

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041320\
 Data File : BF119929.D
 Acq On : 13 Apr 2020 21:47
 Operator : MA/SJ
 Sample : L2197-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RECLAIM-SYSTEM-SLUDGE-SEPA

Quant Time: Apr 14 00:46:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 13:37:50 2020
 Response via : Initial Calibration

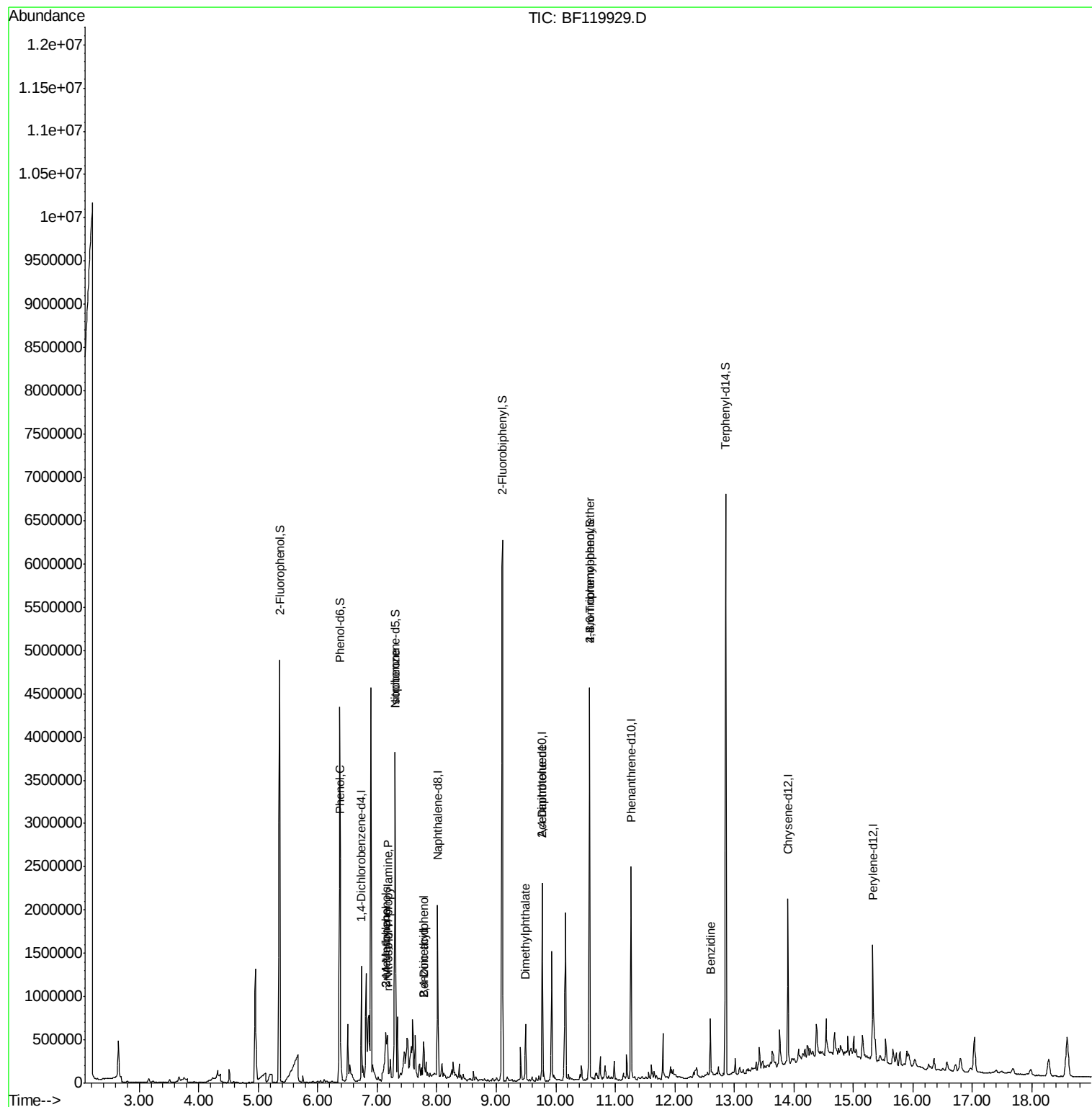
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	206201	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	800004	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	427999	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	847005	20.00	ng	0.00
76) Chrysene-d12	13.90	240	654295	20.00	ng	-0.01
87) Perylene-d12	15.33	264	567804	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1461936	122.53	ng	0.02
7) Phenol-d6	6.37	99	1703507	110.80	ng	0.00
23) Nitrobenzene-d5	7.30	82	1254356	81.12	ng	0.00
42) 2,4,6-Tribromophenol	10.57	330	611029	116.61	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	2318631	76.91	ng	0.00
79) Terphenyl-d14	12.86	244	2827279	72.71	ng	0.00
Target Compounds						
9) Benzaldehyde	6.29	77	2059	Below Cal		Qvalue # 88
10) Phenol	6.39	94	35269	2.022 ng		90
17) 2-Methylphenol	7.15	107	57759	4.855 ng	#	74
19) n-Nitroso-di-n-propylamine	7.17	70	40972	4.144 ng	#	32
20) 3+4-Methylphenols	7.15	107	57759	3.969 ng	#	64
25) Isophorone	7.30	82	1248789	41.892 ng	#	65
27) 2,4-Dimethylphenol	7.78	122	42397	3.617 ng	#	8
32) Benzoic acid	7.78	122	42397	4.118 ng		99
50) Dimethylphthalate	9.49	163	227875	6.883 ng		98
57) 2,4-Dinitrotoluene	9.77	165	54579	5.714 ng	#	23
67) 4-Bromophenyl-phenylether	10.57	248	37122	3.524 ng	#	1
77) Benzidine	12.60	184	235931	10.667 ng		97

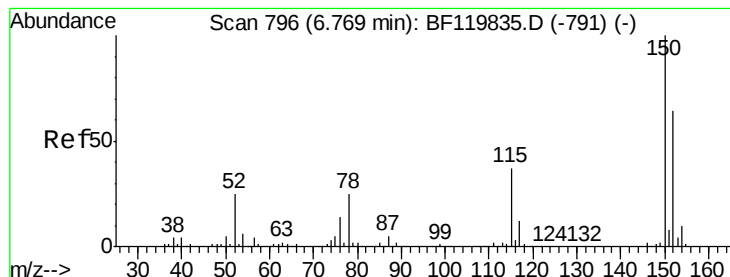
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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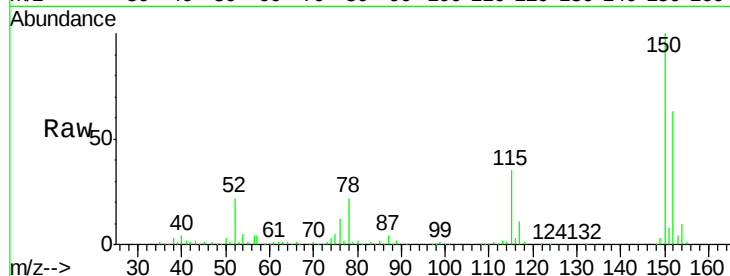


#1

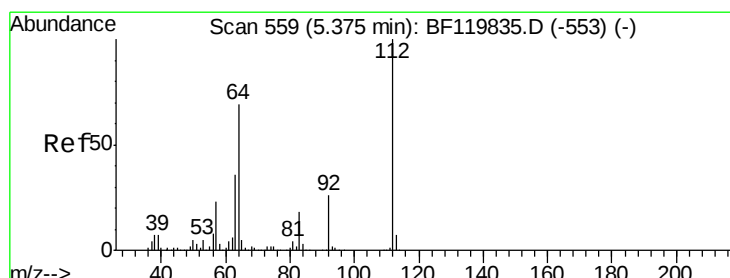
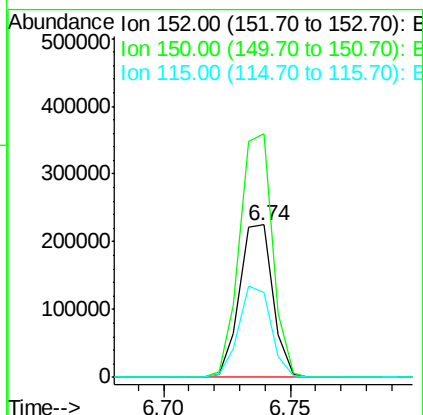
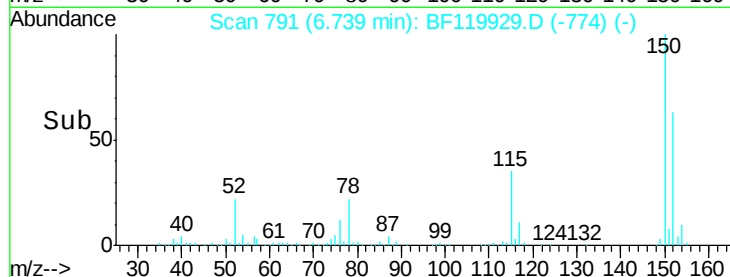
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Instrument :
BNA_F
ClientSampleId :
RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion:152 Resp: 206201
Ion Ratio Lower Upper
152 100
150 159.5 124.8 187.2
115 55.9 46.5 69.7



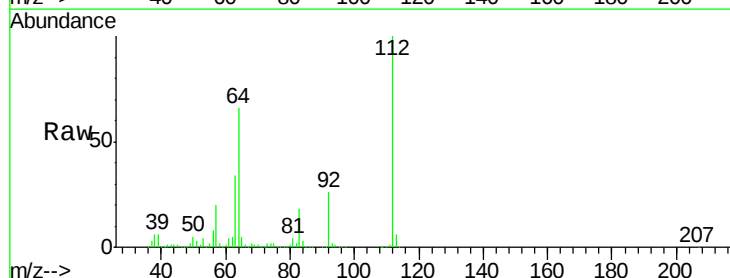
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



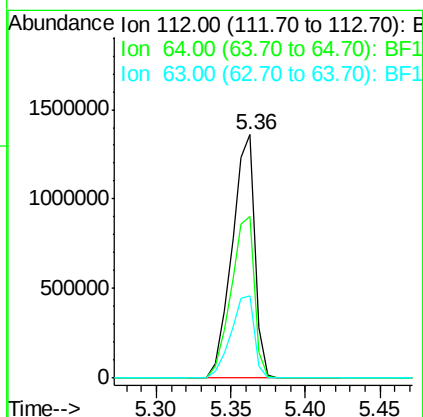
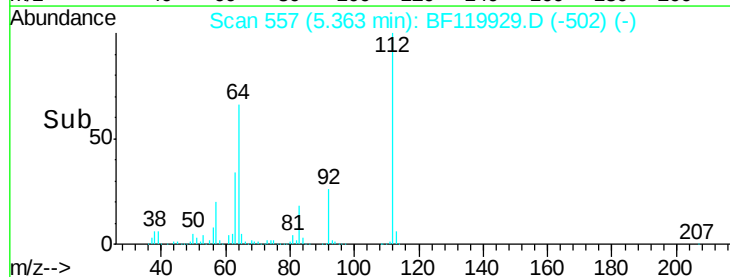
#5

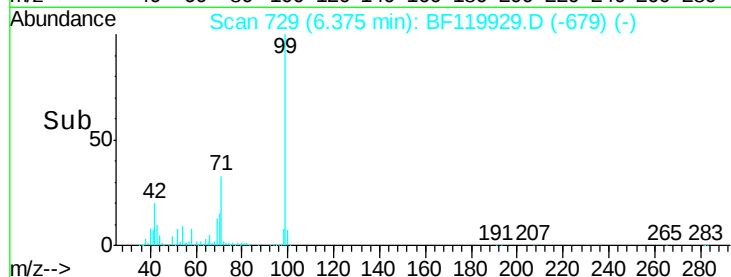
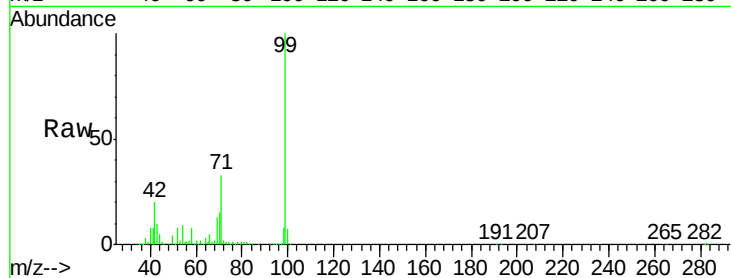
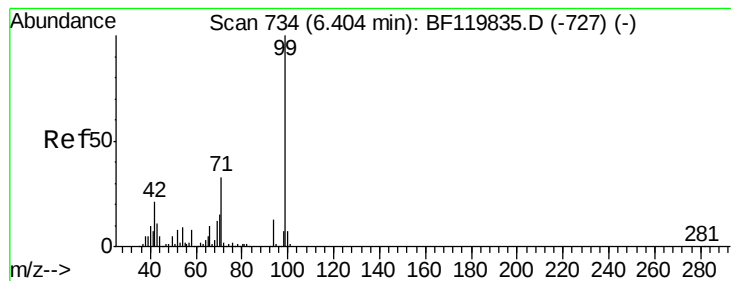
2-Fluorophenol
Concen: 122.526 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.02 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Tgt Ion:112 Resp: 1461936
Ion Ratio Lower Upper
112 100
64 66.5 55.5 83.3
63 33.9 29.1 43.7



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: 110.801 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF119929.D

Acq: 13 Apr 2020 21:47

Instrument :

BNA_F

ClientSampleId :

RECLAIM-SYSTEM-SLUDGE-SEPA

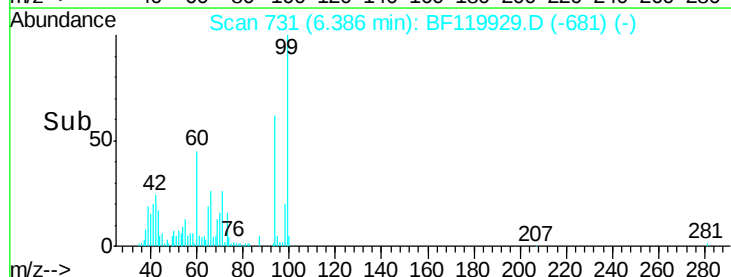
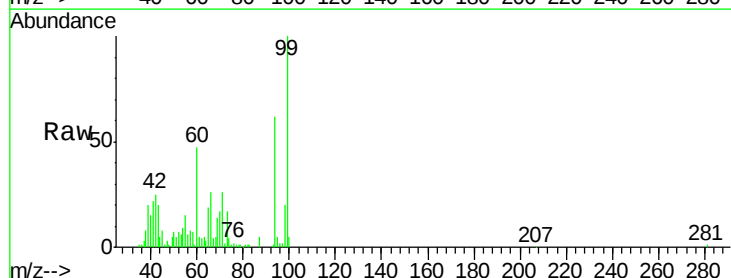
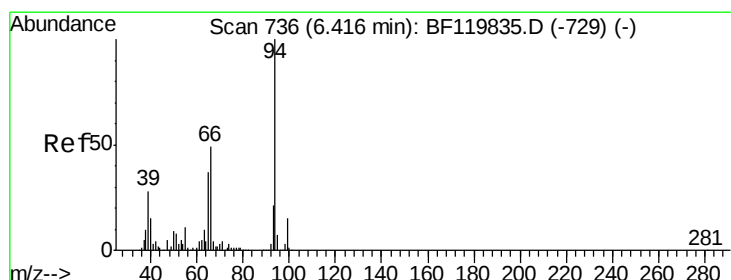
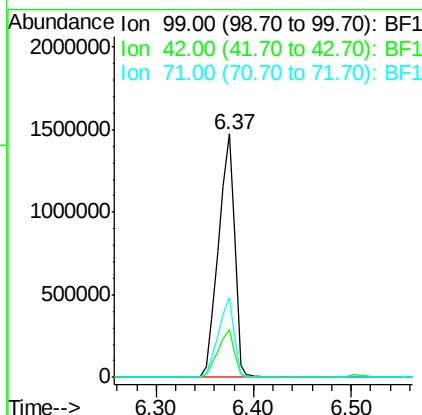
Tot Ion: 99 Resp: 1703507

Ion Ratio Lower Upper

99 100

42 19.8 16.9 25.3

71 32.9 26.3 39.5



#10

Phenol

Concen: 2.022 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF119929.D

Acq: 13 Apr 2020 21:47

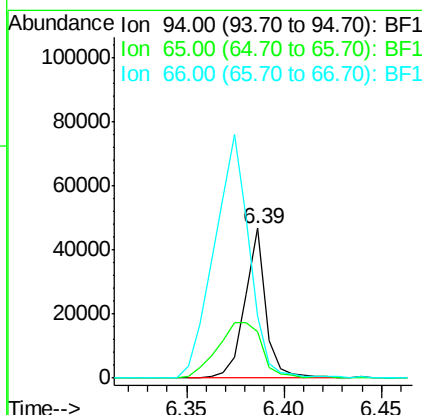
Tgt Ion: 94 Resp: 35269

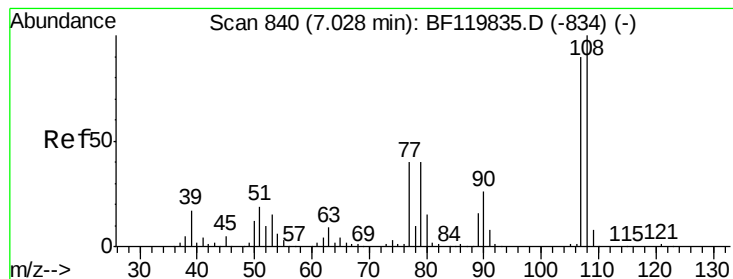
Ion Ratio Lower Upper

94 100

65 31.5 16.6 56.6

66 41.7 29.3 69.3





#17

2-Methylphenol

Concen: 4.855 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.15 min

Lab File: BF119929.D

Acq: 13 Apr 2020 21:47

Instrument :

BNA_F

ClientSampleId :

RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion:107 Resp: 57759

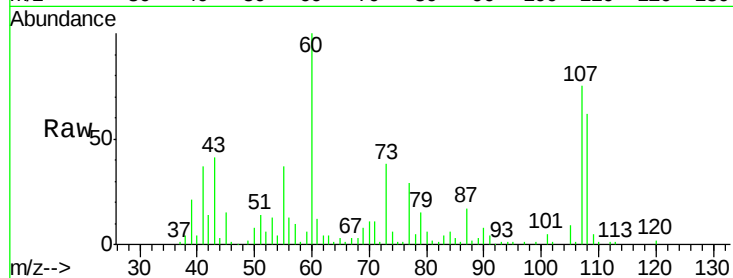
Ion Ratio Lower Upper

107 100

108 82.8 88.8 133.2#

77 38.1 36.0 54.0

79 19.8 35.7 53.5#

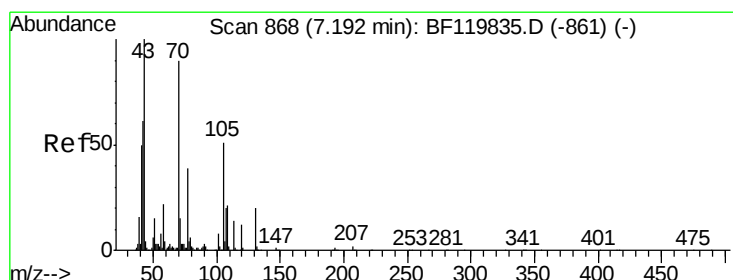
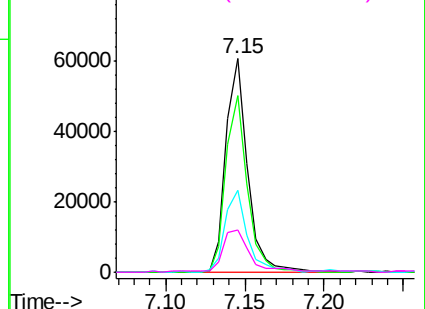
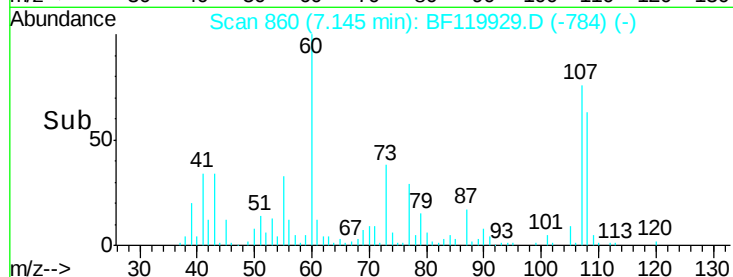


Abundance Ion 107.00 (106.70 to 107.70): E

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



#19

n-Nitroso-di-n-propylamine

Concen: 4.144 ng

RT: 7.17 min Scan# 865

Delta R.T. 0.01 min

Lab File: BF119929.D

Acq: 13 Apr 2020 21:47

Tgt Ion: 70 Resp: 40972

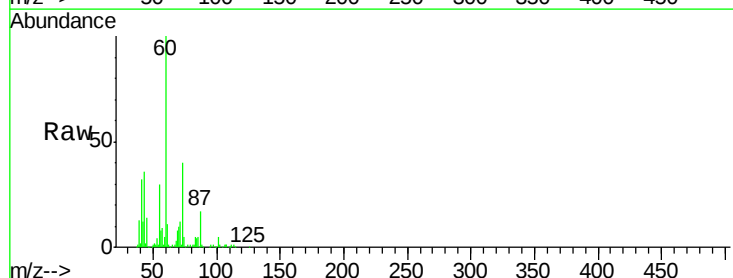
Ion Ratio Lower Upper

70 100

42 122.2 54.2 81.4#

101 53.1 7.4 11.2#

130 0.0 17.8 26.6#

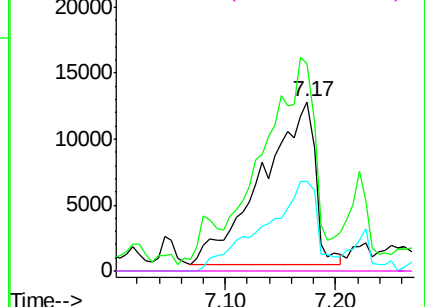
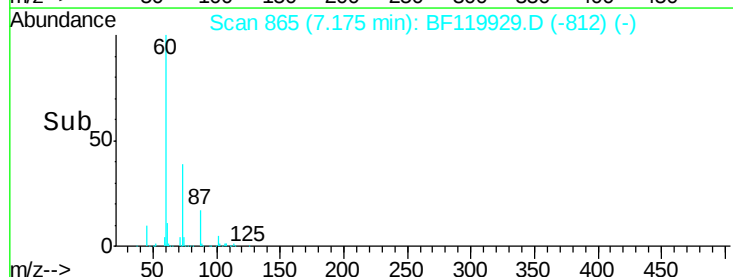


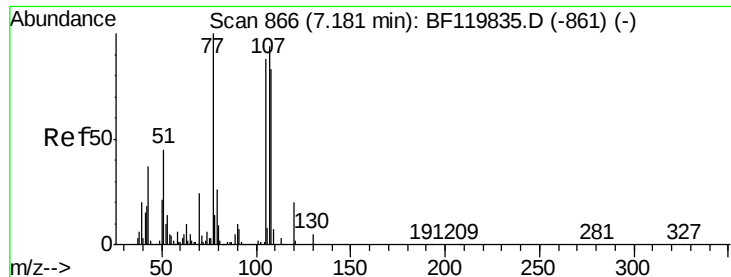
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

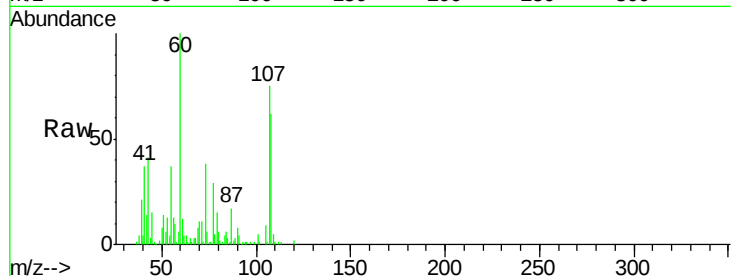




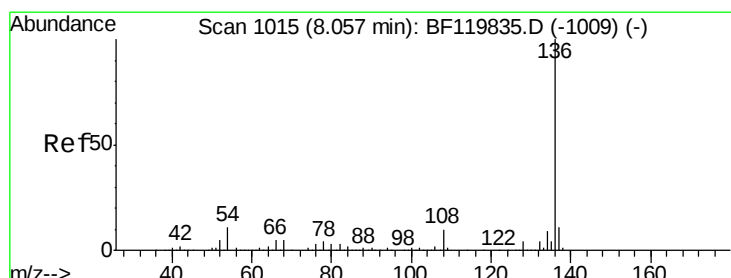
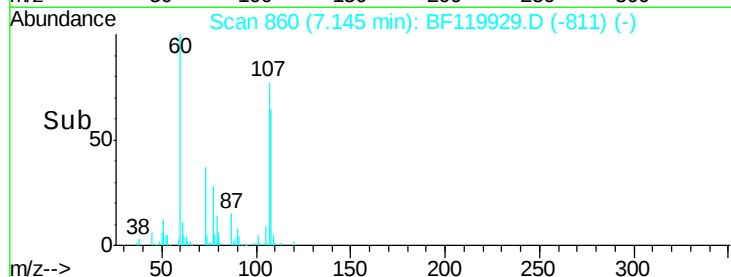
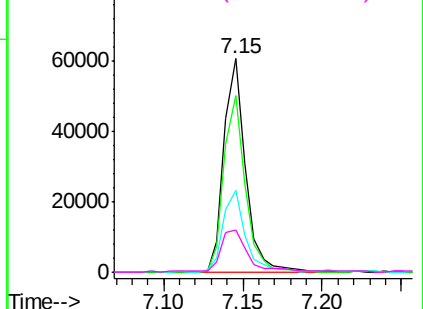
#20
3+4-Methylphenols
Concen: 3.969 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Instrument :
BNA_F
ClientSampleId :
RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion:	107	Resp:	57759
Ion	Ratio	Lower	Upper
107	100		
108	82.8	68.2	108.2
77	38.1	86.6	126.6#
79	19.8	7.7	47.7

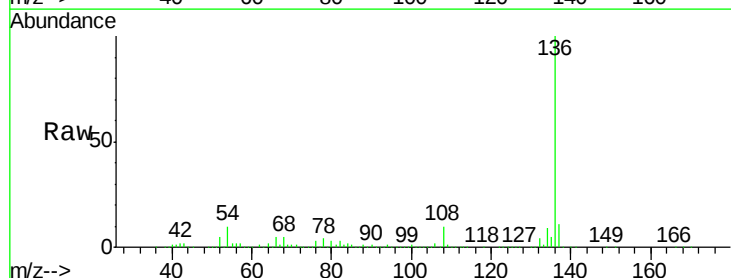


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

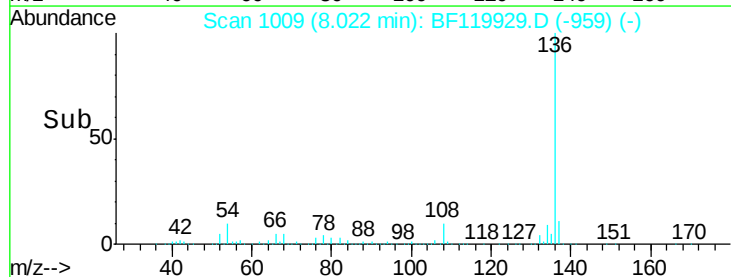
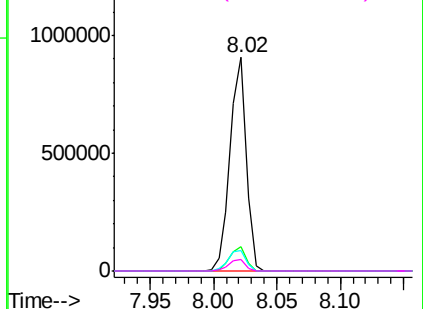


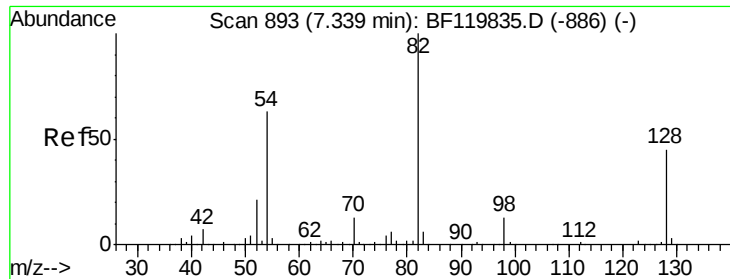
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Tgt Ion:	136	Resp:	800004
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	9.8	8.5	12.7
68	5.4	3.9	5.9



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

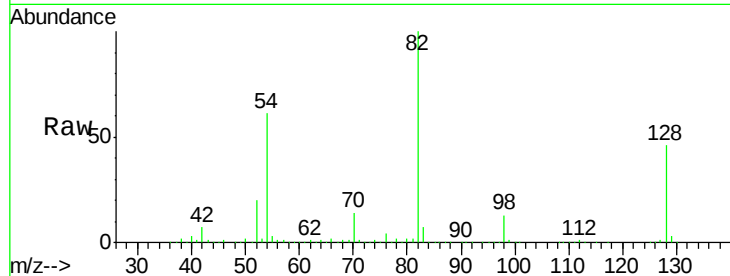




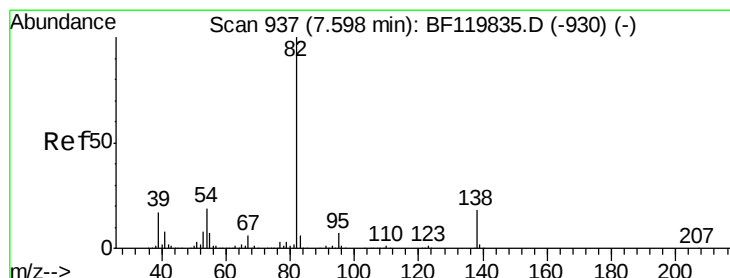
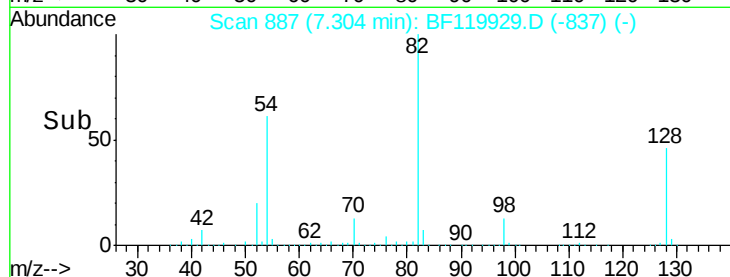
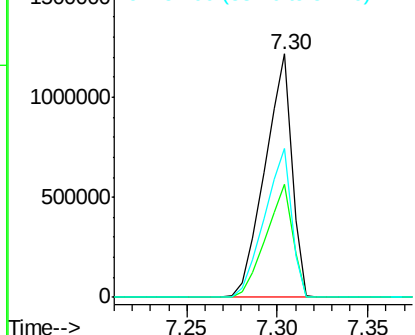
#23
Nitrobenzene-d5
Concen: 81.115 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Instrument :
BNA_F
ClientSampleId :
RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion: 82 Resp: 1254356
Ion Ratio Lower Upper
82 100
128 46.5 36.2 54.4
54 61.2 50.4 75.6

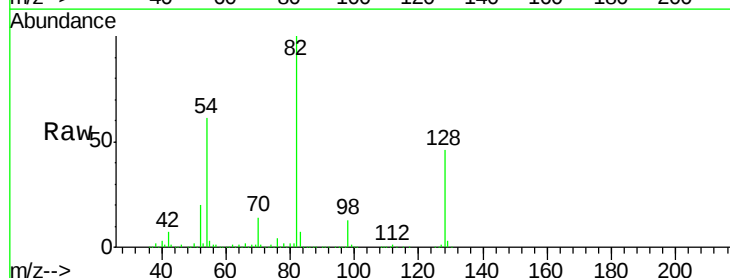


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

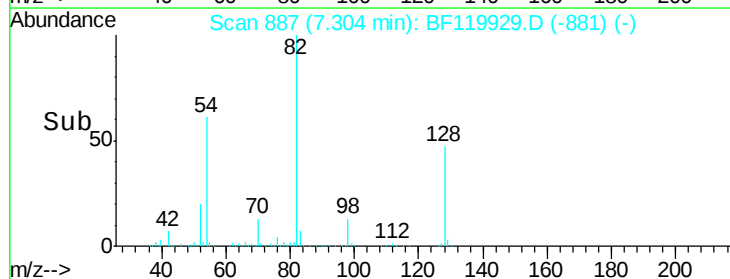
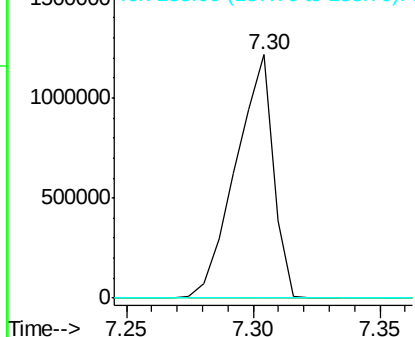


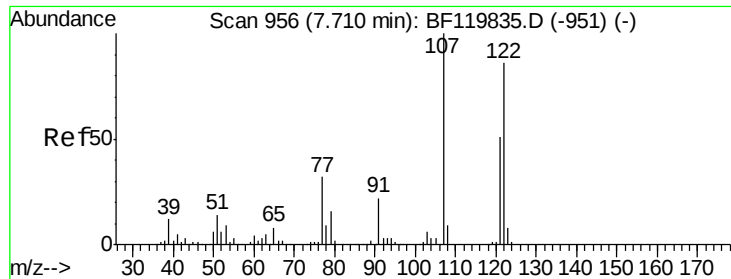
#25
Isophorone
Concen: 41.892 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Tgt Ion: 82 Resp: 1248789
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.5 21.7#



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

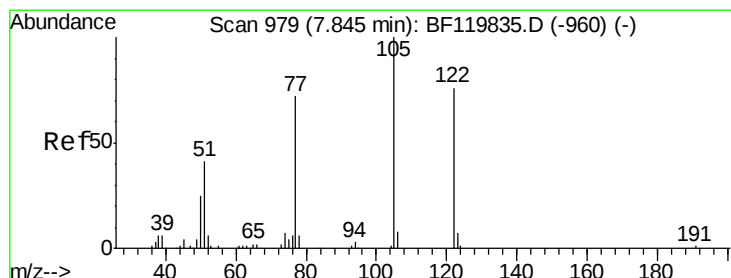
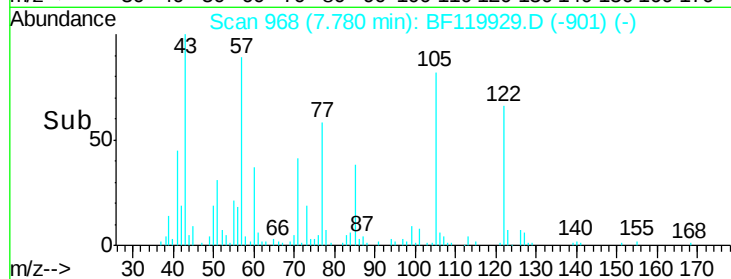
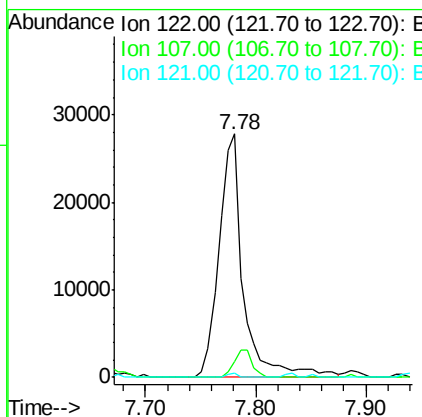
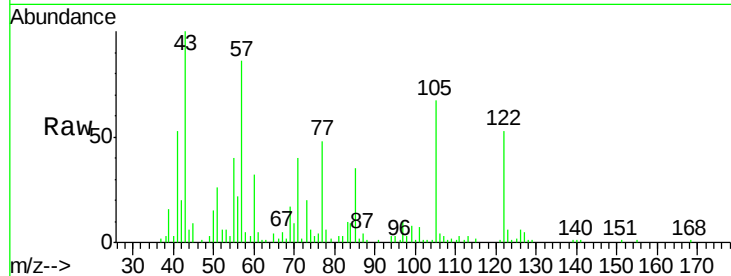




#27
2,4-Dimethylphenol
Concen: 3.617 ng
RT: 7.78 min Scan# 968
Delta R.T. 0.09 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

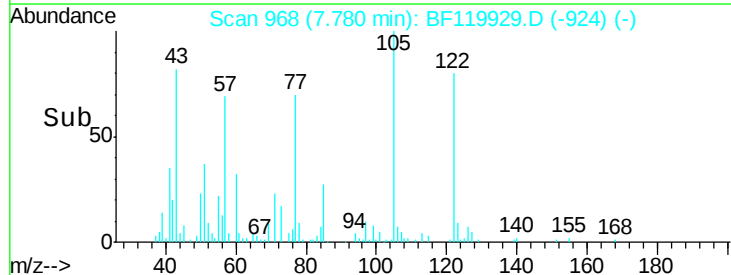
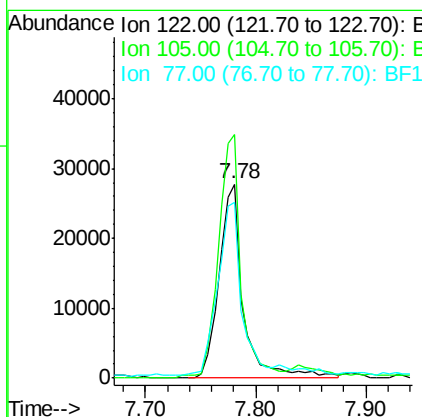
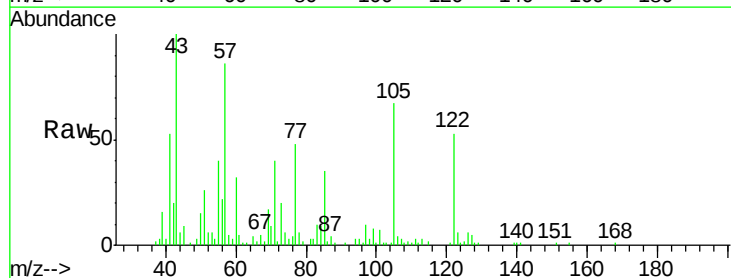
Instrument :
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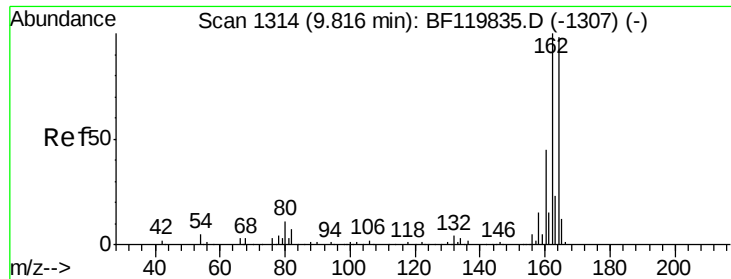
Tot Ion:122 Resp: 42397
Ion Ratio Lower Upper
122 100
107 6.3 92.3 138.5#
121 1.9 46.6 70.0#



#32
Benzoic acid
Concen: 4.118 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.04 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Tgt Ion:122 Resp: 42397
Ion Ratio Lower Upper
122 100
105 125.3 106.7 146.7
77 90.4 72.1 112.1

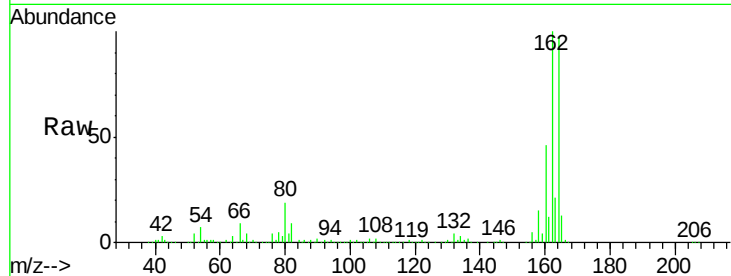




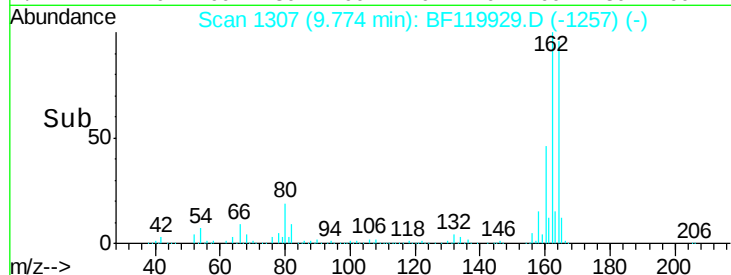
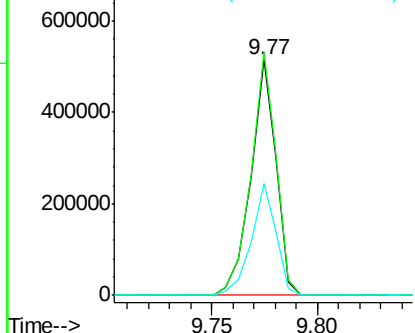
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Instrument :
BNA_F
ClientSampleId :
RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion:164 Resp: 427999
Ion Ratio Lower Upper
164 100
162 103.3 81.9 122.9
160 47.2 36.6 54.8

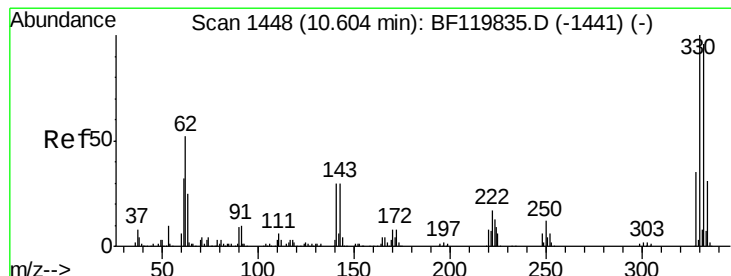


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

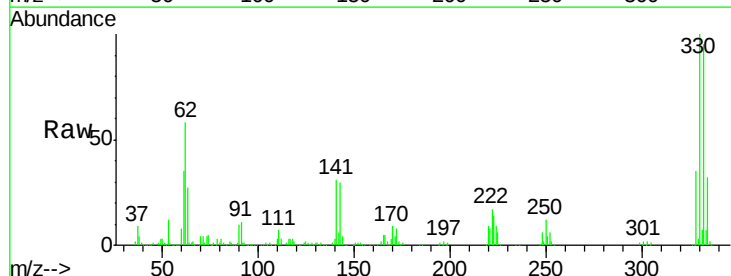
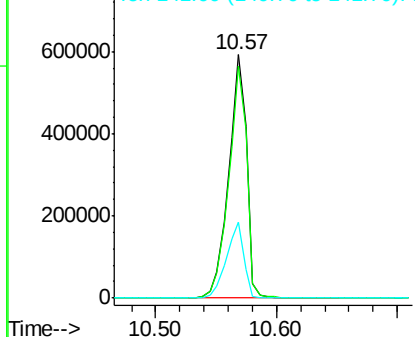


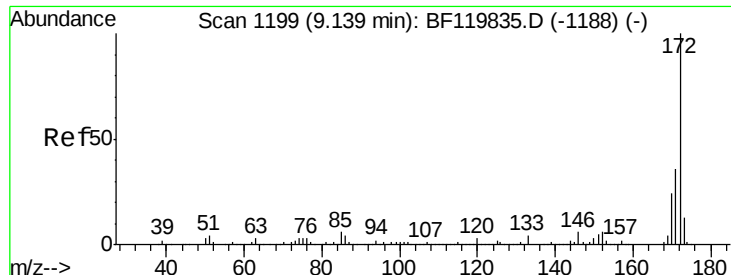
#42
2,4,6-Tribromophenol
Concen: 116.605 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Tgt Ion:330 Resp: 611029
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 30.5 25.1 37.7



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

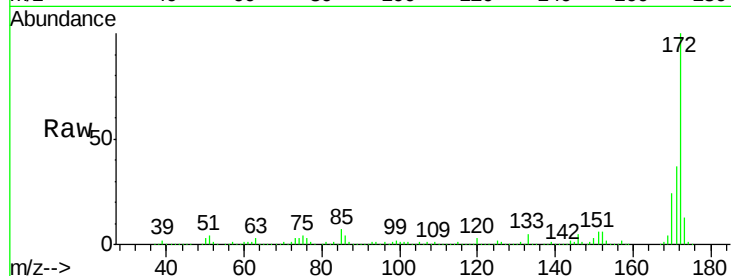




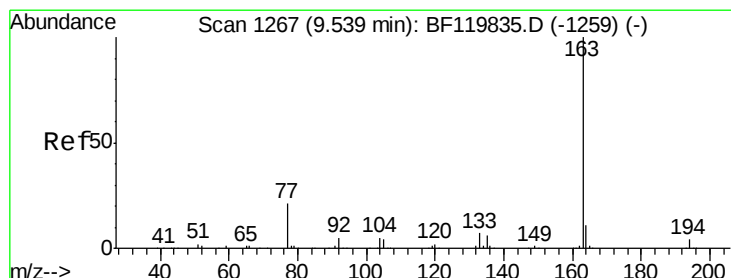
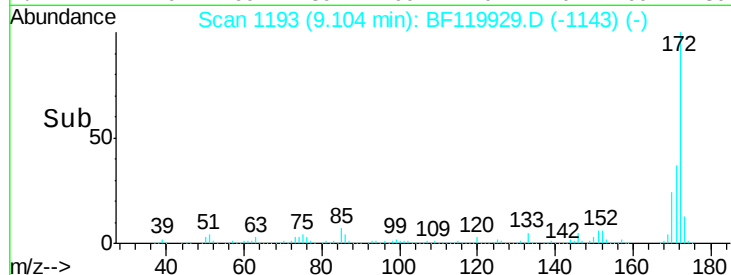
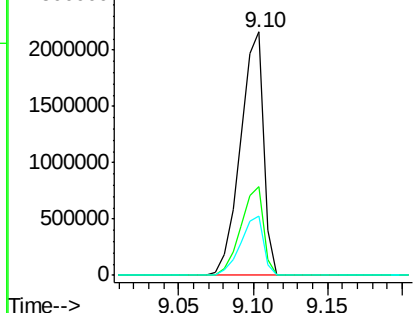
#45
2-Fluorobiphenyl
Concen: 76.915 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Instrument :
BNA_F
ClientSampleId :
RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion:172 Resp: 2318631
Ion Ratio Lower Upper
172 100
171 36.6 28.9 43.3
170 24.5 19.4 29.2

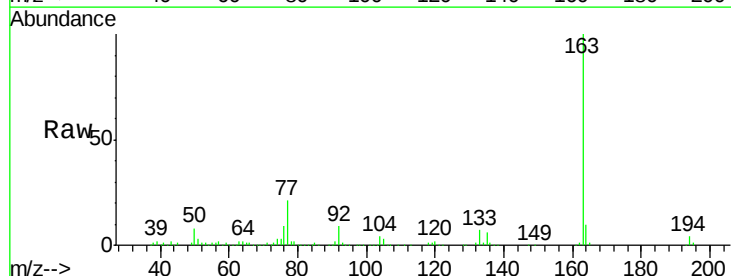


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

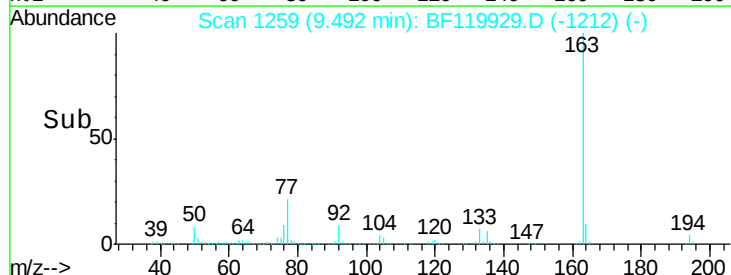
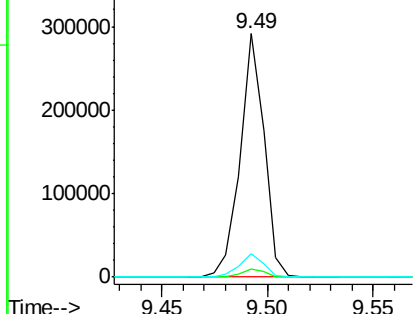


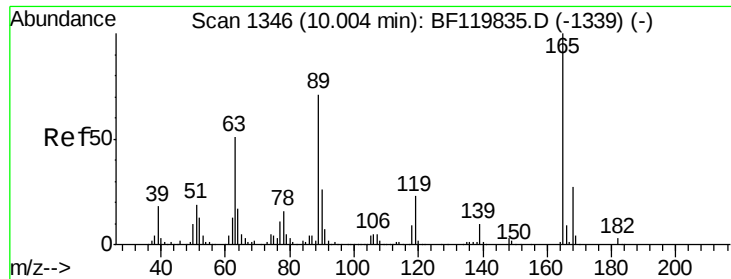
#50
Dimethylphthalate
Concen: 6.883 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

Tgt Ion:163 Resp: 227875
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 9.7 8.4 12.6



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

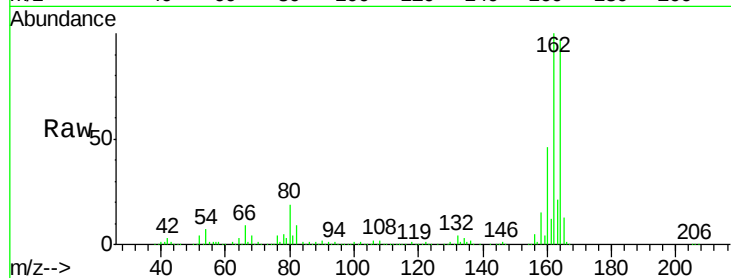




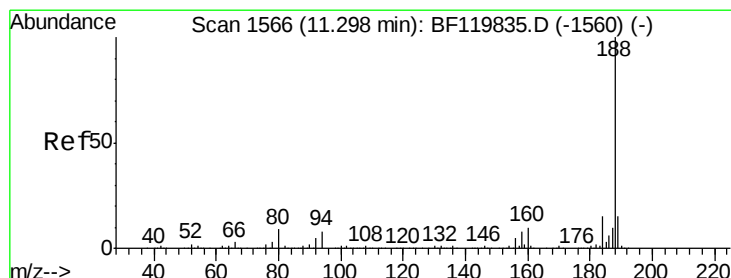
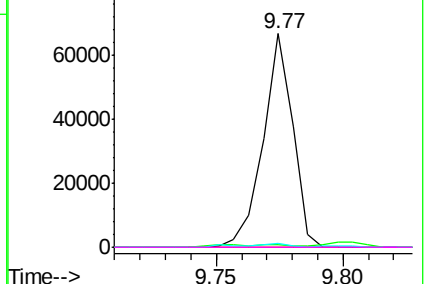
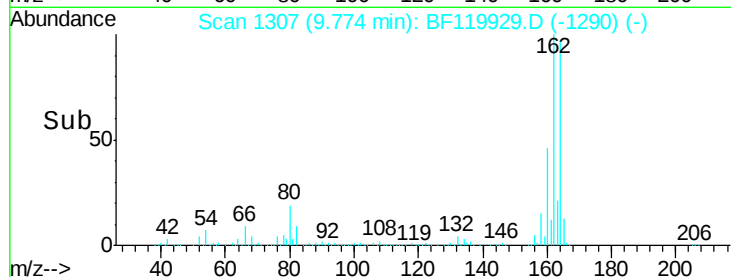
#57
 2,4-Dinitrotoluene
 Concen: 5.714 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF119929.D
 Acq: 13 Apr 2020 21:47

Instrument :
 BNA_F
 ClientSampleId :
 RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion:165 Resp: 54579
 Ion Ratio Lower Upper
 165 100
 63 1.1 40.8 61.2#
 89 1.6 56.9 85.3#
 182 0.0 2.0 3.0#

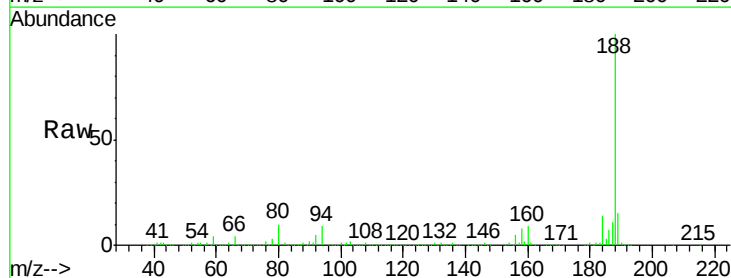


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

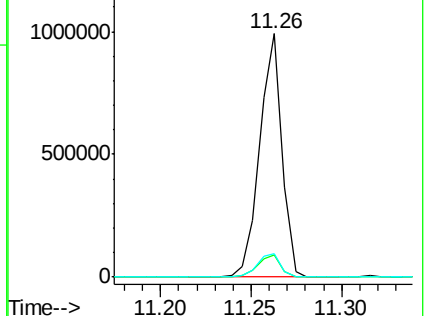
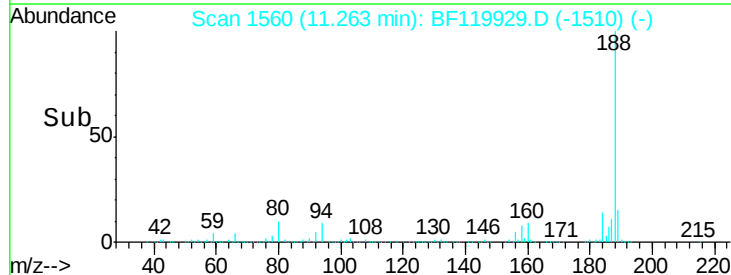


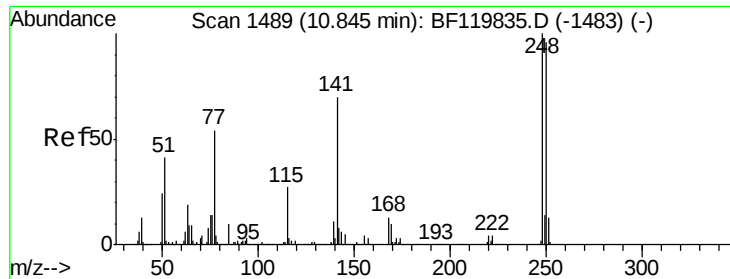
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF119929.D
 Acq: 13 Apr 2020 21:47

Tgt Ion:188 Resp: 847005
 Ion Ratio Lower Upper
 188 100
 94 9.2 6.7 10.1
 80 9.5 7.4 11.2



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

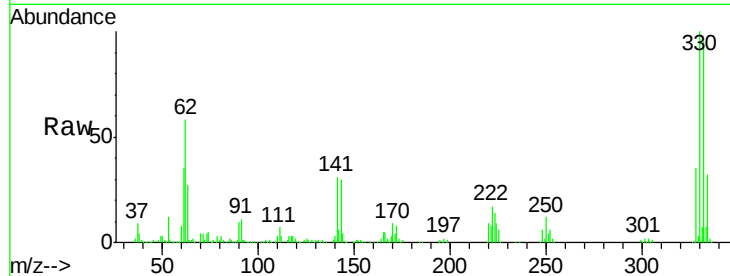




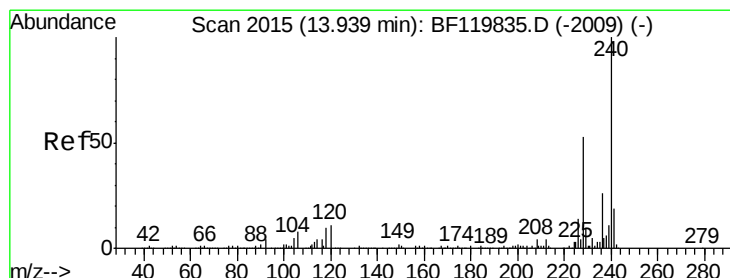
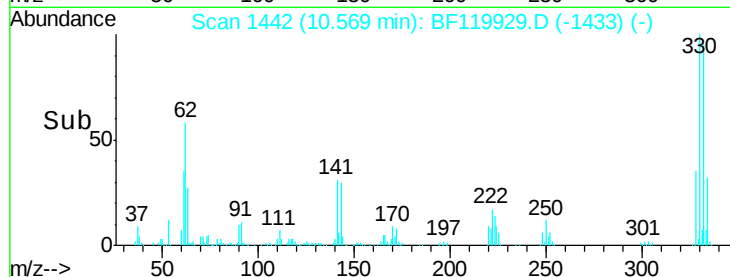
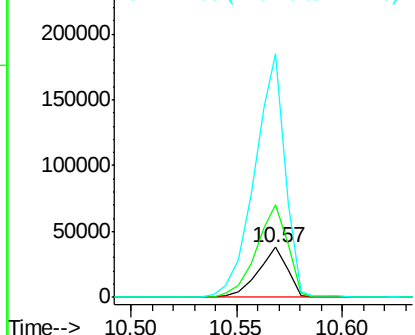
#67
 4-Bromophenyl-phenylether
 Concen: 3.524 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF119929.D
 Acq: 13 Apr 2020 21:47

Instrument :
 BNA_F
 ClientSampleId :
 RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion:248 Resp: 37122
 Ion Ratio Lower Upper
 248 100
 250 187.2 76.6 114.8#
 141 489.0 55.9 83.9#

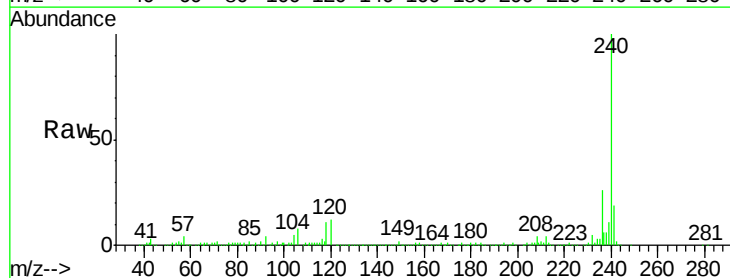


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

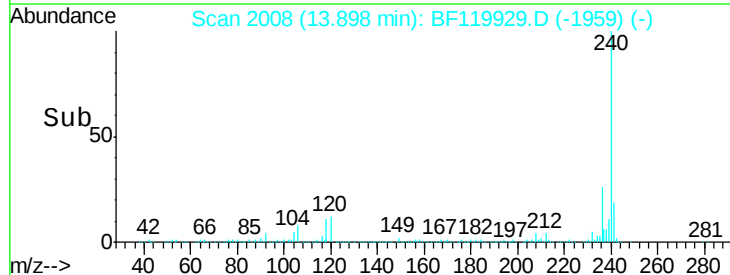
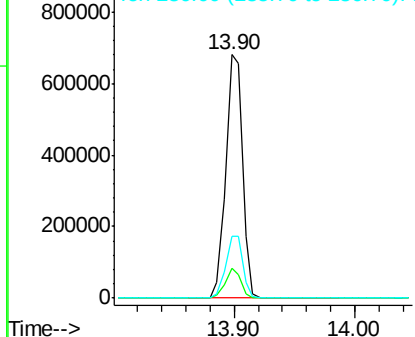


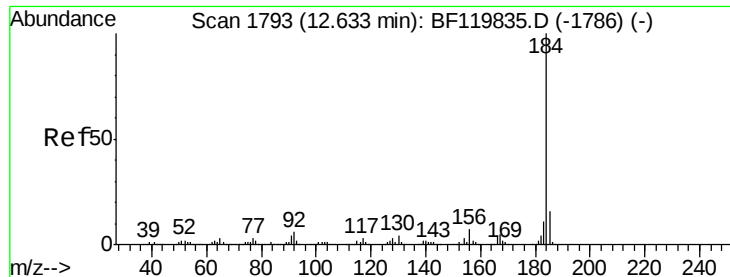
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF119929.D
 Acq: 13 Apr 2020 21:47

Tgt Ion:240 Resp: 654295
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.0 13.6
 236 25.6 20.7 31.1



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





#77

Benzidine

Concen: 10.667 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119929.D

Acq: 13 Apr 2020 21:47

Instrument :

BNA_F

ClientSampleId :

RECLAIM-SYSTEM-SLUDGE-SEPA

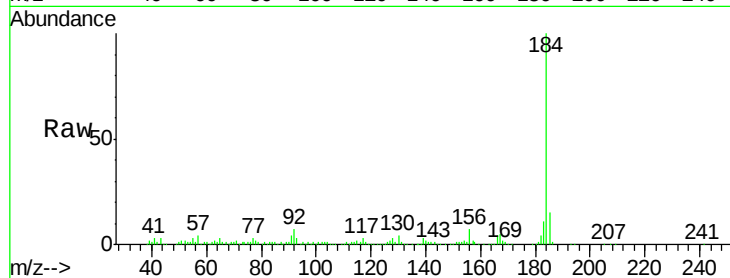
Tot Ion:184 Resp: 235931

Ion Ratio Lower Upper

184 100

185 14.8 13.2 19.8

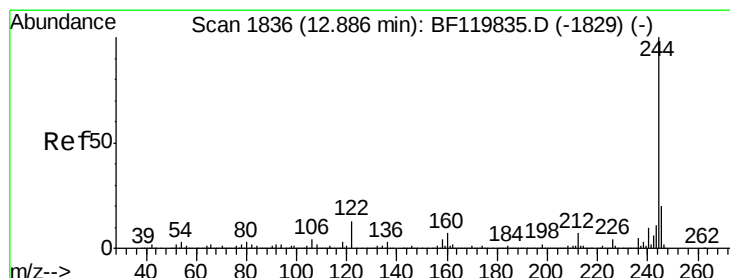
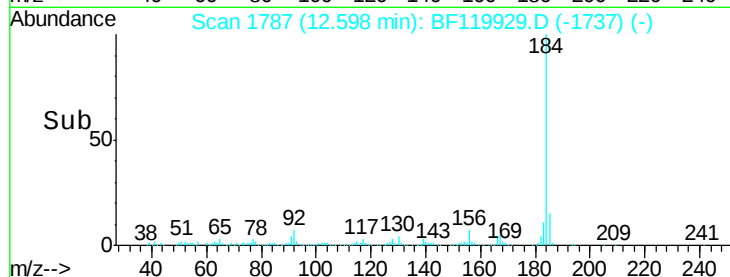
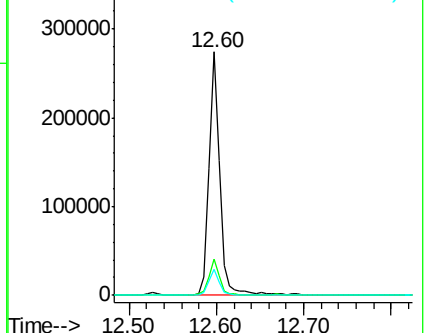
183 10.7 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 72.709 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF119929.D

Acq: 13 Apr 2020 21:47

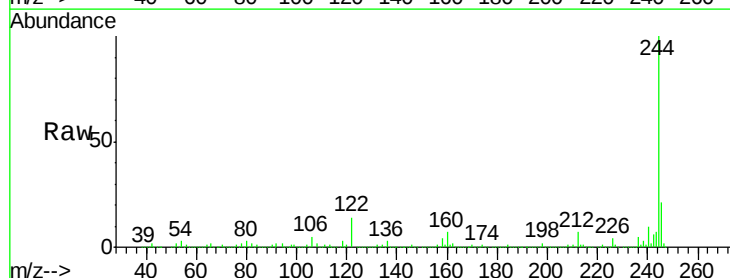
Tgt Ion:244 Resp: 2827279

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

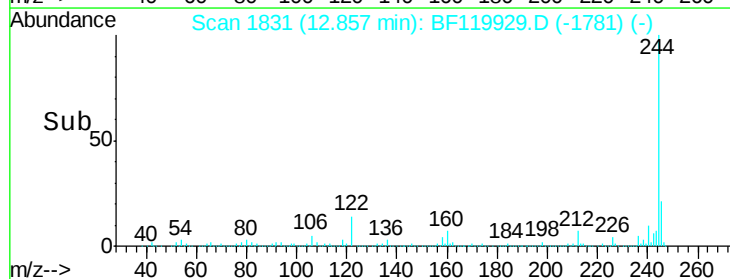
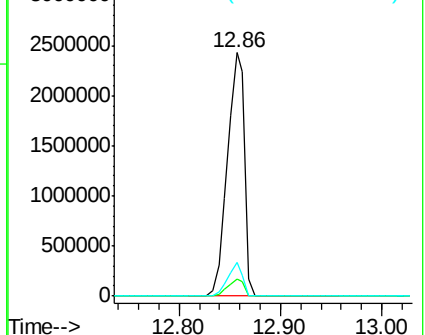
122 13.6 10.3 15.5

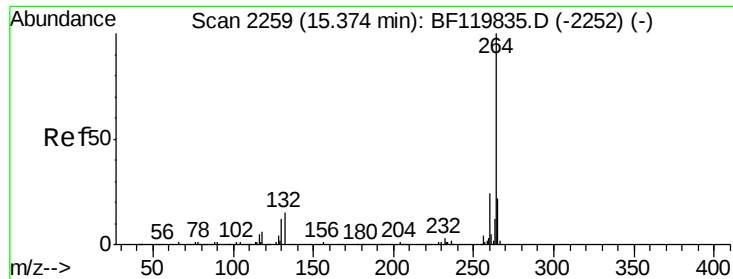


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.33 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: BF119929.D
 Acq: 13 Apr 2020 21:47

Instrument :
 BNA_F
 ClientSampleId :
 RECLAIM-SYSTEM-SLUDGE-SEPA

Tot Ion: 264 Resp: 567804
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.3 28.9
 265 21.8 17.6 26.4

