

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 03:31:40 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

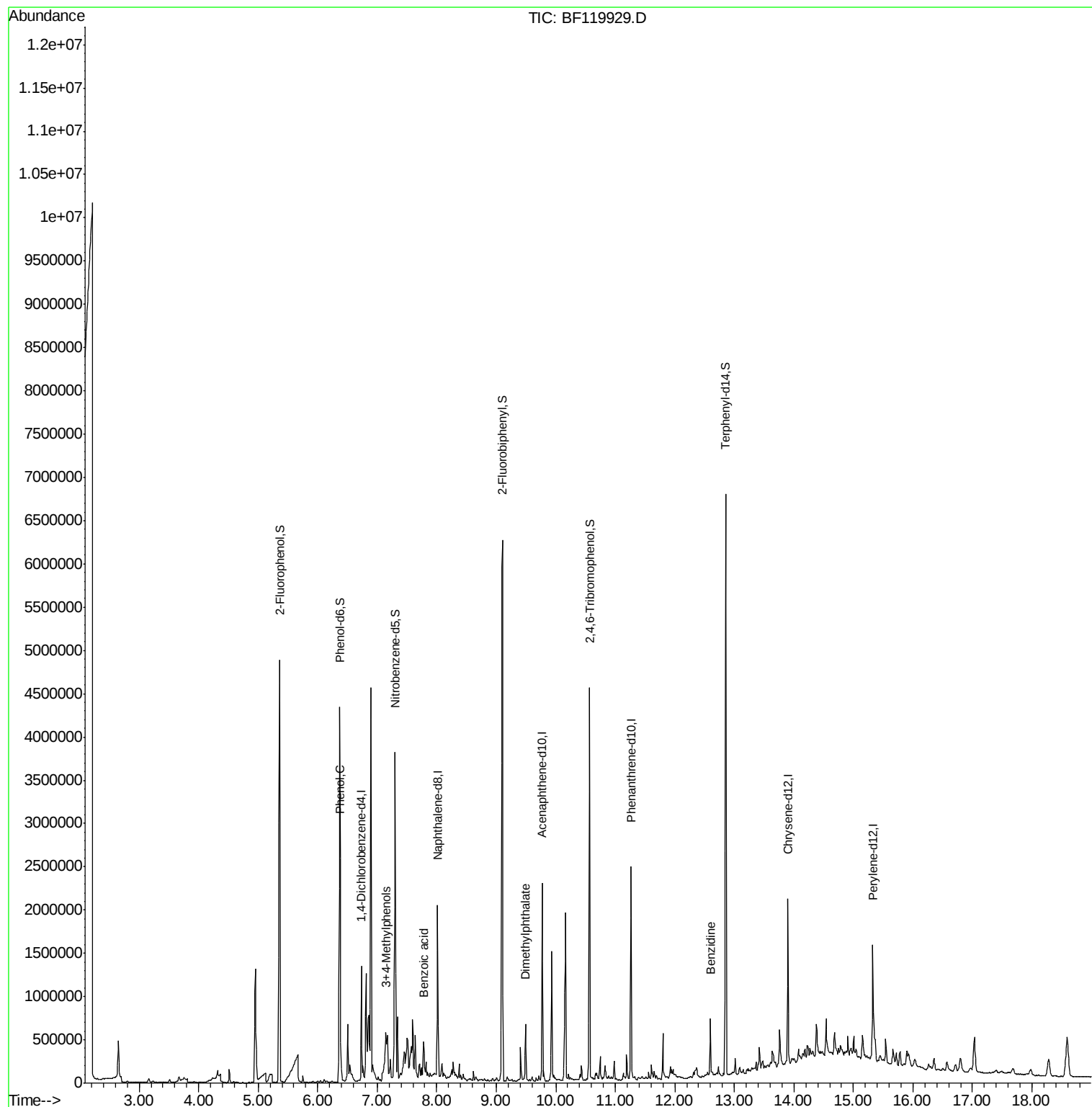
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	206201	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	800004	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	427999	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	847005	20.00	ng	0.00
76) Chrysene-d12	13.90	240	654295	20.00	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						
10) Phenol	6.39	94	35269	2.022	ng	90
20) 3+4-Methylphenols	7.15	107	57759	3.969	ng	# 64
32) Benzoic acid	7.78	122	42397	4.118	ng	99
50) Dimethylphthalate	9.49	163	227875	6.883	ng	98
77) Benzidine	12.60	184	235931	10.667	ng	97

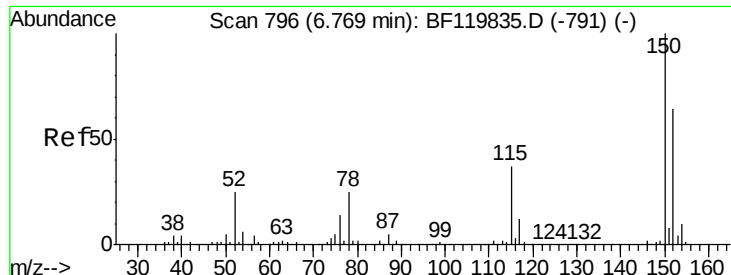
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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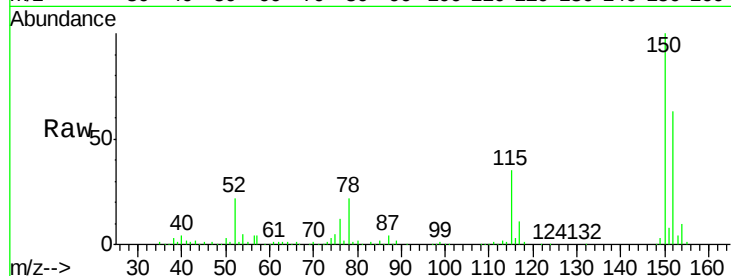


#1

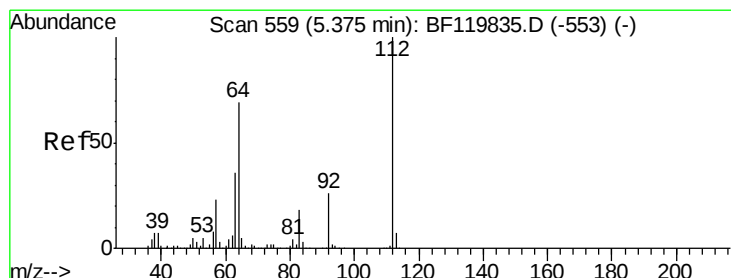
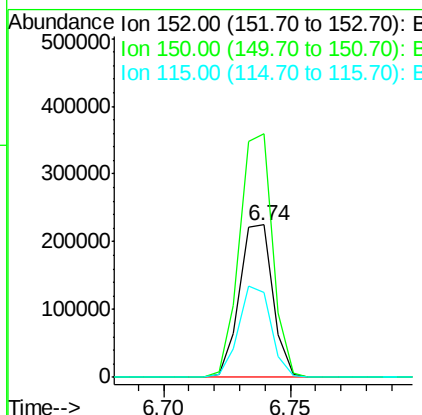
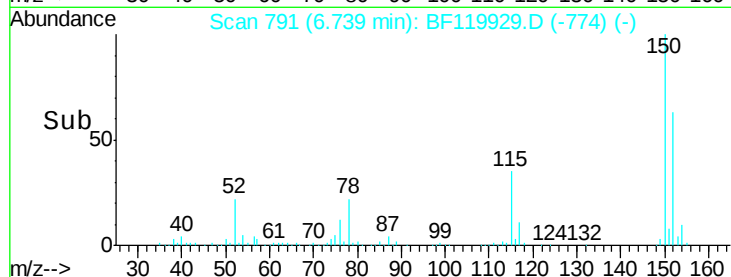
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

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



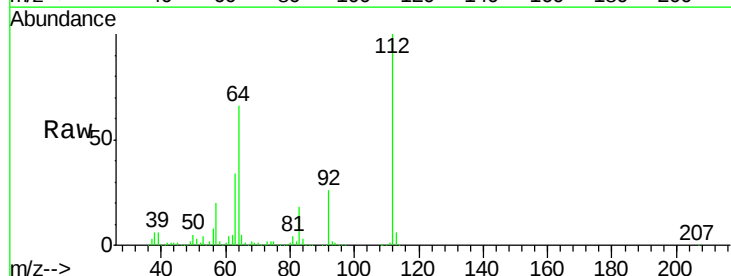
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



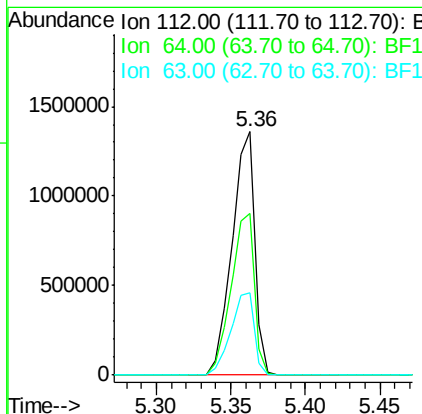
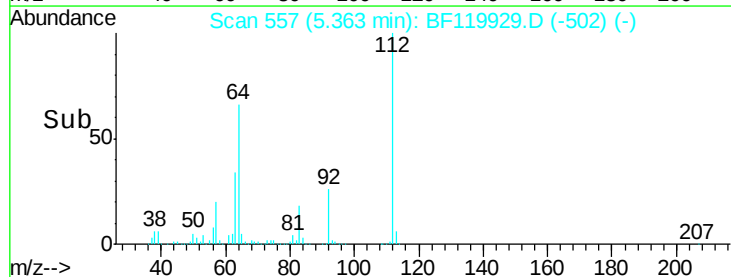
#5

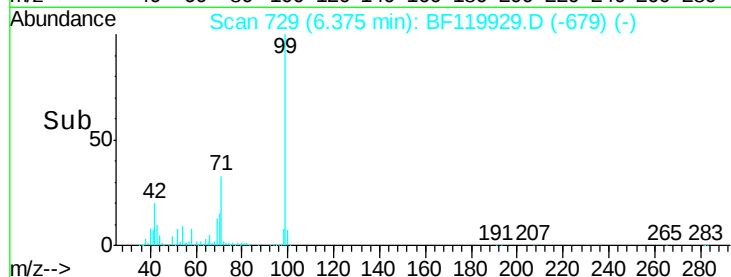
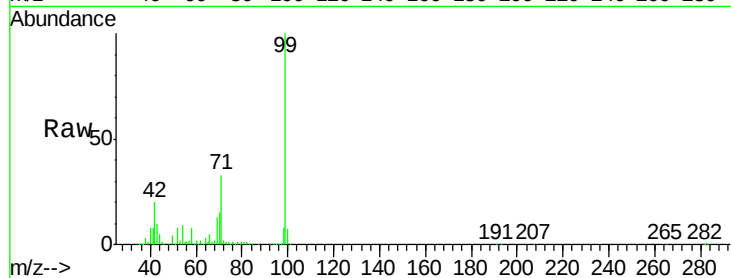
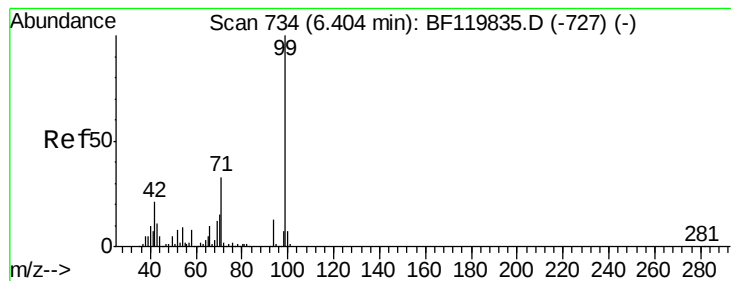
2-Fluorophenol
Concen: 122.526 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.02 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

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

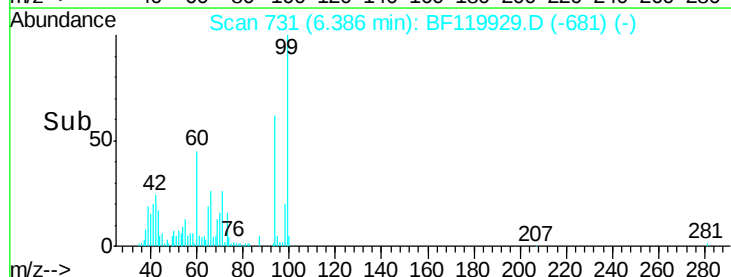
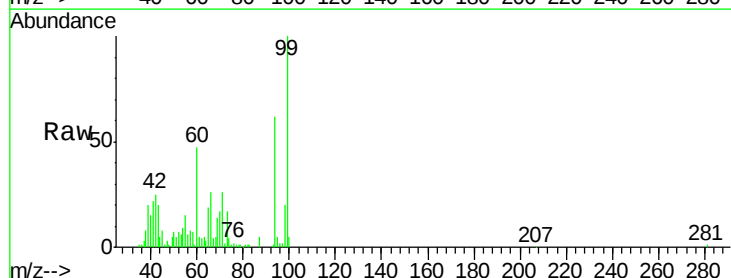
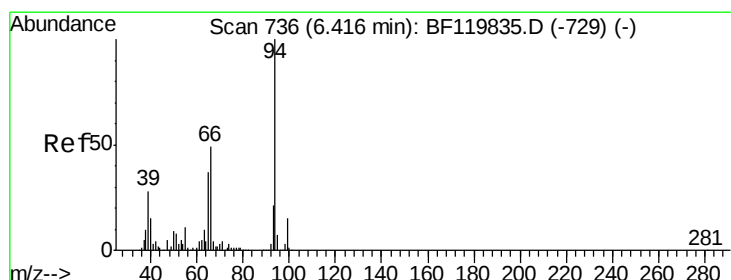
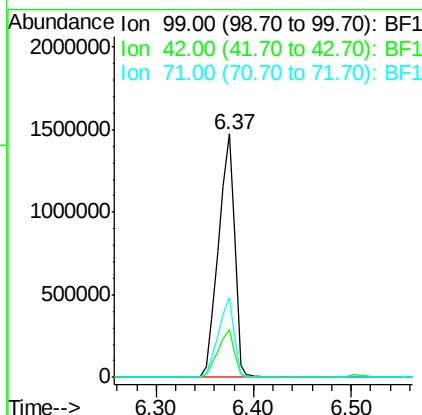
Tot Ion: 99 Resp: 1703507

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

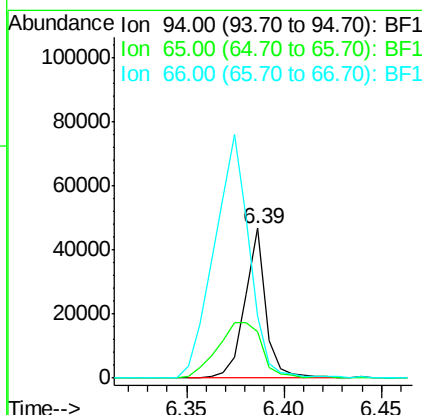
Tgt Ion: 94 Resp: 35269

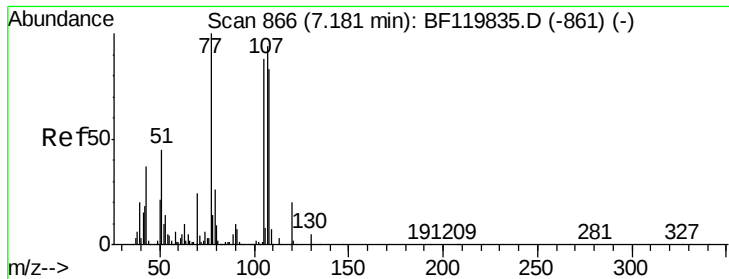
Ion Ratio Lower Upper

94 100

65 31.5 16.6 56.6

66 41.7 29.3 69.3





#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

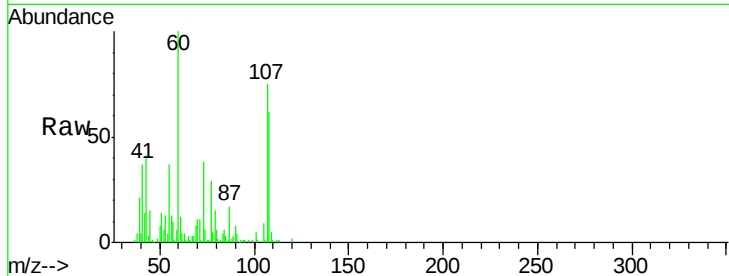
Ion Ratio Lower Upper

107 100

108 82.8 68.2 108.2

77 38.1 86.6 126.6#

79 19.8 7.7 47.7

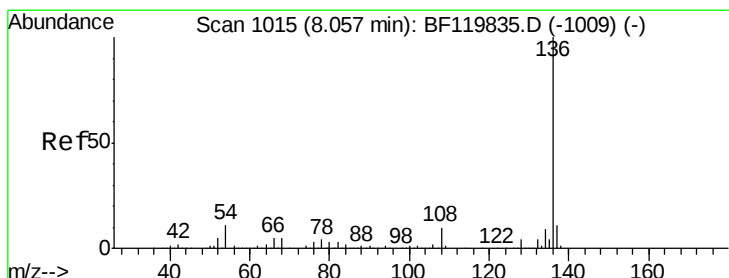
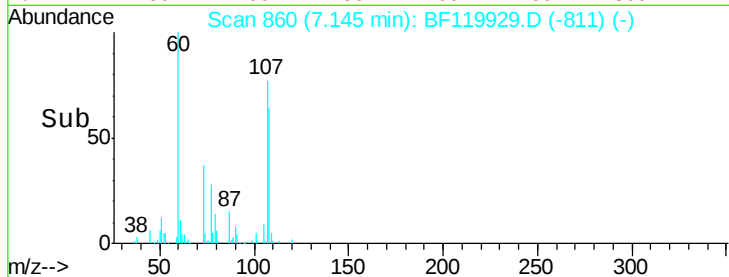
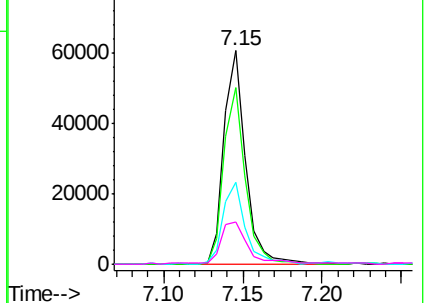


Abundance Ion 107.00 (106.70 to 107.70): E

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

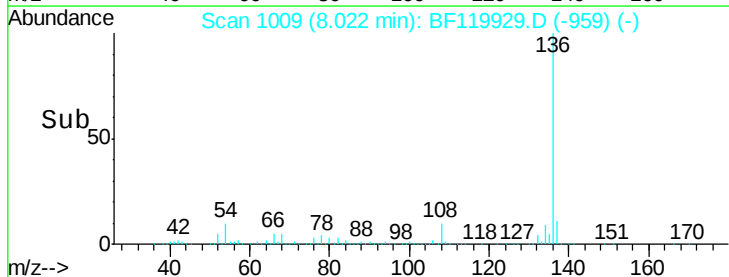
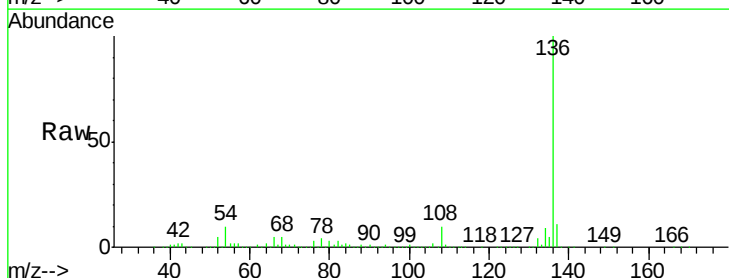
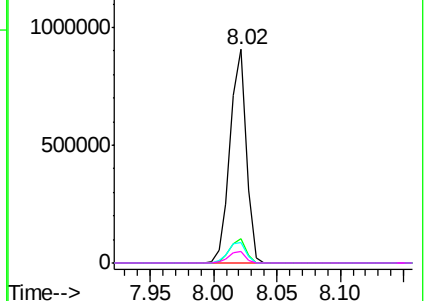
68 5.4 3.9 5.9

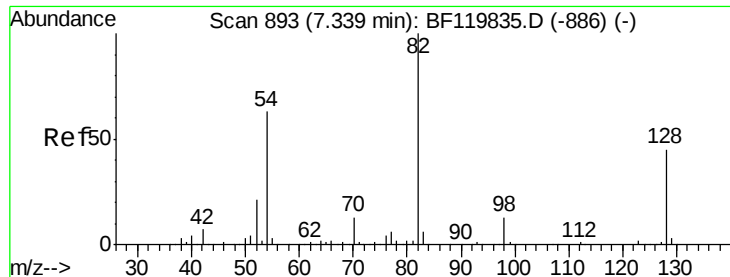
Abundance Ion 136.00 (135.70 to 136.70): E

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

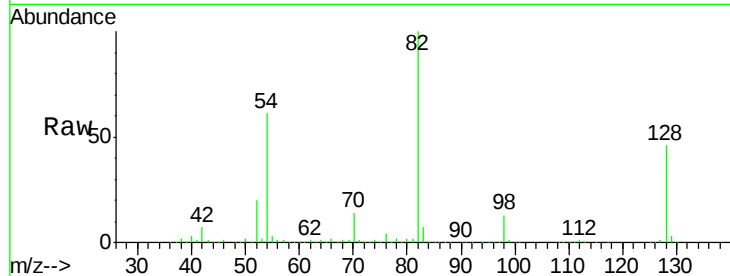




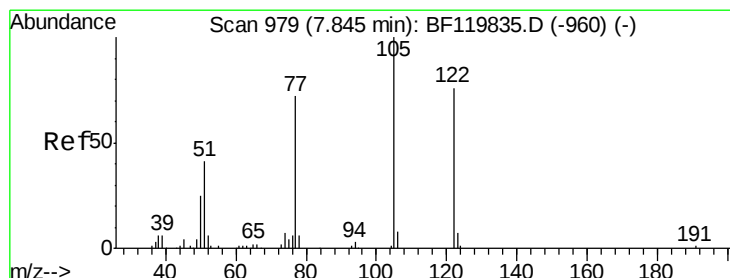
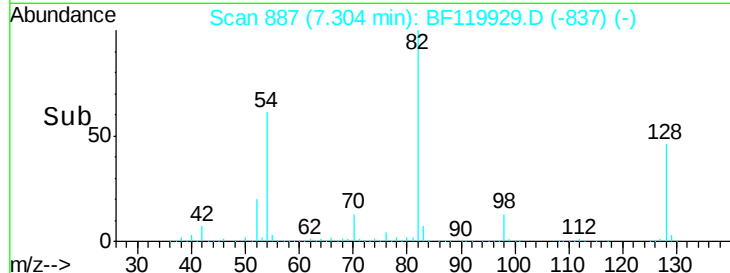
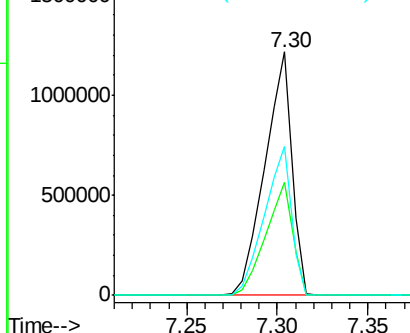
#23
 Nitrobenzene-d5
 Concen: 81.115 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: BF119929.D
 Acq: 13 Apr 2020 21:47

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

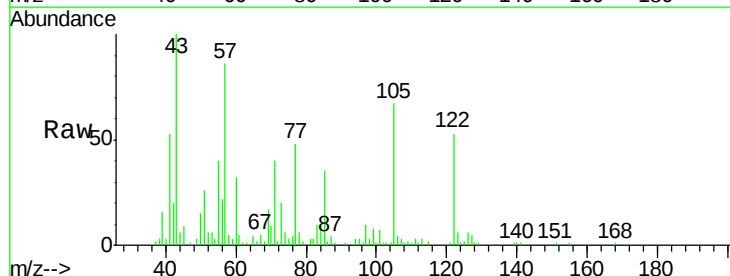


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

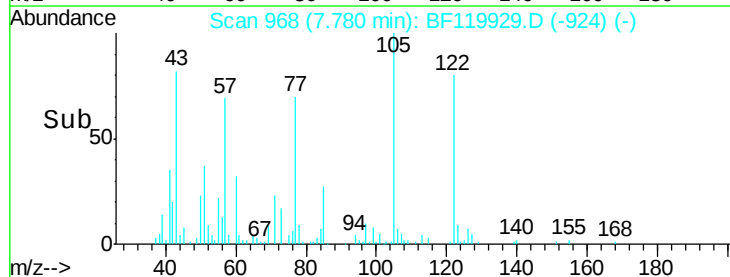
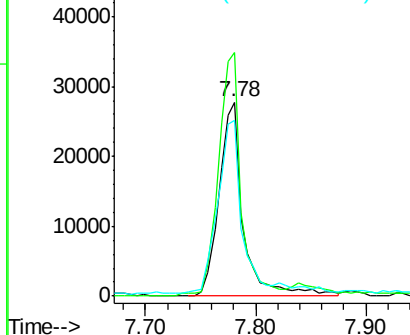


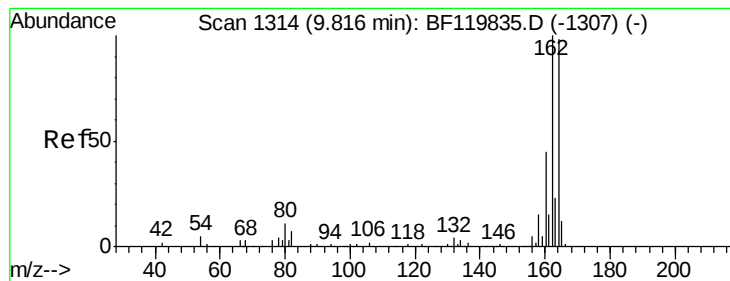
#32
 Benzoic acid
 Concen: 4.118 ng
 RT: 7.78 min Scan# 968
 Delta R.T. -0.04 min
 Lab File: BF119929.D
 Acq: 13 Apr 2020 21:47

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



Abundance Ion 122.00 (121.70 to 122.70): BF1
 Ion 105.00 (104.70 to 105.70): BF1
 Ion 77.00 (76.70 to 77.70): BF1





#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 :

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ClientSampleId :

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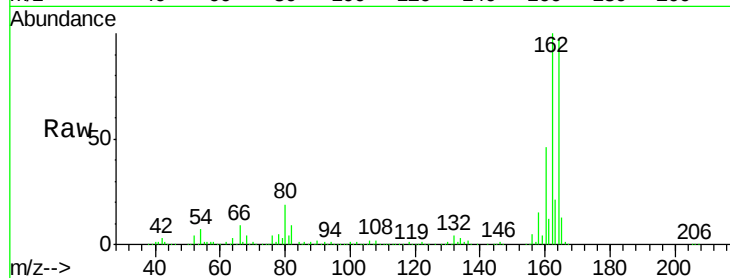
Tot Ion:164 Resp: 427999

Ion Ratio Lower Upper

164 100

162 103.3 81.9 122.9

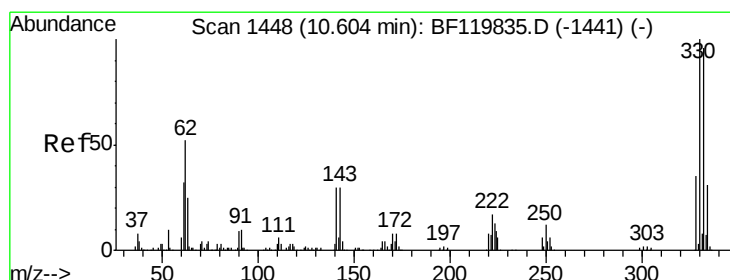
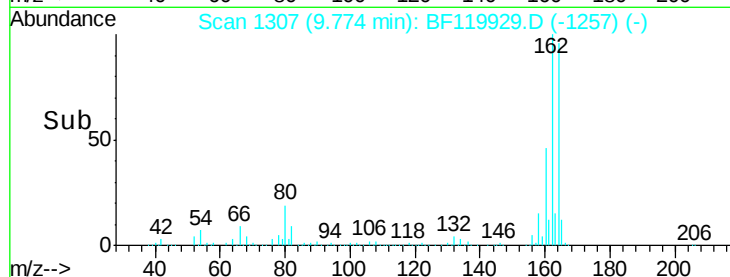
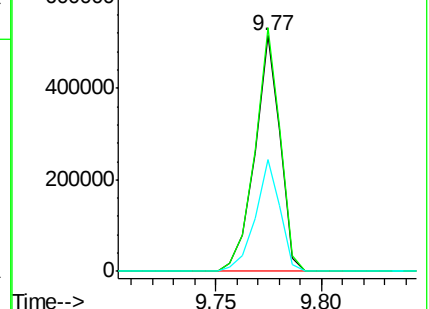
160 47.2 36.6 54.8



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

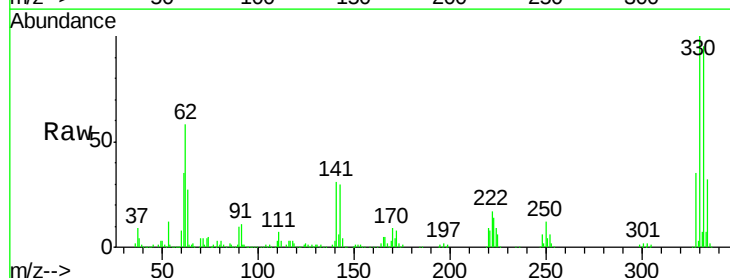
Tgt Ion:330 Resp: 611029

Ion Ratio Lower Upper

330 100

332 96.3 76.8 115.2

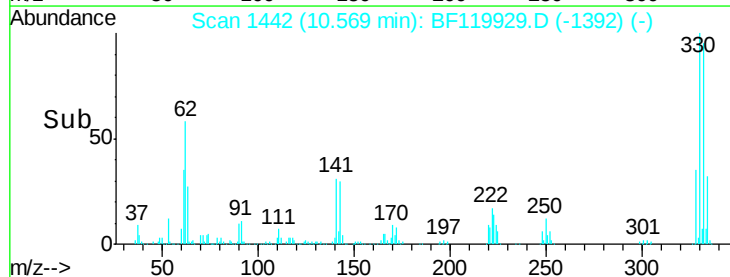
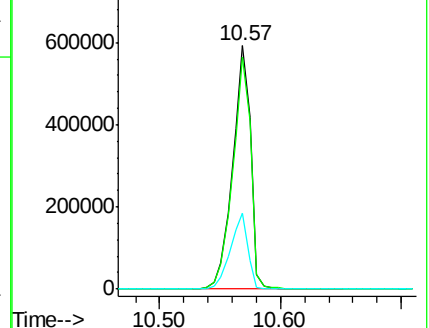
141 30.5 25.1 37.7

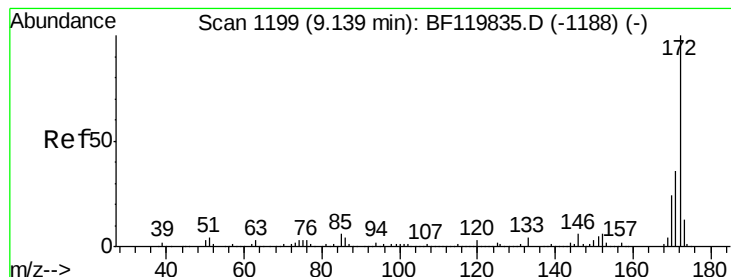


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

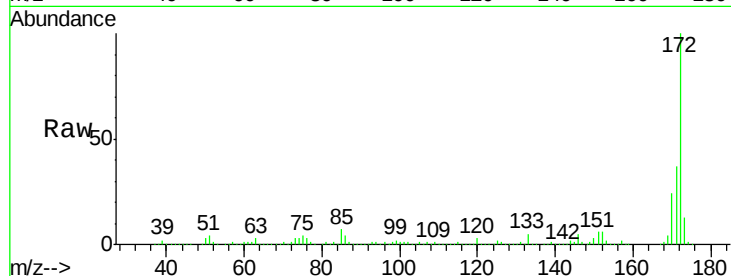




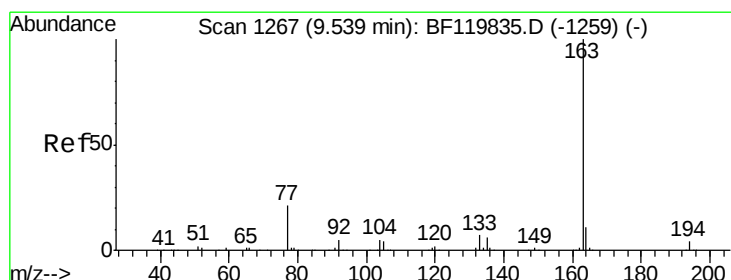
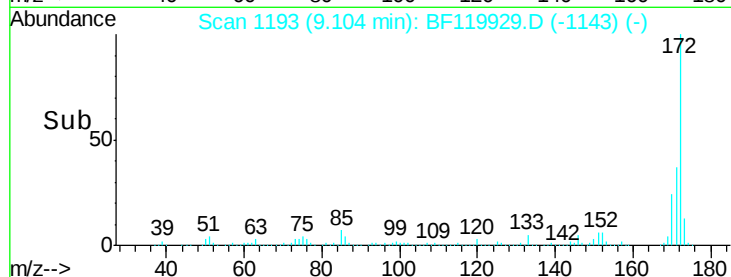
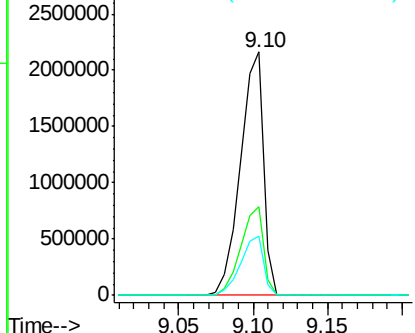
#45
2-Fluorobiphenyl
Concen: 76.915 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

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

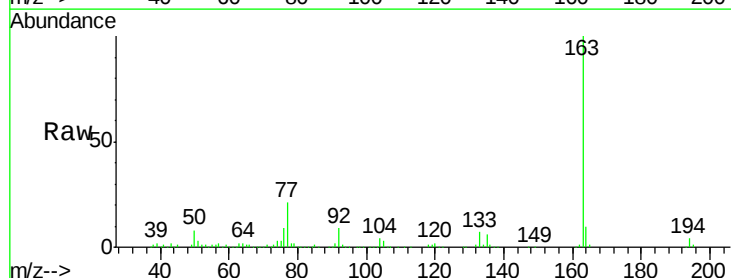


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

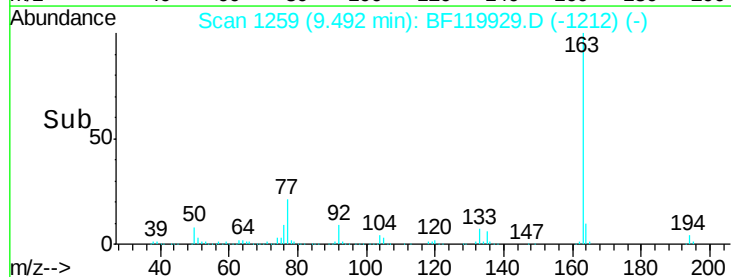
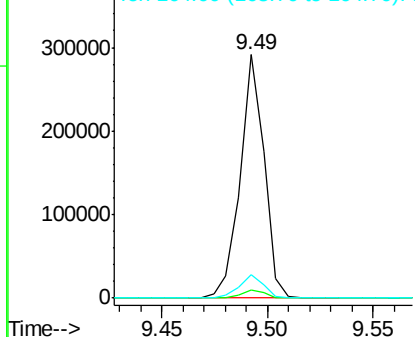


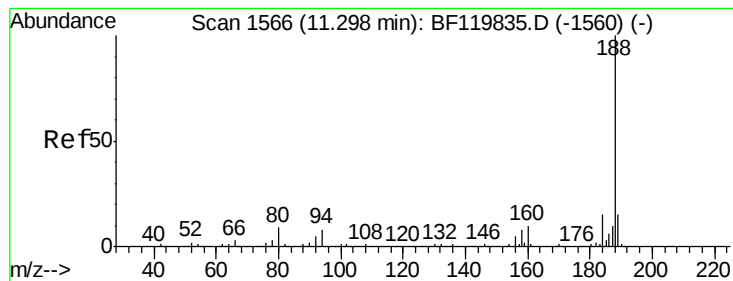
#50
Dimethylphthalate
Concen: 6.883 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF119929.D
Acq: 13 Apr 2020 21:47

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





#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

Instrument :

BNA_F

ClientSampleId :

RECLAIM-SYSTEM-SLUDGE-SEPA

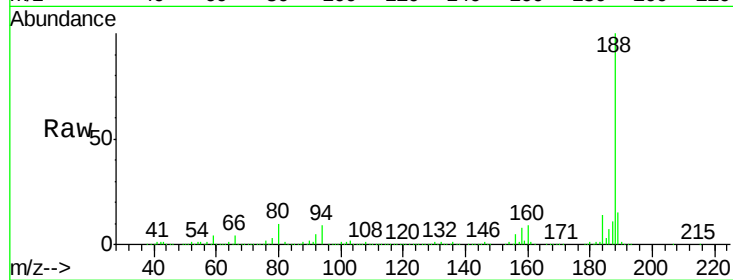
Tot Ion:188 Resp: 847005

Ion Ratio Lower Upper

188 100

94 9.2 6.7 10.1

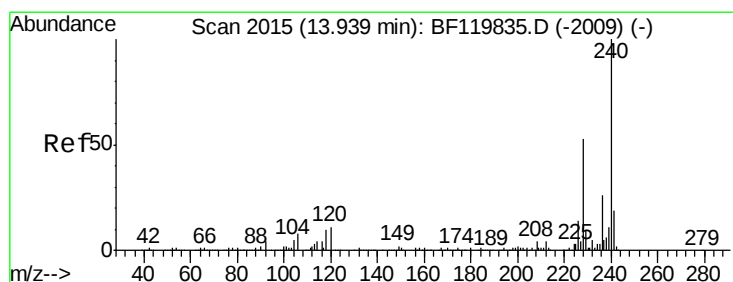
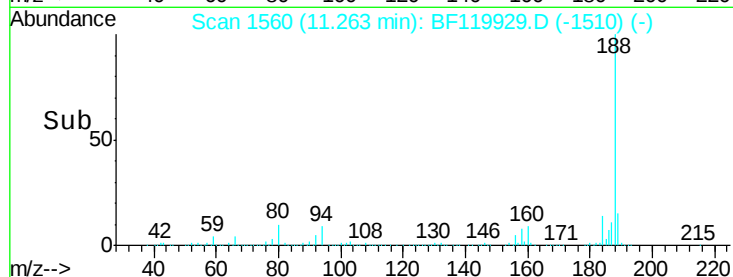
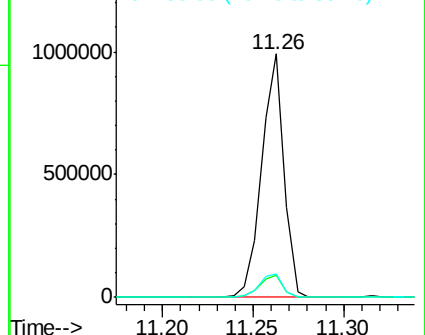
80 9.5 7.4 11.2



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



#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

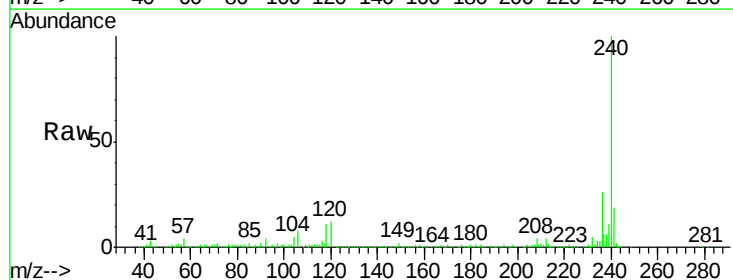
Tgt Ion:240 Resp: 654295

Ion Ratio Lower Upper

240 100

120 12.2 9.0 13.6

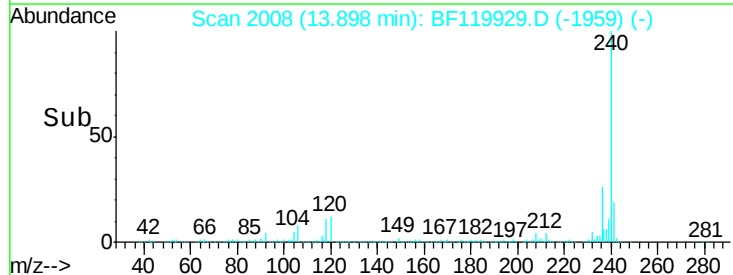
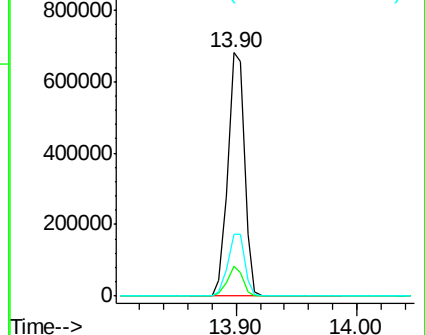
236 25.6 20.7 31.1

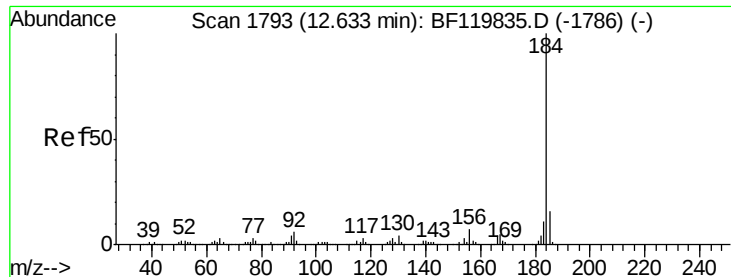


Abundance Ion 240.00 (239.70 to 240.70): E

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

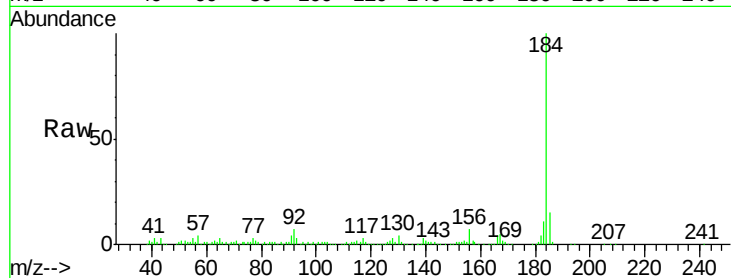
Tot Ion:184 Resp: 235931

Ion Ratio Lower Upper

184 100

185 14.8 13.2 19.8

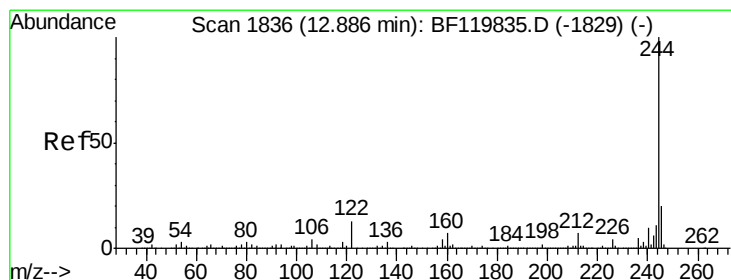
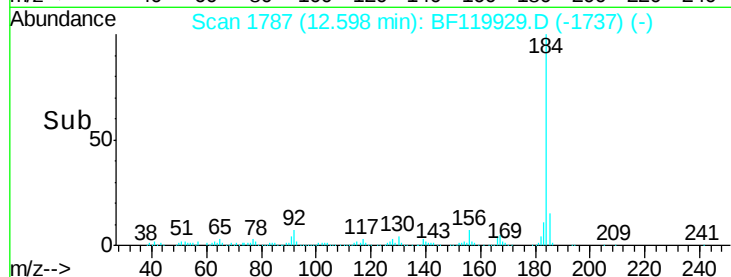
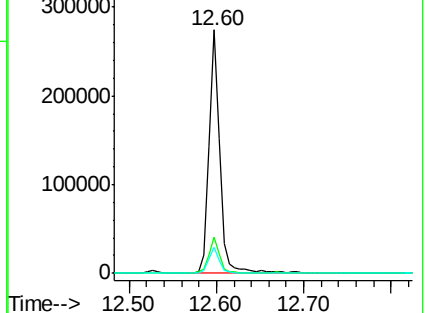
183 10.7 9.1 13.7



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

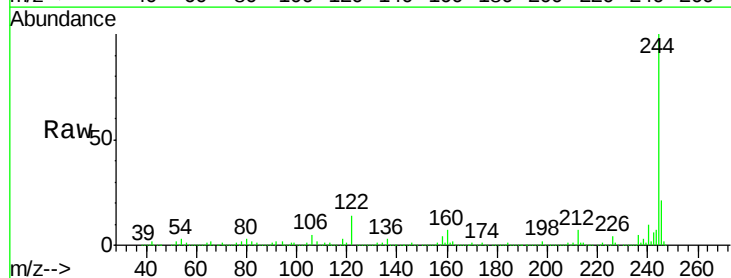
Tgt Ion:244 Resp: 2827279

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

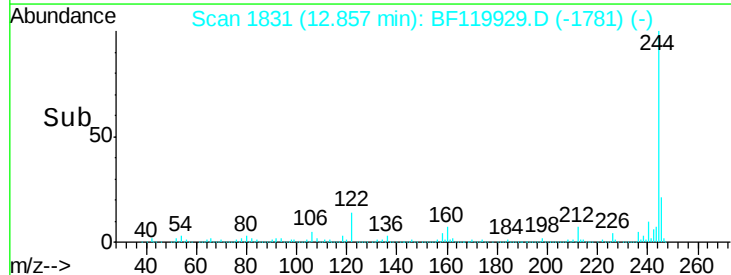
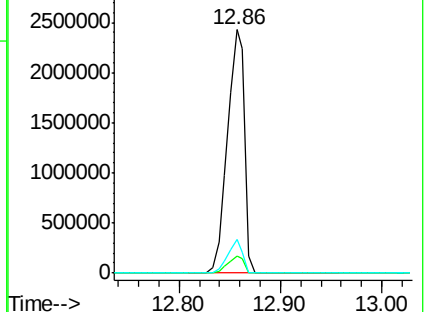
122 13.6 10.3 15.5

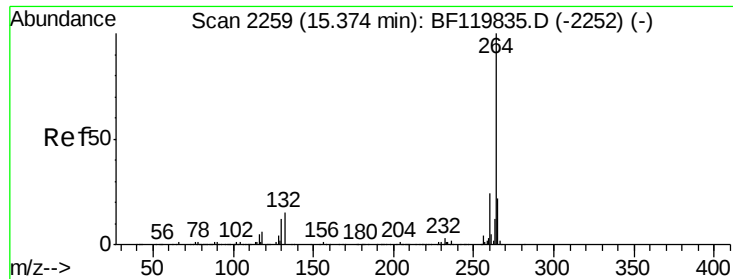


Abundance Ion 244.00 (243.70 to 244.70): E

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	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	21.8	17.6	26.4

