

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042919\
 Data File : BF114020.D
 Acq On : 29 Apr 2019 13:12
 Operator : JU/SJ
 Sample : K2571-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Manual Integrations
 APPROVED

Sohil
 4/30/2019 6:42:15 PM

Quant Time: Apr 30 04:56:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	91243	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	344892	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	174360	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	303592	20.00	ng	0.00
76) Chrysene-d12	14.06	240	206125	20.00	ng	-0.01
87) Perylene-d12	15.56	264	244254	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	596520	111.82	ng	0.00
7) Phenol-d6	6.52	99	782097	116.85	ng	0.00
23) Nitrobenzene-d5	7.45	82	470207	84.18	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	229507	108.05	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	942686	84.56	ng	-0.01
79) Terphenyl-d14	12.99	244	879616	87.49	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	2.72	88	86901	34.557 ng	96
3) Pyridine	3.49	79	221717	32.301 ng	96
4) n-Nitrosodimethylamine	3.42	42	81468	34.672 ng	# 98
6) Aniline	6.55	93	233989	25.459 ng	97
8) 2-Chlorophenol	6.68	128	232422	38.160 ng	98
9) Benzaldehyde	6.44	77	55804	10.125 ng	91
10) Phenol	6.53	94	303340	37.901 ng	99
11) bis(2-Chloroethyl)ether	6.63	93	227894	37.840 ng	96
12) 1,3-Dichlorobenzene	6.84	146	264740	38.379 ng	97
13) 1,4-Dichlorobenzene	6.91	146	269900	38.901 ng	98
14) 1,2-Dichlorobenzene	7.07	146	252105	39.537 ng	97
15) Benzyl Alcohol	7.03	79	192910	42.795 ng	97
16) 2,2'-oxybis(1-Chloropropan	7.17	45	254301	36.171 ng	91
17) 2-Methylphenol	7.15	107	200538	37.562 ng	99
18) Hexachloroethane	7.41	117	92517	38.039 ng	99
19) n-Nitroso-di-n-propylamine	7.30	70	163870	37.807 ng	97
20) 3+4-Methylphenols	7.29	107	237844	39.431 ng	# 81
22) Acetophenone	7.30	105	326988	42.604 ng	# 96
24) Nitrobenzene	7.47	77	253236	41.029 ng	99
25) Isophorone	7.71	82	450484	39.414 ng	100
26) 2-Nitrophenol	7.79	139	123818	43.973 ng	93
27) 2,4-Dimethylphenol	7.82	122	201983	44.028 ng	98
28) bis(2-Chloroethoxy)methane	7.92	93	290127	39.836 ng	99
29) 2,4-Dichlorophenol	8.03	162	214401	40.869 ng	100
30) 1,2,4-Trichlorobenzene	8.12	180	237406	40.586 ng	99
31) Naphthalene	8.20	128	682886	41.679 ng	99
32) Benzoic acid	7.90	122	41260	13.318 ng	95
33) 4-Chloroaniline	8.24	127	150339	21.685 ng	95
34) Hexachlorobutadiene	8.32	225	143819	39.441 ng	97
35) Caprolactam	8.59	113	52642m	31.544 ng	
36) 4-Chloro-3-methylphenol	8.72	107	208428	40.102 ng	97
37) 2-Methylnaphthalene	8.89	142	465766	42.156 ng	99
38) 1-Methylnaphthalene	8.99	142	432115	40.522 ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	237295	41.897 ng	100

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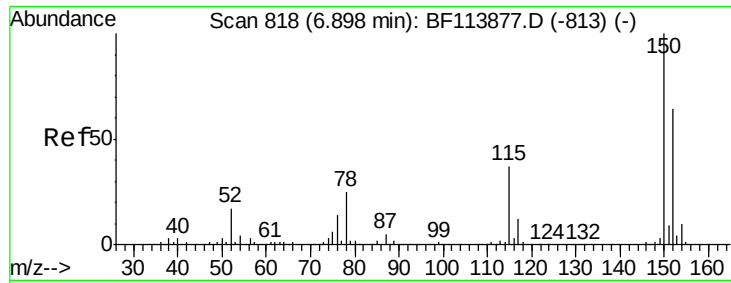
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	243108	76.973	ng	99
43) 2,4,6-Trichlorophenol	9.16	196	154775	43.035	ng	99
44) 2,4,5-Trichlorophenol	9.20	196	166022	41.156	ng	95
46) 1,1'-Biphenyl	9.35	154	577416	43.350	ng	99
47) 2-Chloronaphthalene	9.37	162	460614	42.524	ng	99
48) 2-Nitroaniline	9.46	65	125303	44.128	ng	89
49) Acenaphthylene	9.79	152	698759	41.206	ng	98
50) Dimethylphthalate	9.65	163	630607	50.008	ng	99
51) 2,6-Dinitrotoluene	9.70	165	120635	44.592	ng	98
52) Acenaphthene	9.96	154	424758	42.384	ng	98
53) 3-Nitroaniline	9.87	138	92952	32.697	ng	96
54) 2,4-Dinitrophenol	9.97	184	53840	49.535	ng	# 5
55) Dibenzofuran	10.13	168	626917	41.762	ng	99
56) 4-Nitrophenol	10.03	139	164487	73.077	ng	92
57) 2,4-Dinitrotoluene	10.10	165	152666	44.708	ng	96
58) Fluorene	10.47	166	462635	40.934	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.25	232	133543	37.671	ng	98
60) Diethylphthalate	10.34	149	497329	41.531	ng	99
61) 4-Chlorophenyl-phenylether	10.46	204	246146	41.124	ng	97
62) 4-Nitroaniline	10.48	138	105550	38.047	ng	96
63) Azobenzene	10.62	77	451488	38.902	ng	99
65) 4,6-Dinitro-2-methylphenol	10.52	198	46074	35.378	ng	95
66) n-Nitrosodiphenylamine	10.58	169	417966	45.883	ng	98
67) 4-Bromophenyl-phenylether	10.96	248	151759	41.379	ng	96
68) Hexachlorobenzene	11.03	284	162888	40.417	ng	99
69) Atrazine	11.10	200	129321	43.641	ng	97
70) Pentachlorophenol	11.22	266	149443	65.492	ng	97
71) Phenanthrene	11.44	178	651512	42.702	ng	99
72) Anthracene	11.49	178	660286	42.855	ng	100
73) Carbazole	11.64	167	560940	40.809	ng	100
74) Di-n-butylphthalate	11.97	149	700724	43.337	ng	99
75) Fluoranthene	12.63	202	647702	38.910	ng	97
77) Benzidine	12.74	184	148403	24.163	ng	95
78) Pyrene	12.85	202	631563	43.814	ng	99
80) Butylbenzylphthalate	13.46	149	261572	46.121	ng	98
81) Benzo(a)anthracene	14.04	228	532388	43.838	ng	99
82) 3,3'-Dichlorobenzidine	14.00	252	72766	16.347	ng	99
83) Chrysene	14.08	228	539457	45.610	ng	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	371089	51.427	ng	99
85) Di-n-octyl phthalate	14.67	149	610034	54.012	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	731571	65.299	ng	99
88) Benzo(b)fluoranthene	15.12	252	618192	40.003	ng	99
89) Benzo(k)fluoranthene	15.15	252	531677	39.997	ng	99
90) Benzo(a)pyrene	15.49	252	574277	42.963	ng	99
91) Dibenzo(a,h)anthracene	17.06	278	615135	49.024	ng	99
92) Benzo(g,h,i)perylene	17.50	276	627630	49.565	ng	98

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



#1

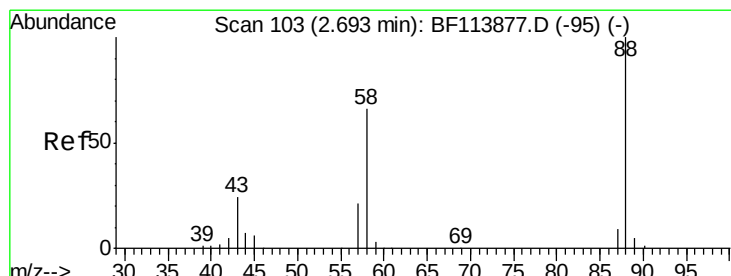
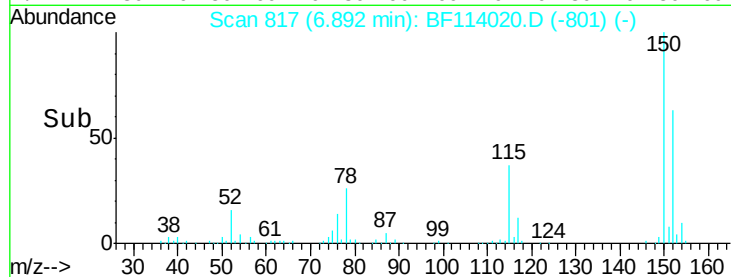
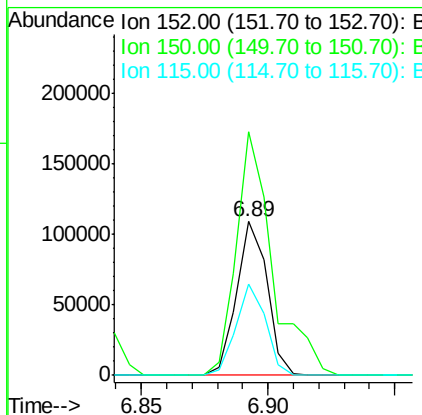
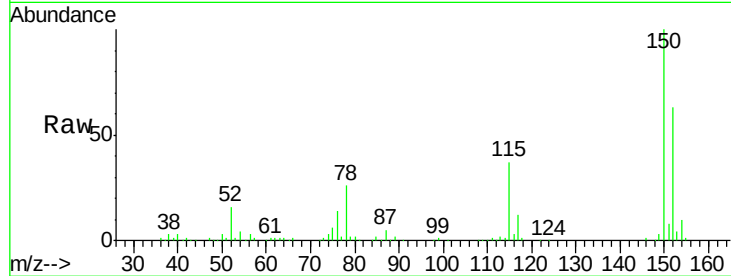
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.9	188.9
115	59.3	45.9	68.9

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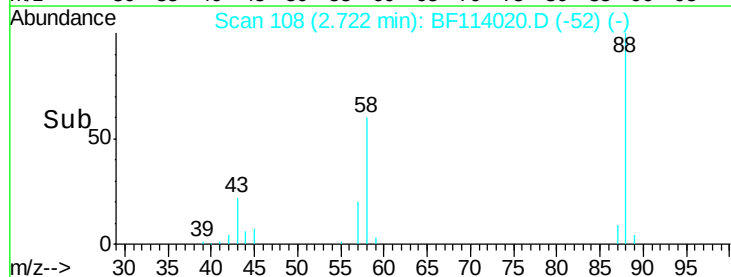
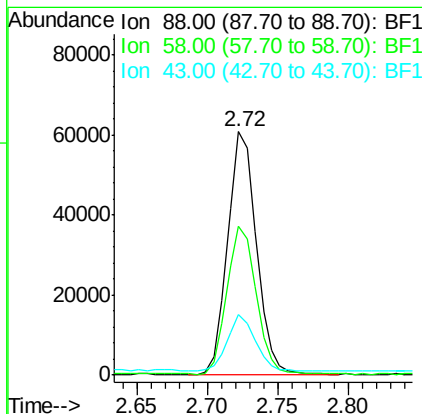
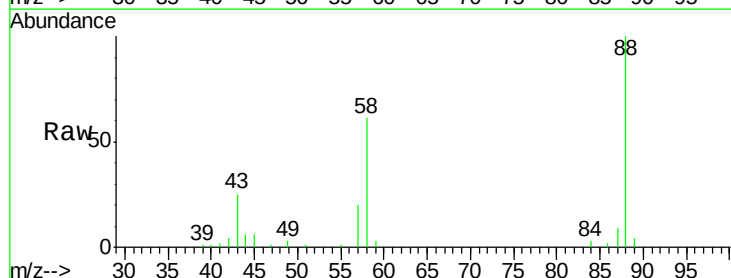
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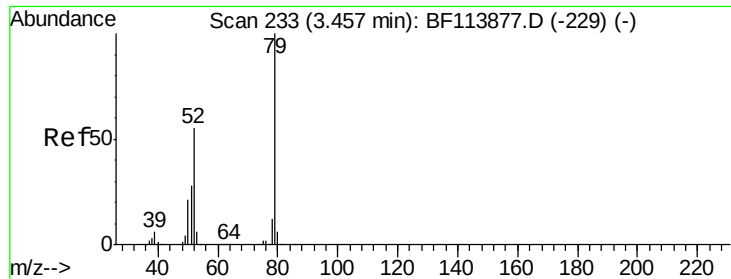


#2

1,4-Dioxane
Concen: 34.557 ng
RT: 2.72 min Scan# 108
Delta R.T. 0.03 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.4	53.3	79.9
43	22.4	19.0	28.4





#3

Pyridine

Concen: 32.301 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.03 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

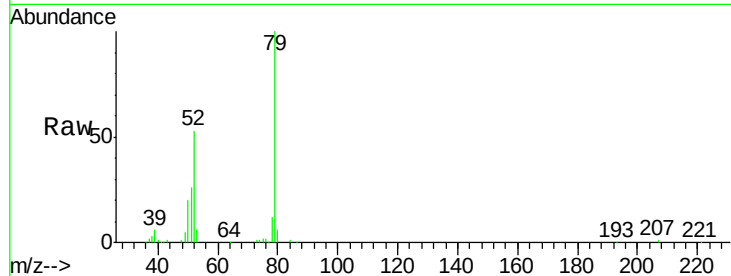
ClientSampleId :

114-PENNINGTONMSD

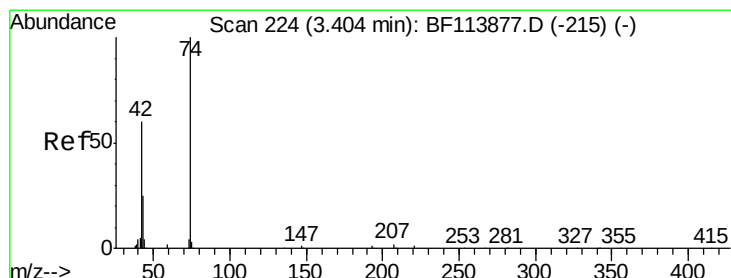
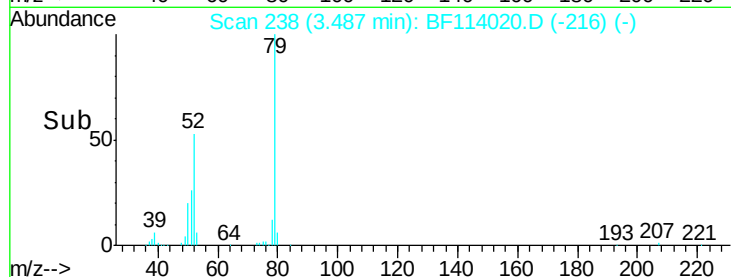
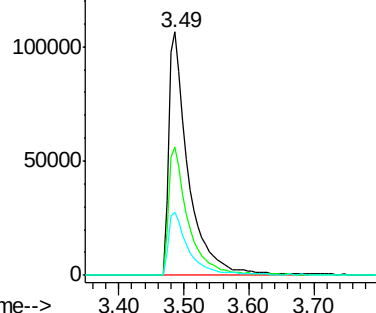
Tgt Ion:	79	Resp:	221717
Ion Ratio	Lower	Upper	
79	100		
52	53.0	45.3	67.9
51	25.8	22.1	33.1

Manual Integrations
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Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 34.672 ng

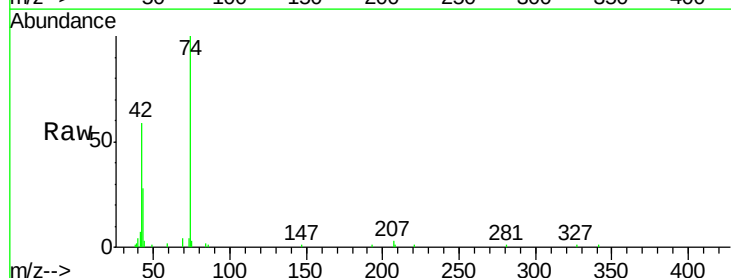
RT: 3.42 min Scan# 226

Delta R.T. 0.01 min

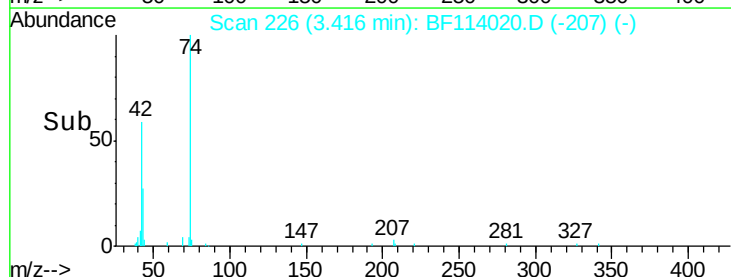
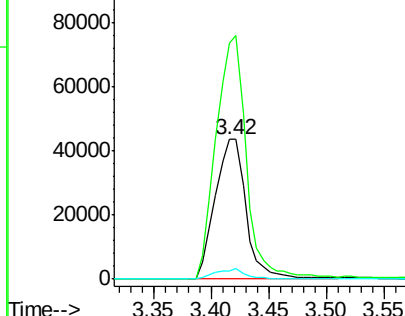
Lab File: BF114020.D

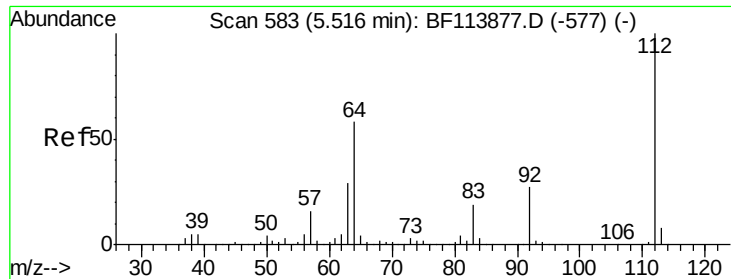
Acq: 29 Apr 2019 13:12

Tgt Ion:	42	Resp:	81468
Ion Ratio	Lower	Upper	
42	100		
74	168.4	132.6	198.8
44	5.8	5.8	8.8#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 111.818 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

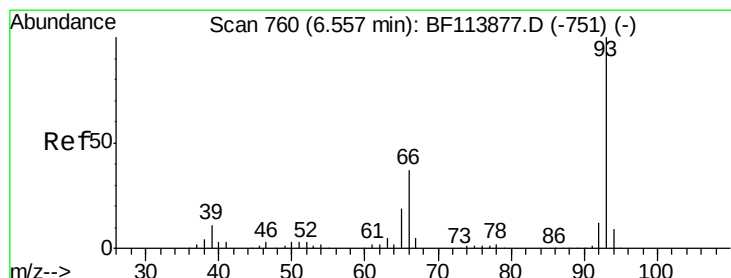
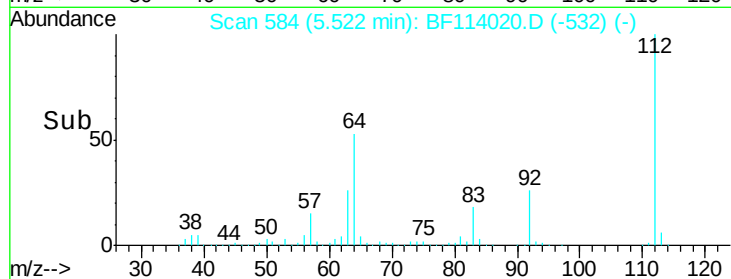
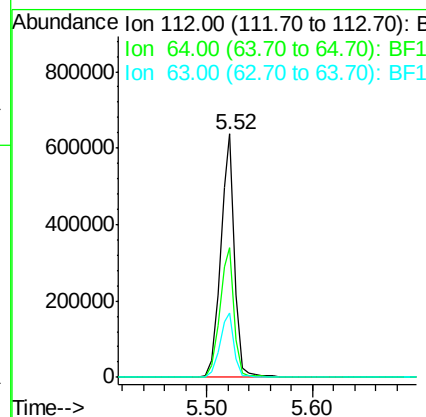
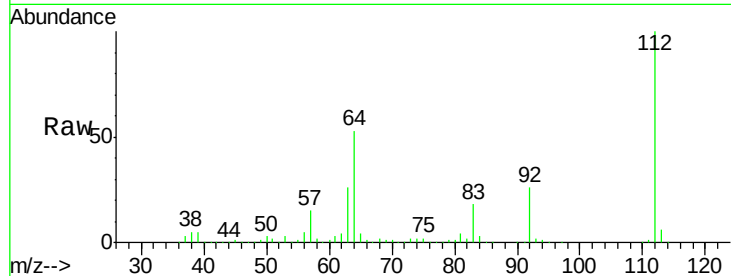
ClientSampleId :

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Tgt Ion:	112	Resp:	596520
Ion Ratio	Lower	Upper	
112	100		
64	53.3	46.6	69.8
63	26.5	23.1	34.7

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#6

Aniline

Concen: 25.459 ng

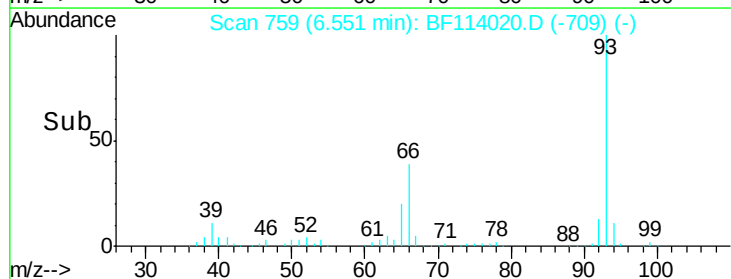
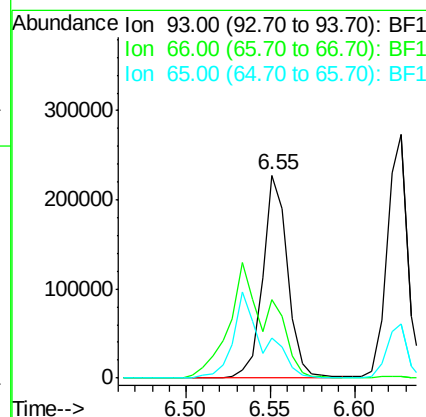
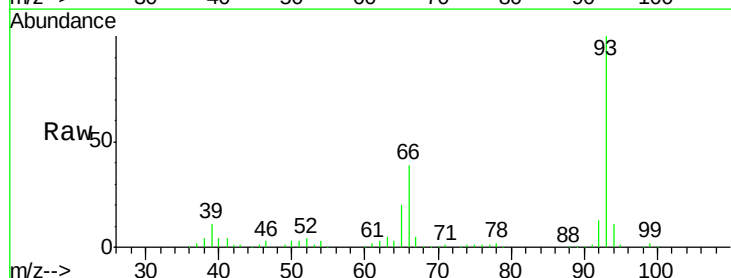
RT: 6.55 min Scan# 759

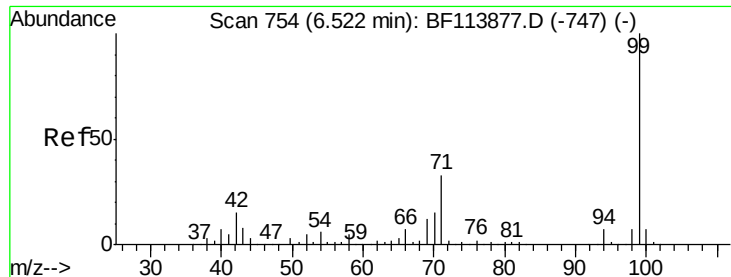
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	93	Resp:	233989
Ion Ratio	Lower	Upper	
93	100		
66	38.8	29.8	44.6
65	20.0	14.9	22.3





#7

Phenol-d6

Concen: 116.852 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 782097

Ion Ratio Lower Upper

99 100

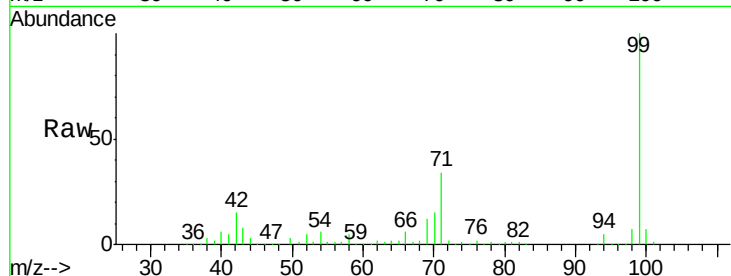
42 15.0 12.5 18.7

71 34.4 26.9 40.3

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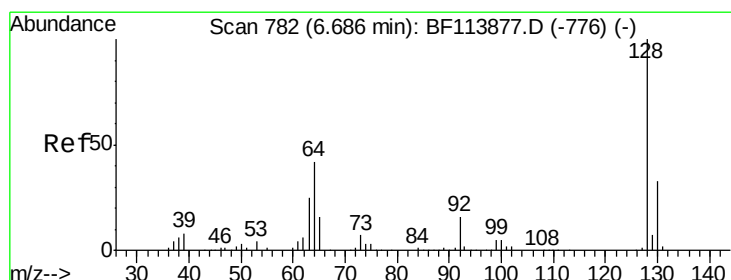
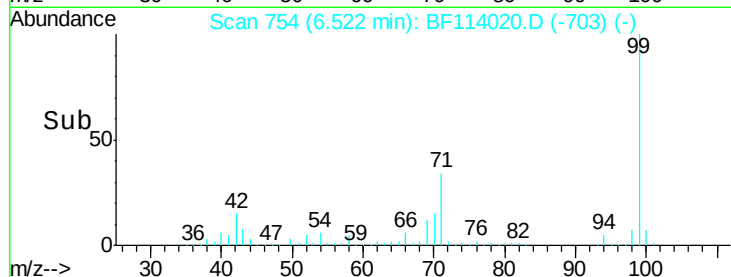
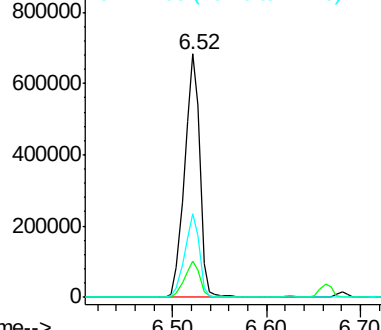
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 38.160 ng

RT: 6.68 min Scan# 781

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

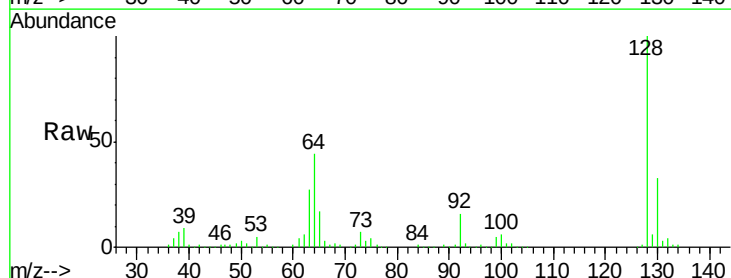
Tgt Ion: 128 Resp: 232422

Ion Ratio Lower Upper

128 100

130 32.8 12.3 52.3

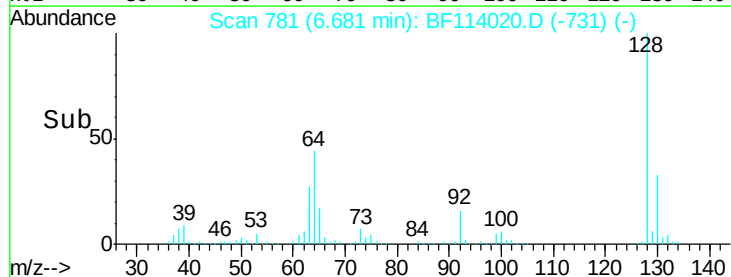
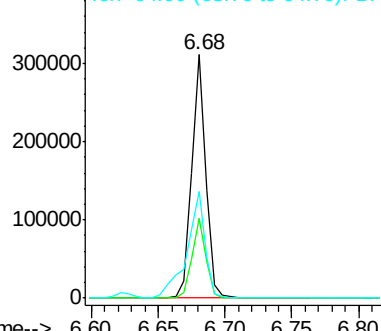
64 44.0 26.1 66.1

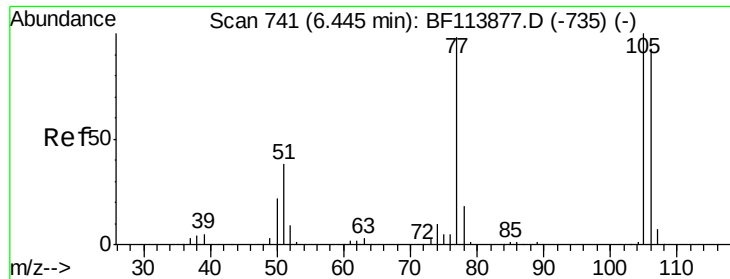


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 10.125 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

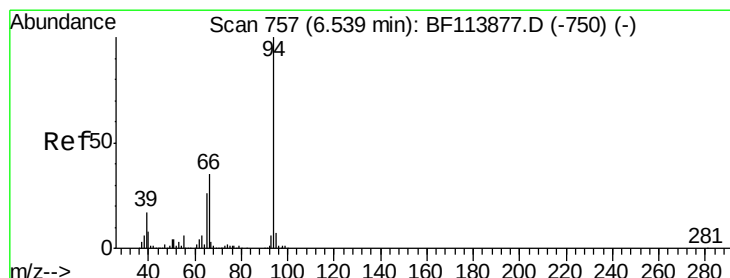
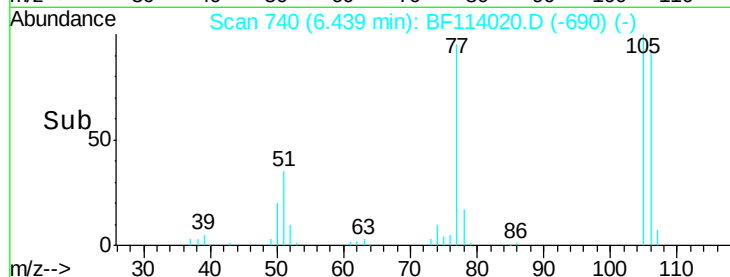
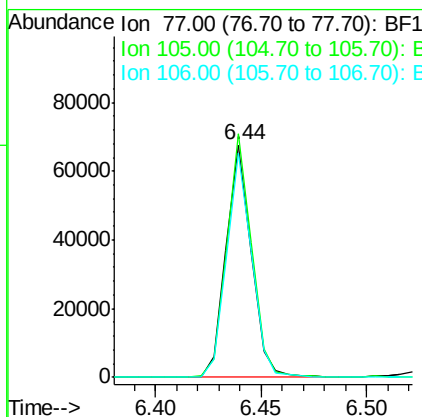
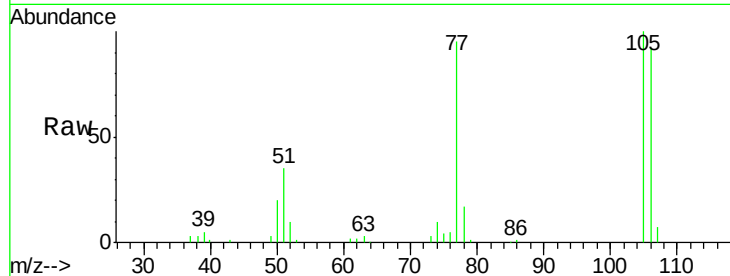
ClientSampleId :

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Tgt Ion:	77	Resp:	55804
Ion	Ratio	Lower	Upper
77	100		
105	104.9	74.1	114.1
106	96.6	70.3	110.3

Manual Integrations
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#10

Phenol

Concen: 37.901 ng

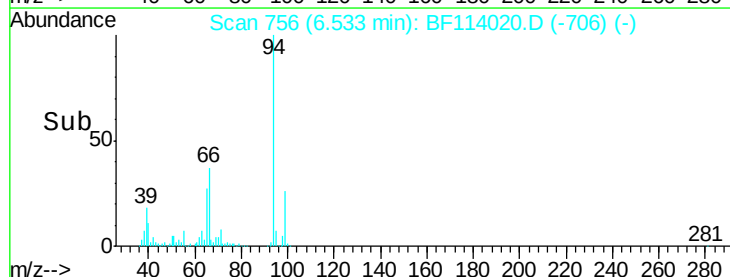
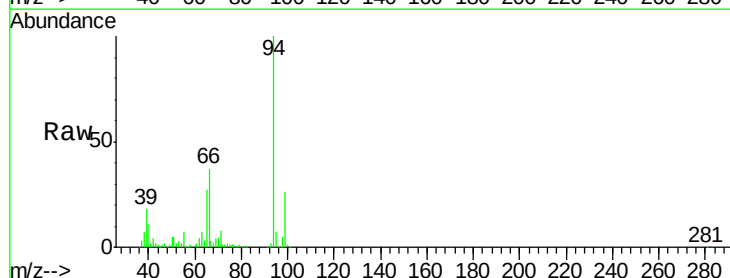
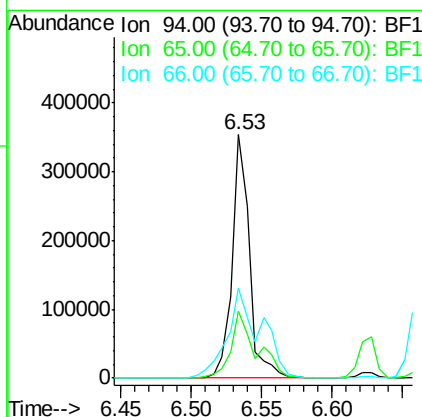
RT: 6.53 min Scan# 756

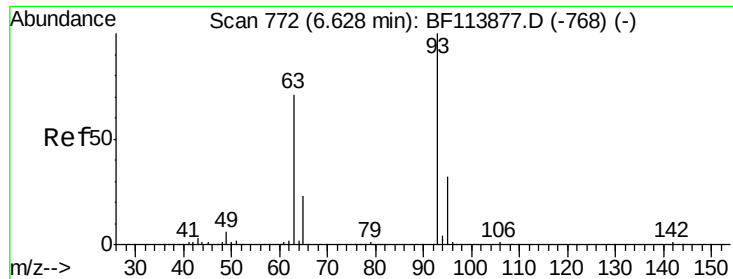
Delta R.T. -0.01 min

Lab File: BF114020.D

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Tgt Ion:	94	Resp:	303340
Ion	Ratio	Lower	Upper
94	100		
65	27.4	8.1	48.1
66	36.8	16.6	56.6





#11

bis(2-Chloroethyl)ether

Concen: 37.840 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.00 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

ClientSampleId :

114-PENNINGTONMSD

Tgt Ion: 93 Resp: 227894

Ion Ratio Lower Upper

93 100

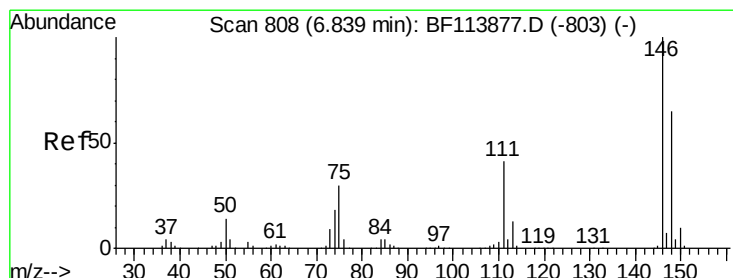
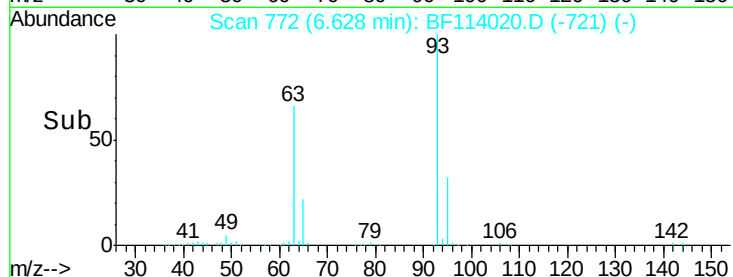
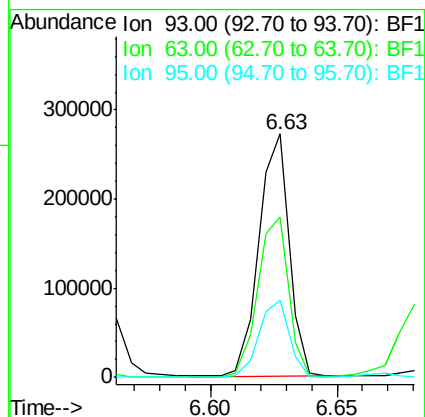
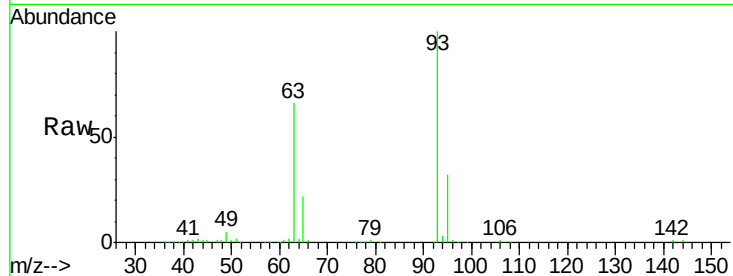
63 65.8 50.7 90.7

95 31.8 12.3 52.3

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#12

1,3-Dichlorobenzene

Concen: 38.379 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

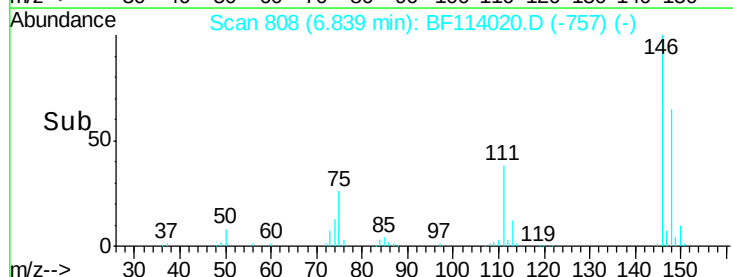
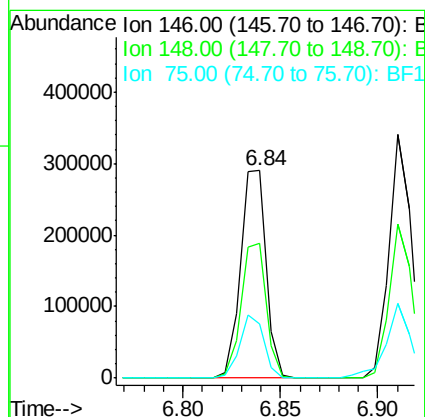
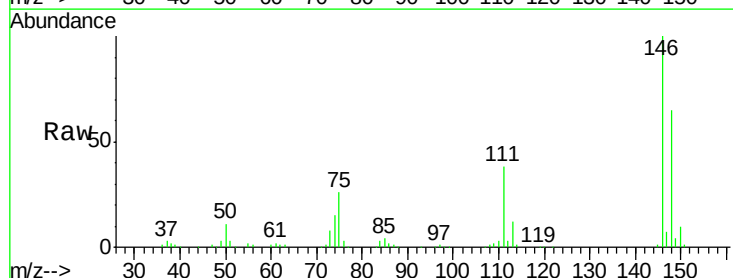
Tgt Ion: 146 Resp: 264740

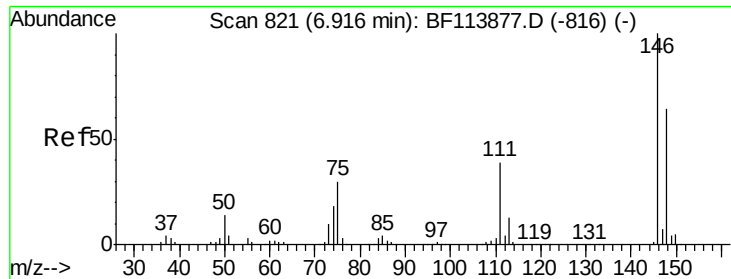
Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.6

75 26.3 23.8 35.8





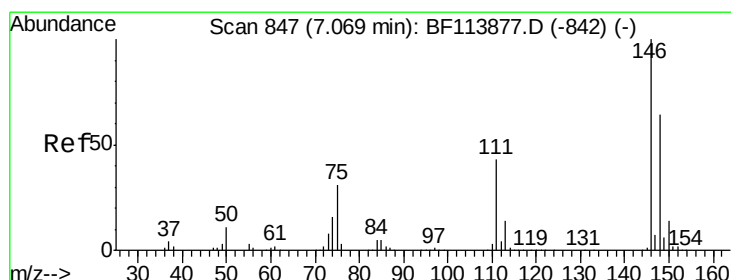
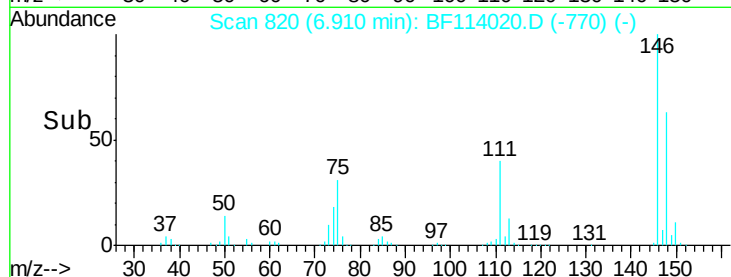
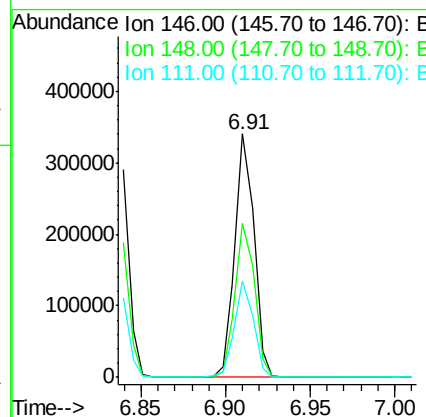
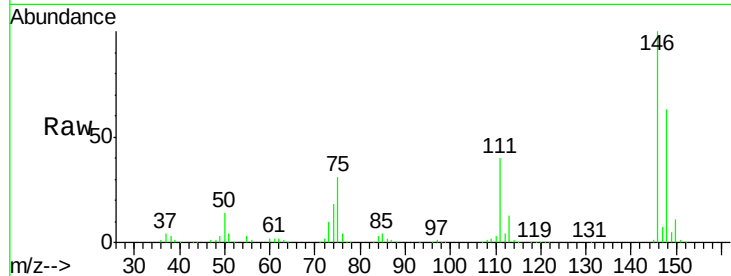
#13
 1,4-Dichlorobenzene
 Concen: 38.901 ng
 RT: 6.91 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269900		
148	63.4	51.8	77.8	
111	39.6	30.9	46.3	

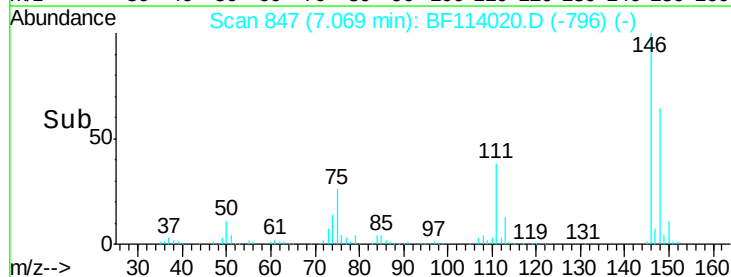
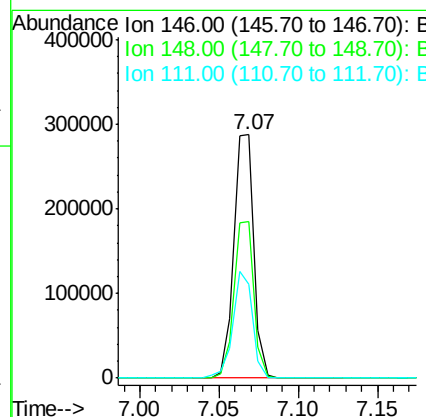
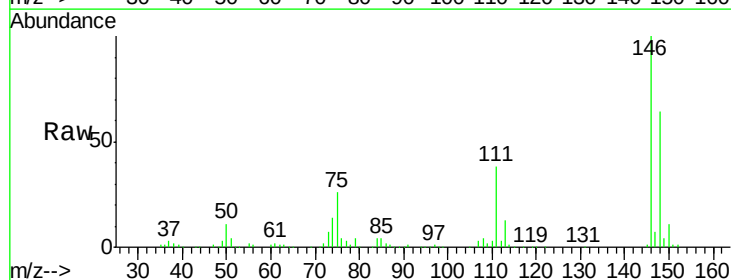
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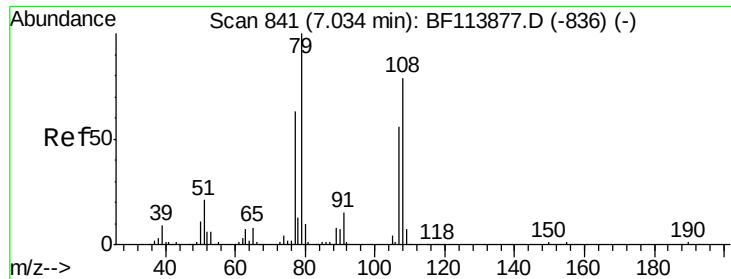
Sohil
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#14
 1,2-Dichlorobenzene
 Concen: 39.537 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	252105		
148	64.4	52.1	78.1	
111	38.4	34.2	51.4	





#15

Benzyl Alcohol

Concen: 42.795 ng

RT: 7.03 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

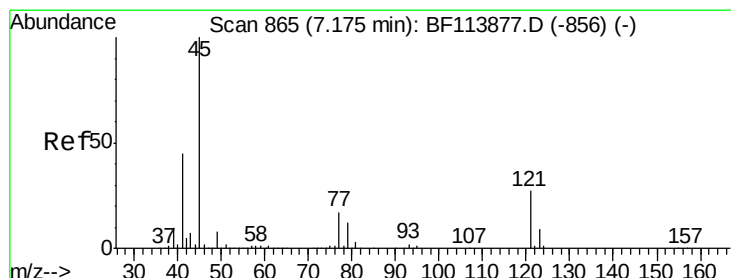
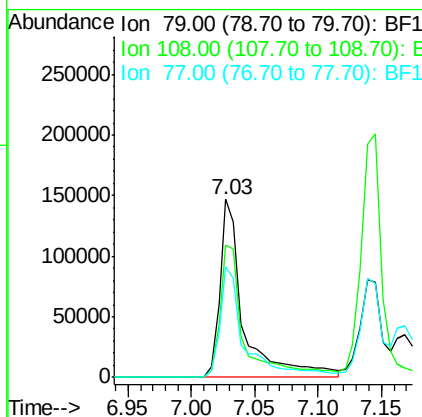
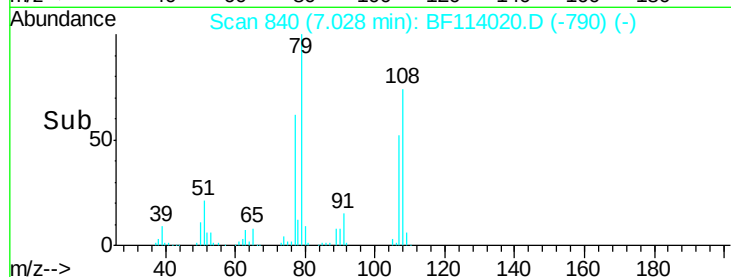
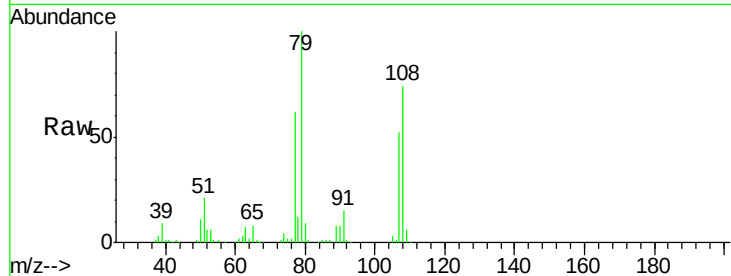
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	79	Resp:	192910
Ion Ratio	Lower	Upper	
79	100		
108	74.2	61.4	92.0
77	62.4	51.6	77.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.171 ng

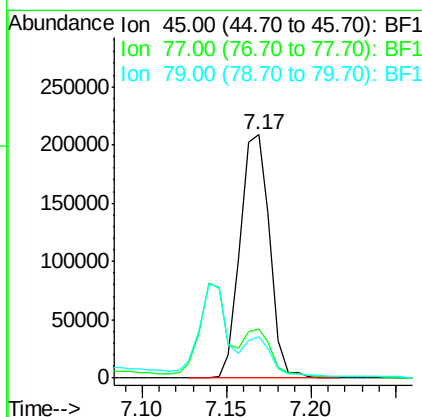
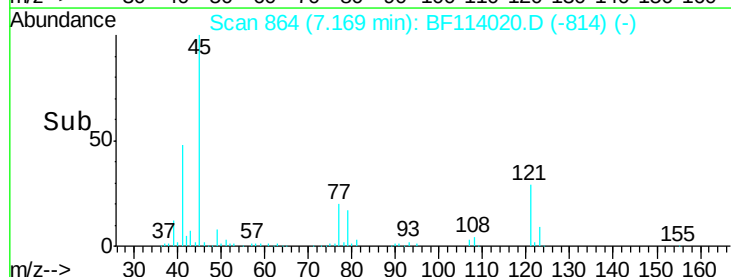
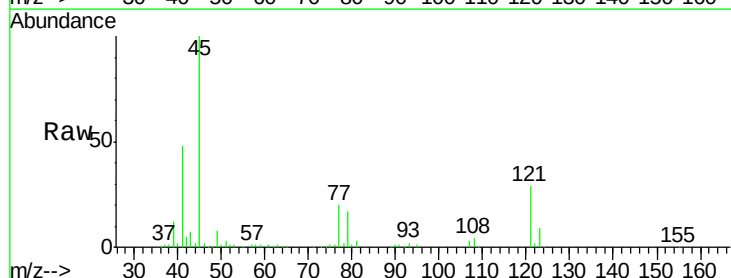
RT: 7.17 min Scan# 864

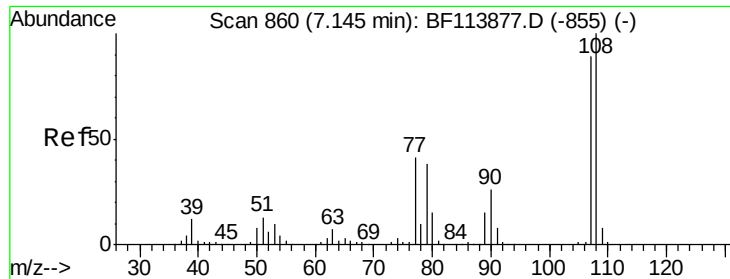
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	45	Resp:	254301
Ion Ratio	Lower	Upper	
45	100		
77	20.3	0.0	37.0
79	16.9	0.0	32.7





#17

2-Methylphenol

Concen: 37.562 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.00 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

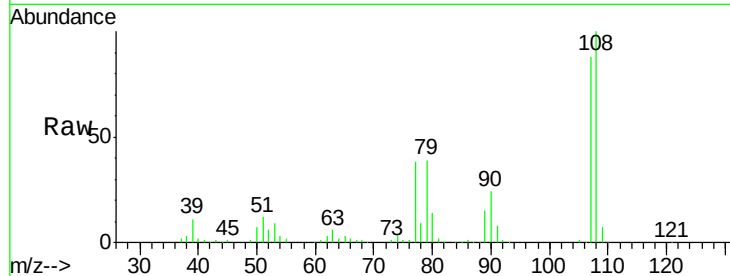
ClientSampleId :

114-PENNINGTONMSD

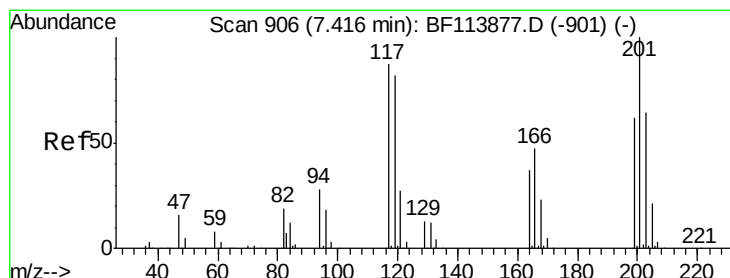
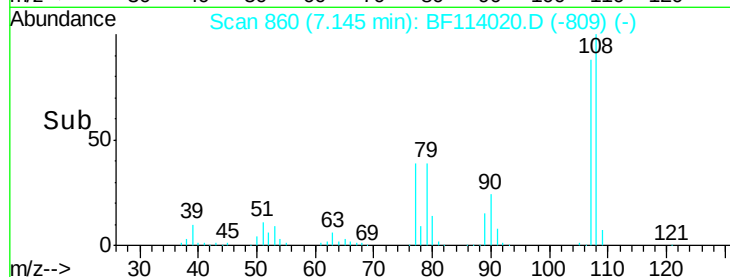
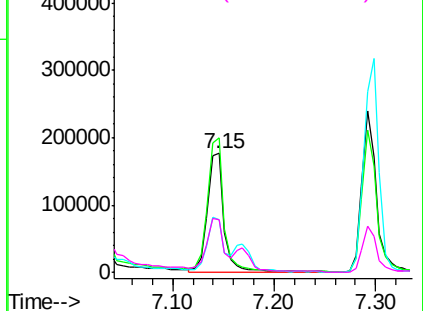
Tgt Ion:	107	Resp:	200538
Ion Ratio	Lower	Upper	
107	100		
108	113.5	91.5	137.3
77	43.7	36.2	54.4
79	44.3	35.4	53.0

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Abundance Ion 107.00 (106.70 to 107.70): E
500000
Ion 108.00 (107.70 to 108.70): E
400000
Ion 77.00 (76.70 to 77.70): BF1
300000
Ion 79.00 (78.70 to 79.70): BF1
200000
100000
0



#18

Hexachloroethane

Concen: 38.039 ng

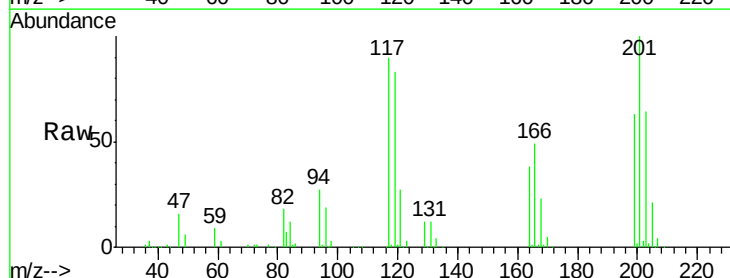
RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

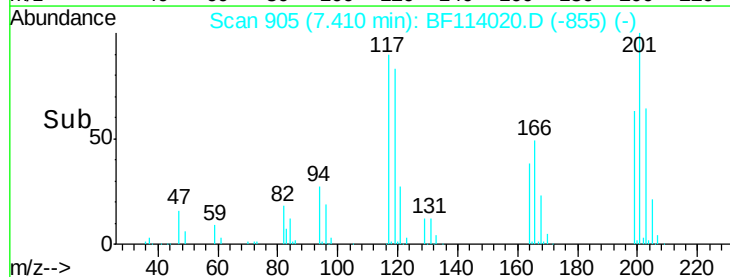
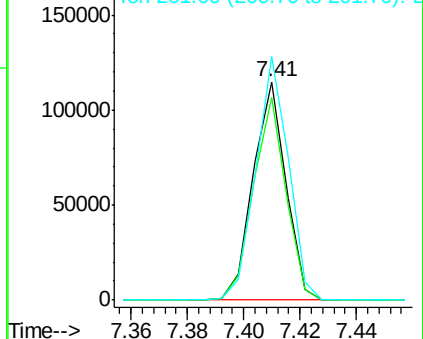
Lab File: BF114020.D

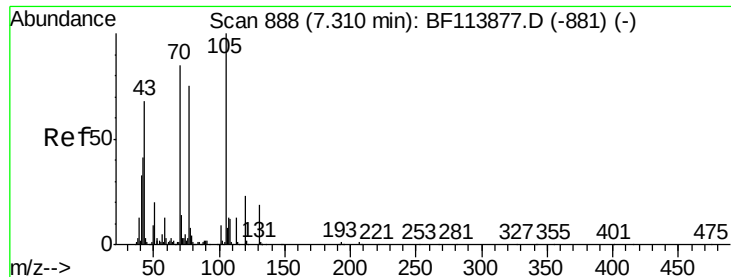
Acq: 29 Apr 2019 13:12

Tgt Ion:	117	Resp:	92517
Ion Ratio	Lower	Upper	
117	100		
119	92.7	74.4	111.6
201	111.7	90.2	135.2



Abundance Ion 117.00 (116.70 to 117.70): E
150000
Ion 119.00 (118.70 to 119.70): E
100000
Ion 201.00 (200.70 to 201.70): E
50000
0





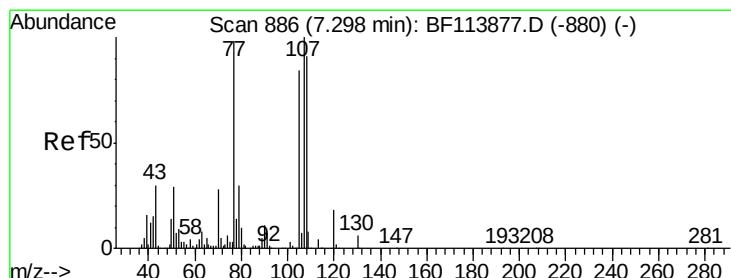
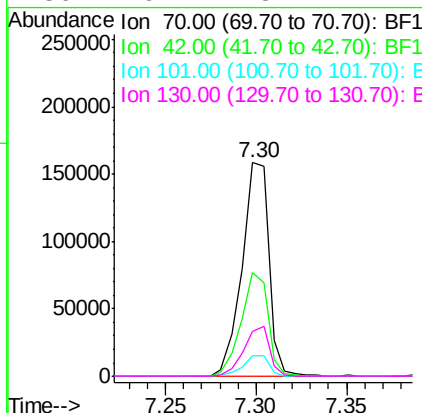
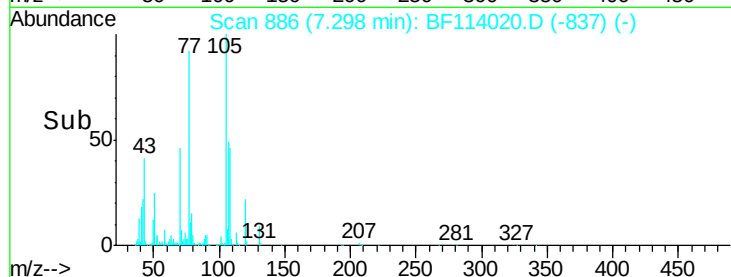
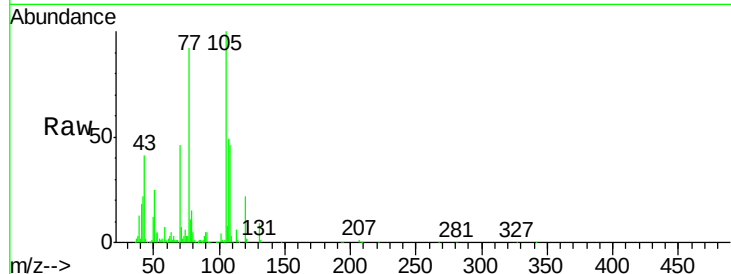
#19
n-Nitroso-di-n-propylamine
Concen: 37.807 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	163870		
42	48.6	37.3	55.9	
101	9.6	7.8	11.8	
130	20.7	18.2	27.2	

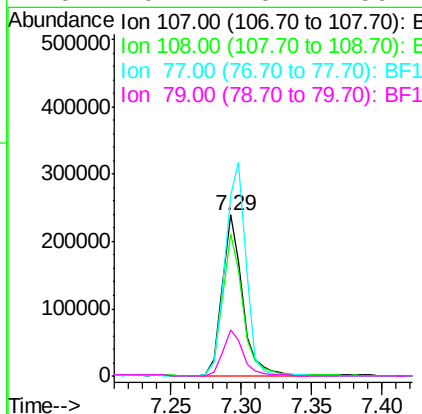
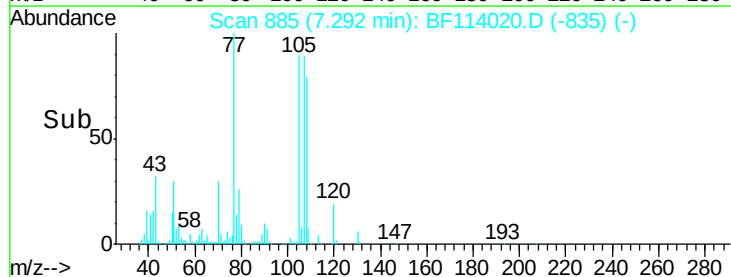
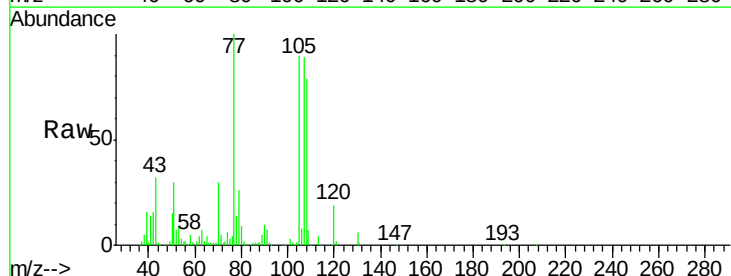
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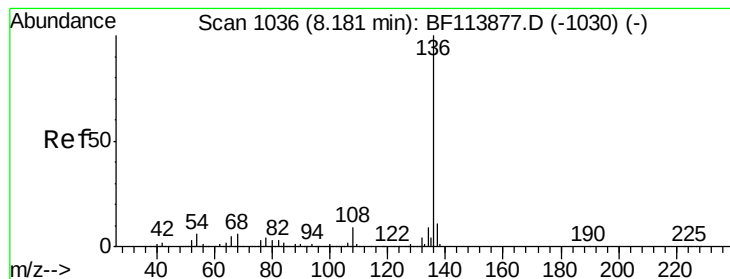
Sohil
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#20
3+4-Methylphenols
Concen: 39.431 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	237844		
108	88.1	70.1	110.1	
77	112.2	52.9	92.9	
79	29.1	10.2	50.2	





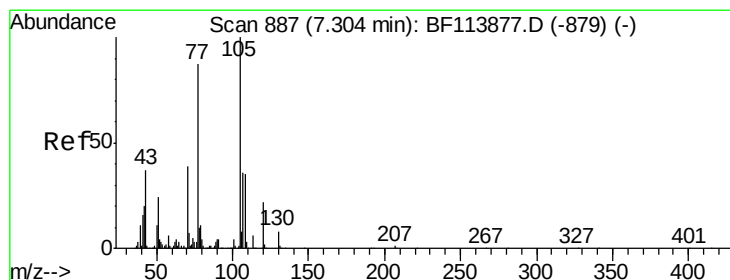
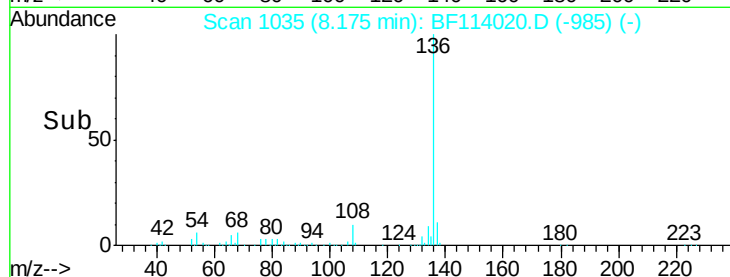
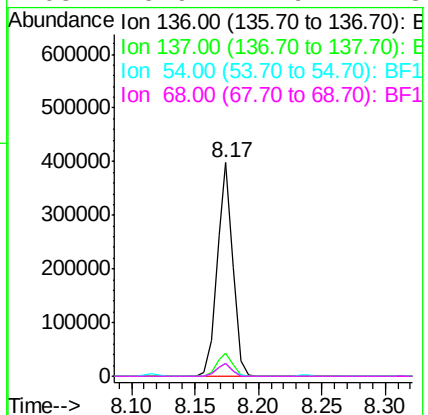
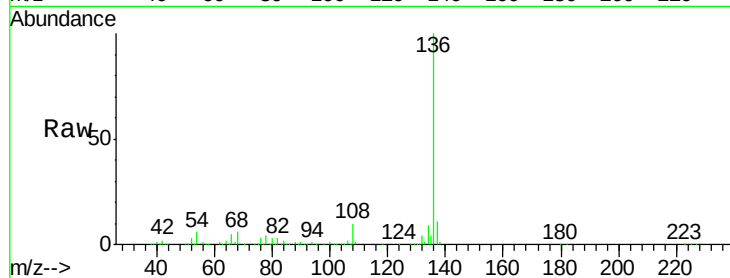
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	344892		
137	10.9	8.6	12.8	
54	5.9	5.0	7.6	
68	5.9	4.9	7.3	

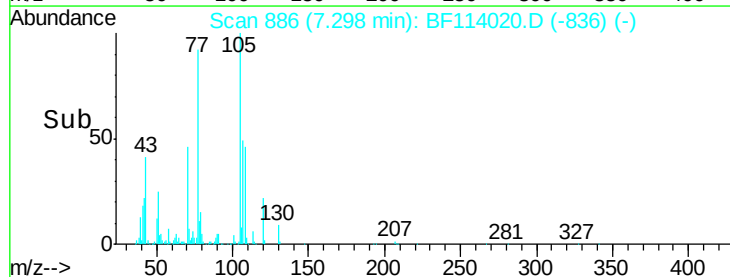
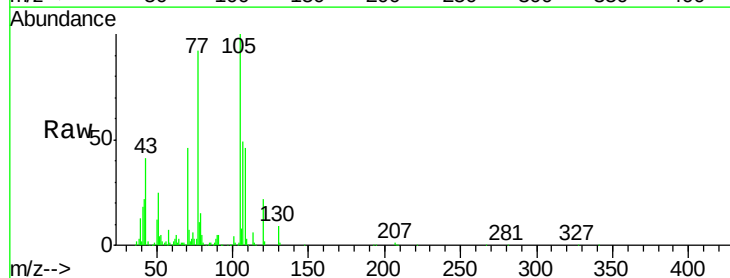
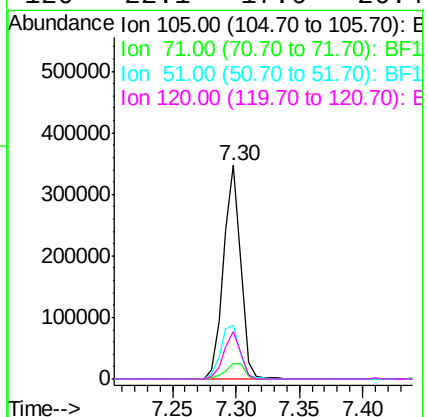
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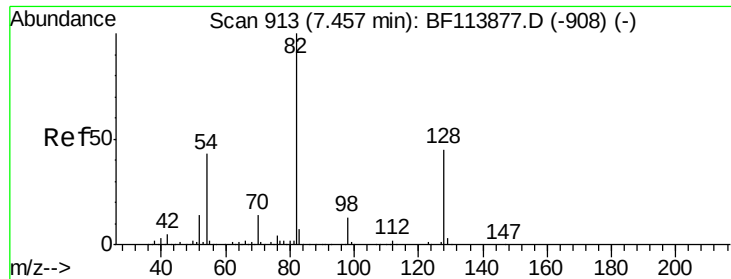
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#22
Acetophenone
Concen: 42.604 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	326988		
71	7.5	6.1	9.1	
51	25.4	16.8	25.2	
120	22.1	17.6	26.4	





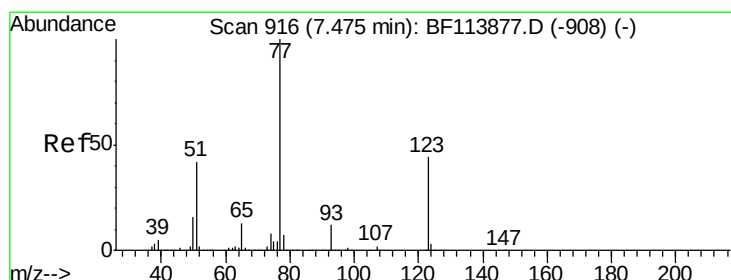
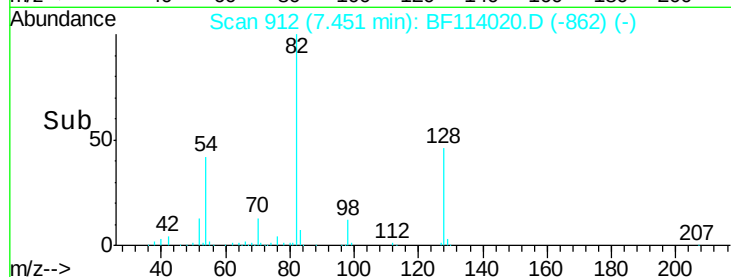
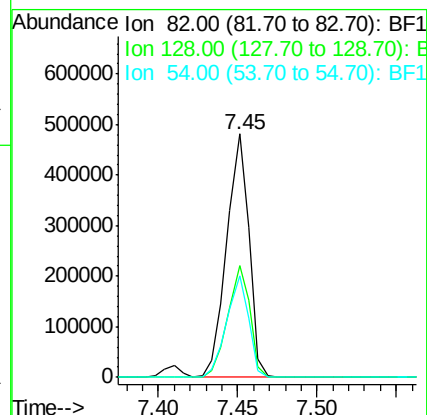
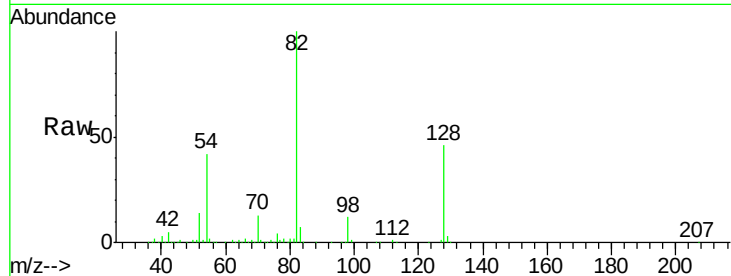
#23
 Nitrobenzene-d5
 Concen: 84.178 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.8	55.2
54	41.9	33.8	50.6

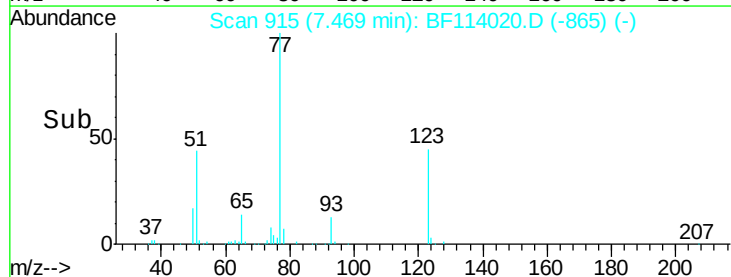
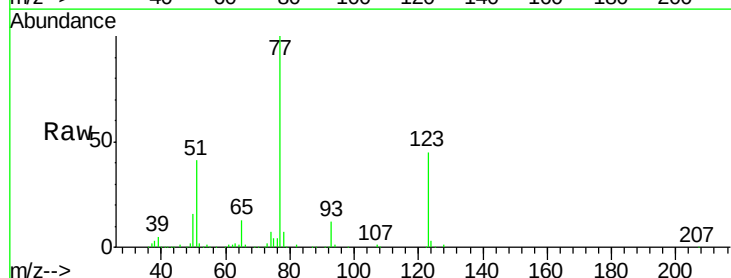
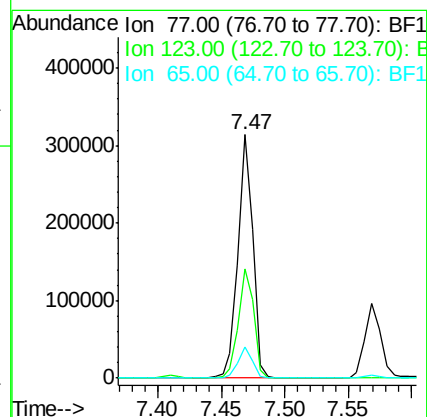
Manual Integrations
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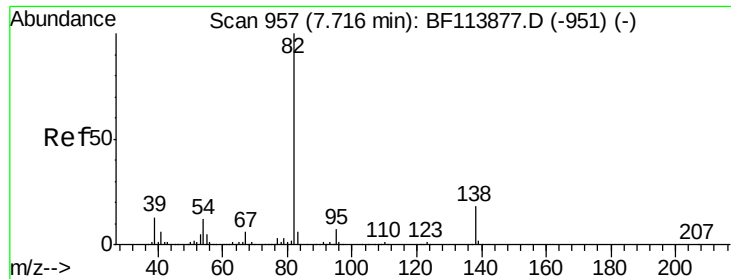
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#24
 Nitrobenzene
 Concen: 41.029 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.3	54.5
65	12.7	10.3	15.5





#25

Isophorone

Concen: 39.414 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

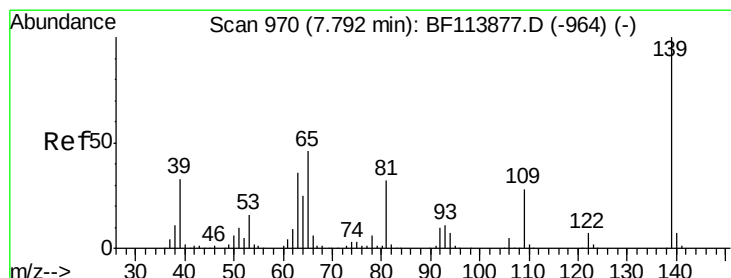
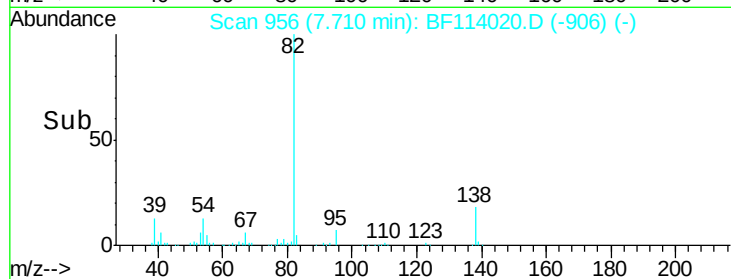
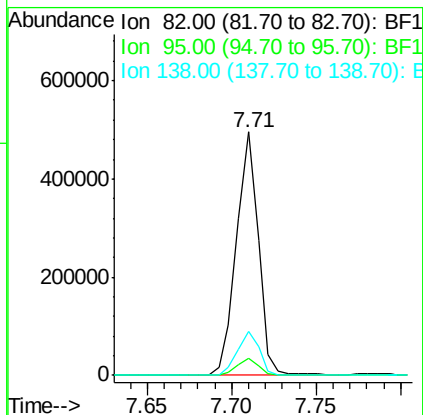
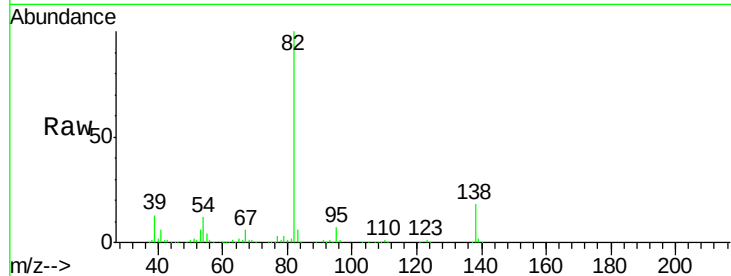
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	82	Resp:	450484
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.4	8.2
138	18.1	14.6	22.0

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#26

2-Nitrophenol

Concen: 43.973 ng

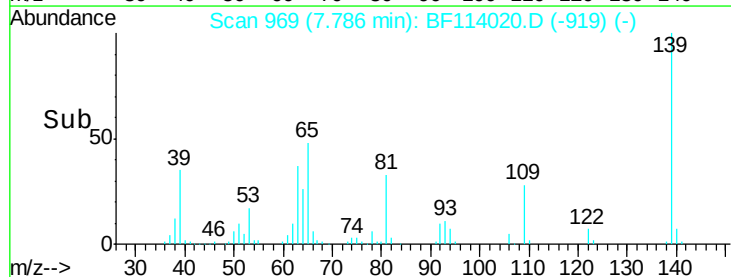
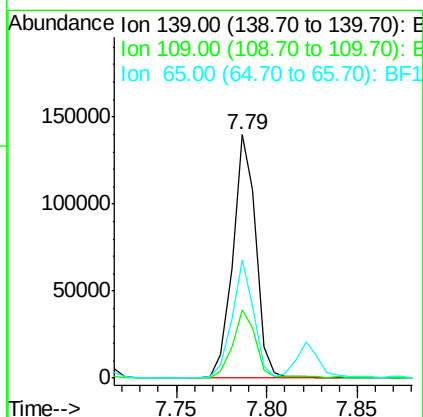
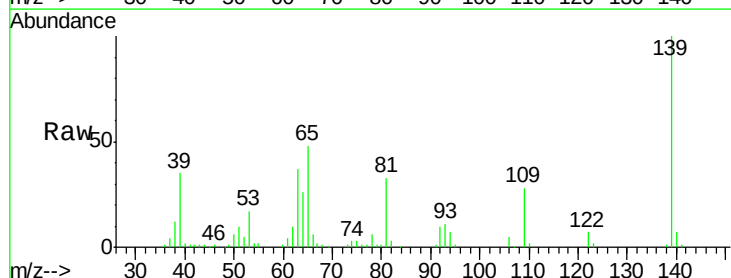
RT: 7.79 min Scan# 969

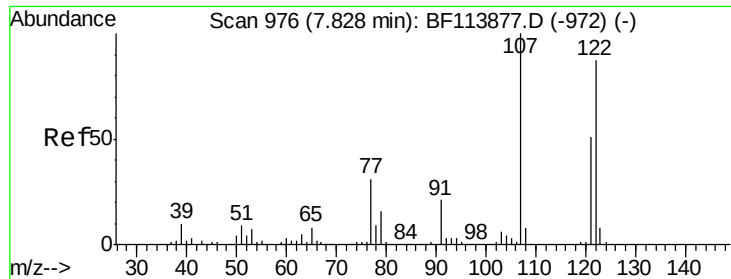
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	139	Resp:	123818
Ion Ratio	Lower	Upper	
139	100		
109	28.3	20.6	31.0
65	48.3	34.6	52.0





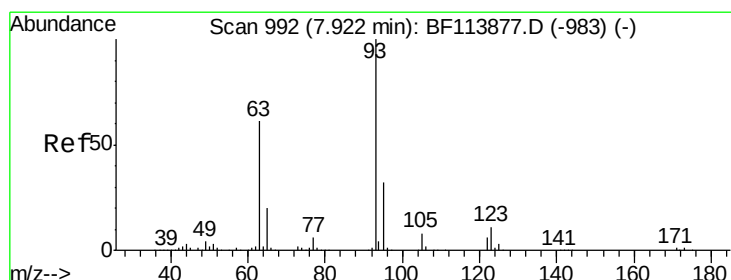
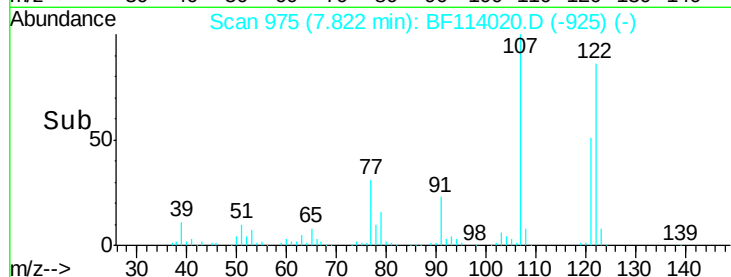
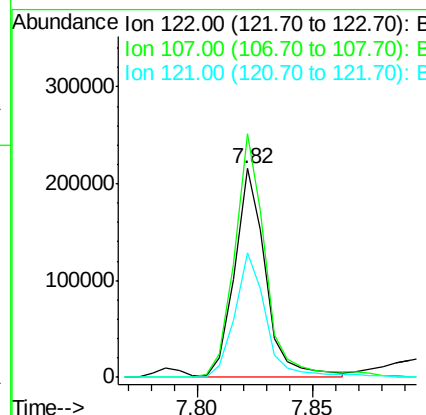
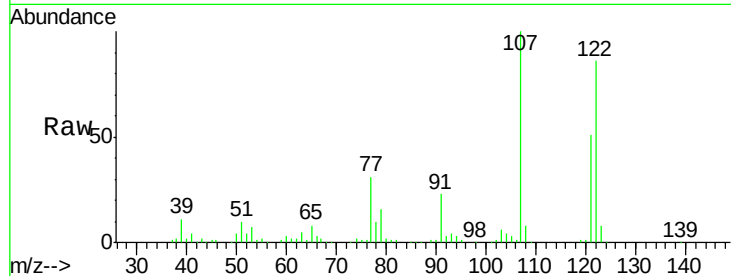
#27
 2,4-Dimethylphenol
 Concen: 44.028 ng
 RT: 7.82 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	201983		
107	116.7	91.2	136.8	
121	59.5	46.4	69.6	

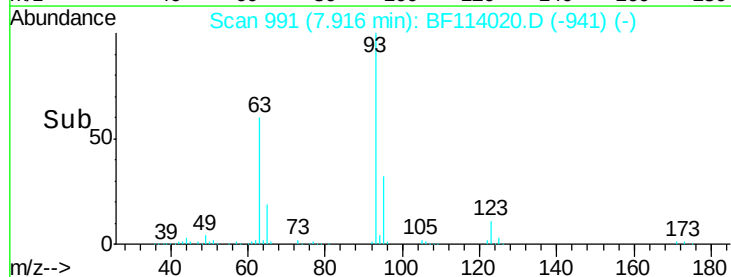
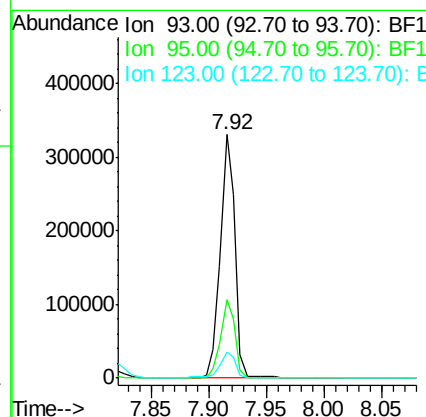
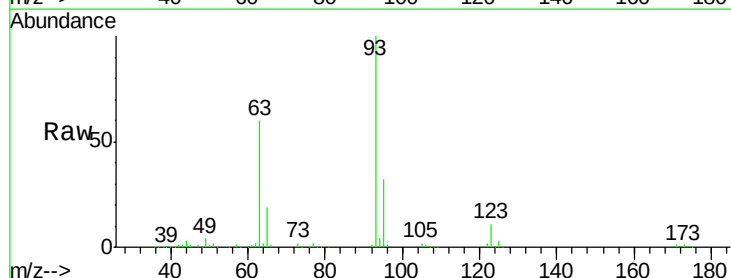
Manual Integrations
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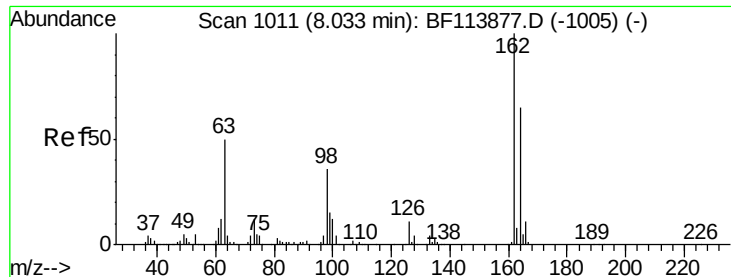
Sohil
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#28
 bis(2-Chloroethoxy)methane
 Concen: 39.836 ng
 RT: 7.92 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	290127		
95	32.2	25.8	38.6	
123	10.6	9.0	13.6	





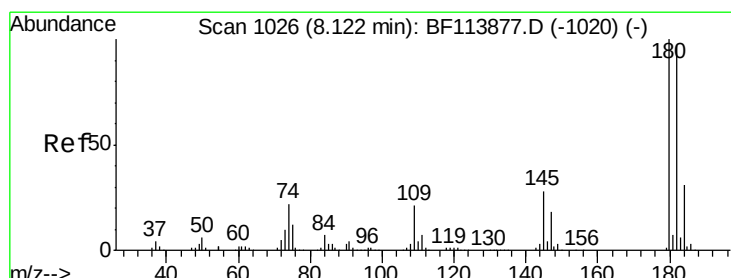
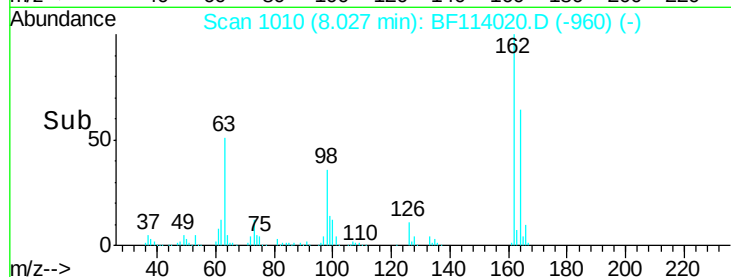
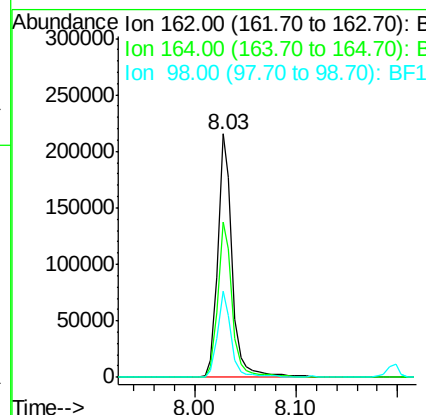
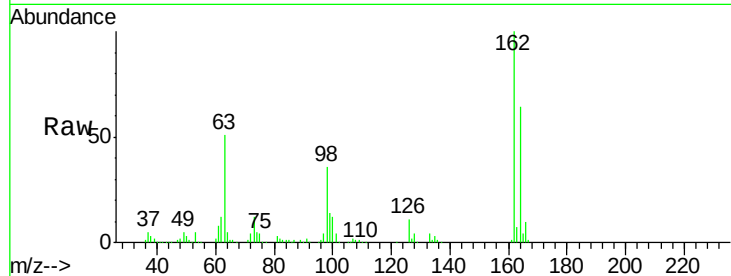
#29
 2,4-Dichlorophenol
 Concen: 40.869 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	214401		
164	63.8	43.7	83.7	
98	35.5	15.5	55.5	

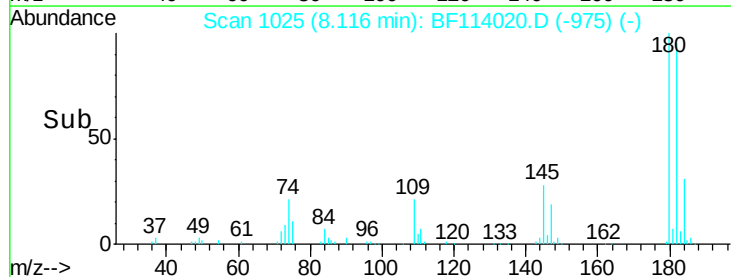
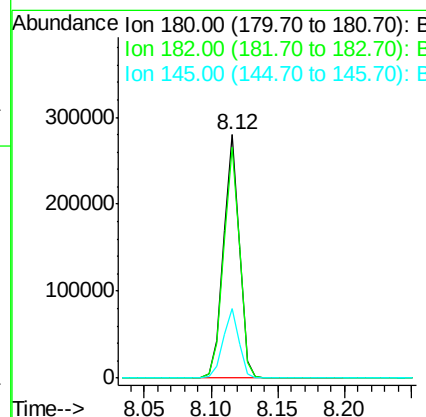
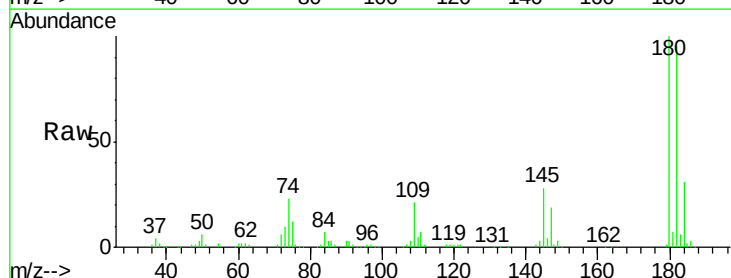
Manual Integrations
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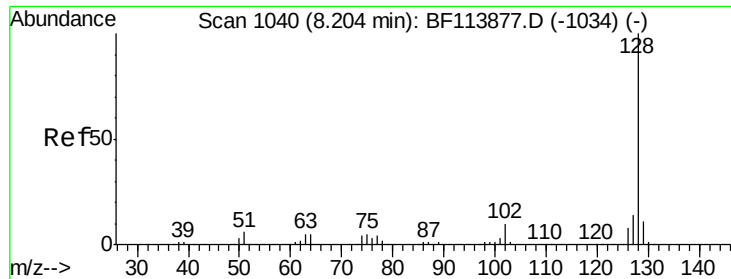
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#30
 1,2,4-Trichlorobenzene
 Concen: 40.586 ng
 RT: 8.12 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	237406		
182	94.9	75.4	113.0	
145	28.5	23.0	34.4	





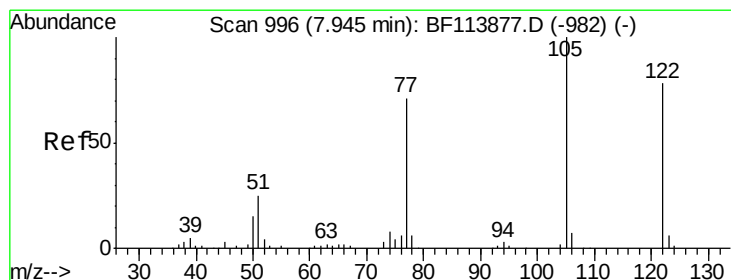
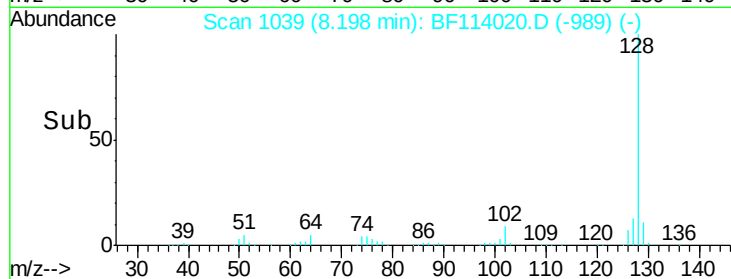
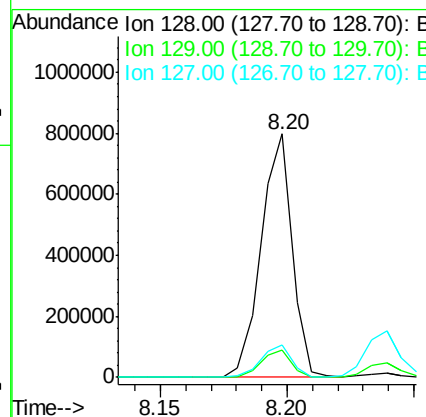
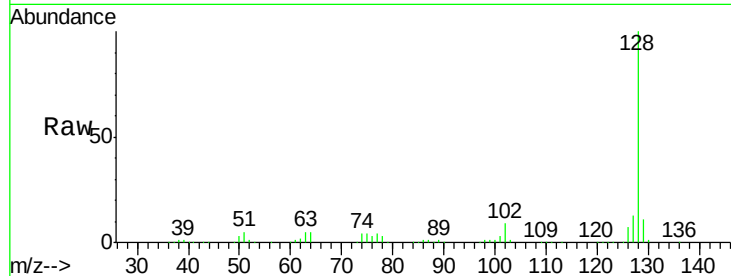
#31
Naphthalene
Concen: 41.679 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	682886		
129	11.2		9.4	14.0
127	13.1		10.8	16.2

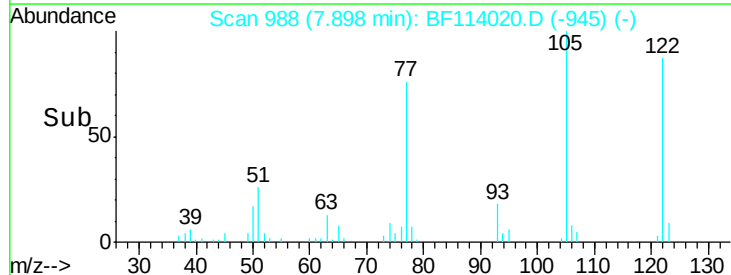
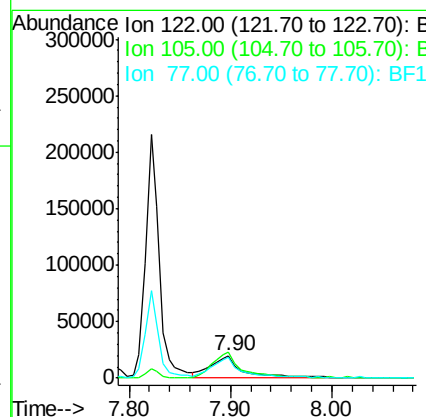
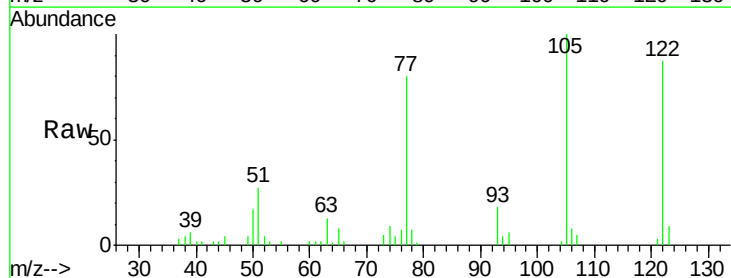
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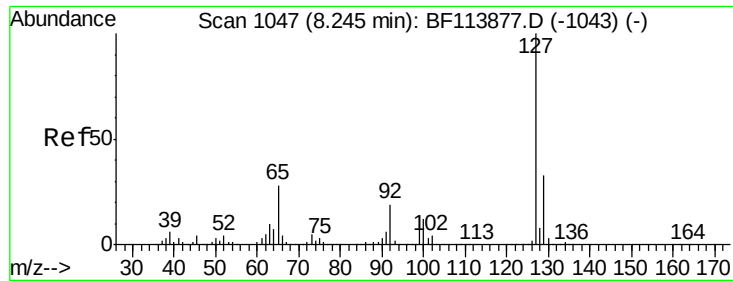
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#32
Benzoic acid
Concen: 13.318 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.05 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	41260		
105	114.6		104.3	144.3
77	91.3		70.4	110.4





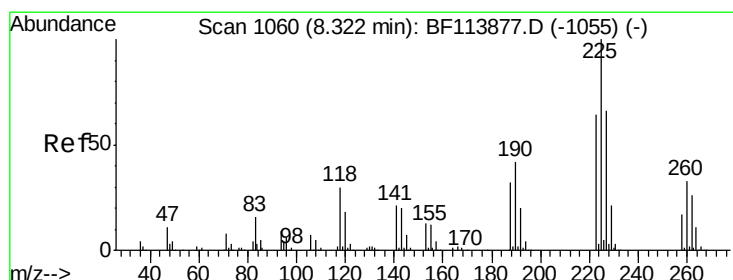
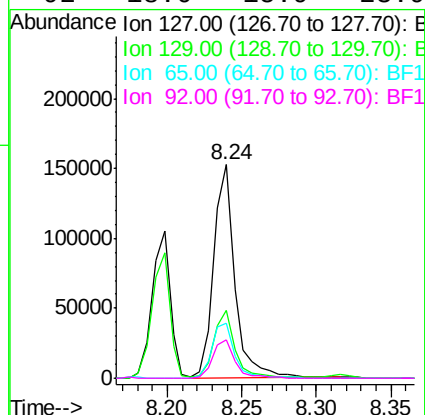
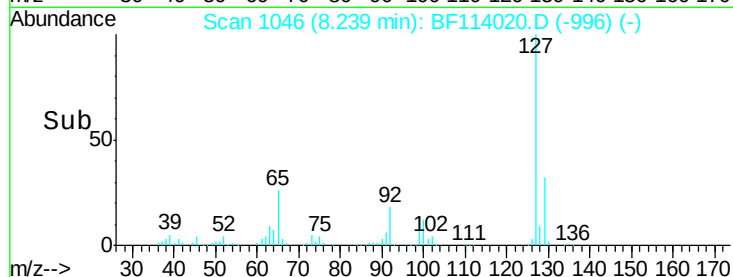
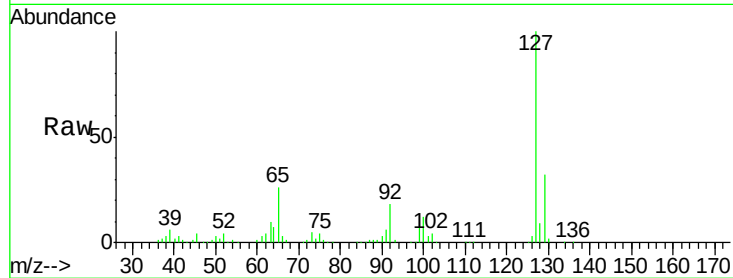
#33
4-Chloroaniline
Concen: 21.685 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	150339		
129	31.7	26.4	39.6	
65	26.0	24.9	37.3	
92	18.0	15.9	23.9	

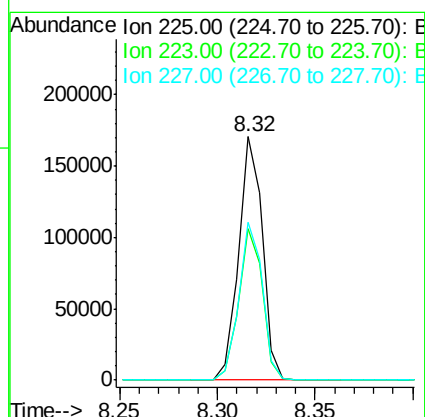
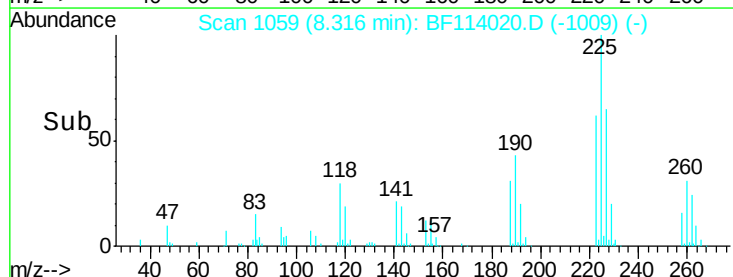
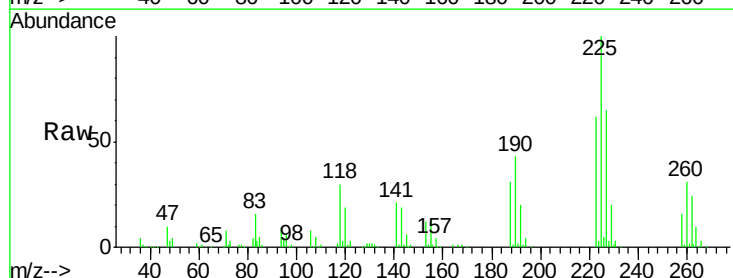
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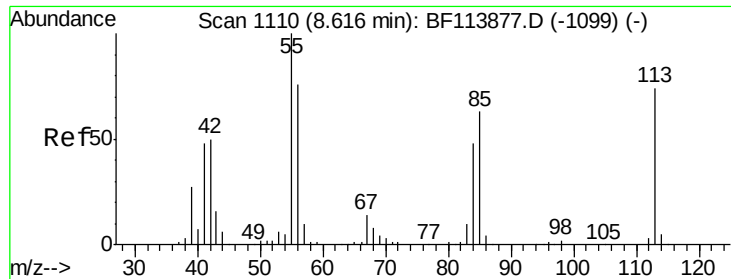
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#34
Hexachlorobutadiene
Concen: 39.441 ng
RT: 8.32 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143819		
223	62.2	51.1	76.7	
227	64.8	49.9	74.9	





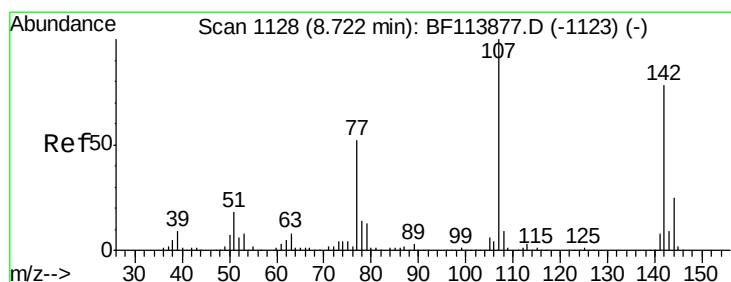
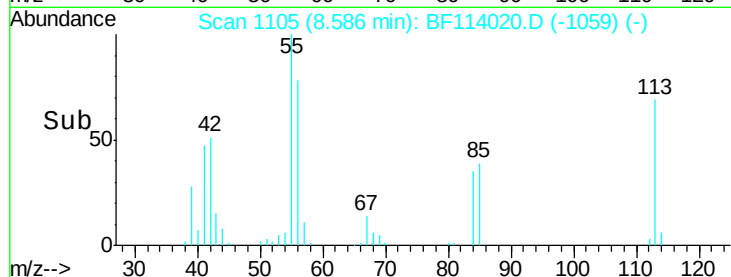
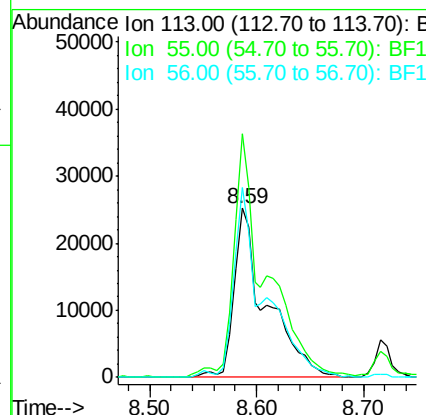
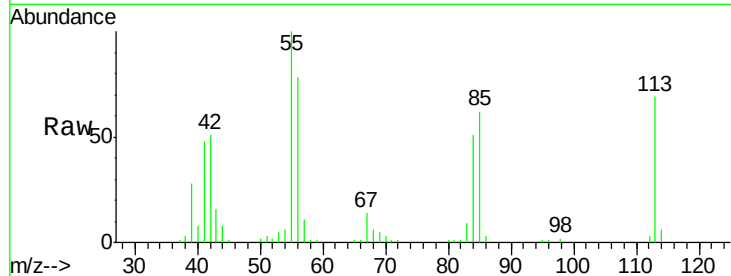
#35
 Caprolactam
 Concen: 31.544 ng m
 RT: 8.59 min Scan# 1105
 Delta R.T. -0.03 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion: 113 Resp: 52642
 Ion Ratio Lower Upper
 113 100
 55 144.0 128.6 168.6
 56 112.3 91.9 131.9

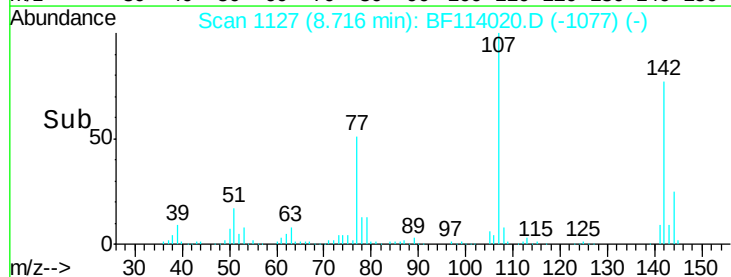
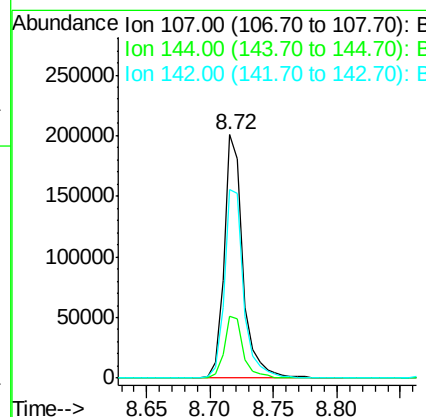
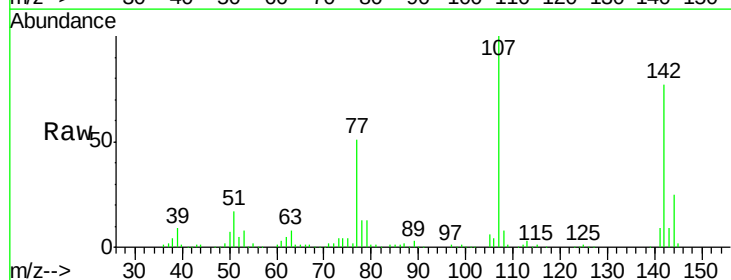
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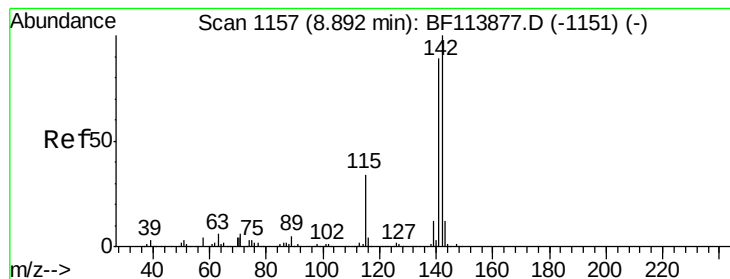
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 40.102 ng
 RT: 8.72 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion: 107 Resp: 208428
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.5 30.7
 142 77.3 64.2 96.4





#37

2-Methylnaphthalene

Concen: 42.156 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

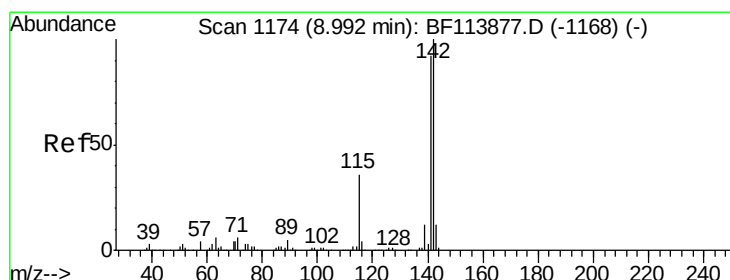
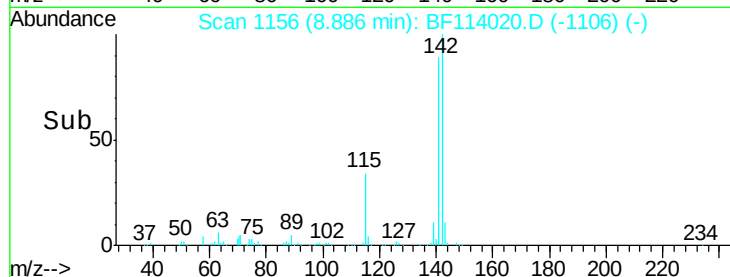
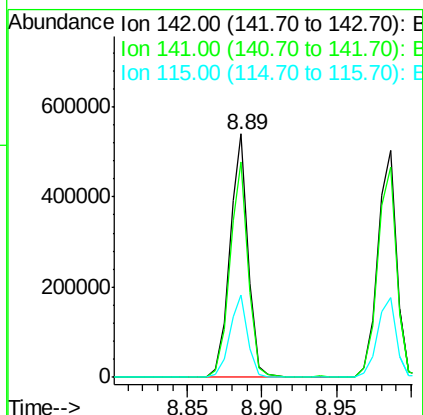
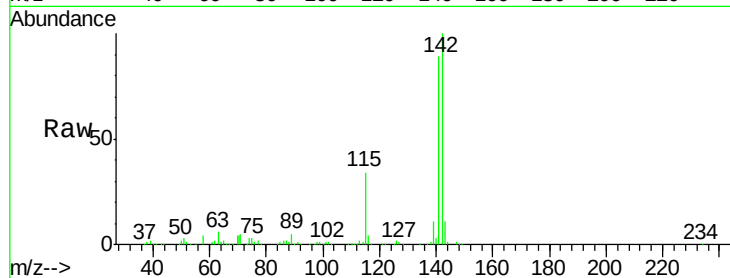
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	142	Resp:	465766
Ion Ratio	Lower	Upper	
142	100		
141	88.7	70.4	105.6
115	33.7	26.3	39.5

Manual Integrations
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#38

1-Methylnaphthalene

Concen: 40.522 ng

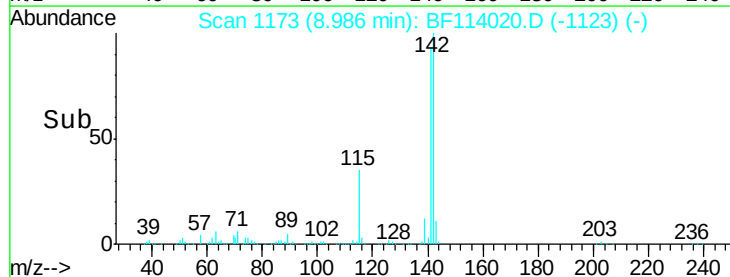
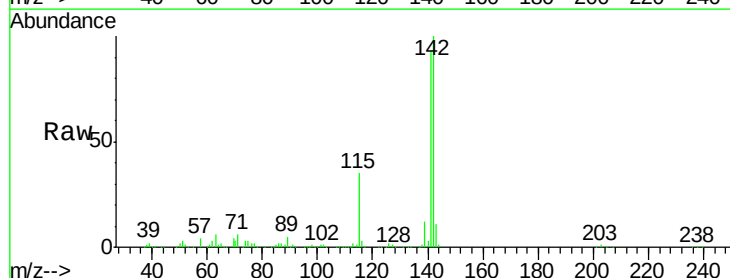
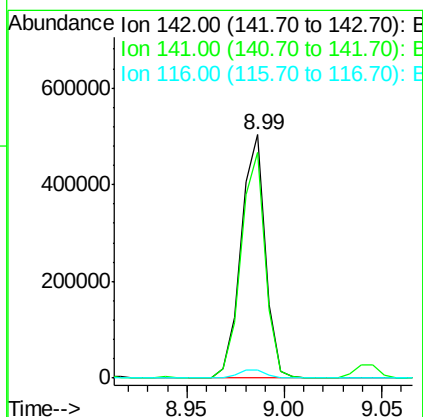
RT: 8.99 min Scan# 1173

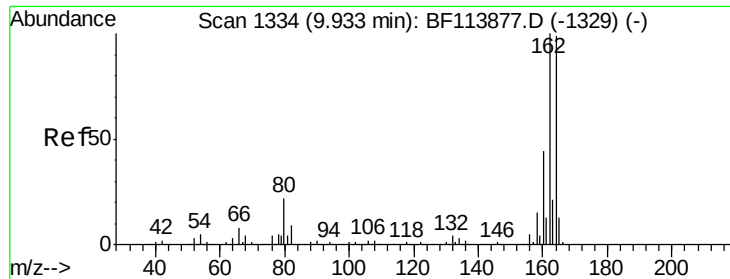
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	142	Resp:	432115
Ion Ratio	Lower	Upper	
142	100		
141	92.8	72.3	108.5
116	3.5	3.0	4.4





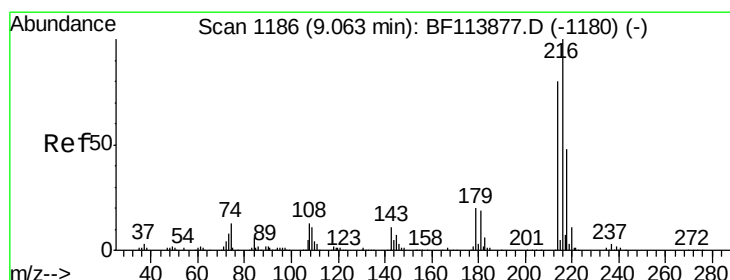
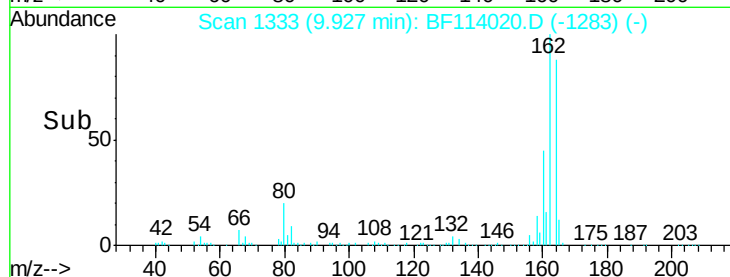
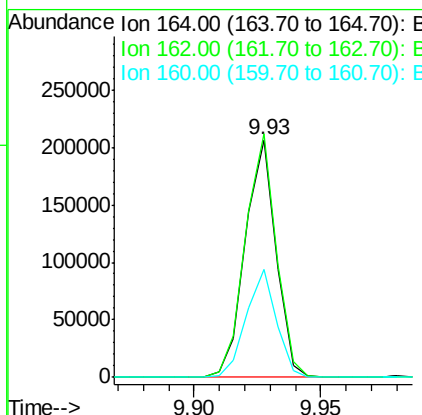
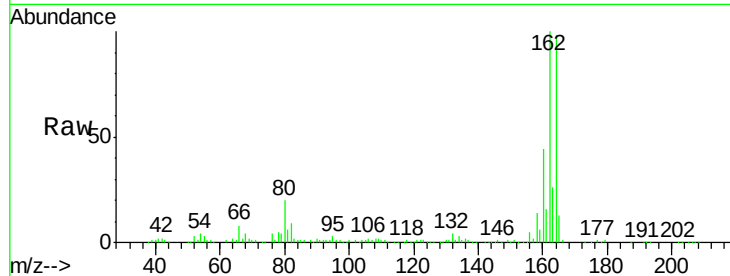
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	174360		
162	102.4	81.1	121.7	
160	45.5	35.8	53.6	

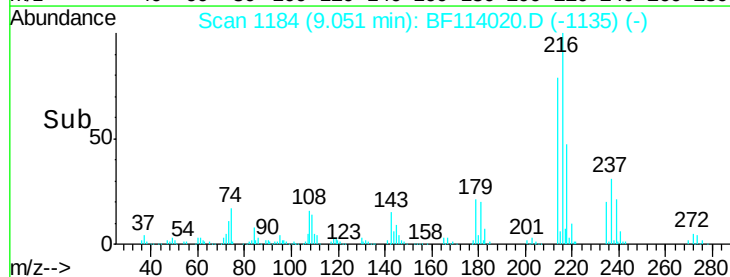
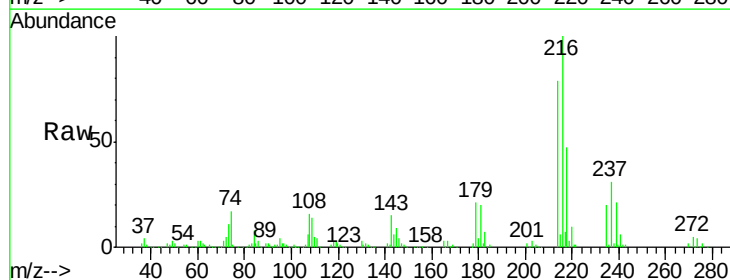
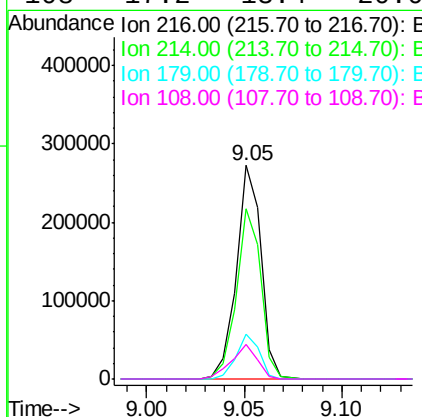
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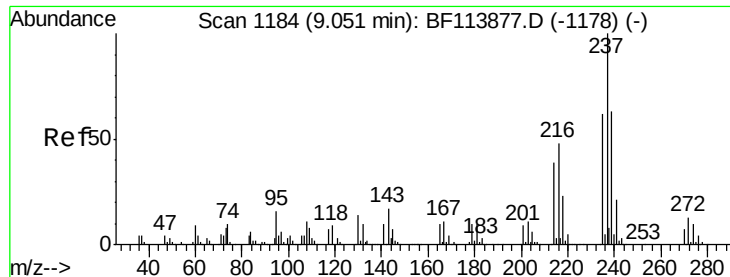
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.897 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	237295		
214	79.2	63.5	95.3	
179	20.1	16.1	24.1	
108	17.2	13.4	20.0	





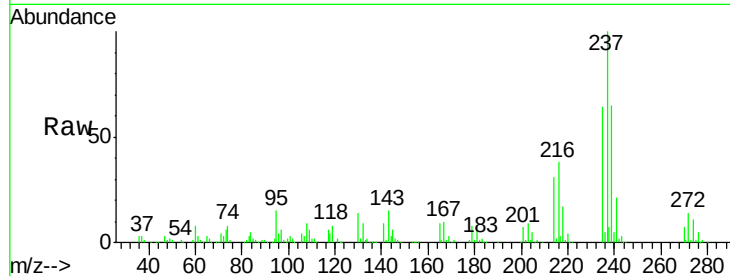
#41
Hexachlorocyclopentadiene
Concen: 76.973 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

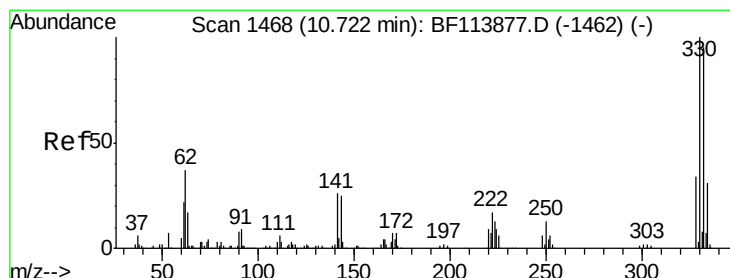
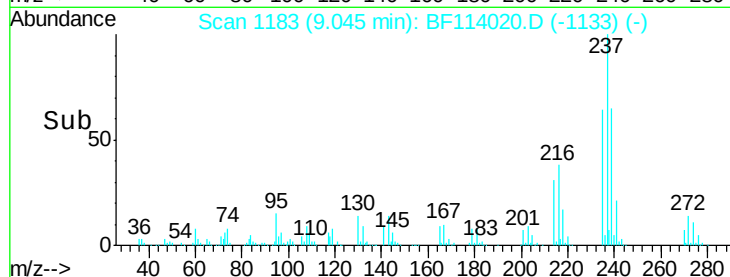
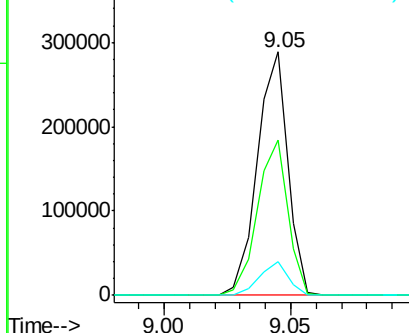
Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	63.7	42.6	82.6
272	13.7	0.0	33.8

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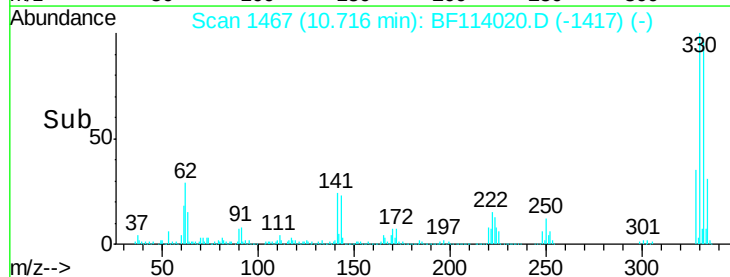
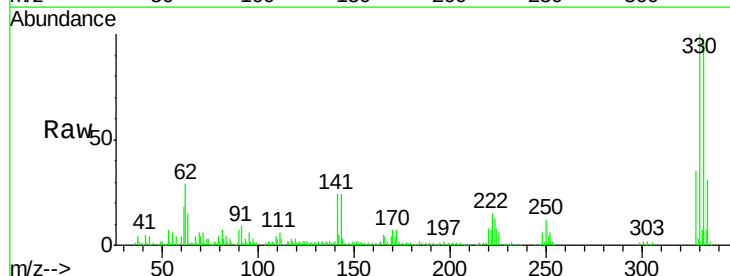
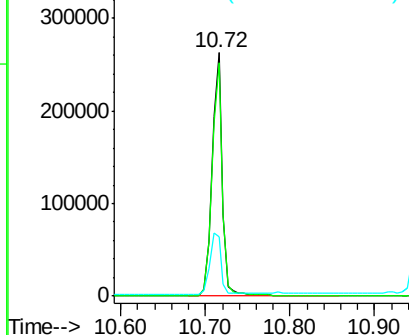
Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

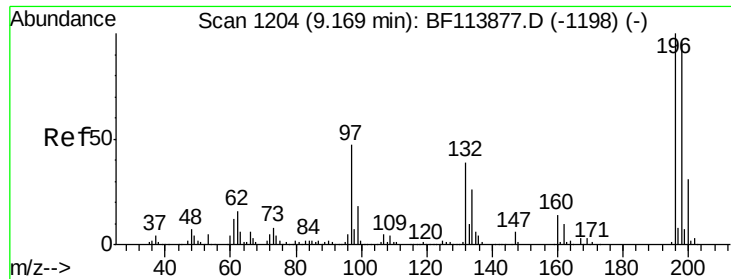


#42
2,4,6-Tribromophenol
Concen: 108.051 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.5	77.5	116.3
141	27.5	22.2	33.2

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





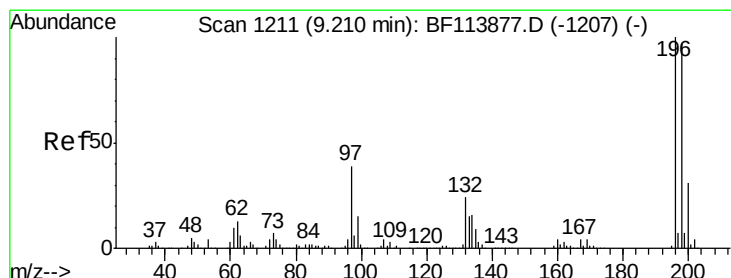
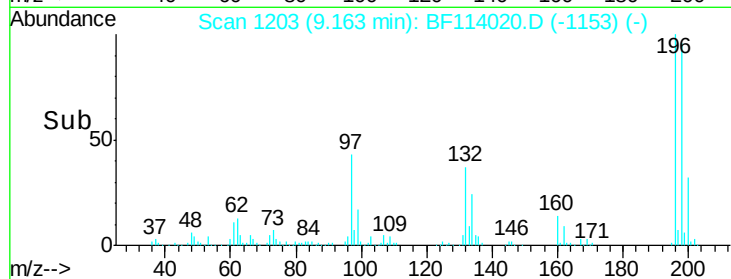
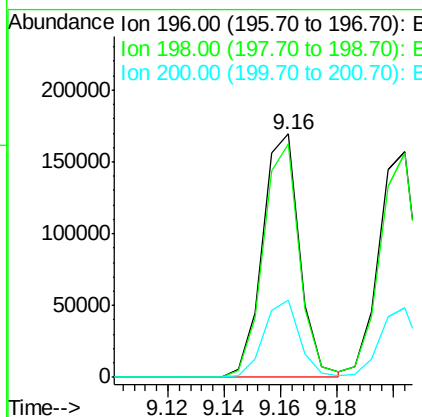
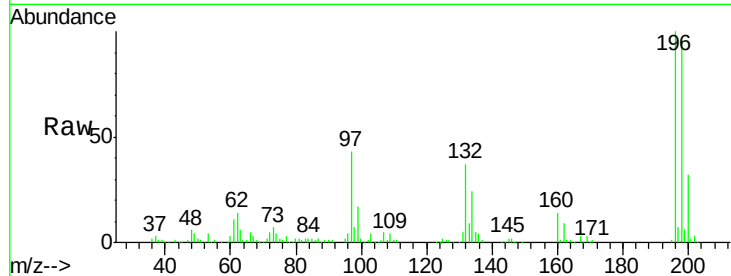
#43
 2,4,6-Trichlorophenol
 Concen: 43.035 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	154775		
198	95.8	75.6	113.4	
200	31.5	24.7	37.1	

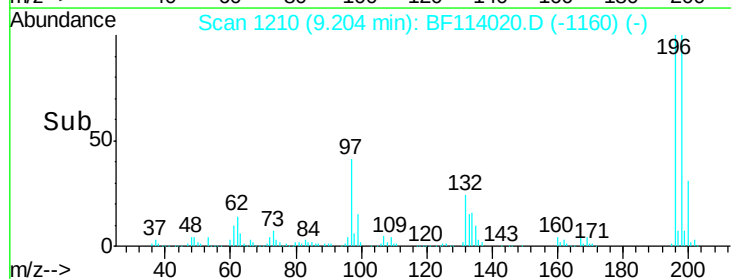
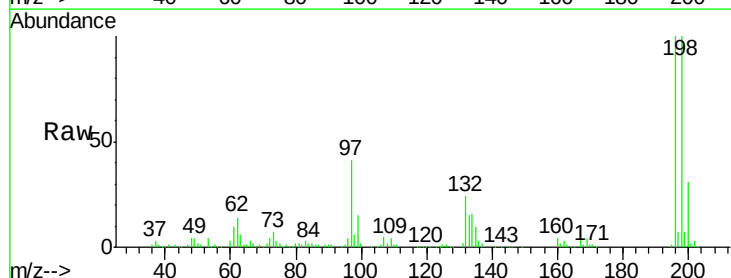
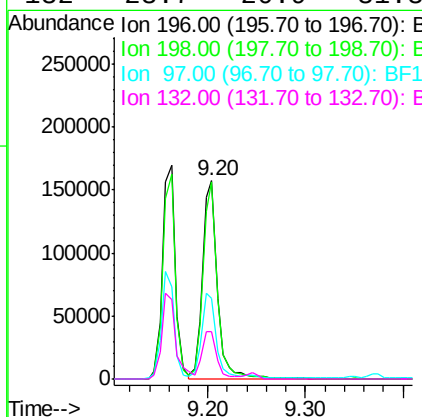
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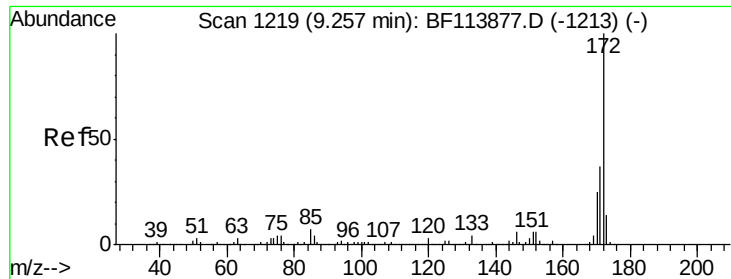
Sohil
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#44
 2,4,5-Trichlorophenol
 Concen: 41.156 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	166022		
198	99.6	76.2	114.4	
97	40.6	35.8	53.8	
132	23.7	20.9	31.3	





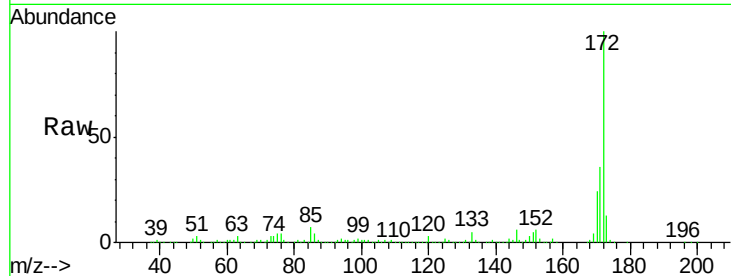
#45
2-Fluorobiphenyl
Concen: 84.560 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

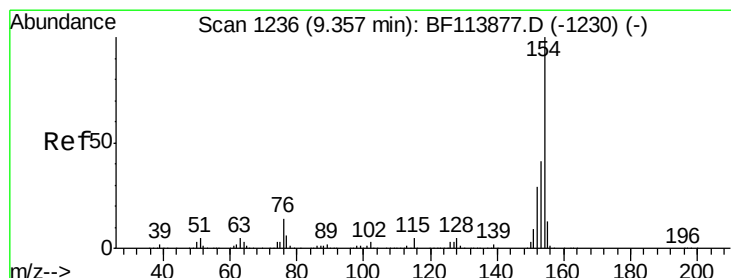
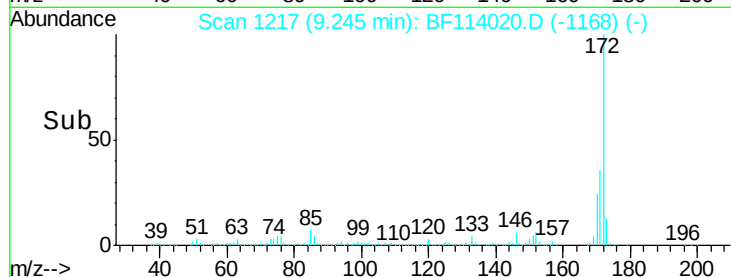
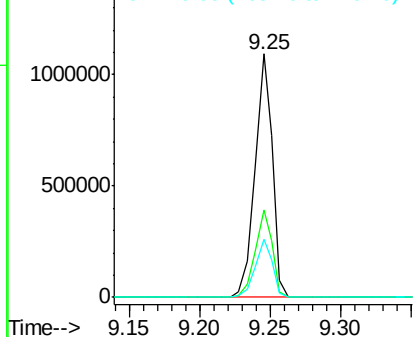
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	942686		
171	35.8	29.4	44.0	
170	24.1	19.9	29.9	

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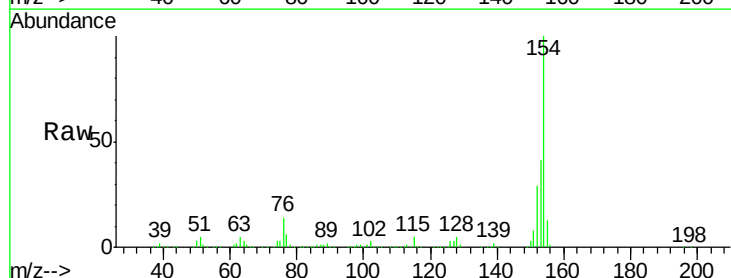


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

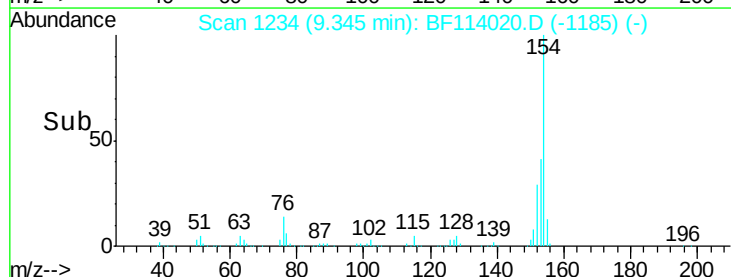
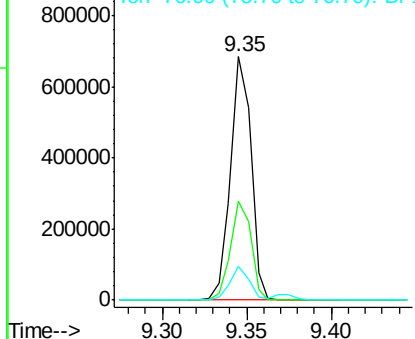


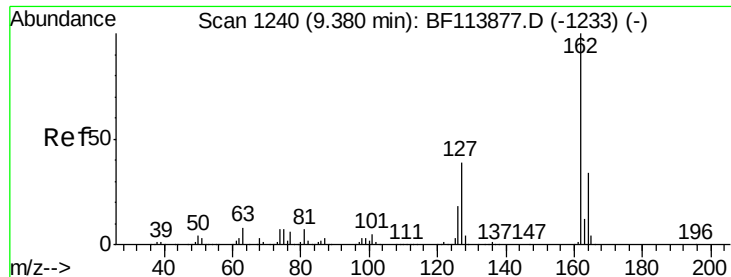
#46
1,1'-Biphenyl
Concen: 43.350 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	577416		
153	40.8	20.8	60.8	
76	13.7	0.0	35.2	



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





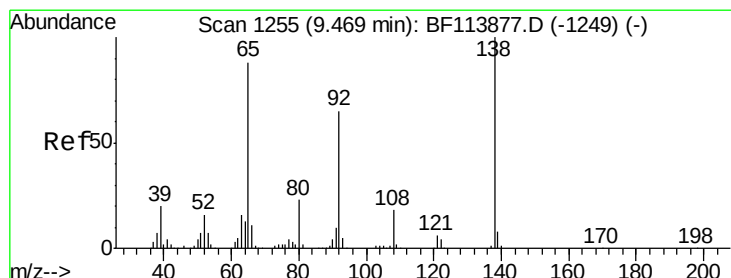
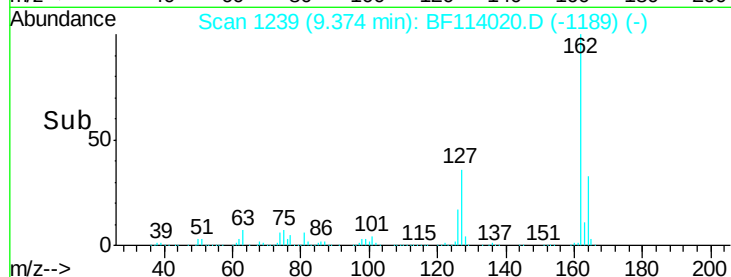
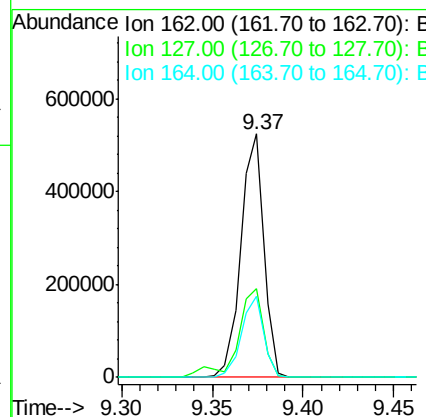
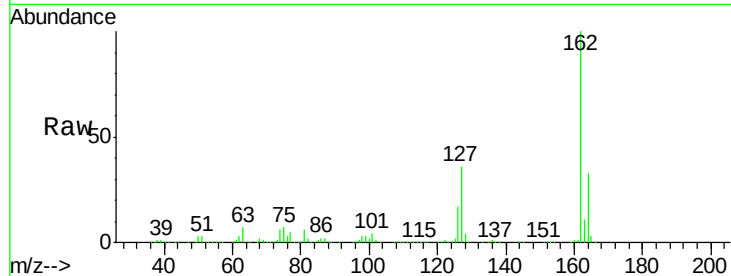
#47
 2-Chloronaphthalene
 Concen: 42.524 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	460614		
127	36.4	29.3	43.9	
164	33.3	27.1	40.7	

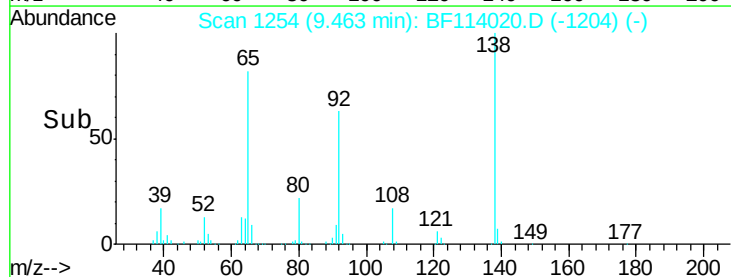
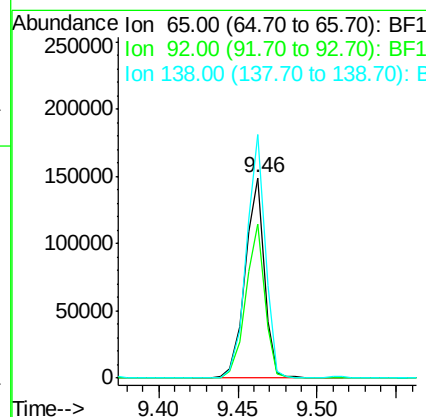
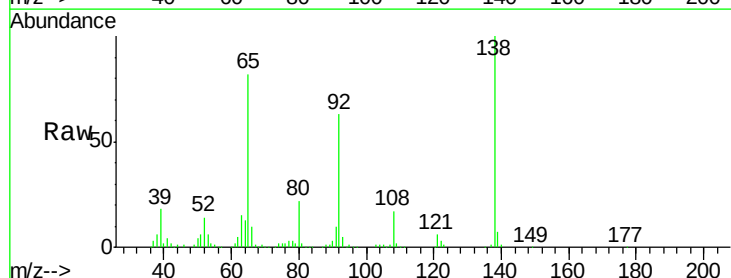
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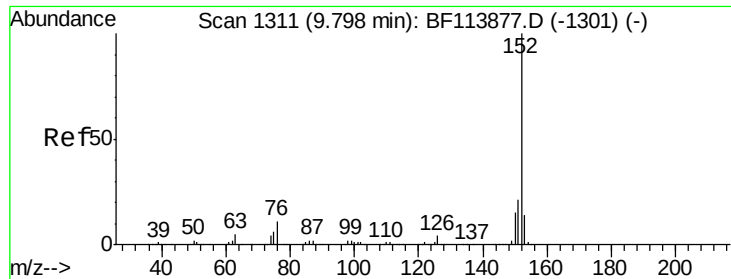
Sohil
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#48
 2-Nitroaniline
 Concen: 44.128 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	125303		
92	76.7	57.4	86.0	
138	121.5	85.4	128.0	





#49

Acenaphthylene

Concen: 41.206 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

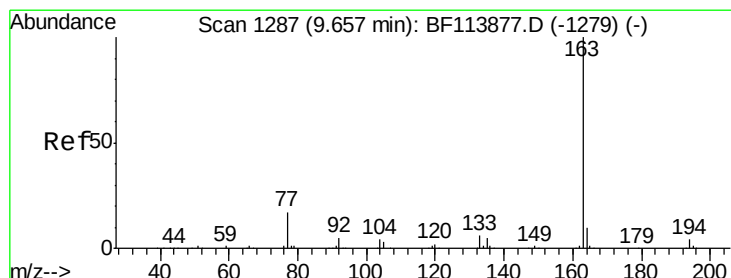
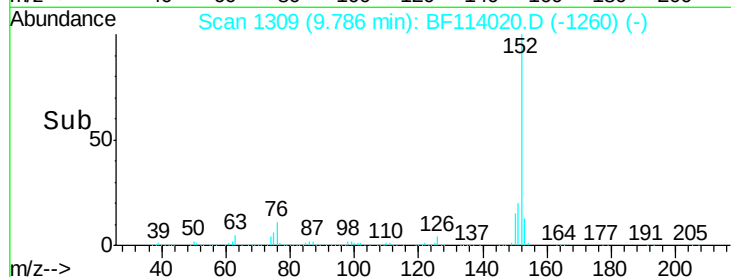
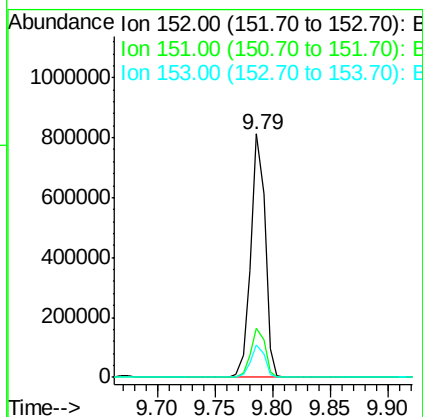
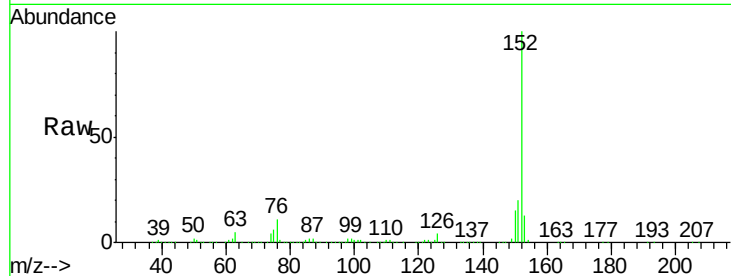
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	152	Resp:	698759
Ion Ratio	Lower	Upper	
152	100		
151	20.3	17.0	25.4
153	13.2	11.0	16.6

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#50

Dimethylphthalate

Concen: 50.008 ng

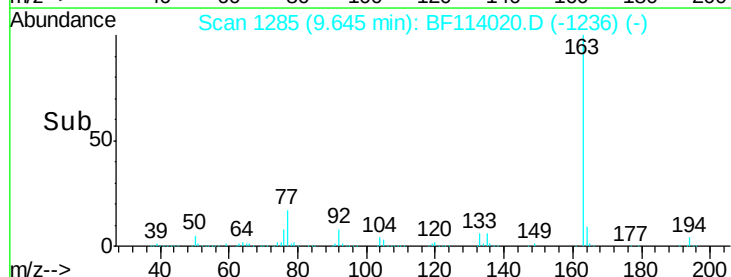
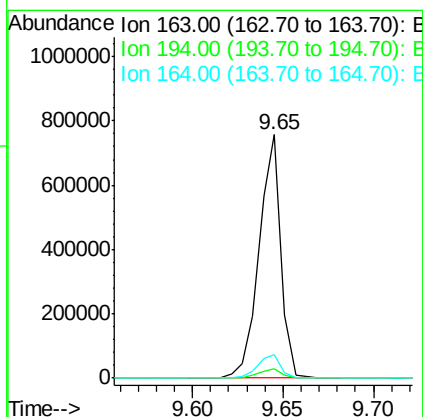
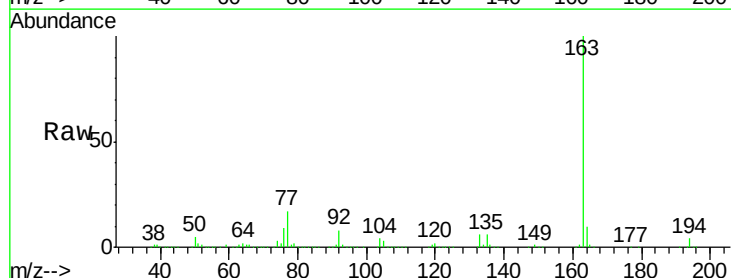
RT: 9.65 min Scan# 1285

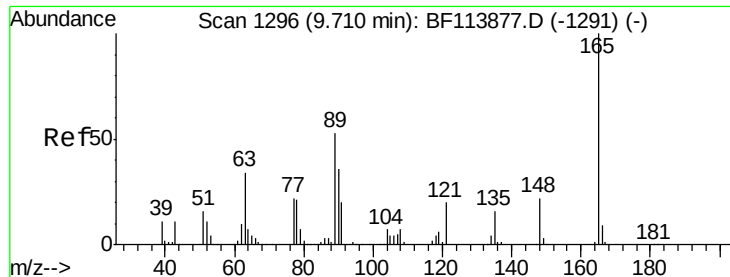
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	163	Resp:	630607
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.2
164	9.9	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 44.592 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

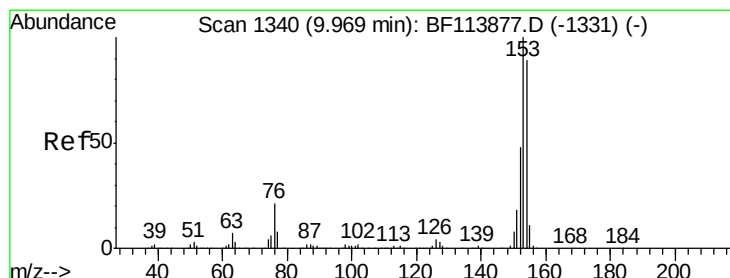
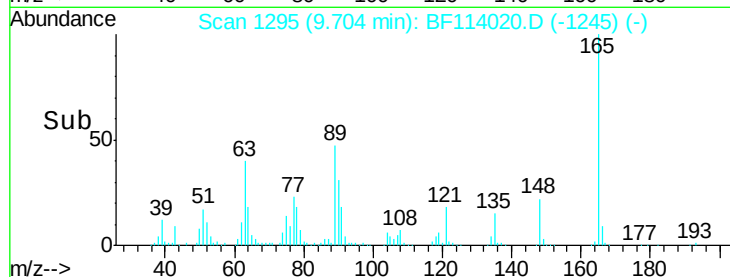
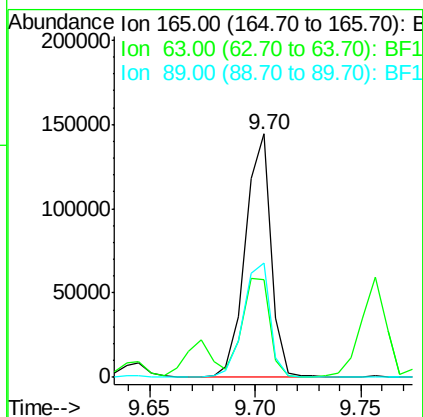
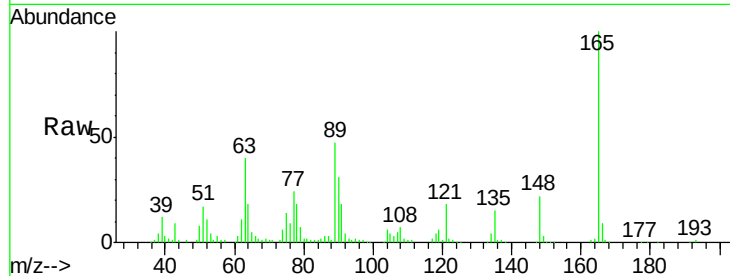
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	120635		
63	40.1	33.8	50.8	
89	47.1	38.2	57.2	

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#52

Acenaphthene

Concen: 42.384 ng

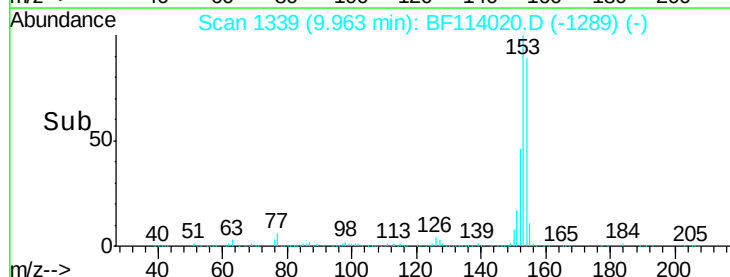
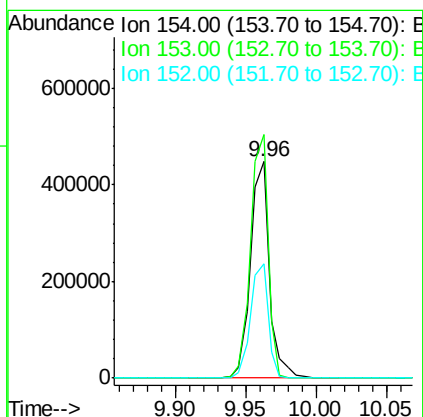
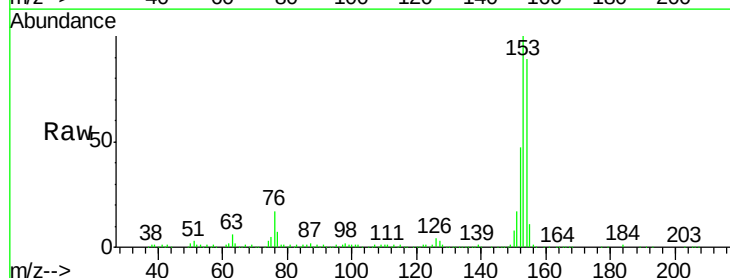
RT: 9.96 min Scan# 1339

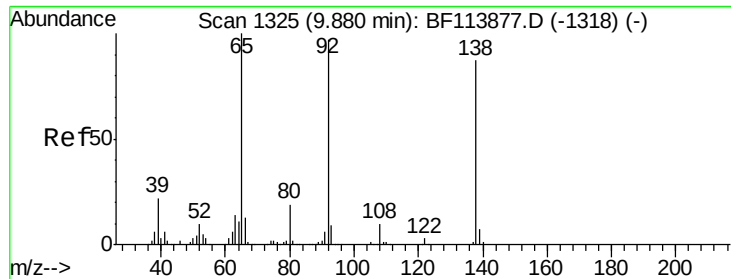
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	424758		
153	112.7	87.2	130.8	
152	52.7	42.3	63.5	





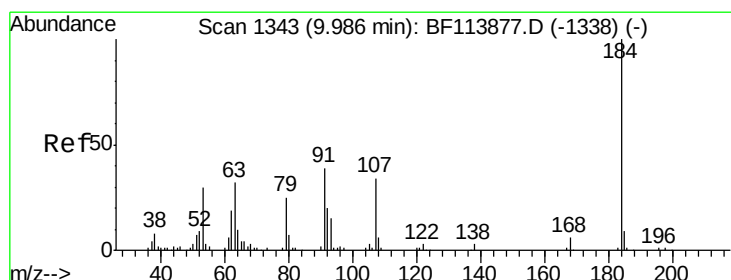
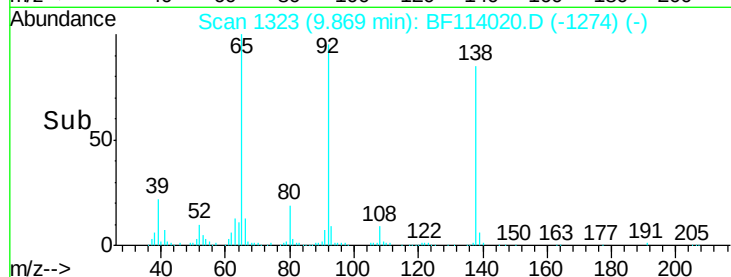
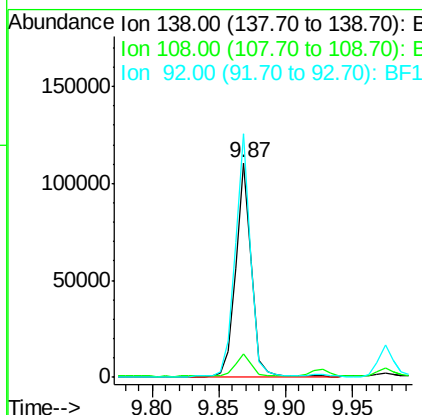
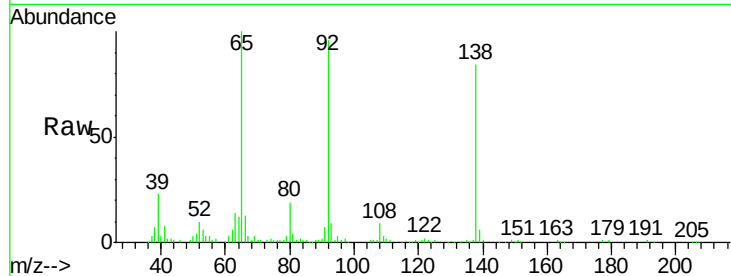
#53
 3-Nitroaniline
 Concen: 32.697 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.4	14.2
92	113.4	94.1	141.1

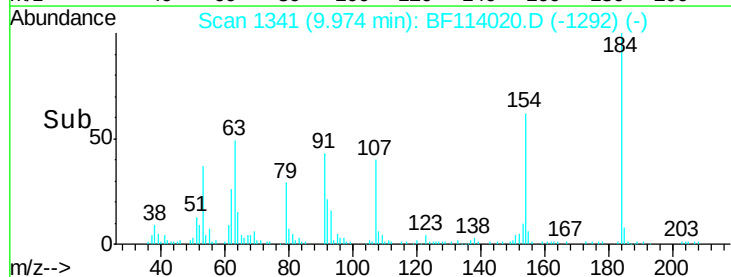
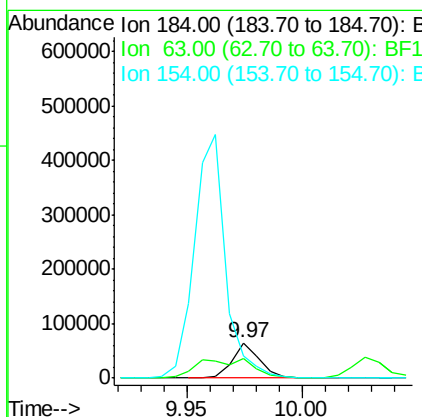
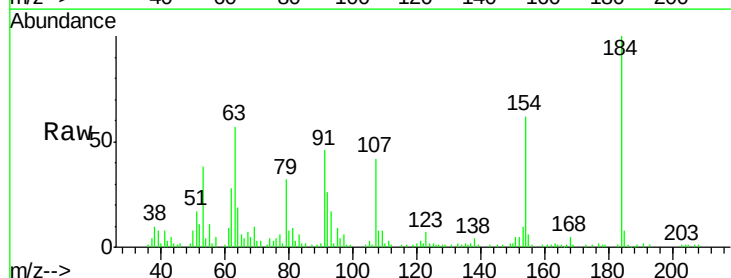
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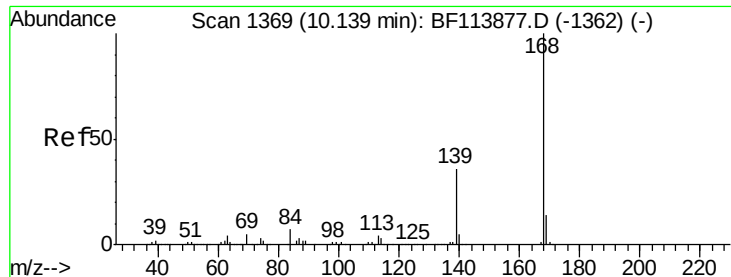
Sohil
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#54
 2,4-Dinitrophenol
 Concen: 49.535 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.7	54.6	81.8
154	61.7	218.6	328.0#





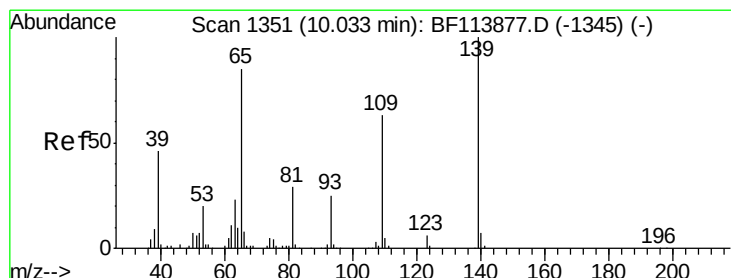
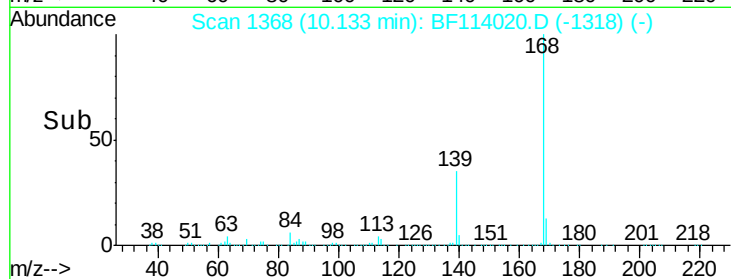
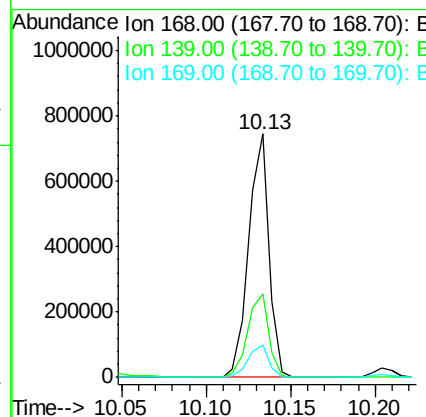
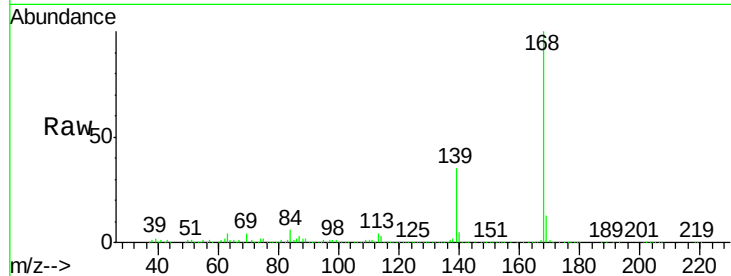
#55
Dibenzofuran
Concen: 41.762 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.6	27.8	41.6
169	13.2	11.0	16.6

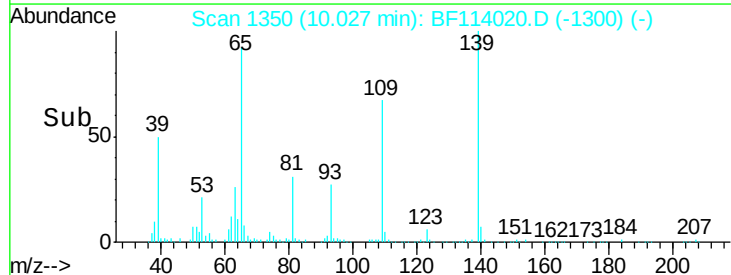
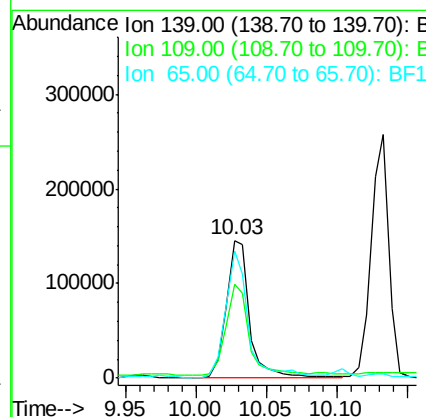
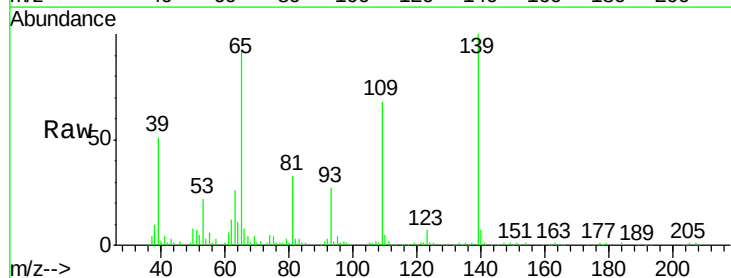
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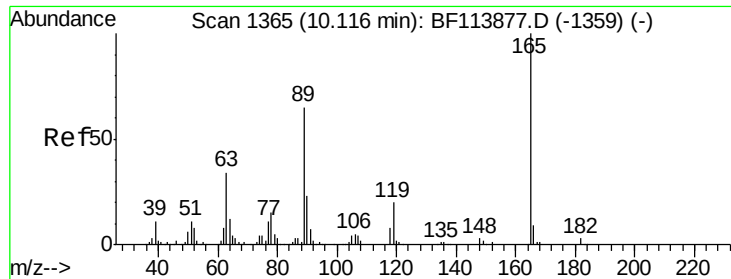
Sohil
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#56
4-Nitrophenol
Concen: 73.077 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.1	42.9	82.9
65	92.0	64.4	104.4





#57

2,4-Dinitrotoluene

Concen: 44.708 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

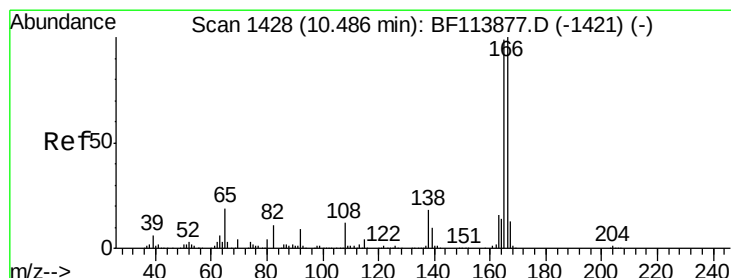
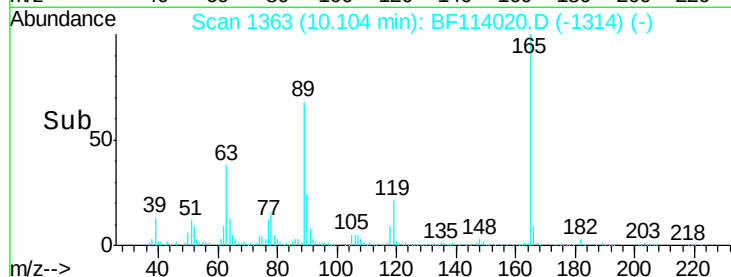
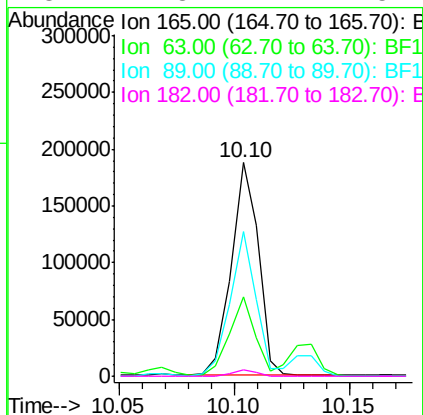
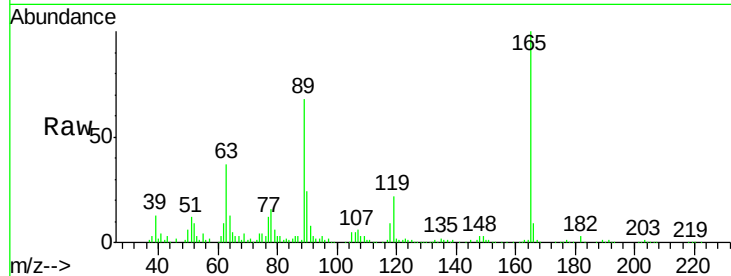
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	152666		
63	37.4	27.4	41.0	
89	67.6	51.8	77.6	
182	2.8	2.2	3.2	

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#58

Fluorene

Concen: 40.934 ng

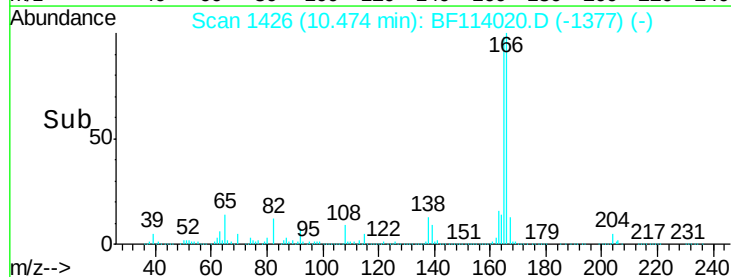
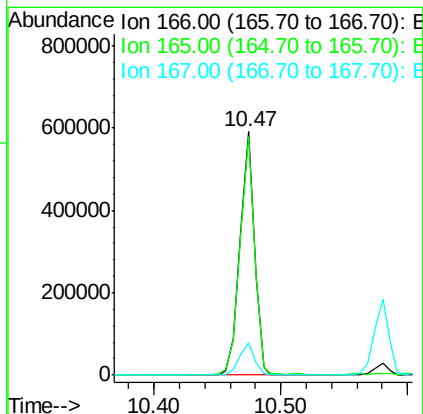
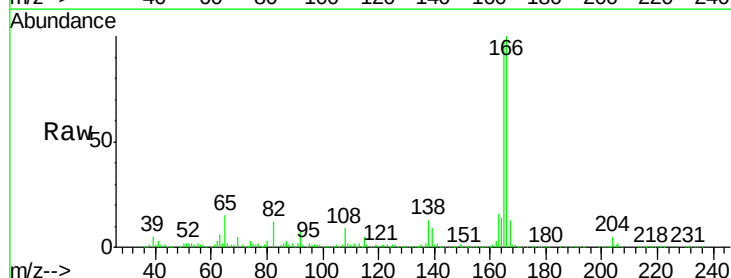
RT: 10.47 min Scan# 1426

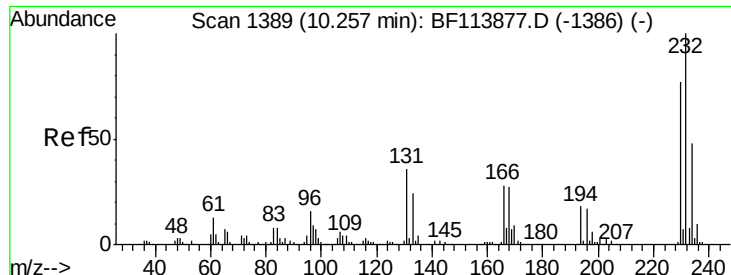
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	462635		
165	97.7	78.4	117.6	
167	13.3	10.9	16.3	





#59

2,3,4,6-Tetrachlorophenol

Concen: 37.671 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

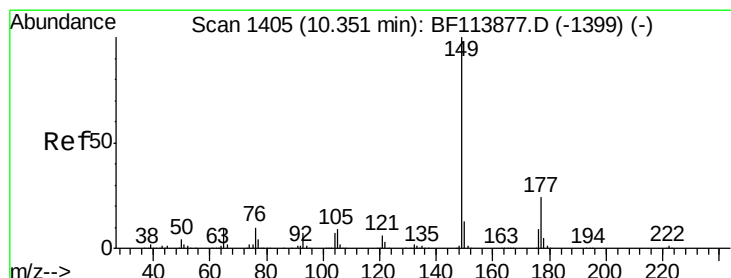
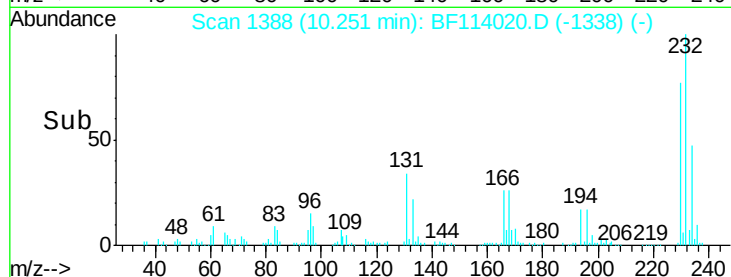
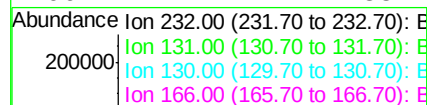
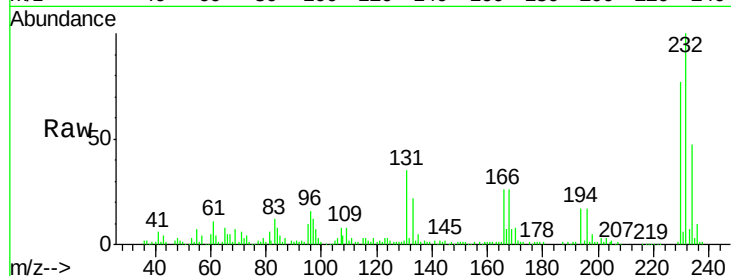
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	232	Resp:	133543
Ion Ratio	Lower	Upper	
232	100		
131	36.5	30.2	45.2
130	1.9	1.5	2.3
166	27.1	22.2	33.4

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#60

Diethylphthalate

Concen: 41.531 ng

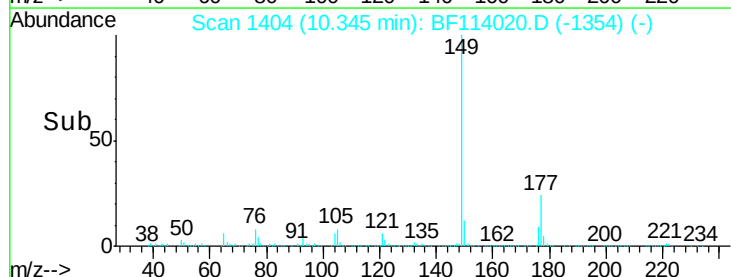
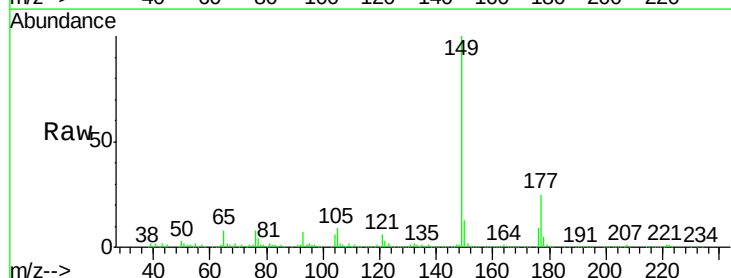
RT: 10.34 min Scan# 1404

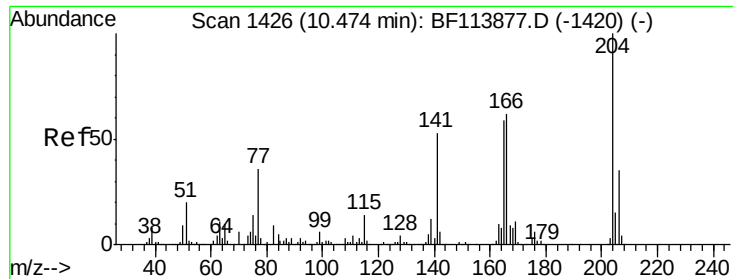
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	149	Resp:	497329
Ion Ratio	Lower	Upper	
149	100		
177	24.6	19.2	28.8
150	12.5	10.3	15.5





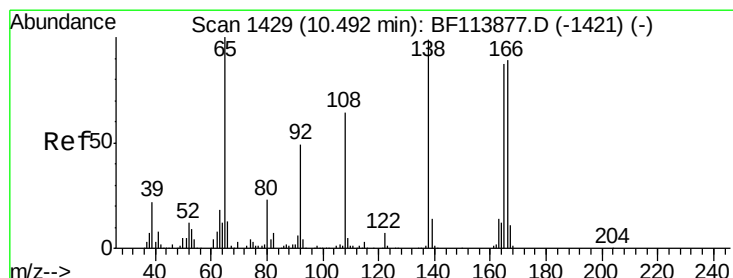
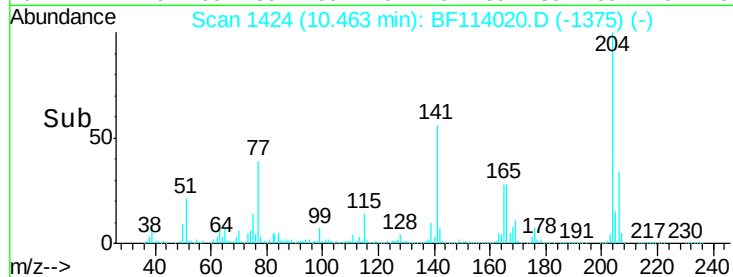
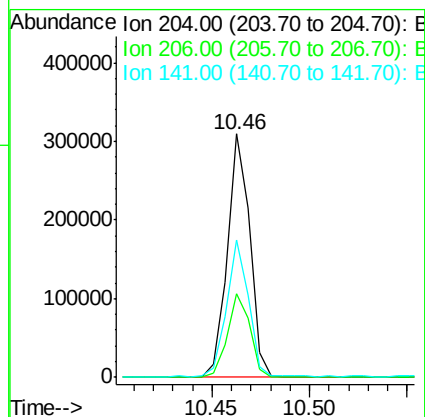
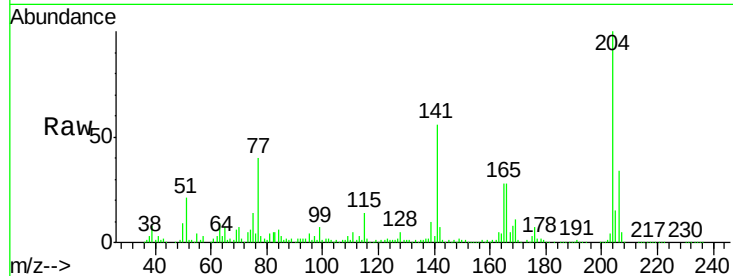
#61
 4-Chlorophenyl-phenylether
 Concen: 41.124 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	34.1	27.4	41.2
141	56.5	42.6	63.8

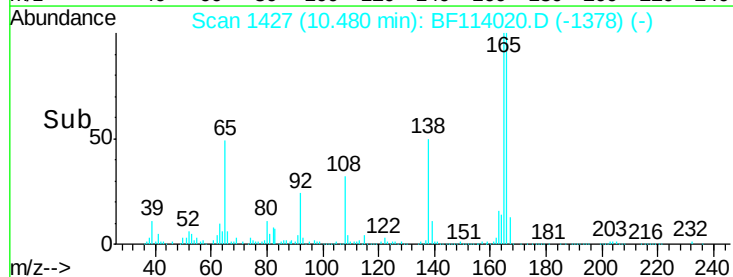
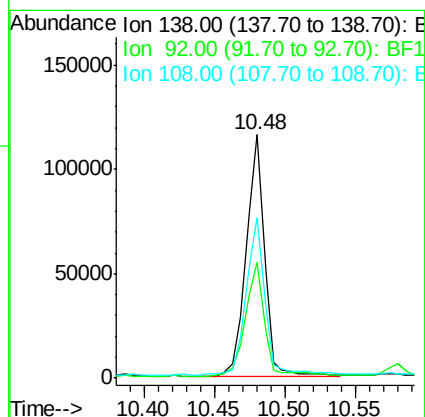
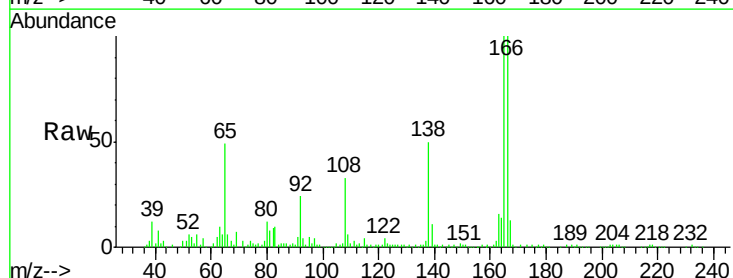
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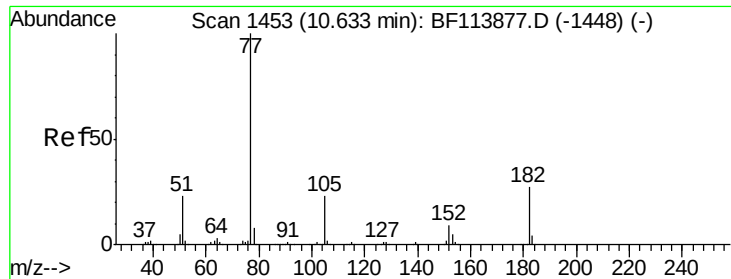
Sohil
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#62
 4-Nitroaniline
 Concen: 38.047 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.7	31.3	71.3
108	66.1	48.9	88.9





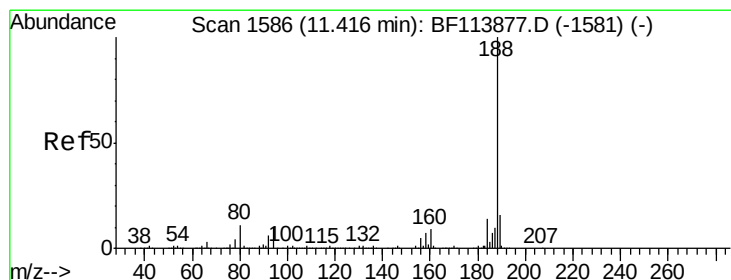
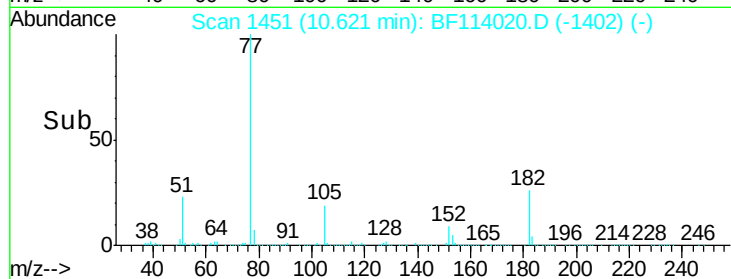
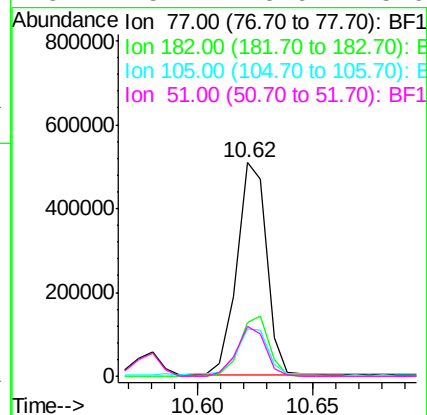
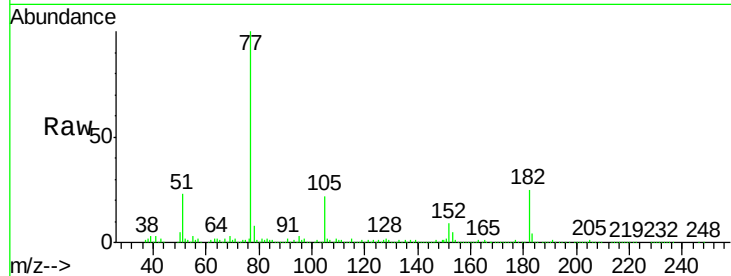
#63
Azobenzene
Concen: 38.902 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.4	44.4
105	22.2	2.2	42.2
51	23.1	3.9	43.9

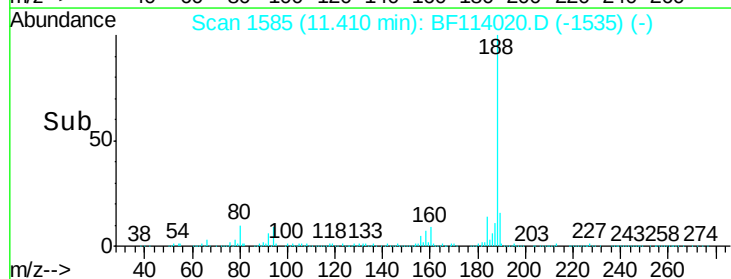
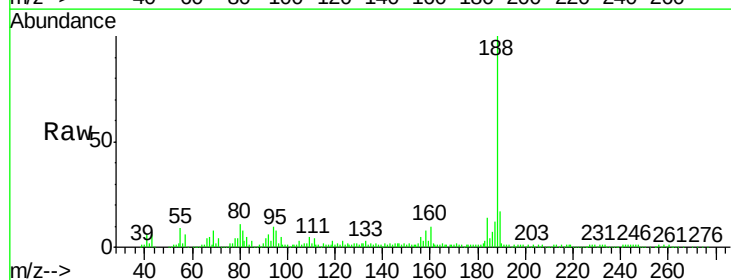
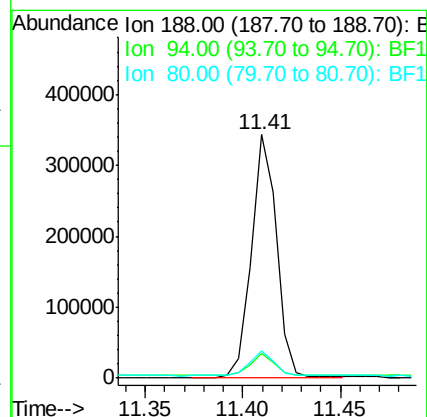
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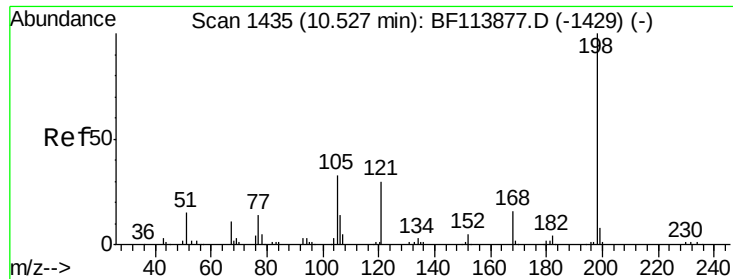
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.4
80	11.5	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 35.378 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

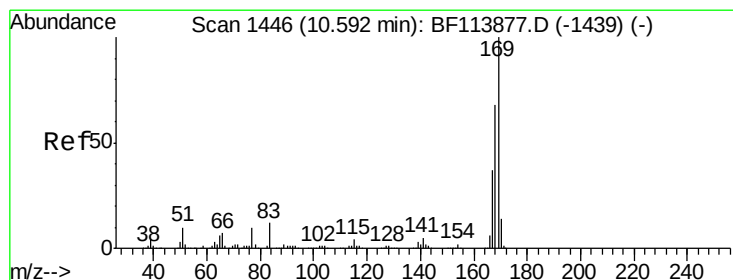
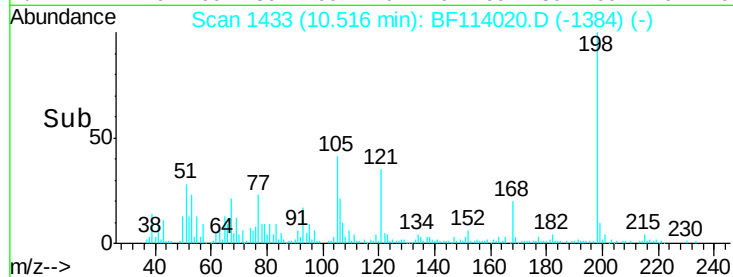
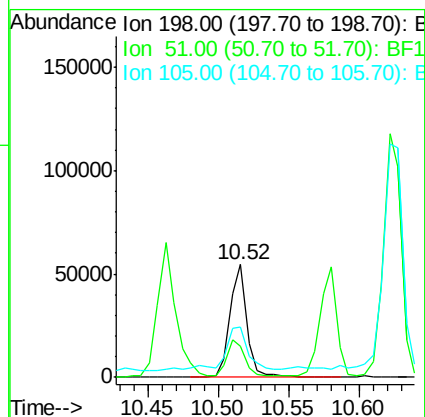
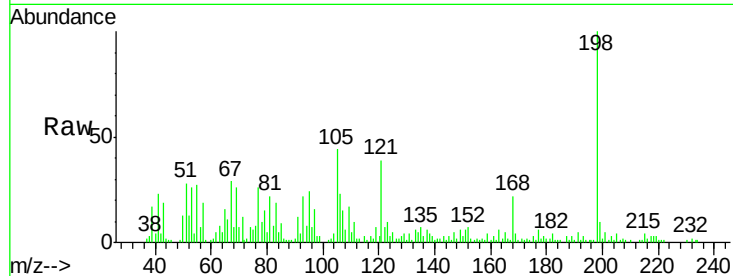
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	198	Resp:	46074
Ion Ratio	Lower	Upper	
198	100		
51	28.1	11.1	51.1
105	44.1	20.7	60.7

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 45.883 ng

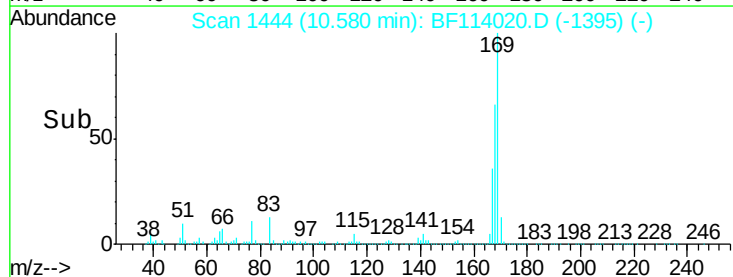
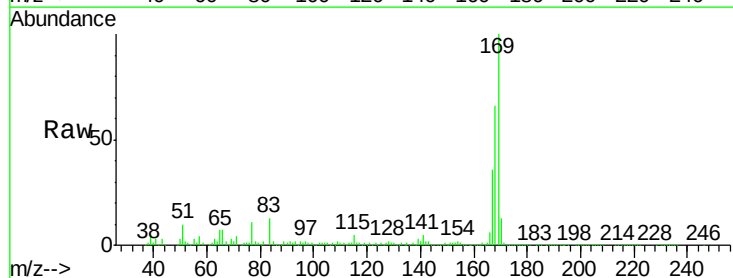
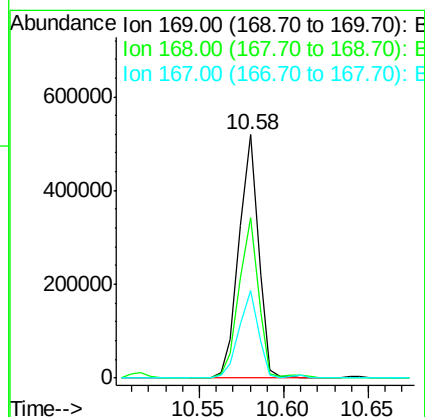
RT: 10.58 min Scan# 1444

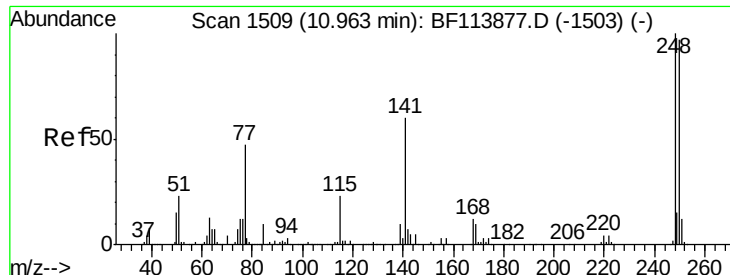
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	169	Resp:	417966
Ion Ratio	Lower	Upper	
169	100		
168	66.1	54.3	81.5
167	35.7	29.4	44.0





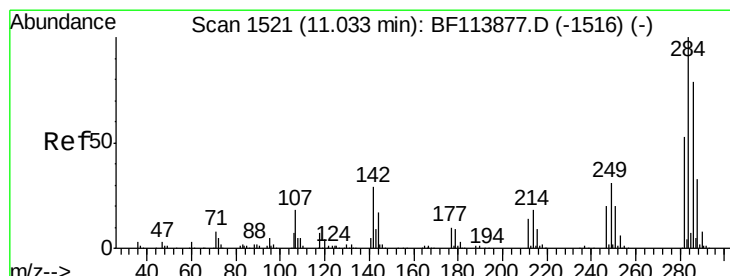
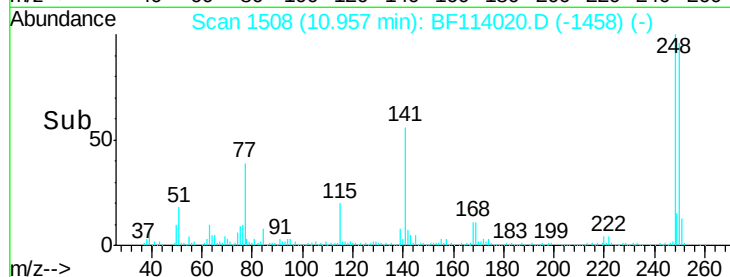
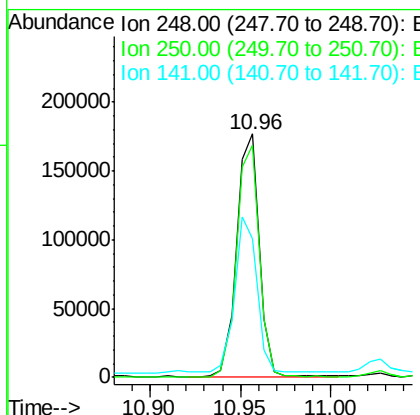
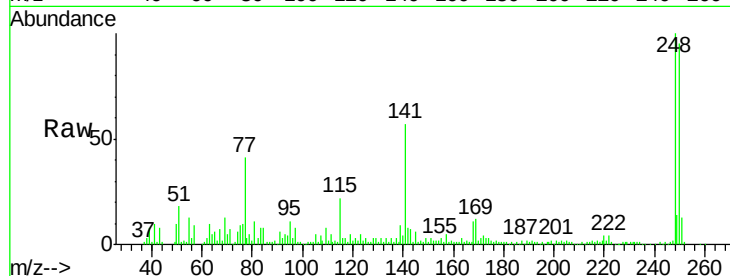
#67
4-Bromophenyl-phenylether
Concen: 41.379 ng
RT: 10.96 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	151759		
250	95.4	75.8	113.6	
141	56.8	50.2	75.4	

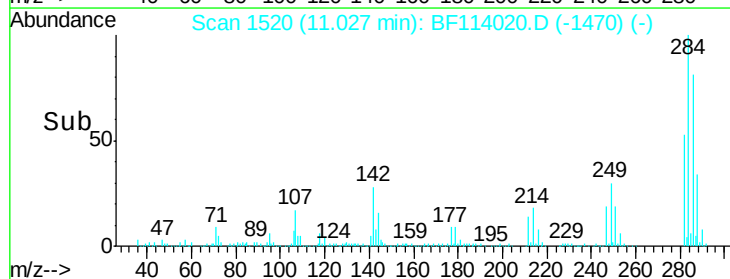
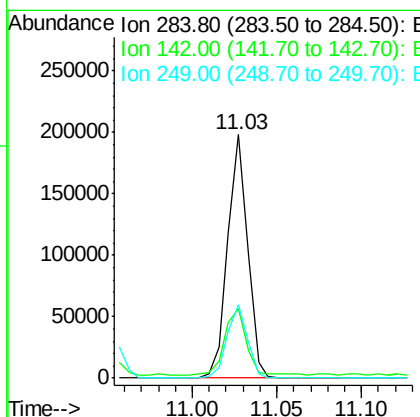
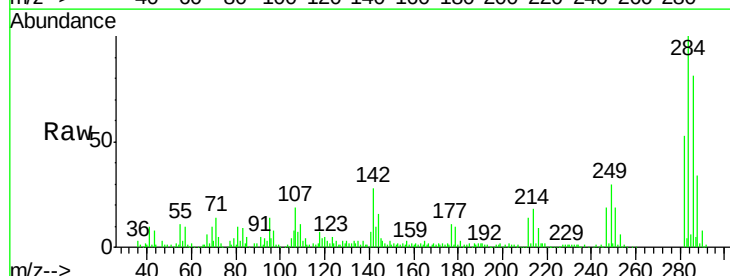
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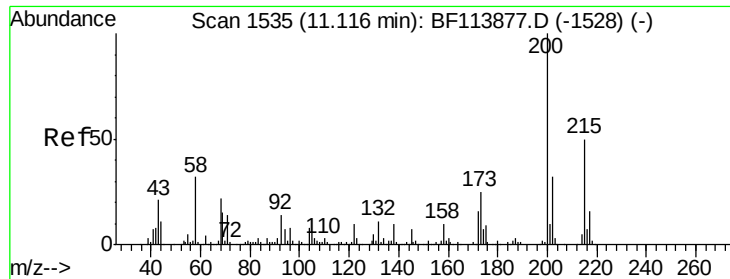
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#68
Hexachlorobenzene
Concen: 40.417 ng
RT: 11.03 min Scan# 1520
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	162888		
142	28.4	23.0	34.4	
249	30.2	24.4	36.6	





#69

Atrazine

Concen: 43.641 ng

RT: 11.10 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

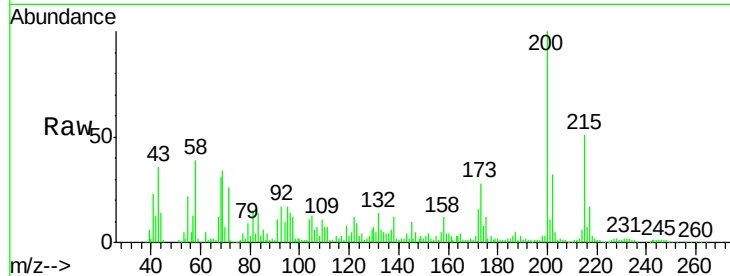
ClientSampleId :

114-PENNINGTONMSD

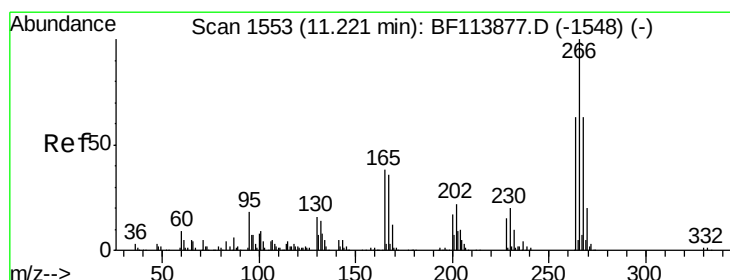
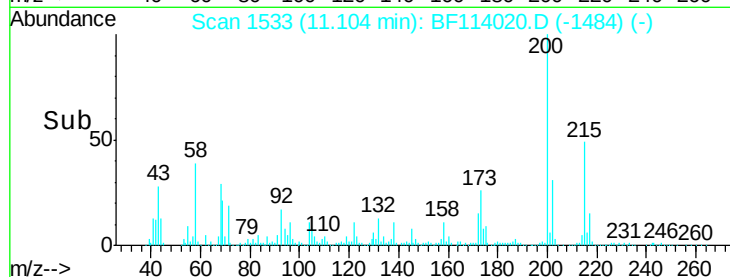
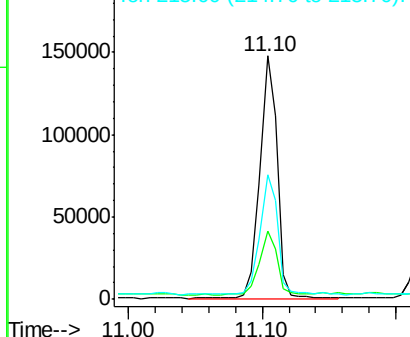
Tgt Ion:	200	Resp:	129321
Ion Ratio	Lower	Upper	
200	100		
173	27.9	5.9	45.9
215	50.9	29.3	69.3

Manual Integrations
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Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 65.492 ng

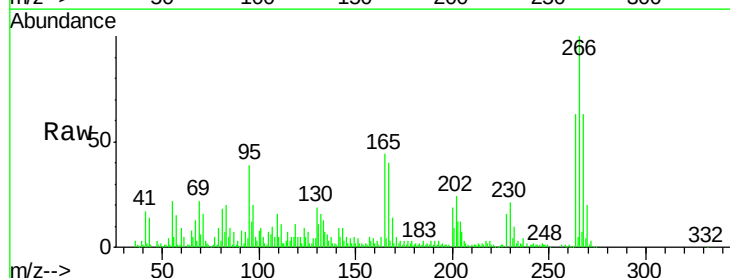
RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

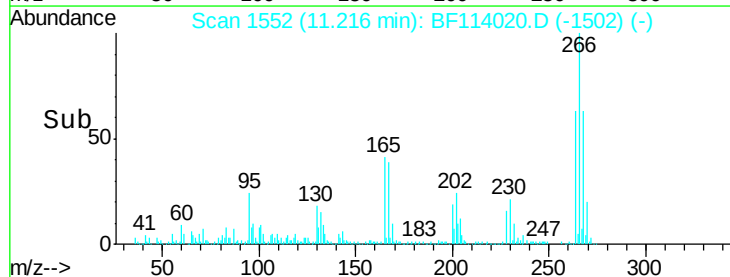
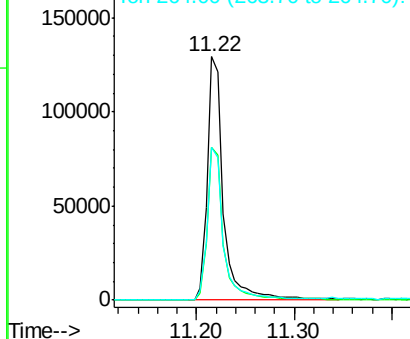
Lab File: BF114020.D

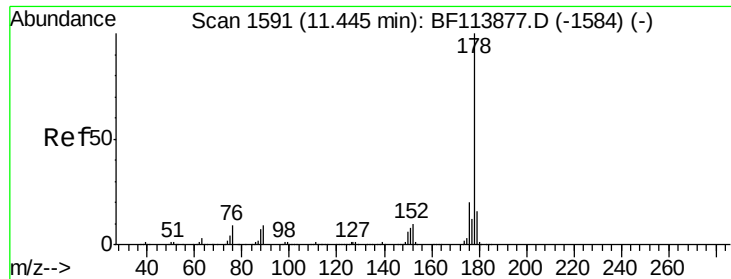
Acq: 29 Apr 2019 13:12

Tgt Ion:	266	Resp:	149443
Ion Ratio	Lower	Upper	
266	100		
268	62.7	53.5	80.3
264	62.5	51.0	76.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 42.702 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

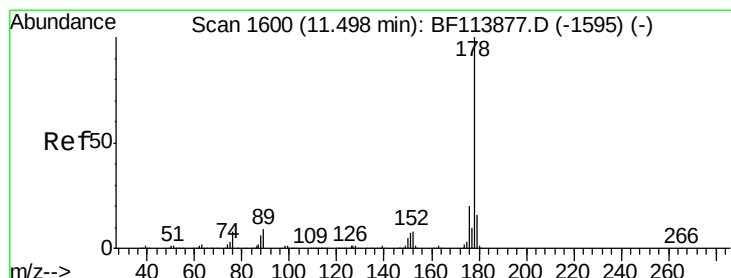
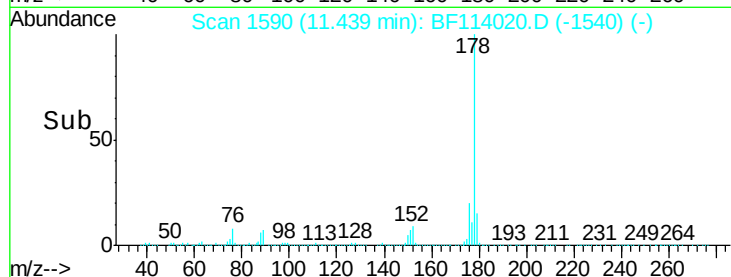
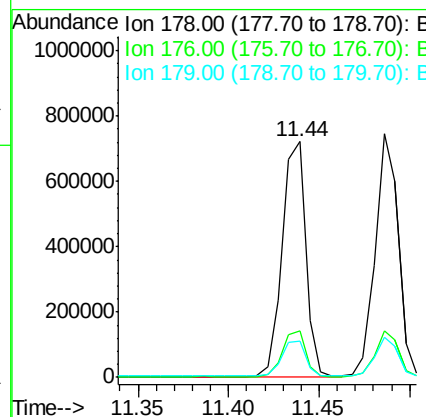
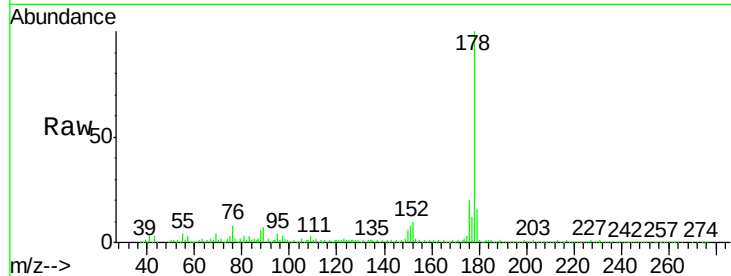
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	178	Resp:	651512
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.1	24.1
179	15.6	12.8	19.2

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#72

Anthracene

Concen: 42.855 ng

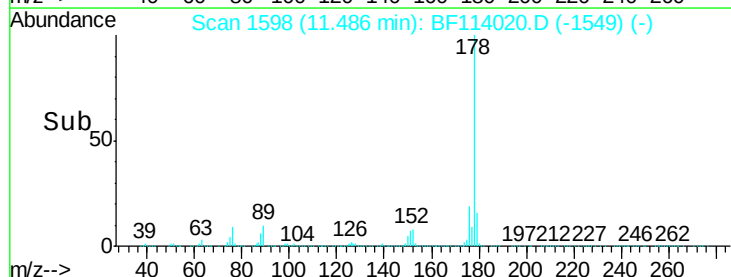
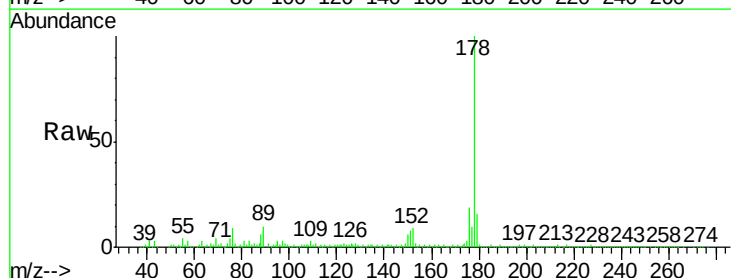
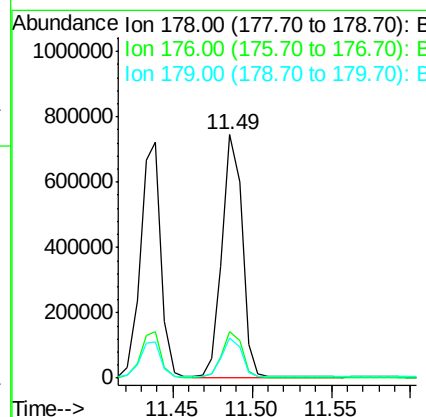
RT: 11.49 min Scan# 1598

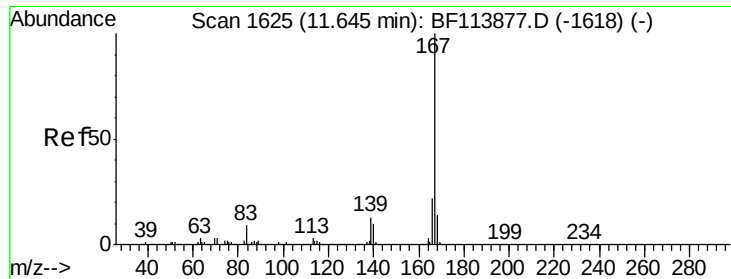
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	178	Resp:	660286
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.7	23.5
179	16.2	13.0	19.4





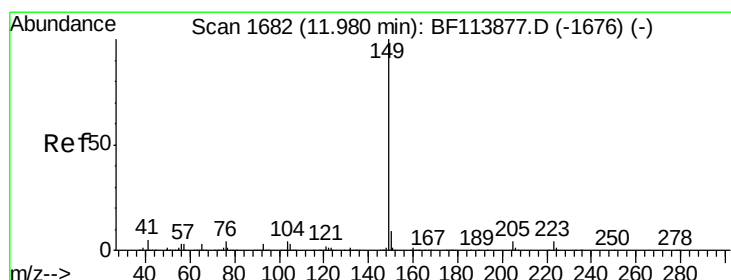
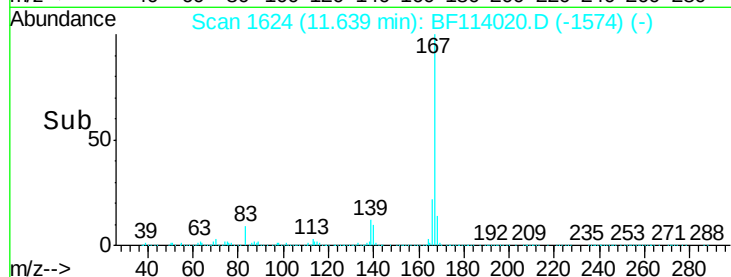
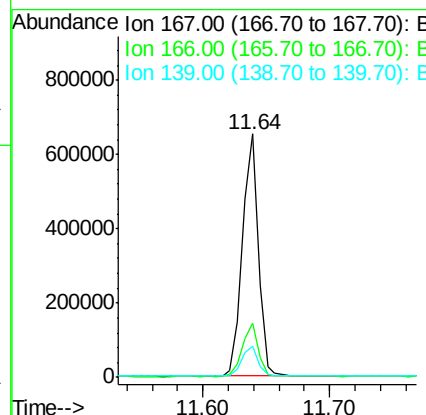
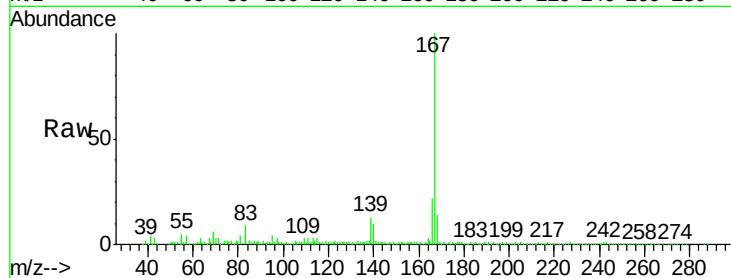
#73
 Carbazole
 Concen: 40.809 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	560940		
166	22.0		17.7	26.5
139	12.7		10.0	15.0

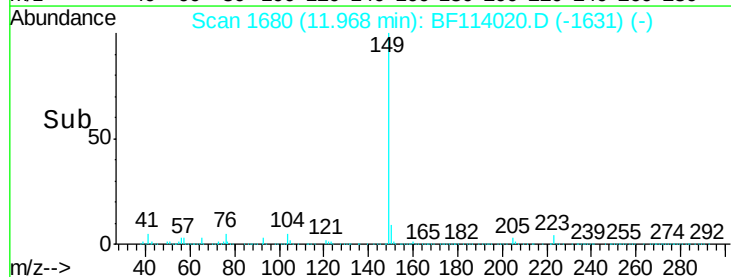
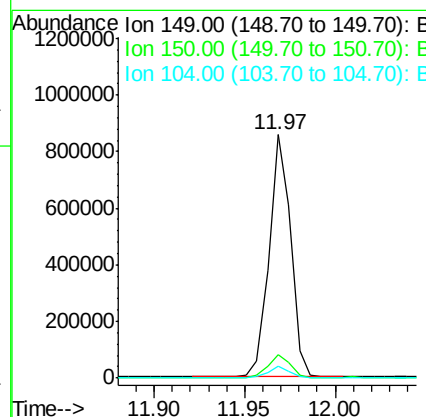
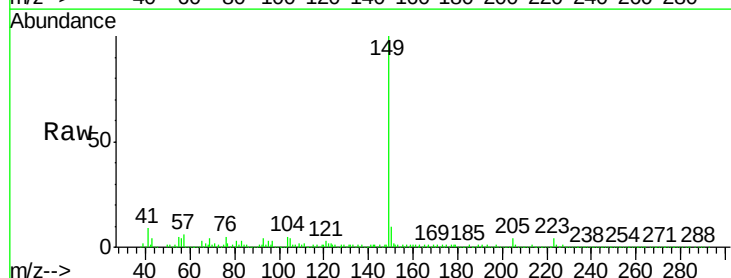
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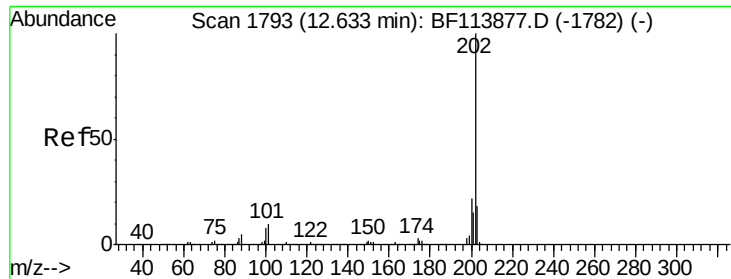
Sohil
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#74
 Di-n-butylphthalate
 Concen: 43.337 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	700724		
150	9.5		7.8	11.8
104	4.8		3.8	5.8





#75

Fluoranthene

Concen: 38.910 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

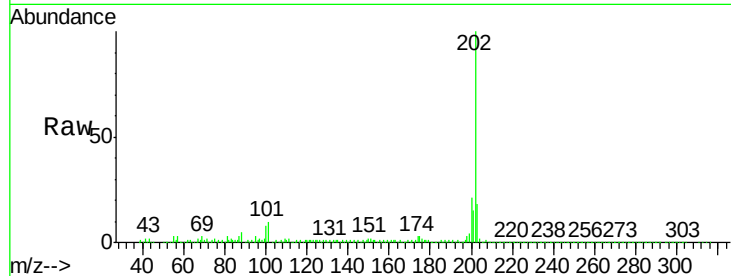
ClientSampleId :

114-PENNINGTONMSD

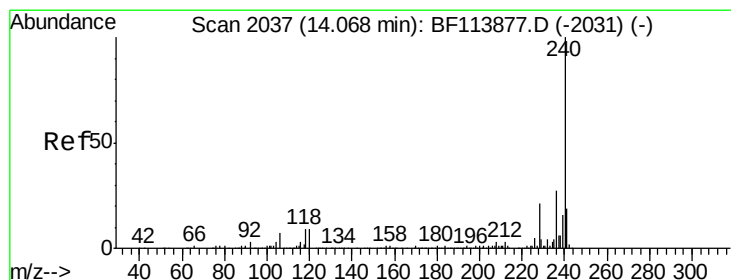
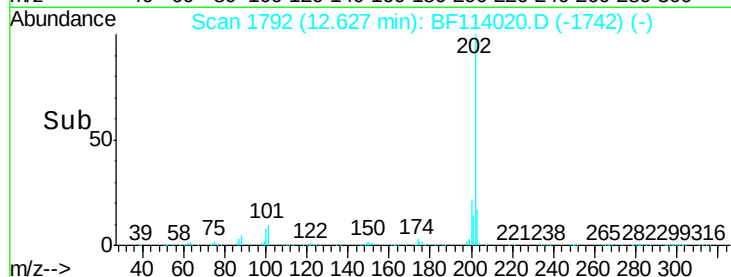
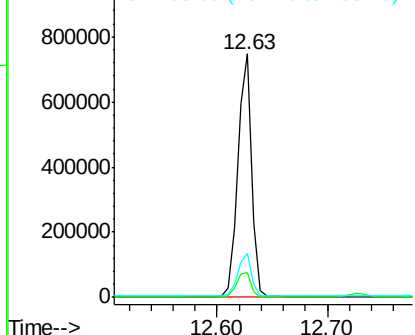
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		647702		
101	10.1	0.0	32.9		
203	17.8	0.0	38.2		

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

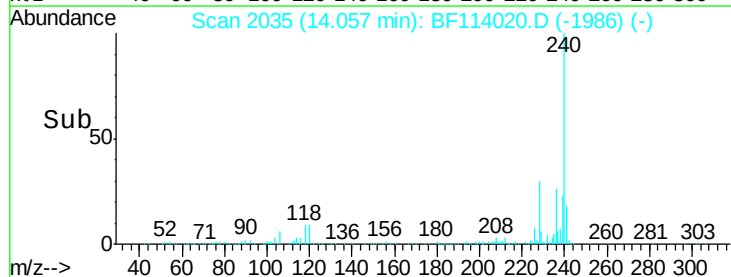
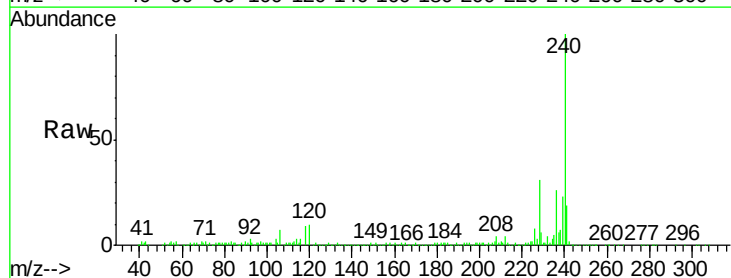
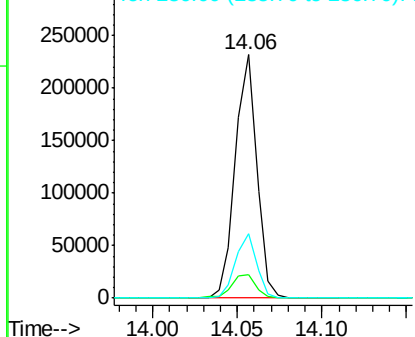
Delta R.T. -0.01 min

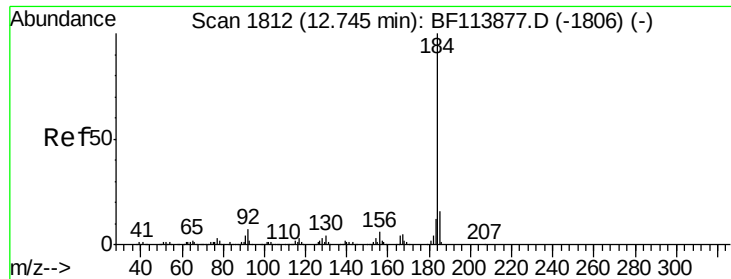
Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		206125		
120	9.6	9.3	13.9		
236	26.4	21.2	31.8		

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 24.163 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

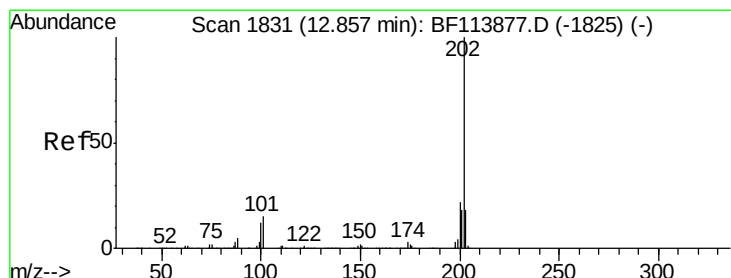
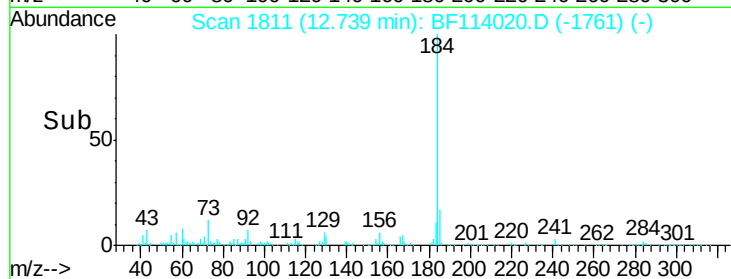
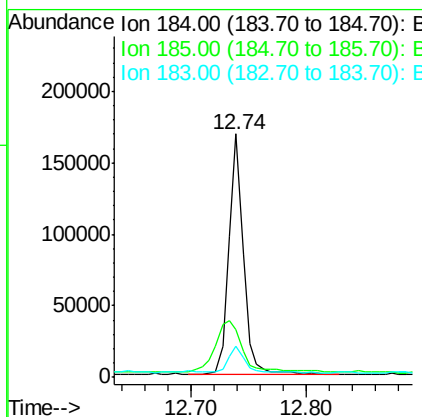
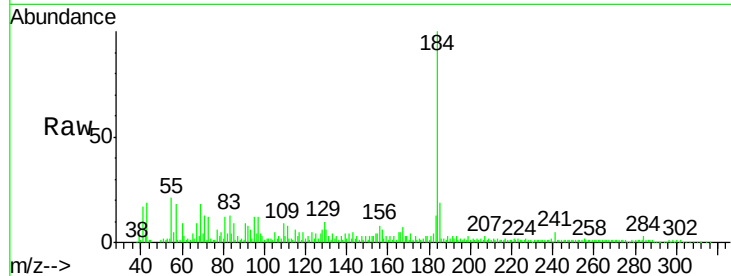
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	184	Resp:	148403
Ion Ratio	Lower	Upper	
184	100		
185	19.4	13.0	19.6
183	12.8	9.4	14.0

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#78

Pyrene

Concen: 43.814 ng

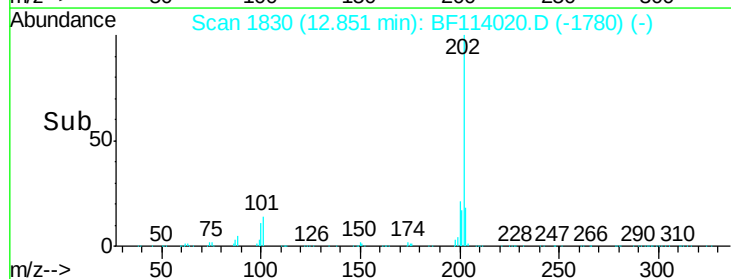
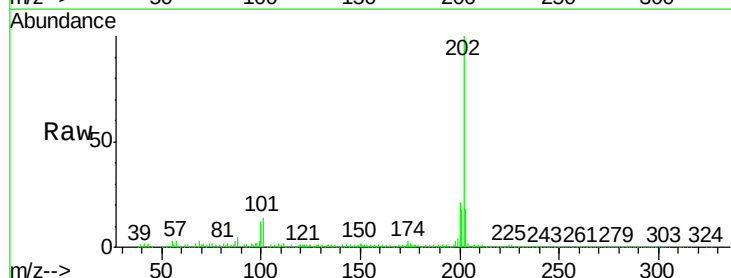
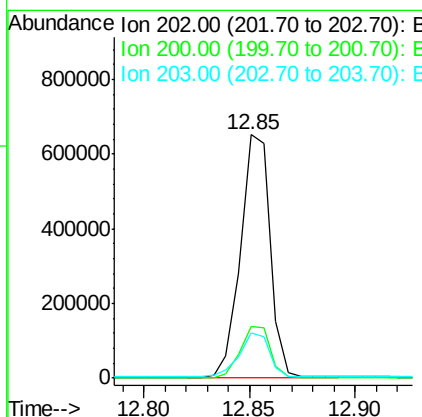
RT: 12.85 min Scan# 1830

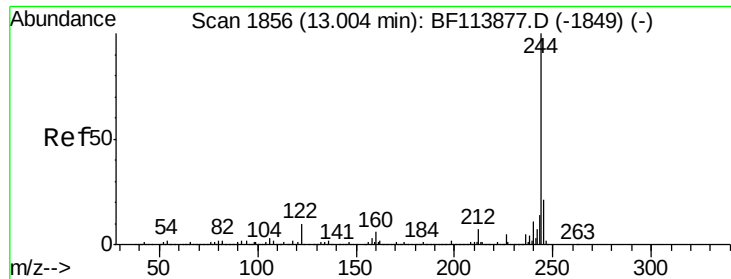
Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	202	Resp:	631563
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.7	26.5
203	18.4	15.0	22.6





#79

Terphenyl-d14

Concen: 87.487 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

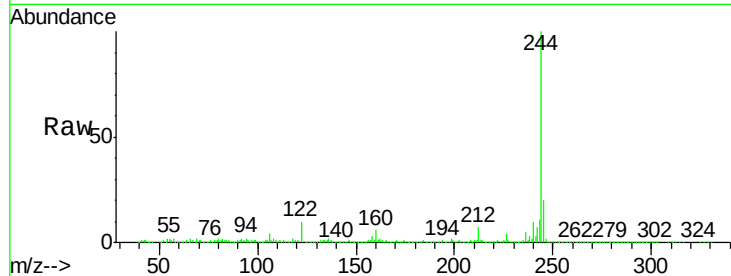
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	244	Resp:	879616
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.1	7.6	11.4

Manual Integrations
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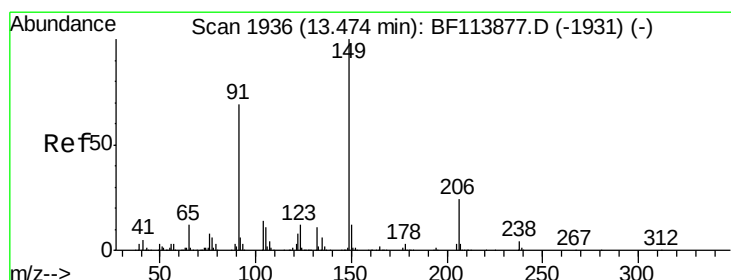
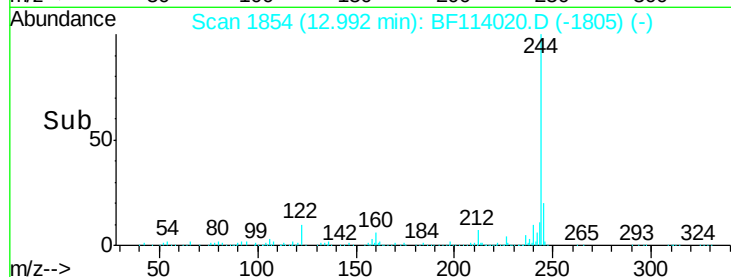
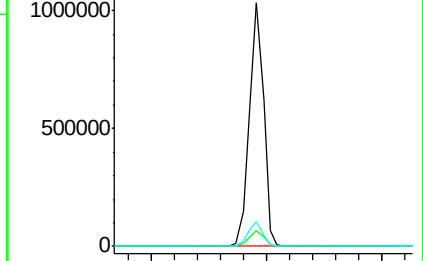
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 46.121 ng

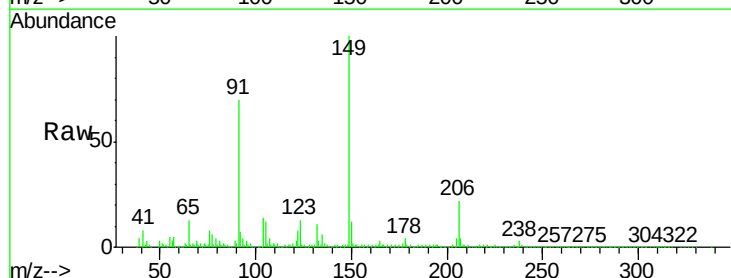
RT: 13.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

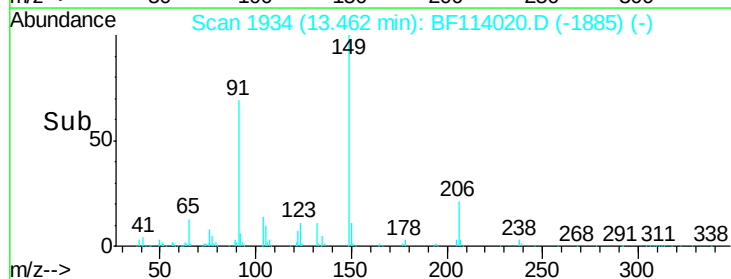
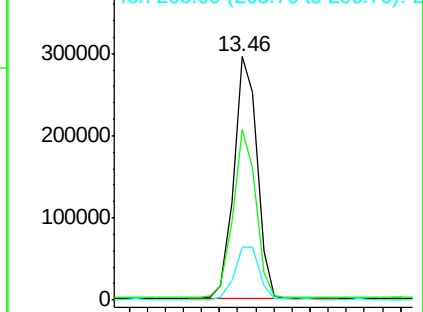
Tgt Ion:	149	Resp:	261572
Ion Ratio		Lower	Upper
149	100		
91	69.9	56.3	84.5
206	21.7	19.0	28.6

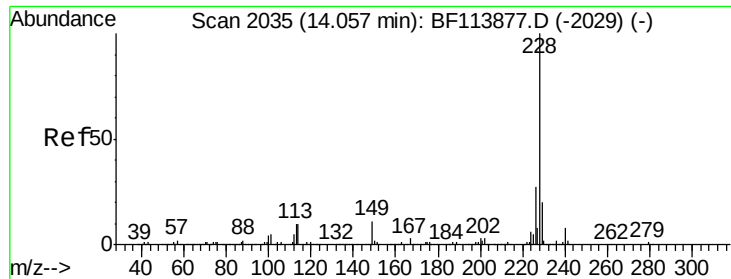


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





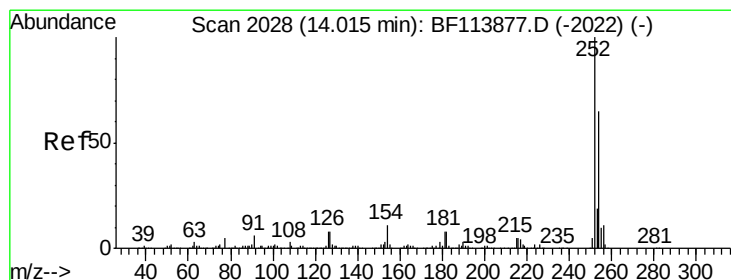
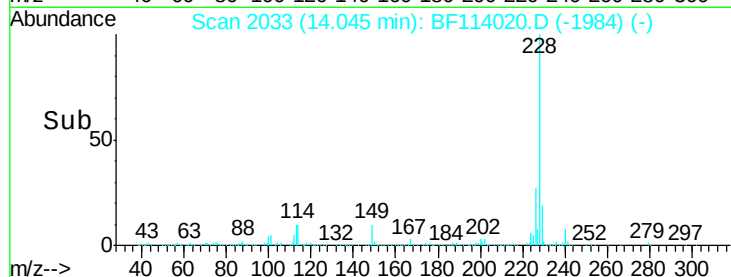
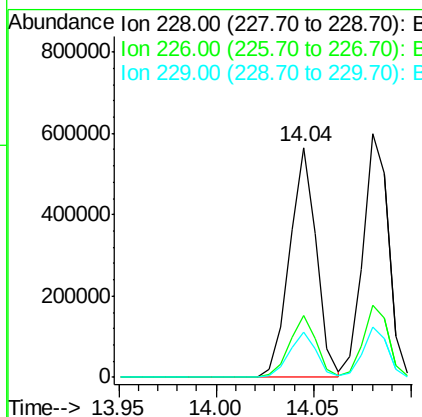
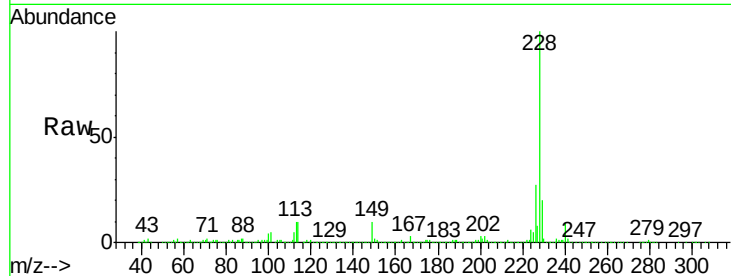
#81
Benzo(a)anthracene
Concen: 43.838 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.2	33.2
229	19.6	16.0	24.0

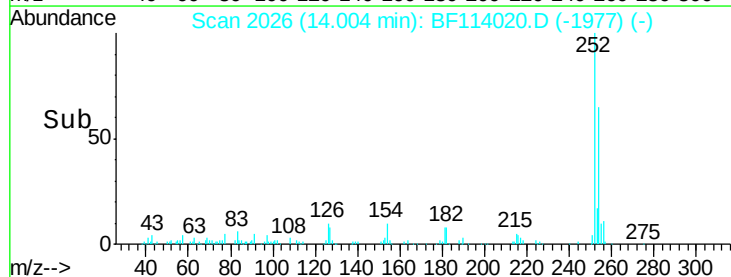
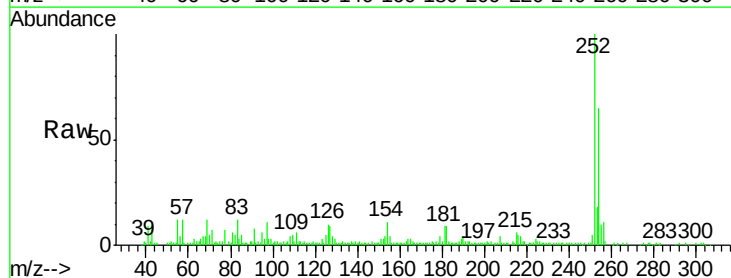
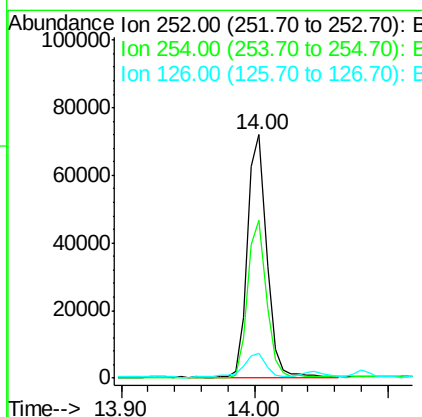
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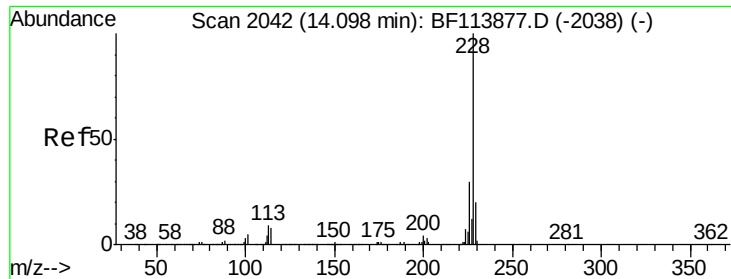
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#82
3,3'-Dichlorobenzidine
Concen: 16.347 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.1	78.1
126	10.4	9.3	13.9





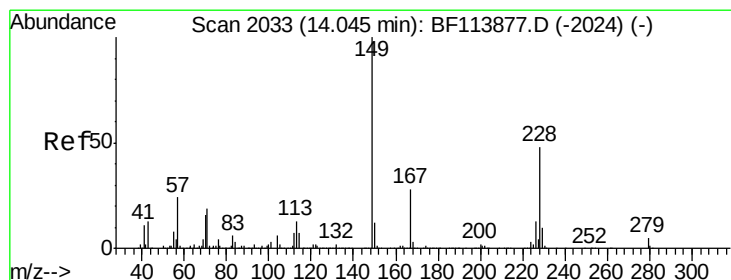
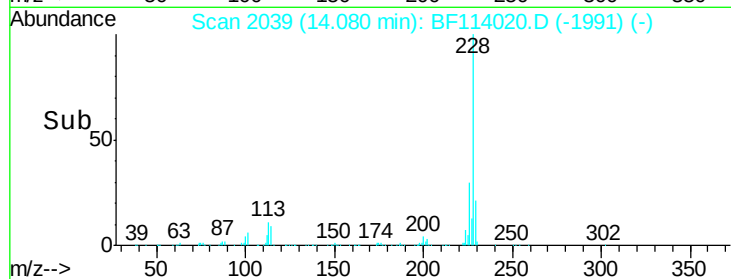
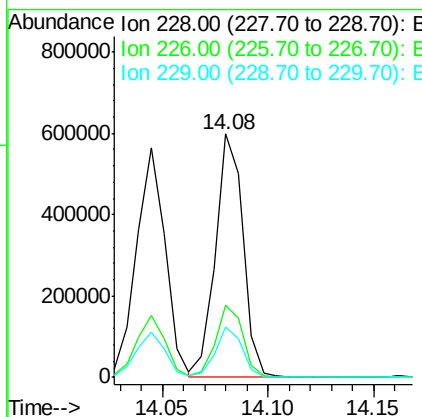
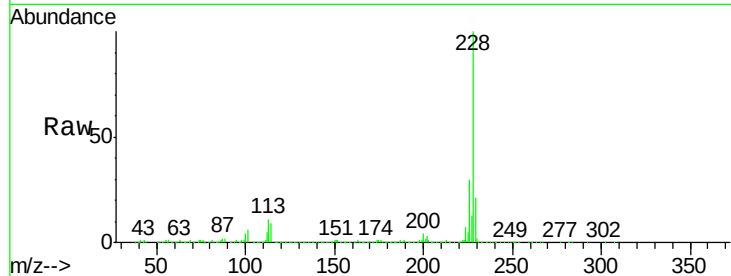
#83
Chrysene
 Concen: 45.610 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Instrument :
 BNA_F
 ClientSampleId :
 114-PENNINGTONMSD

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	539457		
226	29.8		25.2	37.8
229	20.8		16.7	25.1

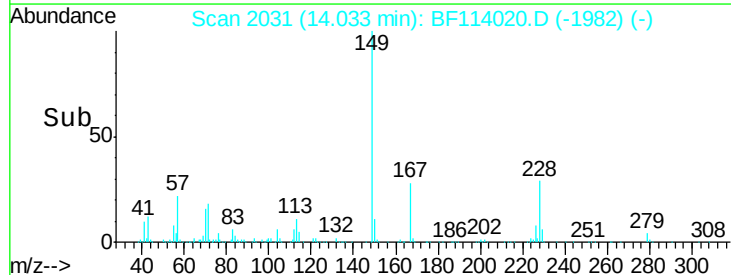
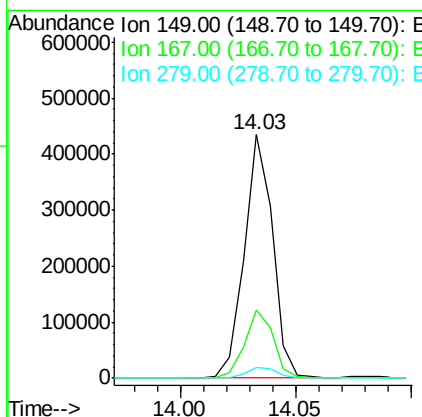
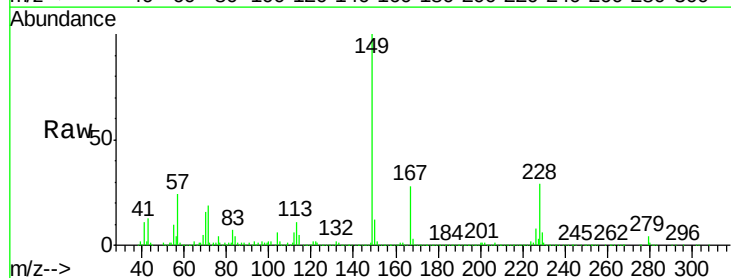
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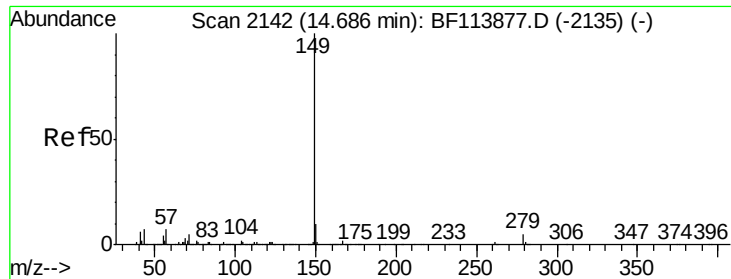
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#84
Bis(2-ethylhexyl)phthalate
 Concen: 51.427 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF114020.D
 Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	371089		
167	28.0		22.9	34.3
279	4.3		4.2	6.2





#85

Di-n-octyl phthalate

Concen: 54.012 ng

RT: 14.67 min Scan# 2139

Delta R.T. -0.02 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

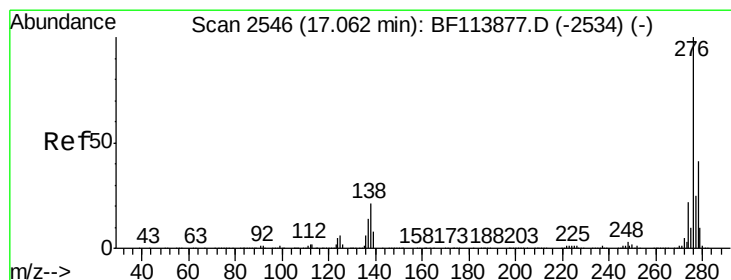
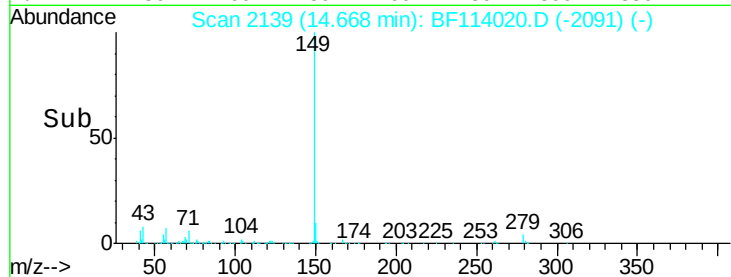
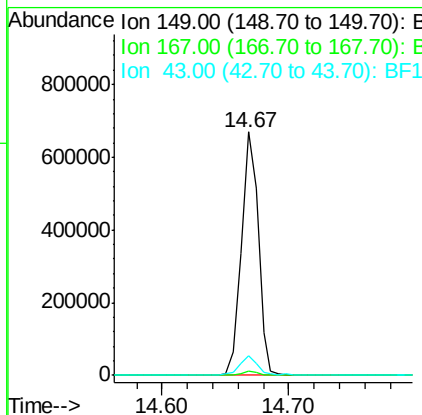
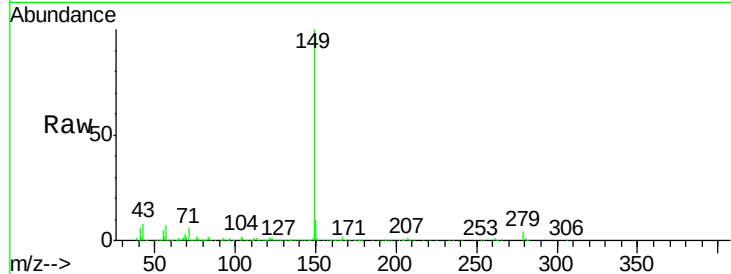
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	149	Resp:	610034
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.3	1.9
43	7.7	6.6	10.0

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#86

Indeno(1,2,3-cd)pyrene

Concen: 65.299 ng

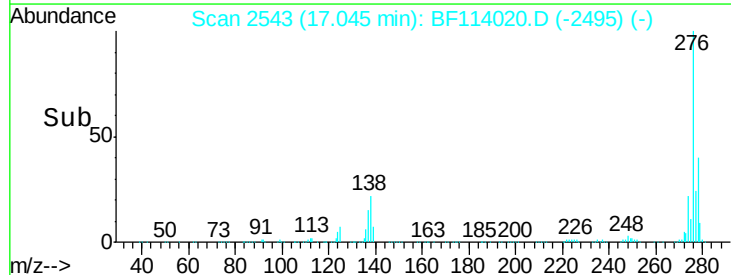
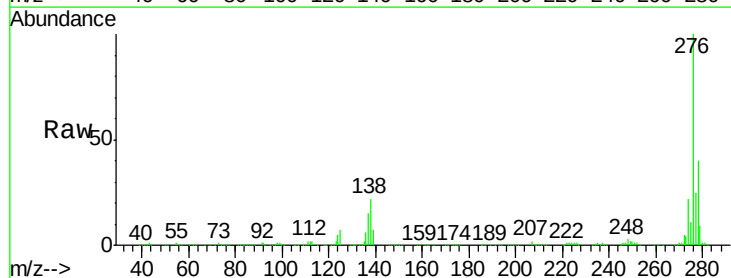
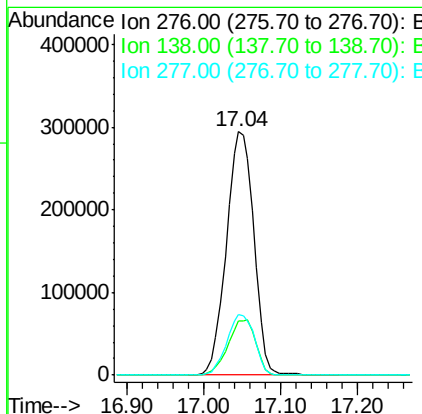
RT: 17.04 min Scan# 2543

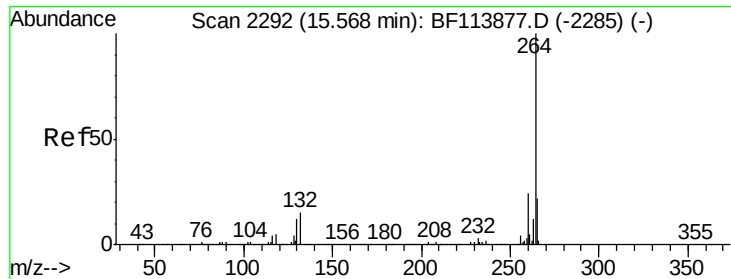
Delta R.T. -0.02 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	276	Resp:	731571
Ion Ratio	Lower	Upper	
276	100		
138	23.1	19.6	29.4
277	25.2	20.2	30.4





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Instrument :

BNA_F

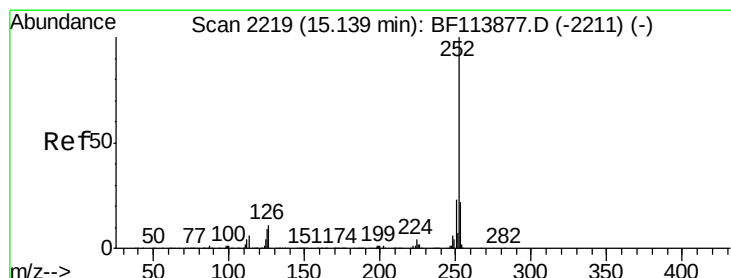
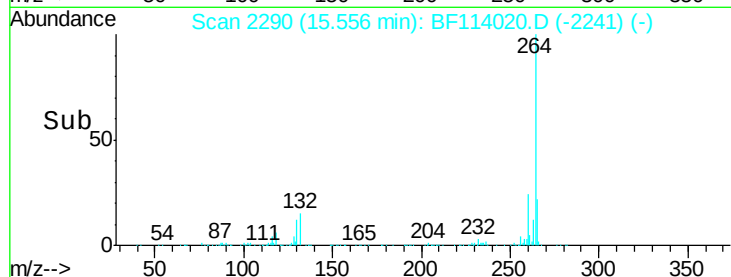
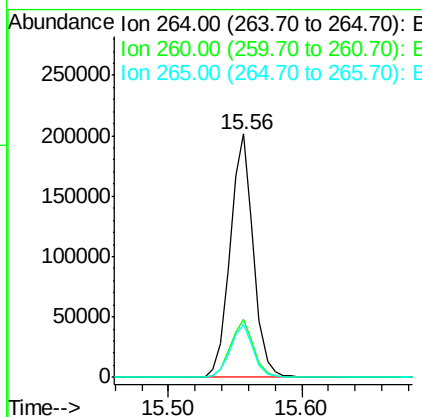
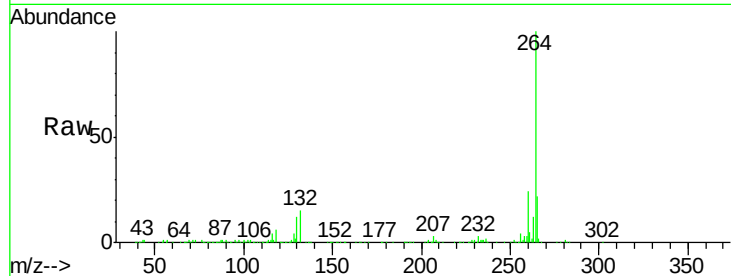
ClientSampleId :

114-PENNINGTONMSD

Tgt Ion:	264	Resp:	244254
Ion Ratio		Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.7	17.3	25.9

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 40.003 ng

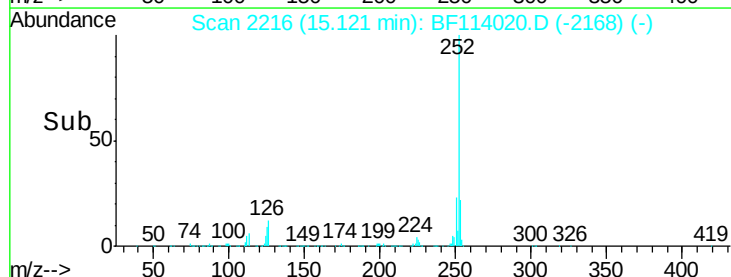
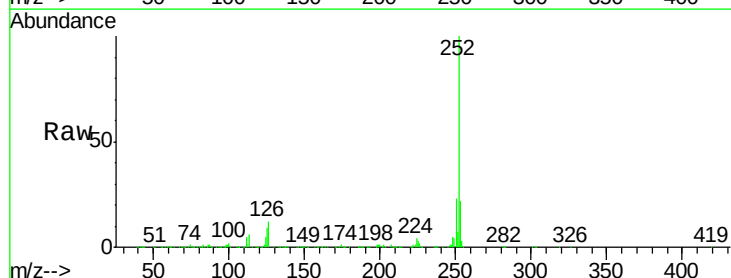
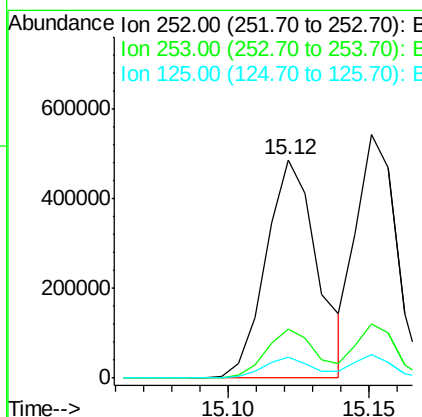
RT: 15.12 min Scan# 2216

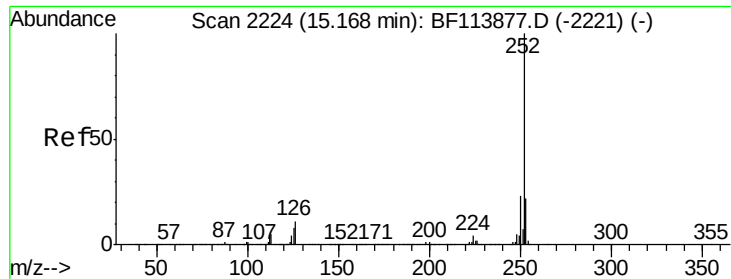
Delta R.T. -0.02 min

Lab File: BF114020.D

Acq: 29 Apr 2019 13:12

Tgt Ion:	252	Resp:	618192
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.8	26.6
125	9.3	7.0	10.6





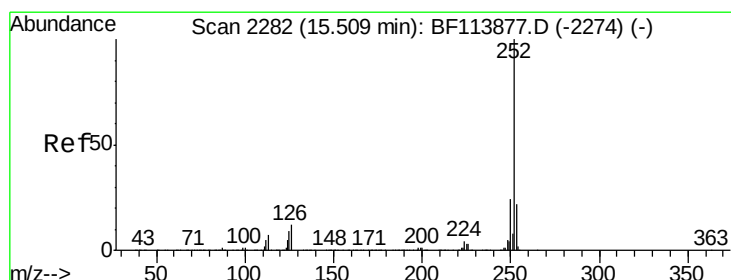
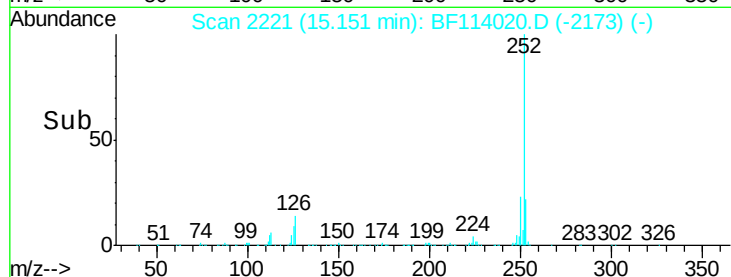
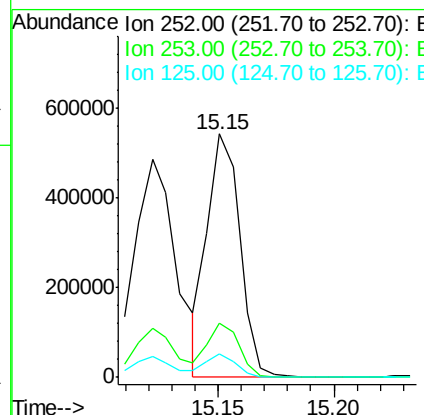
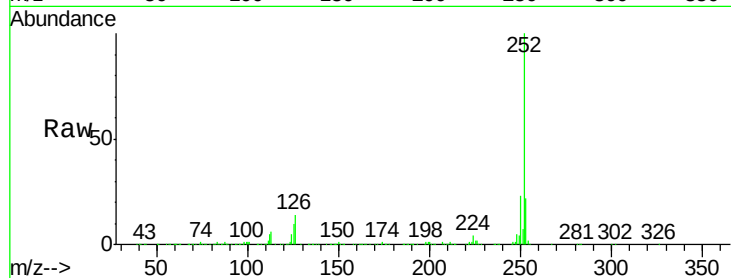
#89
Benzo(k)fluoranthene
Concen: 39.997 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	9.6	7.4	11.2

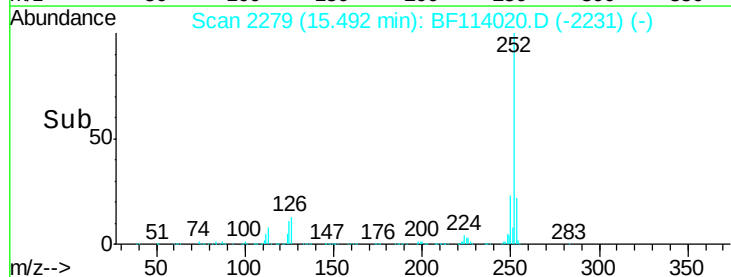
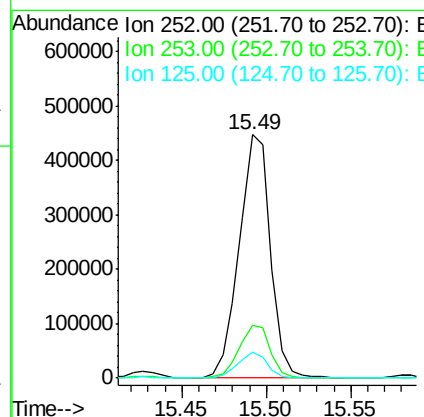
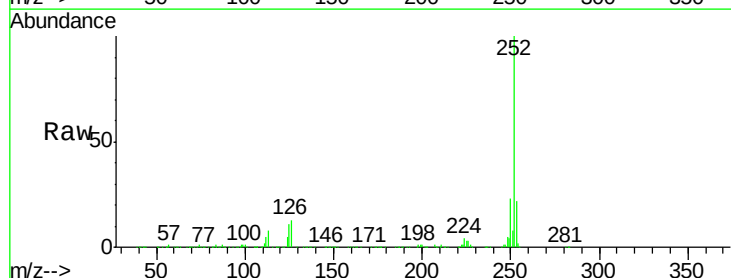
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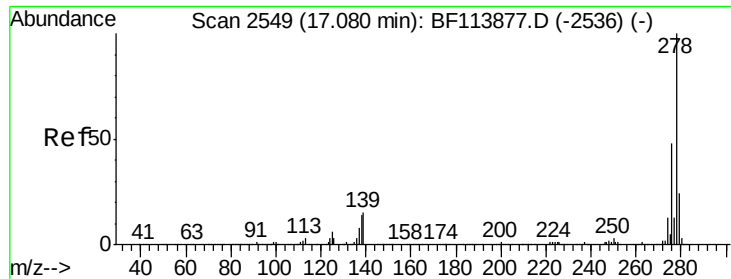
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#90
Benzo(a)pyrene
Concen: 42.963 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.02 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.9	8.5	12.7





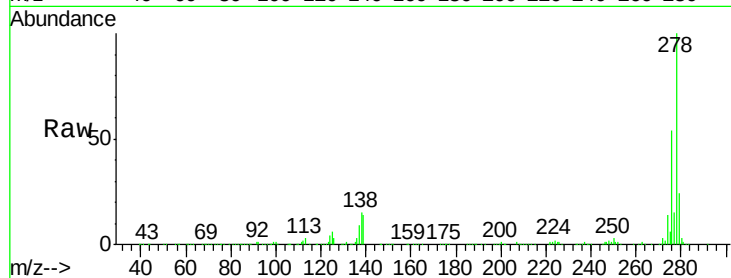
#91
Dibenzo(a,h)anthracene
Concen: 49.024 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.02 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Instrument :
BNA_F
ClientSampleId :
114-PENNINGTONMSD

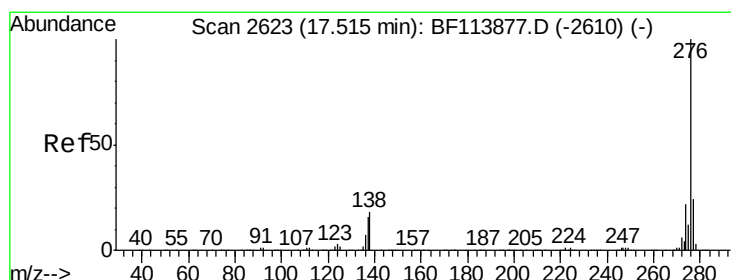
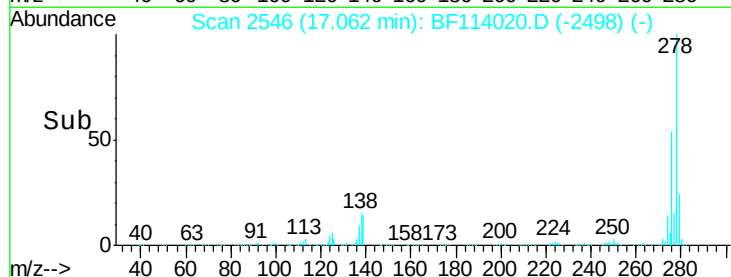
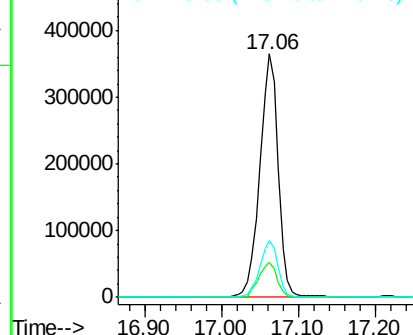
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.6	17.4
279	23.5	19.0	28.6

Manual Integrations
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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 49.565 ng
RT: 17.50 min Scan# 2620
Delta R.T. -0.02 min
Lab File: BF114020.D
Acq: 29 Apr 2019 13:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	19.5	16.6	25.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

