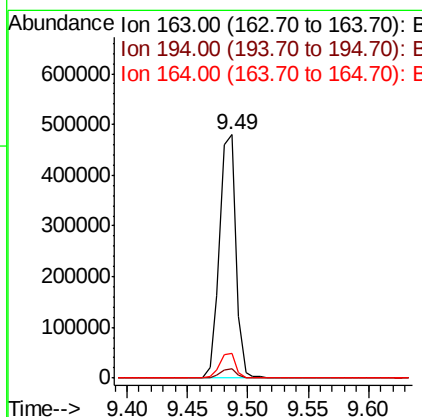
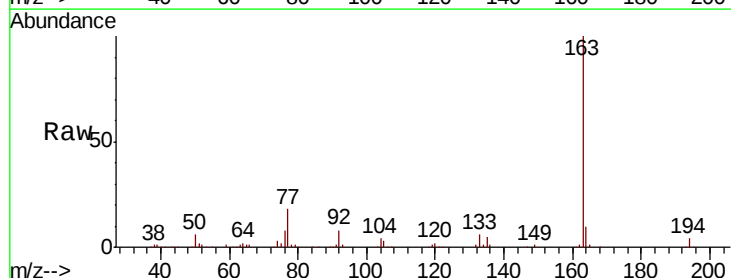
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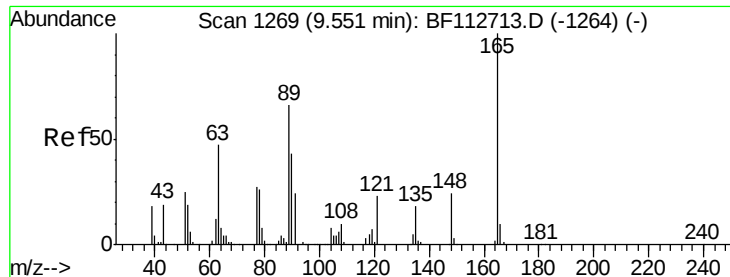
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#50
Dimethylphthalate
Concen: 23.904 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	10.1	8.4	12.6





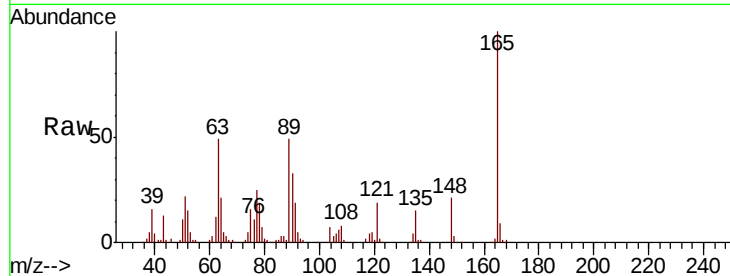
#51
2,6-Dinitrotoluene
Concen: 22.069 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

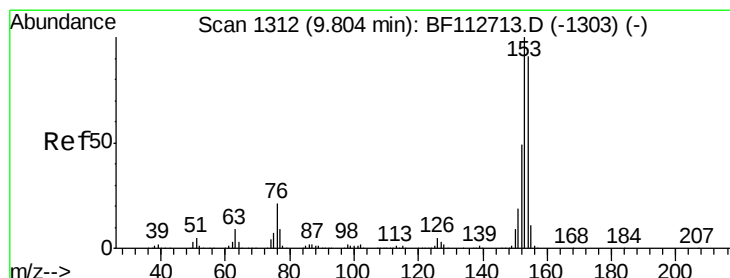
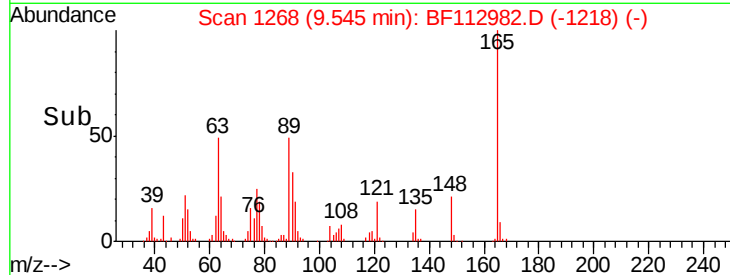
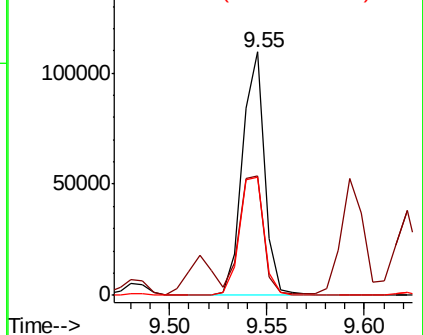
Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	49.0	54.1	81.1#
89	48.5	52.8	79.2#

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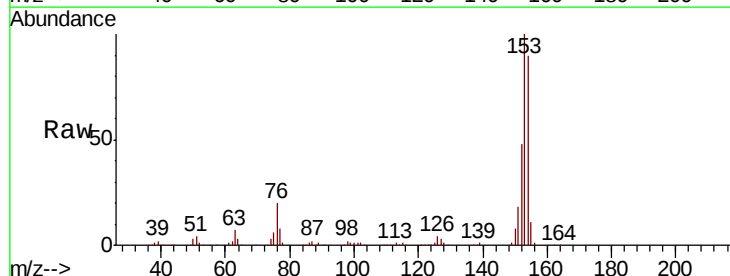


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

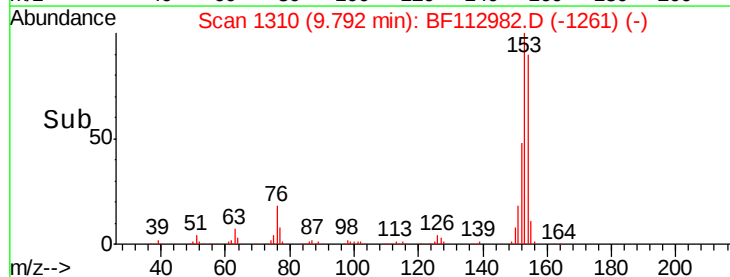
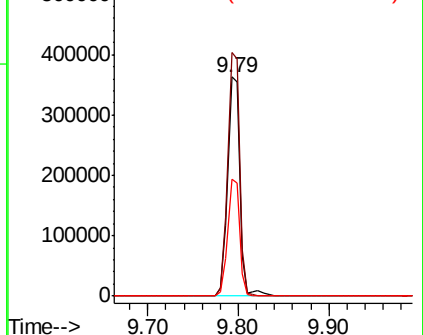


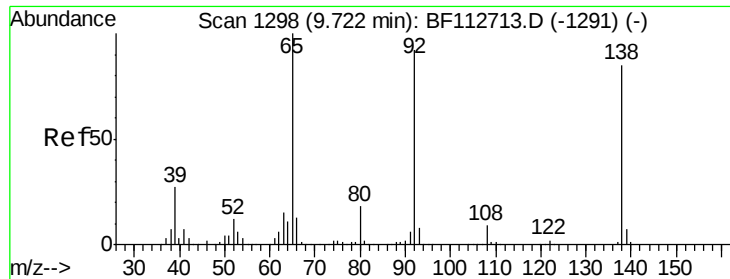
#52
Acenaphthene
Concen: 20.872 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	111.2	87.8	131.8
152	53.4	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





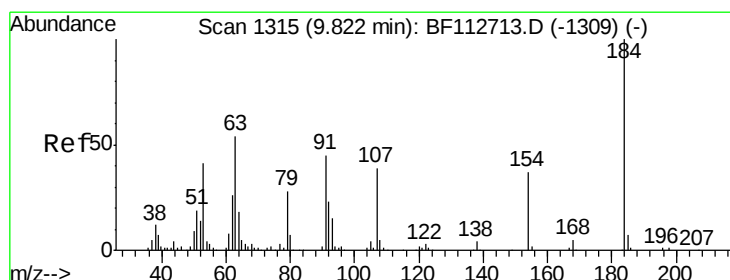
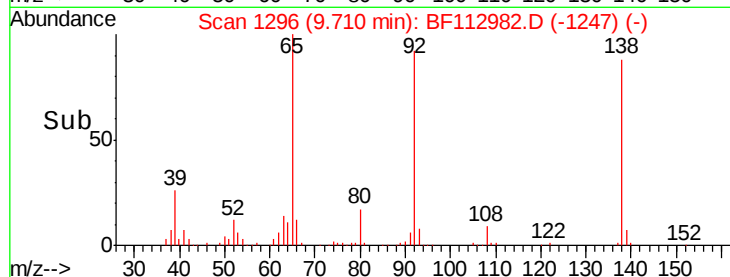
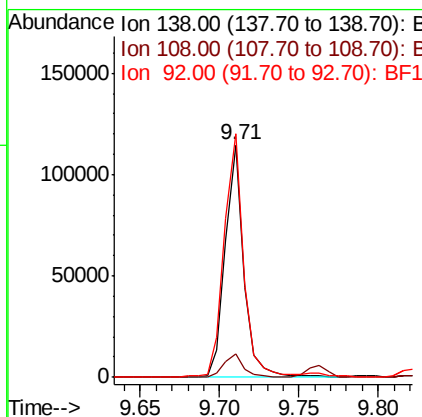
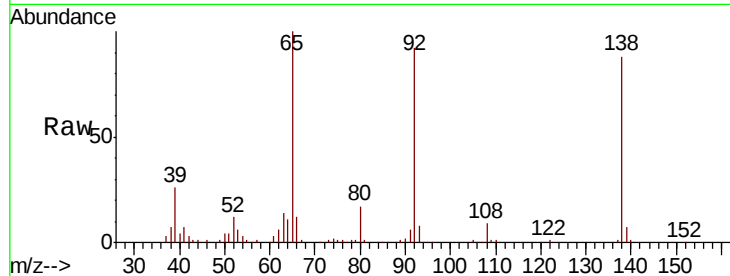
#53
3-Nitroaniline
Concen: 19.698 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.6	13.0
92	104.7	86.6	129.8

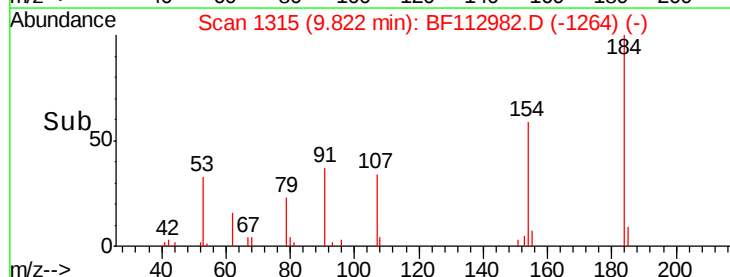
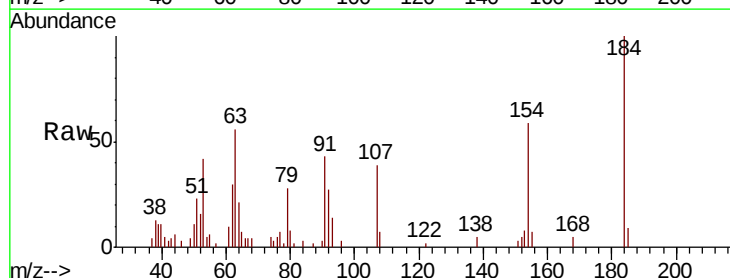
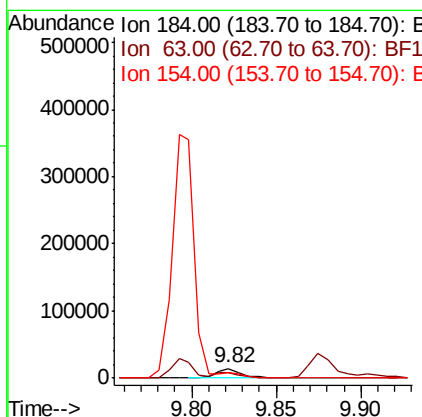
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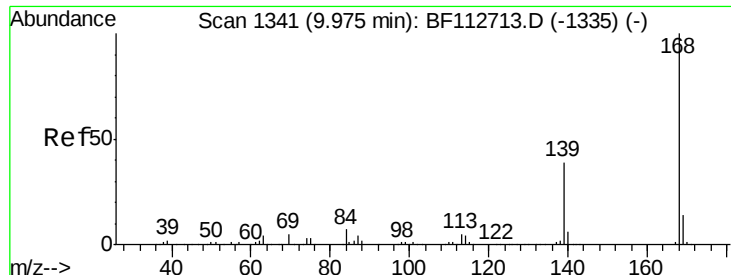
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#54
2,4-Dinitrophenol
Concen: 15.440 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.1	45.3	67.9
154	59.3	46.0	69.0





#55

Dibenzofuran

Concen: 22.156 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

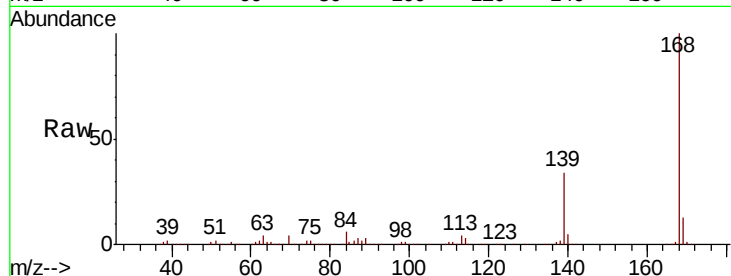
ClientSampleId :

PST-028-B011-030619MSD

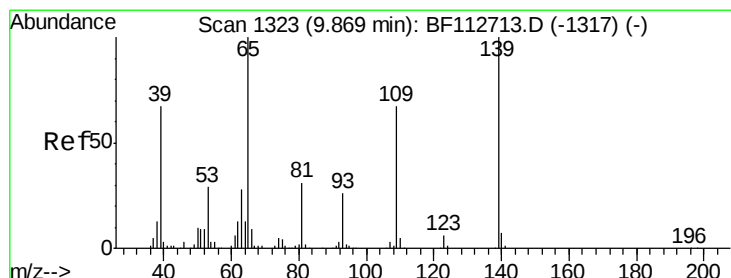
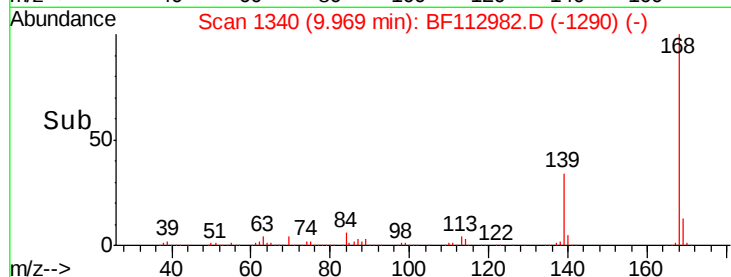
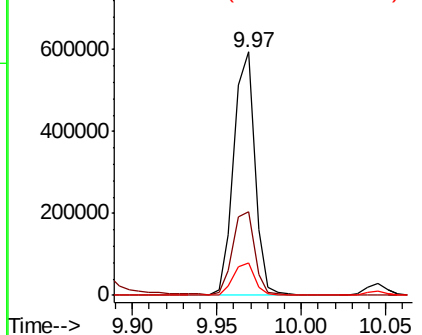
Tot Ion:	168	Resp:	518433
Ion Ratio	Lower	Upper	
168	100		
139	34.4	31.3	46.9
169	13.2	11.3	16.9

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 40.569 ng

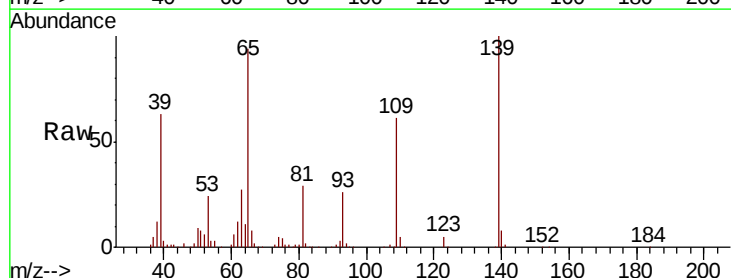
RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

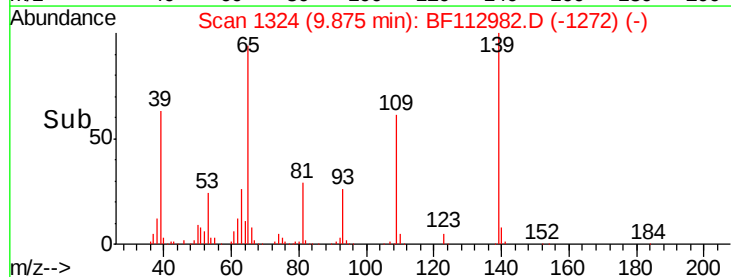
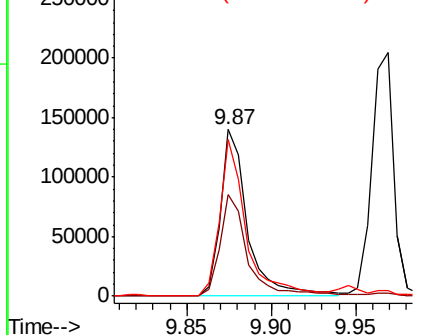
Lab File: BF112982.D

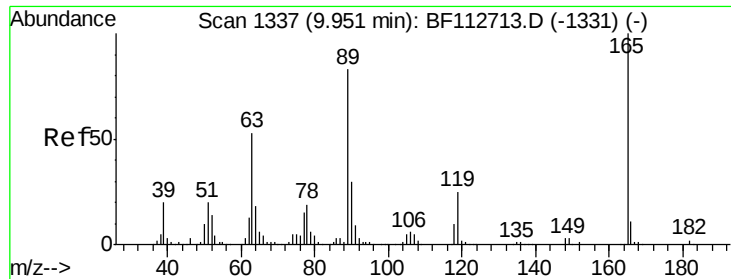
Acq: 12 Mar 2019 4:21

Tgt Ion:	139	Resp:	157074
Ion Ratio	Lower	Upper	
139	100		
109	61.0	46.8	86.8
65	94.3	80.7	120.7



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





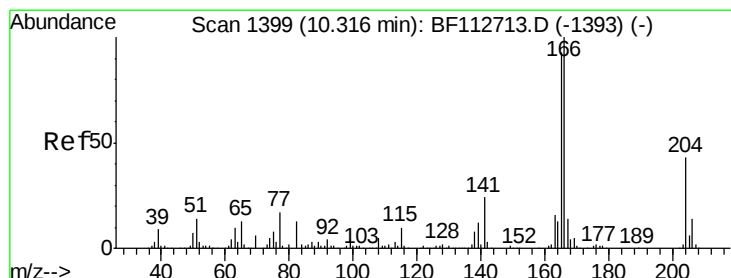
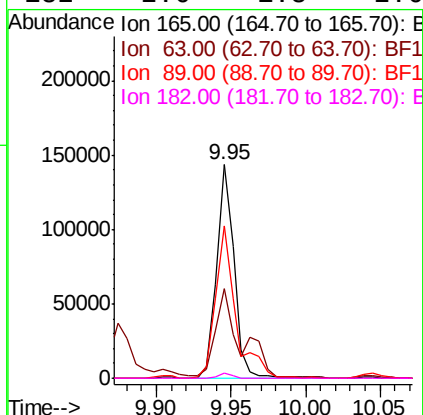
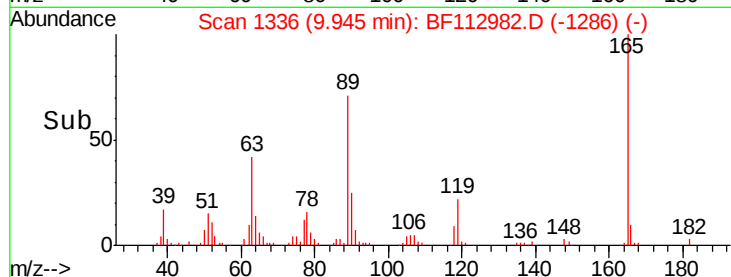
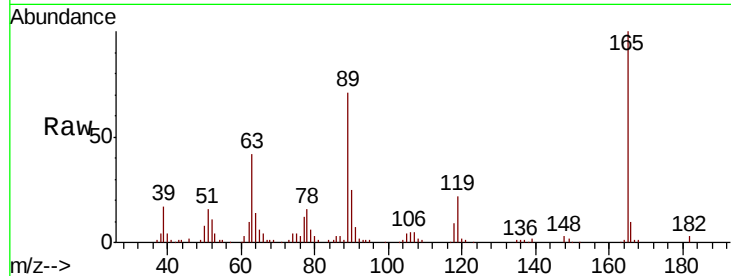
#57
2,4-Dinitrotoluene
Concen: 24.252 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		117859		
63	42.1	42.2	63.2#		
89	71.3	66.2	99.4		
182	2.6	1.8	2.6		

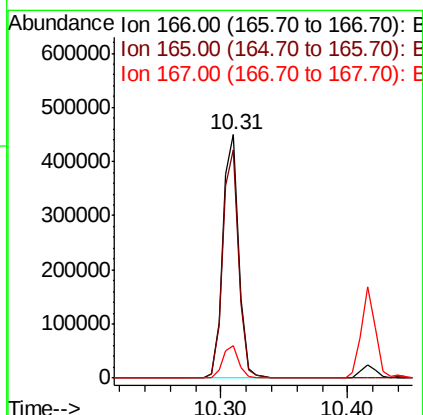
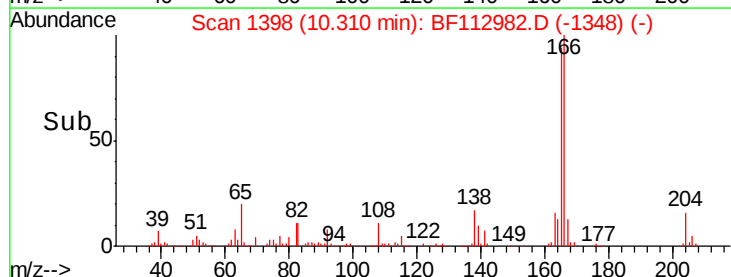
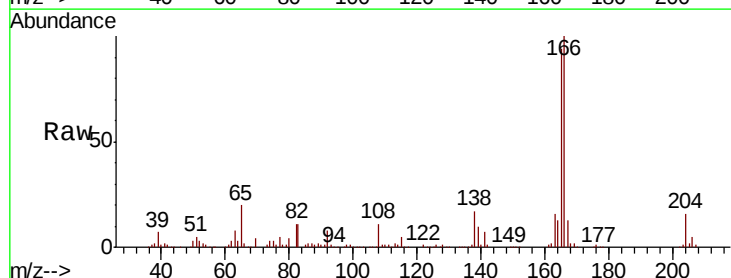
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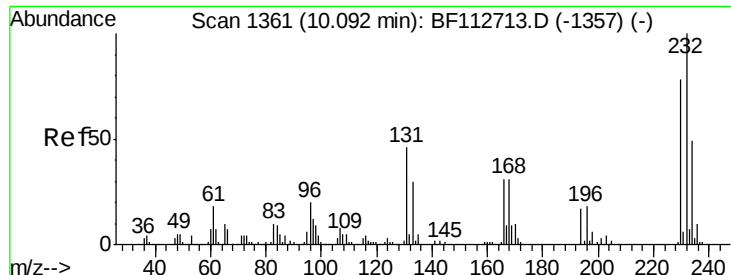
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#58
Fluorene
Concen: 23.726 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		394028		
165	93.6	74.7	112.1		
167	13.2	11.0	16.6		





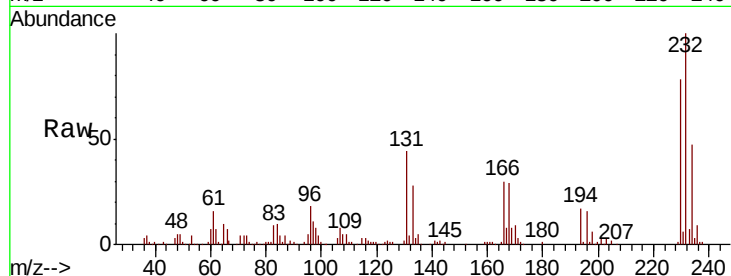
#59
2,3,4,6-Tetrachlorophenol
Concen: 24.847 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	40.7	38.7	58.1
130	2.0	1.9	2.9
166	29.3	25.2	37.8

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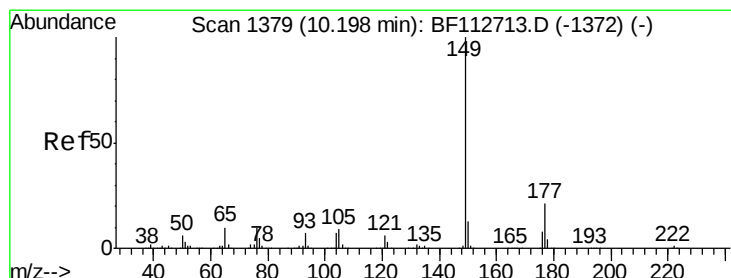
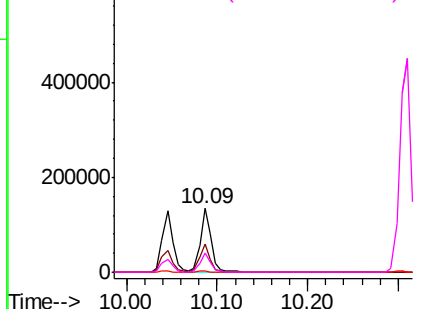
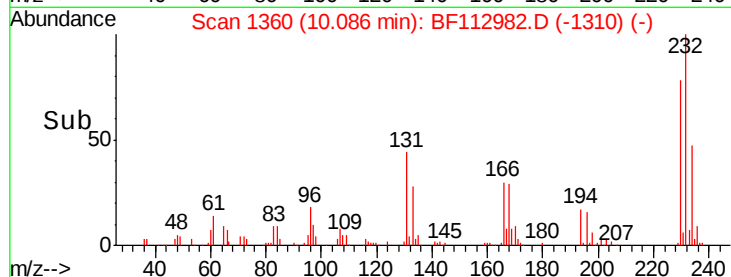
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

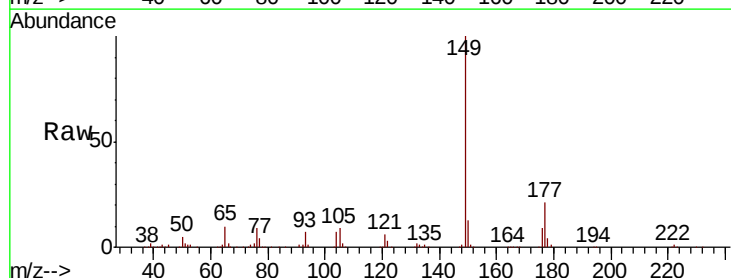
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 20.440 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.0	25.6
150	12.6	10.0	15.0

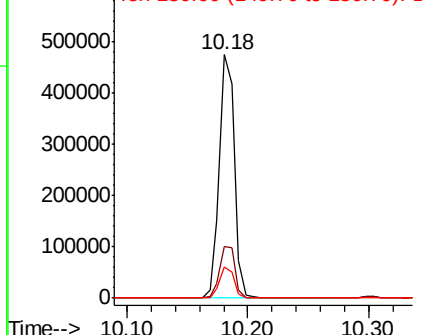
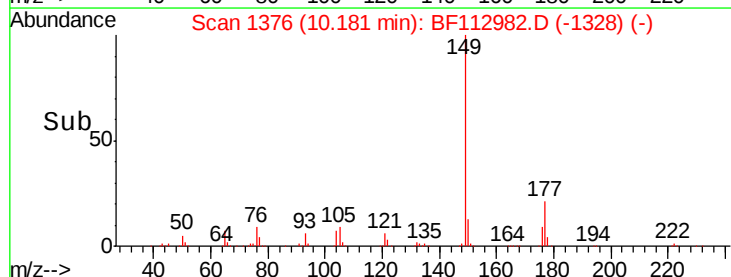


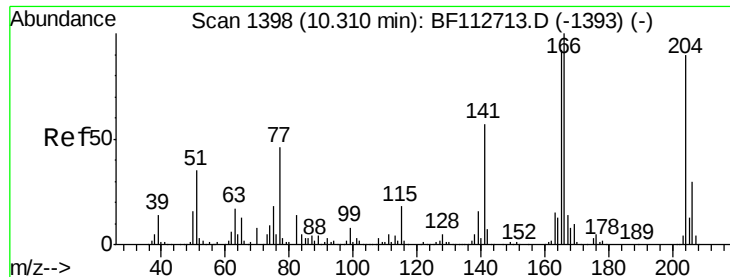
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





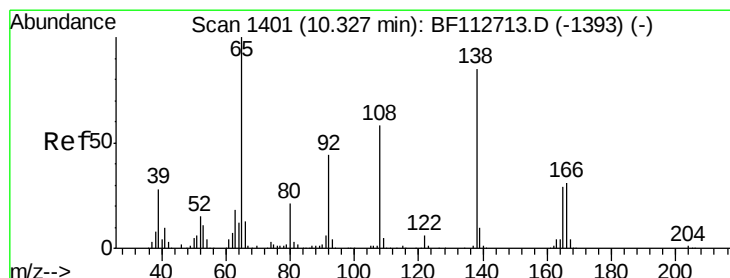
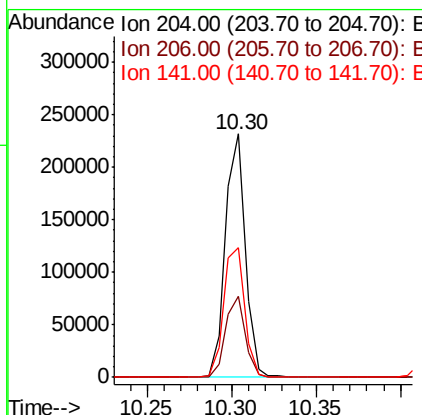
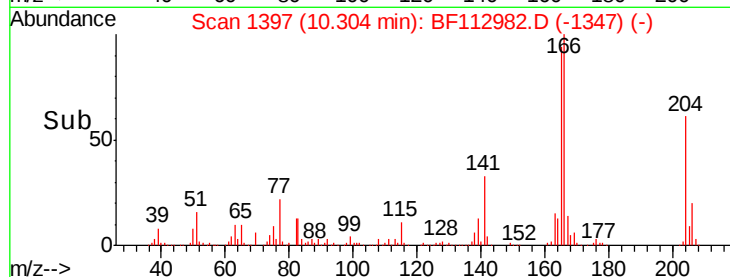
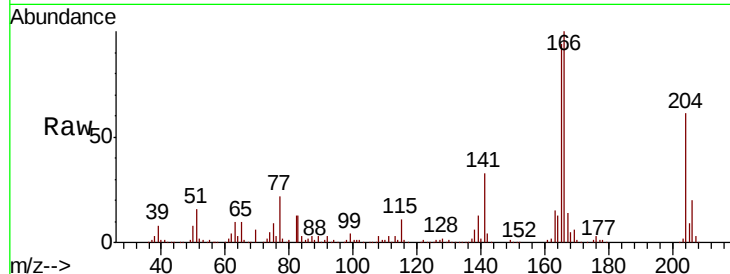
#61
4-Chlorophenyl-phenylether
Concen: 24.685 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	190738		
206	33.3	26.6	40.0	
141	53.4	50.8	76.2	

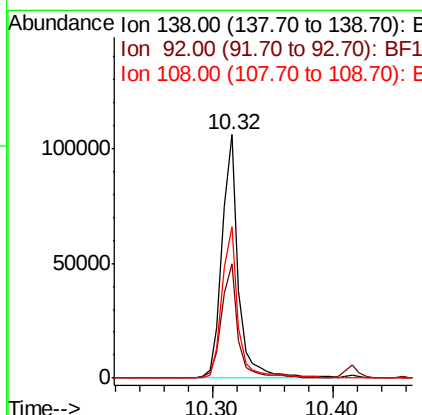
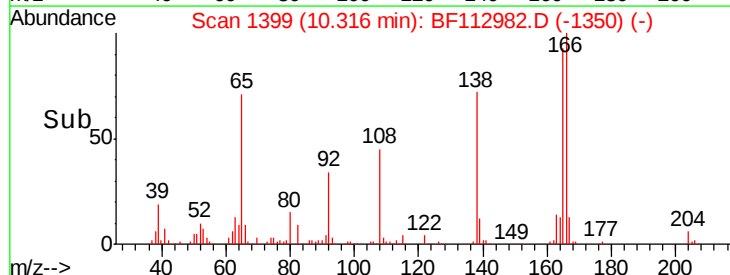
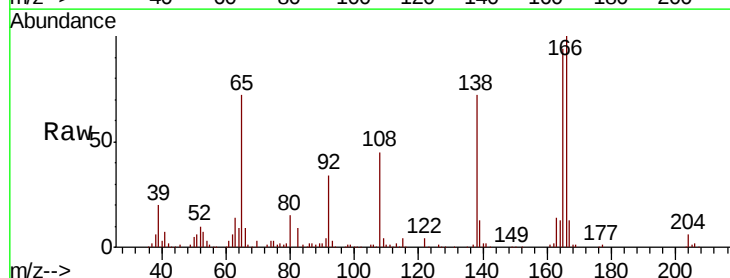
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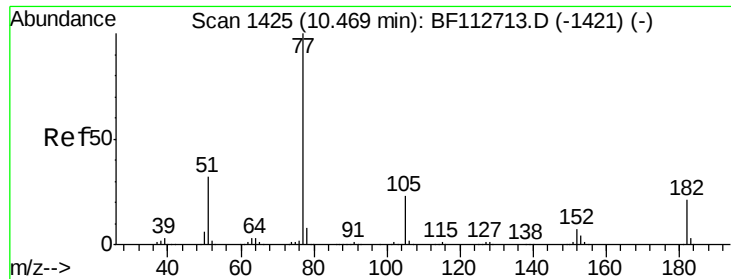
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#62
4-Nitroaniline
Concen: 22.518 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	99127		
92	46.9	31.3	71.3	
108	62.0	48.1	88.1	





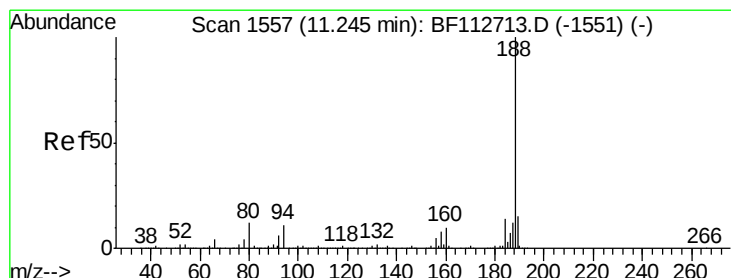
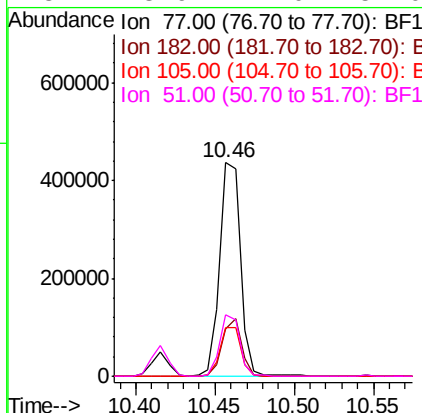
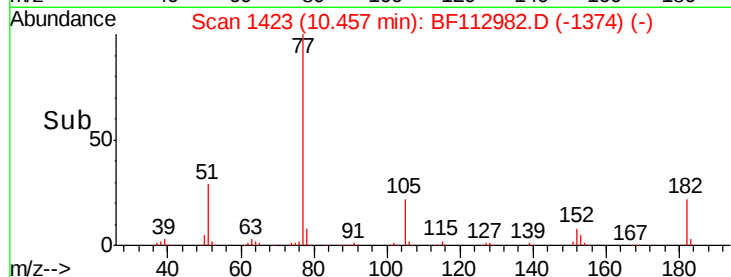
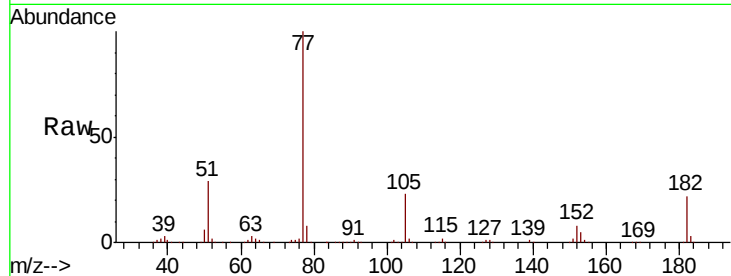
#63
Azobenzene
Concen: 19.469 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		395410		
182	22.2	1.4	41.4		
105	22.7	2.6	42.6		
51	28.9	12.0	52.0		

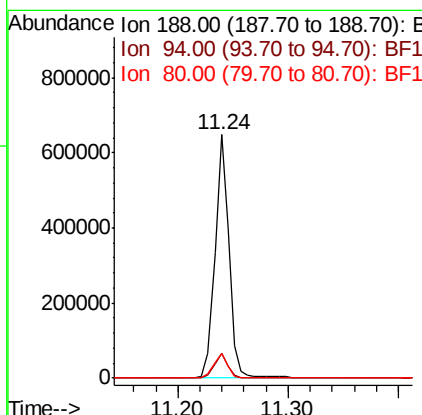
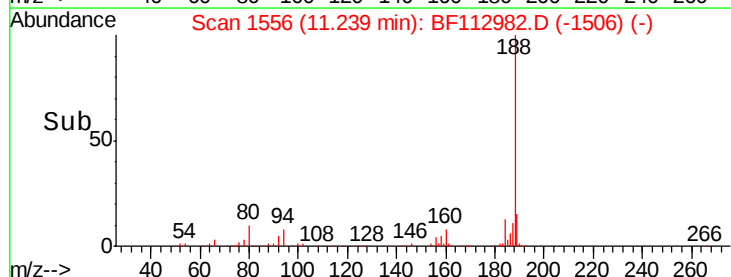
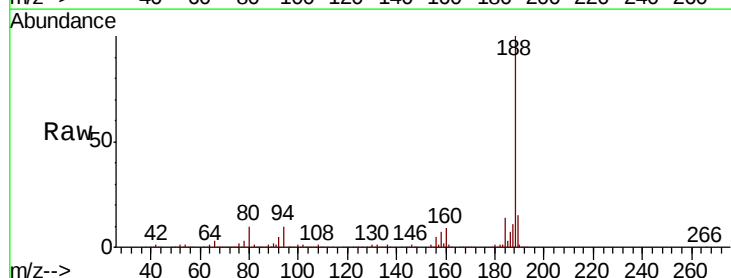
Manual Integrations
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		561666		
94	10.1	9.0	13.4		
80	10.1	9.2	13.8		





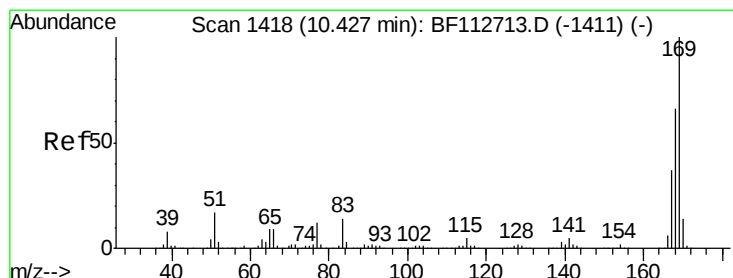
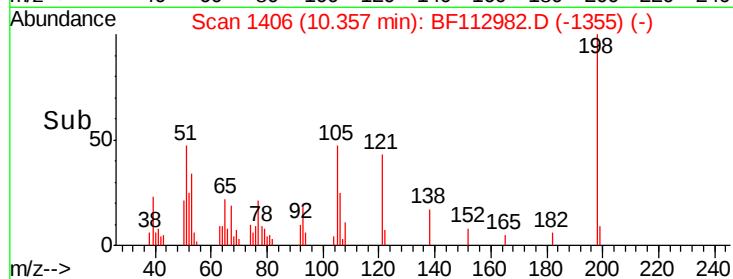
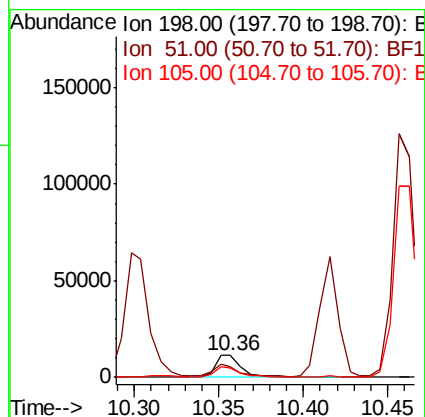
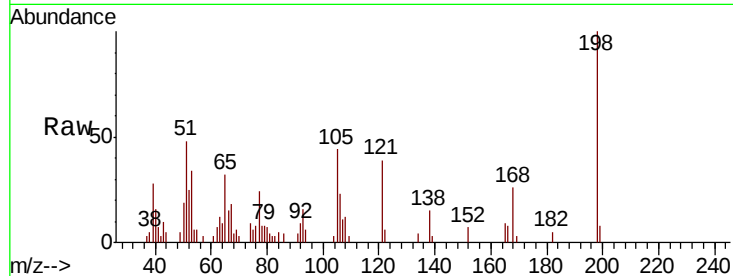
#65
4,6-Dinitro-2-methylphenol
Concen: 9.521 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	47.8	43.8	83.8
105	43.5	36.5	76.5

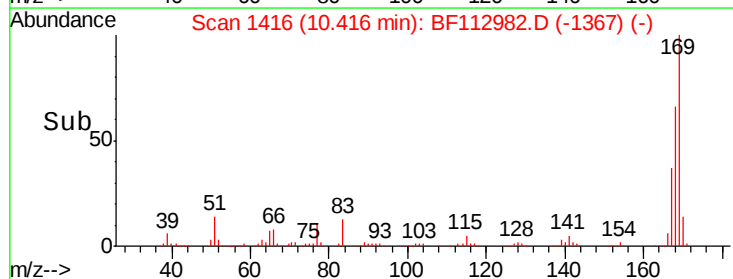
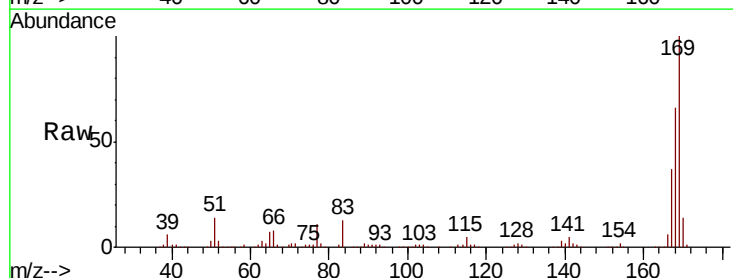
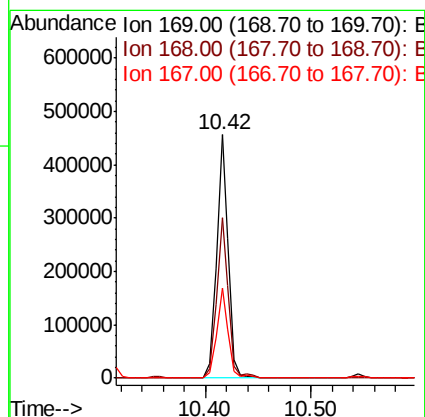
Manual Integrations
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#66
n-Nitrosodiphenylamine
Concen: 19.727 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.6
167	36.8	29.3	43.9





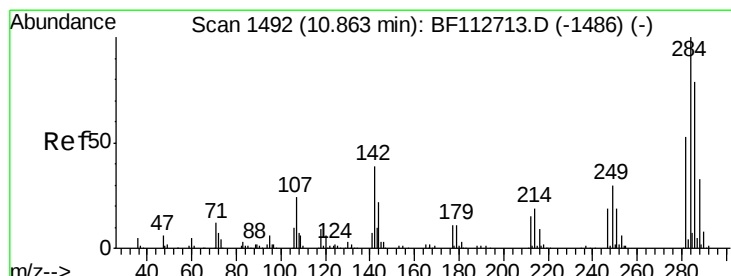
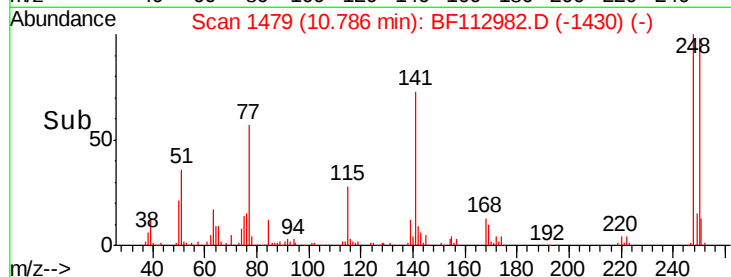
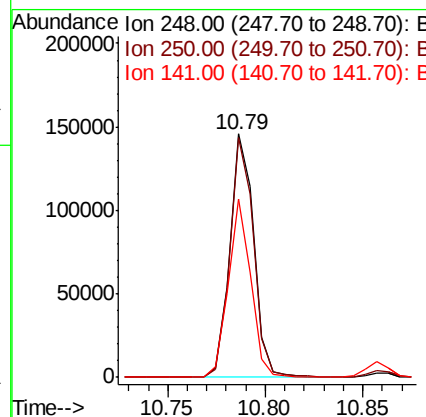
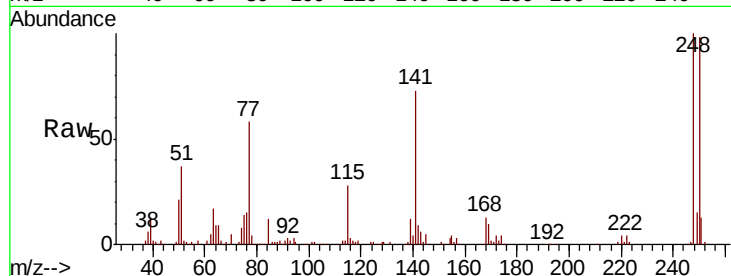
#67
4-Bromophenyl-phenylether
Concen: 20.923 ng
RT: 10.79 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.5	116.3
141	73.0	62.4	93.6

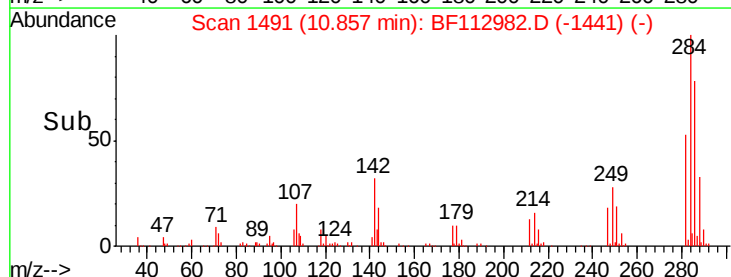
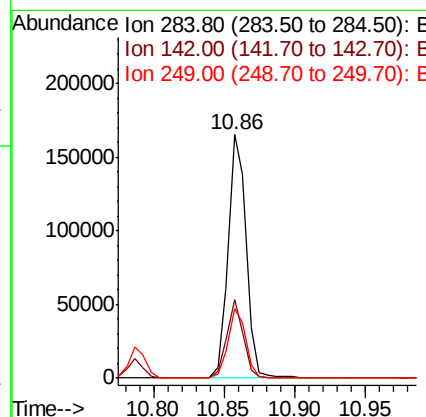
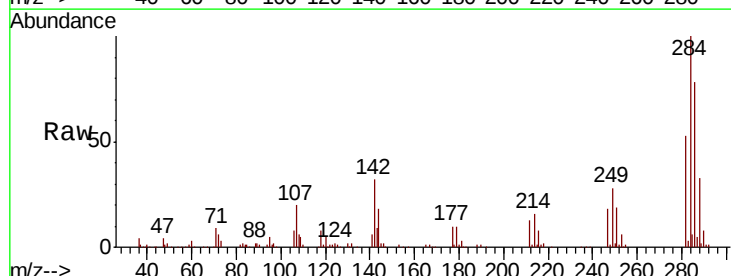
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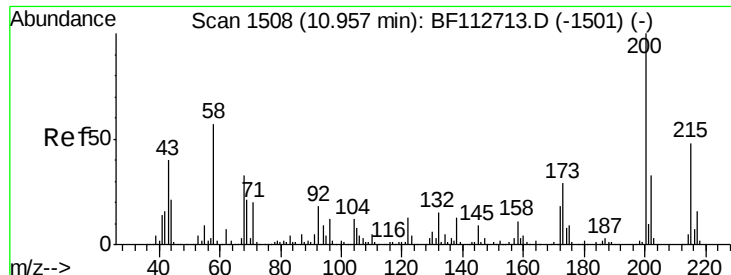
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#68
Hexachlorobenzene
Concen: 22.026 ng
RT: 10.86 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.1	31.0	46.6
249	28.5	23.6	35.4





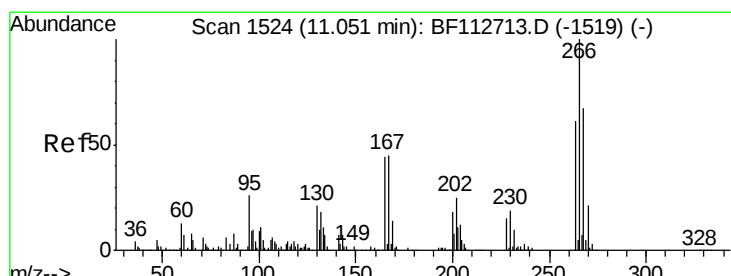
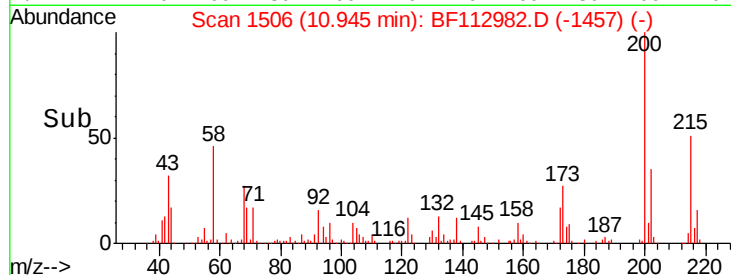
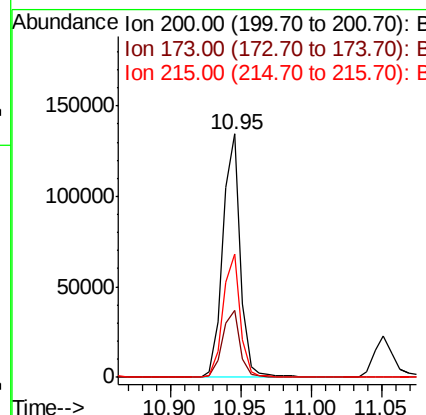
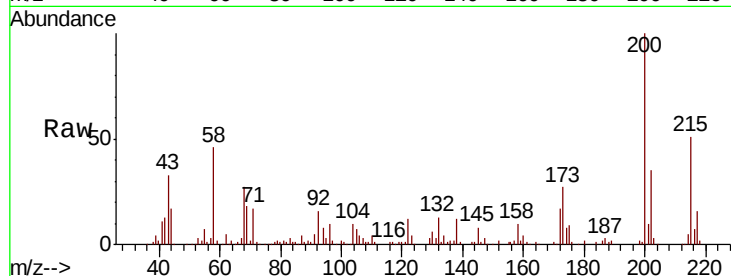
#69
Atrazine
Concen: 20.976 ng
RT: 10.95 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.4	9.1	49.1
215	50.7	28.2	68.2

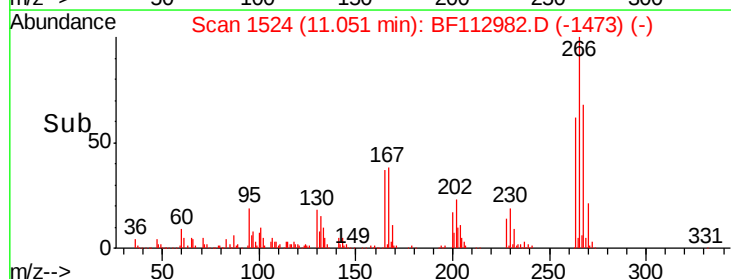
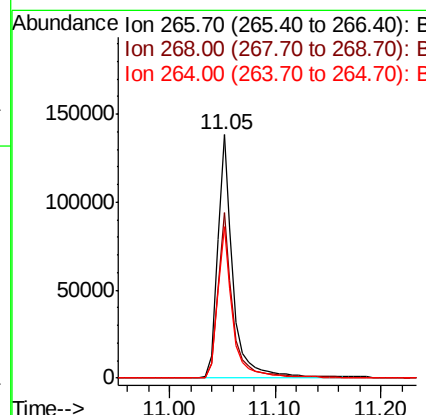
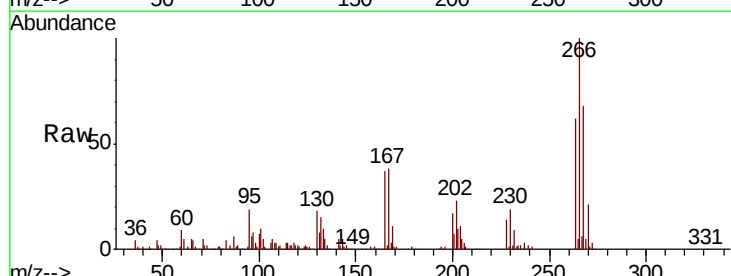
Manual Integrations
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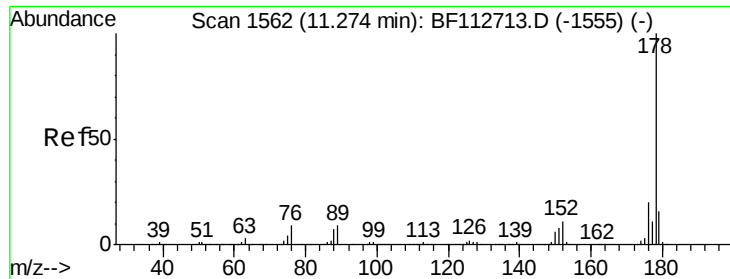
Sohil
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#70
Pentachlorophenol
Concen: 36.197 ng
RT: 11.05 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	67.8	53.3	79.9
264	62.0	48.9	73.3





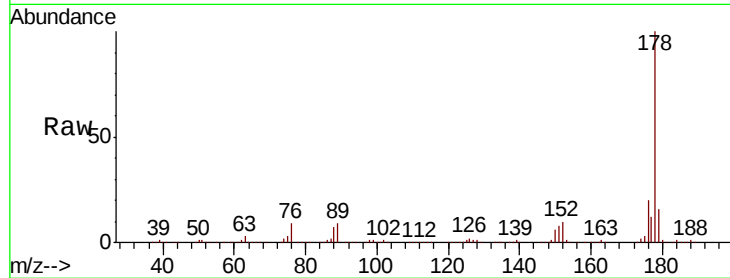
#71
Phenanthrene
Concen: 21.977 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

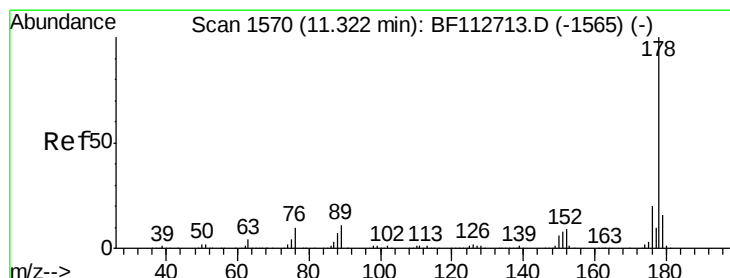
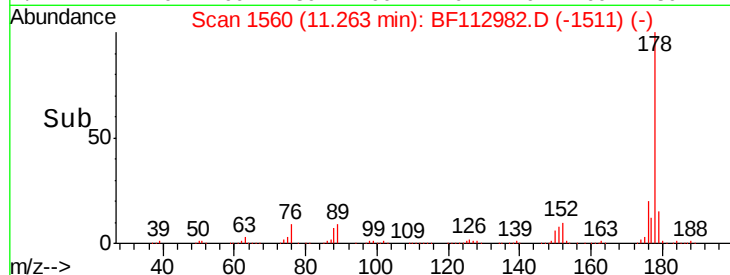
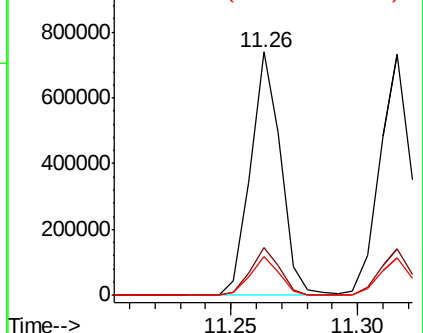
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.3	24.5
179	16.0	12.7	19.1

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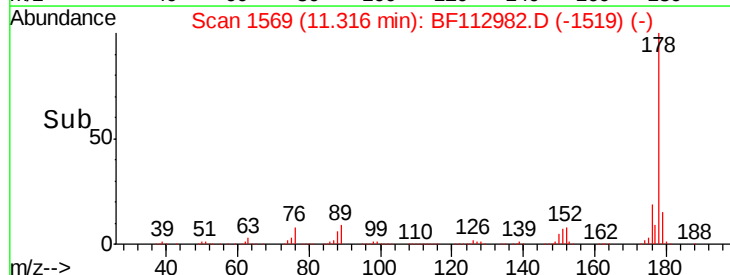
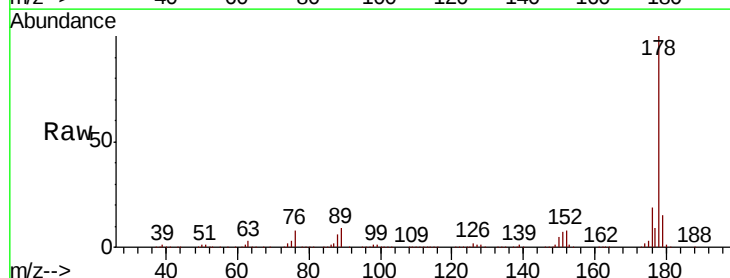
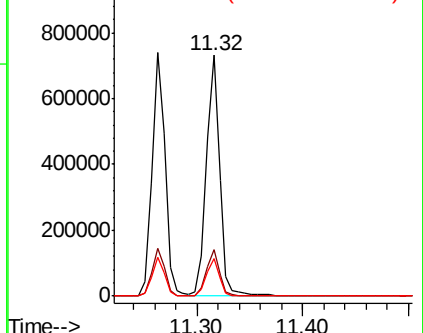
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72
Anthracene
Concen: 21.975 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.5	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





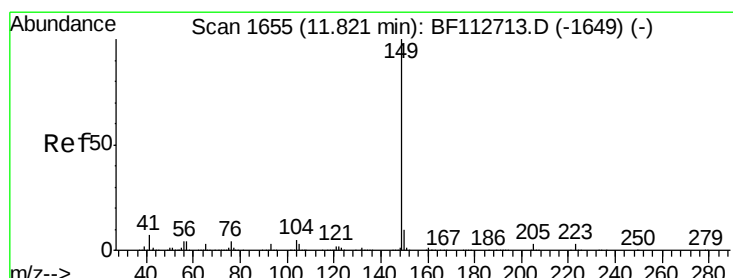
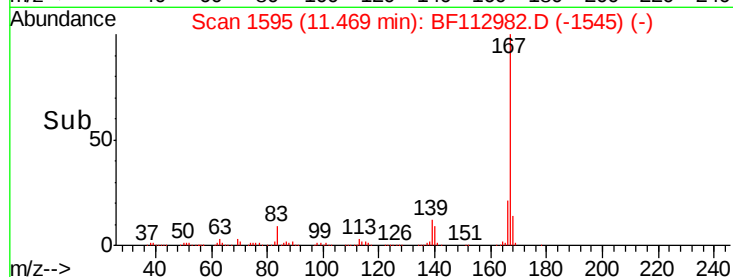
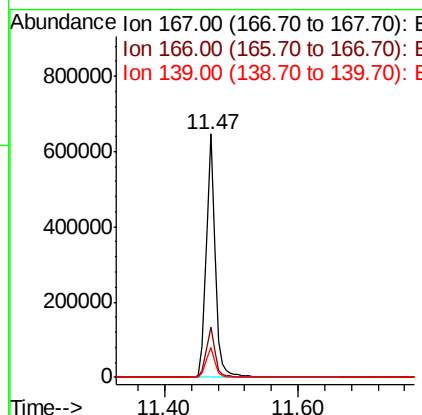
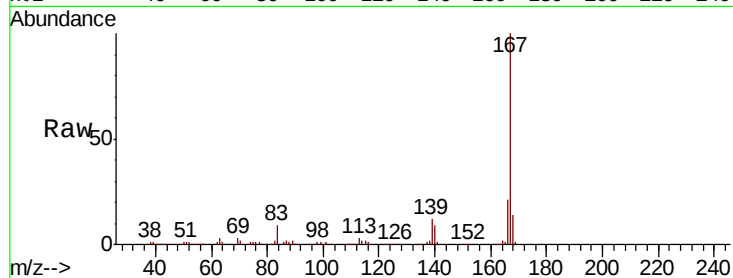
#73
 Carbazole
 Concen: 20.936 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.5	26.3
139	12.5	10.8	16.2

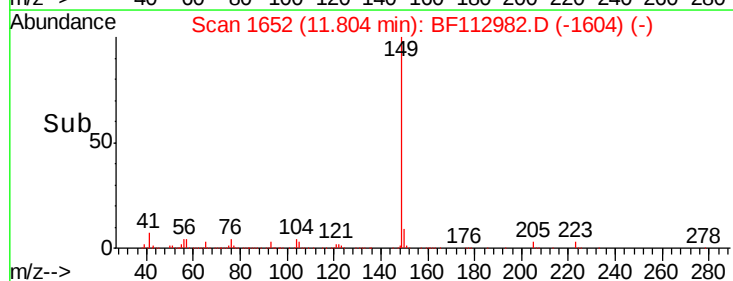
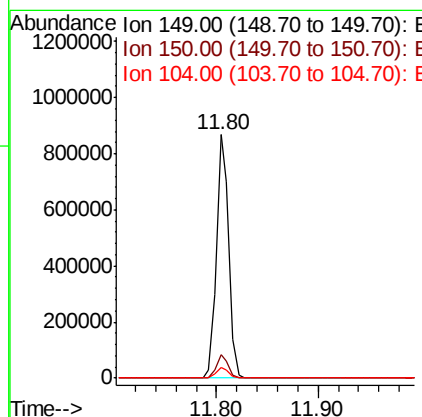
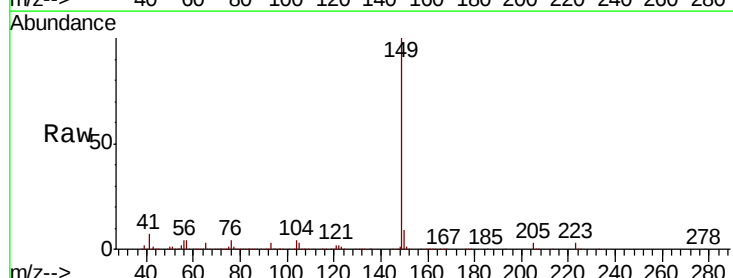
Manual Integrations
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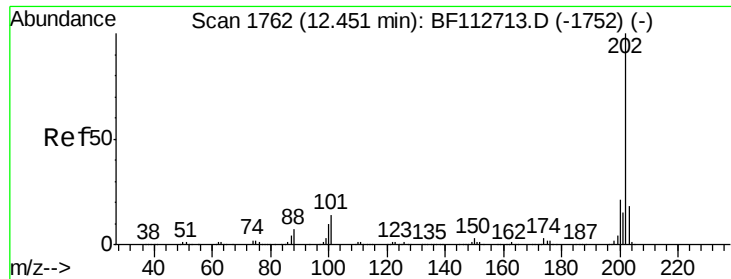
Sohil
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#74
 Di-n-butylphthalate
 Concen: 21.256 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. -0.02 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	4.4	3.7	5.5





#75

Fluoranthene

Concen: 20.636 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

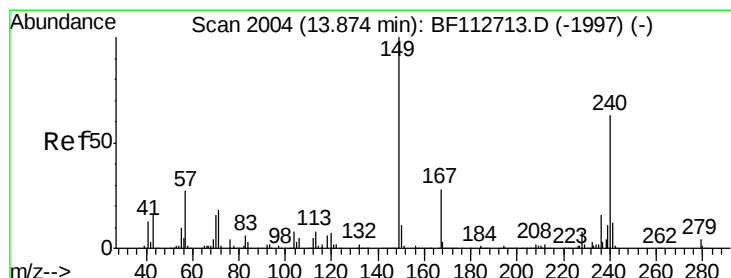
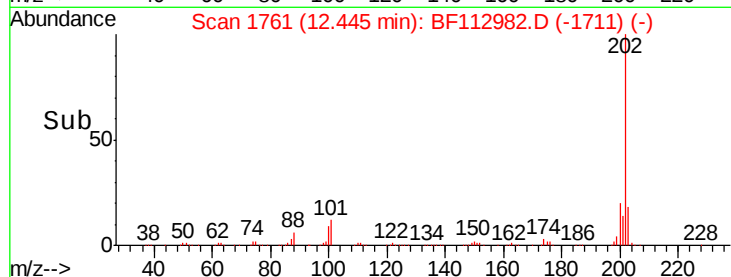
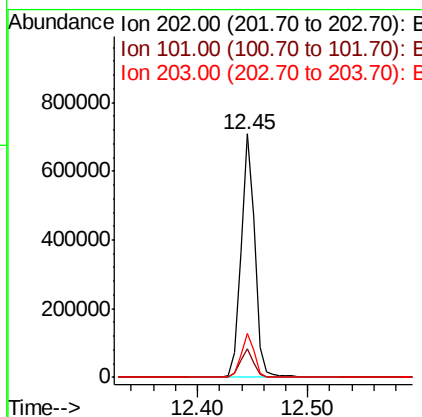
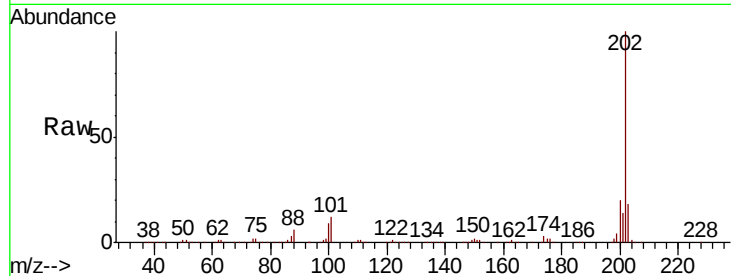
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	202	Resp:	617825
Ion Ratio		Lower	Upper
202	100		
101	11.8	0.0	33.8
203	17.8	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

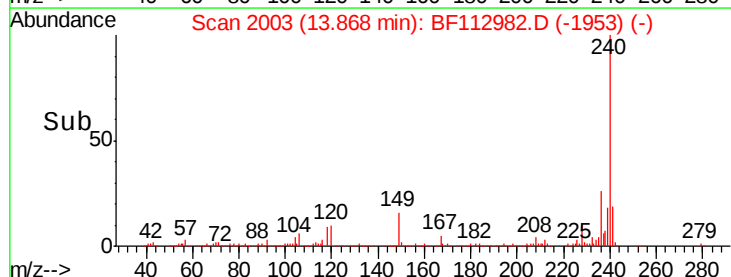
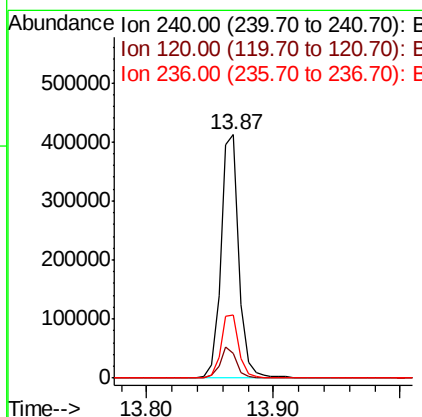
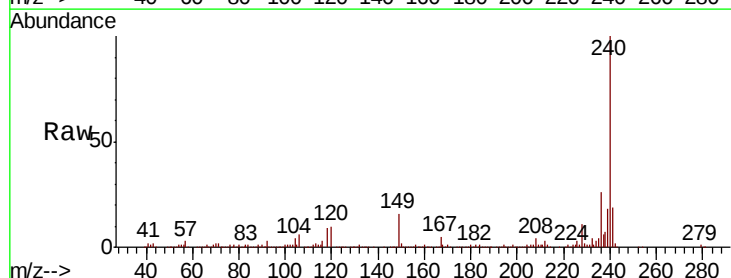
RT: 13.87 min Scan# 2003

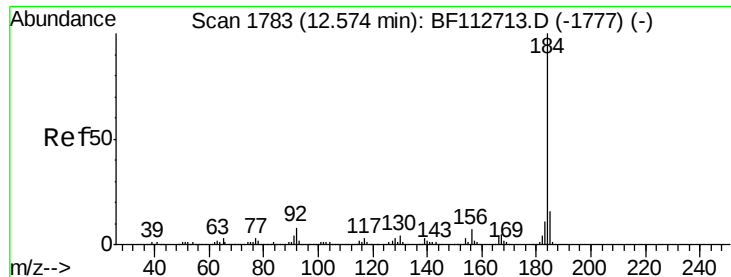
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	240	Resp:	405522
Ion Ratio		Lower	Upper
240	100		
120	9.9	8.9	13.3
236	25.8	20.7	31.1





#77

Benzidine

Concen: 11.087 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Instrument :

BNA_F

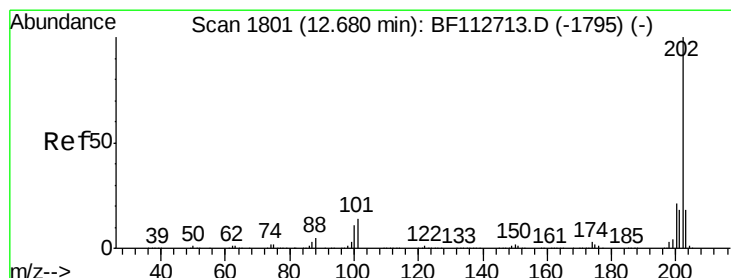
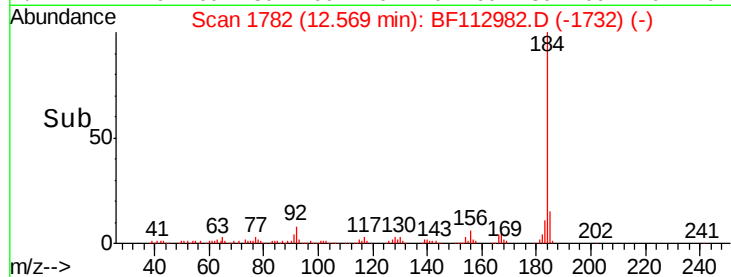
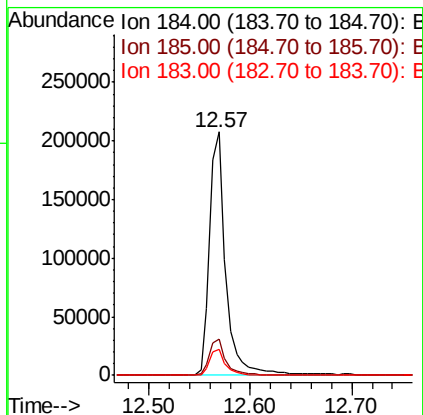
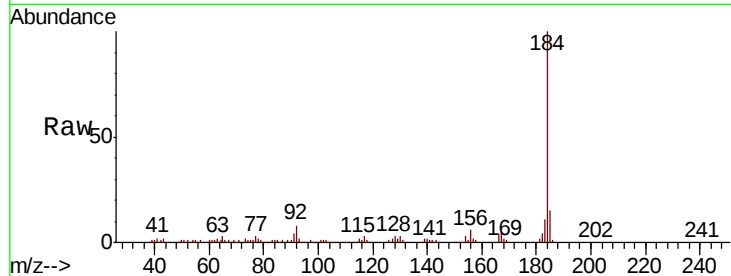
ClientSampleId :

PST-028-B011-030619MSD

Tot Ion:	184	Resp:	233253
Ion Ratio	Lower	Upper	
184	100		
185	15.1	12.6	18.8
183	10.7	8.6	12.8

Manual Integrations
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#78

Pyrene

Concen: 18.081 ng

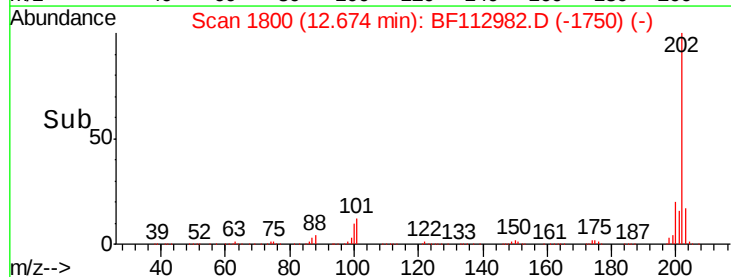
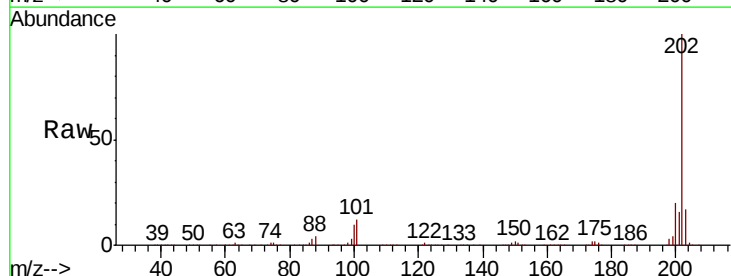
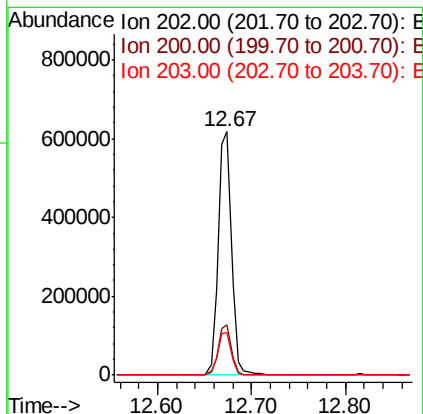
RT: 12.67 min Scan# 1800

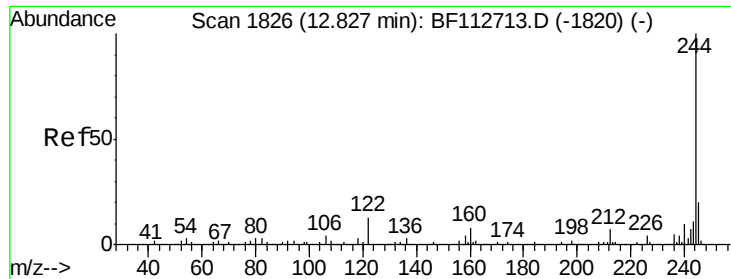
Delta R.T. -0.01 min

Lab File: BF112982.D

Acq: 12 Mar 2019 4:21

Tgt Ion:	202	Resp:	618109
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.0	25.4
203	17.3	14.4	21.6





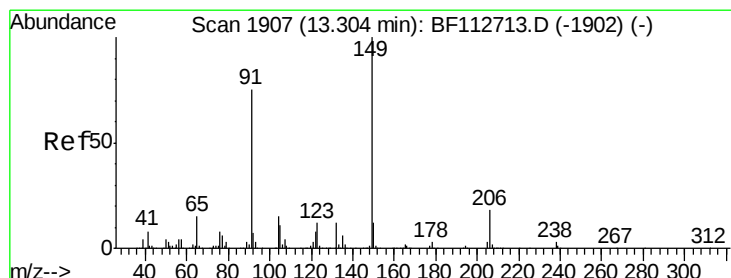
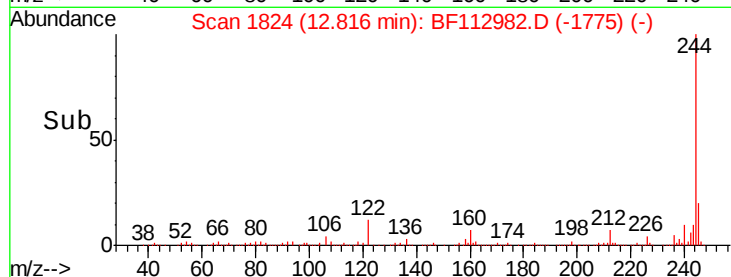
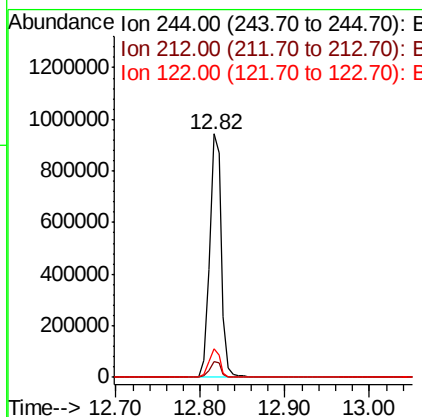
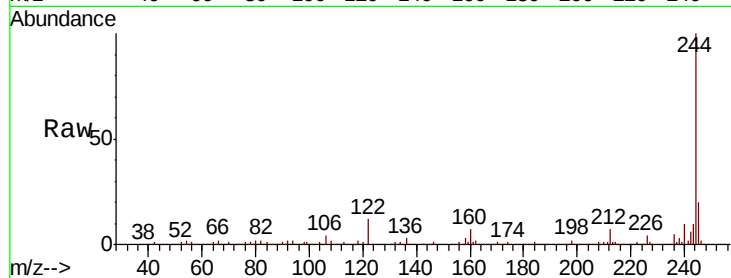
#79
 Terphenyl-d14
 Concen: 44.271 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.9	10.5	15.7

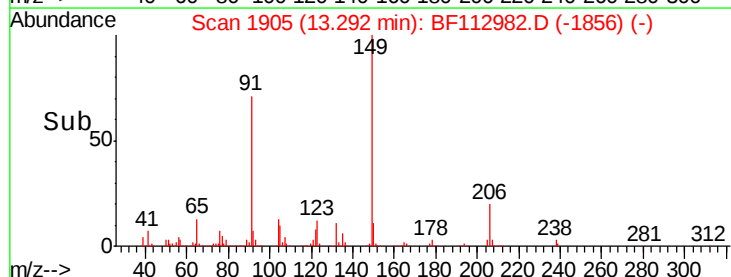
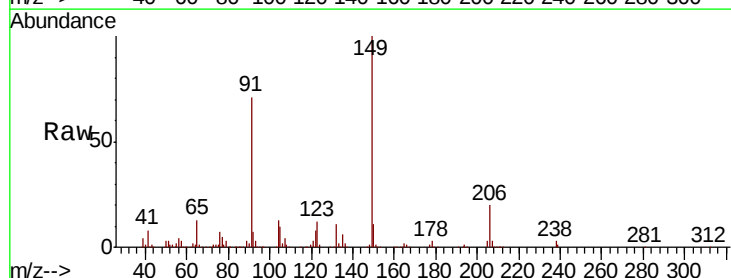
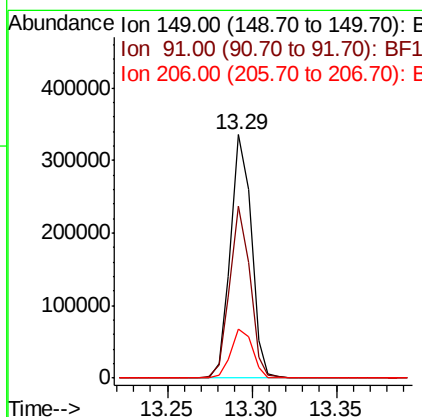
Manual Integrations
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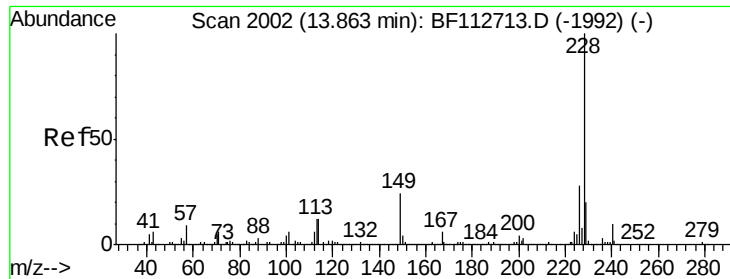
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#80
 Butylbenzylphthalate
 Concen: 19.190 ng
 RT: 13.29 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.8	59.9	89.9
206	19.9	14.7	22.1





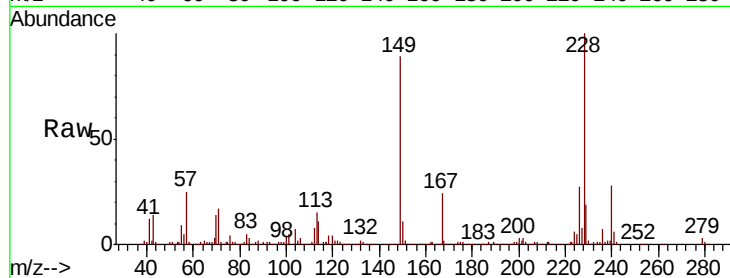
#81
Benzo(a)anthracene
Concen: 17.961 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.2	33.4
229	19.4	16.0	24.0

Manual Integrations
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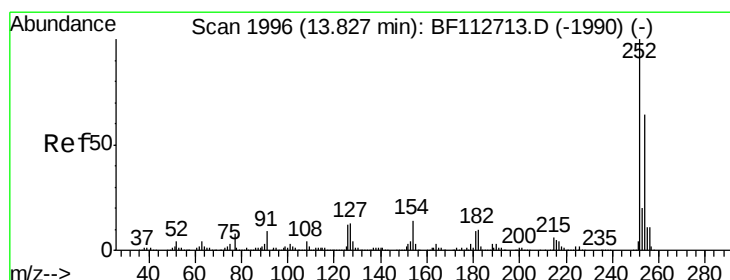
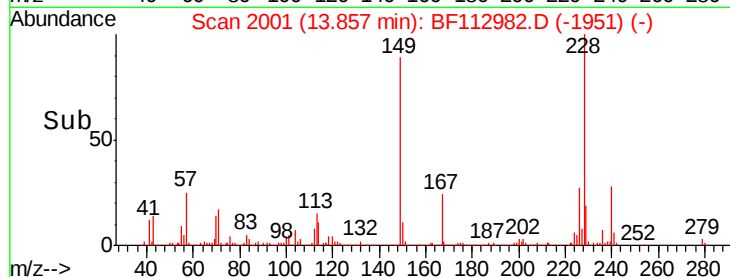
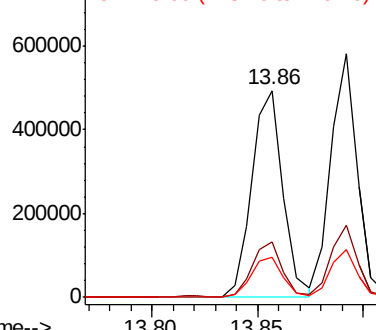


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 18.775 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

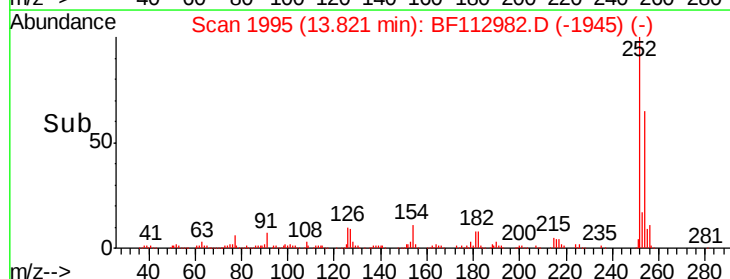
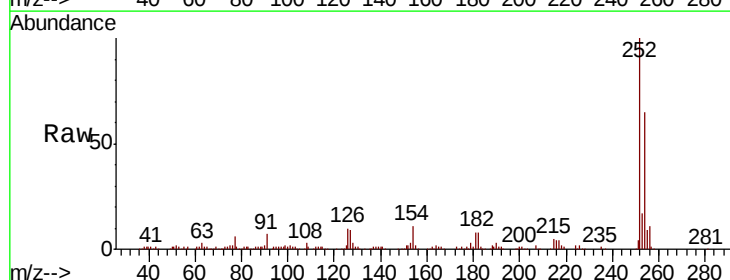
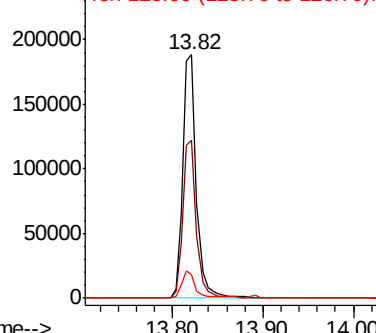
Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.1	76.7
126	9.7	9.9	14.9#

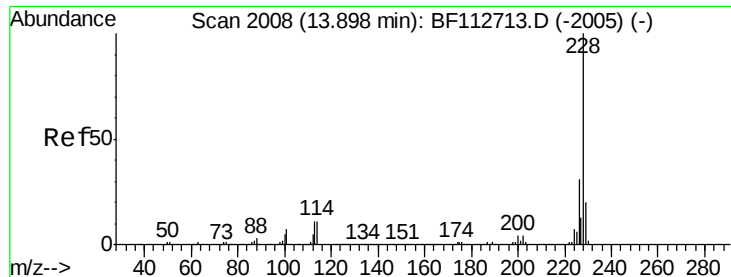
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





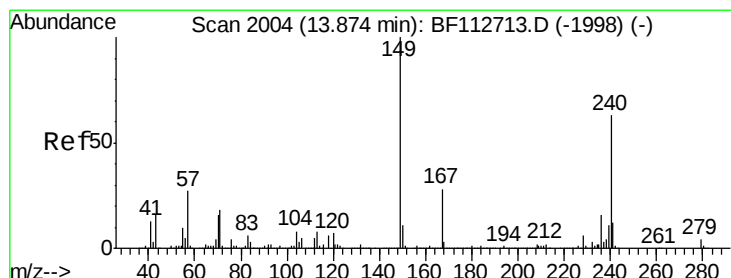
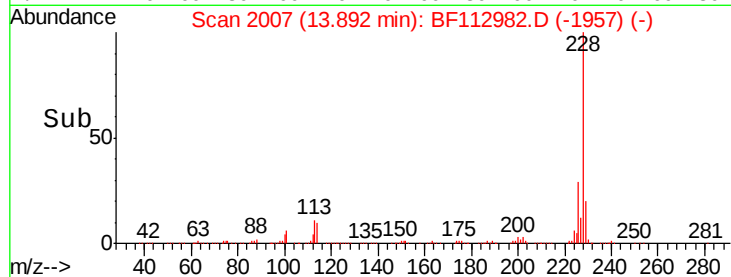
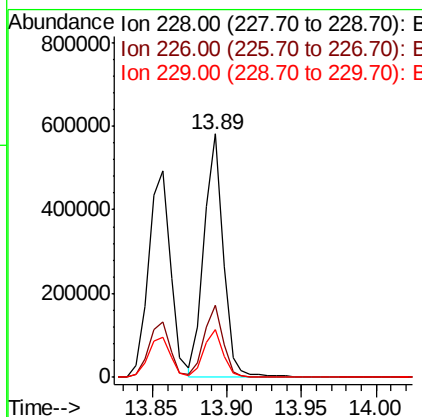
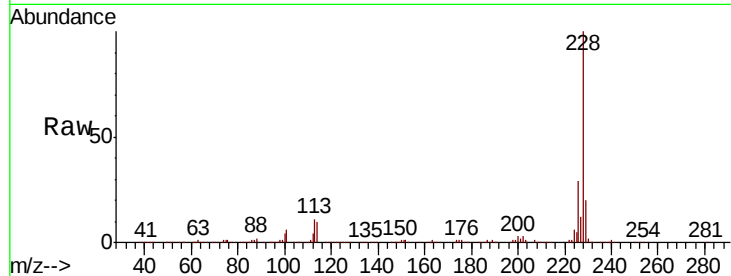
#83
 Chrvsene
 Concen: 18.682 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.9	37.3
229	19.6	16.3	24.5

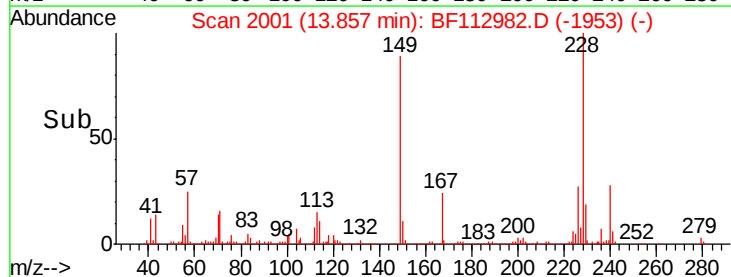
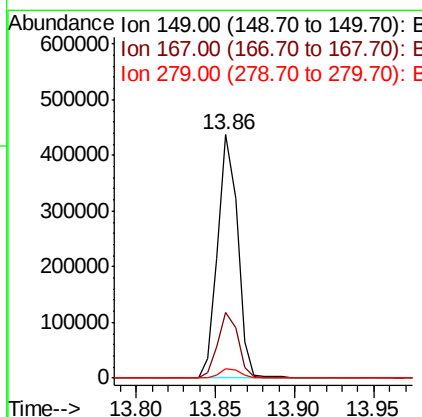
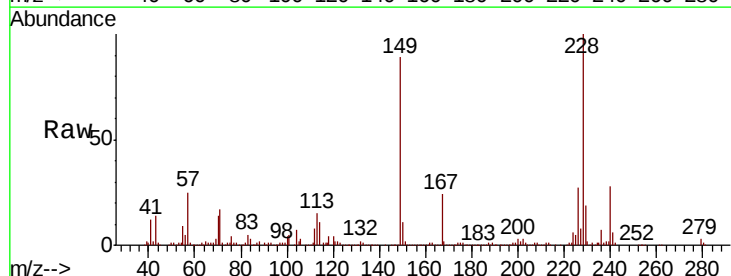
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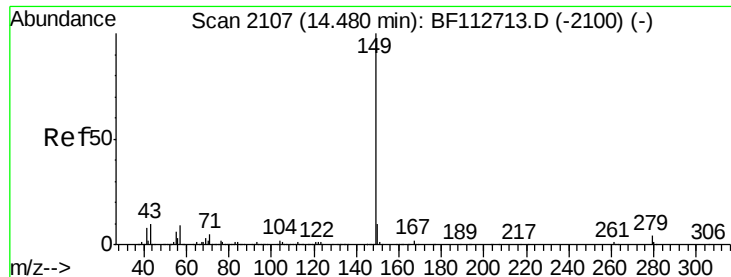
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 21.811 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF112982.D
 Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.4	33.6
279	3.7	3.3	4.9





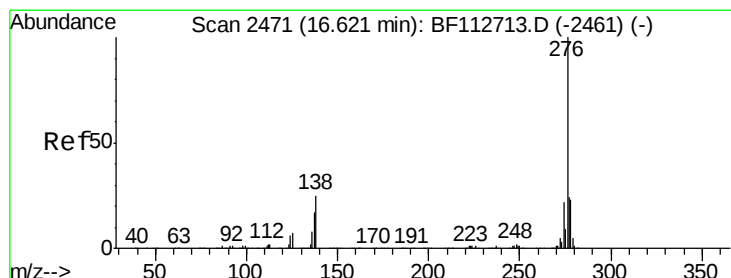
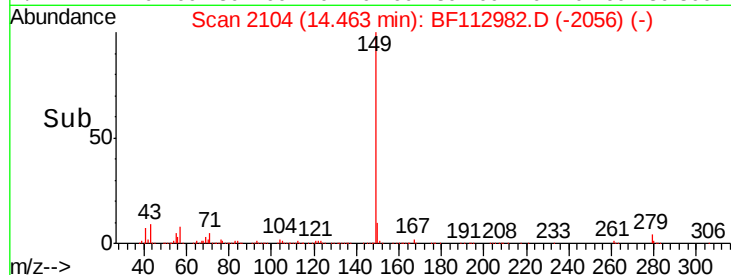
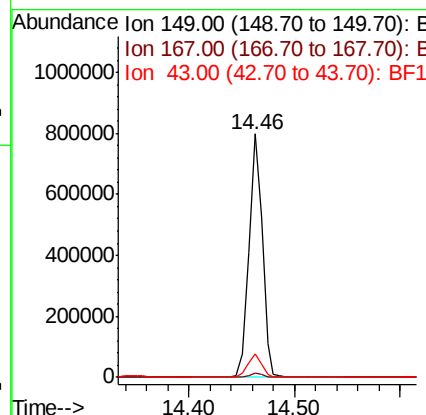
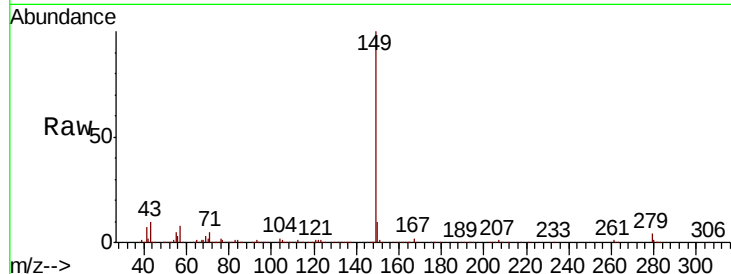
#85
Di-n-octyl phthalate
Concen: 22.717 ng
RT: 14.46 min Scan# 2104
Delta R.T. -0.02 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	690426		
167	1.5		1.2	1.8
43	9.4		9.0	13.4

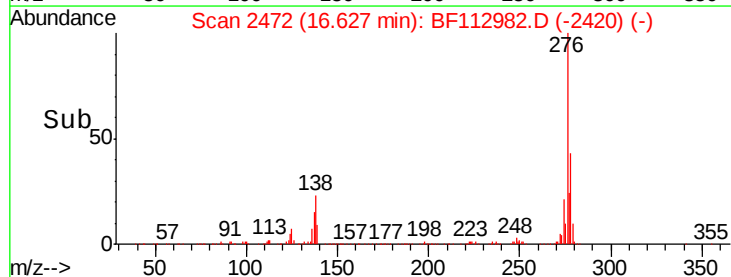
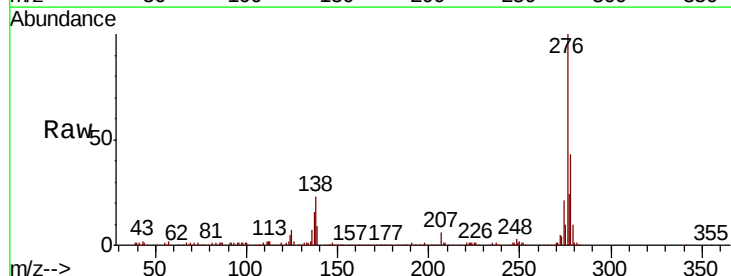
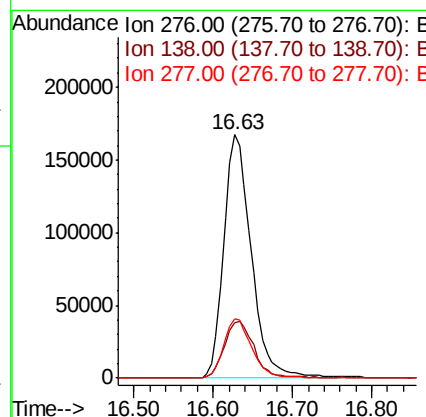
Manual Integrations
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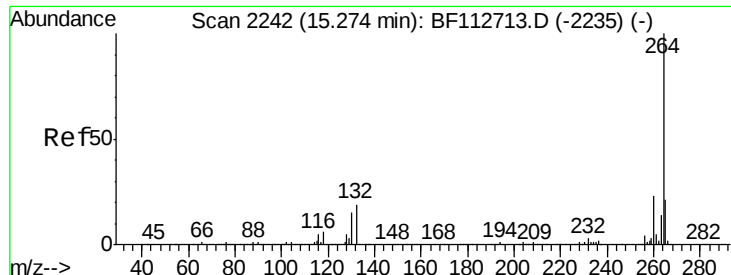
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 17.140 ng
RT: 16.63 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	402278		
138	25.5		23.2	34.8
277	25.0		19.9	29.9





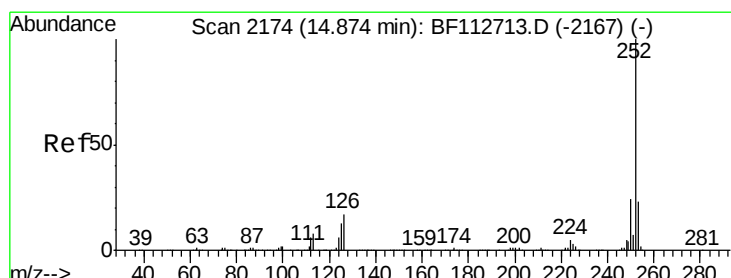
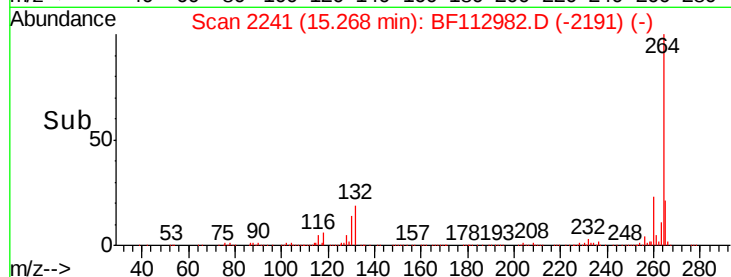
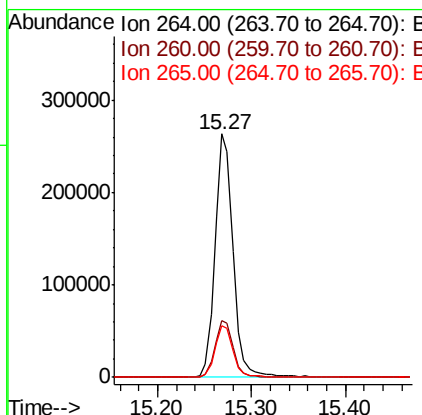
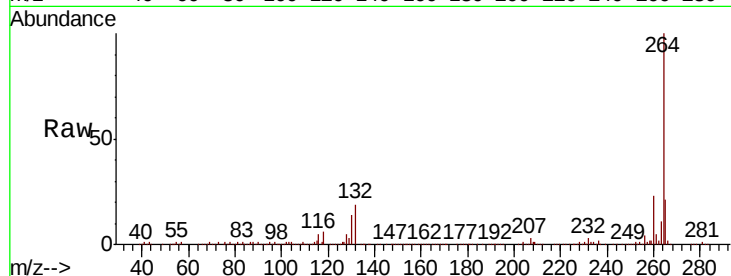
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.3	17.2	25.8

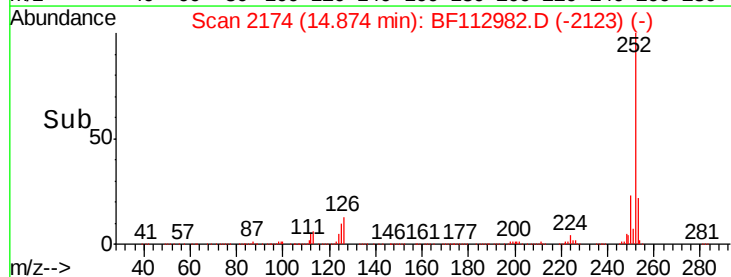
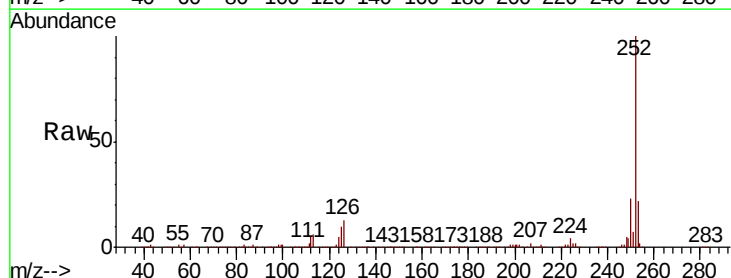
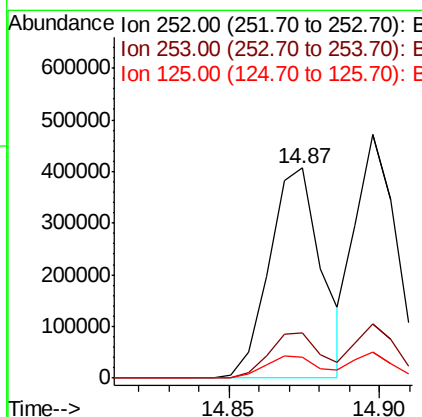
Manual Integrations
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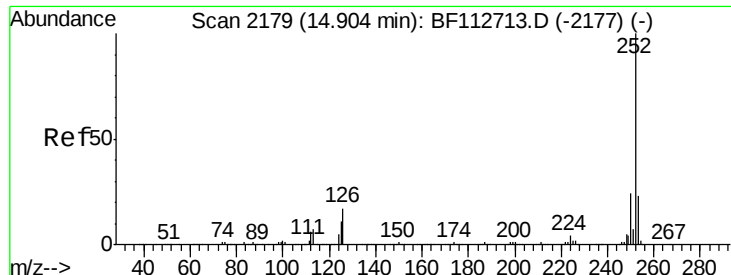
Sohil
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#88
Benzo(b)fluoranthene
Concen: 21.393 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	9.7	10.2	15.2#





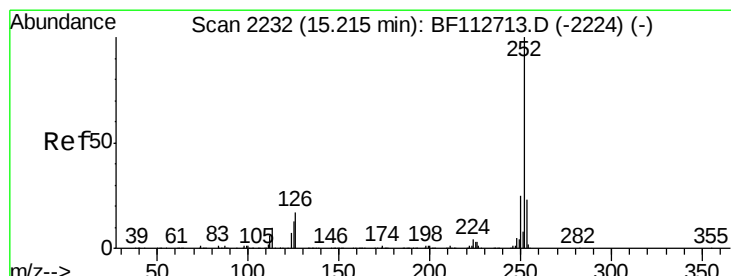
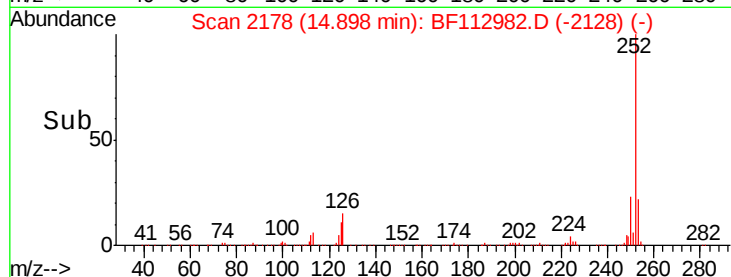
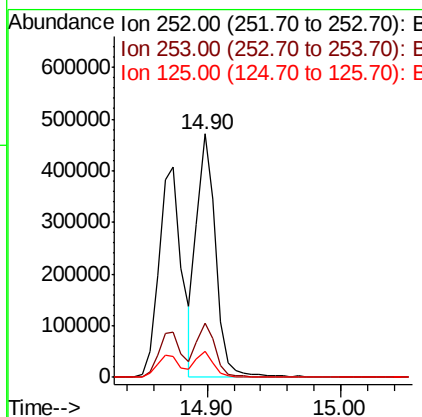
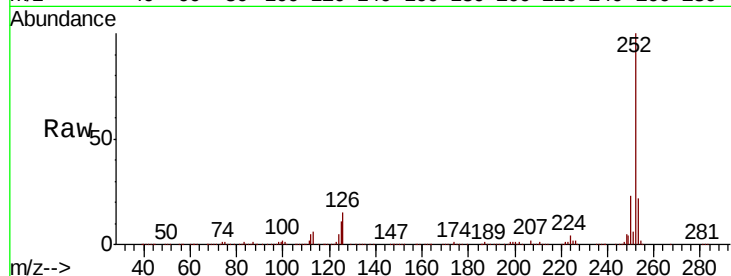
#89
Benzo(k)fluoranthene
Concen: 21.928 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	10.7	9.8	14.6

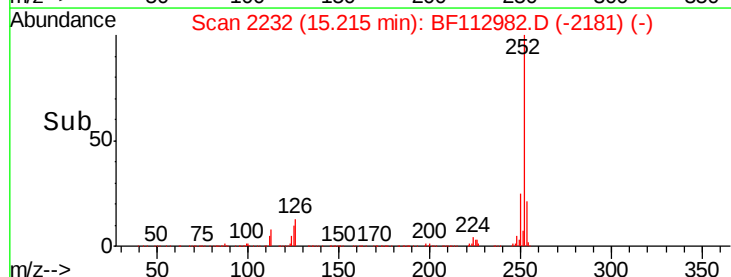
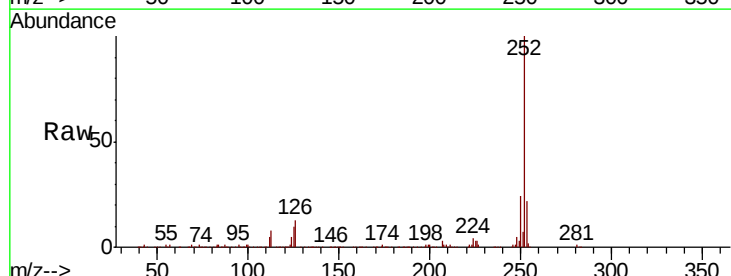
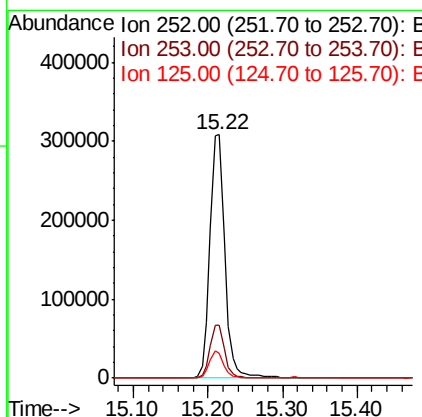
Manual Integrations
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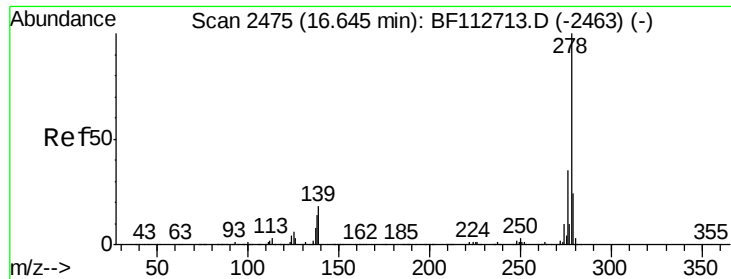
Sohil
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#90
Benzo(a)pyrene
Concen: 21.022 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	10.3	10.7	16.1





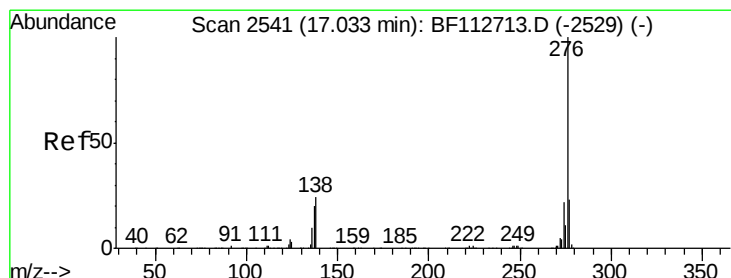
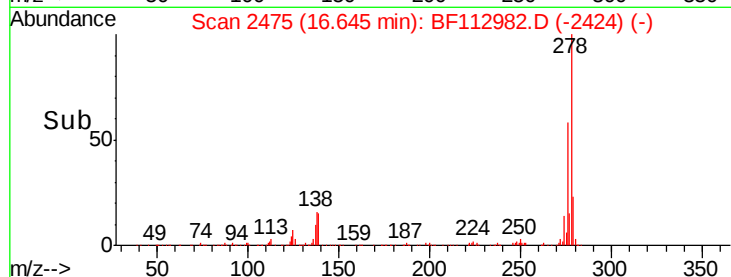
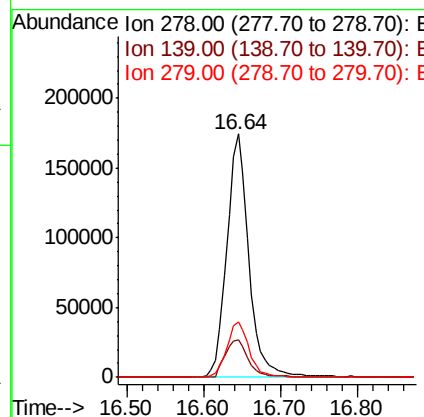
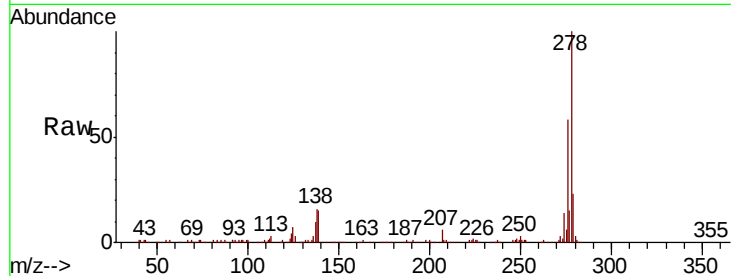
#91
Dibenzo(a,h)anthracene
Concen: 20.136 ng
RT: 16.64 min Scan# 2475
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Instrument :
BNA_F
ClientSampleId :
PST-028-B011-030619MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	14.3	21.5
279	22.9	19.4	29.0

Manual Integrations
APPROVED

Sohil
3/12/2019 4:29:13 PM



#92
Benzo(g,h,i)perylene
Concen: 18.342 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.00 min
Lab File: BF112982.D
Acq: 12 Mar 2019 4:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	27.8
138	21.6	19.4	29.0

