

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119723.D
 Acq On : 3 Apr 2020 17:02
 Operator : MA/SJ
 Sample : L2109-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPARATOR-1

Quant Time: Apr 03 17:32:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	240643	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	929387	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	479717	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	901457	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	672380	20.00	ng	-0.02
87) Perylene-d12	15.43	264	573186	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	2010179	132.98	ng	0.02
7) Phenol-d6	6.44	99	2480004	128.43	ng	0.00
23) Nitrobenzene-d5	7.37	82	1705054	99.71	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	785656	158.75	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2984234	92.16	ng	-0.01
79) Terphenyl-d14	12.93	244	3358081	97.85	ng	-0.01

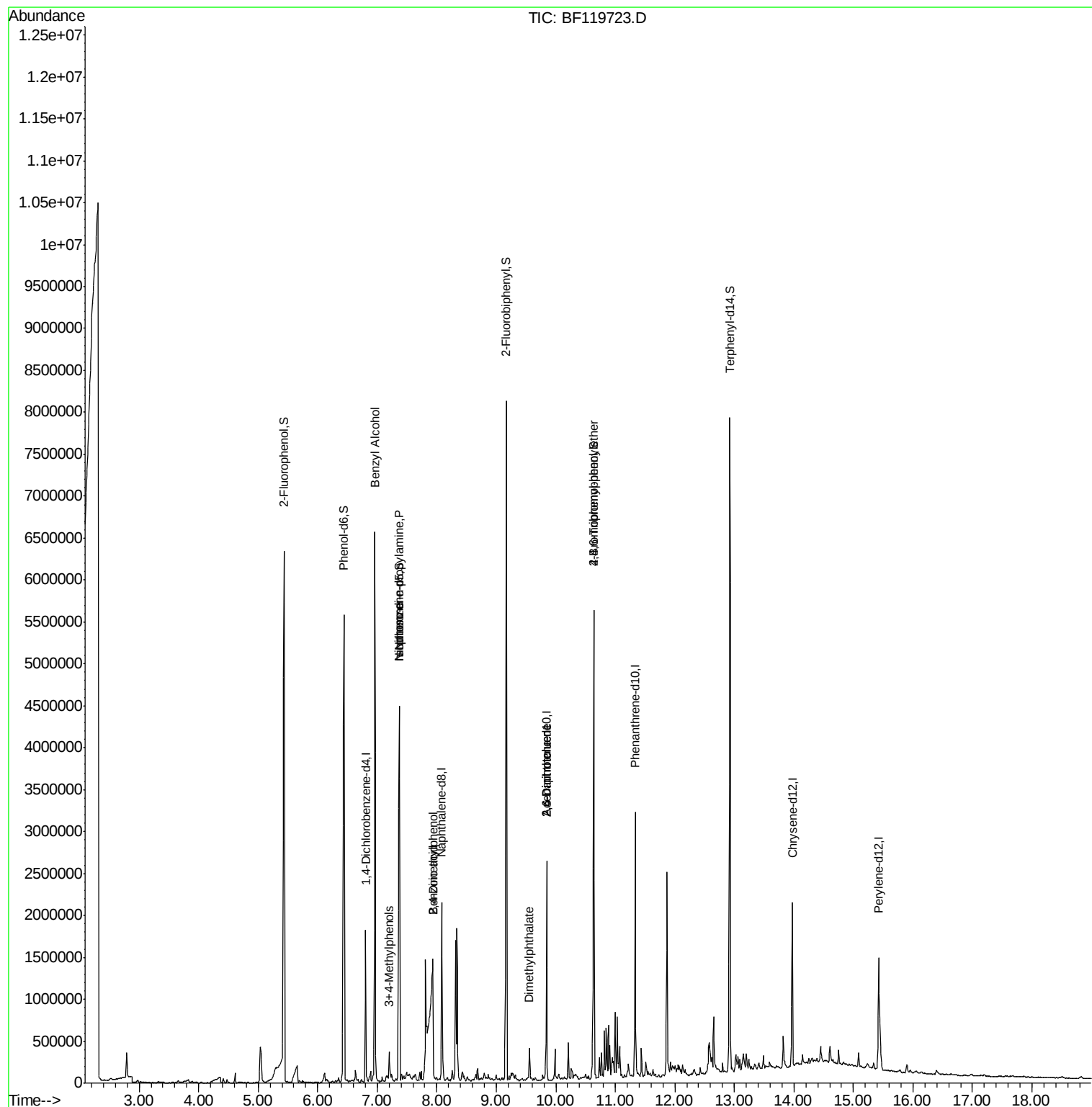
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.96	79	32607	2.245	ng	# 53
19) n-Nitroso-di-n-propylamine	7.37	70	224316	19.272	ng	# 74
20) 3+4-Methylphenols	7.20	107	77015	4.320	ng	# 77
25) Isophorone	7.37	82	1703363	49.103	ng	# 65
27) 2,4-Dimethylphenol	7.95	122	1384537	93.054	ng	# 5
32) Benzoic acid	7.95	122	1385074	144.716	ng	98
50) Dimethylphthalate	9.56	163	133484	3.917	ng	100
51) 2,6-Dinitrotoluene	9.85	165	63019	8.628	ng	# 26
57) 2,4-Dinitrotoluene	9.85	165	63019	6.849	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	46879	4.566	ng	# 1

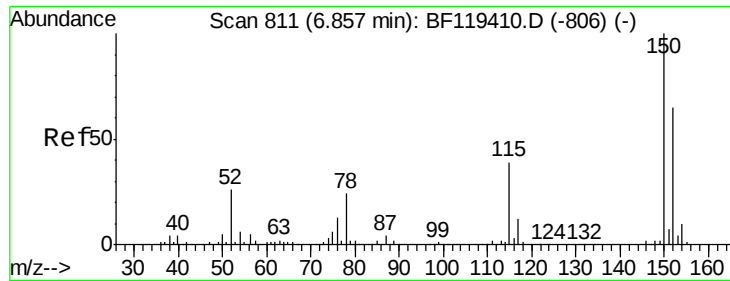
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

Instrument :

BNA_F

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OIL-WATER-SEPARATOR-1

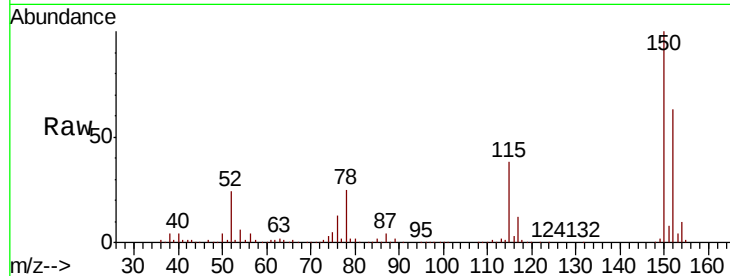
Tot Ion:152 Resp: 240643

Ion Ratio Lower Upper

152 100

150 158.3 124.5 186.7

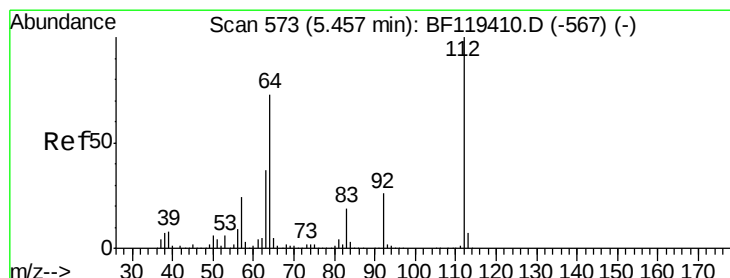
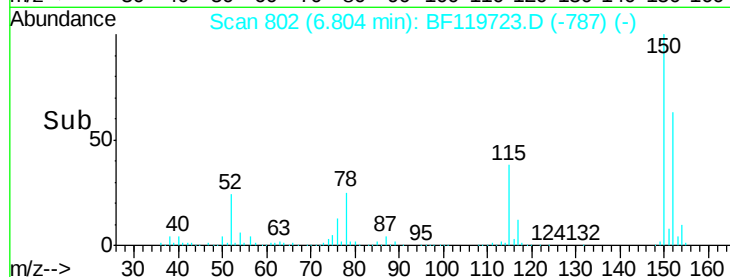
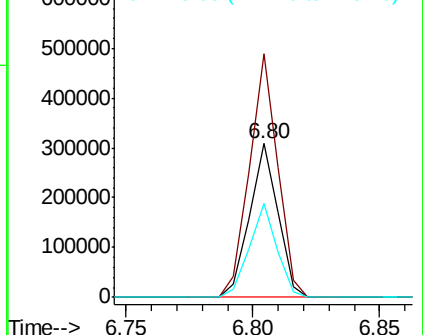
115 60.7 49.6 74.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 132.978 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

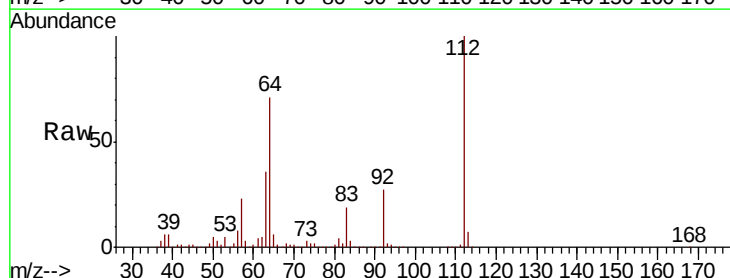
Tgt Ion:112 Resp: 2010179

Ion Ratio Lower Upper

112 100

64 70.6 56.7 85.1

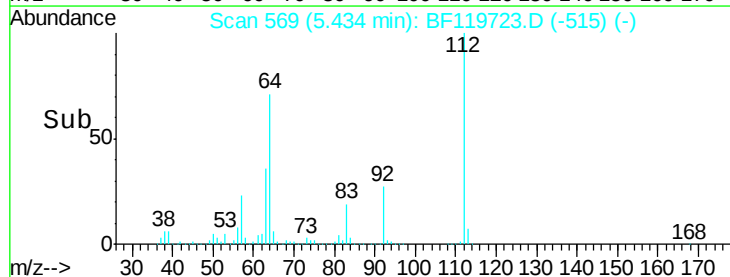
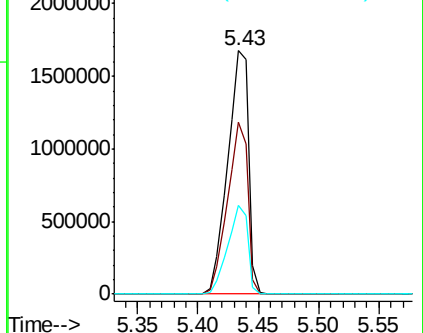
63 36.3 29.5 44.3

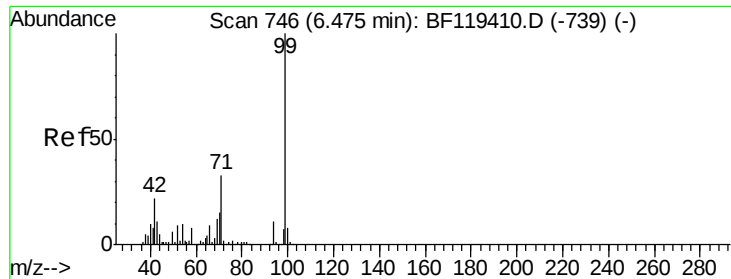


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 128.428 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR-1

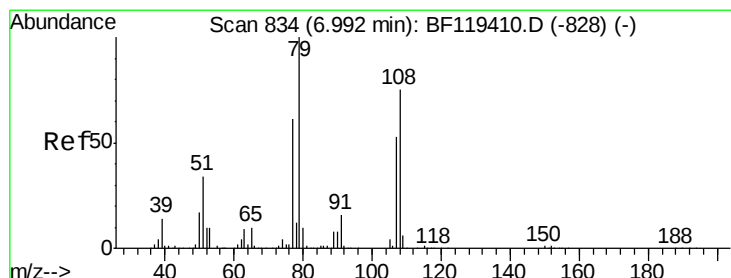
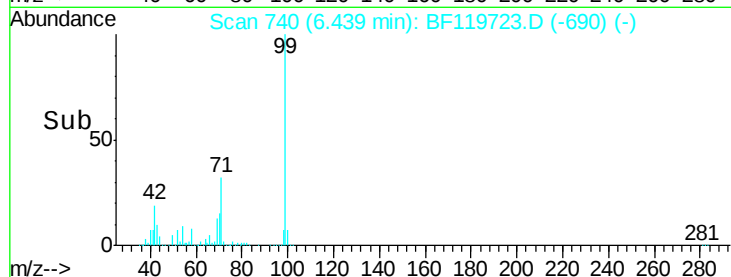
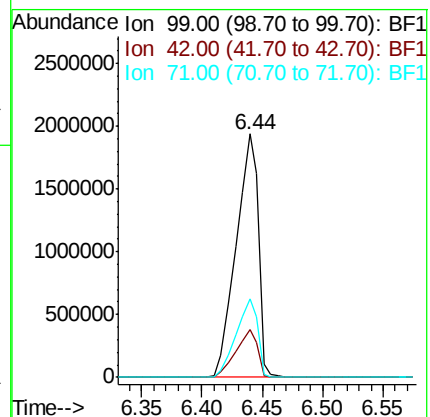
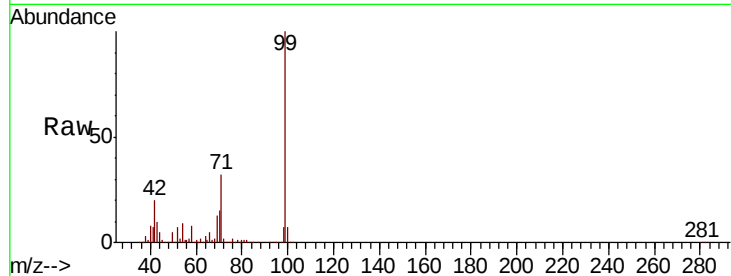
Tot Ion: 99 Resp: 2480004

Ion Ratio Lower Upper

99 100

42 19.5 16.6 24.8

71 32.5 26.4 39.6



#15

Benzyl Alcohol

Concen: 2.245 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

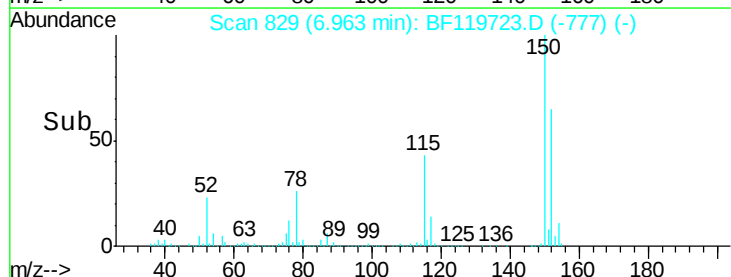
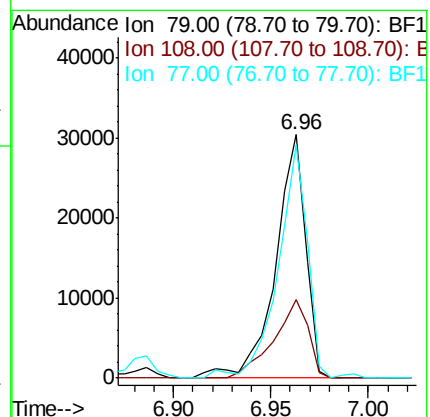
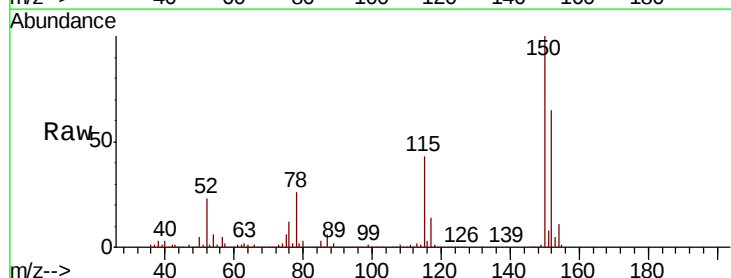
Tgt Ion: 79 Resp: 32607

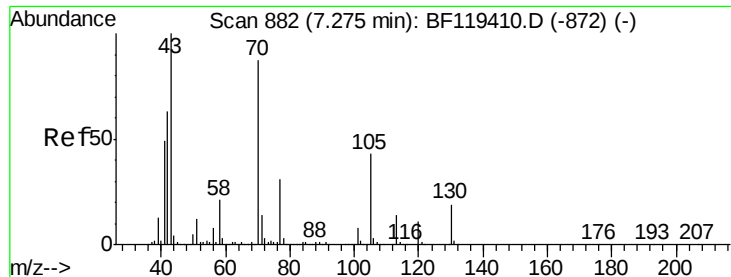
Ion Ratio Lower Upper

79 100

108 32.3 60.6 90.8#

77 95.6 50.2 75.2#

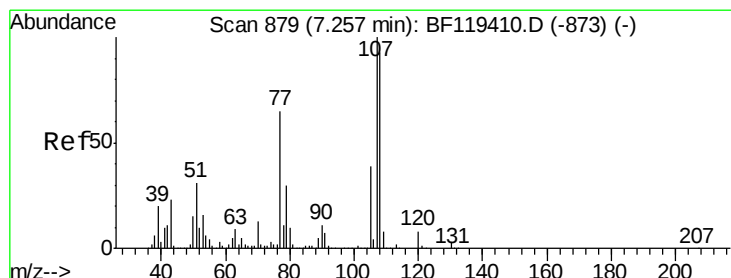
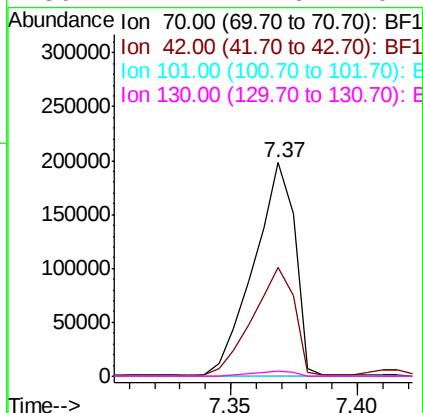
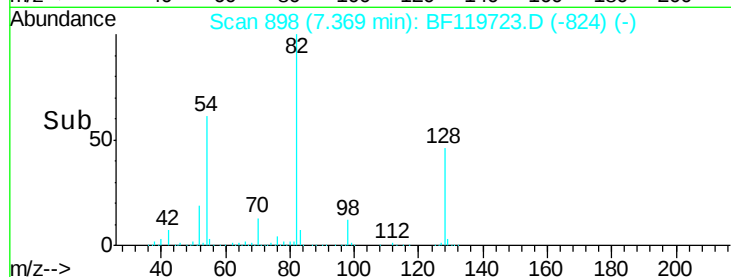
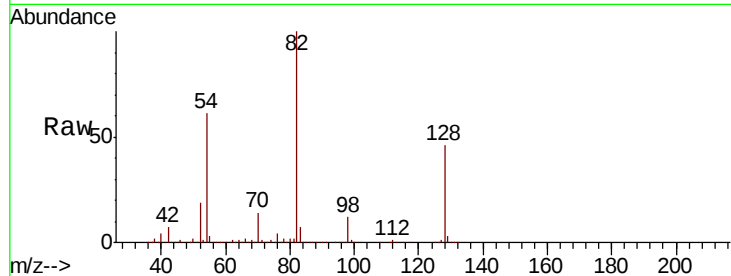




#19
n-Nitroso-di-n-propylamine
Concen: 19.272 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF119723.D
Acq: 3 Apr 2020 17:02

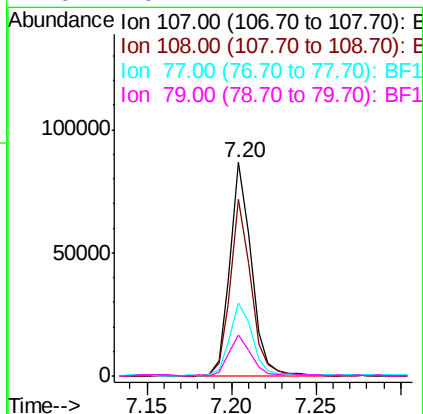
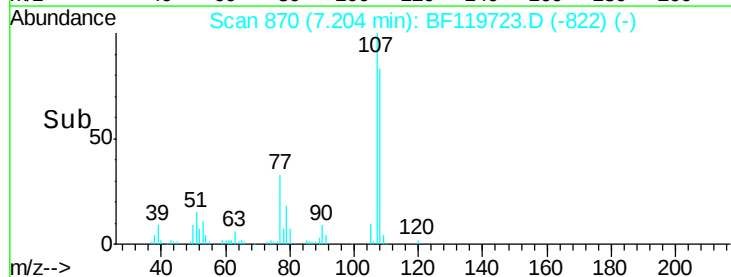
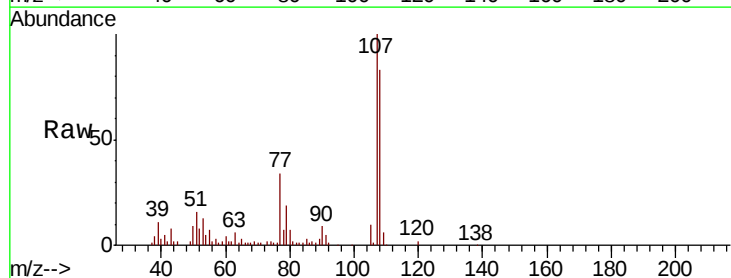
Instrument :
BNA_F
ClientSampleId :
OIL-WATER-SEPARATOR-1

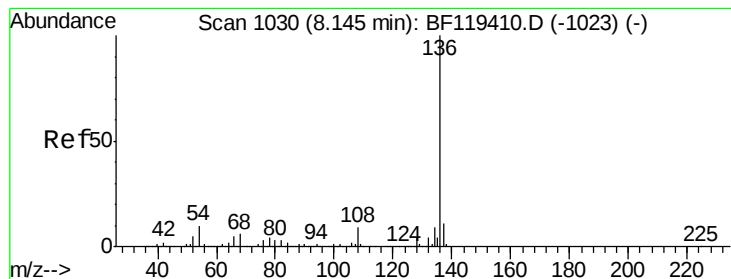
Tot Ion: 70 Resp: 224316
Ion Ratio Lower Upper
70 100
42 51.1 54.5 81.7#
101 0.0 7.6 11.4#
130 2.2 17.6 26.4#



#20
3+4-Methylphenols
Concen: 4.320 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.02 min
Lab File: BF119723.D
Acq: 3 Apr 2020 17:02

Tgt Ion:107 Resp: 77015
Ion Ratio Lower Upper
107 100
108 82.9 67.9 107.9
77 34.3 52.9 92.9#
79 19.4 7.7 47.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR-1

Tot Ion:136 Resp: 929387

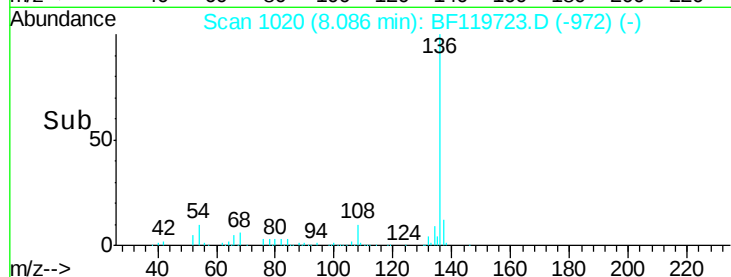
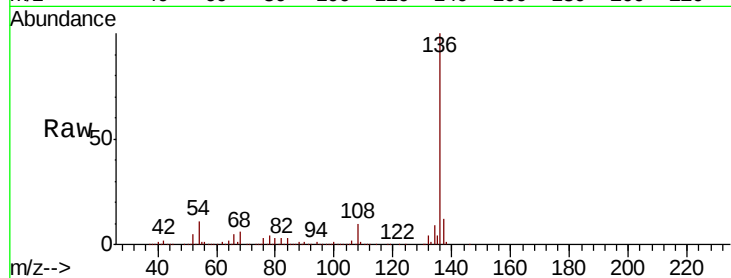
Ion Ratio Lower Upper

136 100

137 11.6 8.7 13.1

54 10.6 9.1 13.7

68 5.9 4.6 6.8

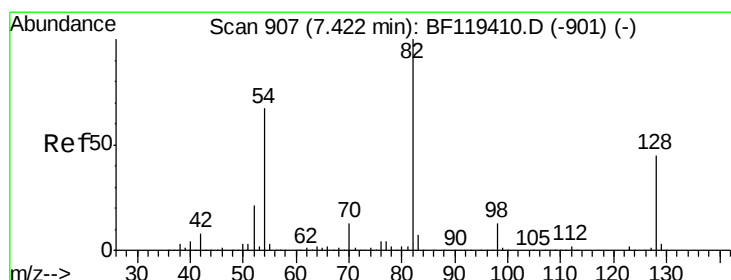
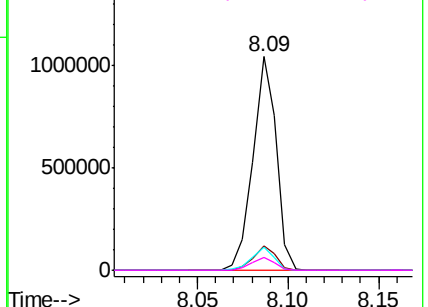


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 99.707 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

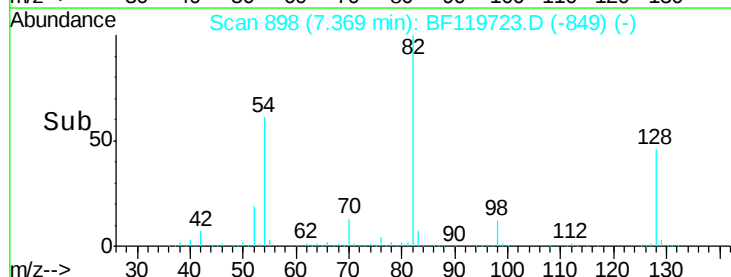
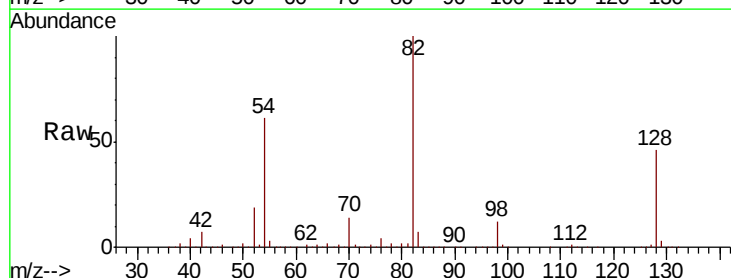
Tgt Ion: 82 Resp: 1705054

Ion Ratio Lower Upper

82 100

128 46.4 36.3 54.5

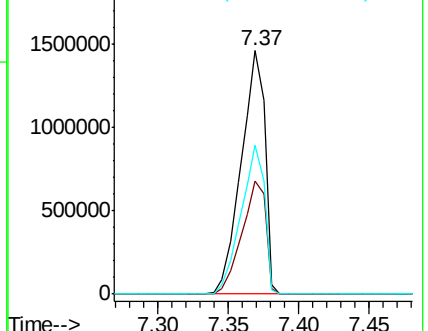
54 61.3 50.6 75.8

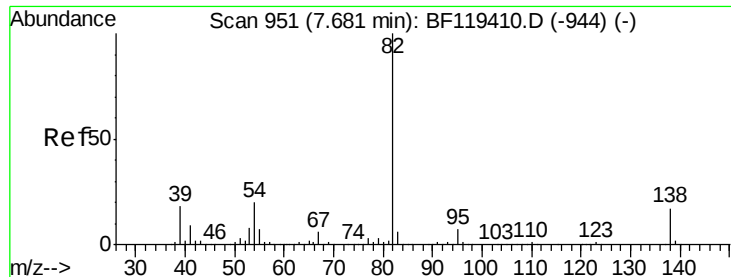


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.103 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

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BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR-1

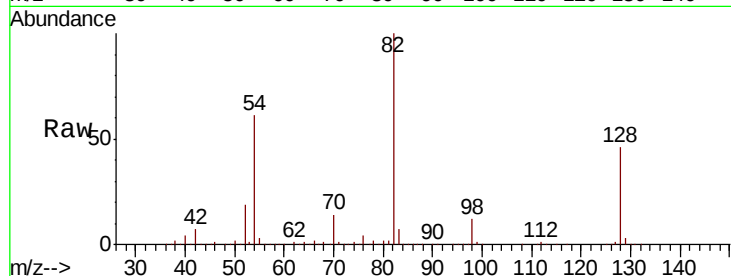
Tot Ion: 82 Resp: 1703363

Ion Ratio Lower Upper

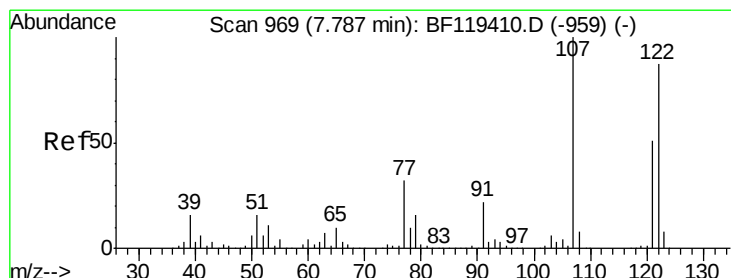
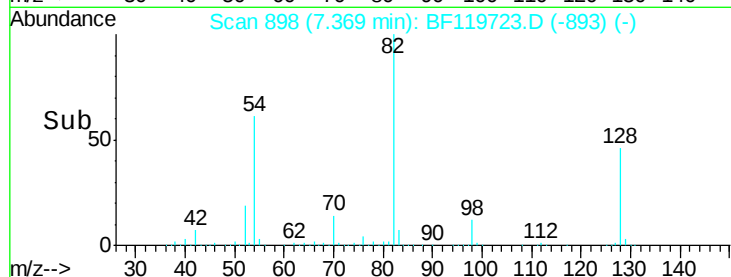
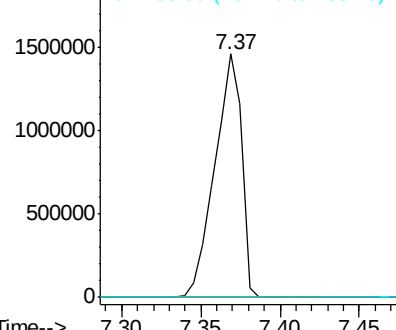
82 100

95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#27

2,4-Dimethylphenol

Concen: 93.054 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.19 min

Lab File: BF119723.D

Acq: 3 Apr 2020 17:02

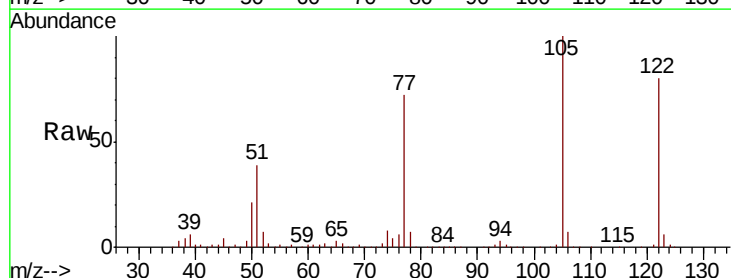
Tgt Ion:122 Resp: 1384537

Ion Ratio Lower Upper

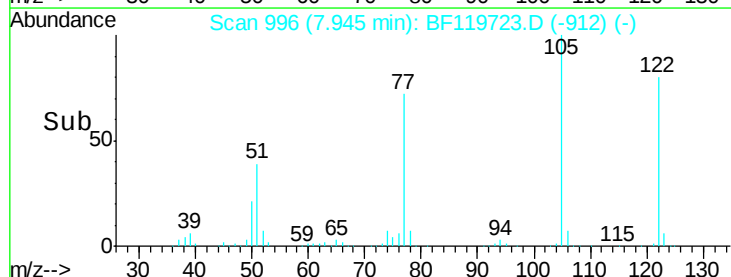
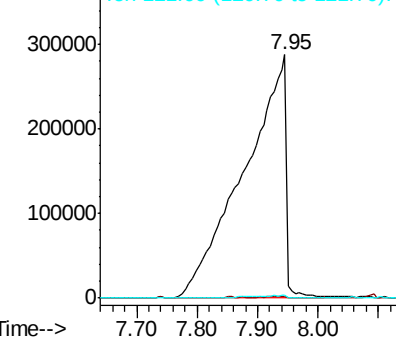
122 100

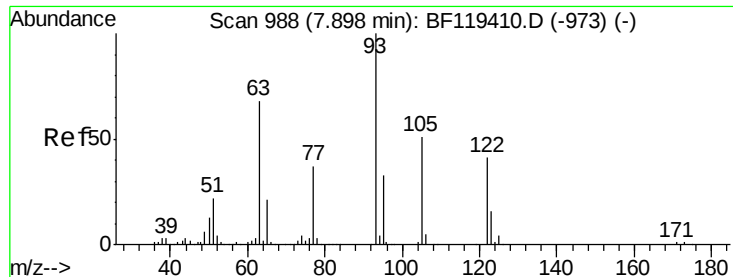
107 0.6 89.0 133.6#

121 1.0 46.7 70.1#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

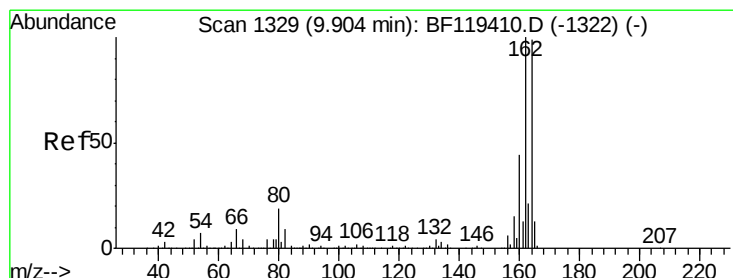
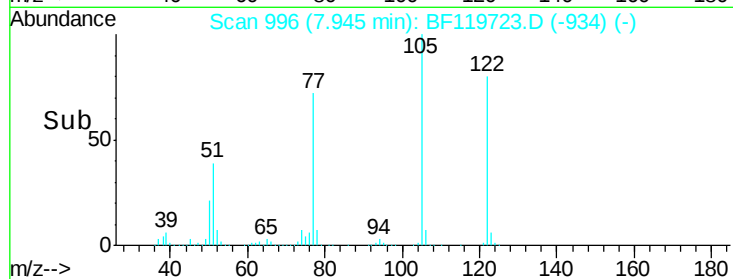
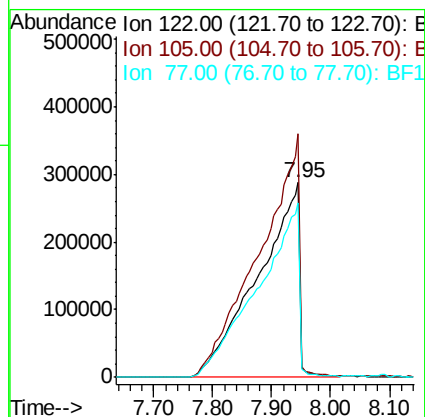
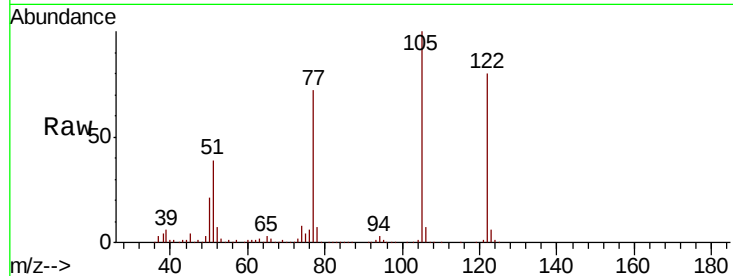




#32
Benzoic acid
Concen: 144.716 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.06 min
Lab File: BF119723.D
Acq: 3 Apr 2020 17:02

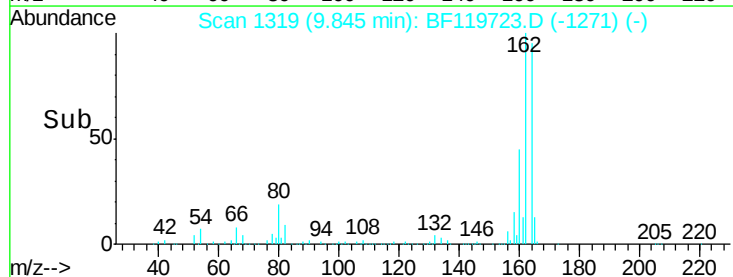
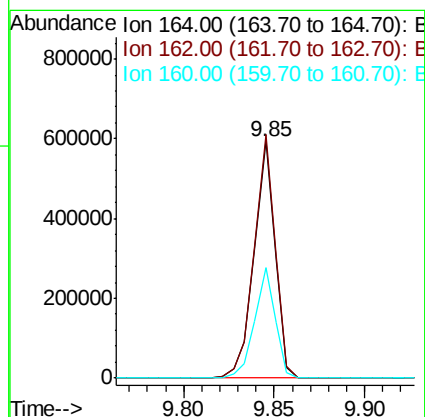
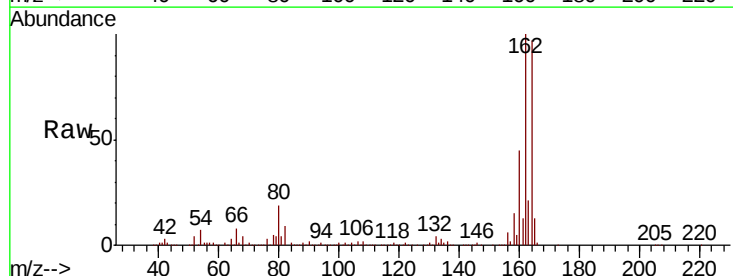
Instrument :
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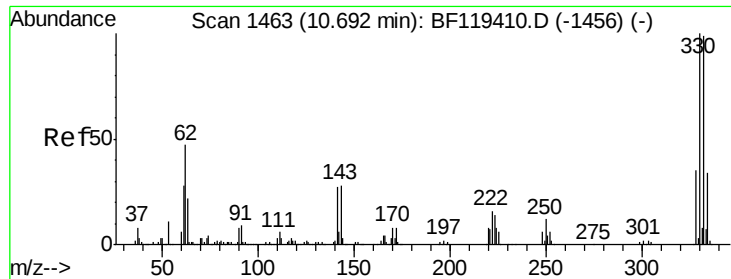
Tot Ion:122 Resp: 1385074
Ion Ratio Lower Upper
122 100
105 125.0 104.9 144.9
77 89.9 74.4 114.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF119723.D
Acq: 3 Apr 2020 17:02

Tgt Ion:164 Resp: 479717
Ion Ratio Lower Upper
164 100
162 102.9 80.6 121.0
160 46.5 35.7 53.5

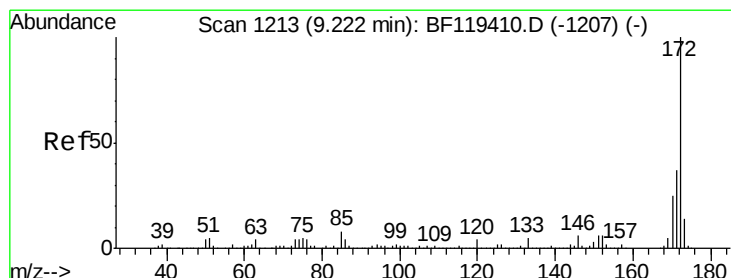
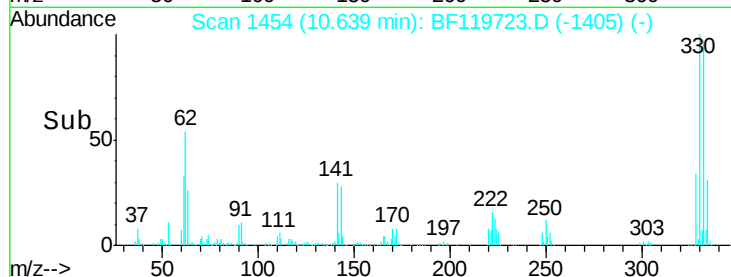
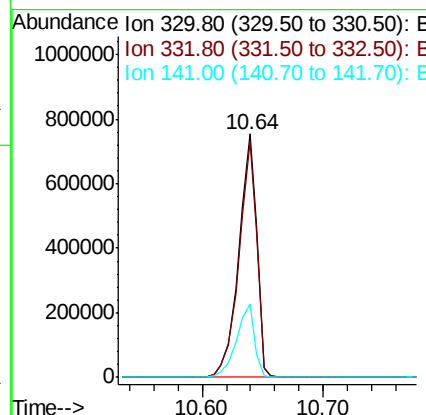
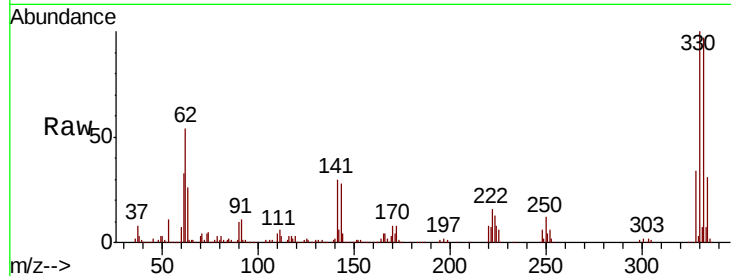




#42
 2,4,6-Tribromophenol
 Concen: 158.748 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

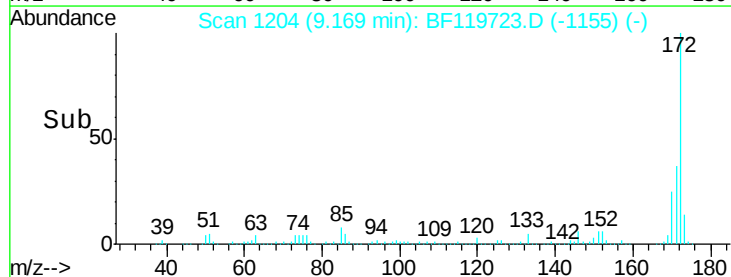
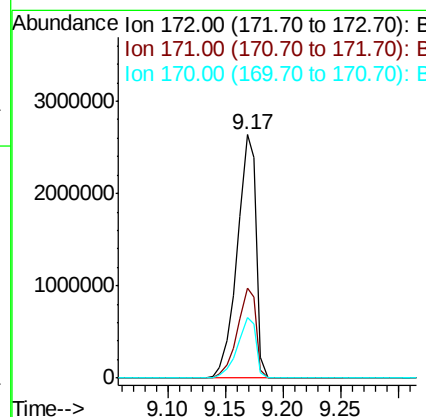
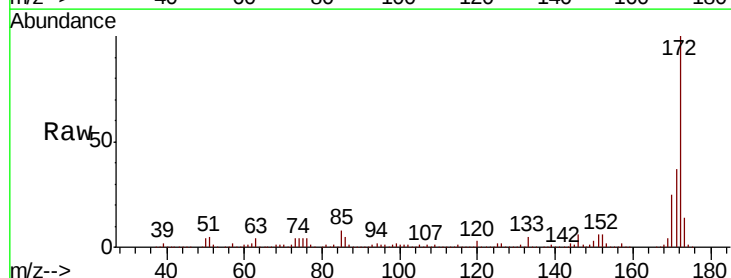
Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPARATOR-1

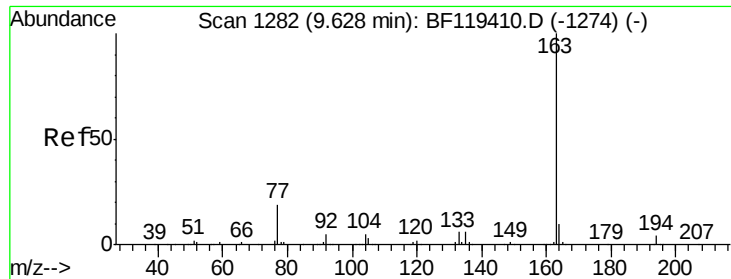
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.7	113.5
141	30.1	25.4	38.0



#45
 2-Fluorobiphenyl
 Concen: 92.160 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.6	44.4
170	24.8	20.2	30.2

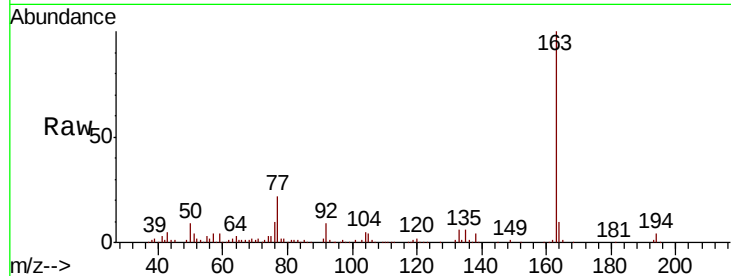




#50
Dimethylphthalate
Concen: 3.917 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF119723.D
Acq: 3 Apr 2020 17:02

Instrument :
BNA_F
ClientSampleId :
OIL-WATER-SEPARATOR-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.0	8.2	12.2

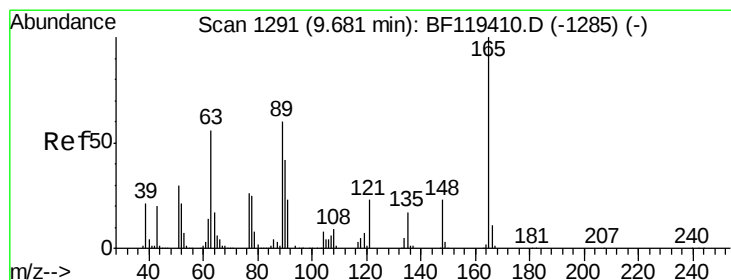
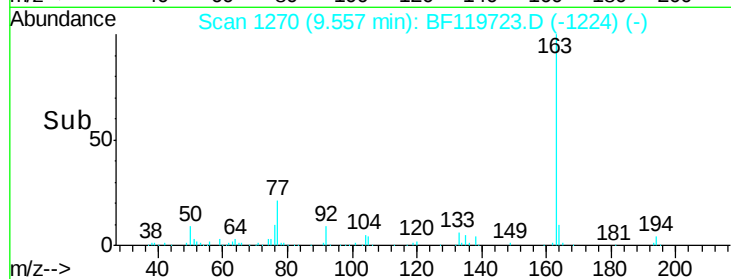
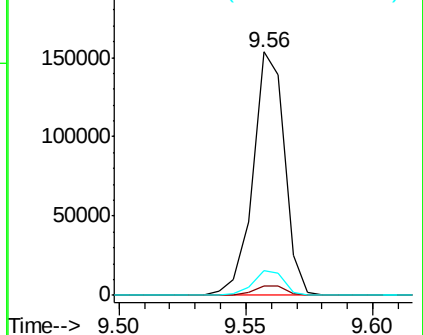


Abundance

Ion 163.00 (162.70 to 163.70): E

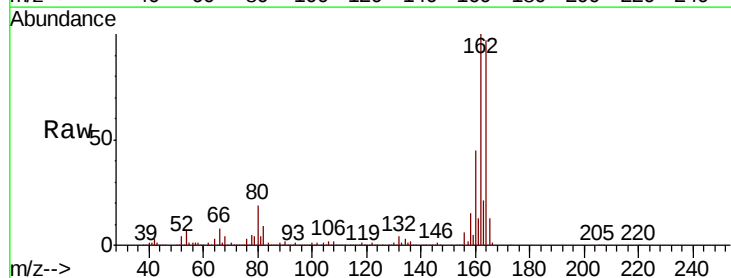
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.628 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF119723.D
Acq: 3 Apr 2020 17:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	45.0	67.4#
89	1.4	41.5	62.3#

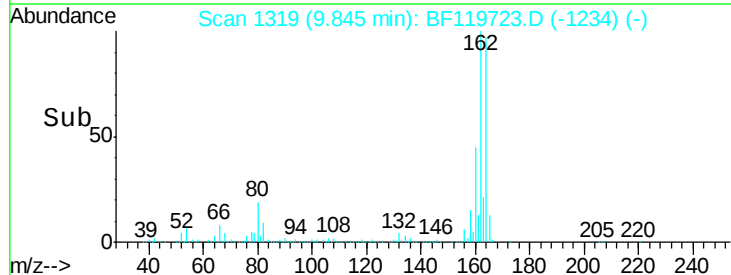
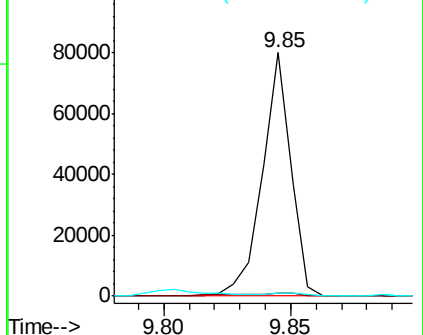


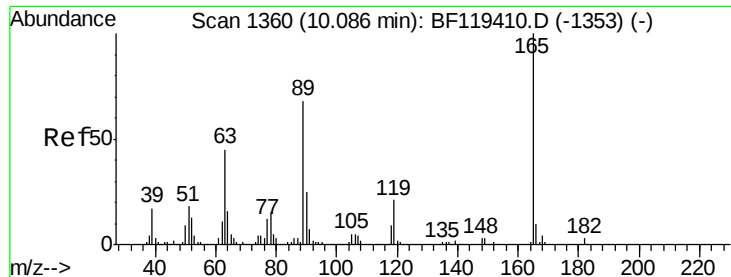
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

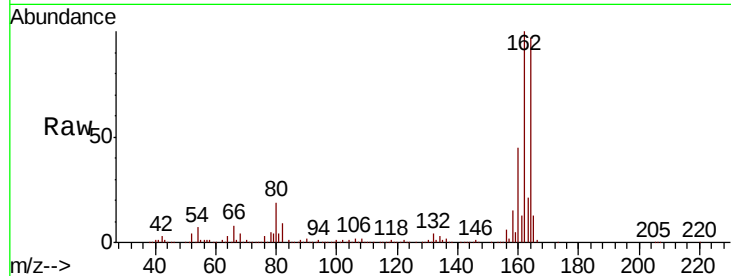




#57
 2,4-Dinitrotoluene
 Concen: 6.849 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPARATOR-1

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.6	64.0#
89	1.4	61.0	91.4#
182	0.0	2.2	3.2#



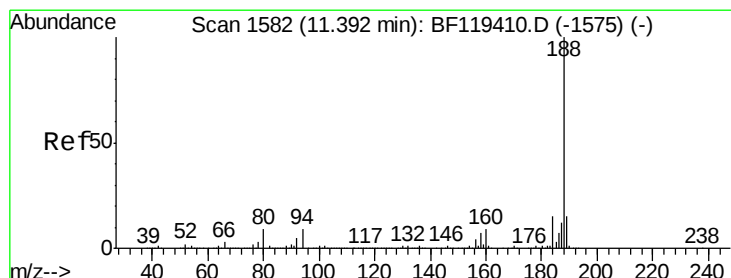
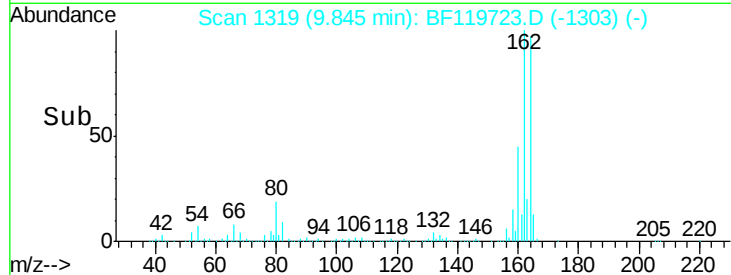
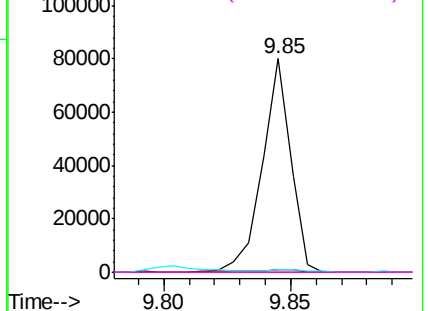
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

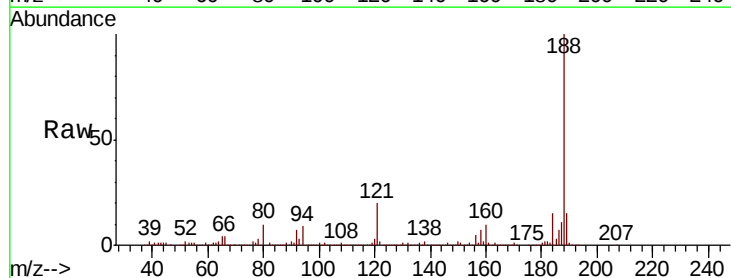
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	9.7	9.0	13.4

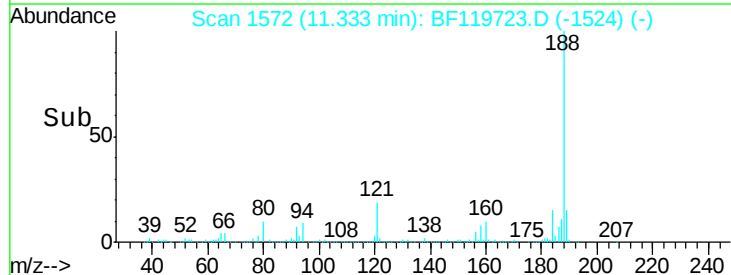
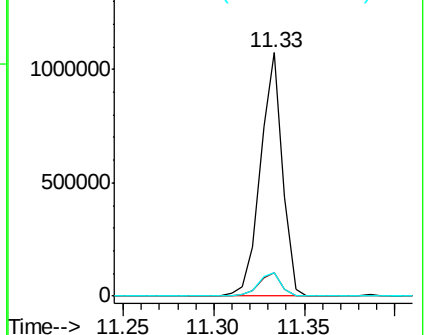


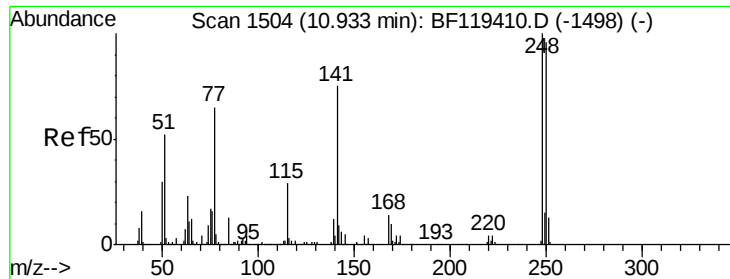
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

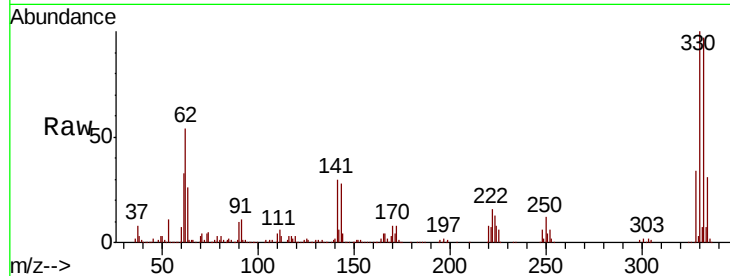




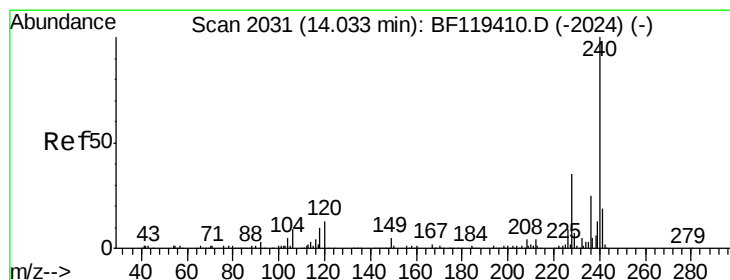
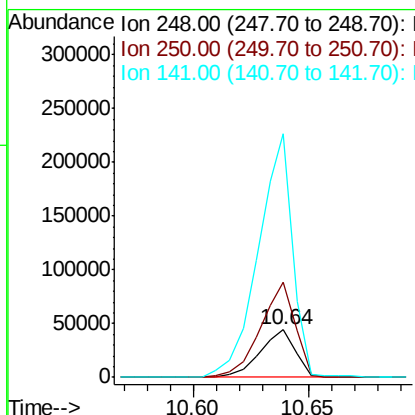
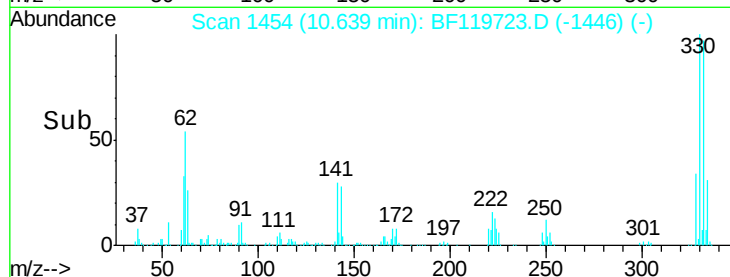
#67
 4-Bromophenyl-phenylether
 Concen: 4.566 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPARATOR-1

Tot Ion:248 Resp: 46879
 Ion Ratio Lower Upper
 248 100
 250 201.3 77.3 115.9#
 141 511.8 58.6 87.8#

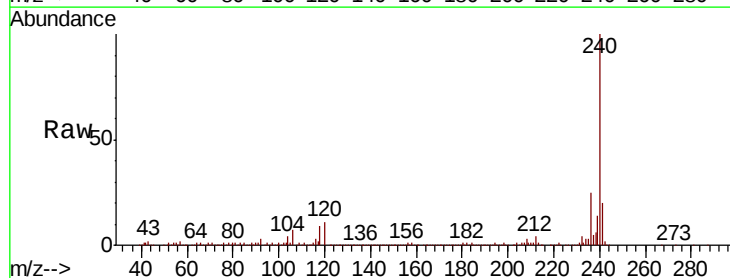


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

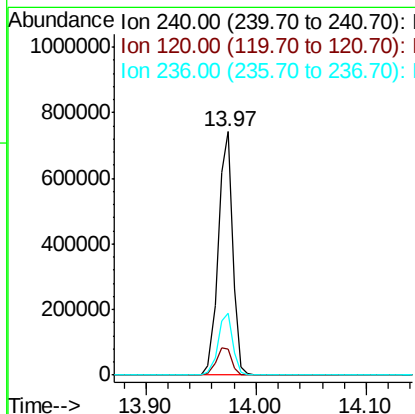
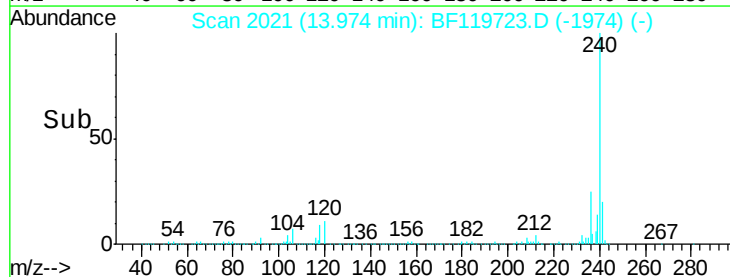


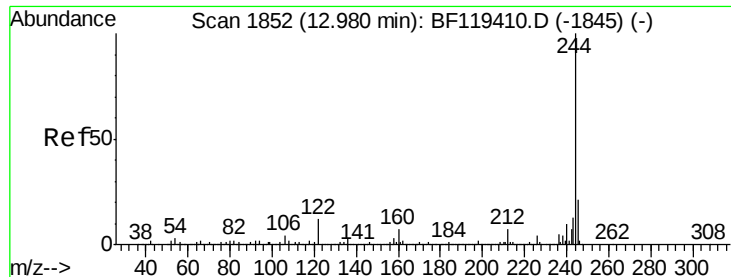
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

Tgt Ion:240 Resp: 672380
 Ion Ratio Lower Upper
 240 100
 120 10.8 10.6 15.8
 236 25.4 20.2 30.2



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

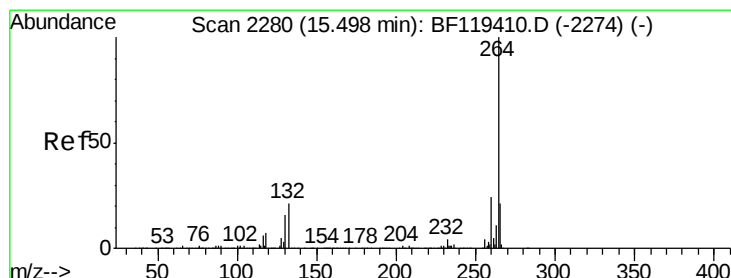
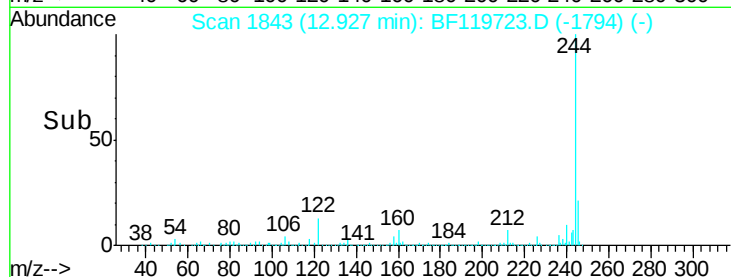
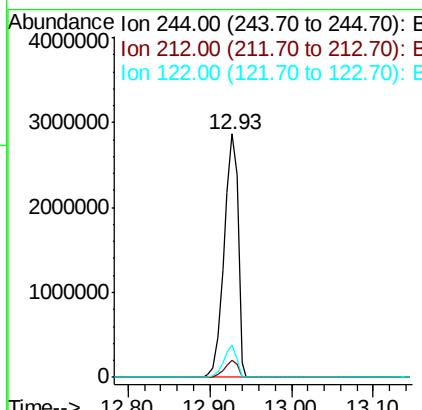
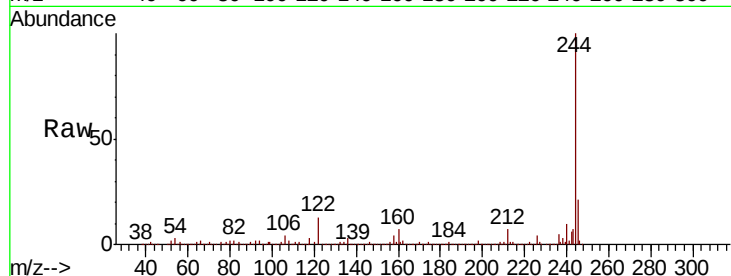




#79
 Terphenyl-d14
 Concen: 97.849 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPARATOR-1

Tot Ion:244 Resp: 3358081
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 13.2 10.3 15.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF119723.D
 Acq: 3 Apr 2020 17:02

Tgt Ion:264 Resp: 573186
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.5 17.7 26.5

