

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032620\
 Data File : BF119563.D
 Acq On : 27 Mar 2020 12:15
 Operator : CG/JU
 Sample : L2033-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OIL-WATER-SEPARATOR

Quant Time: Mar 27 12:57:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	306236	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1178535	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	640955	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	1258452	20.00	ng	0.00
76) Chrysene-d12	14.00	240	955505	20.00	ng	-0.01
87) Perylene-d12	15.47	264	781571	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	2101128	109.22	ng	0.02
7) Phenol-d6	6.46	99	2297288	93.48	ng	0.00
23) Nitrobenzene-d5	7.40	82	1940956	89.51	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	987324	149.31	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	3633791	83.99	ng	0.00
79) Terphenyl-d14	12.96	244	4193558	85.99	ng	0.00

Target Compounds

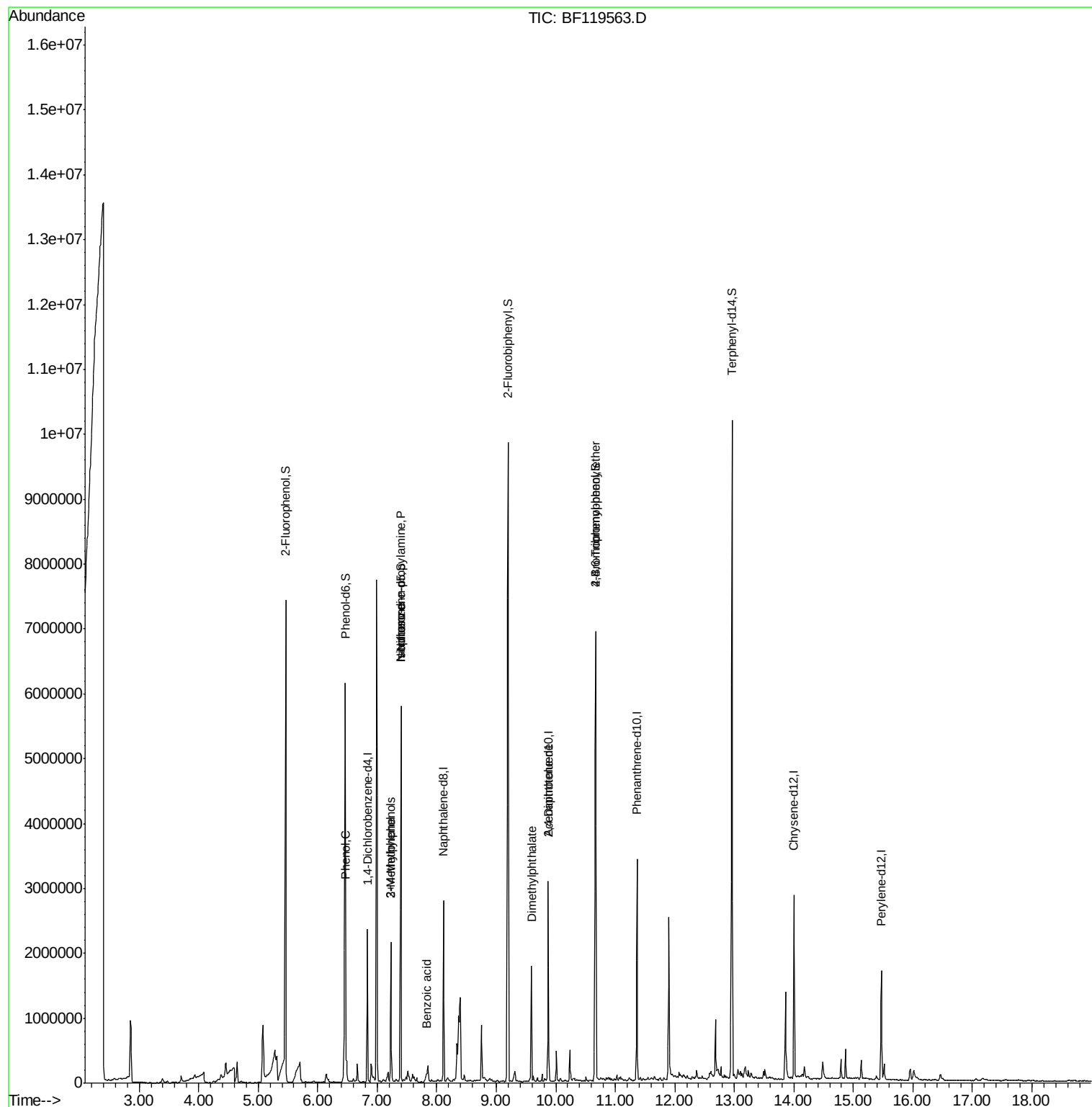
						Qvalue
10) Phenol	6.47	94	84095	3.207	ng	89
17) 2-Methylphenol	7.23	107	540039	29.173	ng	# 70
19) n-Nitroso-di-n-propylamine	7.40	70	264130	17.832	ng	# 77
20) 3+4-Methylphenols	7.23	107	540039	23.804	ng	# 76
25) Isophorone	7.40	82	1933937	43.964	ng	# 65
32) Benzoic acid	7.83	122	28618	2.358	ng	88
50) Dimethylphthalate	9.59	163	742465	16.308	ng	100
57) 2,4-Dinitrotoluene	9.87	165	83863	6.822	ng	# 20
67) 4-Bromophenyl-phenylether	10.67	248	58795	4.102	ng	# 1

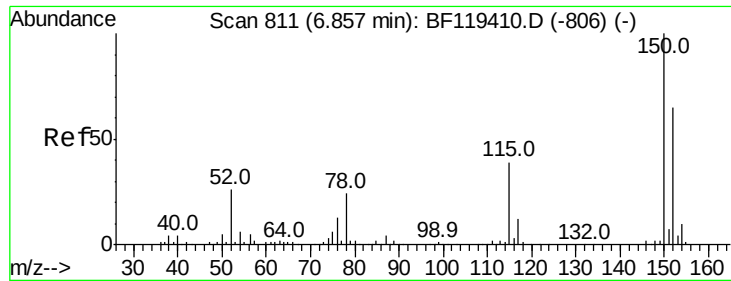
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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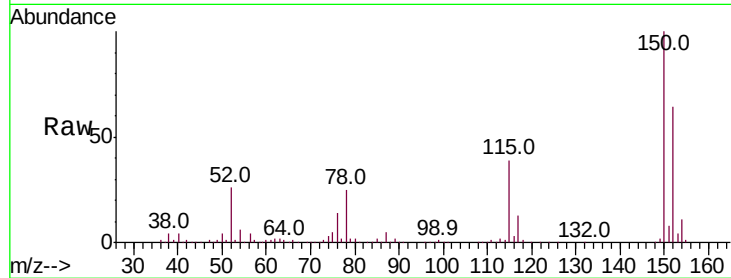


#1

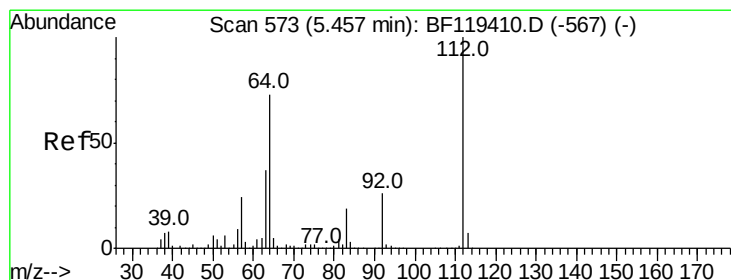
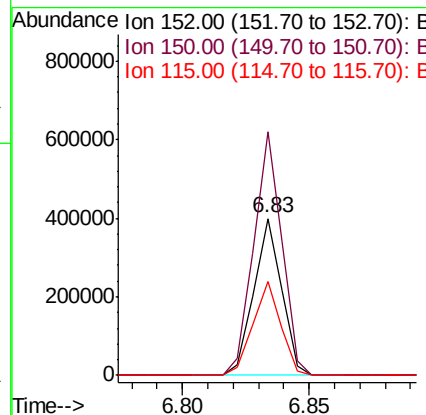
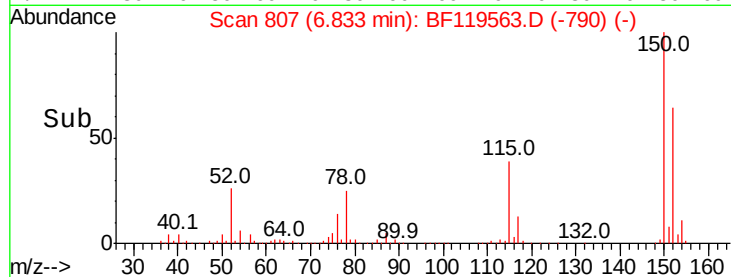
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Instrument :
BNA_F
ClientSampleId :
OIL-WATER-SEPARATOR

Tot Ion:152 Resp: 306236
Ion Ratio Lower Upper
152 100
150 155.1 124.5 186.7
115 59.8 49.6 74.4



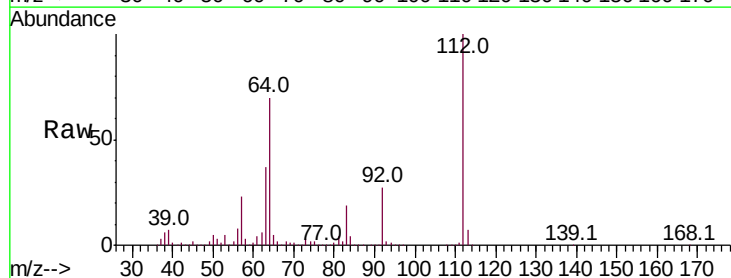
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



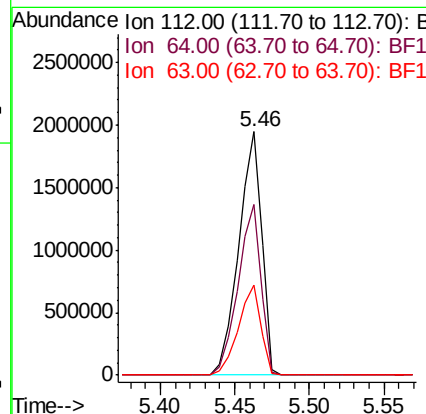
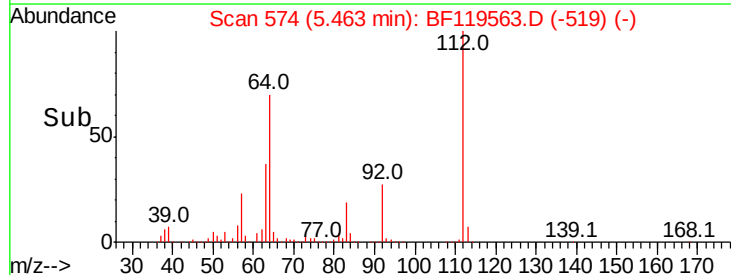
#5

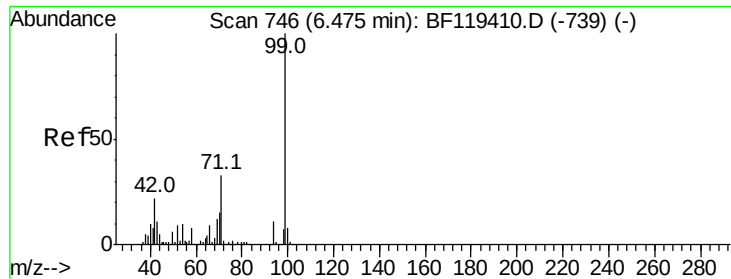
2-Fluorophenol
Concen: 109.223 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Tgt Ion:112 Resp: 2101128
Ion Ratio Lower Upper
112 100
64 69.9 56.7 85.1
63 37.0 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: 93.484 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR

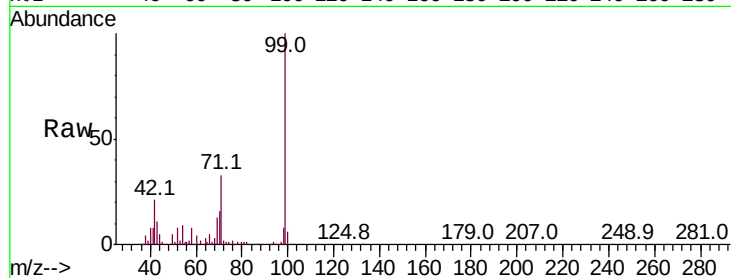
Tot Ion: 99 Resp: 2297288

Ion Ratio Lower Upper

99 100

42 20.7 16.6 24.8

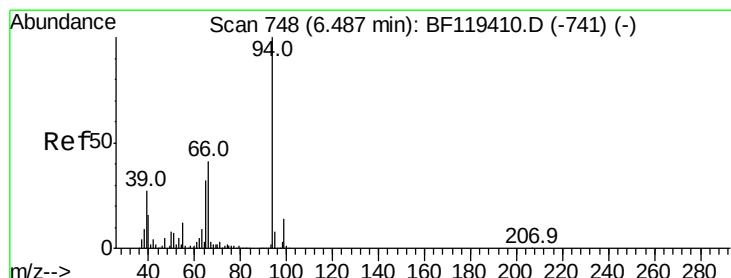
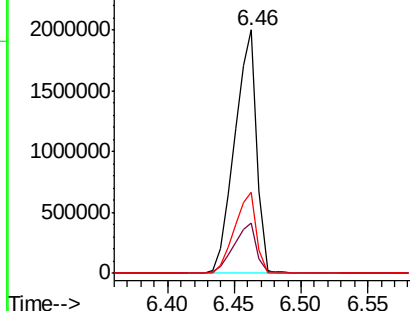
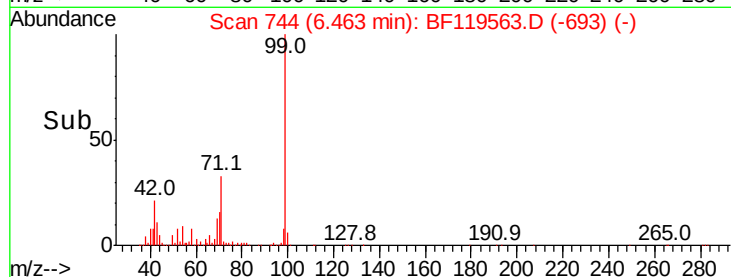
71 33.4 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.207 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

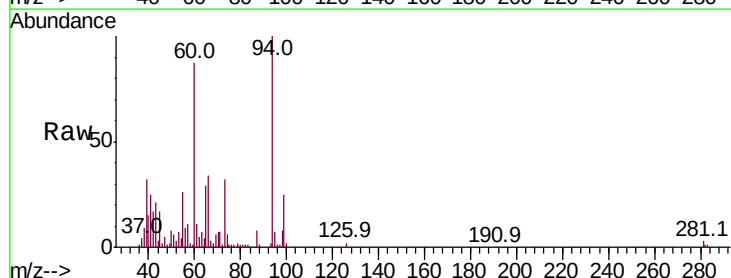
Tgt Ion: 94 Resp: 84095

Ion Ratio Lower Upper

94 100

65 28.6 13.2 53.2

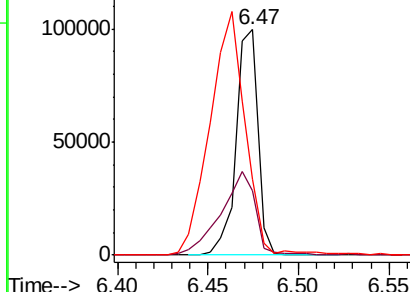
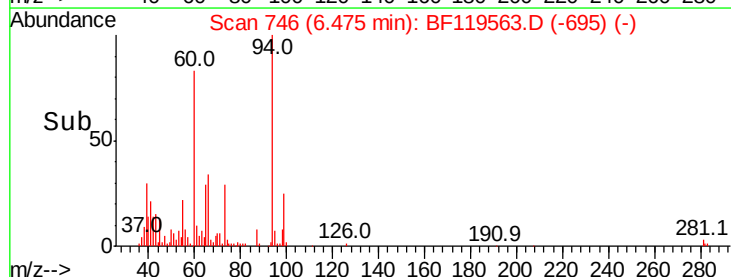
66 33.8 22.3 62.3

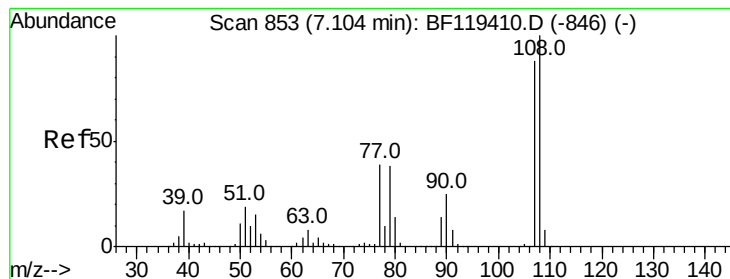


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#17

2-Methylphenol

Concen: 29.173 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR

Tot Ion:107 Resp: 540039

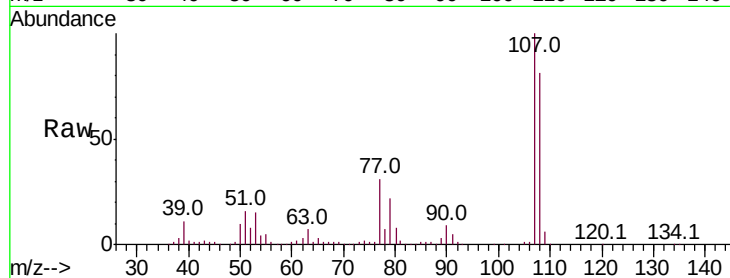
Ion Ratio Lower Upper

107 100

108 81.1 92.2 138.4#

77 31.0 36.6 54.8#

79 22.2 36.2 54.4#

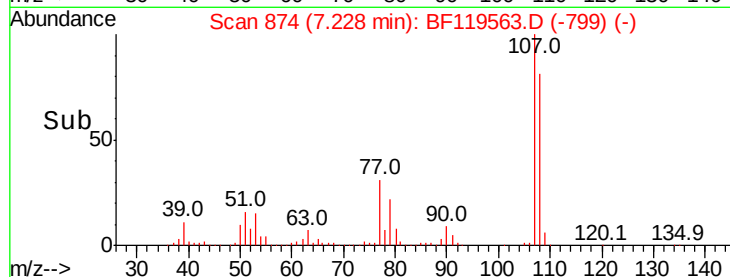


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Abundance

7.23

800000

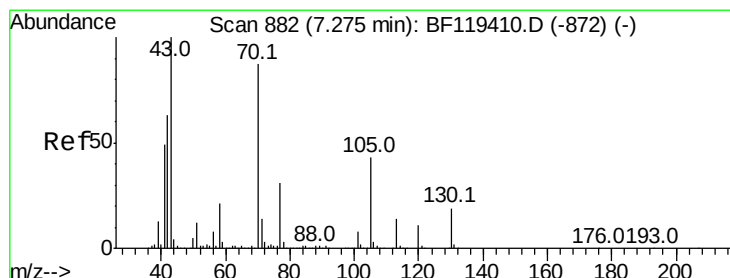
600000

400000

200000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 17.832 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

Tgt Ion: 70 Resp: 264130

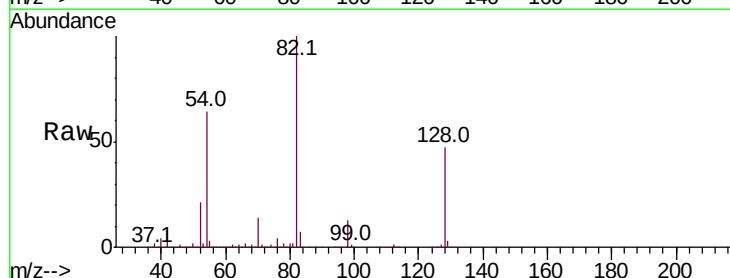
Ion Ratio Lower Upper

70 100

42 54.0 54.5 81.7#

101 0.0 7.6 11.4#

130 2.4 17.6 26.4#

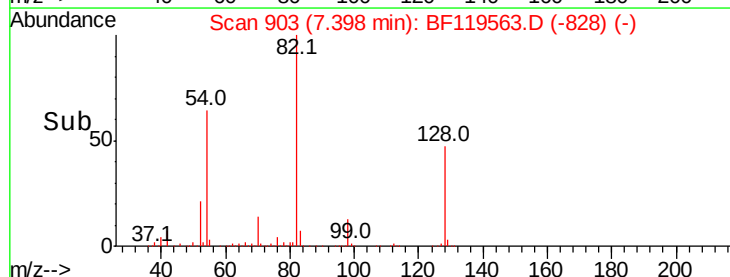


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



Abundance

7.40

400000

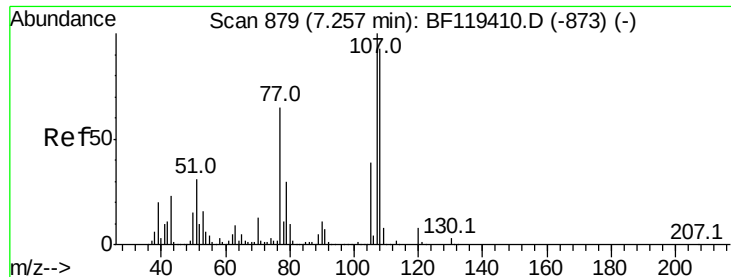
300000

200000

100000

0

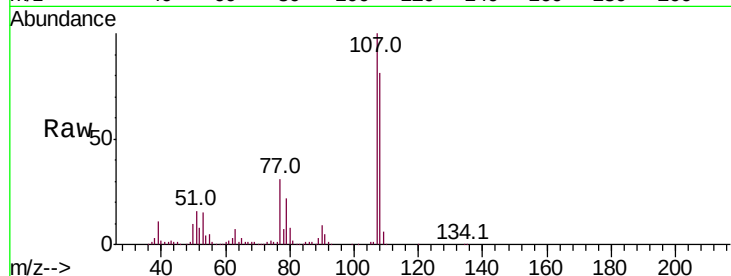
Time-->



#20
3+4-Methylphenols
Concen: 23.804 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Instrument :
BNA_F
ClientSampleId :
OIL-WATER-SEPARATOR

Tot Ion:	107	Resp:	540039
Ion	Ratio	Lower	Upper
107	100		
108	81.1	67.9	107.9
77	31.0	52.9	92.9#
79	22.2	7.7	47.7



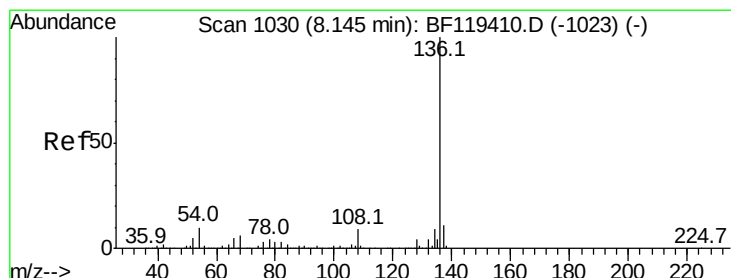
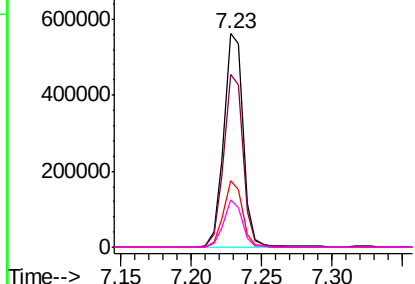
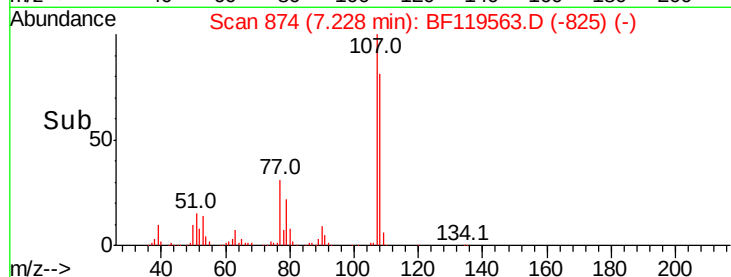
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

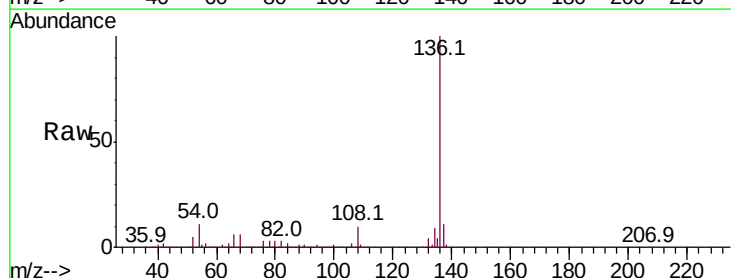
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Tgt Ion:	136	Resp:	1178535
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	10.6	9.1	13.7
68	5.6	4.6	6.8



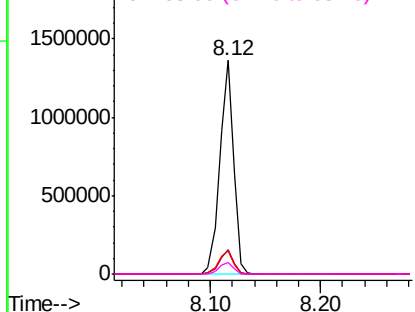
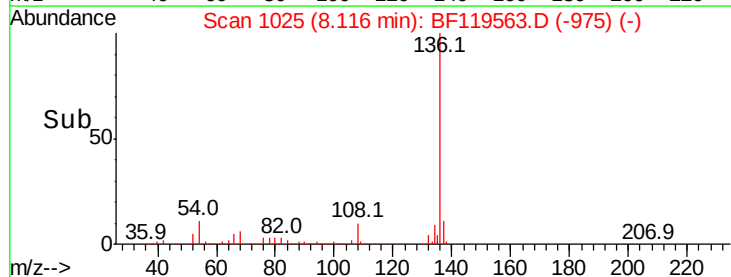
Abundance

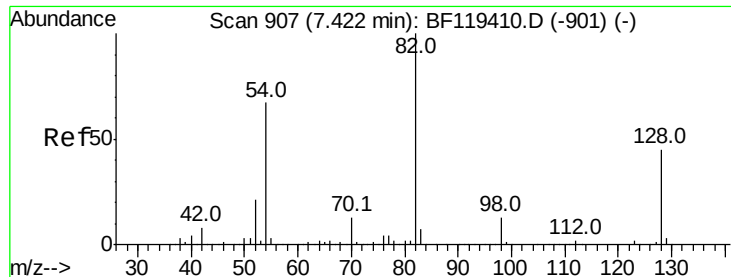
Ion 136.00 (135.70 to 136.70): E

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: 89.507 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR

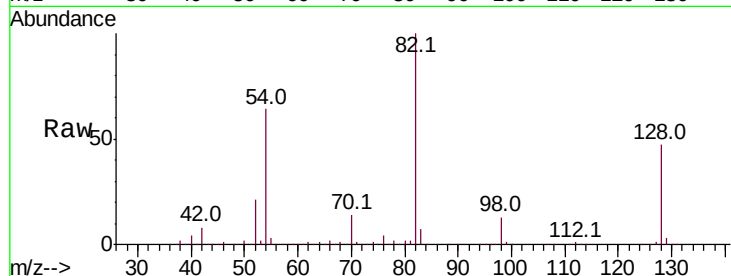
Tot Ion: 82 Resp: 1940956

Ion Ratio Lower Upper

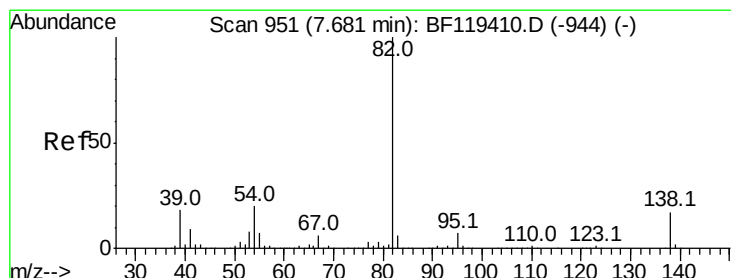
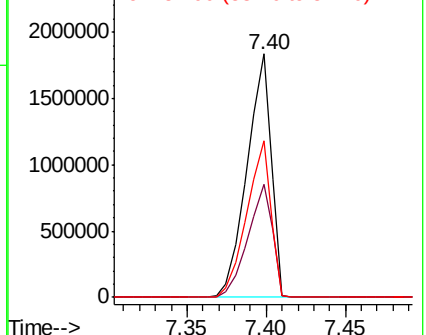
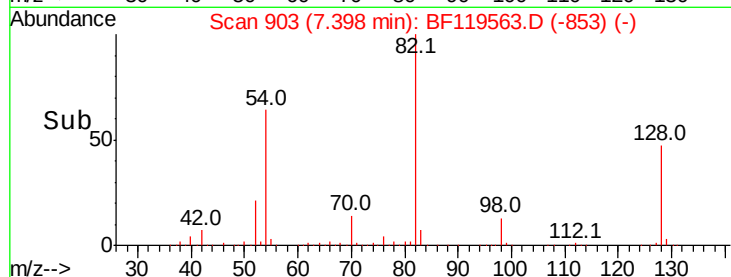
82 100

128 46.5 36.3 54.5

54 64.5 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 43.964 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.26 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

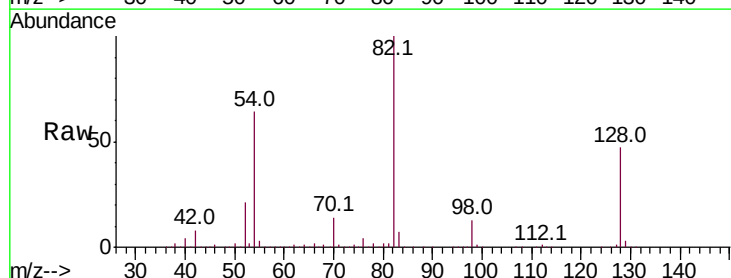
Tgt Ion: 82 Resp: 1933937

Ion Ratio Lower Upper

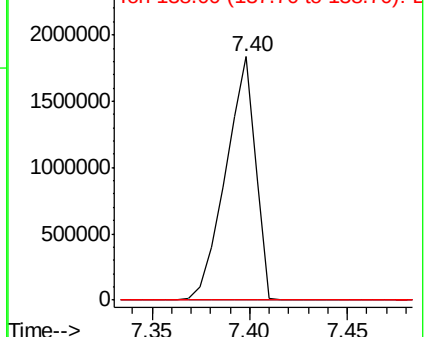
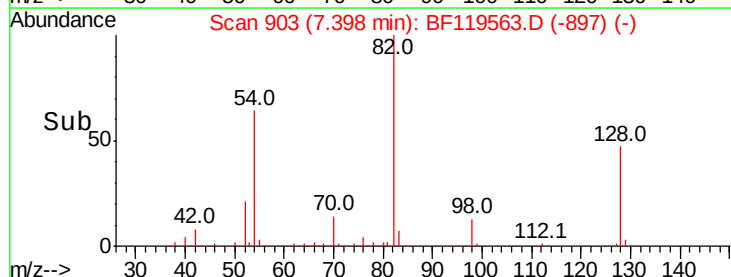
82 100

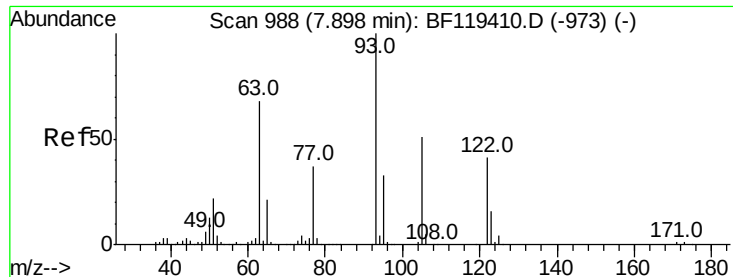
95 0.0 5.8 8.6#

138 0.0 14.6 21.8#



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

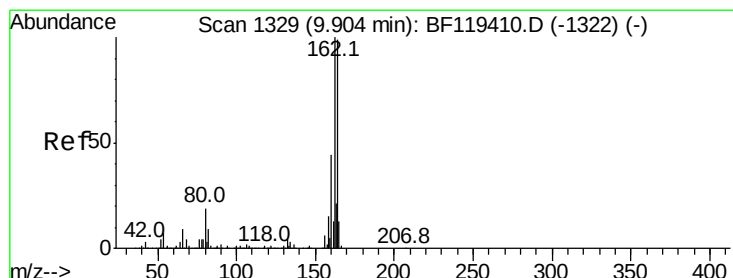
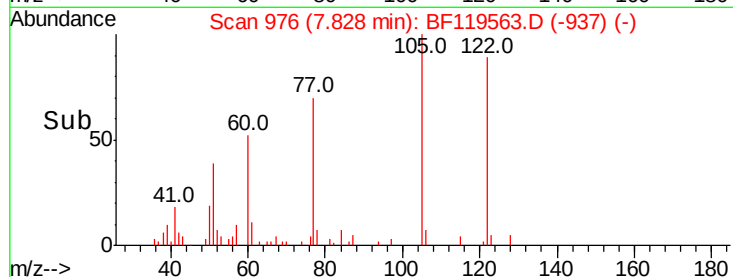
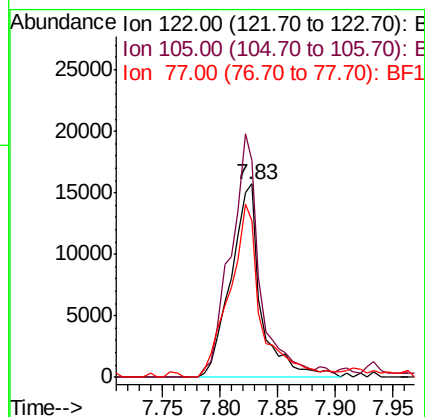
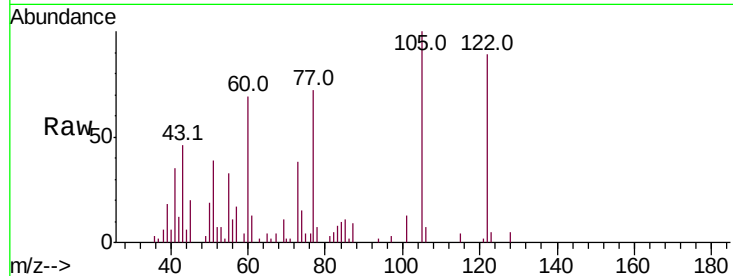




#32
Benzoic acid
Concen: 2.358 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.07 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

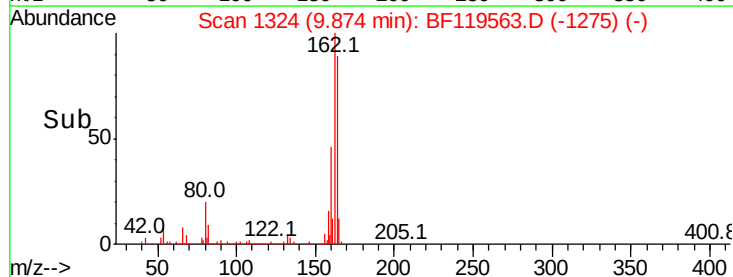
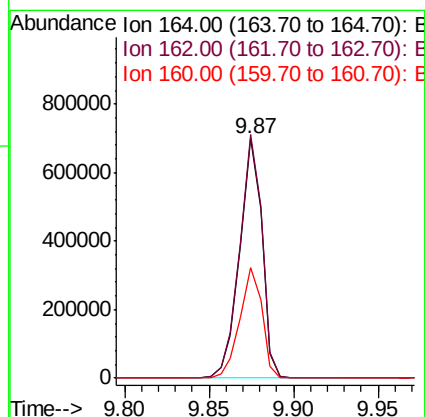
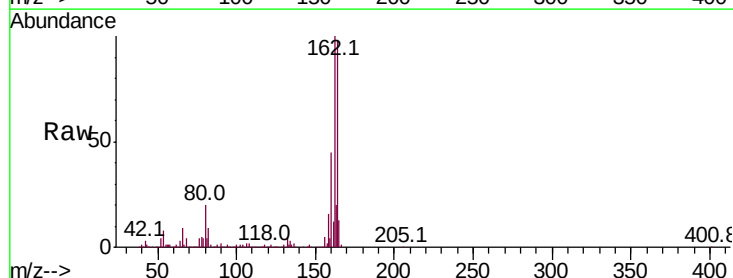
Instrument :
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OIL-WATER-SEPARATOR

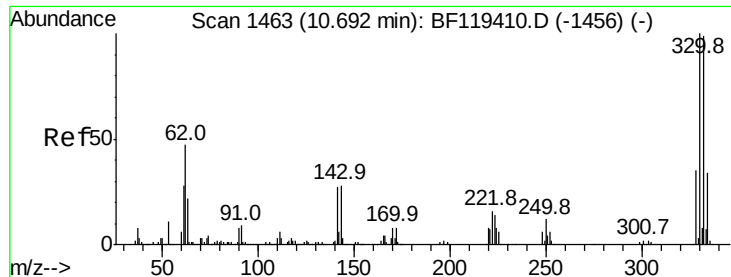
Tot Ion:122 Resp: 28618
Ion Ratio Lower Upper
122 100
105 112.2 104.9 144.9
77 81.0 74.4 114.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Tgt Ion:164 Resp: 640955
Ion Ratio Lower Upper
164 100
162 101.7 80.6 121.0
160 46.2 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 149.312 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR

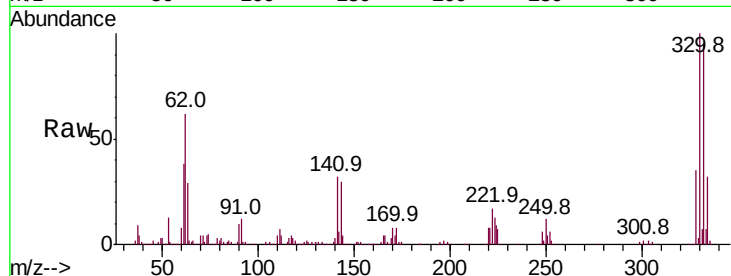
Tot Ion:330 Resp: 987324

Ion Ratio Lower Upper

330 100

332 94.8 75.7 113.5

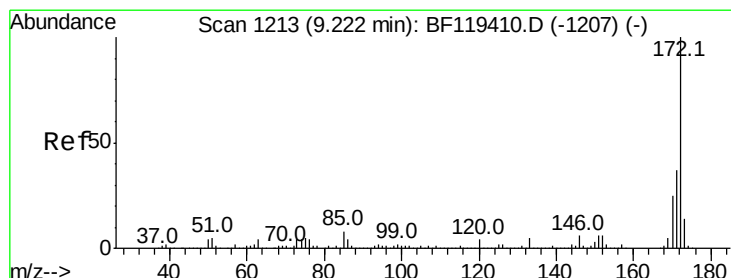
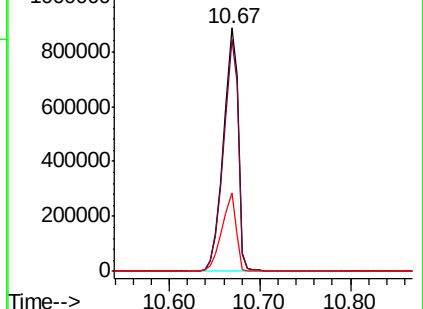
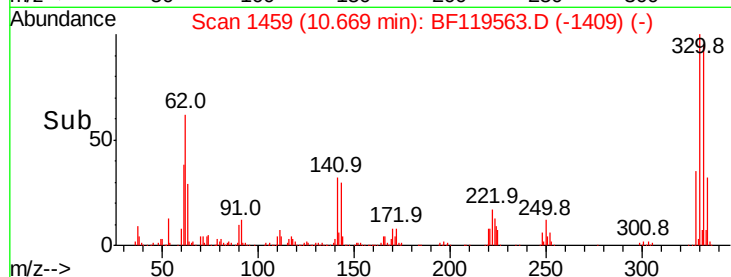
141 30.9 25.4 38.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 83.990 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

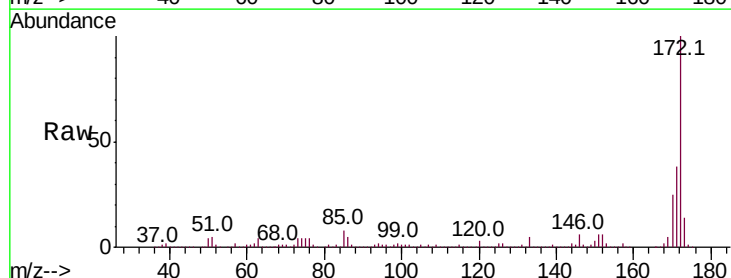
Tgt Ion:172 Resp: 3633791

Ion Ratio Lower Upper

172 100

171 37.9 29.6 44.4

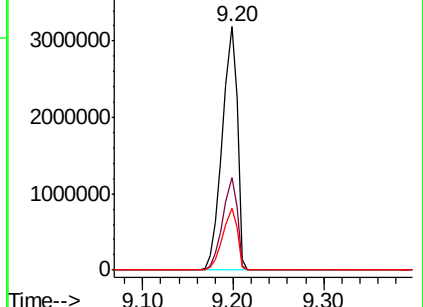
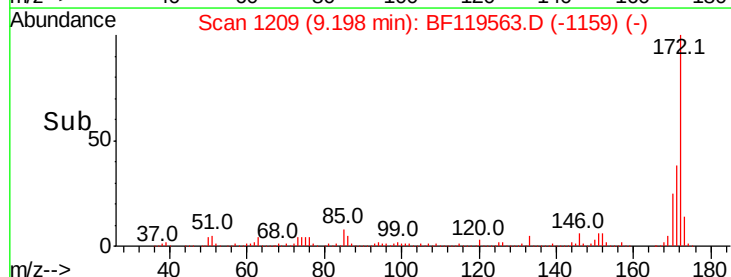
170 25.2 20.2 30.2

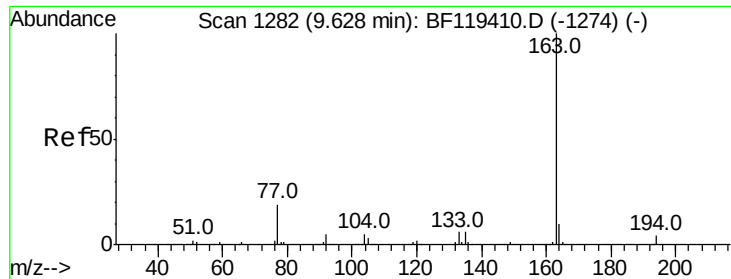


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

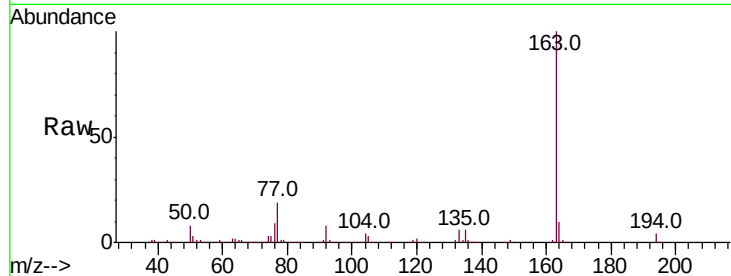




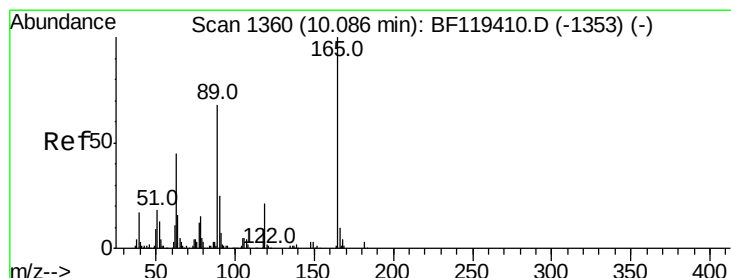
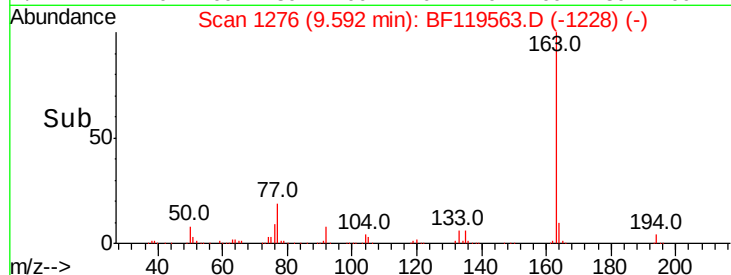
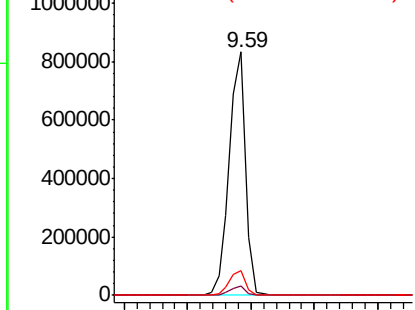
#50
Dimethylphthalate
Concen: 16.308 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Instrument :
BNA_F
ClientSampleId :
OIL-WATER-SEPARATOR

Tot Ion:163 Resp: 742465
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.0 8.2 12.2

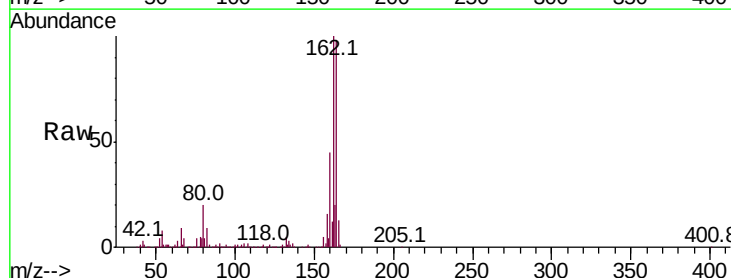


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

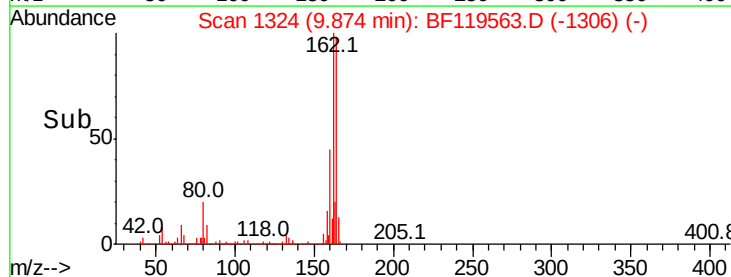
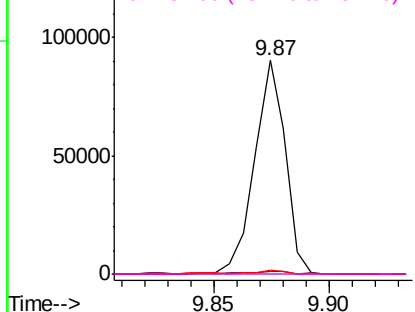


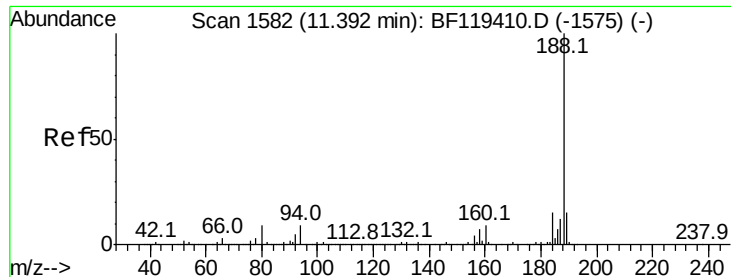
#57
2,4-Dinitrotoluene
Concen: 6.822 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.19 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Tgt Ion:165 Resp: 83863
Ion Ratio Lower Upper
165 100
63 1.3 42.6 64.0#
89 1.5 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

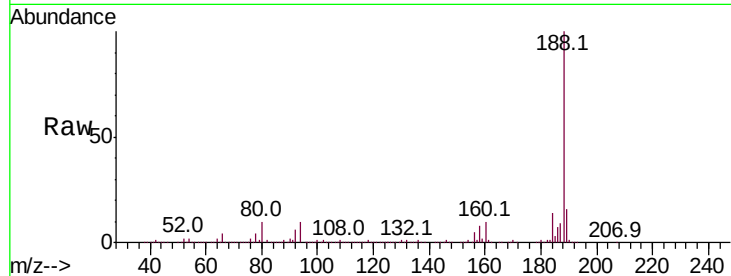




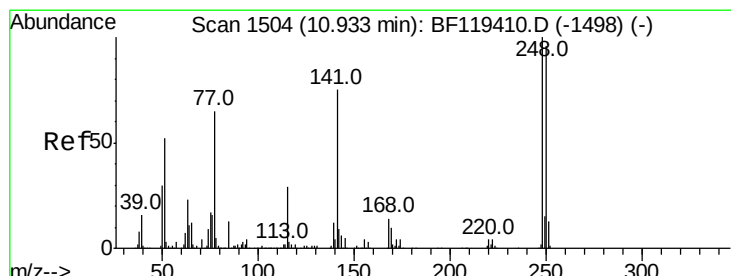
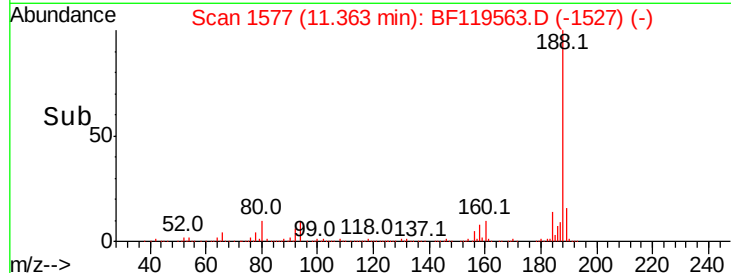
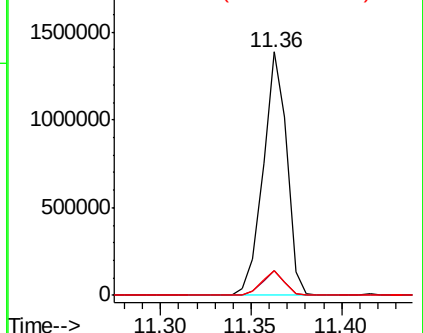
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Instrument :
BNA_F
ClientSampleId :
OIL-WATER-SEPARATOR

Tot Ion:188 Resp: 1258452
Ion Ratio Lower Upper
188 100
94 10.0 7.5 11.3
80 10.3 9.0 13.4

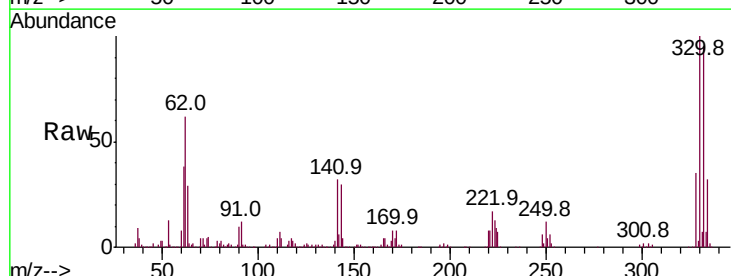


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

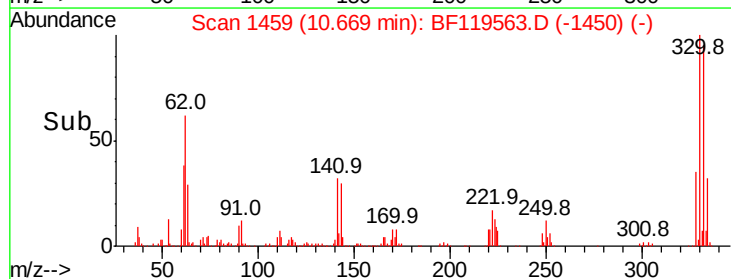
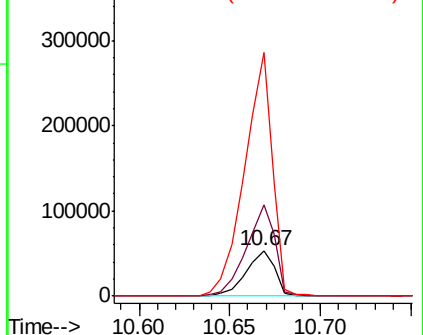


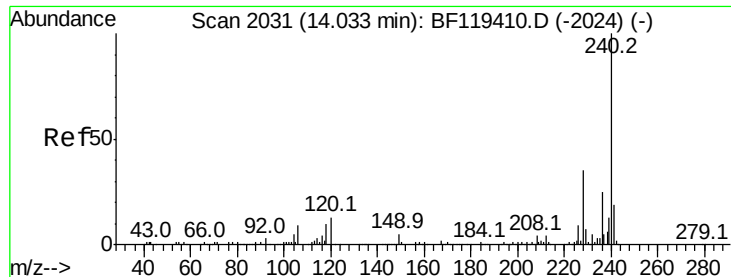
#67
4-Bromophenyl-phenylether
Concen: 4.102 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF119563.D
Acq: 27 Mar 2020 12:15

Tgt Ion:248 Resp: 58795
Ion Ratio Lower Upper
248 100
250 199.0 77.3 115.9#
141 532.4 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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR

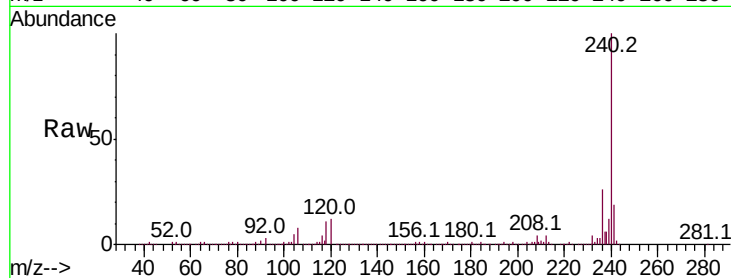
Tot Ion:240 Resp: 955505

Ion Ratio Lower Upper

240 100

120 11.6 10.6 15.8

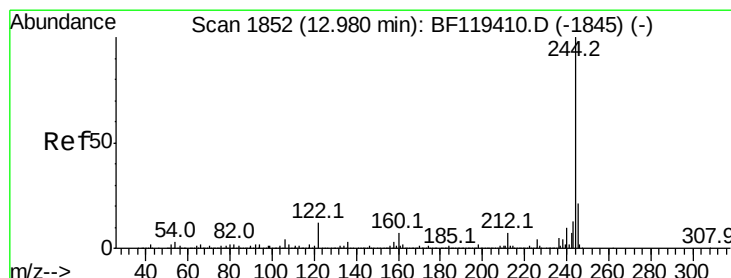
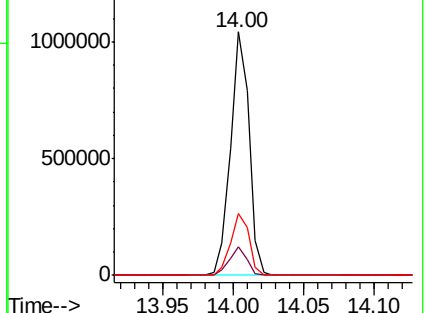
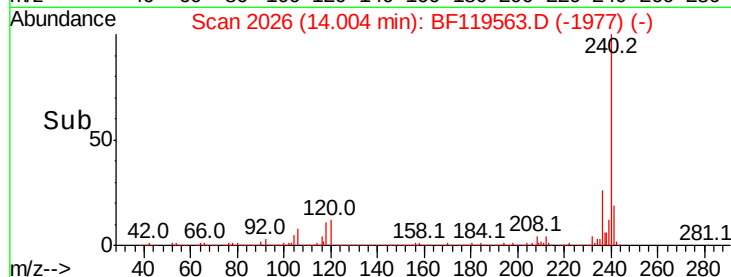
236 25.6 20.2 30.2



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: 85.987 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

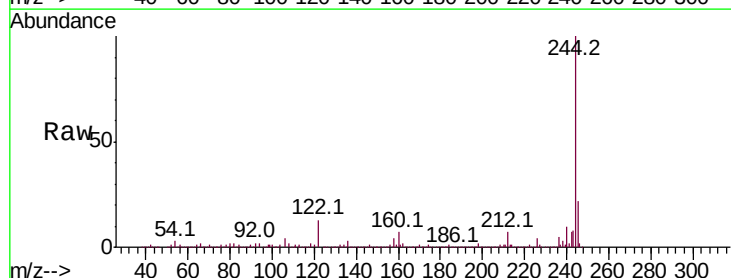
Tgt Ion:244 Resp: 4193558

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

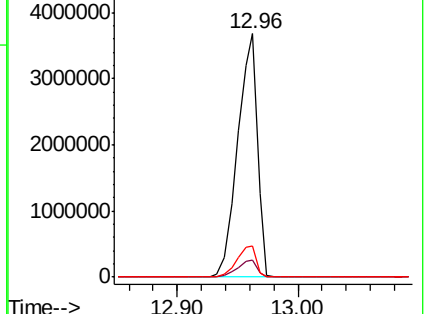
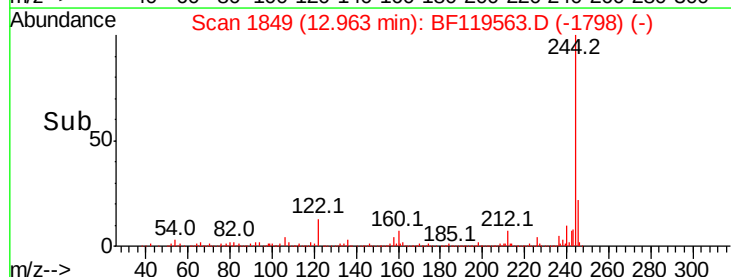
122 12.8 10.3 15.5

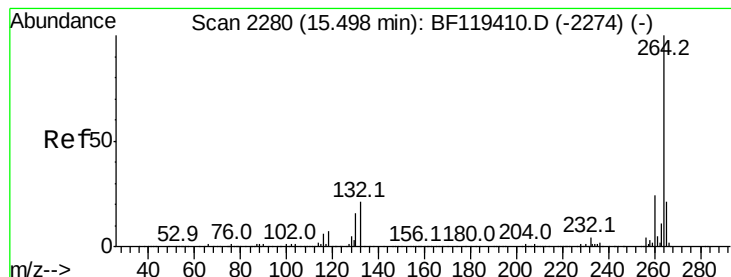


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF119563.D

Acq: 27 Mar 2020 12:15

Instrument :

BNA_F

ClientSampleId :

OIL-WATER-SEPARATOR

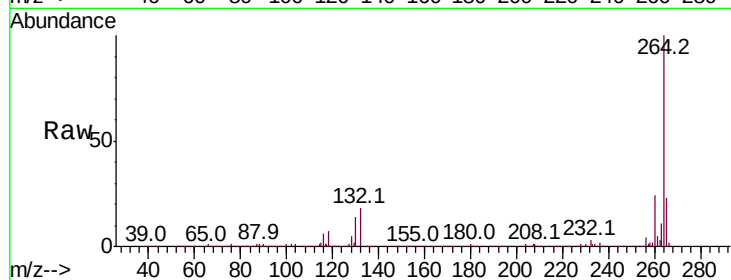
Tot Ion: 264 Resp: 781571

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

