Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032020\
Data File : BF119470.D
Acq On : 20 Mar 2020 14:14
Operator : CG/JU
Sample : L1749-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Manual Integrations APPROVED
mohammad
3/23/2020 9:40:38 AM

Quant Time: Mar 23 04:23:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 15:11:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	280370	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1057972	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	546375	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1037501	20.00	ng	0.00
76) Chrysene-d12	14.03	240	634841	20.00	ng	0.00
87) Perylene-d12	15.50	264	642192	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1859480	105.58	ng	0.01
7) Phenol-d6	6.48	99	2392703	106.35	ng	0.00
23) Nitrobenzene-d5	7.42	82	1506509	77.39	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	659326	116.97	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2695827	73.10	ng	0.00
79) Terphenyl-d14	12.97	244	2857048	88.17	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.64	88	317798	36.535	ng	99
3) Pyridine	3.39	79	797261	33.269	ng	99
4) n-Nitrosodimethylamine	3.33	42	470737	40.281	ng	95
6) Aniline	6.51	93	974877	31.396	ng	99
8) 2-Chlorophenol	6.63	128	865115	46.768	ng	98
9) Benzaldehyde	6.40	77	554680	38.864	ng	98
10) Phenol	6.49	94	1070157m	44.578	ng	
11) bis(2-Chloroethyl)ether	6.59	93	824331	42.934	ng	97
12) 1,3-Dichlorobenzene	6.79	146	875596	43.735	ng	100
13) 1,4-Dichlorobenzene	6.87	146	885532	44.221	ng	100
14) 1,2-Dichlorobenzene	7.02	146	822587	43.947	ng	99
15) Benzyl Alcohol	6.99	79	754706	44.595	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1586146	40.956	ng	99
17) 2-Methylphenol	7.10	107	697784	41.171	ng	99
18) Hexachloroethane	7.37	117	332140	45.259	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	586763	43.269	ng	97
20) 3+4-Methylphenols	7.26	107	846585m	40.758	ng	
22) Acetophenone	7.26	105	1109373	43.884	ng	97
24) Nitrobenzene	7.43	77	891672	42.861	ng	99
25) Isophorone	7.67	82	1651813	41.830	ng	99
26) 2-Nitrophenol	7.75	139	452976	55.300	ng	98
27) 2,4-Dimethylphenol	7.79	122	797703	47.097	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	1031112	44.157	ng	99
29) 2,4-Dichlorophenol	7.99	162	694869	44.649	ng	99
30) 1,2,4-Trichlorobenzene	8.08	180	745951	43.341	ng	99
31) Naphthalene	8.16	128	2391994	43.935	ng	100
32) Benzoic acid	7.90	122	502547	46.126	ng	96
33) 4-Chloroaniline	8.20	127	537859	21.560	ng	99
34) Hexachlorobutadiene	8.28	225	419127	43.525	ng	98
35) Caprolactam	8.57	113	221618m	43.511	ng	
36) 4-Chloro-3-methylphenol	8.69	107	754120	44.335	ng	99
37) 2-Methylnaphthalene	8.85	142	1596495	44.681	ng	99
38) 1-Methylnaphthalene	8.95	142	1521802	44.997	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	679745	42.445	ng	98

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Sample : L1749-01MS
Misc :
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Instrument :
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Quant Time: Mar 23 04:23:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 18 15:11:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	739845	81.261 ng	100
43) 2,4,6-Trichlorophenol	9.13	196	514118	44.860 ng	99
44) 2,4,5-Trichlorophenol	9.17	196	533466	41.552 ng	98
46) 1,1'-Biphenyl	9.32	154	1907312	42.861 ng	98
47) 2-Chloronaphthalene	9.35	162	1486791	42.654 ng	98
48) 2-Nitroaniline	9.43	65	558955	46.458 ng	98
49) Acenaphthylene	9.76	152	2386877	43.605 ng	99
50) Dimethylphthalate	9.62	163	1974700	50.882 ng	99
51) 2,6-Dinitrotoluene	9.68	165	393045	47.249 ng	88
52) Acenaphthene	9.93	154	1572983	46.095 ng	98
53) 3-Nitroaniline	9.85	138	278616	26.530 ng	96
54) 2,4-Dinitrophenol	9.95	184	307799	85.012 ng	94
55) Dibenzofuran	10.10	168	2108477	43.095 ng	98
56) 4-Nitrophenol	10.00	139	731419	88.285 ng	91
57) 2,4-Dinitrotoluene	10.09	165	531558	50.726 ng	96
58) Fluorene	10.45	166	1592097	44.005 ng	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	451441	47.042 ng	99
60) Diethylphthalate	10.32	149	1772903	45.010 ng	99
61) 4-Chlorophenyl-phenylether	10.44	204	763753	43.168 ng	100
62) 4-Nitroaniline	10.46	138	409612	40.674 ng	98
63) Azobenzene	10.60	77	1702388	42.919 ng	94
65) 4,6-Dinitro-2-methylphenol	10.49	198	222153	51.064 ng	98
66) n-Nitrosodiphenylamine	10.56	169	1474321	43.287 ng	97
67) 4-Bromophenyl-phenylether	10.93	248	499662	42.288 ng	94
68) Hexachlorobenzene	11.00	284	534276	44.180 ng	96
69) Atrazine	11.09	200	437722	46.878 ng	99
70) Pentachlorophenol	11.19	266	604728	85.282 ng	97
71) Phenanthrene	11.41	178	2408422	44.769 ng	99
72) Anthracene	11.46	178	2451202	44.831 ng	100
73) Carbazole	11.62	167	2273058	42.001 ng	99
74) Di-n-butylphthalate	11.95	149	2707648	46.770 ng	99
75) Fluoranthene	12.60	202	2559091	43.955 ng	99
77) Benzidine	12.72	184	1359232	50.592 ng	98
78) Pyrene	12.83	202	2551759	48.977 ng	100
80) Butylbenzylphthalate	13.45	149	1139379	54.070 ng	98
81) Benzo(a)anthracene	14.02	228	1818544	44.051 ng	99
82) 3,3'-Dichlorobenzidine	13.98	252	626657	38.499 ng	98
83) Chrysene	14.06	228	1822663	42.780 ng	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	1396576	55.596 ng	99
85) Di-n-octyl phthalate	14.63	149	2289516	51.824 ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	2130525	53.096 ng	98
88) Benzo(b)fluoranthene	15.07	252	1804557	42.066 ng	98
89) Benzo(k)fluoranthene	15.10	252	1663120	40.715 ng	99
90) Benzo(a)pyrene	15.44	252	1617866	41.499 ng	99
91) Dibenzo(a,h)anthracene	17.00	278	1743508	51.130 ng	98
92) Benzo(g,h,i)perylene	17.43	276	1830244	53.427 ng	97

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

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Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Manual Integrations APPROVED
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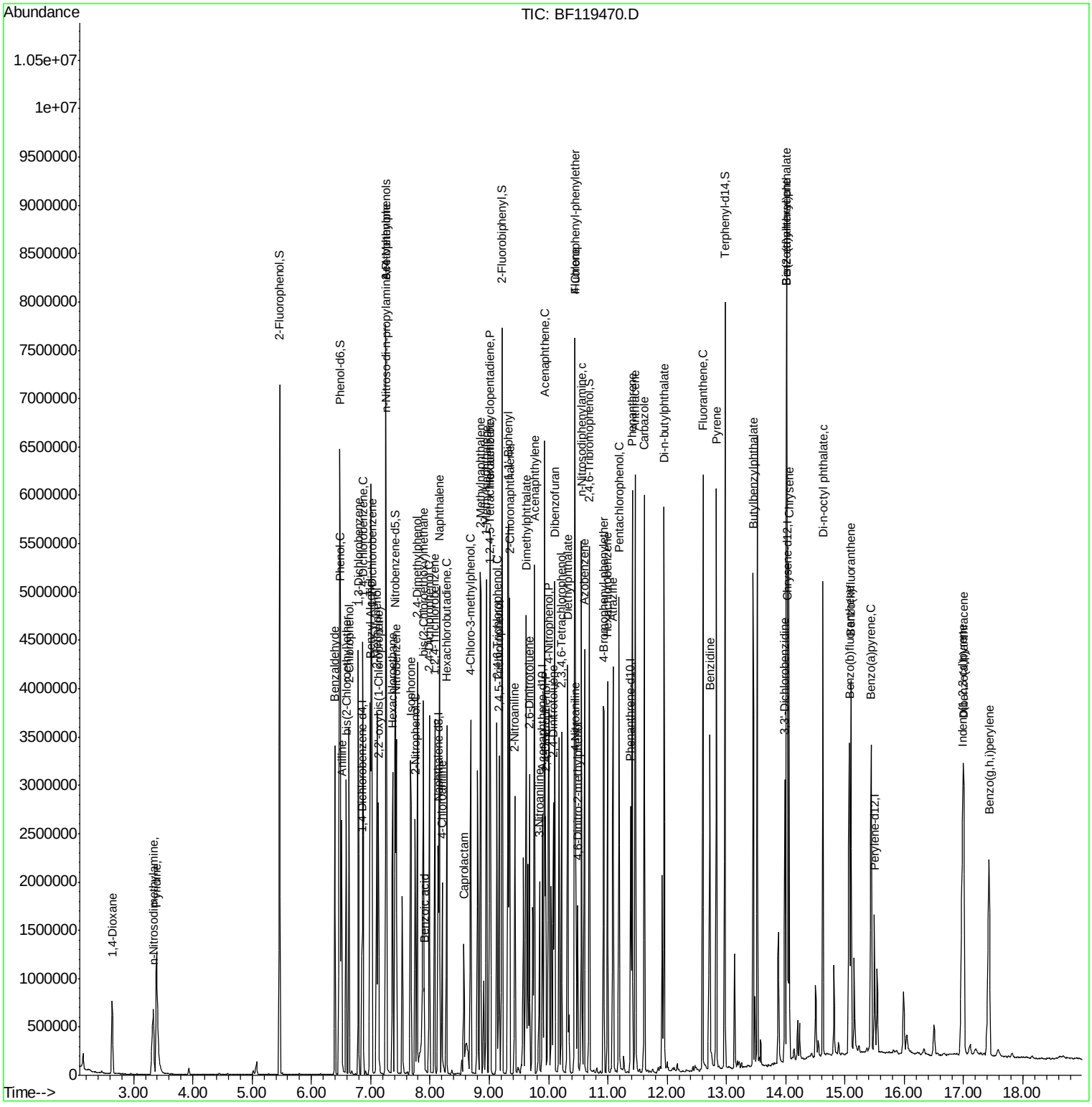
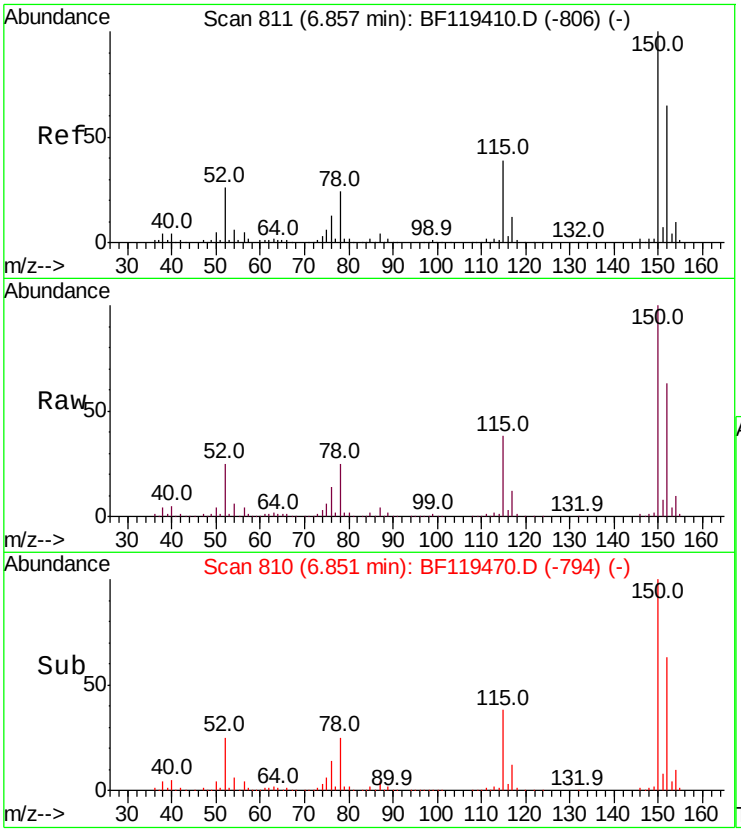
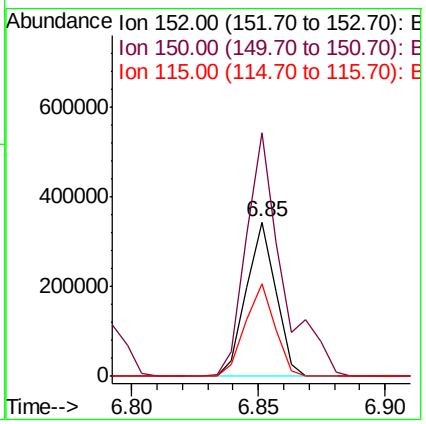




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:152 Resp: 280370

Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.9	185.9
115	60.2	47.8	71.6



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

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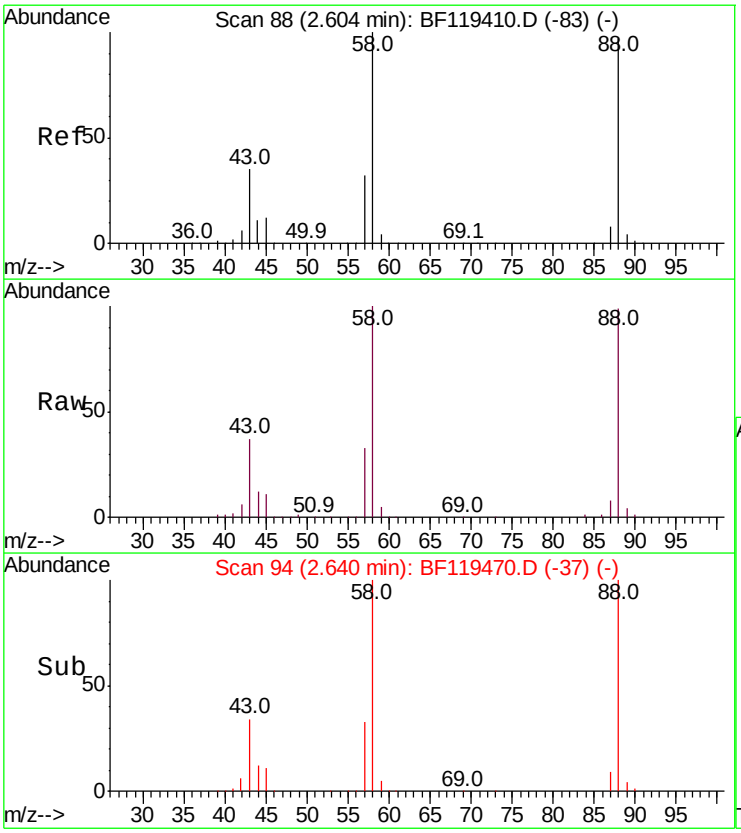
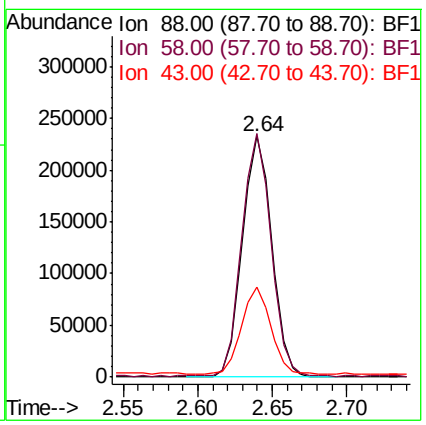
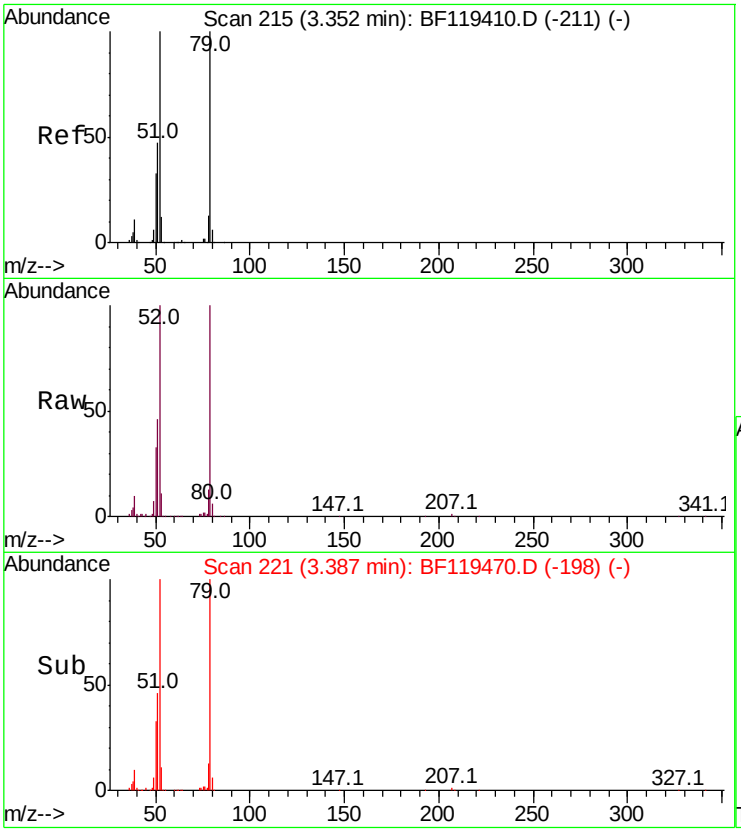


#2
1,4-Dioxane
Concen: 36.535 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.04 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 88 Resp: 317798

Ion	Ratio	Lower	Upper
88	100		
58	100.1	79.4	119.2
43	36.2	28.4	42.6

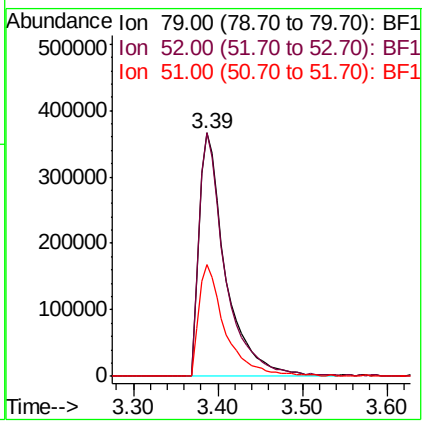




#3
Pyridine
Concen: 33.269 ng
RT: 3.39 min Scan# 221
Delta R.T. 0.04 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 79 Resp: 797261

Ion	Ratio	Lower	Upper
79	100		
52	99.8	80.0	120.0
51	45.7	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
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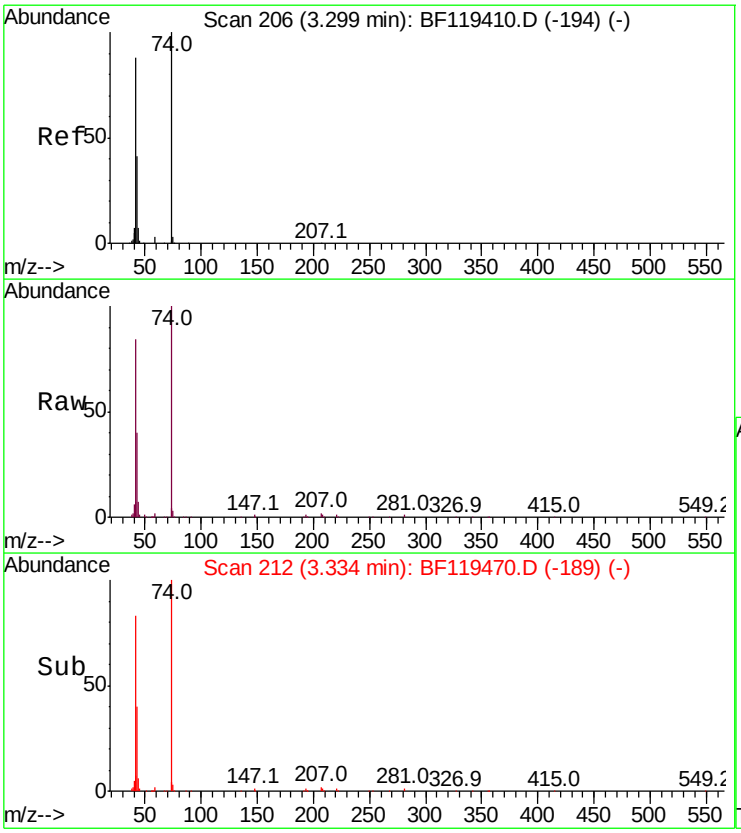
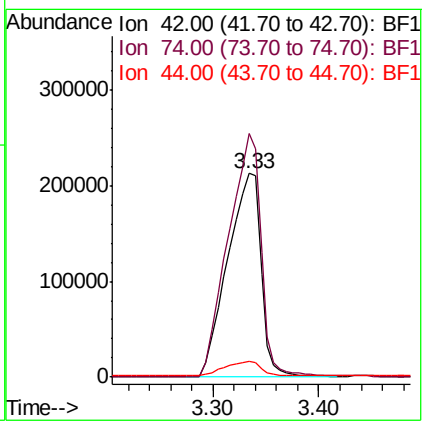
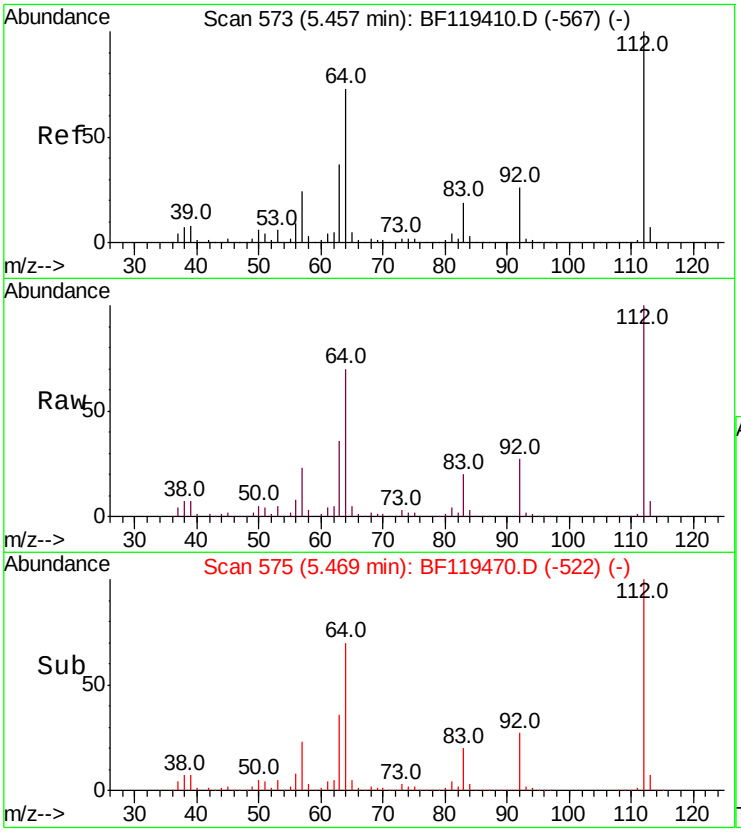


#4
n-Nitrosodimethylamine
Concen: 40.281 ng
RT: 3.33 min Scan# 212
Delta R.T. 0.04 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 42 Resp: 470737

Ion	Ratio	Lower	Upper
42	100		
74	119.7	91.3	136.9
44	7.8	7.1	10.7

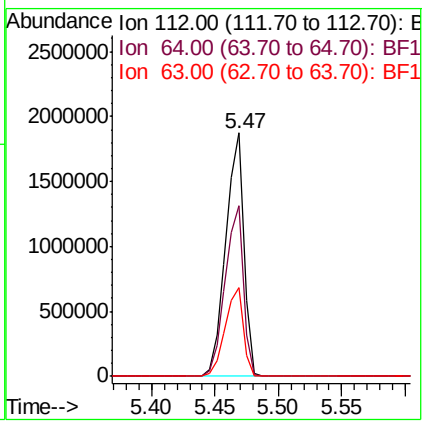




#5
2-Fluorophenol
Concen: 105.579 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:112 Resp: 1859480

Ion	Ratio	Lower	Upper
112	100		
64	70.3	58.1	87.1
63	36.5	29.7	44.5



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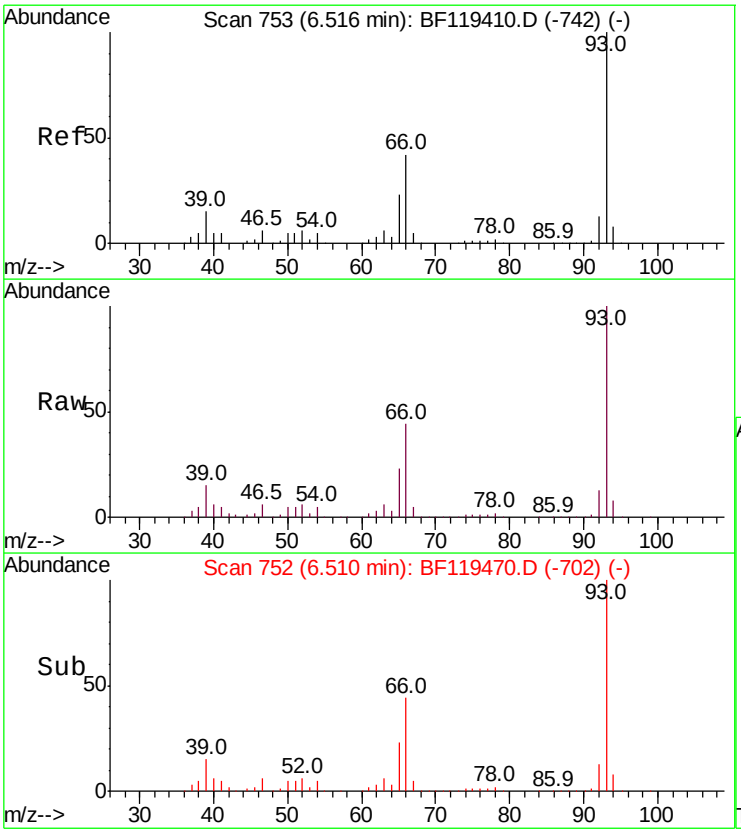
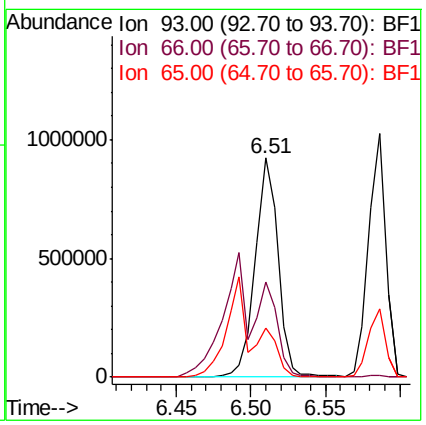
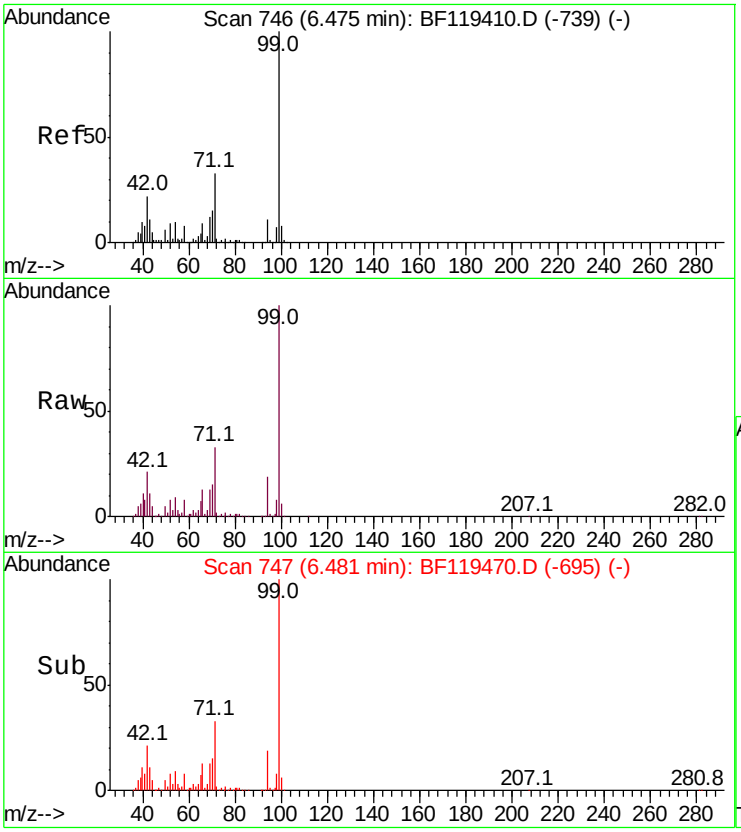


#6
Aniline
Concen: 31.396 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 93 Resp: 974877

Ion	Ratio	Lower	Upper
93	100		
66	43.6	34.2	51.4
65	22.6	18.2	27.4

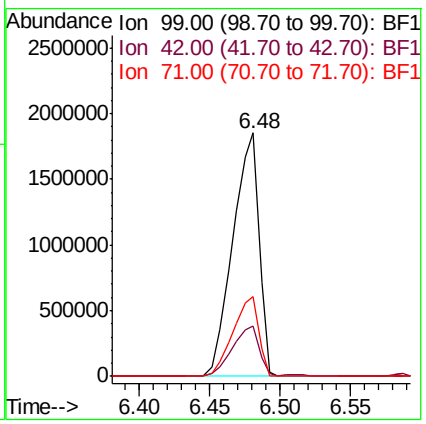




#7
Phenol-d6
Concen: 106.350 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 99 Resp: 2392703

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.8	26.6
71	32.7	26.0	39.0



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ClientSampleId :
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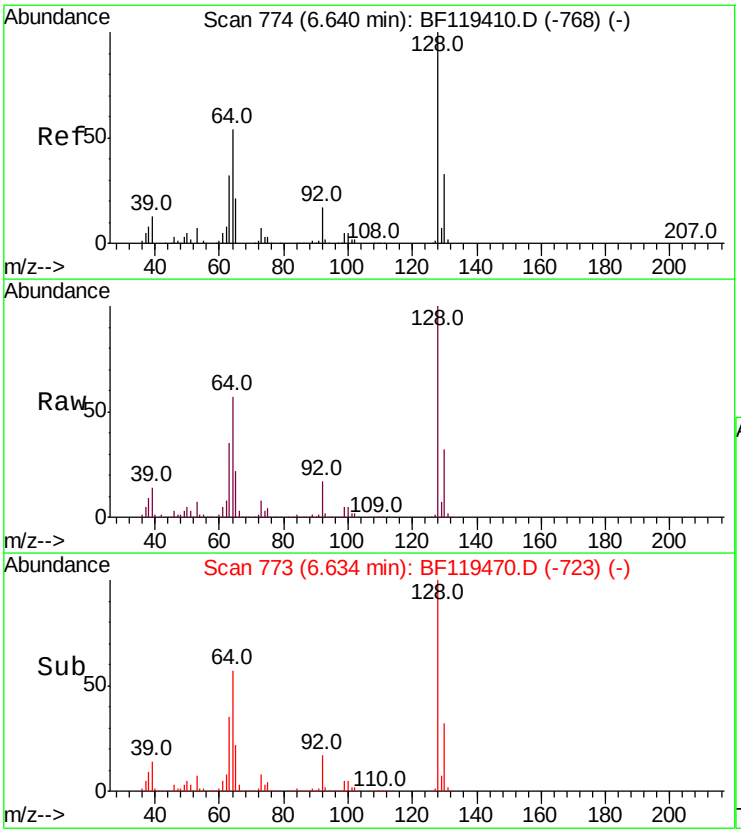
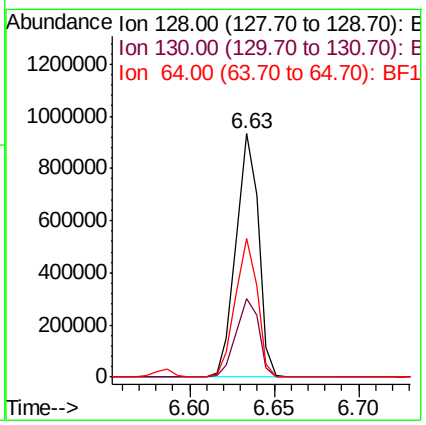
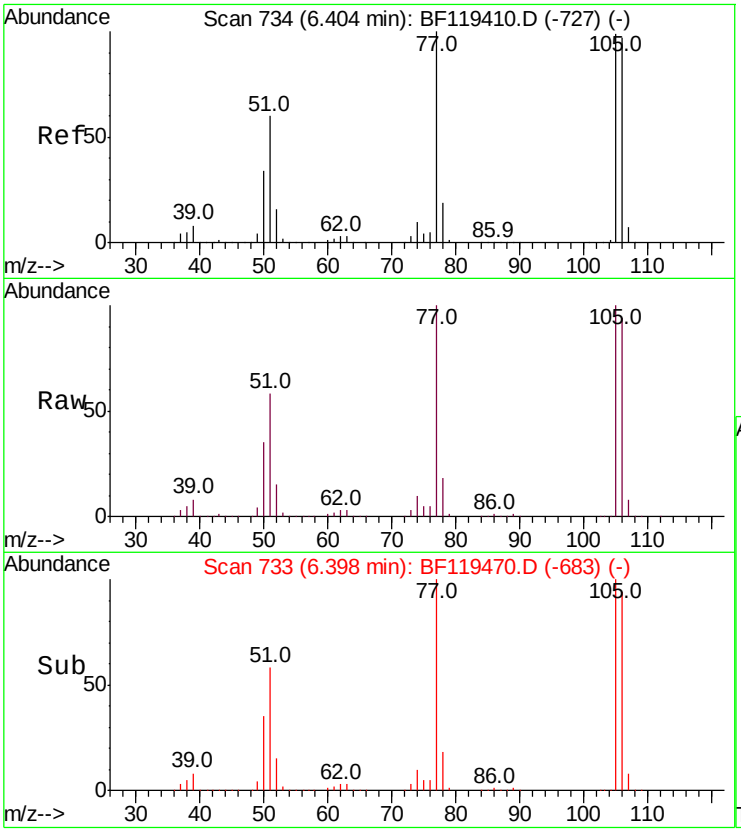


#8
2-Chlorophenol
Concen: 46.768 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:128 Resp: 865115

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.0	53.0
64	57.2	35.1	75.1

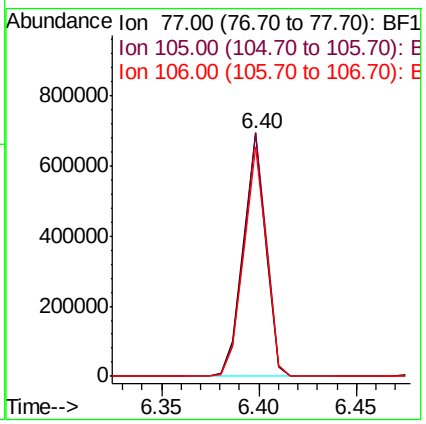




#9
Benzaldehyde
Concen: 38.864 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 77 Resp: 554680

Ion	Ratio	Lower	Upper
77	100		
105	99.8	78.6	118.6
106	94.4	76.5	116.5



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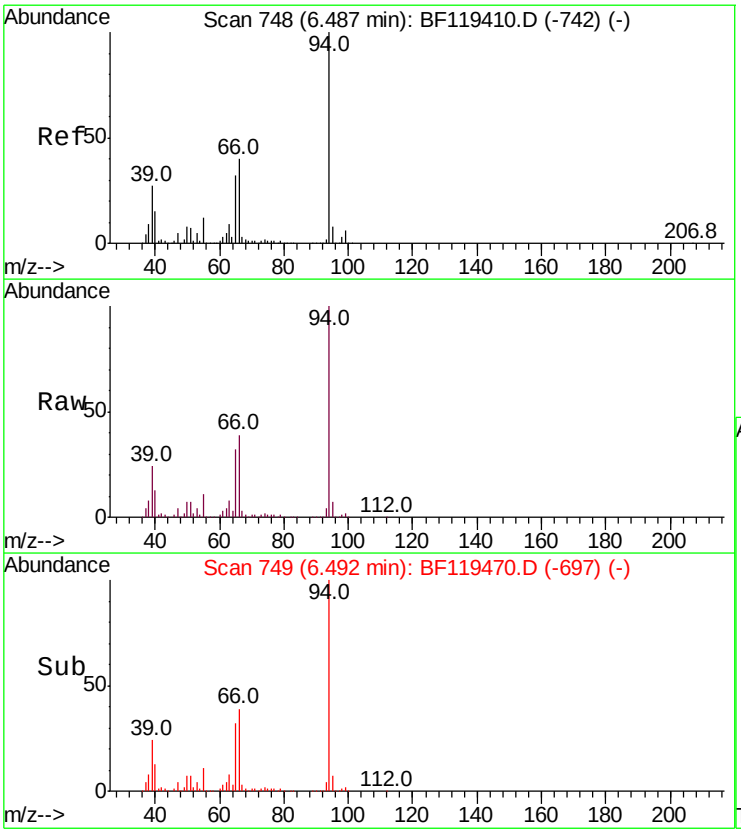
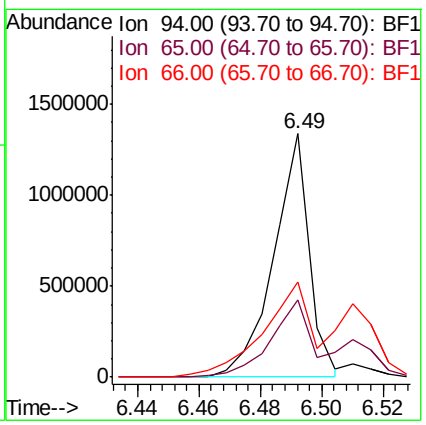
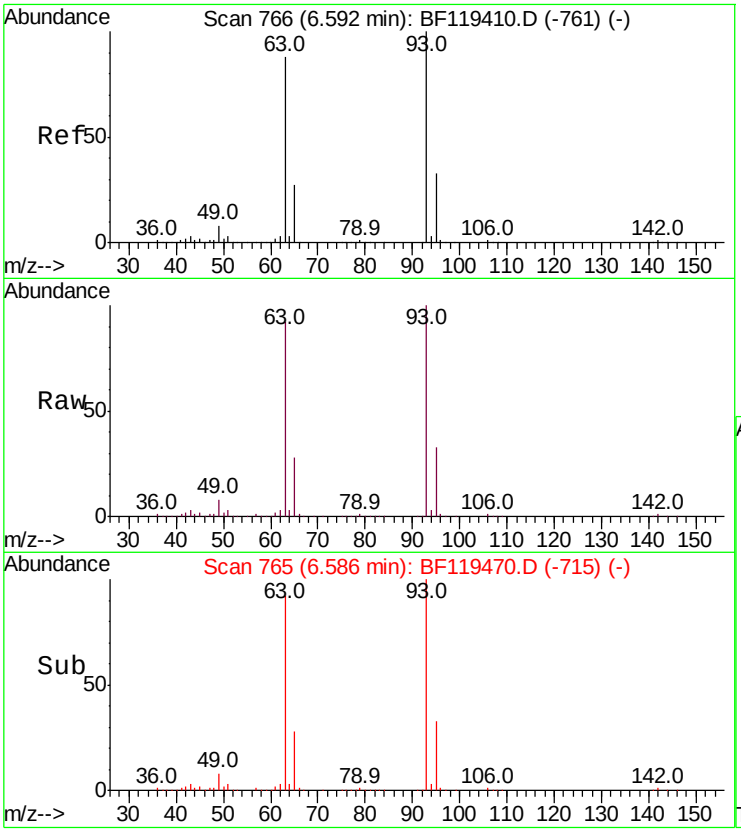


#10
Phenol
Concen: 44.578 ng m
RT: 6.49 min Scan# 749
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 94 Resp: 1070157

Ion	Ratio	Lower	Upper
94	100		
65	31.6	12.0	52.0
66	39.2	20.6	60.6

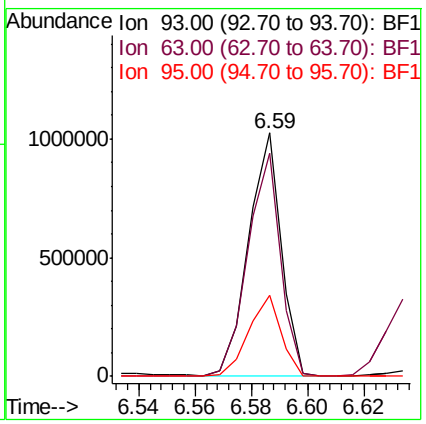




#11
bis(2-Chloroethyl)ether
Concen: 42.934 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 93 Resp: 824331

Ion	Ratio	Lower	Upper
93	100		
63	91.7	68.4	108.4
95	33.3	13.4	53.4



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ClientSampleId :
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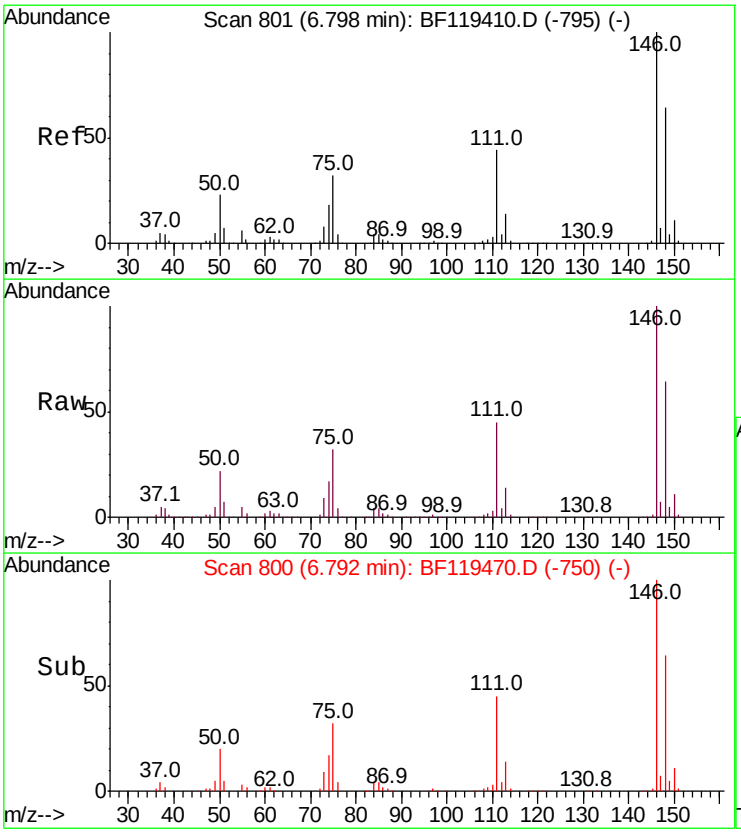
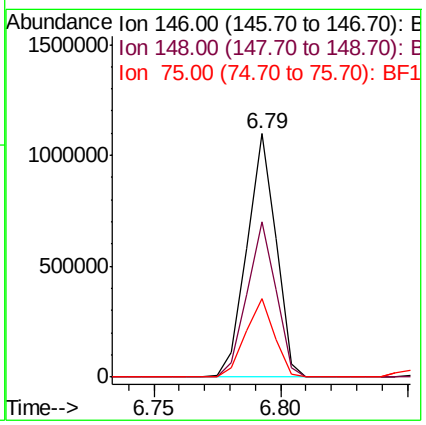
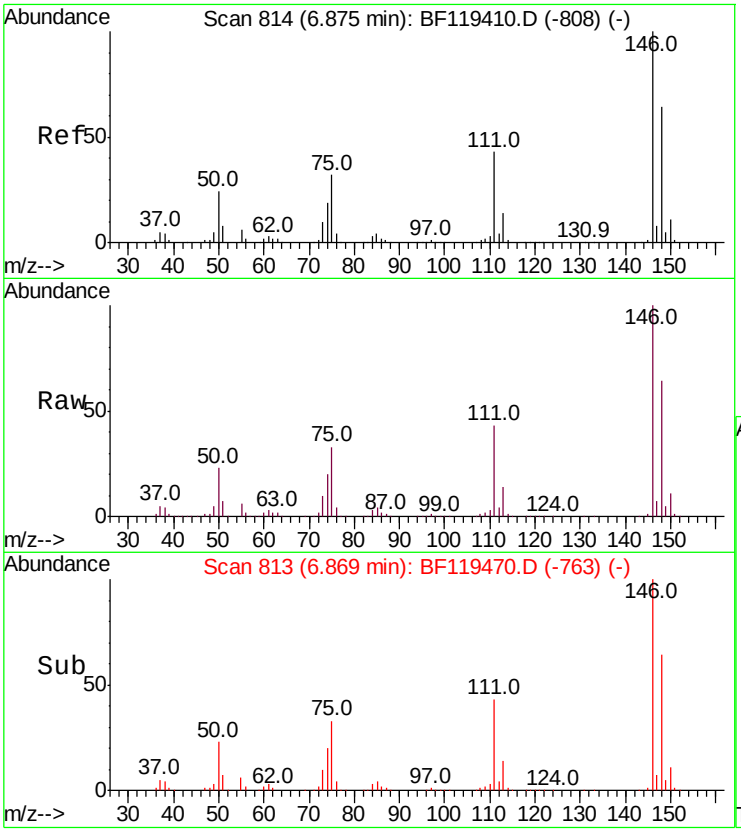


#12
1,3-Dichlorobenzene
Concen: 43.735 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:146 Resp: 875596

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	32.5	25.8	38.8

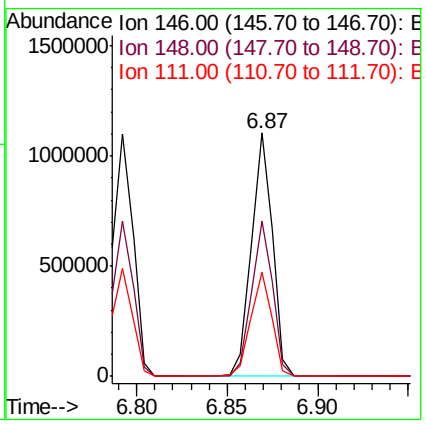




#13
1,4-Dichlorobenzene
Concen: 44.221 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:146 Resp: 885532

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.9	76.3
111	42.9	34.6	52.0



Instrument :
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ClientSampleId :
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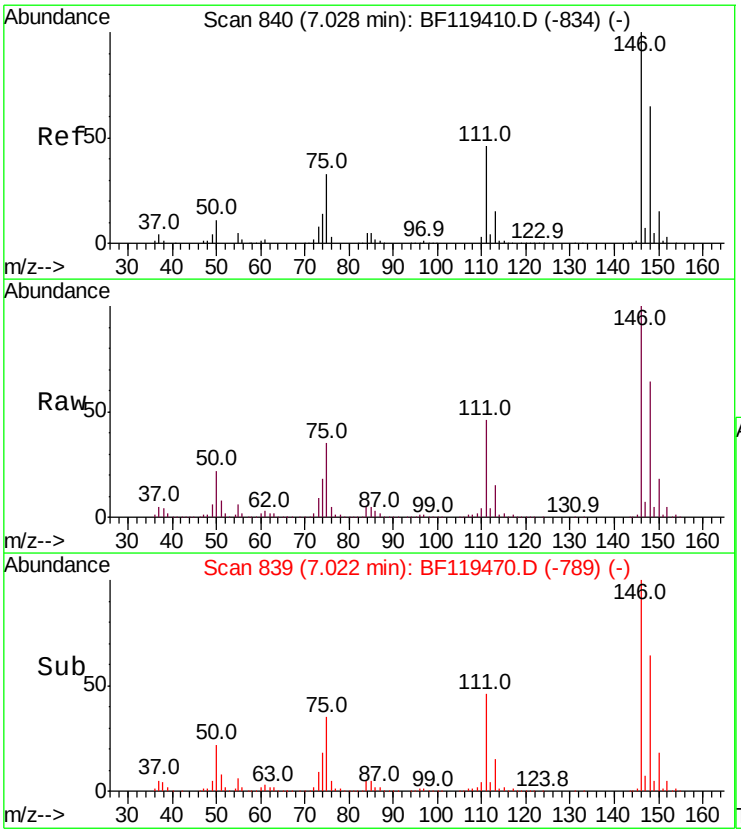
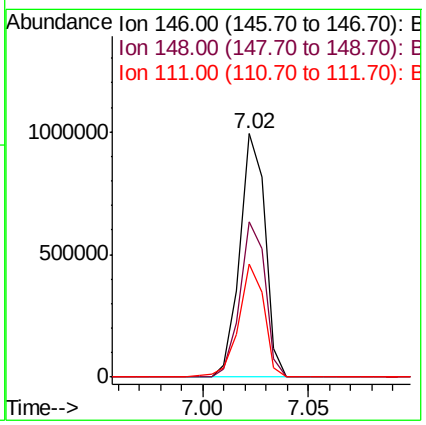
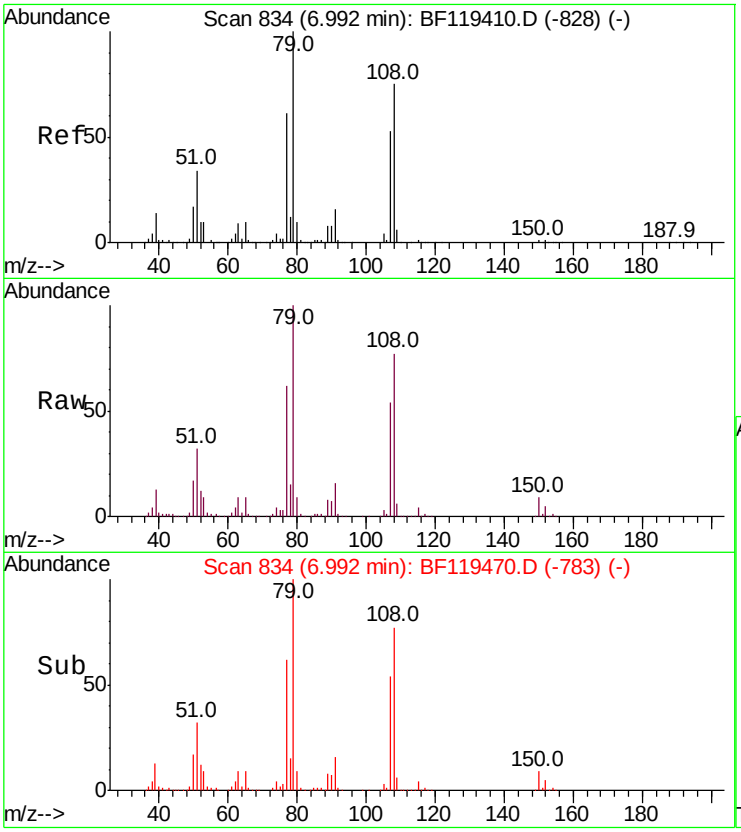


#14
1,2-Dichlorobenzene
Concen: 43.947 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:146 Resp: 822587

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.7	77.5
111	46.4	36.4	54.6





#15
Benzyl Alcohol
Concen: 44.595 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 79 Resp: 754706

Ion	Ratio	Lower	Upper
79	100		
108	77.3	60.4	90.6
77	62.0	49.0	73.4

Instrument :
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ClientSampleId :
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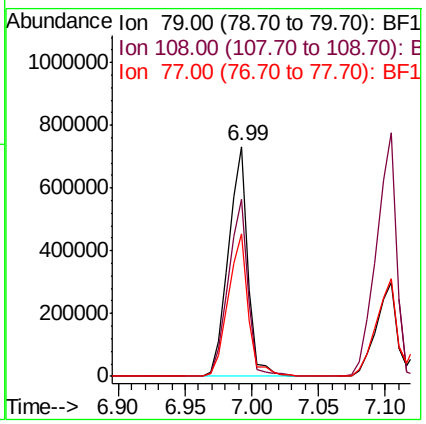
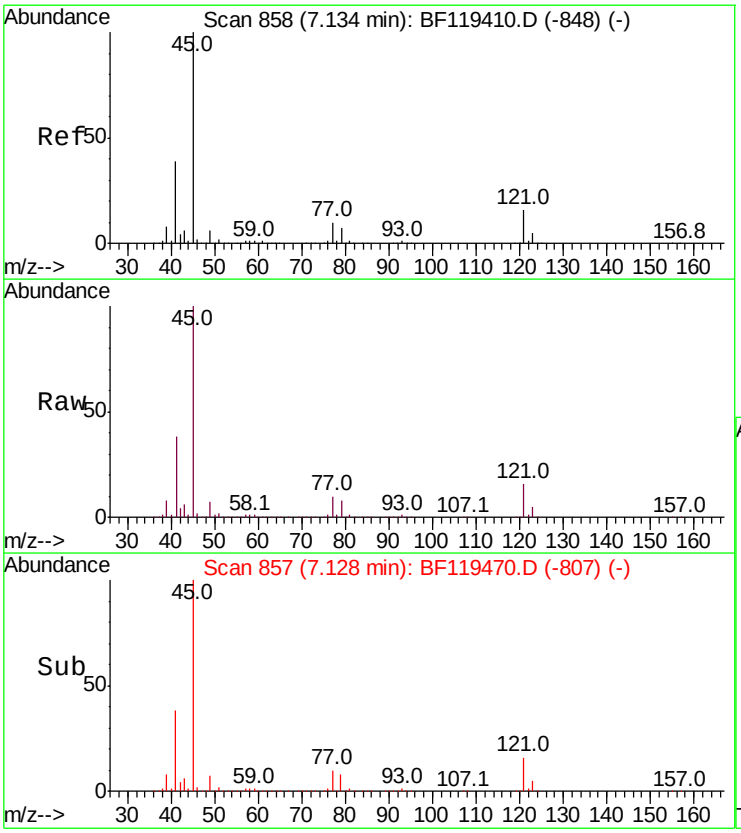
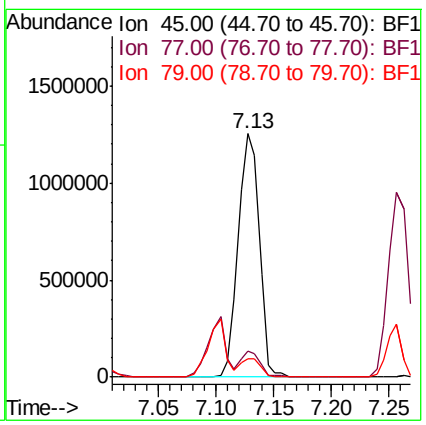


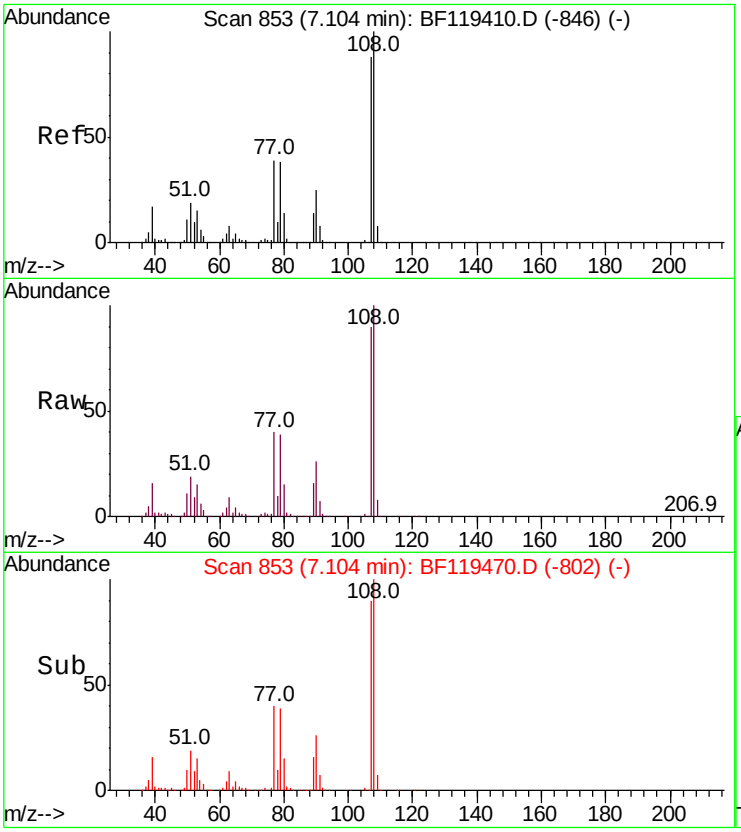


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.956 ng
RT: 7.13 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 45 Resp: 1586146

Ion	Ratio	Lower	Upper
45	100		
77	10.4	0.0	30.1
79	7.8	0.0	27.4

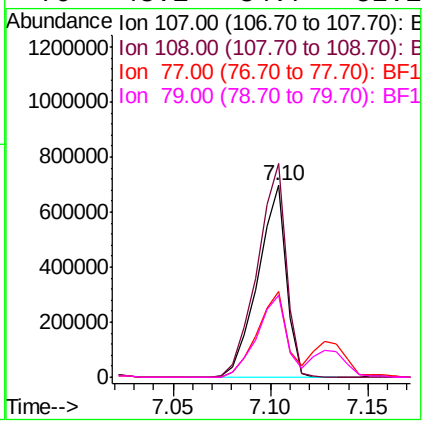




#17
2-Methylphenol
Concen: 41.171 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:107 Resp: 697784

Ion	Ratio	Lower	Upper
107	100		
108	111.5	90.7	136.1
77	44.9	35.6	53.4
79	43.1	34.7	52.1



Instrument :
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ClientSampleId :
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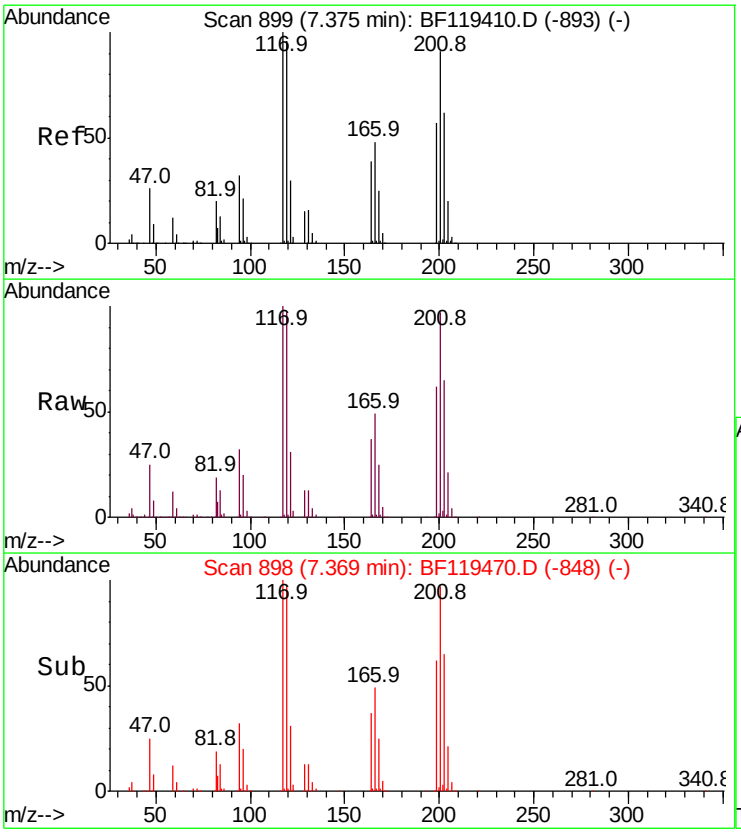
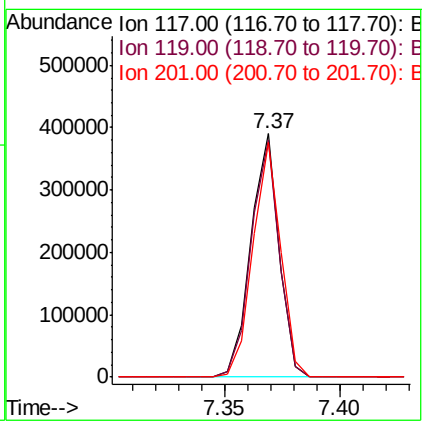
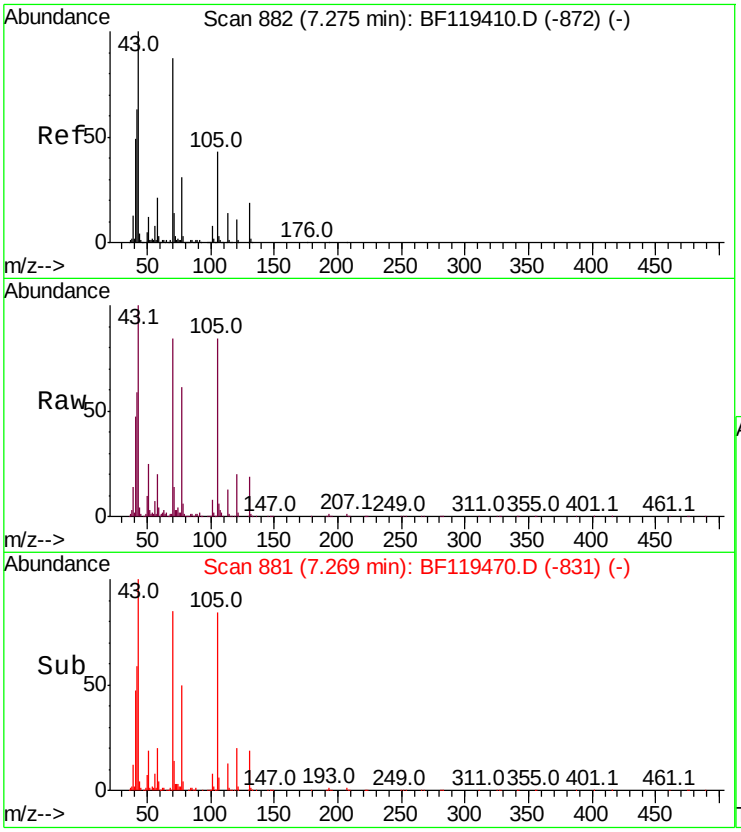


#18
Hexachloroethane
Concen: 45.259 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:117 Resp: 332140

Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.8	115.2
201	96.6	72.5	108.7

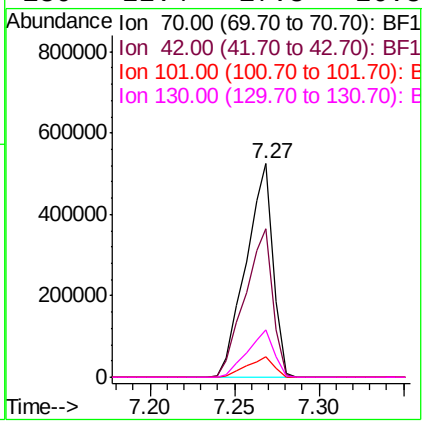




#19
n-Nitroso-di-n-propylamine
Concen: 43.269 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 70 Resp: 586763

Ion	Ratio	Lower	Upper
70	100		
42	69.8	58.2	87.4
101	9.8	7.4	11.2
130	22.4	17.8	26.8



Instrument :
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ClientSampleId :
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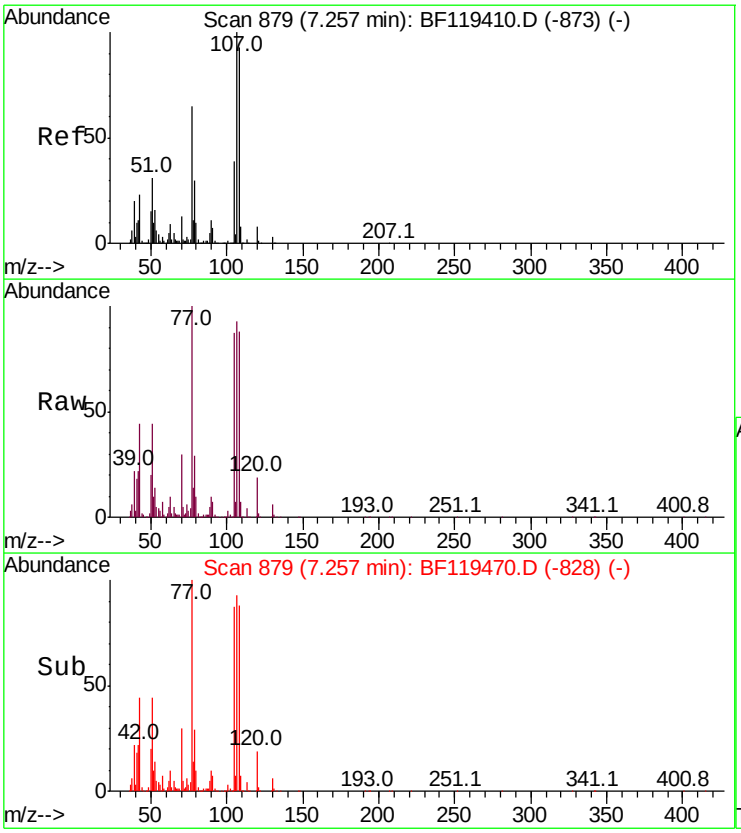
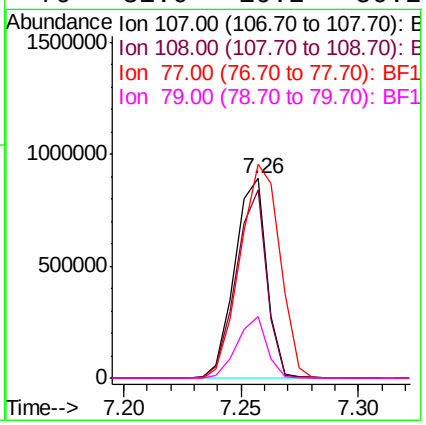
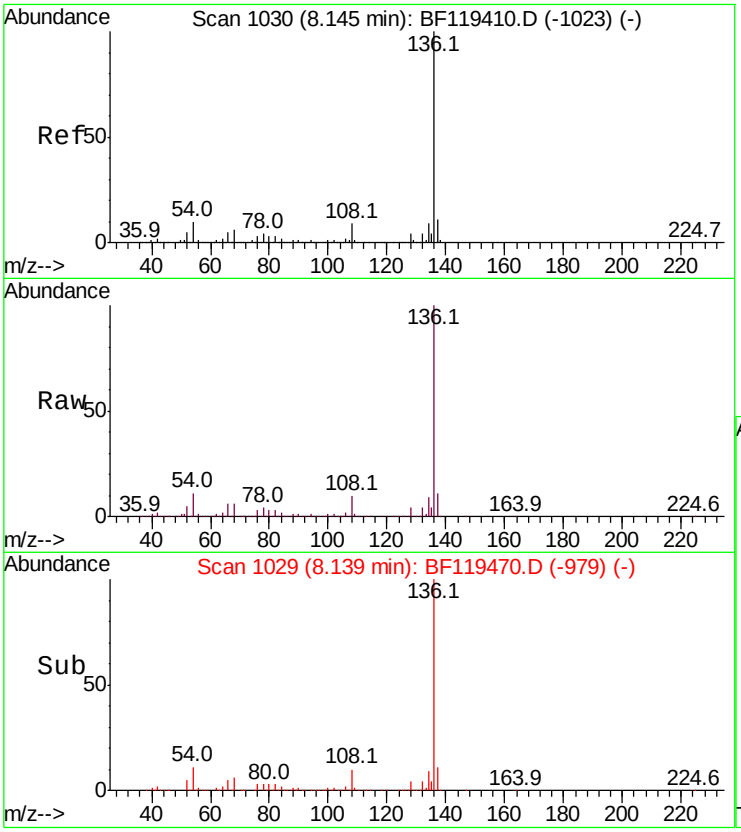


#20
3+4-Methylphenols
Concen: 40.758 ng m
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:107 Resp: 846585

Ion	Ratio	Lower	Upper
107	100		
108	94.2	72.6	112.6
77	107.2	44.7	84.7#
79	31.0	10.2	50.2

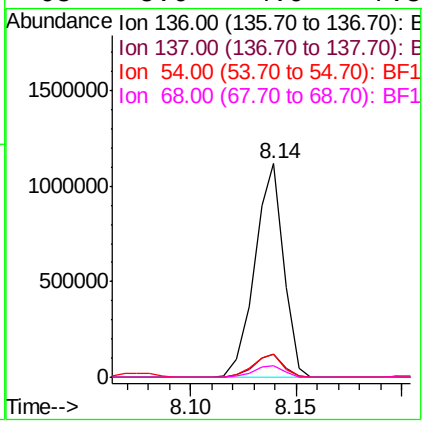




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:136 Resp: 1057972

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	10.6	8.3	12.5
68	5.6	4.9	7.3



Instrument :
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ClientSampleId :
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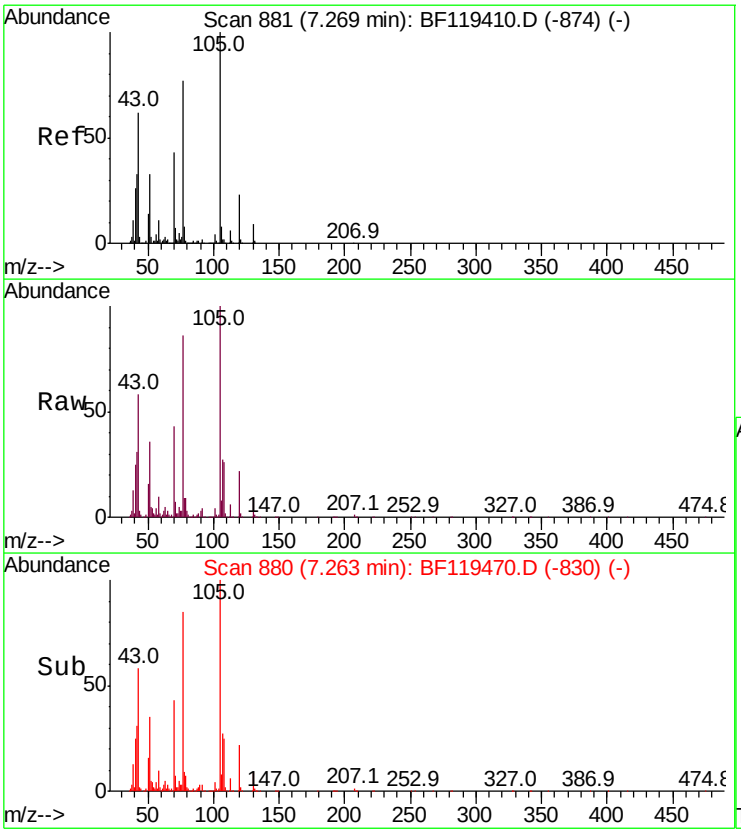
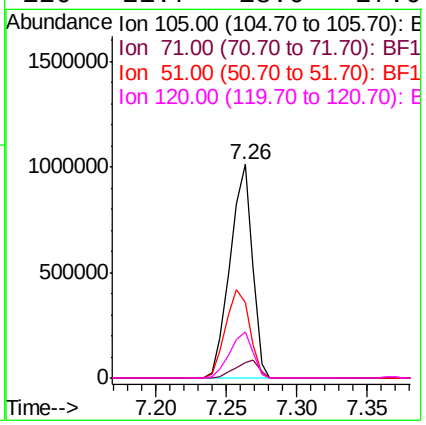
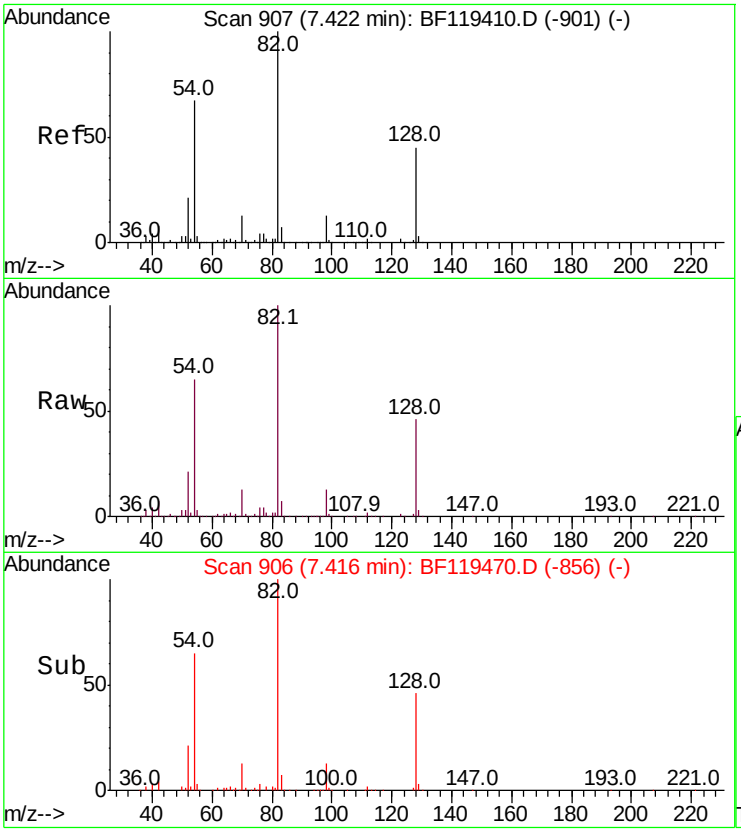


#22
Acetophenone
Concen: 43.884 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:105 Resp: 1109373

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.8	8.6
51	35.6	26.8	40.2
120	21.7	18.0	27.0

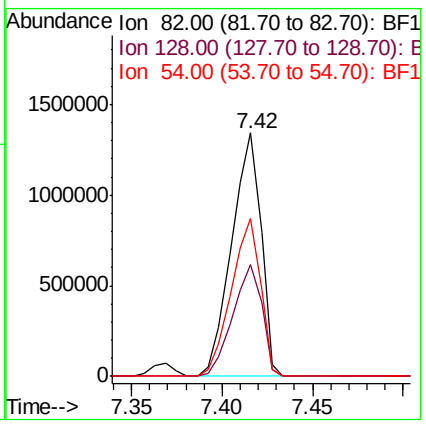




#23
Nitrobenzene-d5
Concen: 77.389 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 82 Resp: 1506509

Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.8	53.8
54	64.8	53.4	80.0



Instrument :
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ClientSampleId :
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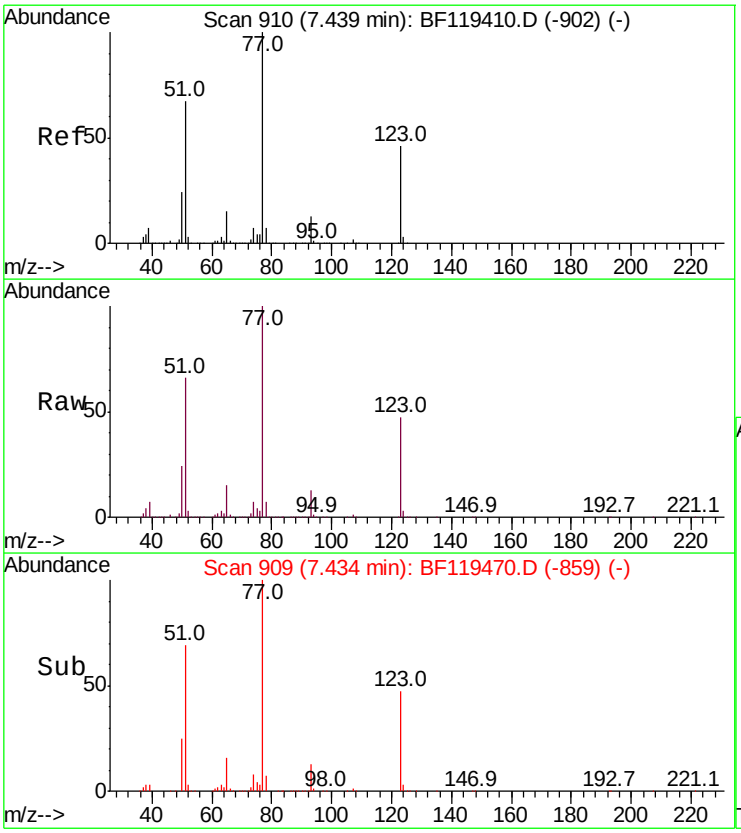
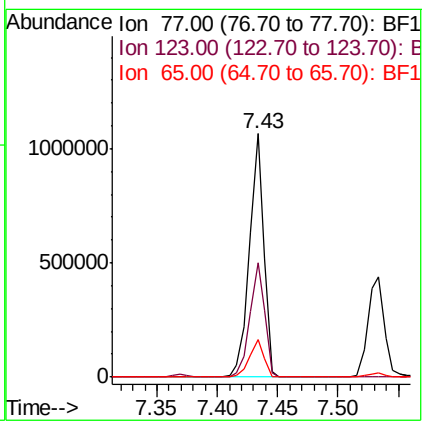
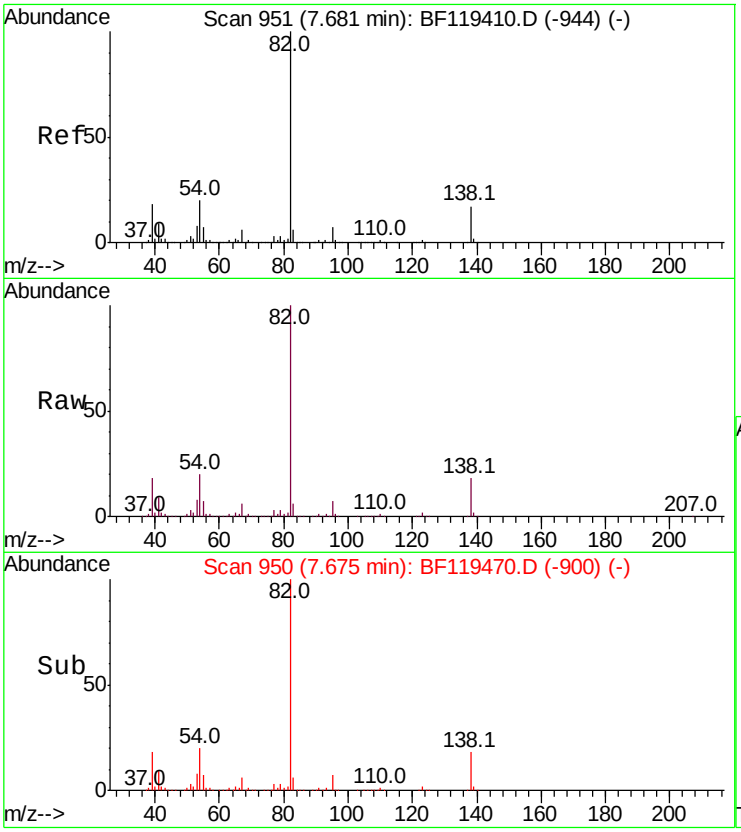


#24
Nitrobenzene
Concen: 42.861 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 77 Resp: 891672

Ion	Ratio	Lower	Upper
77	100		
123	47.0	36.9	55.3
65	15.2	12.2	18.4

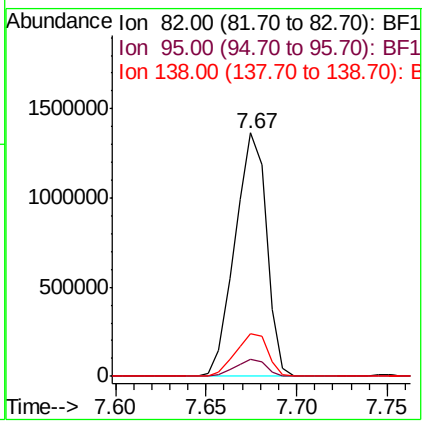




#25
Isophorone
Concen: 41.830 ng
RT: 7.67 min Scan# 950
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 82 Resp: 1651813

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	17.6	13.8	20.8



Instrument :
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ClientSampleId :
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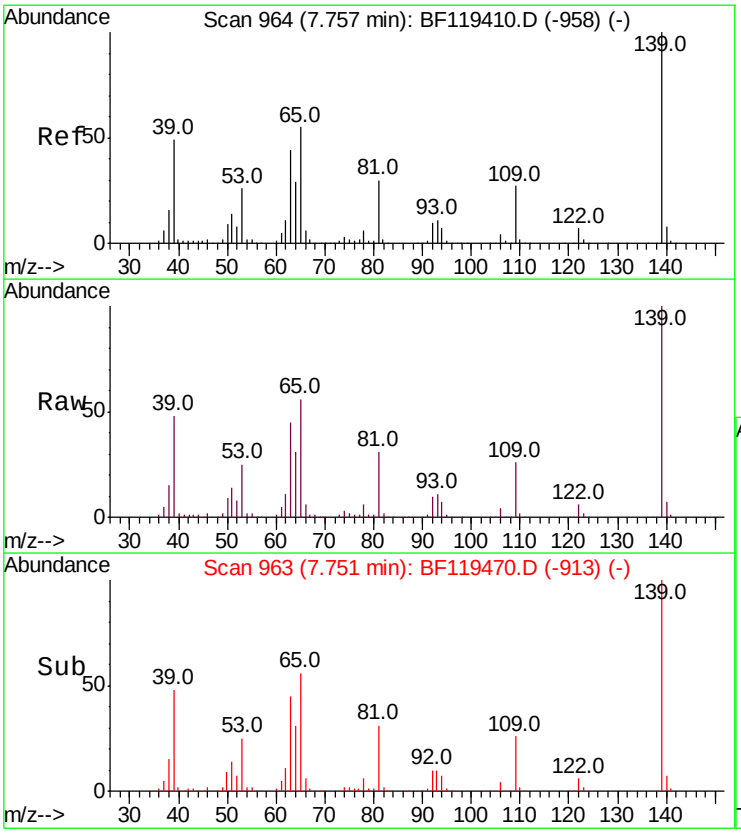
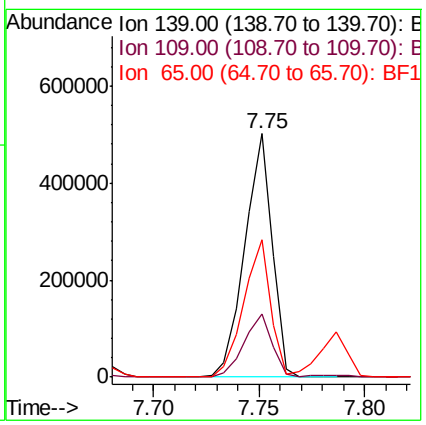
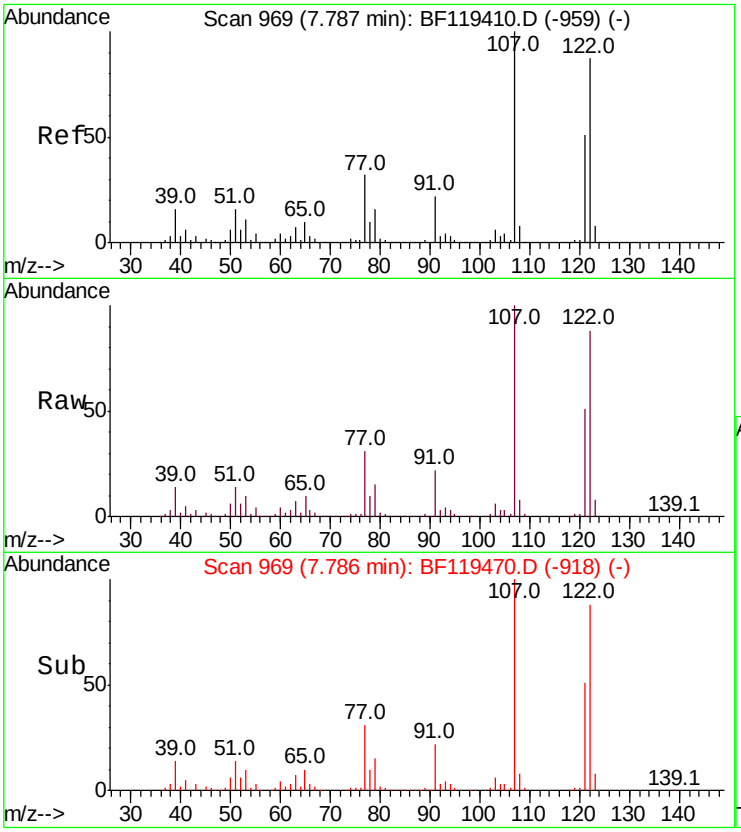


#26
2-Nitrophenol
Concen: 55.300 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:139 Resp: 452976

Ion	Ratio	Lower	Upper
139	100		
109	26.2	21.7	32.5
65	56.2	43.9	65.9

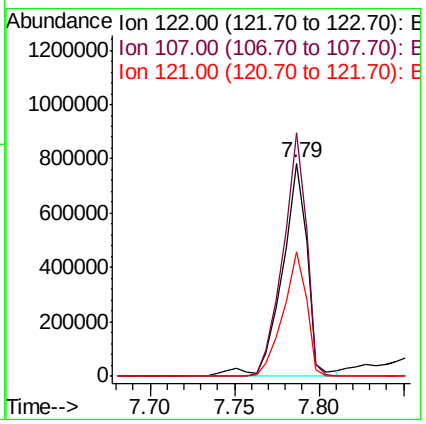




#27
2,4-Dimethylphenol
Concen: 47.097 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:122 Resp: 797703

Ion	Ratio	Lower	Upper
122	100		
107	114.3	91.8	137.6
121	58.7	46.5	69.7



Instrument :
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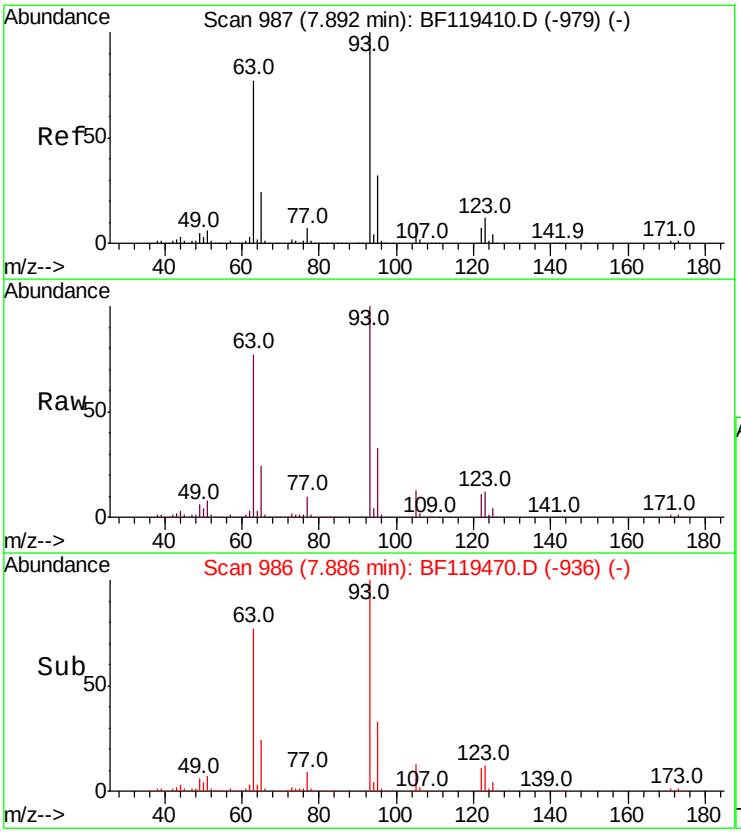
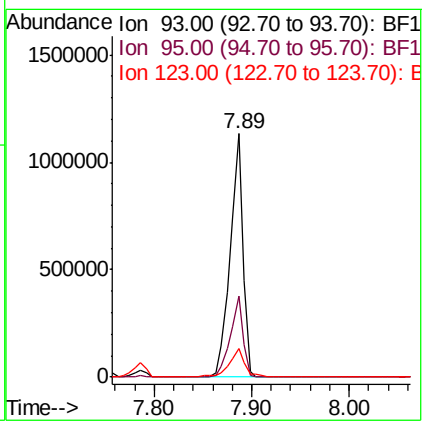
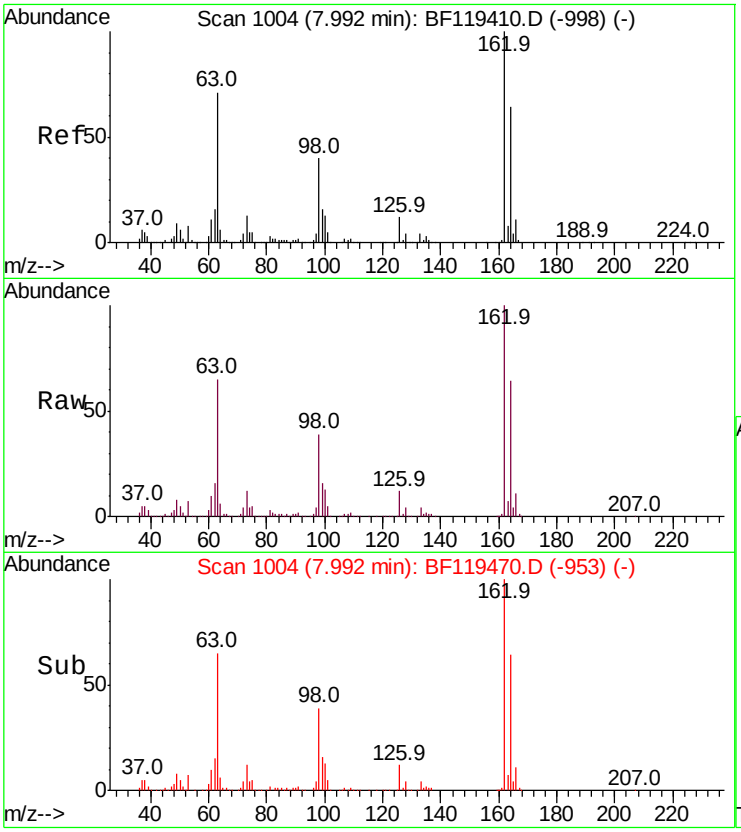


#28
bis(2-Chloroethoxy)methane
Concen: 44.157 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 93 Resp: 1031112

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.0	39.0
123	11.6	9.7	14.5

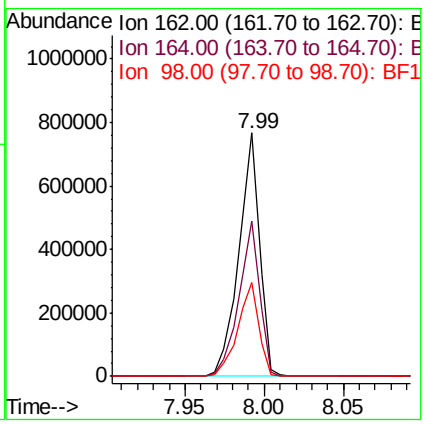




#29
2,4-Dichlorophenol
Concen: 44.649 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:162 Resp: 694869

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.6	83.6
98	38.8	20.4	60.4



Instrument :
BNA_F
ClientSampleId :
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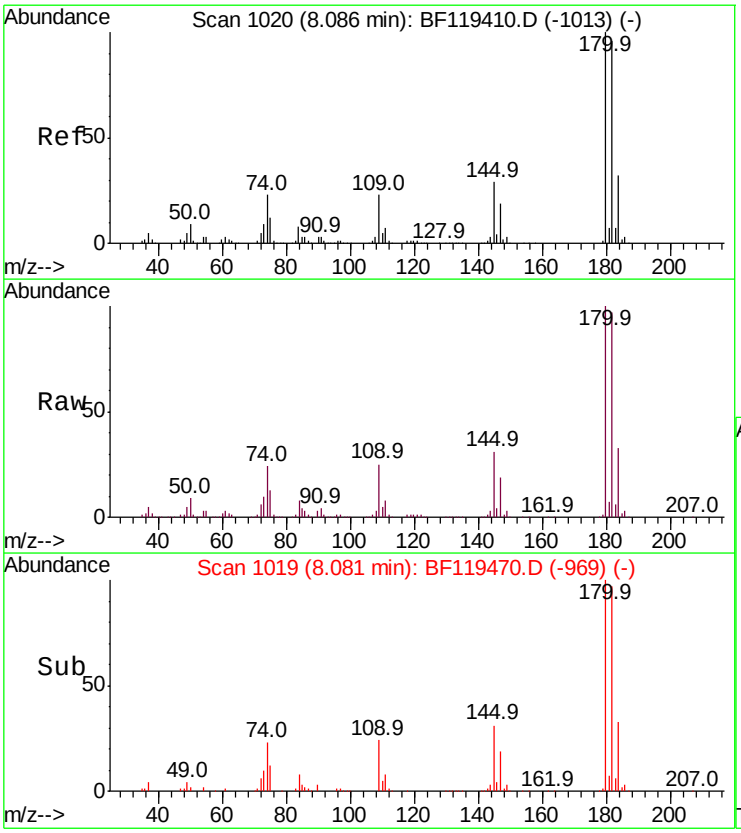
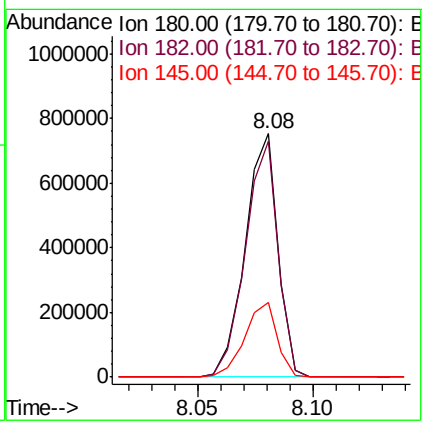
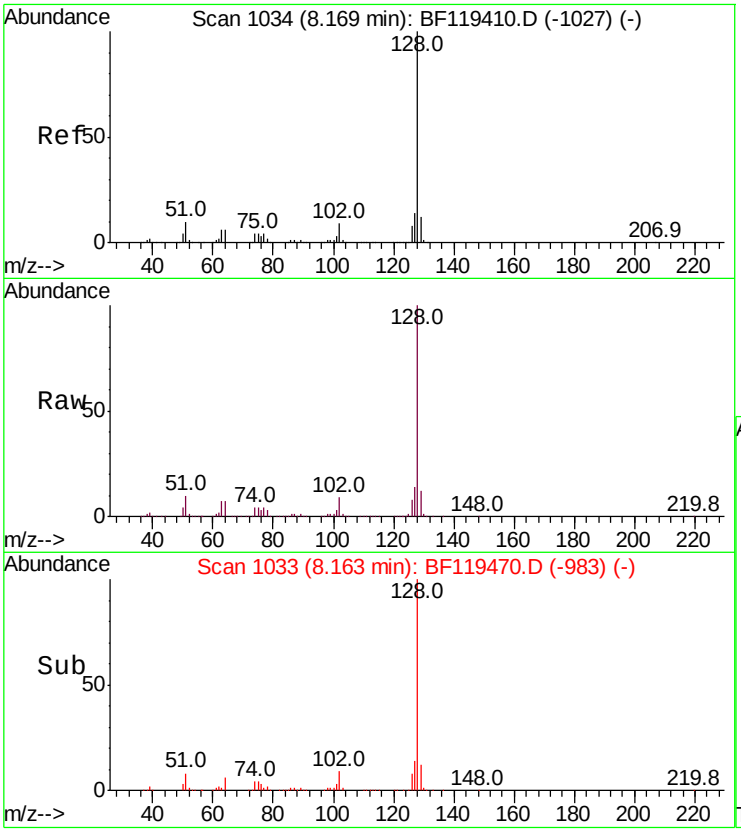


#30
1,2,4-Trichlorobenzene
Concen: 43.341 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:180 Resp: 745951

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.6	115.0
145	30.6	23.2	34.8

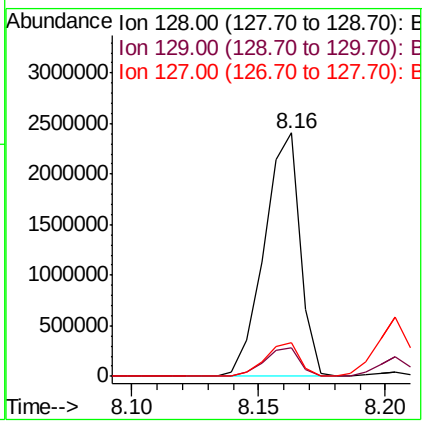




#31
Naphthalene
Concen: 43.935 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:128 Resp: 2391994

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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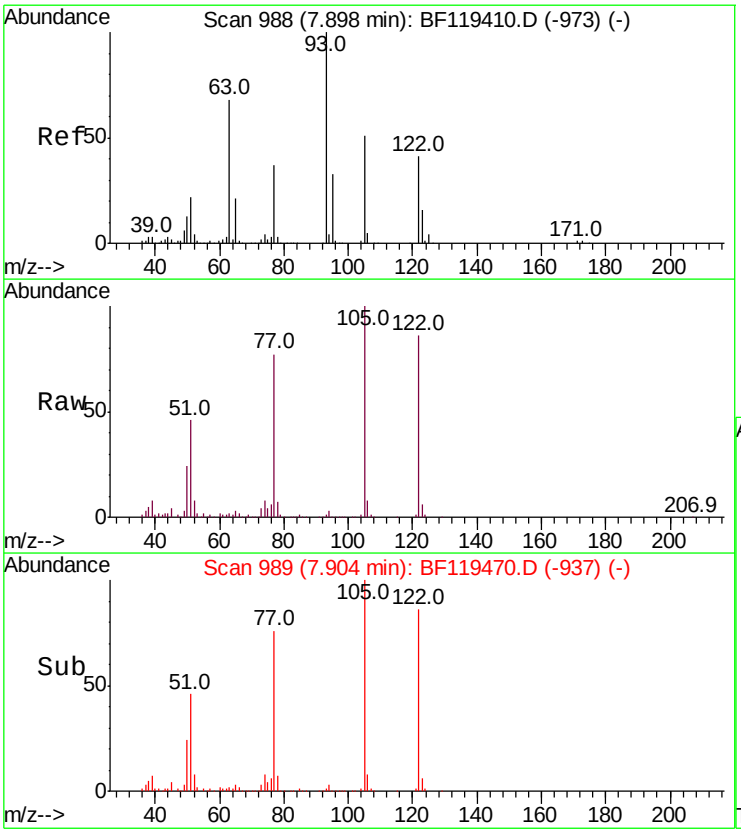
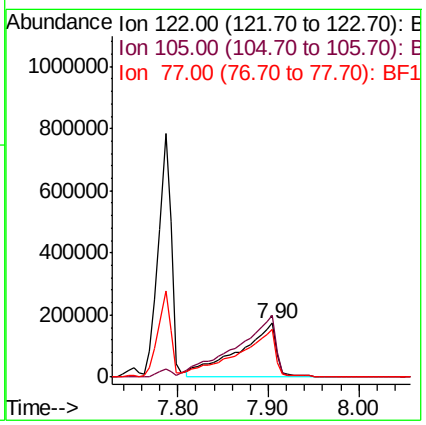
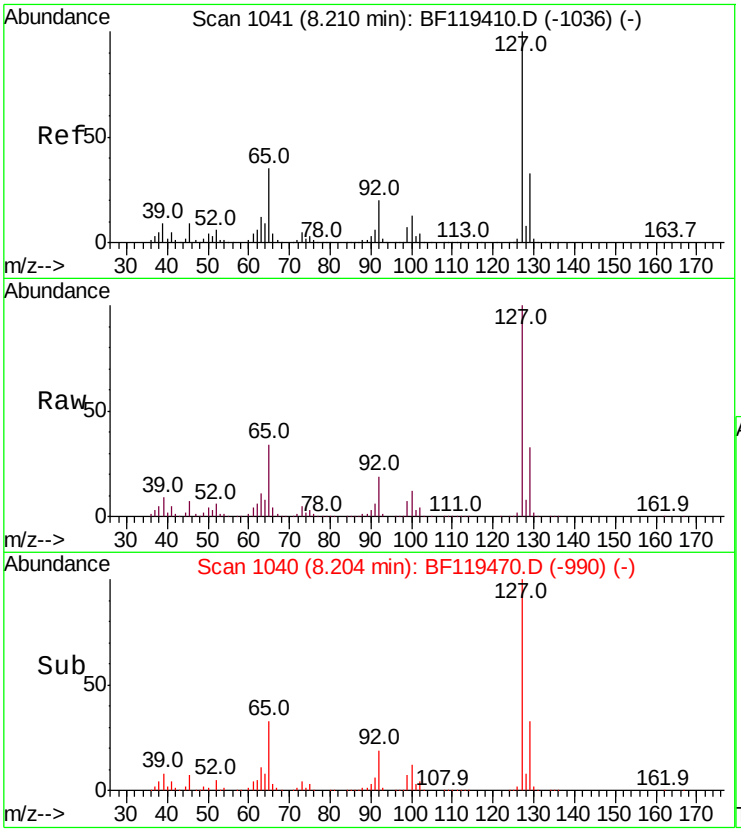


#32
Benzoic acid
Concen: 46.126 ng
RT: 7.90 min Scan# 989
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:122 Resp: 502547

Ion	Ratio	Lower	Upper
122	100		
105	116.1	102.9	142.9
77	89.1	70.1	110.1

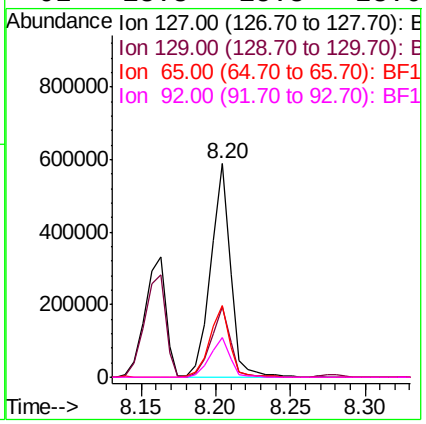




#33
4-Chloroaniline
Concen: 21.560 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:127 Resp: 537859

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	33.5	27.7	41.5
92	18.8	15.8	23.6



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ClientSampleId :
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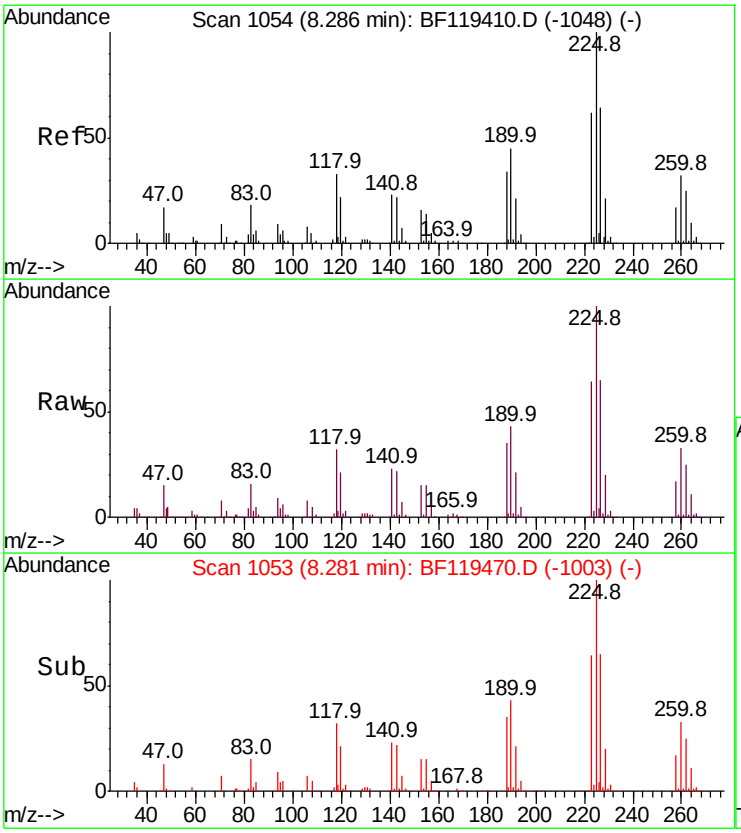
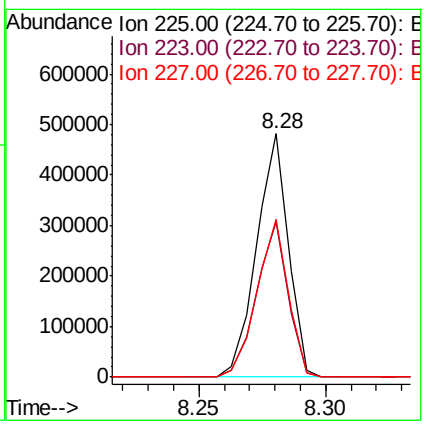
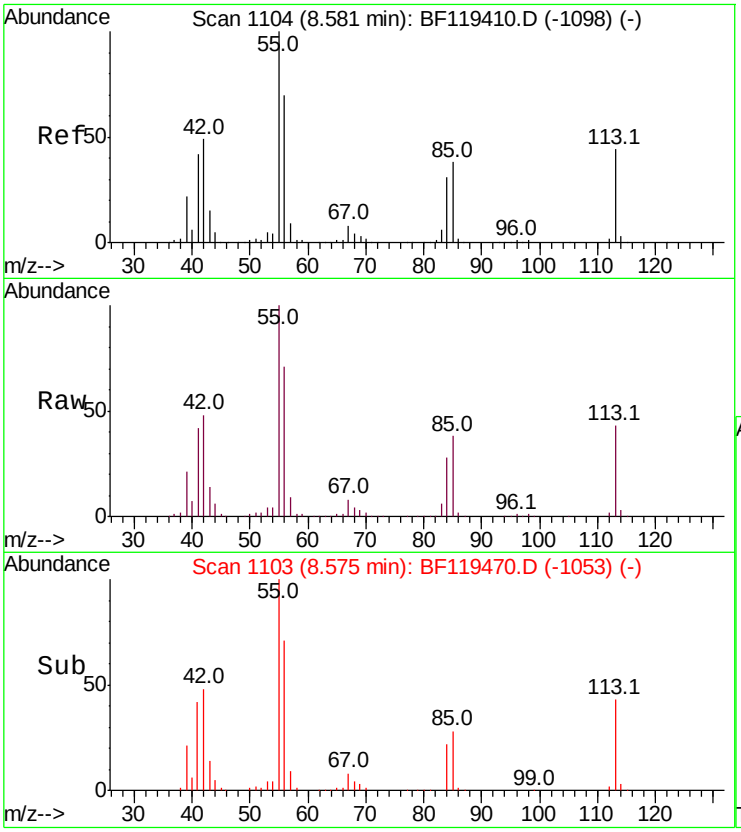


#34
Hexachlorobutadiene
Concen: 43.525 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:225 Resp: 419127

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.2	73.8
227	64.7	51.1	76.7

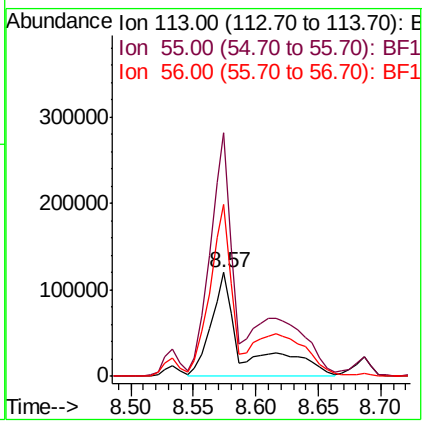




#35
Caprolactam
Concen: 43.511 ng m
RT: 8.57 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:113 Resp: 221618

Ion	Ratio	Lower	Upper
113	100		
55	234.2	208.4	248.4
56	166.0	138.9	178.9



Instrument :
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ClientSampleId :
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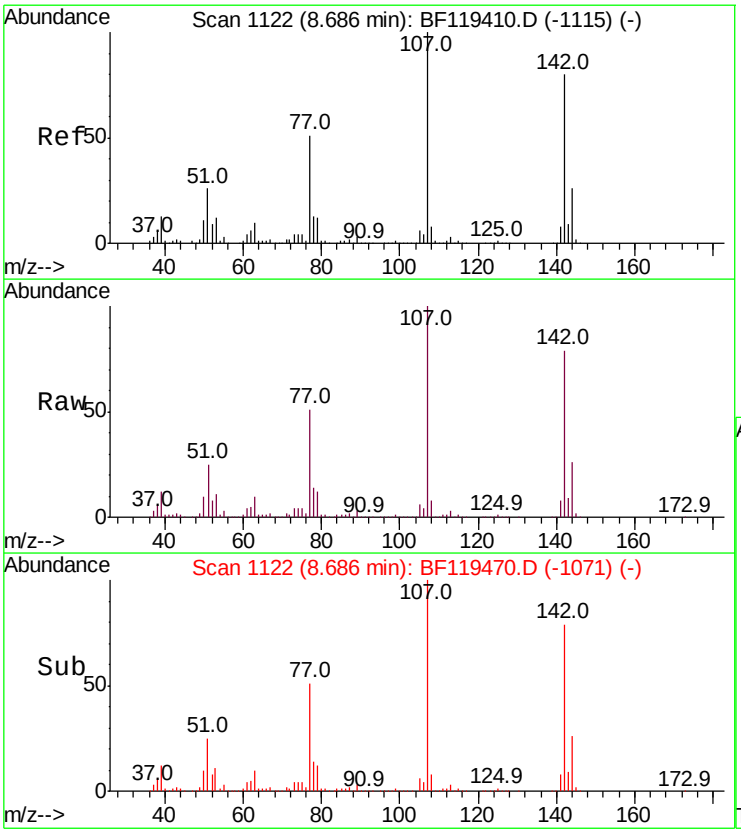
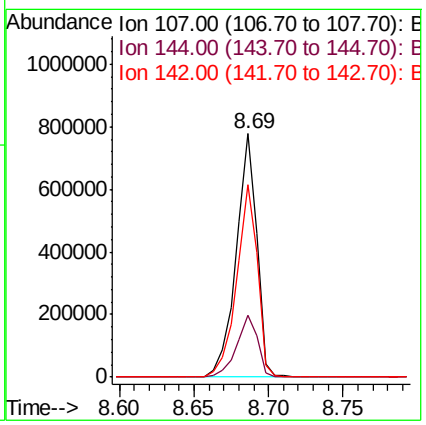
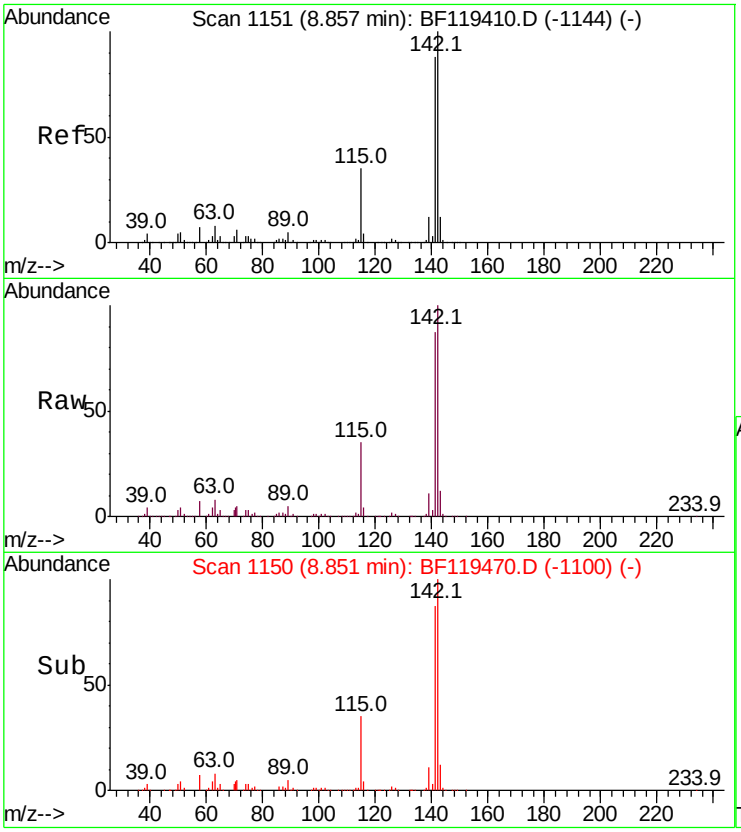


#36
4-Chloro-3-methylphenol
Concen: 44.335 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:107 Resp: 754120

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.6	31.0
142	79.3	63.8	95.6

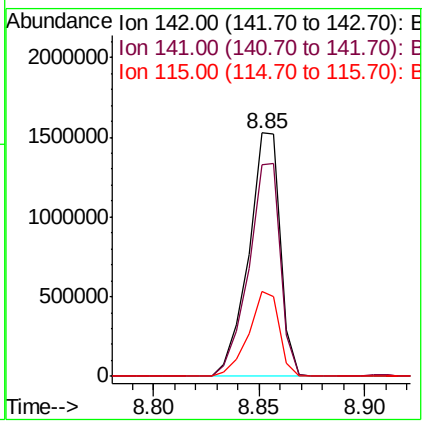




#37
2-Methylnaphthalene
Concen: 44.681 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:142 Resp: 1596495

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	34.9	27.8	41.6



Instrument :
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ClientSampleId :
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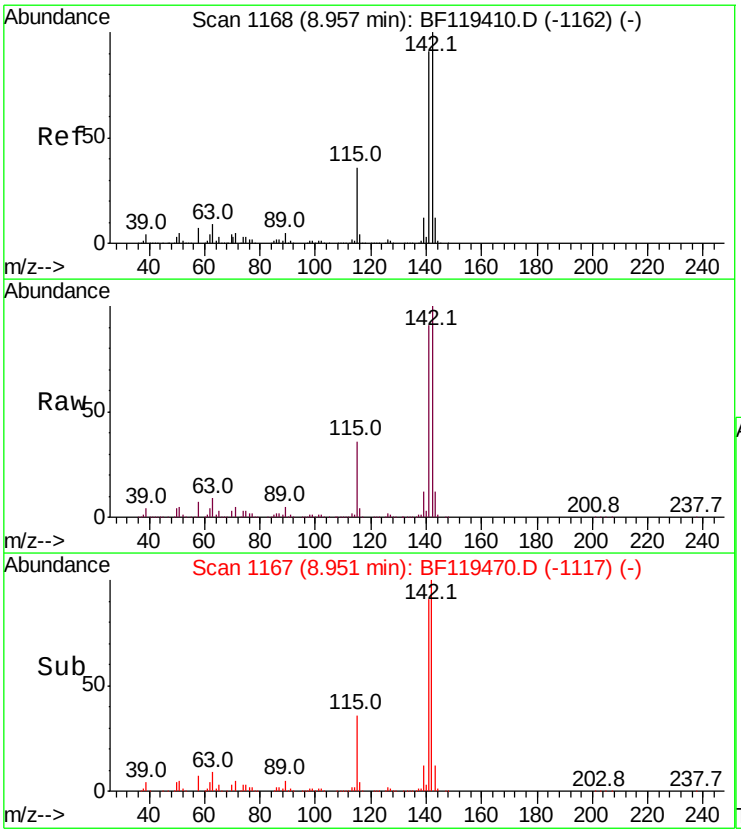
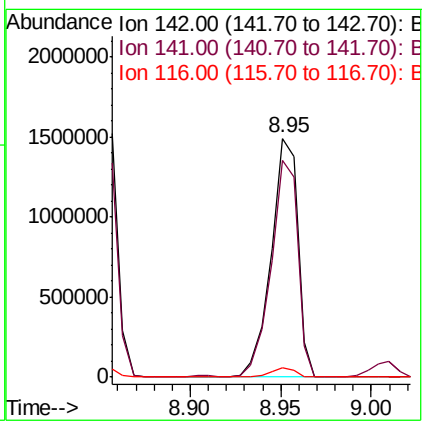
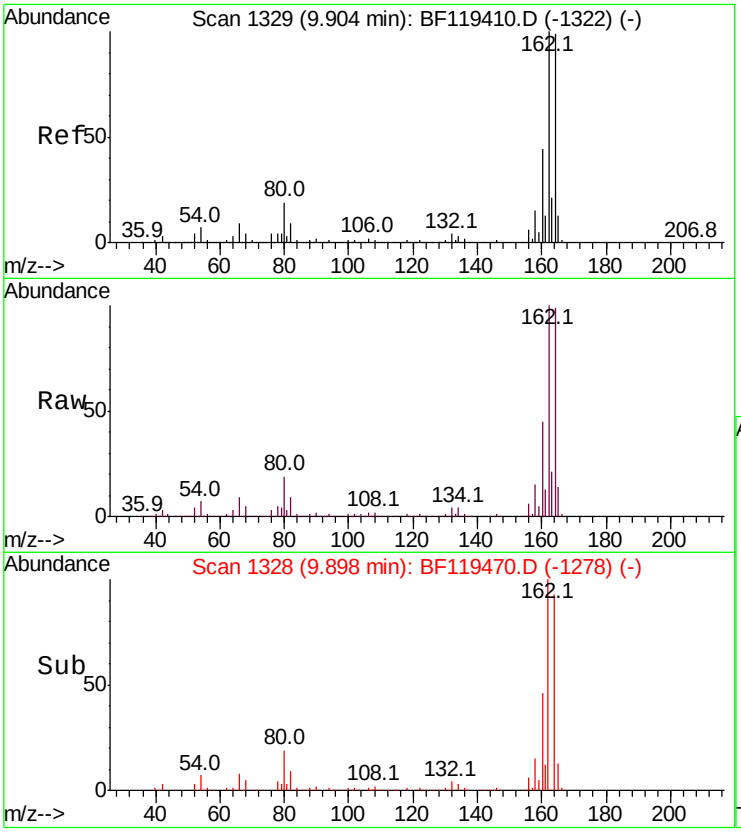


#38
1-Methylnaphthalene
Concen: 44.997 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:142 Resp: 1521802

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.1	109.7
116	3.8	3.0	4.6

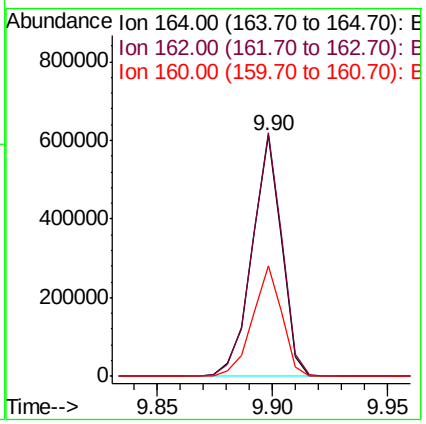




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:164 Resp: 546375

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.7	121.1
160	45.8	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

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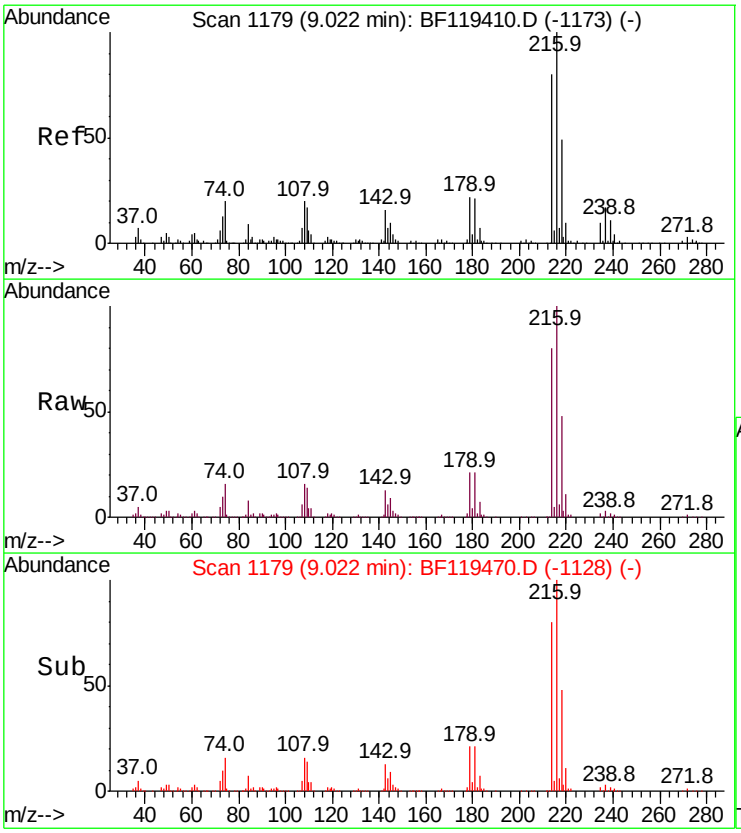
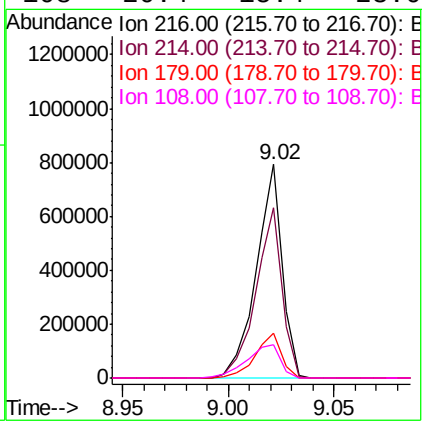
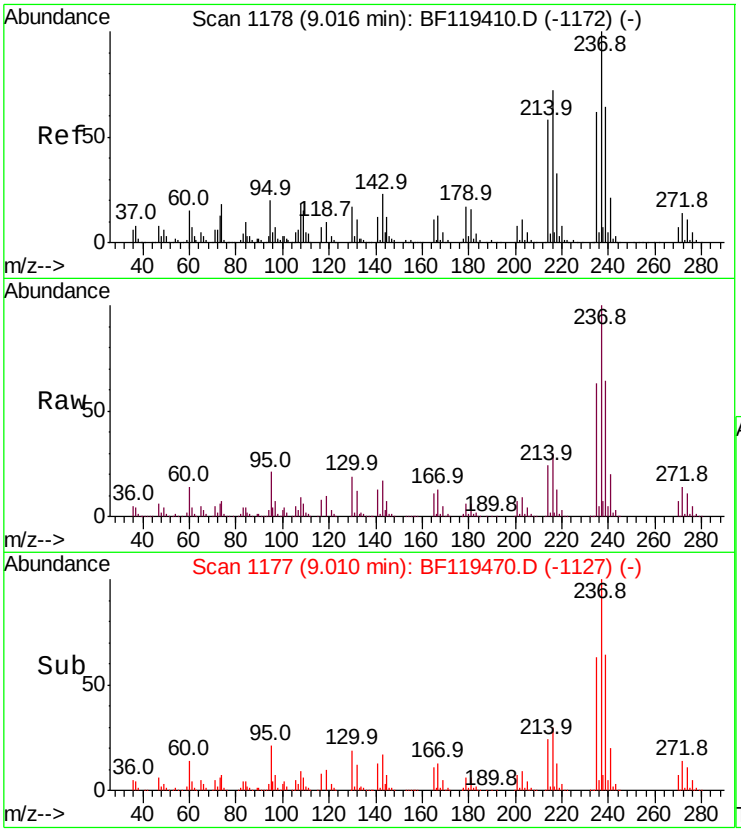


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.445 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:216 Resp: 679745

Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.0	94.6
179	21.2	17.0	25.4
108	20.4	15.4	23.0

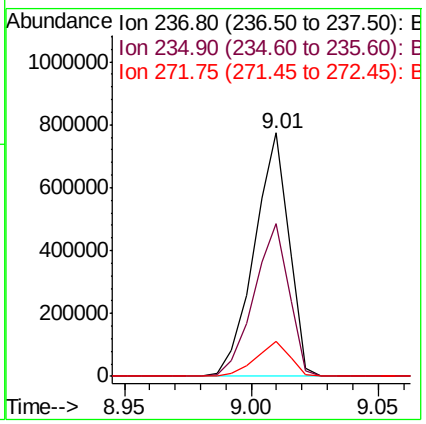




#41
Hexachlorocyclopentadiene
Concen: 81.261 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:237 Resp: 739845

Ion	Ratio	Lower	Upper
237	100		
235	62.7	42.5	82.5
272	14.2	0.0	34.3



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

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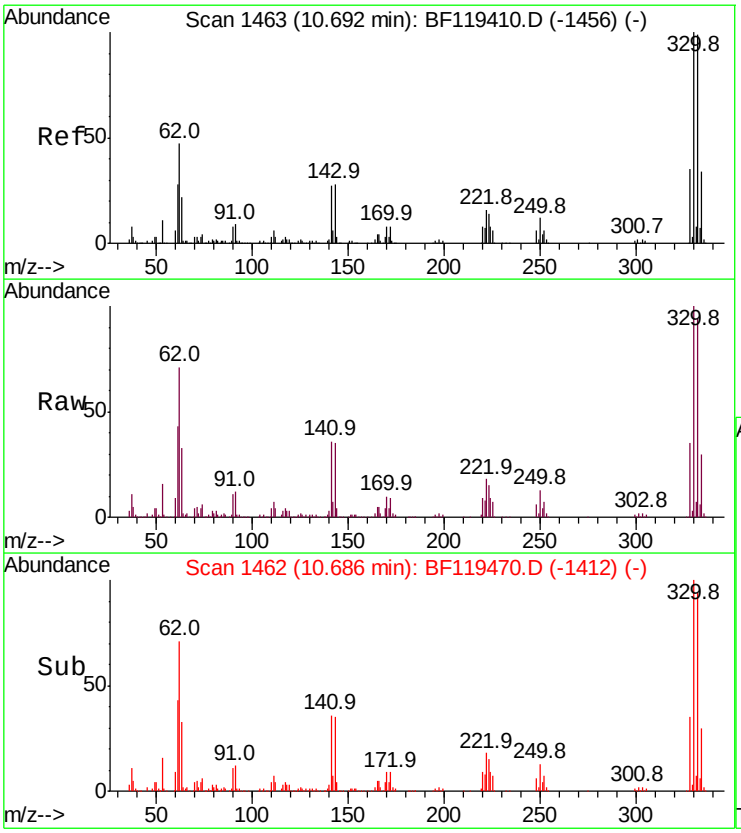
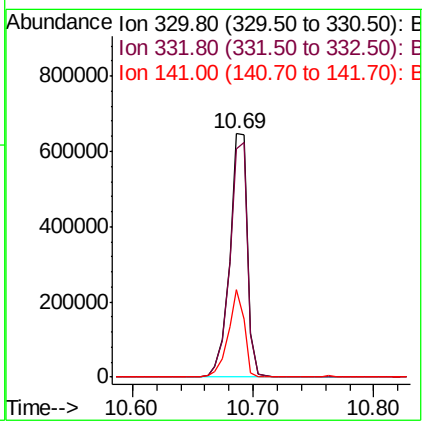
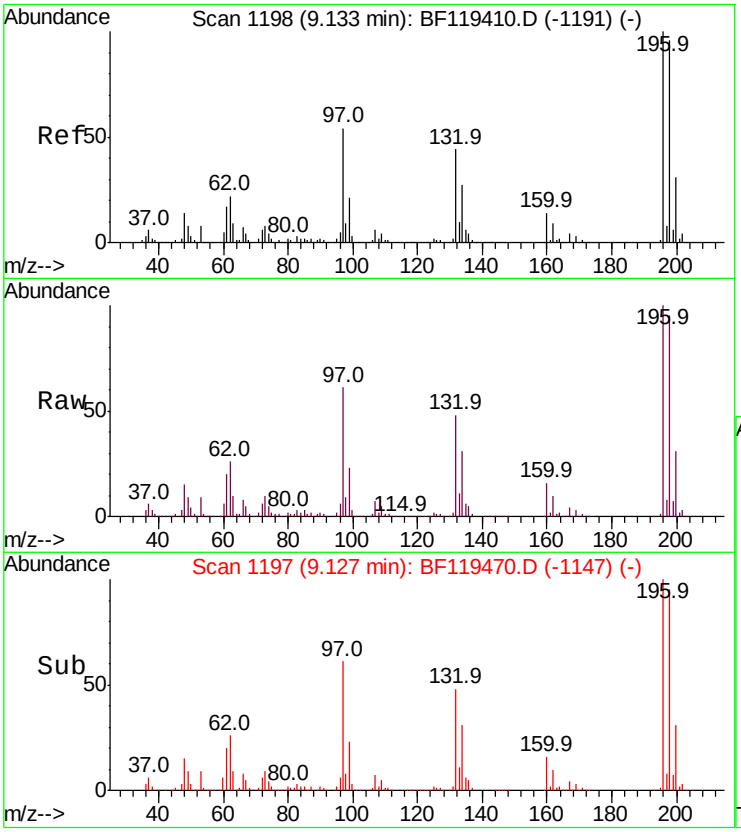


#42
2,4,6-Tribromophenol
Concen: 116.969 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:330 Resp: 659326

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	32.4	26.6	40.0

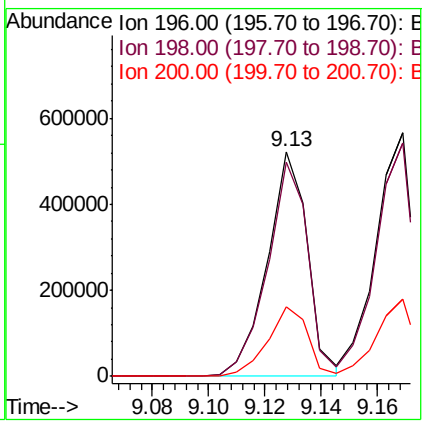




#43
2,4,6-Trichlorophenol
Concen: 44.860 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:196 Resp: 514118

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.0	115.4
200	30.7	25.1	37.7



Instrument :
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ClientSampleId :
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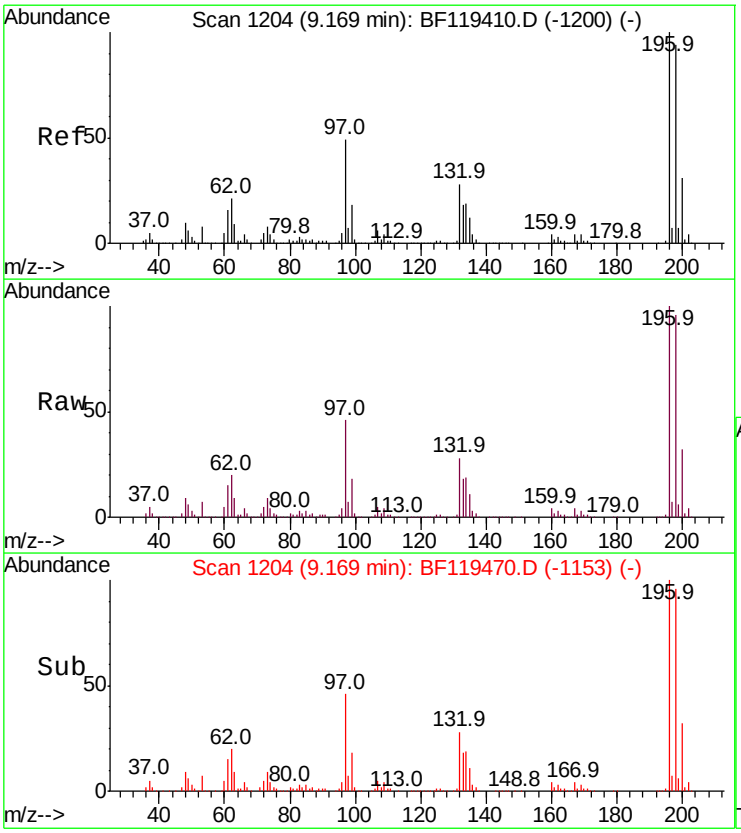
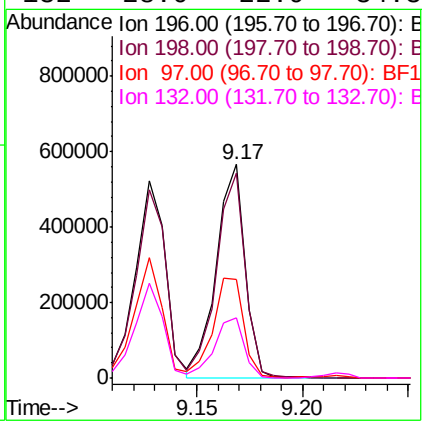
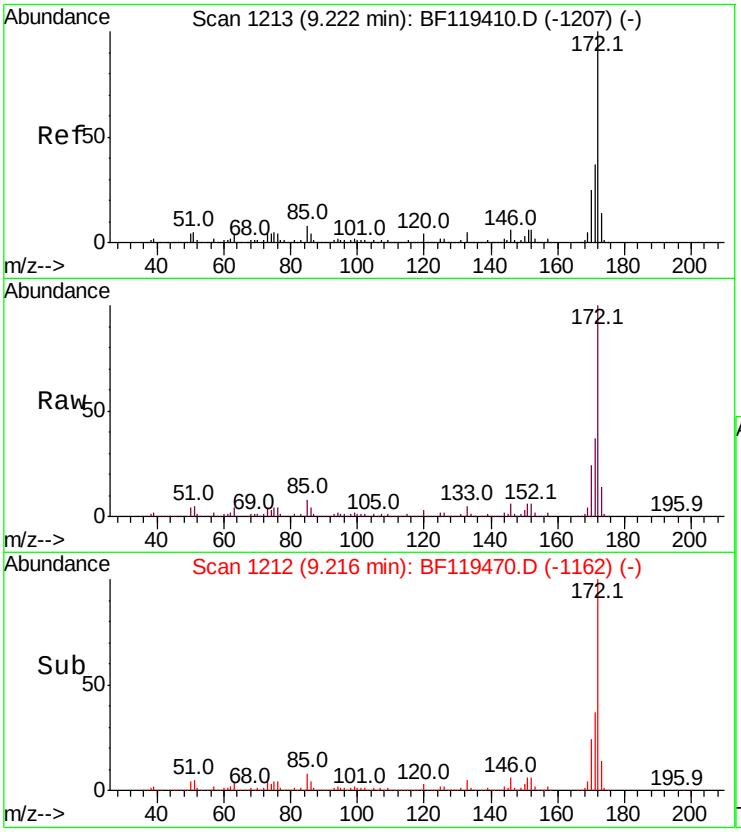


#44
2,4,5-Trichlorophenol
Concen: 41.552 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:196 Resp: 533466

Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.3	112.9
97	46.3	39.0	58.4
132	28.0	22.9	34.3

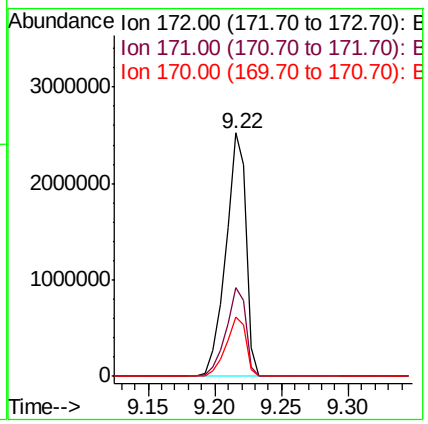




#45
2-Fluorobiphenyl
Concen: 73.096 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:172 Resp: 2695827

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	24.4	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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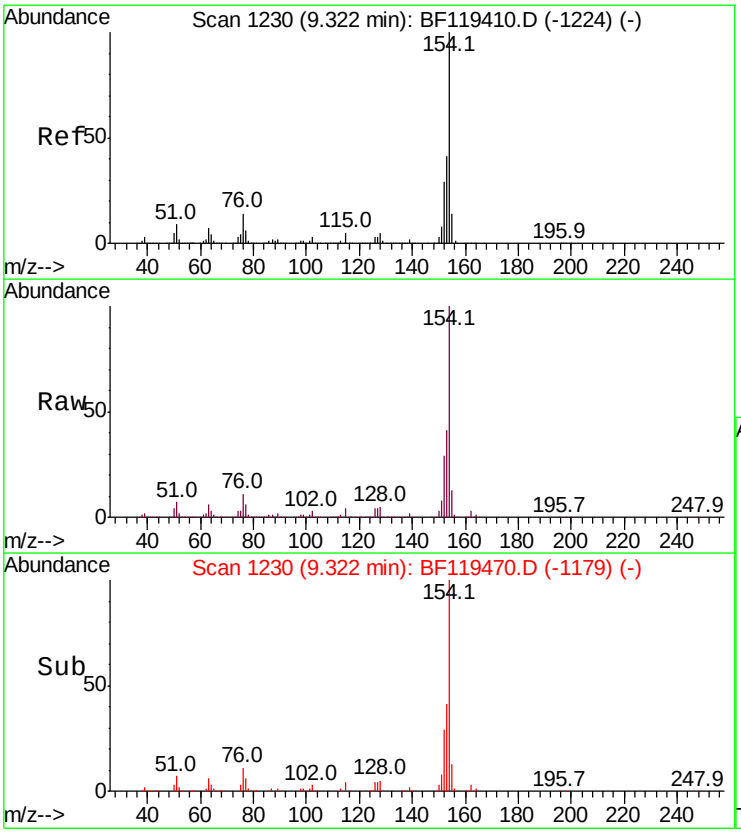
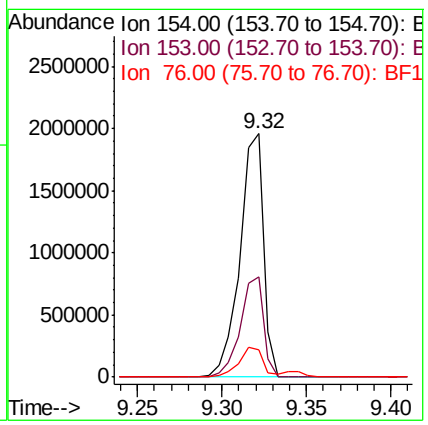
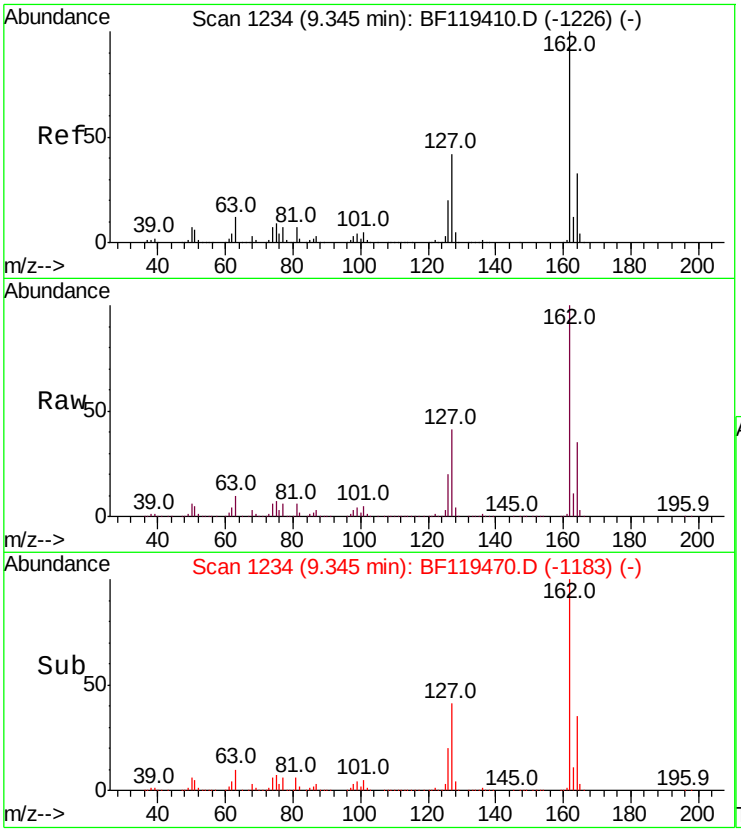


#46
1,1'-Biphenyl
Concen: 42.861 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:154 Resp: 1907312

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.4	61.4
76	11.3	0.0	33.6

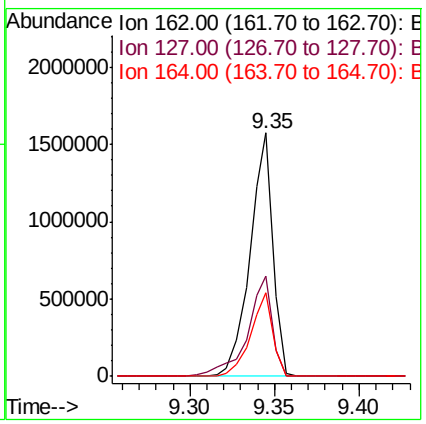




#47
2-Chloronaphthalene
Concen: 42.654 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:162 Resp: 1486791

Ion	Ratio	Lower	Upper
162	100		
127	40.9	33.7	50.5
164	34.5	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

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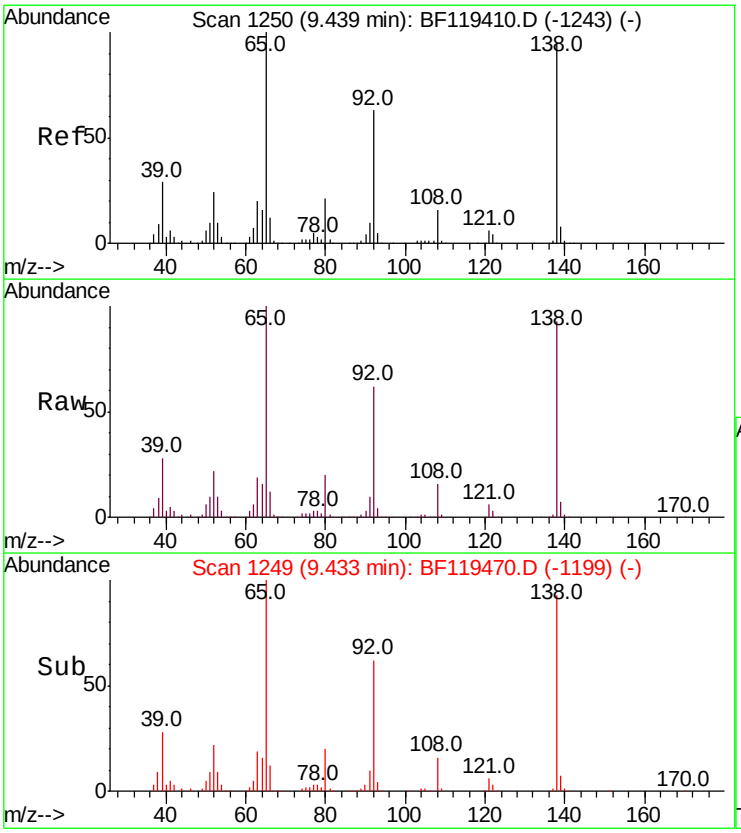
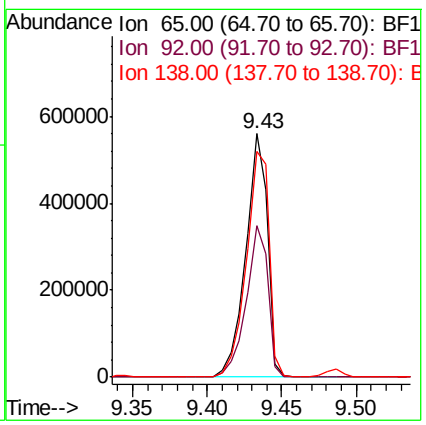
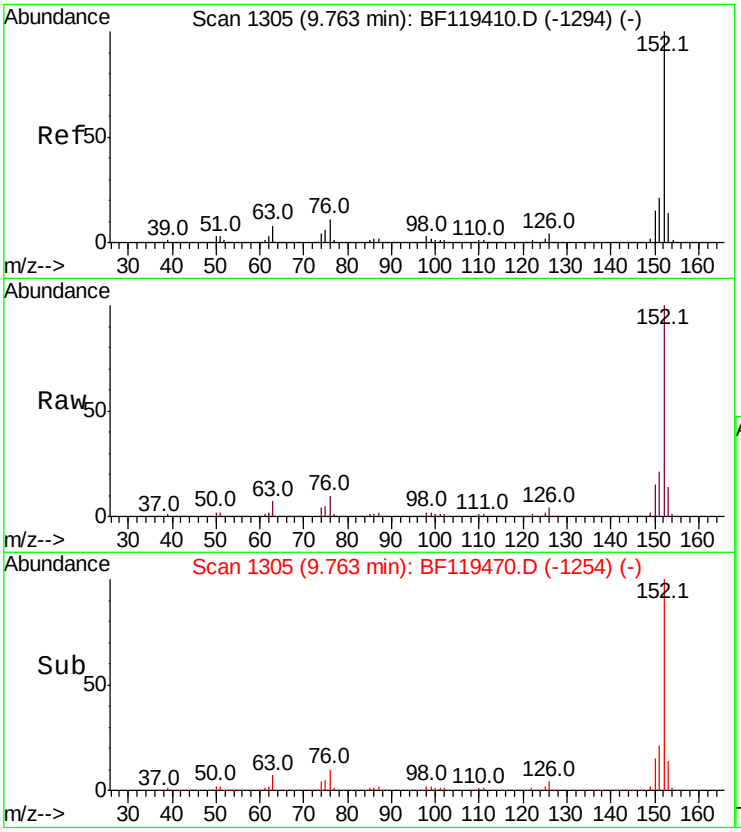


#48
2-Nitroaniline
Concen: 46.458 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 65 Resp: 558955

Ion	Ratio	Lower	Upper
65	100		
92	62.3	50.5	75.7
138	92.8	75.8	113.8

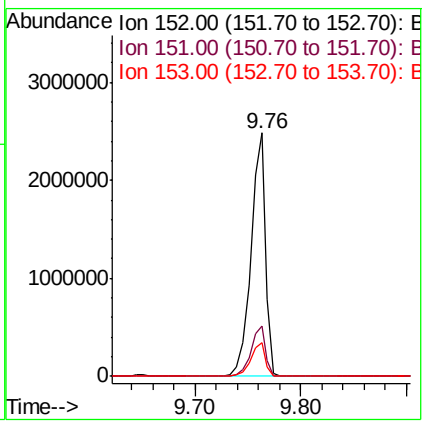




#49
Acenaphthylene
Concen: 43.605 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:152 Resp: 2386877

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	13.6	11.2	16.8



Instrument :
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ClientSampleId :
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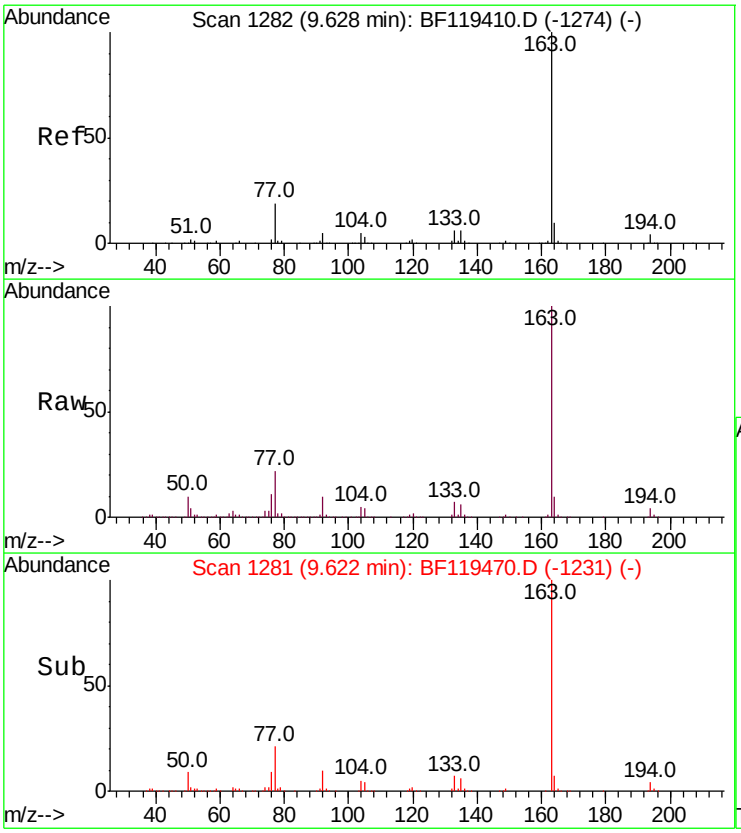
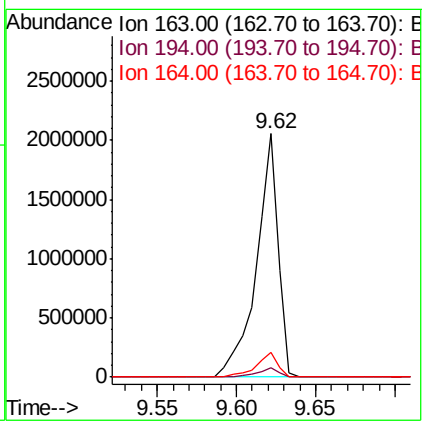
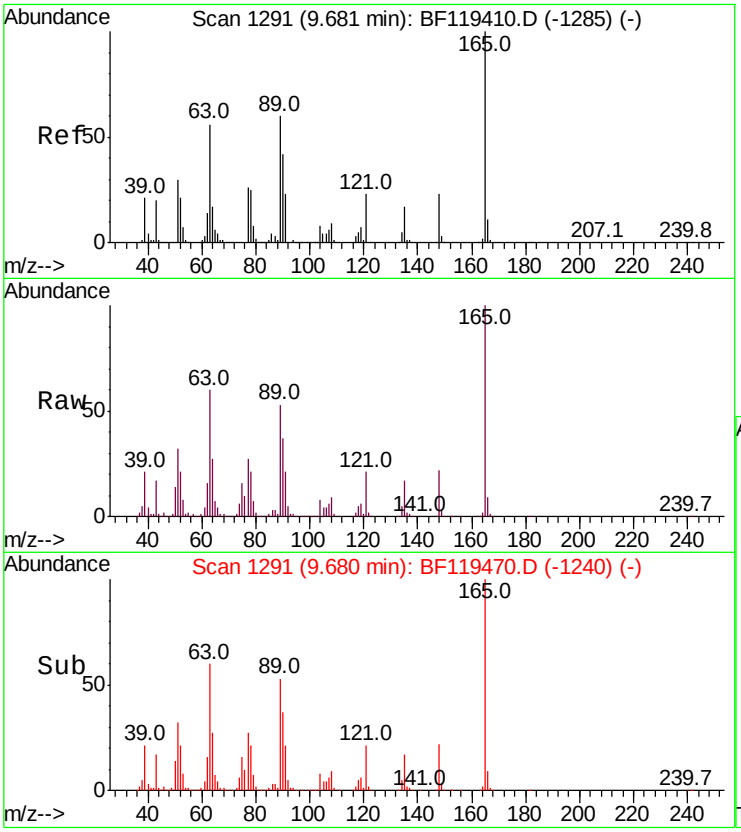


#50
Dimethylphthalate
Concen: 50.882 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:163 Resp: 1974700

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.4	8.1	12.1

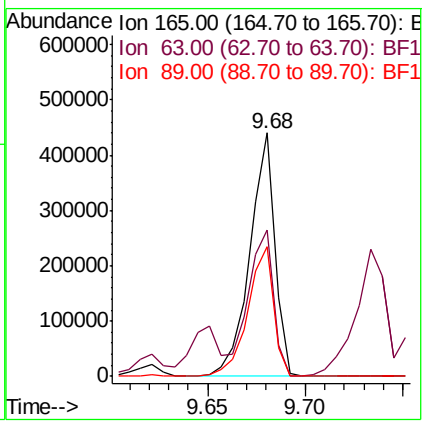




#51
2,6-Dinitrotoluene
Concen: 47.249 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:165 Resp: 393045

Ion	Ratio	Lower	Upper
165	100		
63	60.2	57.3	85.9
89	53.1	47.8	71.8



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ClientSampleId :
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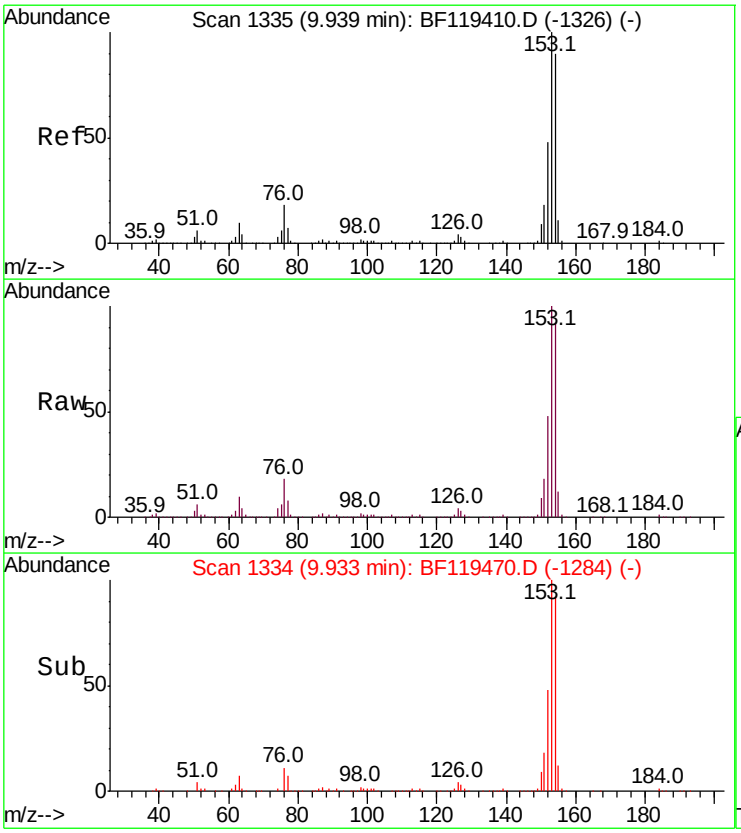
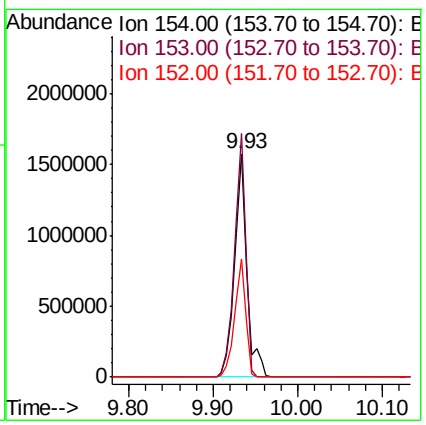
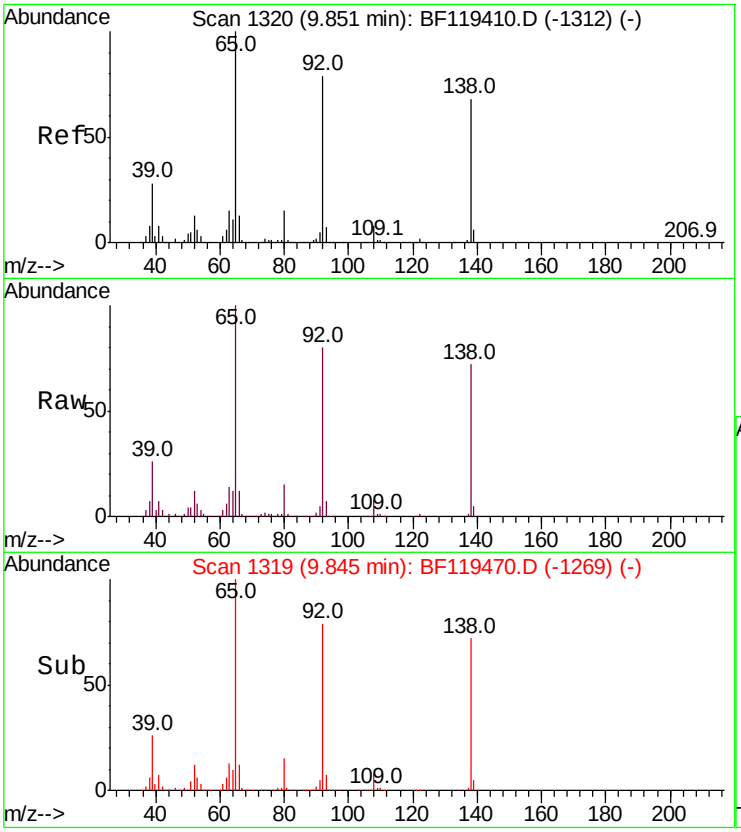


#52
Acenaphthene
Concen: 46.095 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:154 Resp: 1572983

Ion	Ratio	Lower	Upper
154	100		
153	109.0	89.0	133.6
152	52.6	43.1	64.7

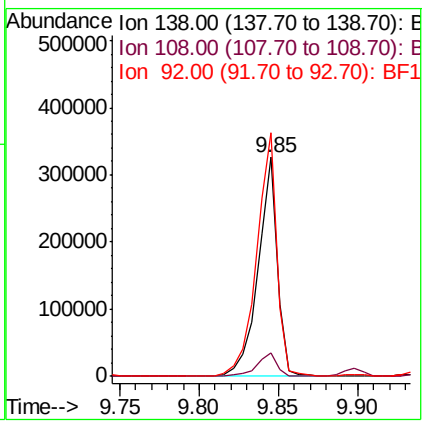




#53
3-Nitroaniline
Concen: 26.530 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:138 Resp: 278616

Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.0	13.6
92	111.3	93.2	139.8



Instrument :
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ClientSampleId :
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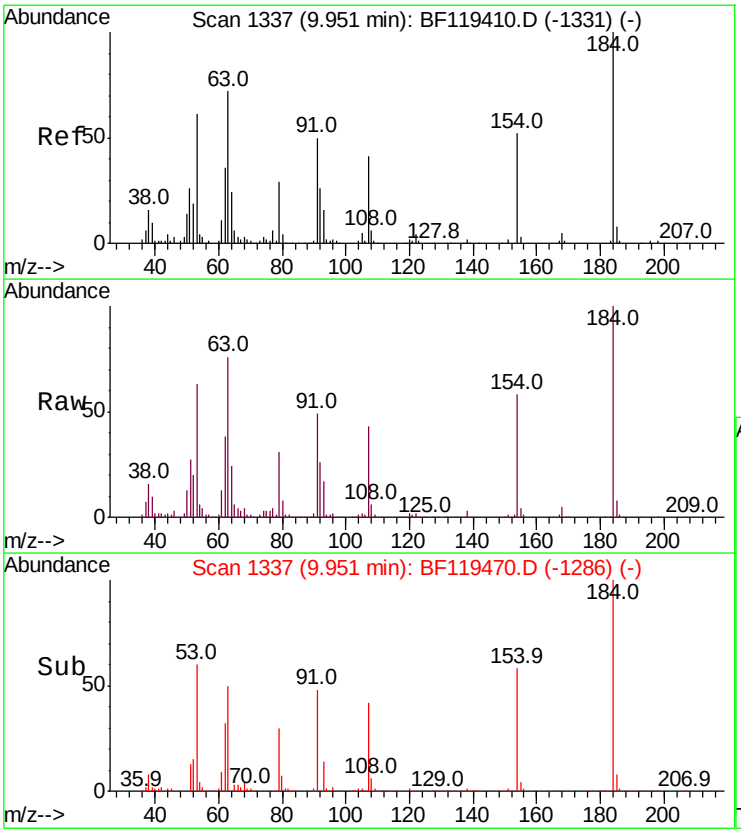
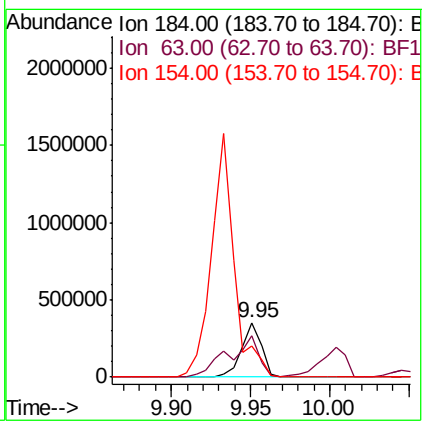
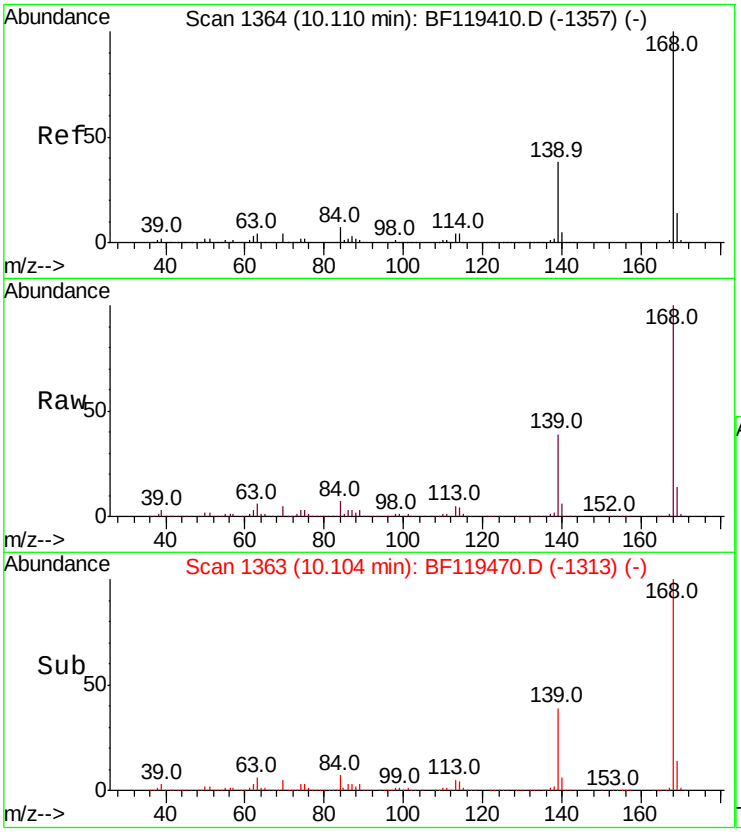


#54
2,4-Dinitrophenol
Concen: 85.012 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:184 Resp: 307799

Ion	Ratio	Lower	Upper
184	100		
63	76.0	58.5	87.7
154	58.0	51.8	77.6

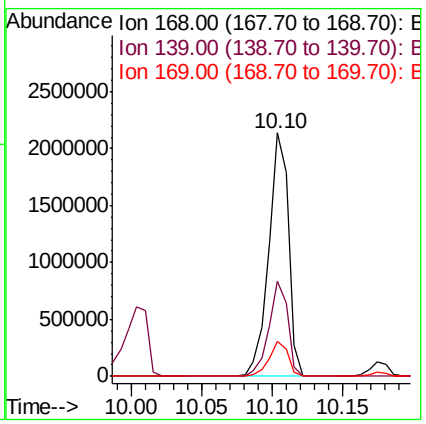




#55
Dibenzofuran
Concen: 43.095 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:168 Resp: 2108477

Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.2	45.4
169	14.4	11.1	16.7



Instrument :
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ClientSampleId :
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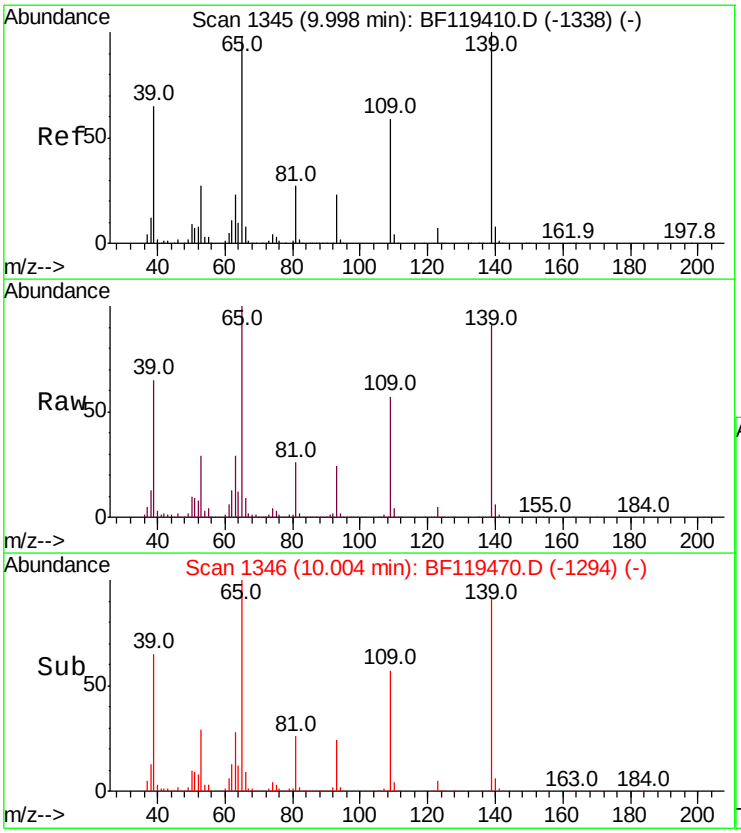
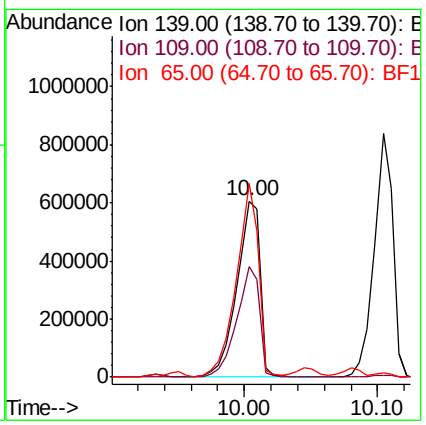
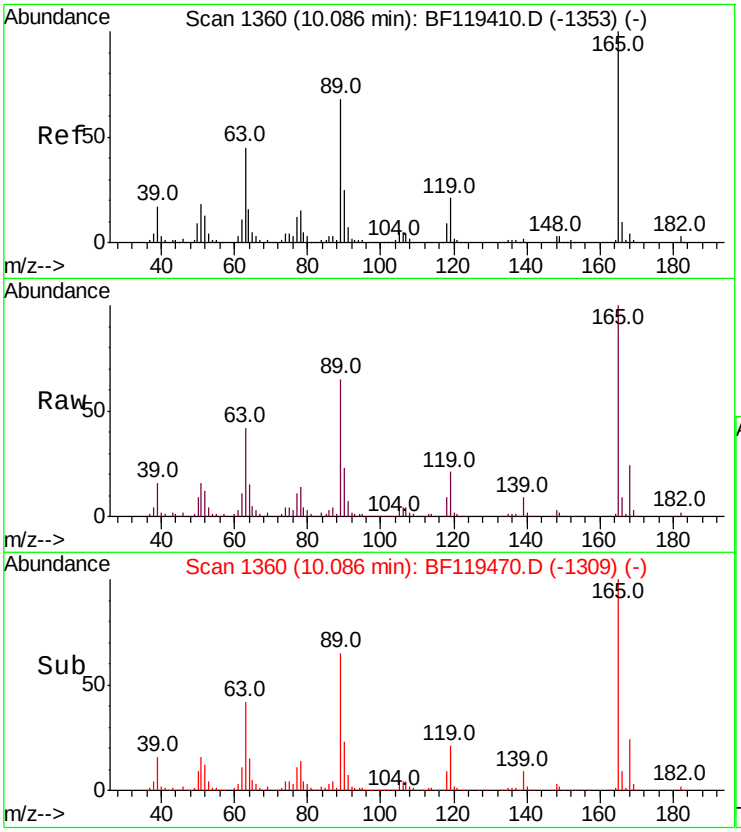


#56
4-Nitrophenol
Concen: 88.285 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:139 Resp: 731419

Ion	Ratio	Lower	Upper
139	100		
109	63.0	39.6	79.6
65	109.8	78.3	118.3

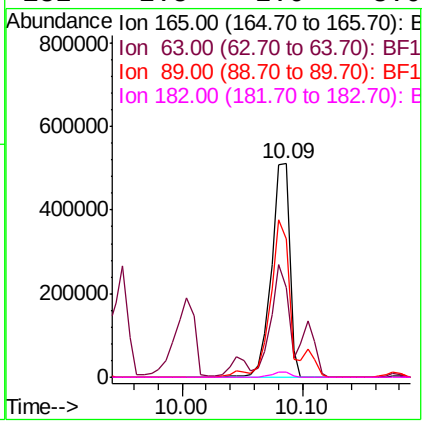




#57
2,4-Dinitrotoluene
Concen: 50.726 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:165 Resp: 531558

Ion	Ratio	Lower	Upper
165	100		
63	42.2	36.2	54.4
89	64.7	54.3	81.5
182	2.5	2.0	3.0



Instrument :
BNA_F
ClientSampleId :
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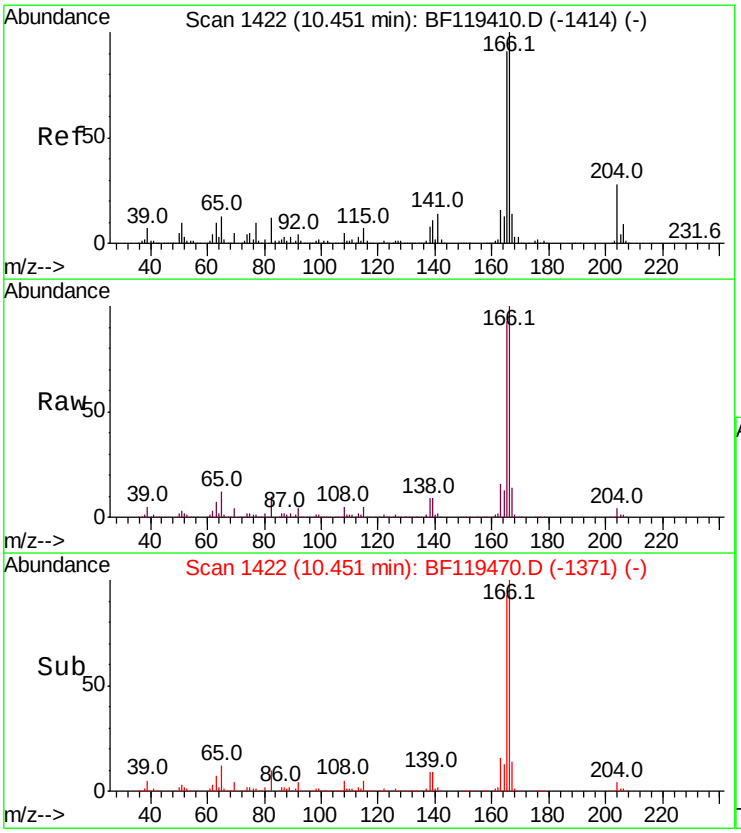
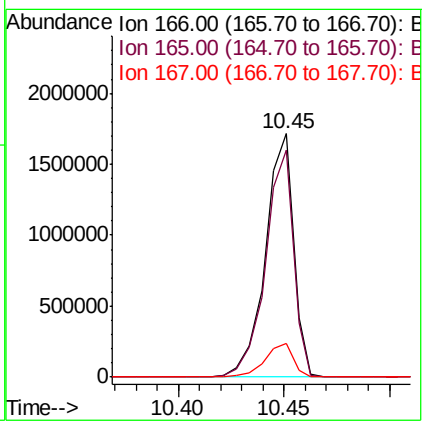
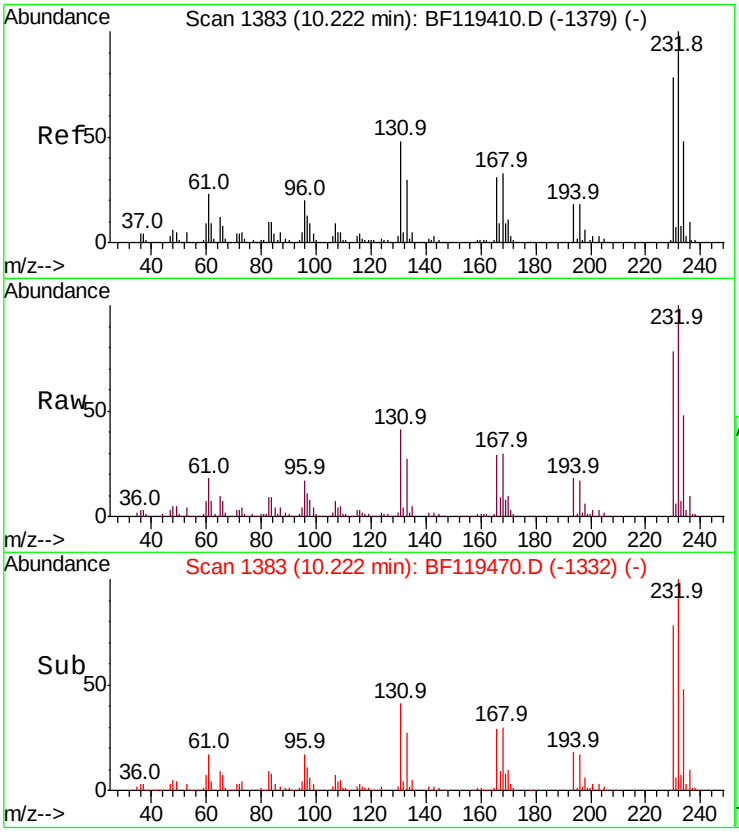


#58
Fluorene
Concen: 44.005 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:166 Resp: 1592097

Ion	Ratio	Lower	Upper
166	100		
165	93.0	73.1	109.7
167	13.6	11.0	16.6

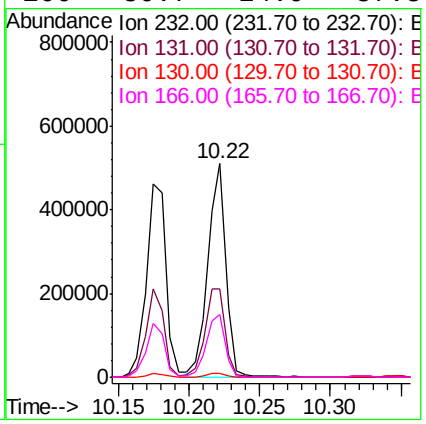




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.042 ng
RT: 10.22 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:232 Resp: 451441

Ion	Ratio	Lower	Upper
232	100		
131	46.2	36.3	54.5
130	2.1	1.8	2.6
166	30.7	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
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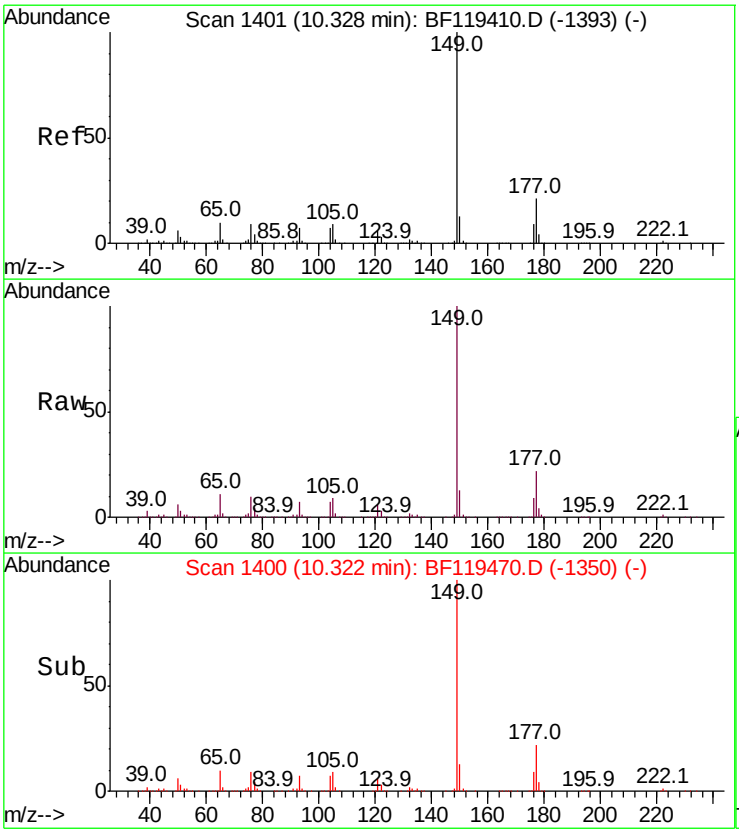
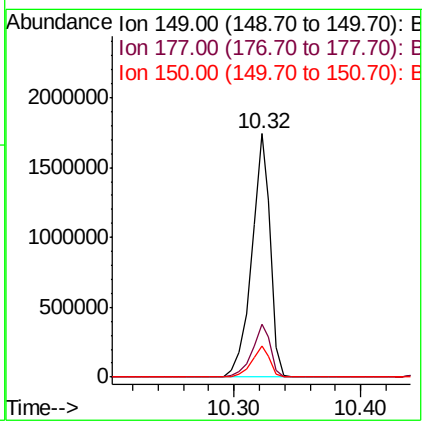
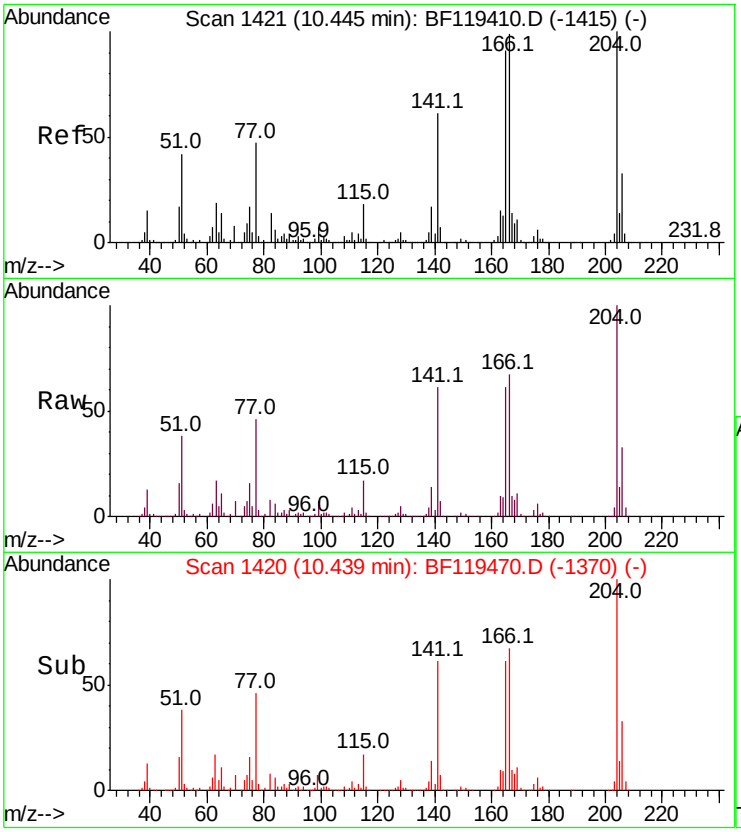


#60
Diethylphthalate
Concen: 45.010 ng
RT: 10.32 min Scan# 1400
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:149 Resp: 1772903

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.0	25.6
150	13.0	10.2	15.4

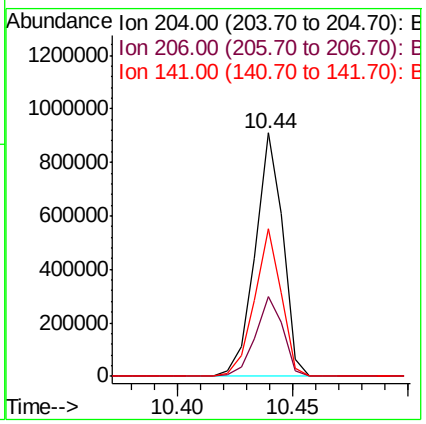




#61
4-Chlorophenyl-phenylether
Concen: 43.168 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:204 Resp: 763753

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.7	40.1
141	60.9	48.8	73.2



Instrument :
BNA_F
ClientSampleId :
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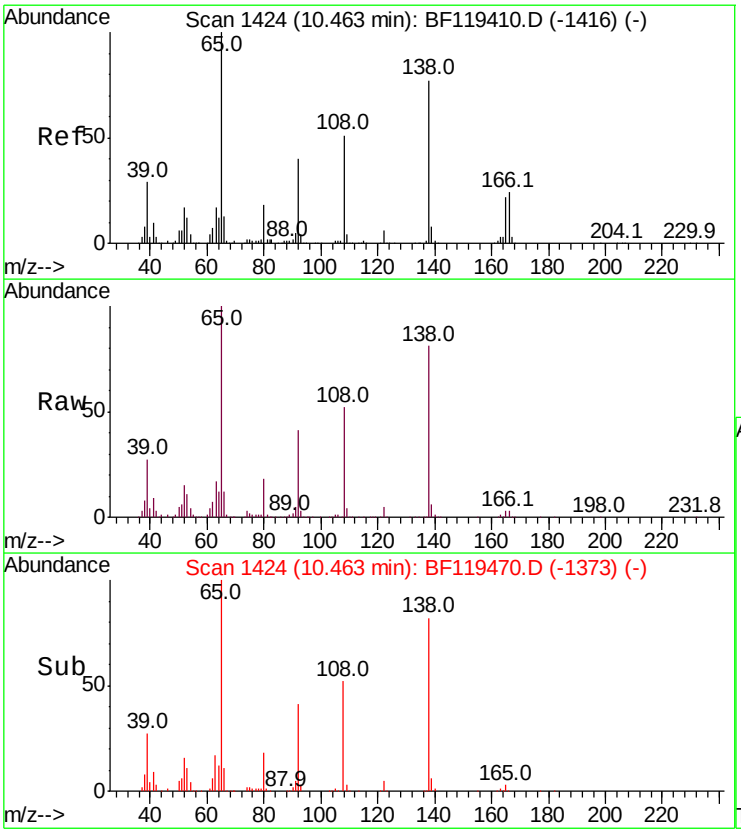
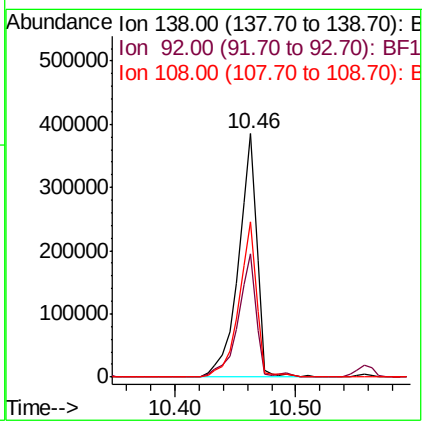
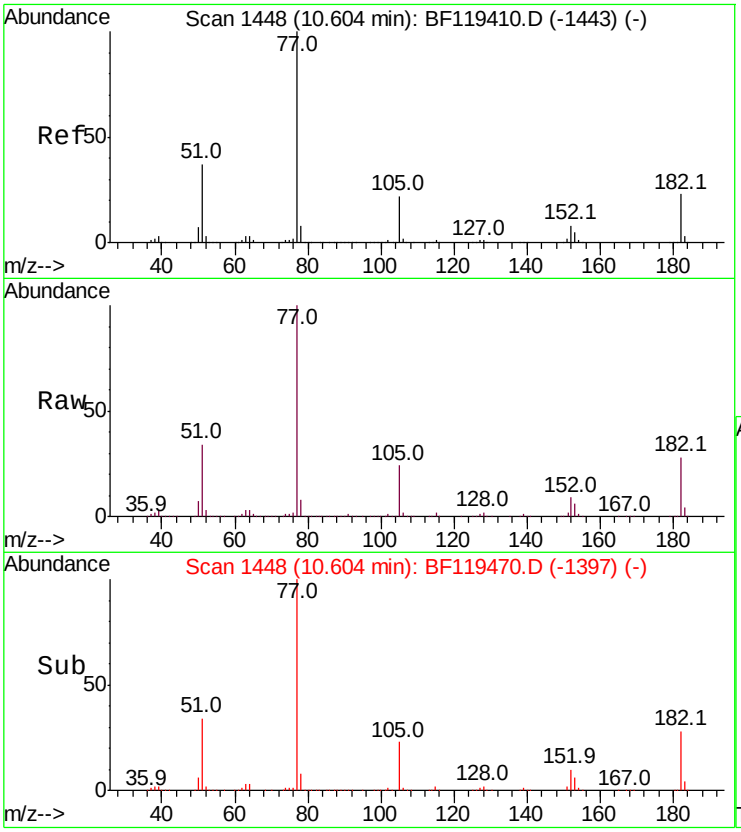


#62
4-Nitroaniline
Concen: 40.674 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:138 Resp: 409612

Ion	Ratio	Lower	Upper
138	100		
92	50.4	32.0	72.0
108	64.0	46.0	86.0

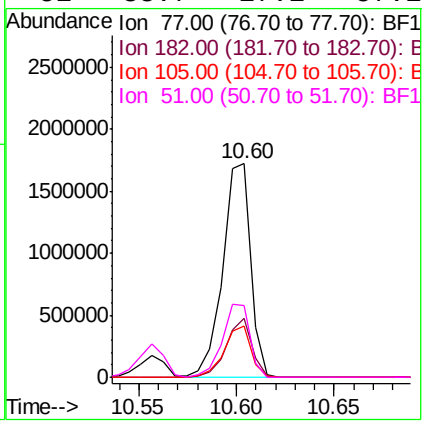




#63
Azobenzene
Concen: 42.919 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion: 77 Resp: 1702388

Ion	Ratio	Lower	Upper
77	100		
182	27.7	2.5	42.5
105	23.9	2.5	42.5
51	33.7	17.1	57.1



Instrument :
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ClientSampleId :
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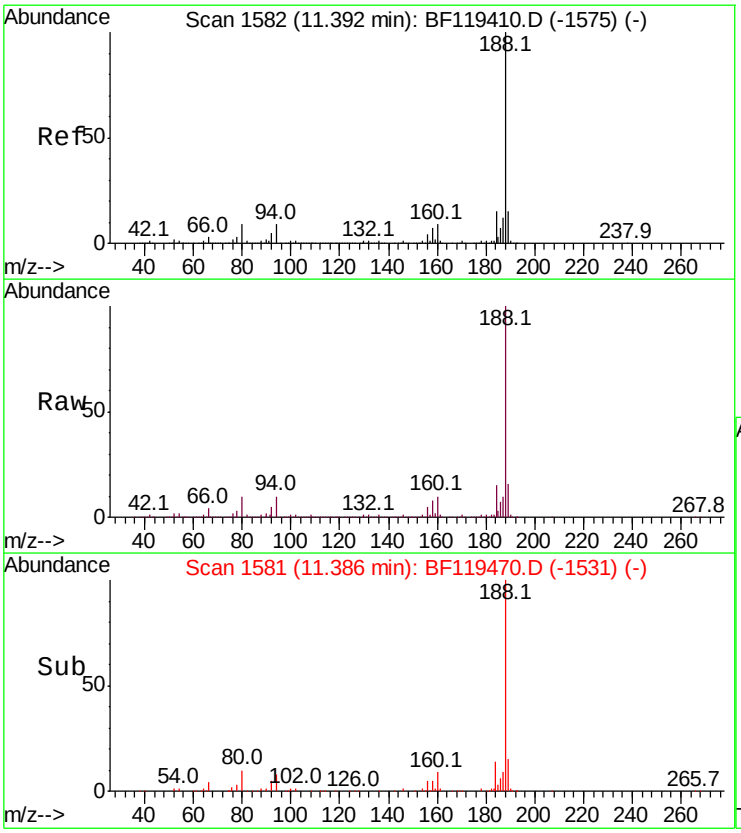
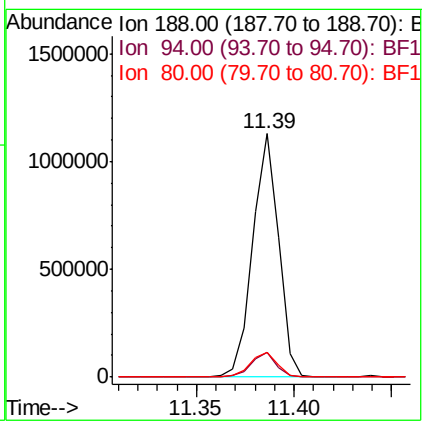
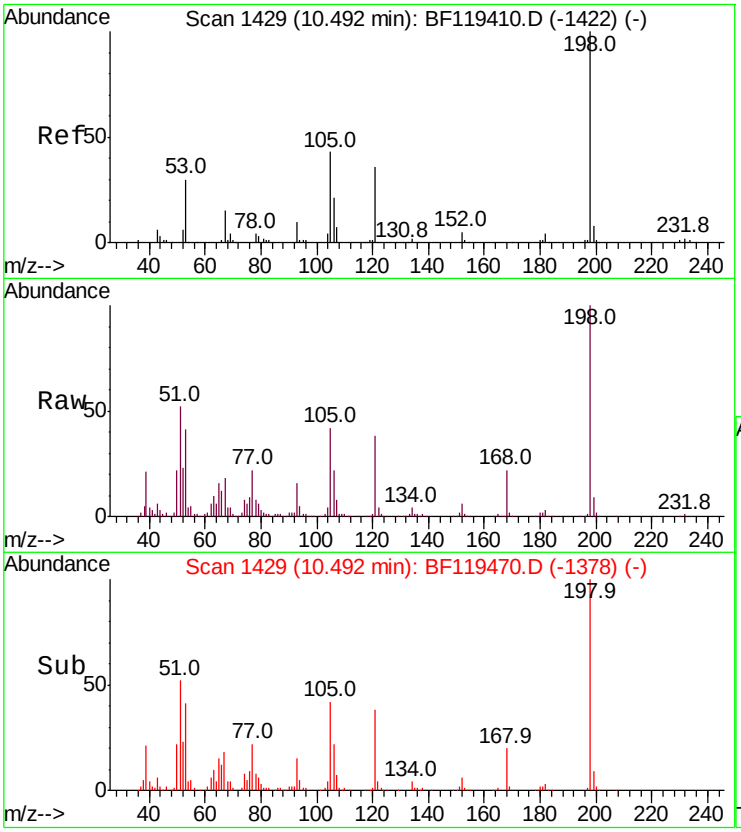


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:188 Resp: 1037501

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.1	10.7
80	10.2	7.5	11.3





#65
4,6-Dinitro-2-methylphenol
Concen: 51.064 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:198 Resp: 222153

Ion	Ratio	Lower	Upper
198	100		
51	52.1	33.1	73.1
105	41.8	24.1	64.1

Instrument :
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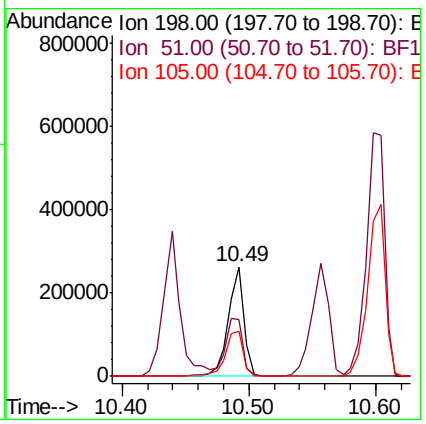
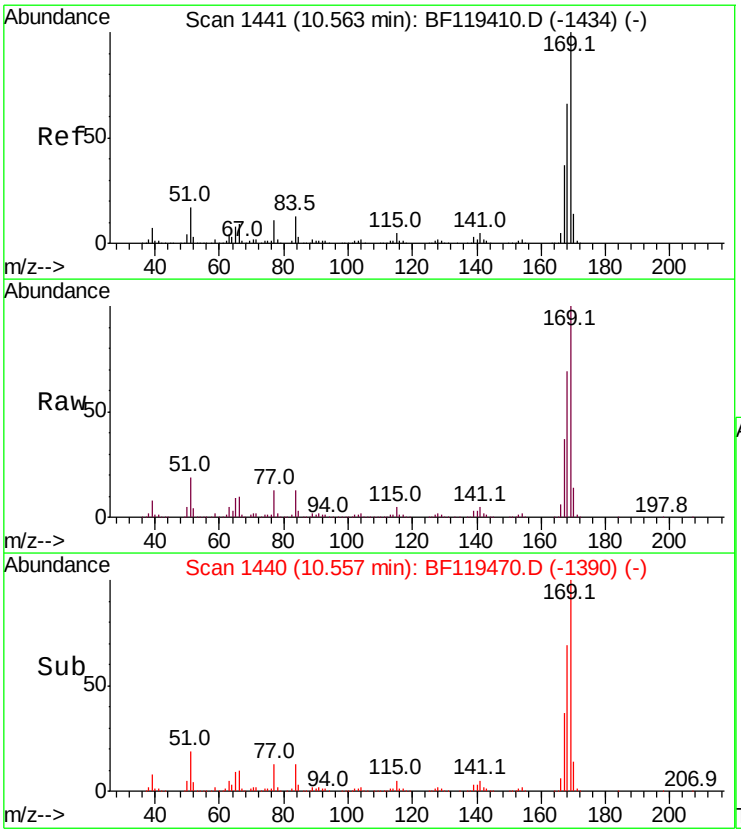
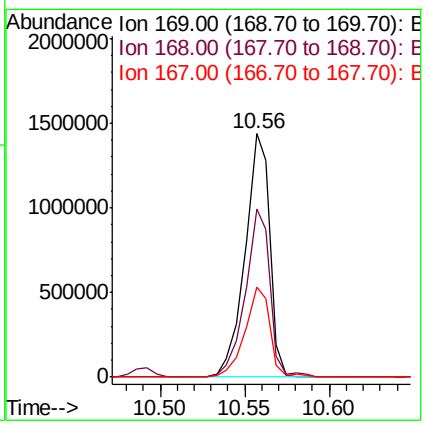


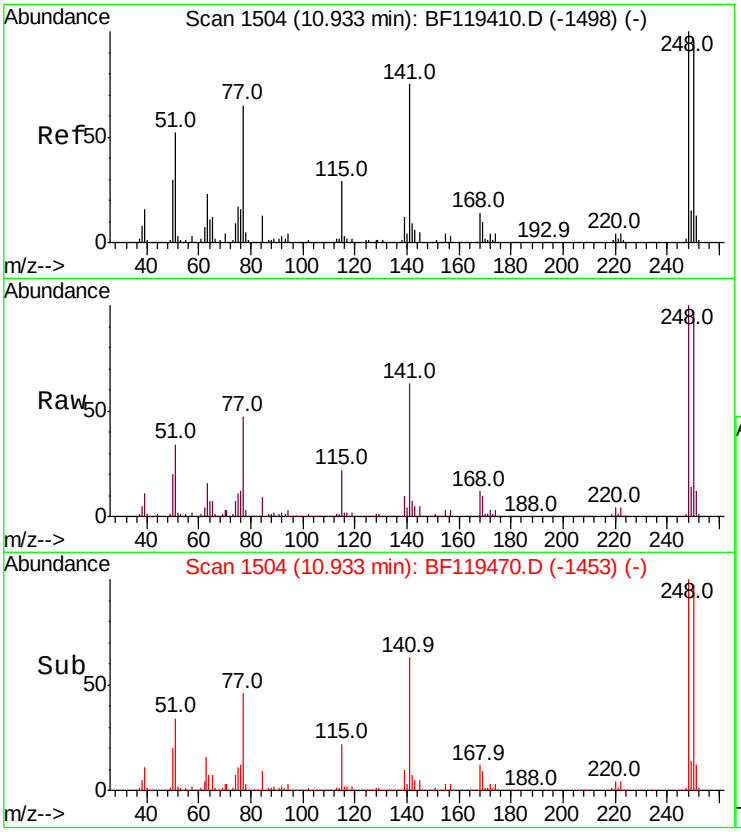


#66
n-Nitrosodiphenylamine
Concen: 43.287 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:169 Resp: 1474321

Ion	Ratio	Lower	Upper
169	100		
168	68.9	52.7	79.1
167	37.2	29.3	43.9

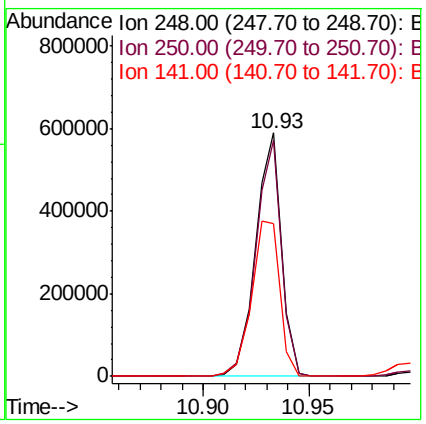




#67
4-Bromophenyl-phenylether
Concen: 42.288 ng
RT: 10.93 min Scan# 1504
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:248 Resp: 499662

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.0	115.6
141	63.0	59.7	89.5



Instrument :
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ClientSampleId :
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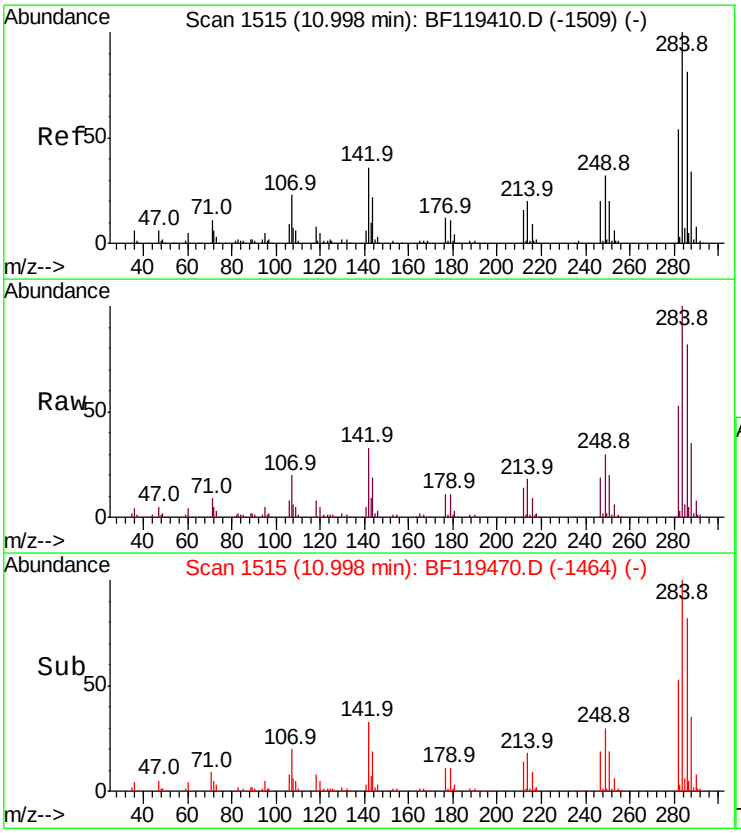
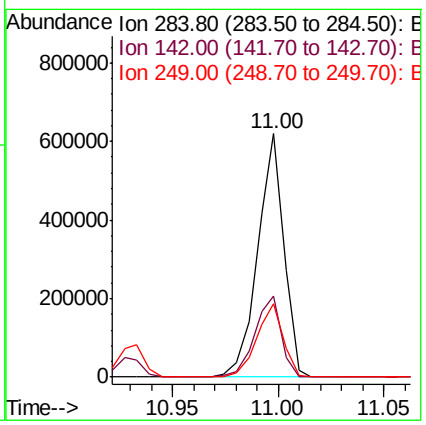
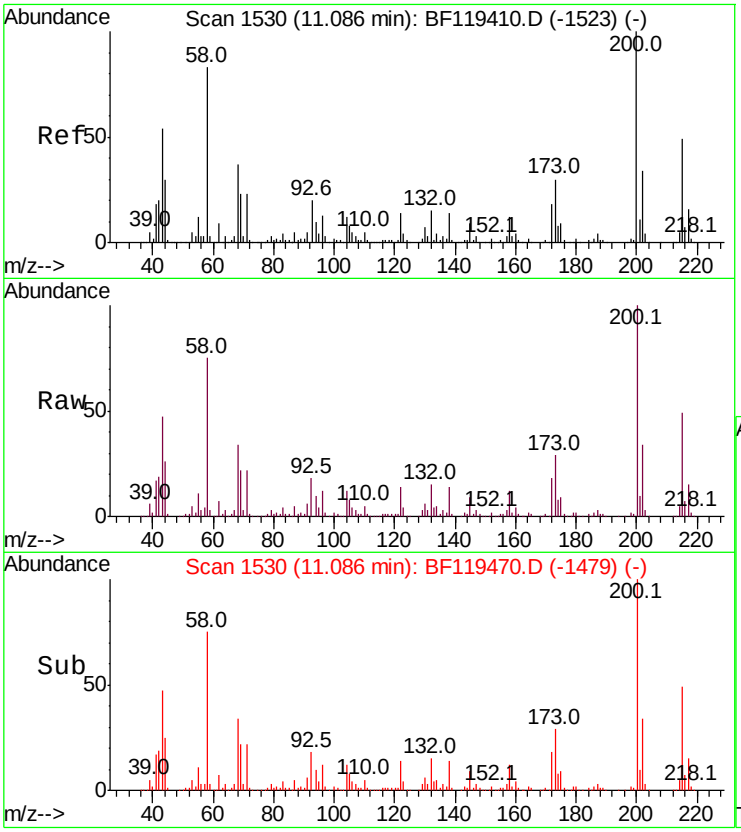


#68
Hexachlorobenzene
Concen: 44.180 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:284 Resp: 534276

Ion	Ratio	Lower	Upper
284	100		
142	33.2	28.7	43.1
249	30.4	25.4	38.0

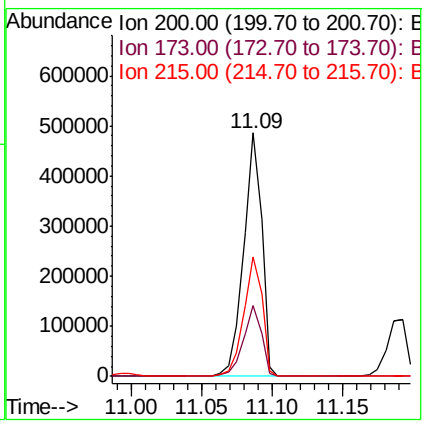




#69
Atrazine
Concen: 46.878 ng
RT: 11.09 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:200 Resp: 437722

Ion	Ratio	Lower	Upper
200	100		
173	29.2	9.9	49.9
215	49.2	29.4	69.4



Instrument :
BNA_F
ClientSampleId :
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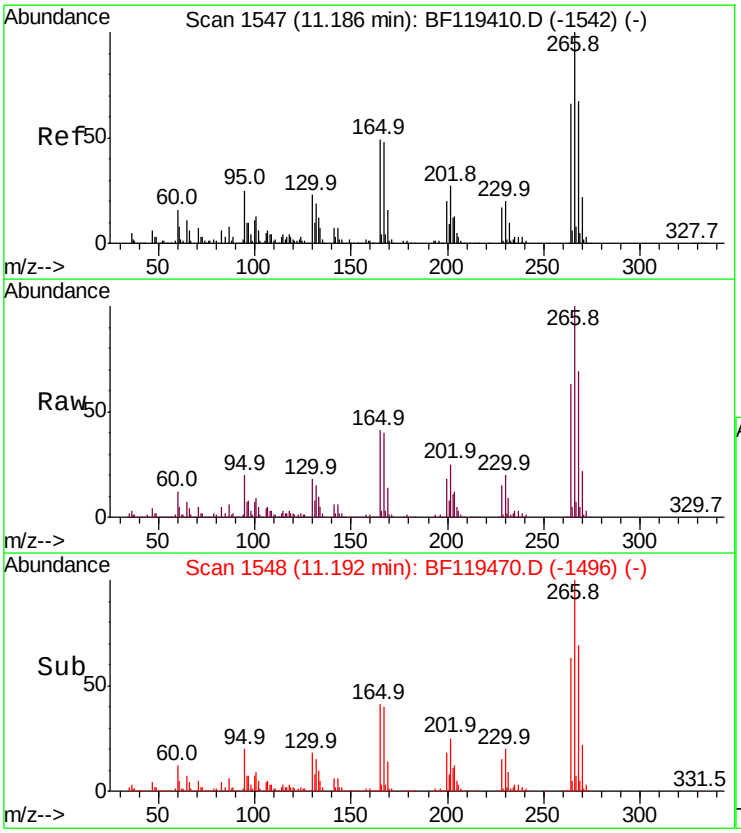
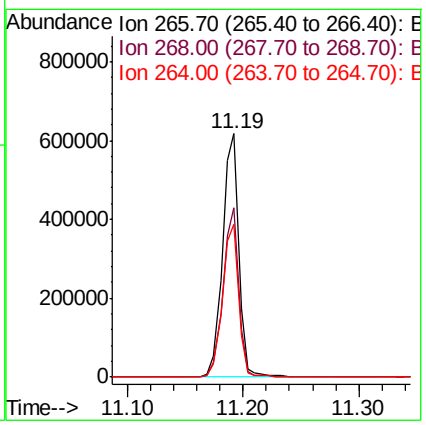
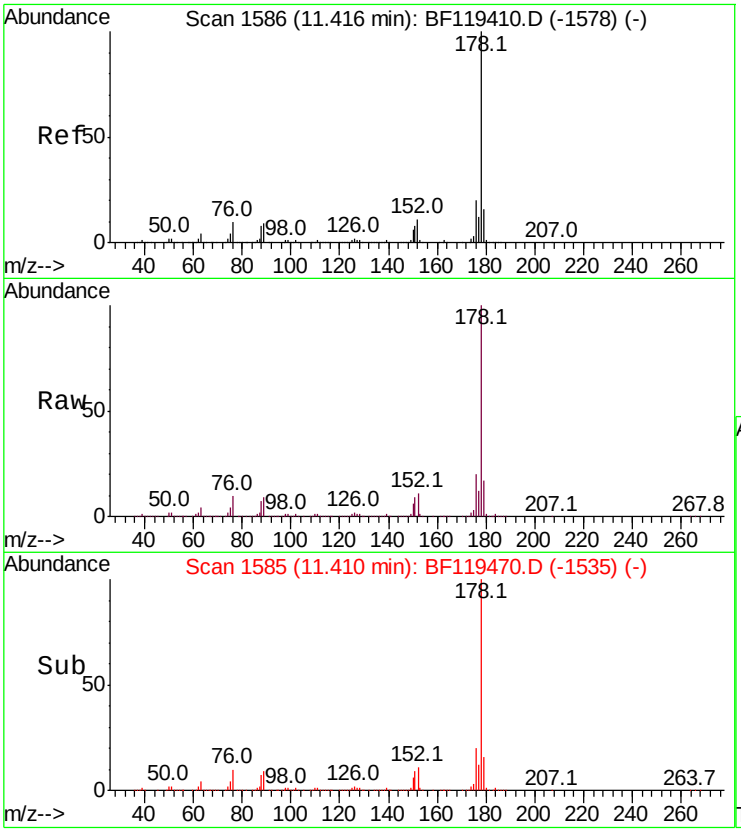


#70
Pentachlorophenol
Concen: 85.282 ng
RT: 11.19 min Scan# 1548
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:266 Resp: 604728

Ion	Ratio	Lower	Upper
266	100		
268	69.4	53.7	80.5
264	63.0	52.5	78.7

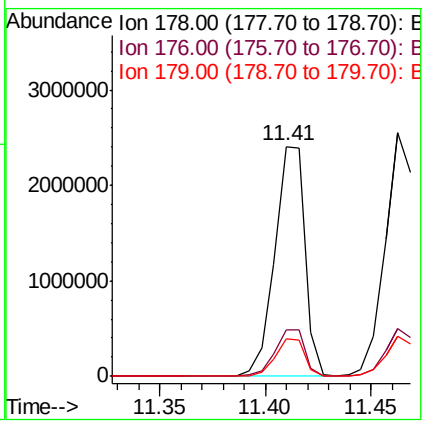




#71
Phenanthrene
Concen: 44.769 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:178 Resp: 2408422

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.2	24.4
179	16.5	12.9	19.3



Instrument :
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ClientSampleId :
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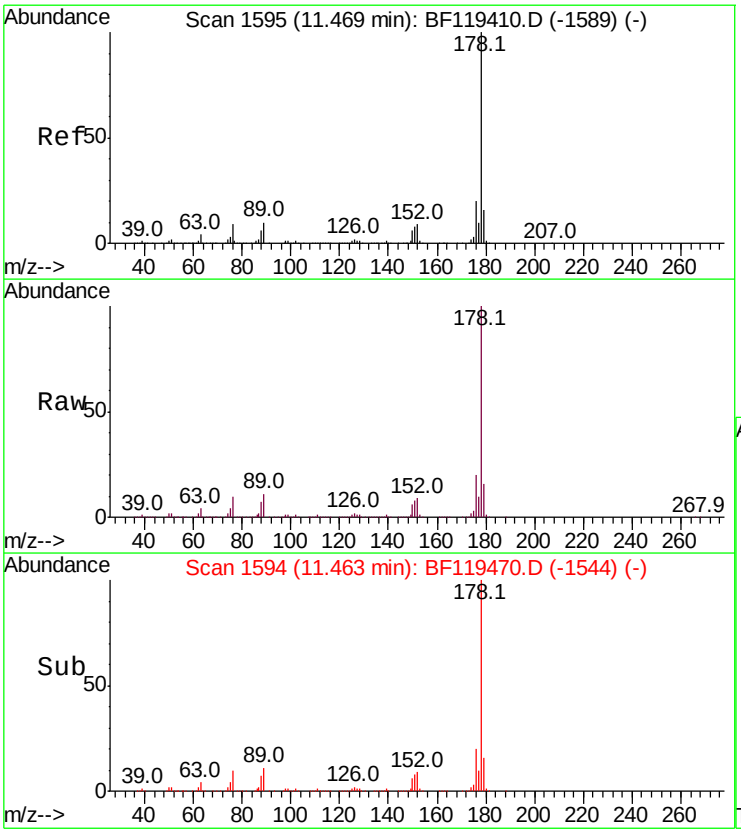
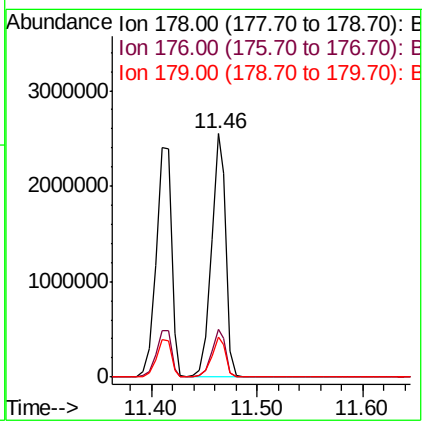
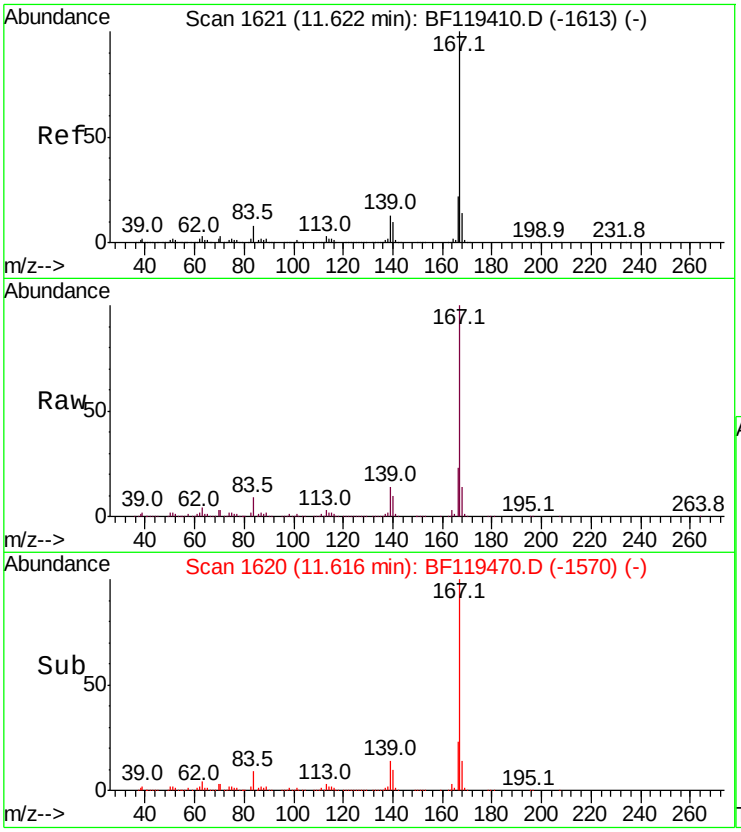


#72
Anthracene
Concen: 44.831 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:178 Resp: 2451202

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	16.3	13.1	19.7

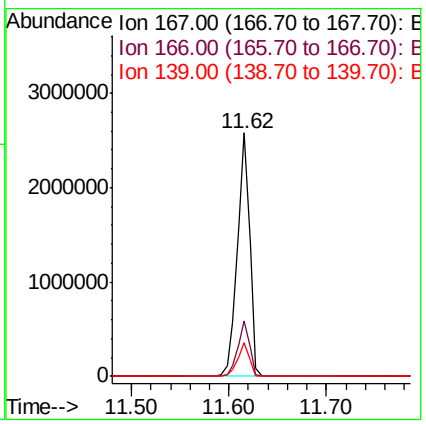




#73
Carbazole
Concen: 42.001 ng
RT: 11.62 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:167 Resp: 2273058

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.6
139	13.7	10.2	15.4



Instrument :
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ClientSampleId :
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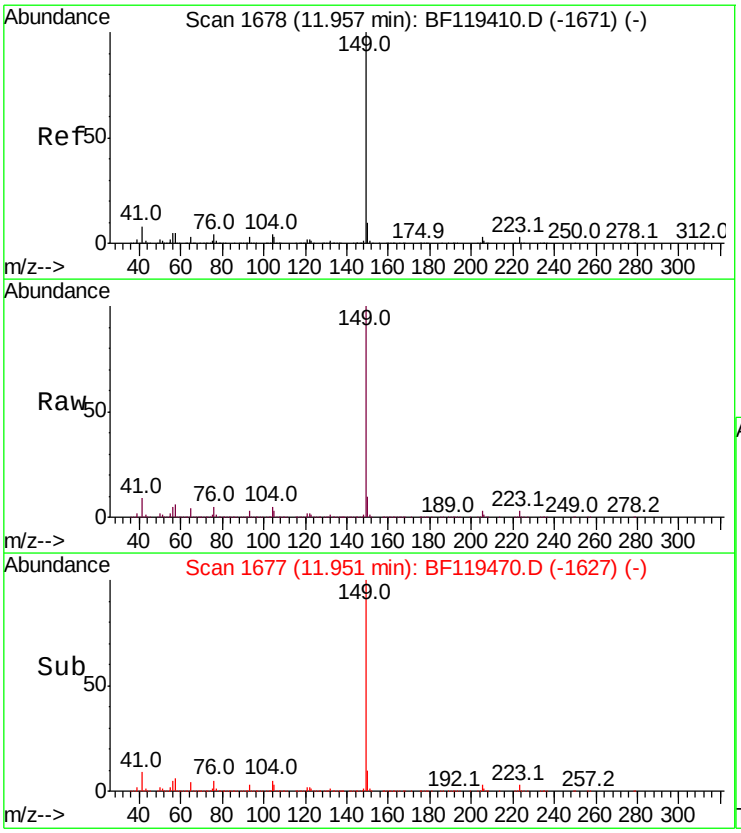
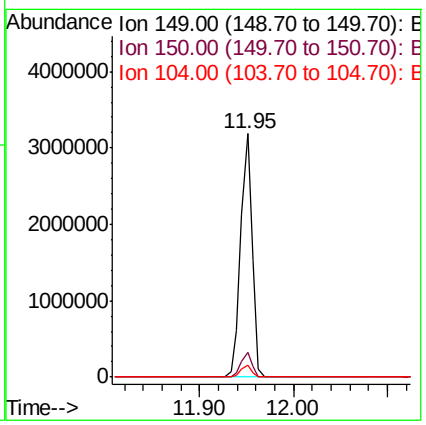
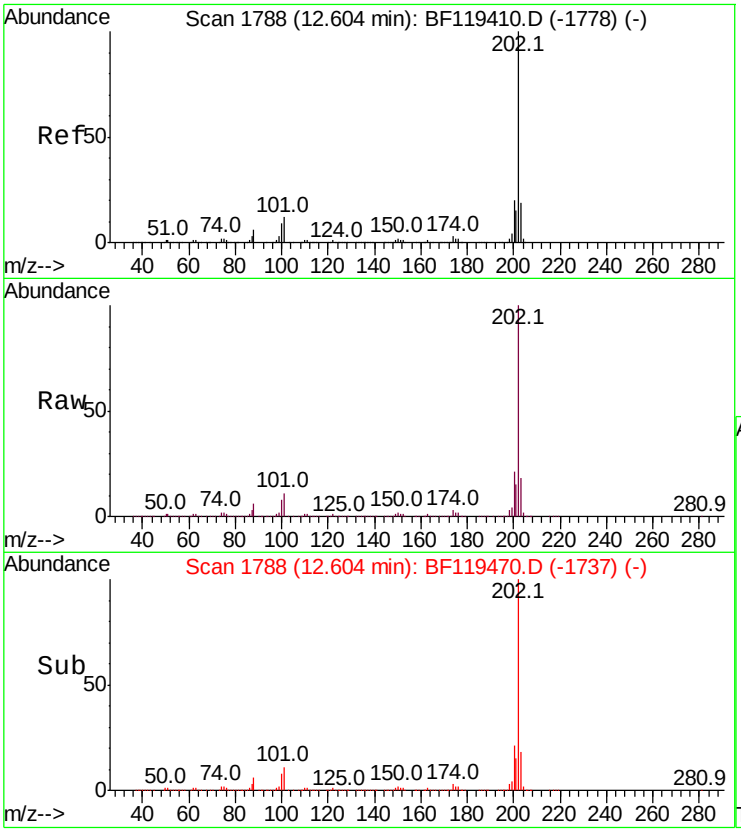


#74
Di-n-butylphthalate
Concen: 46.770 ng
RT: 11.95 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:149 Resp: 2707648

Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.6	11.4
104	4.7	3.5	5.3

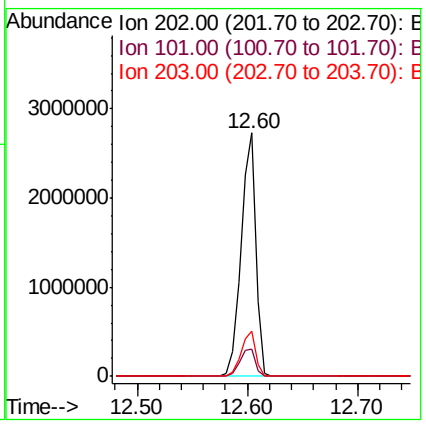




#75
Fluoranthene
Concen: 43.955 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:202 Resp: 2559091

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.4
203	18.5	0.0	38.5



Instrument :
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ClientSampleId :
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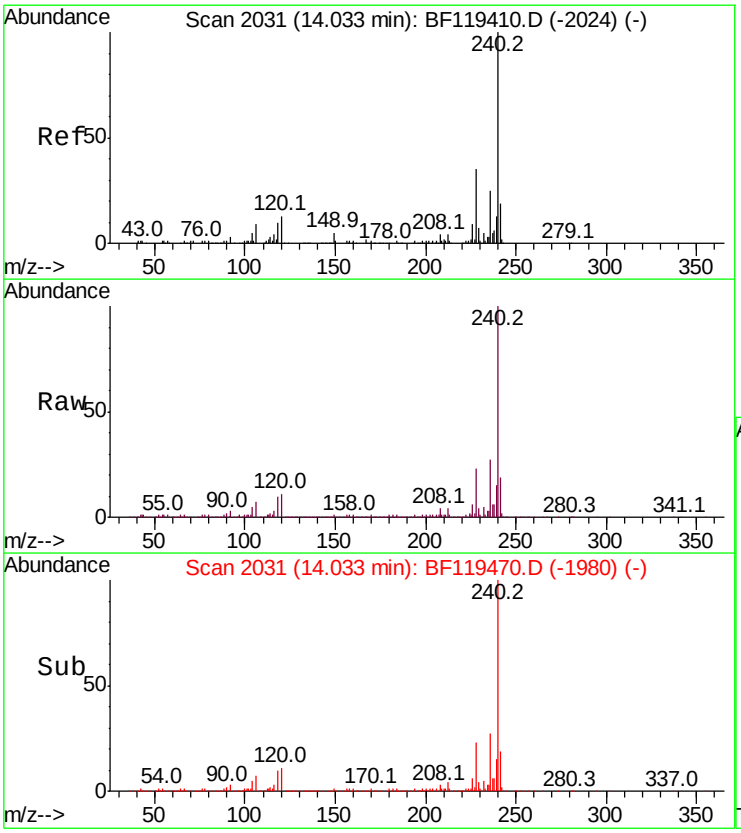
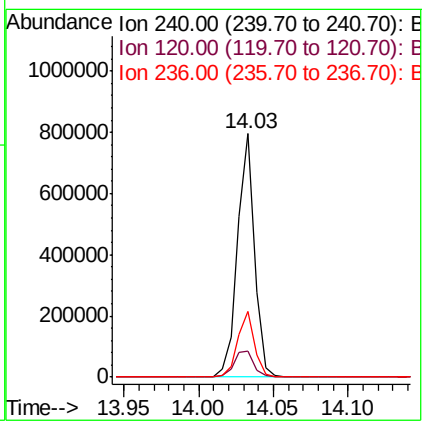
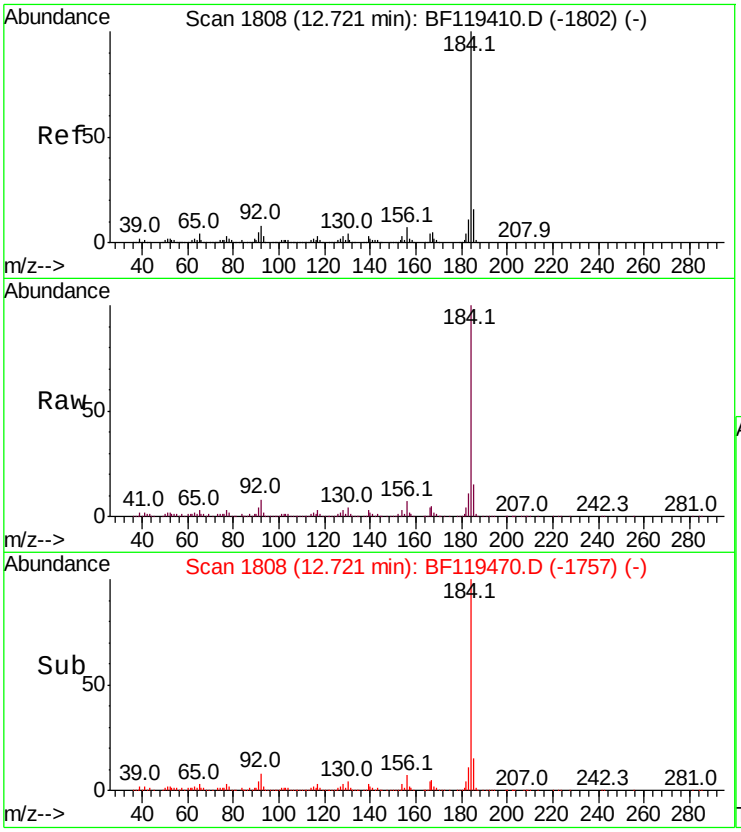


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:240 Resp: 634841

Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.2	15.4
236	27.0	20.4	30.6

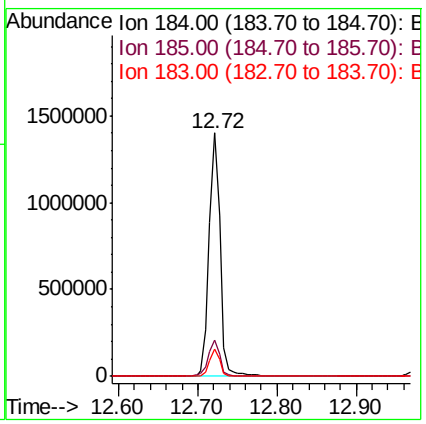




#77
Benzidine
Concen: 50.592 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:184 Resp: 1359232

Ion	Ratio	Lower	Upper
184	100		
185	14.8	12.9	19.3
183	11.3	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

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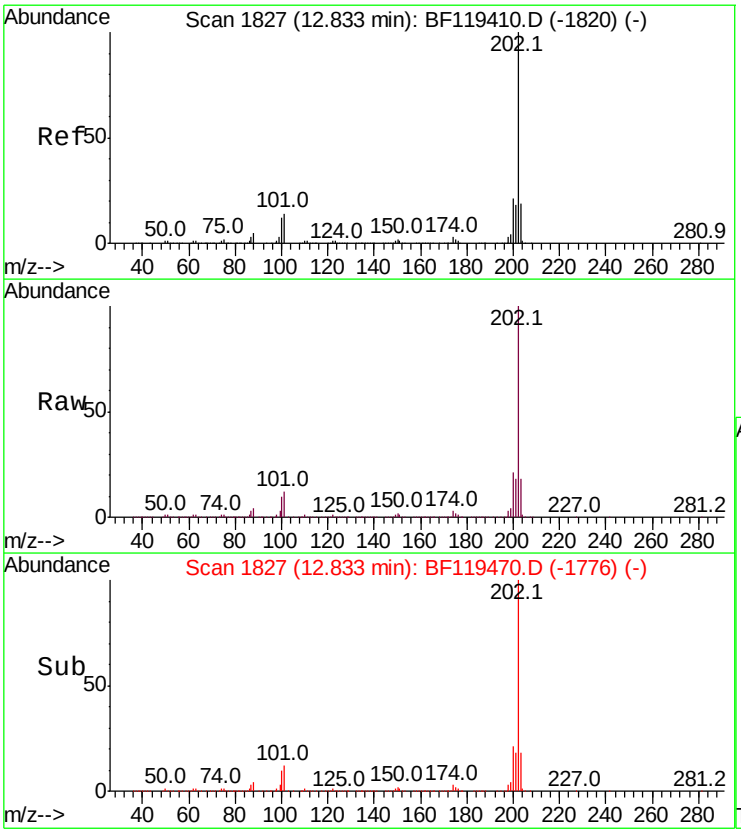
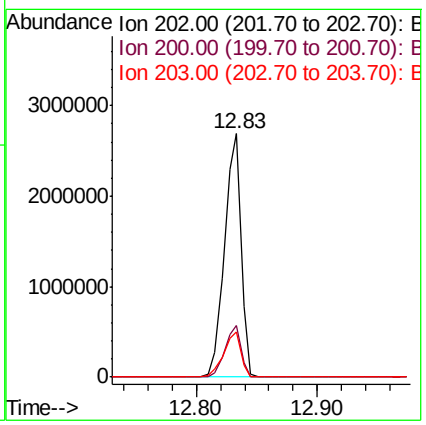
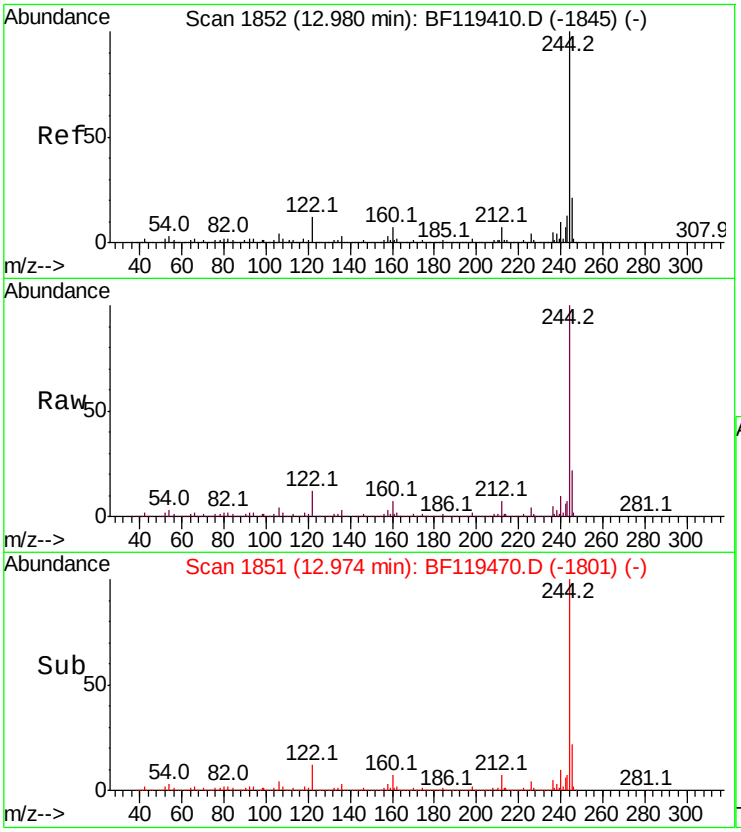


#78
Pyrene
Concen: 48.977 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:202 Resp: 2551759

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.4	14.8	22.2

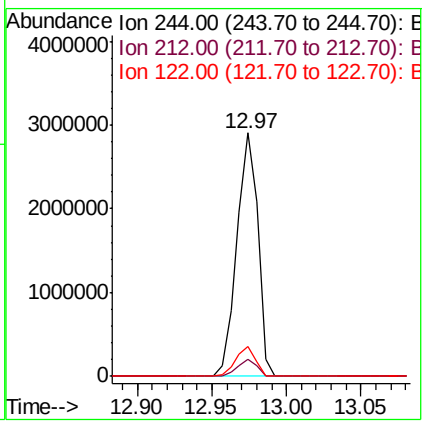




#79
Terphenyl-d14
Concen: 88.173 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:244 Resp: 2857048

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.4	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
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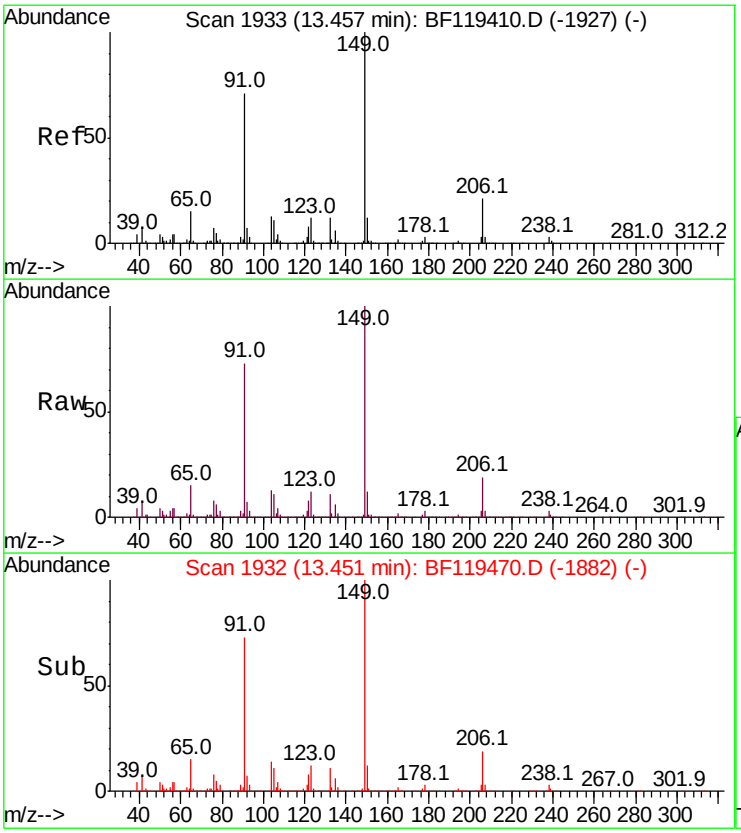
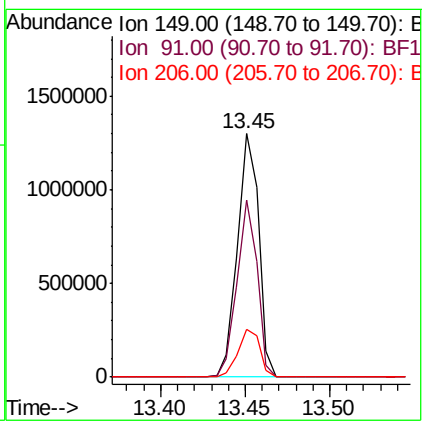
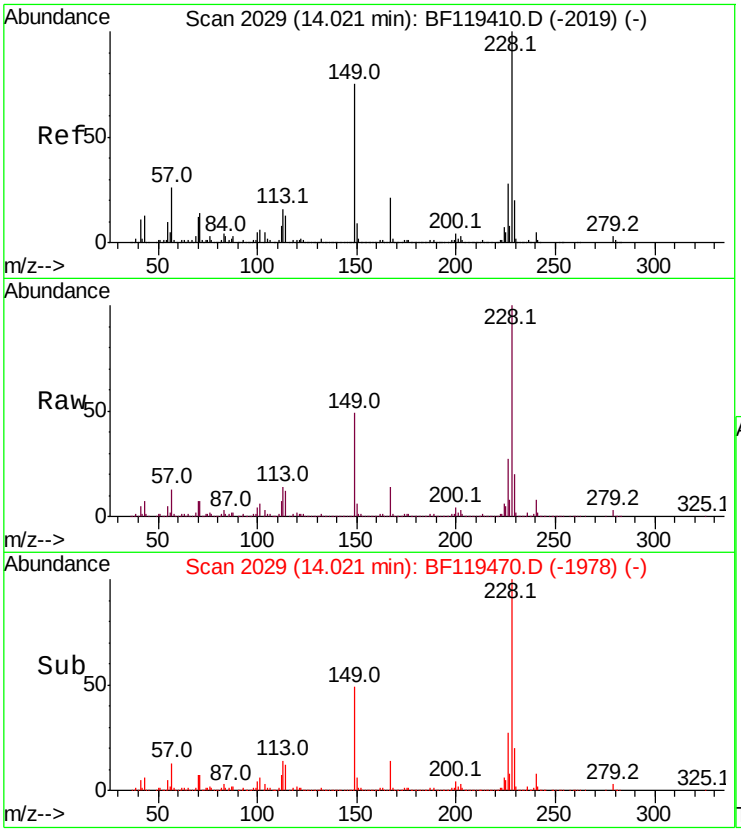


#80
Butylbenzylphthalate
Concen: 54.070 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:149 Resp: 1139379

Ion	Ratio	Lower	Upper
149	100		
91	72.8	57.0	85.6
206	19.5	16.4	24.6

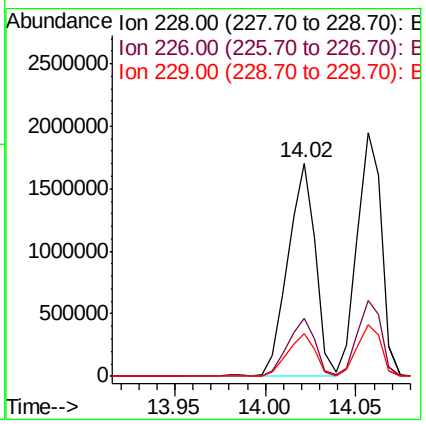




#81
Benzo(a)anthracene
Concen: 44.051 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:228 Resp: 1818544

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	19.8	16.3	24.5



Instrument :
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ClientSampleId :
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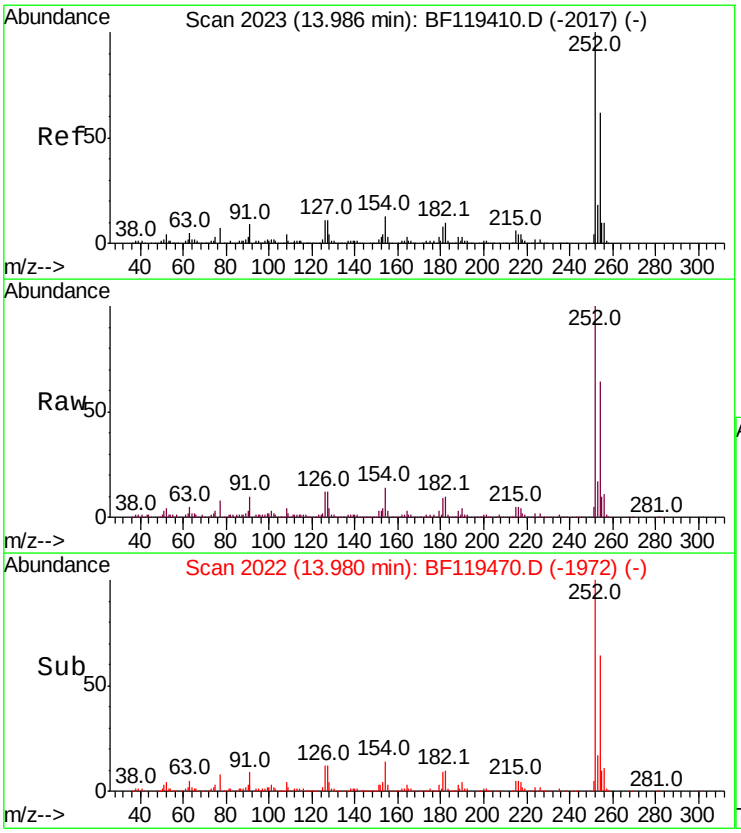
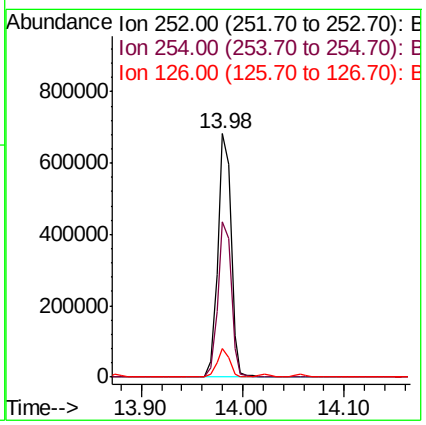
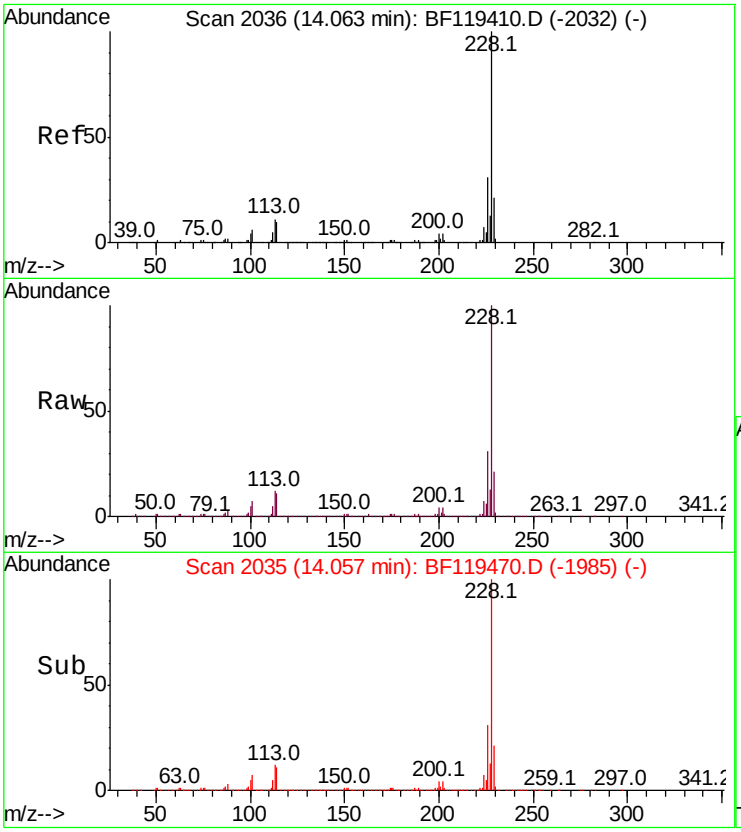


#82
3,3'-Dichlorobenzidine
Concen: 38.499 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:252 Resp: 626657

Ion	Ratio	Lower	Upper
252	100		
254	63.7	49.8	74.8
126	12.0	8.9	13.3

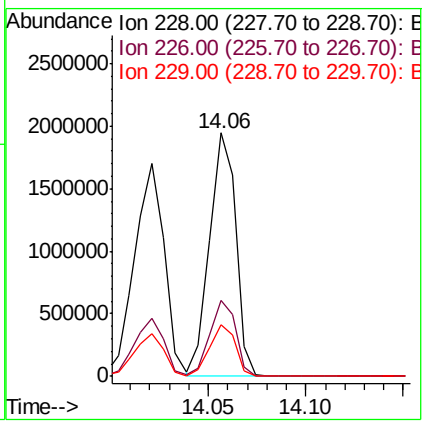




#83
Chrysene
Concen: 42.780 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:228 Resp: 1822663

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.8	37.2
229	21.1	16.6	25.0



Instrument :
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ClientSampleId :
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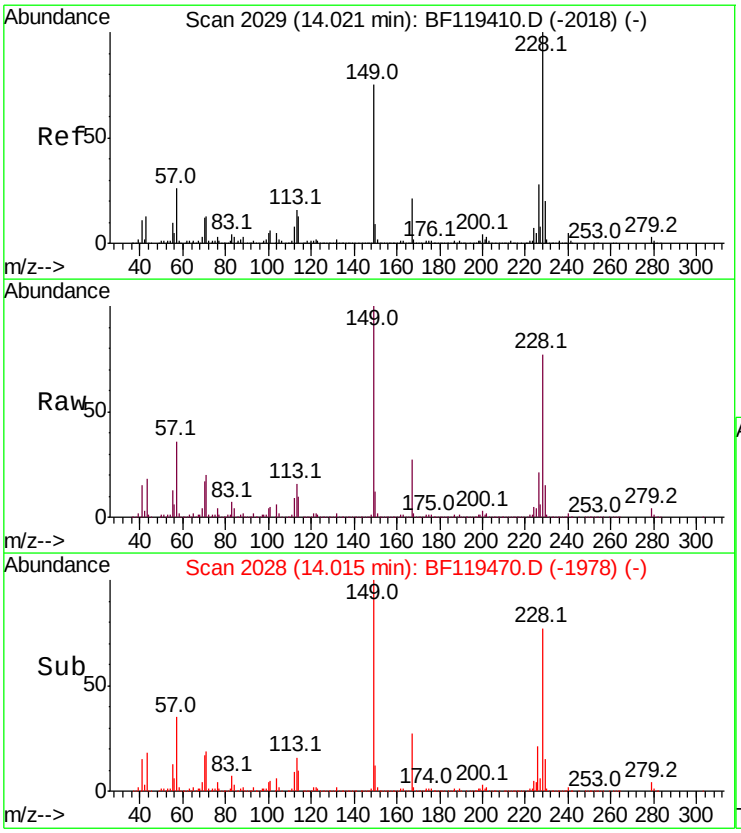
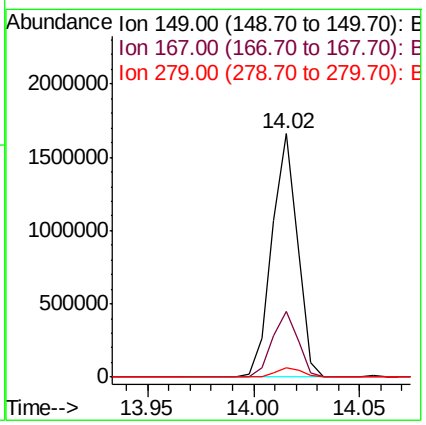
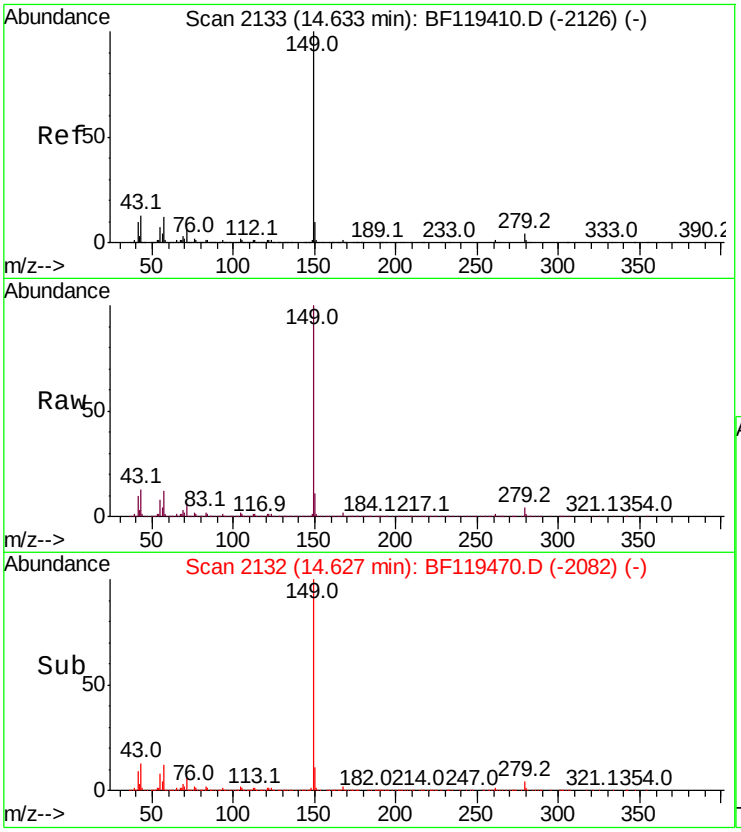


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.596 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:149 Resp: 1396576

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.0	33.0
279	3.9	3.2	4.8

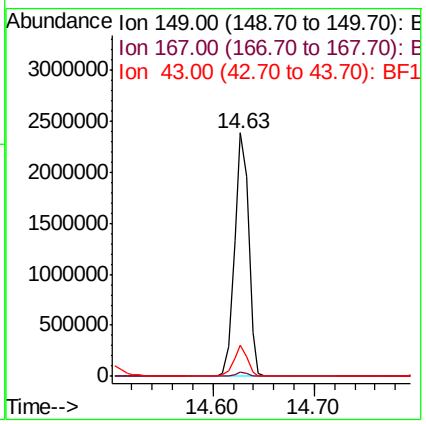




#85
Di-n-octyl phthalate
Concen: 51.824 ng
RT: 14.63 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:149 Resp: 2289516

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.9	10.1	15.1



Instrument :
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ClientSampleId :
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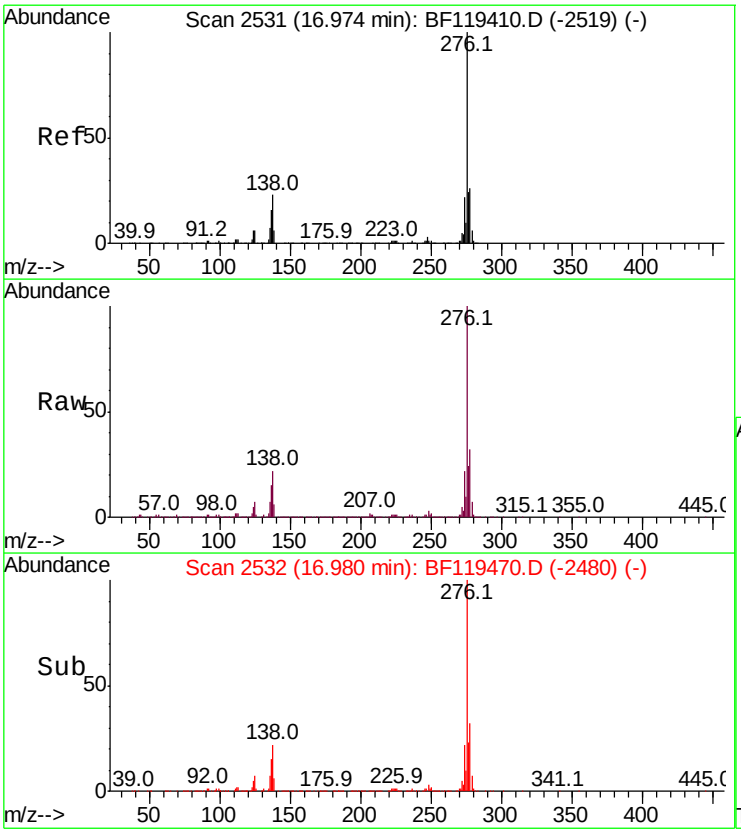
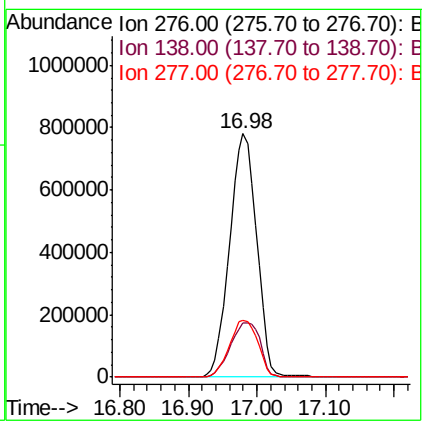
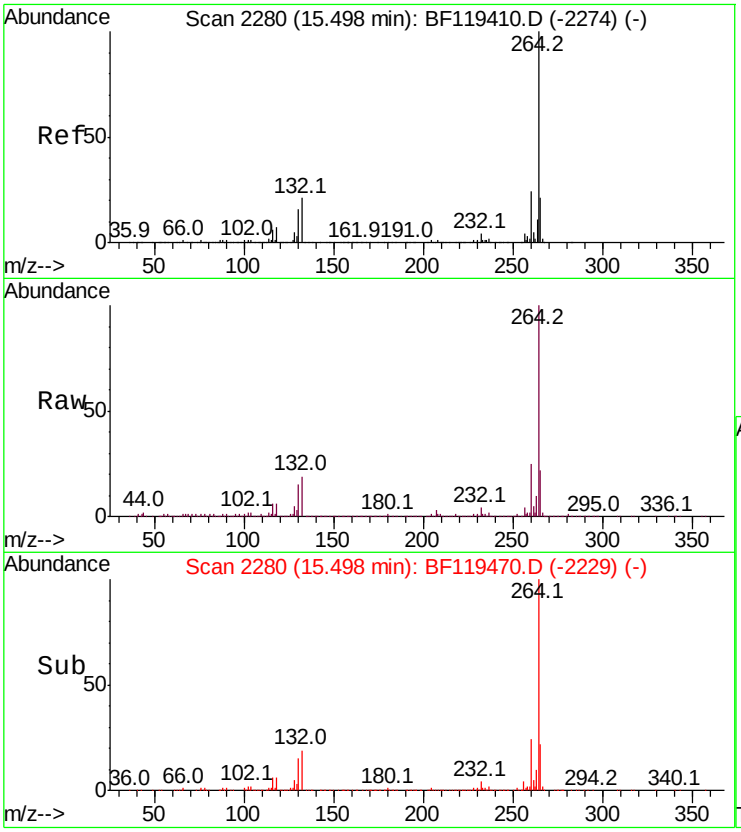


#86
Indeno(1,2,3-cd)pyrene
Concen: 53.096 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:276 Resp: 2130525

Ion	Ratio	Lower	Upper
276	100		
138	24.8	21.3	31.9
277	24.9	20.2	30.2

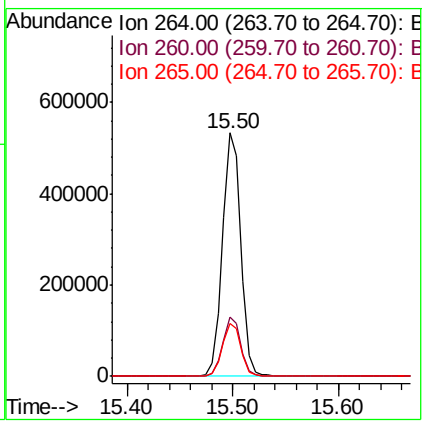




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:264 Resp: 642192

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.9	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

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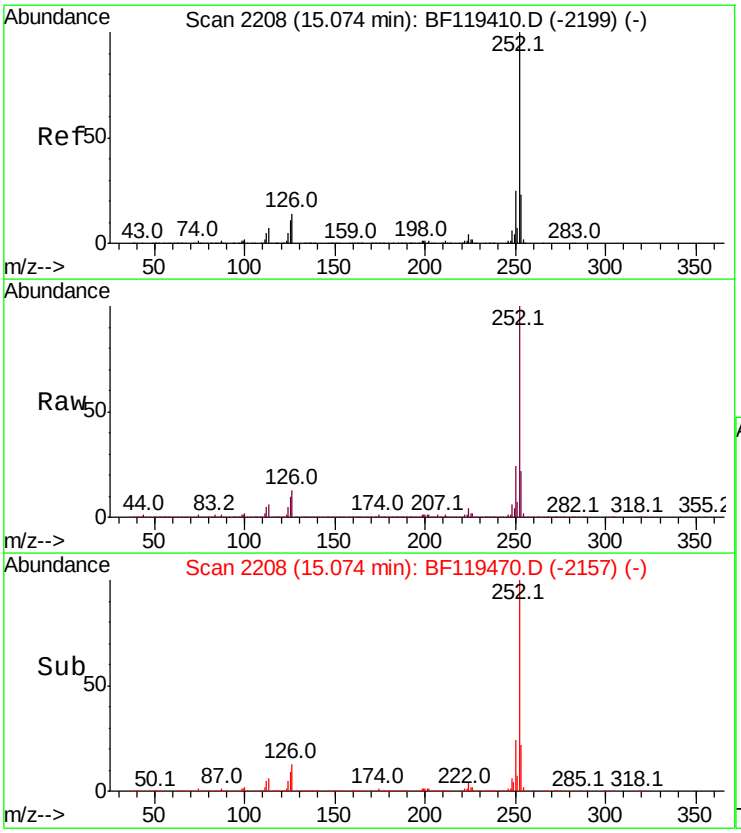
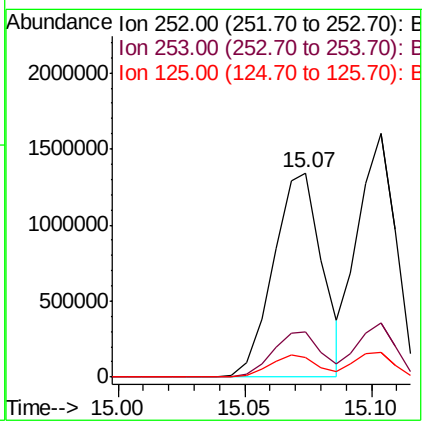
3/23/2020 9:40:38 AM

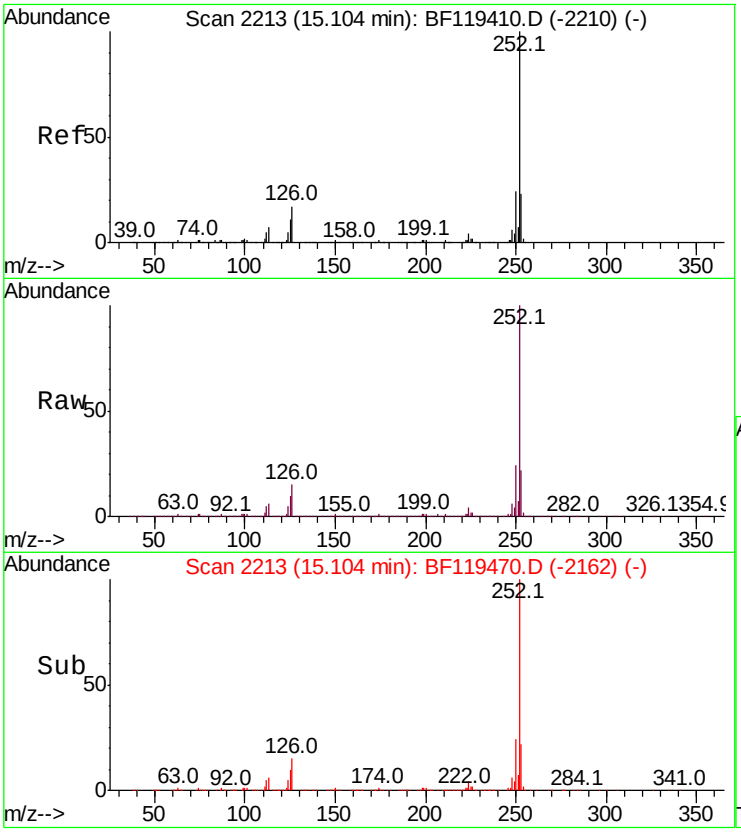


#88
Benzo(b)fluoranthene
Concen: 42.066 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:252 Resp: 1804557

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	9.5	8.8	13.2

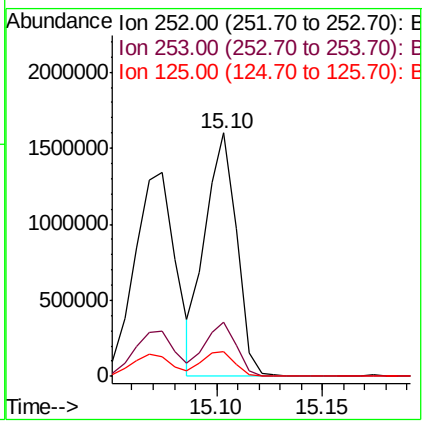




#89
Benzo(k)fluoranthene
Concen: 40.715 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

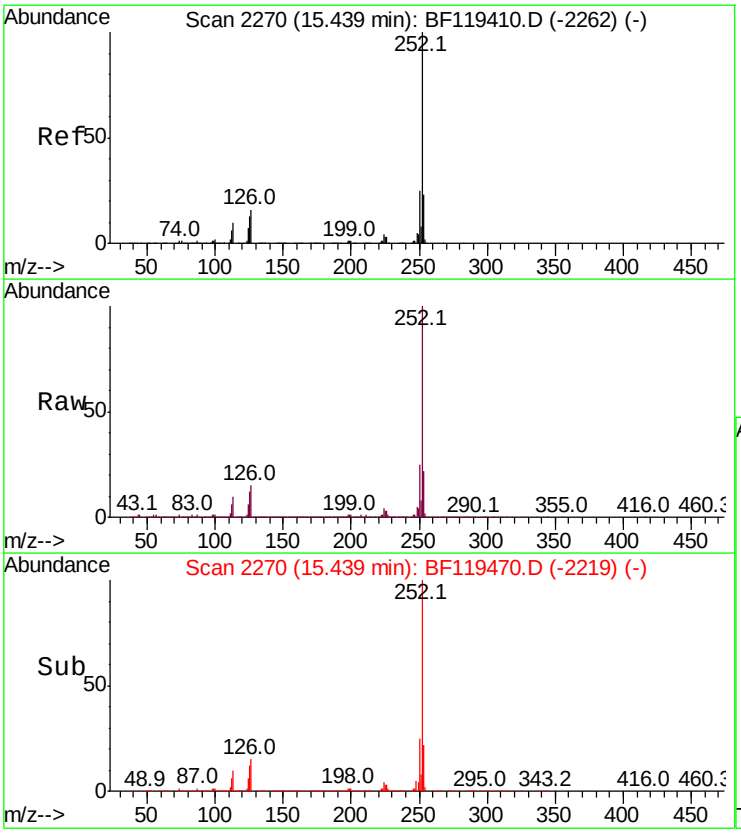
Tgt Ion:252 Resp: 1663120

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	10.2	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

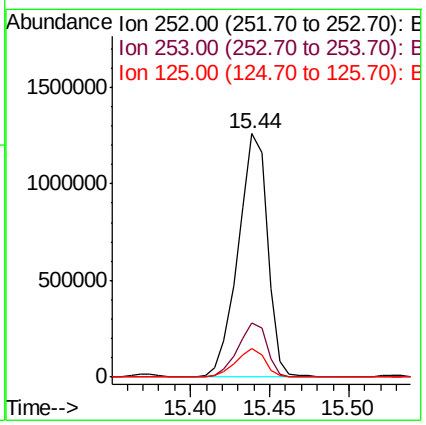
Manual Integrations APPROVED
mohammad
3/23/2020 9:40:38 AM

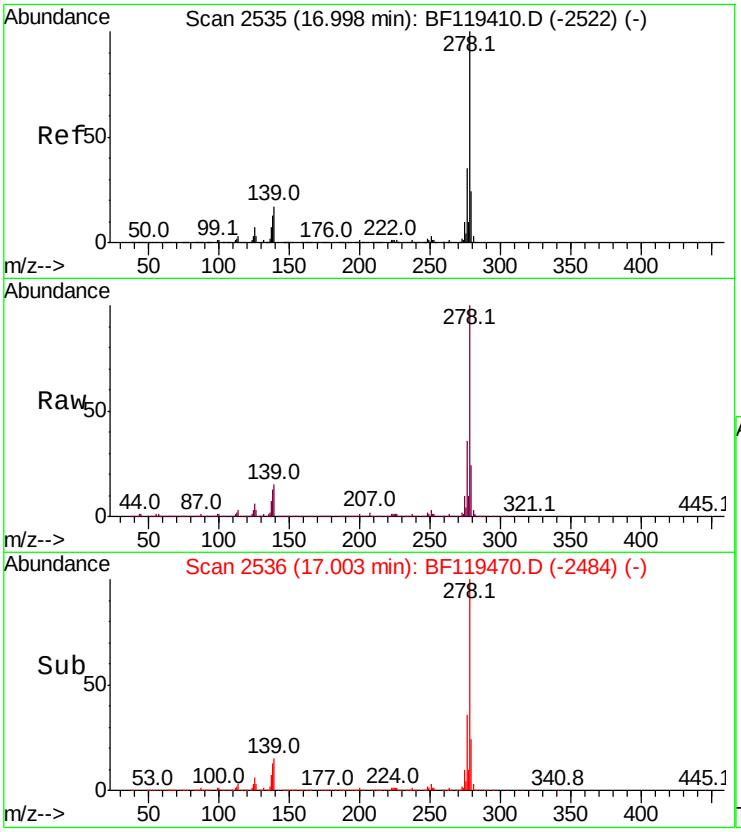


#90
Benzo(a)pyrene
Concen: 41.499 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:252 Resp: 1617866

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	12.0	10.2	15.2

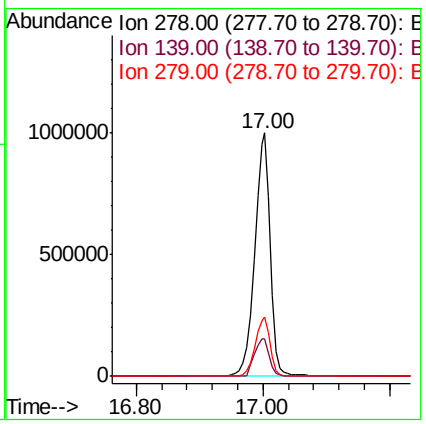




#91
Dibenzo(a,h)anthracene
Concen: 51.130 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:278 Resp: 1743508

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.7	20.5
279	24.1	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
BU-02-031920MS

Manual Integrations APPROVED
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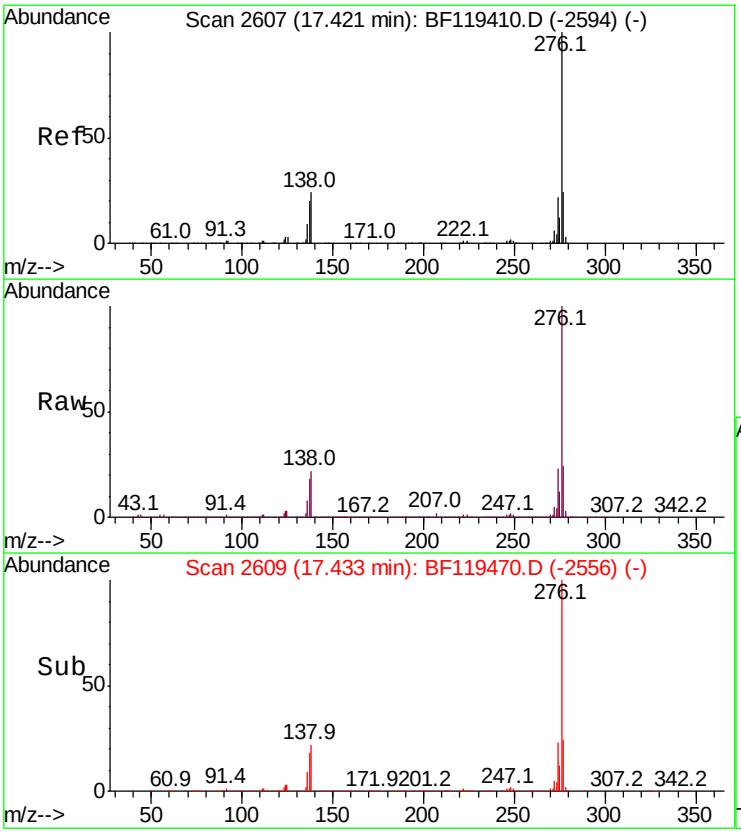
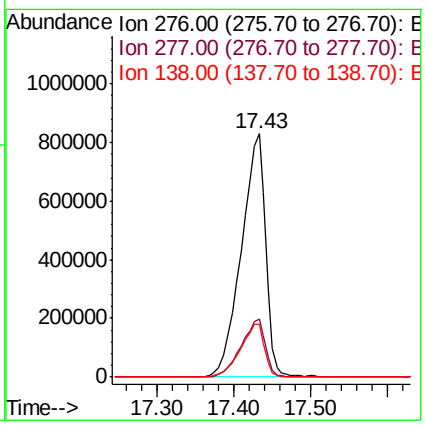


#92
Benzo(g,h,i)perylene
Concen: 53.427 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.01 min
Lab File: BF119470.D
Acq: 20 Mar 2020 14:14

Tgt Ion:276 Resp: 1830244

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	21.6	19.1	28.7