

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042220\
 Data File : BF120150.D
 Acq On : 23 Apr 2020 3:51
 Operator : MA/SJ
 Sample : L2123-14
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020

Quant Time: Apr 23 04:48:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 11:49:00 2020
 Response via : Initial Calibration

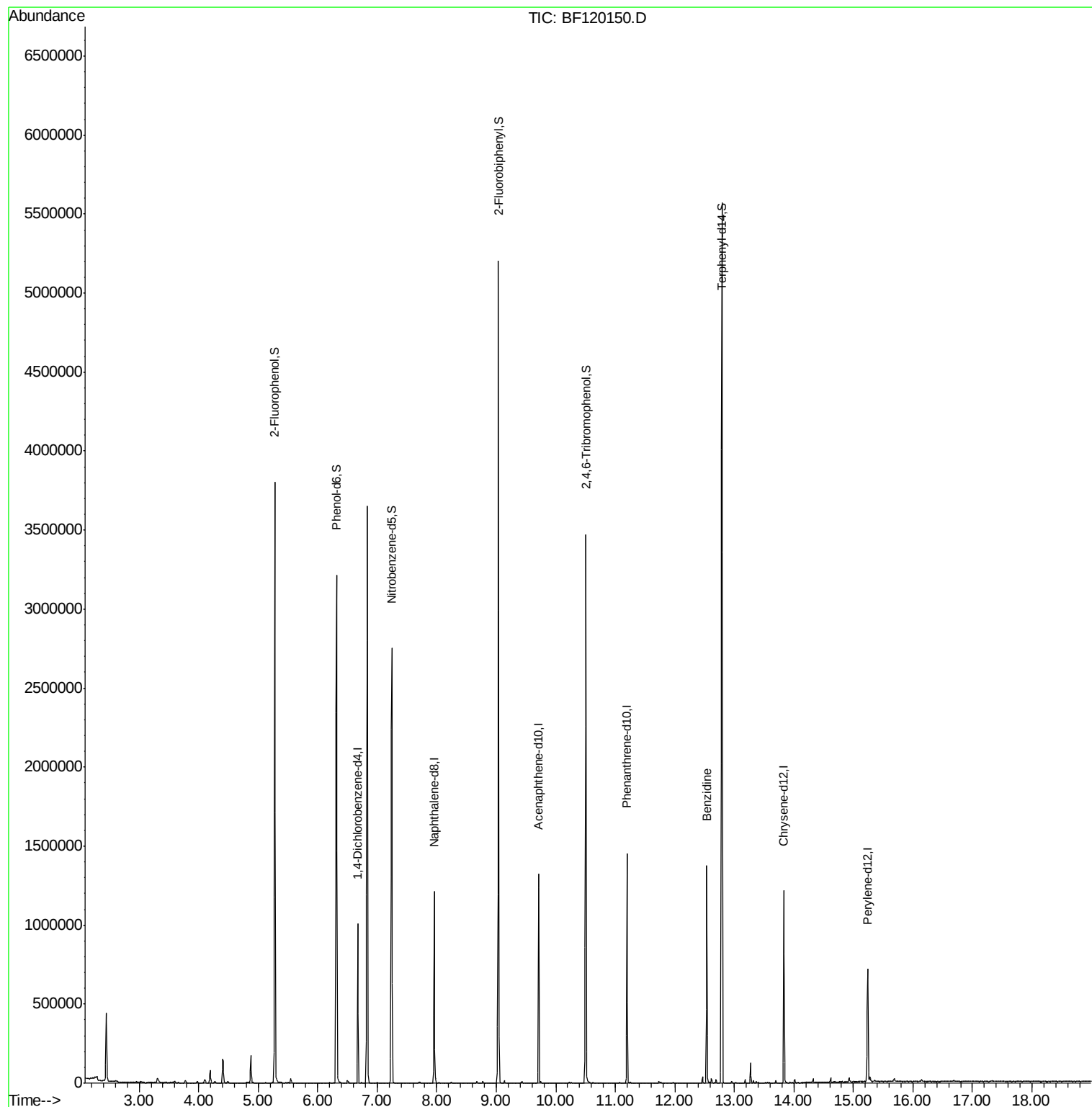
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	137380	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	535351	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	273228	20.00	ng	-0.01
64) Phenanthrene-d10	11.20	188	518949	20.00	ng	0.00
76) Chrysene-d12	13.83	240	391047	20.00	ng	-0.02
87) Perylene-d12	15.24	264	319968	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	958820	120.62	ng	0.00
7) Phenol-d6	6.32	99	1095475	106.95	ng	-0.01
23) Nitrobenzene-d5	7.25	82	891380	86.14	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	408244	122.04	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	1722924	89.53	ng	-0.01
79) Terphenyl-d14	12.79	244	2091608	90.00	ng	0.00
Target Compounds						
77) Benzidine	12.54	184	536425	40.58	ng	Qvalue 97

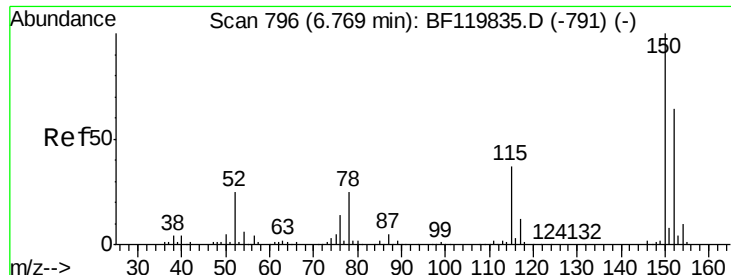
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.01 min

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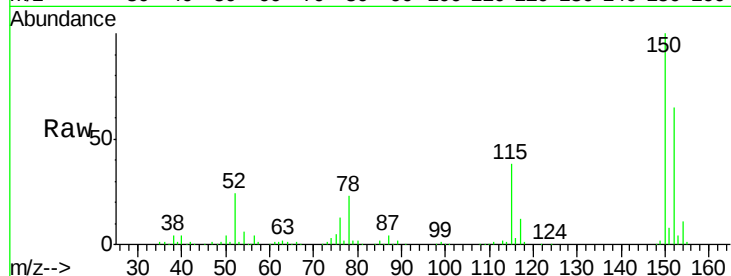
Tgt Ion:152 Resp: 137380

Ion Ratio Lower Upper

152 100

150 154.5 124.5 186.7

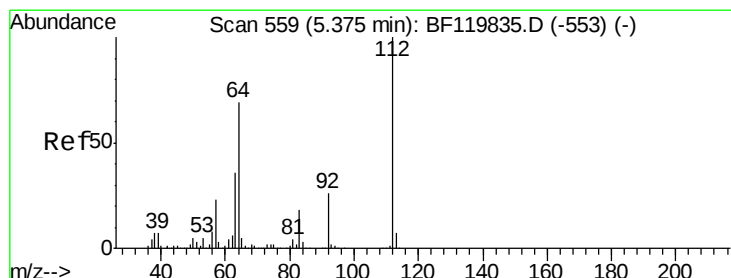
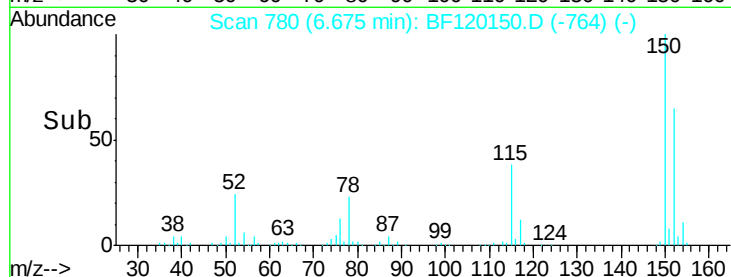
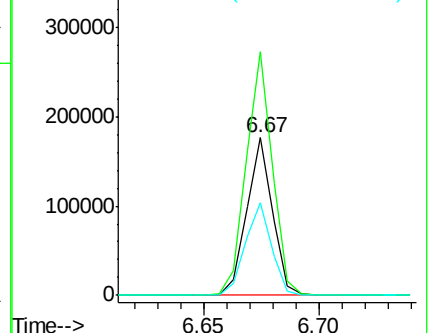
115 58.6 49.6 74.4



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: 120.62 ng

RT: 5.28 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

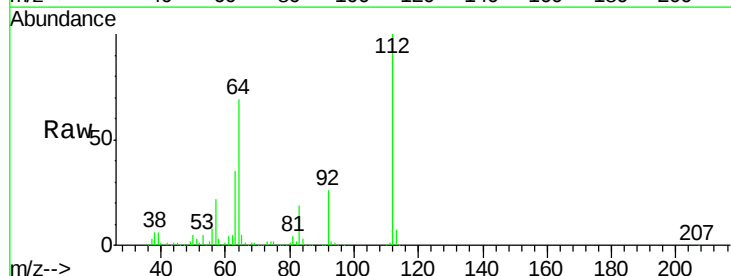
Tgt Ion:112 Resp: 958820

Ion Ratio Lower Upper

112 100

64 69.4 56.7 85.1

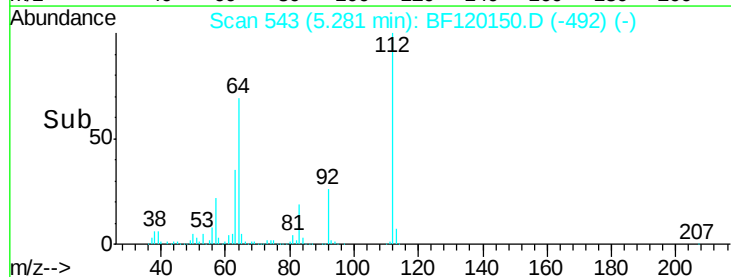
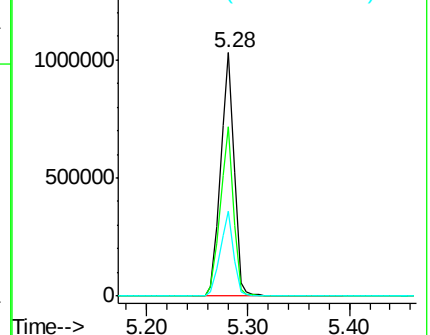
63 34.9 29.5 44.3



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: 106.95 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

Instrument :

BNA_F

ClientSampleId :

TR-05-042020

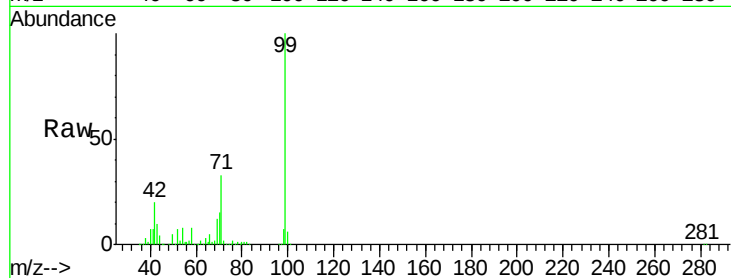
Tgt Ion: 99 Resp: 1095475

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

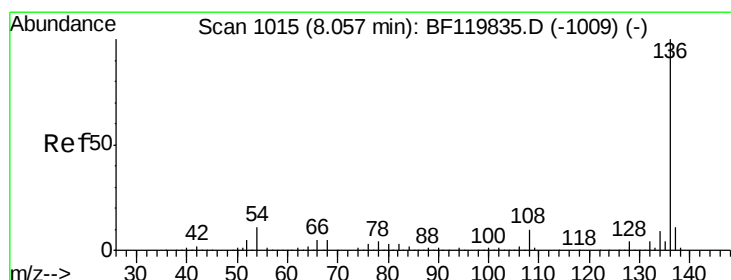
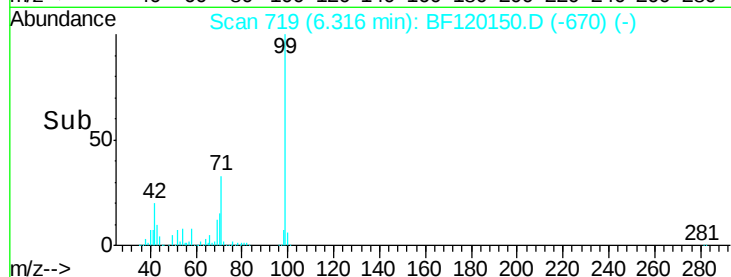
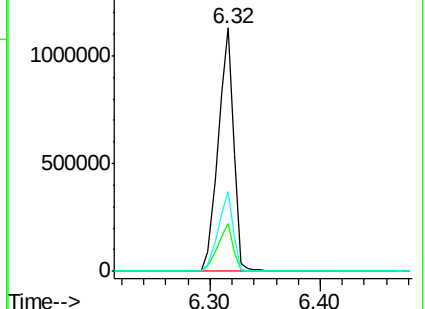
71 32.5 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

Tgt Ion: 136 Resp: 535351

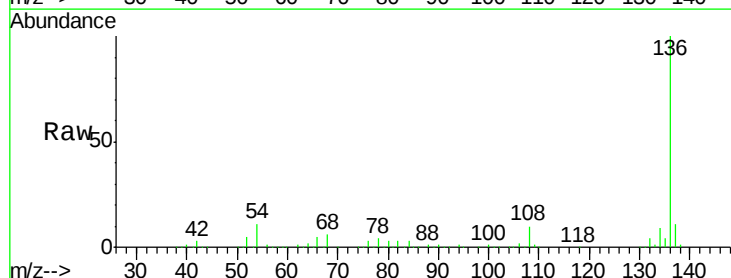
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.7 9.1 13.7

68 5.8 4.6 6.8

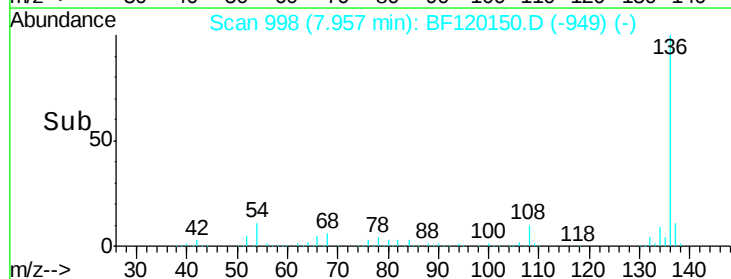
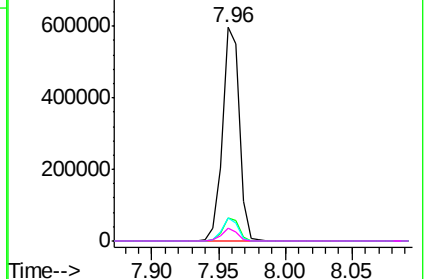


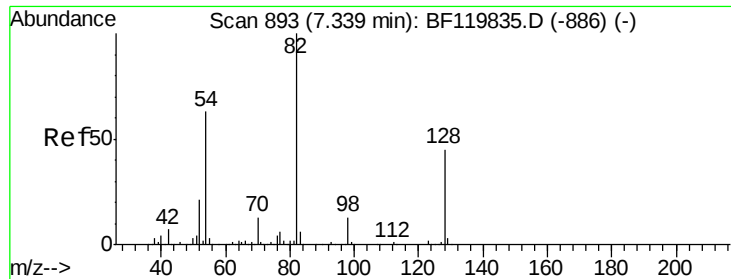
Abundance Ion 136.00 (135.70 to 136.70): E

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

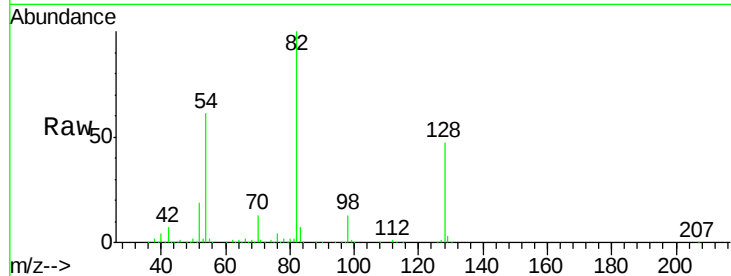




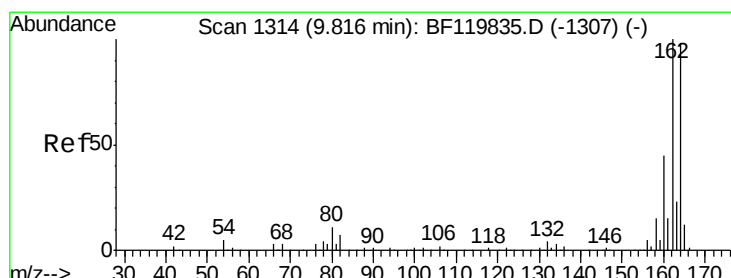
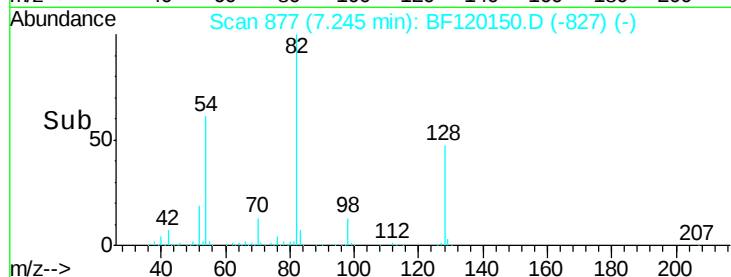
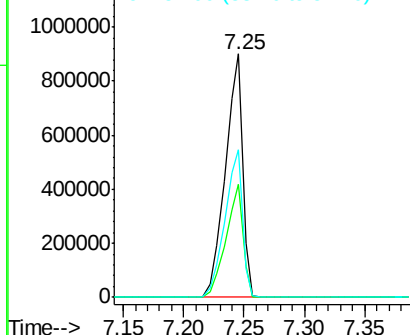
#23
Nitrobenzene-d5
Concen: 86.14 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Instrument :
BNA_F
ClientSampleId :
TR-05-042020

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.3	54.5
54	60.5	50.6	75.8

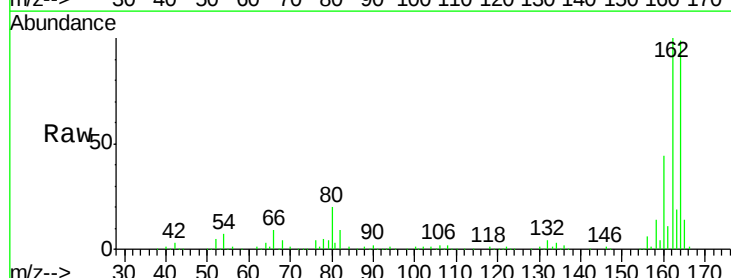


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

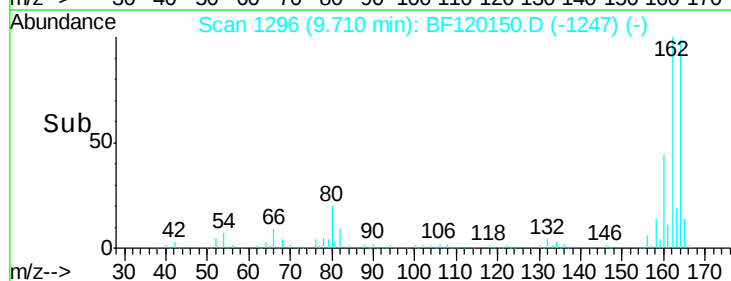
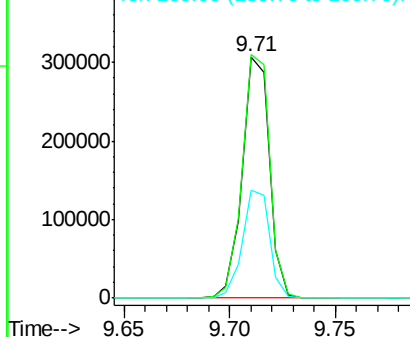


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	44.7	35.7	53.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

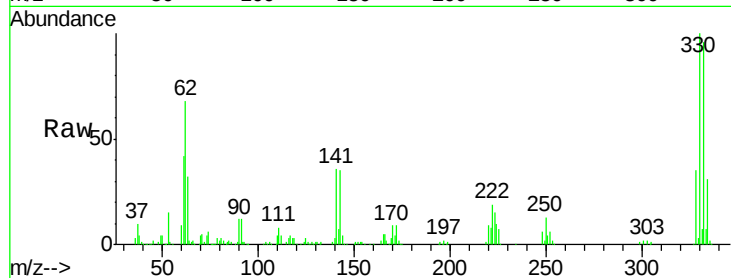




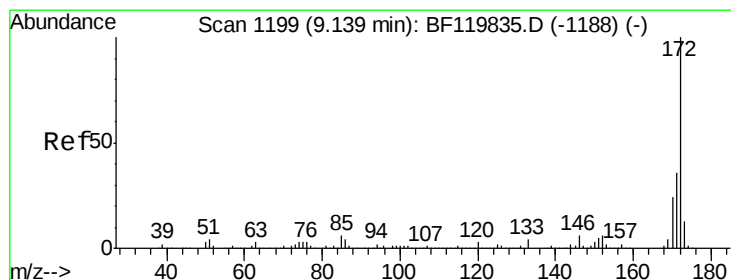
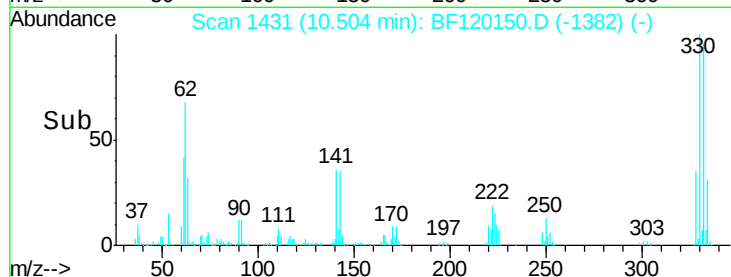
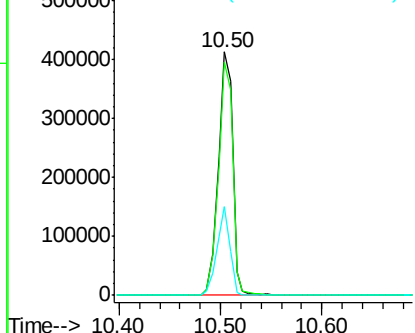
#42
 2,4,6-Tribromophenol
 Concen: 122.04 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042020

Tgt Ion:330 Resp: 408244
 Ion Ratio Lower Upper
 330 100
 332 95.7 75.7 113.5
 141 33.3 25.4 38.0

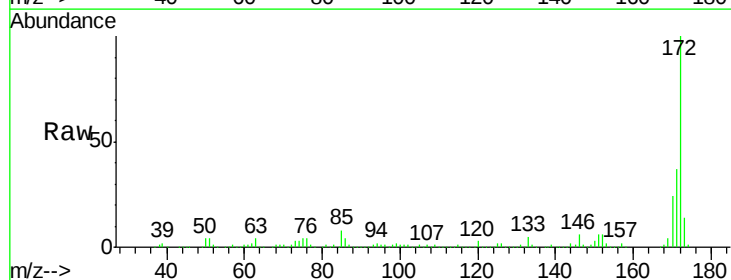


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

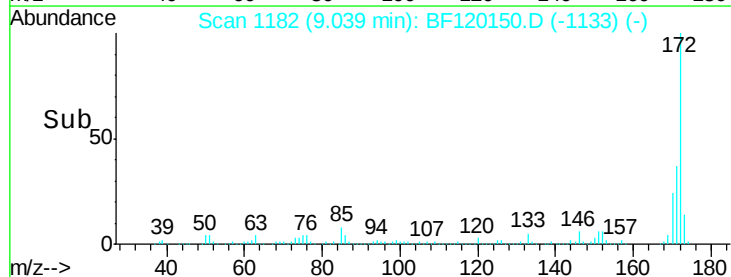
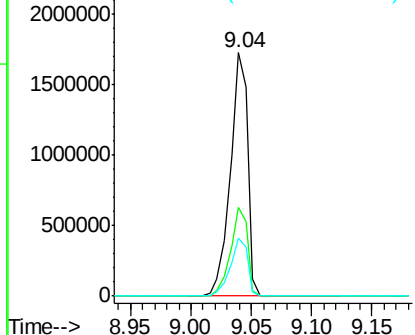


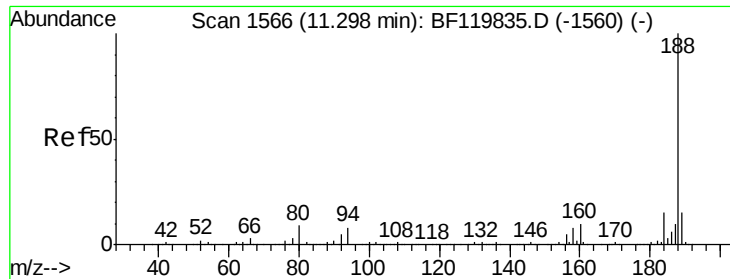
#45
 2-Fluorobiphenyl
 Concen: 89.53 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF120150.D
 Acq: 23 Apr 2020 3:51

Tgt Ion:172 Resp: 1722924
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.9 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

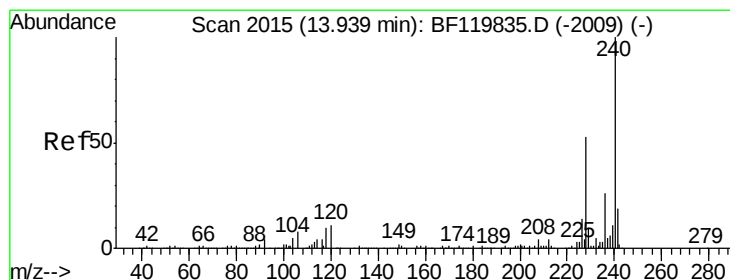
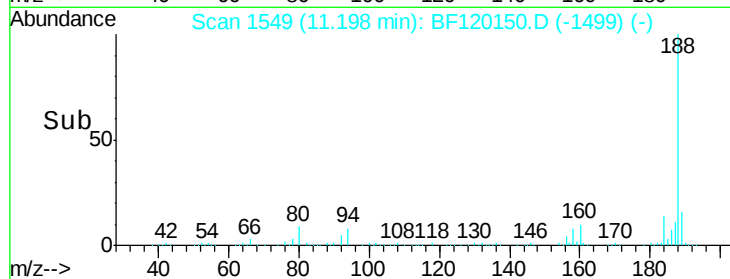
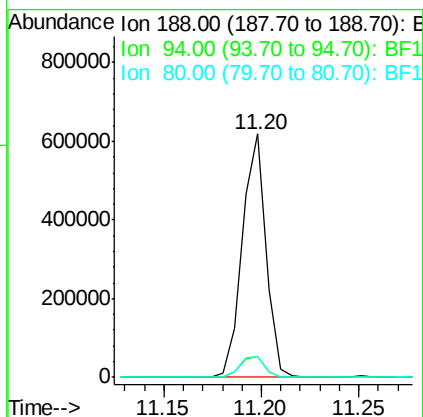
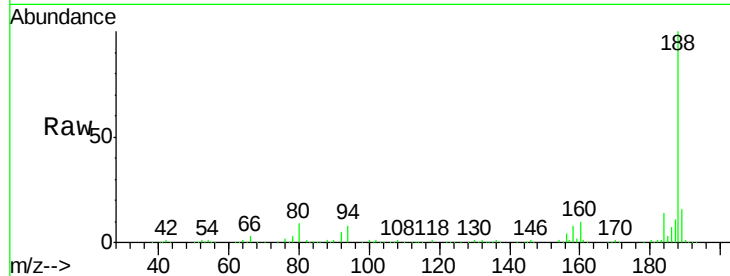




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

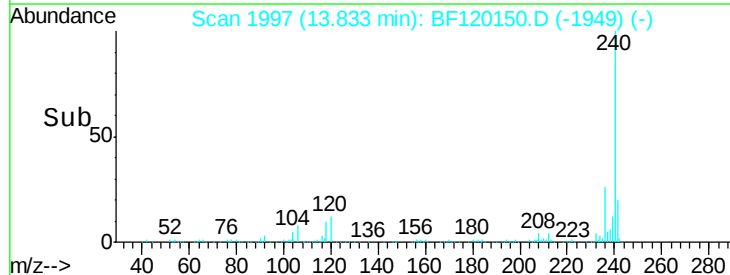
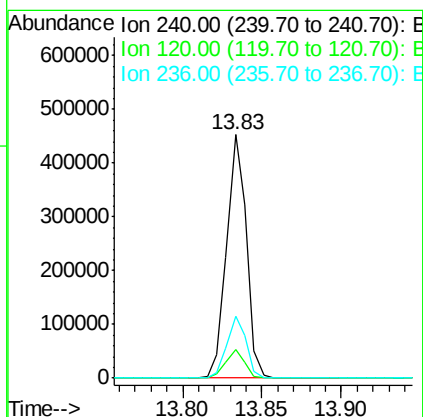
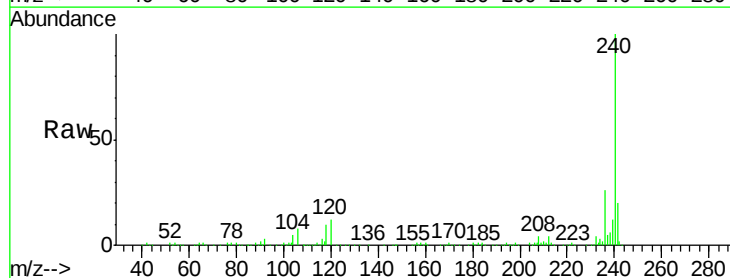
Instrument :
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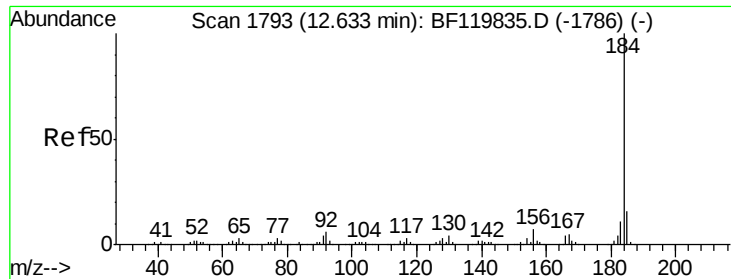
Tgt Ion:188 Resp: 518949
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 8.6 9.0 13.4#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Tgt Ion:240 Resp: 391047
Ion Ratio Lower Upper
240 100
120 11.5 10.6 15.8
236 25.6 20.2 30.2

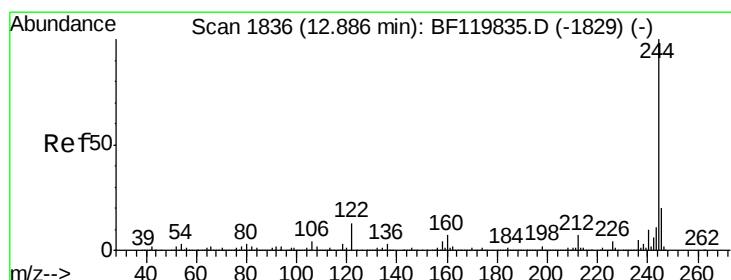
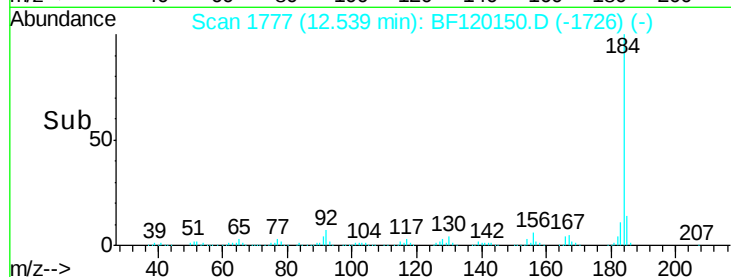
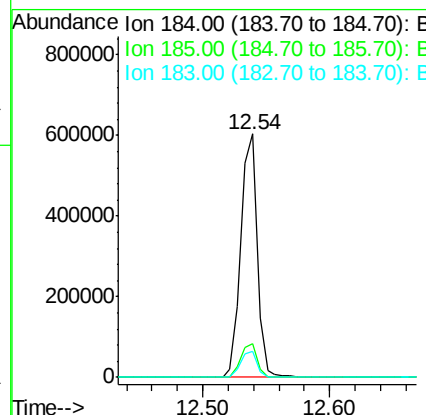
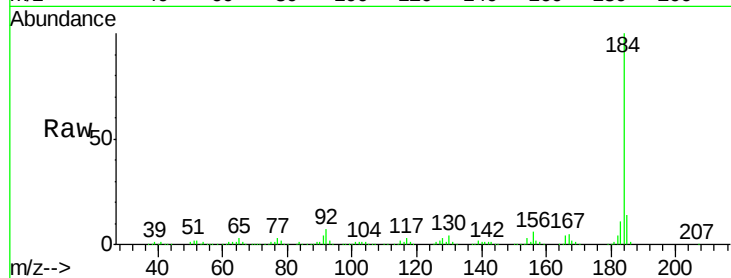




#77
Benzidine
Concen: 40.58 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

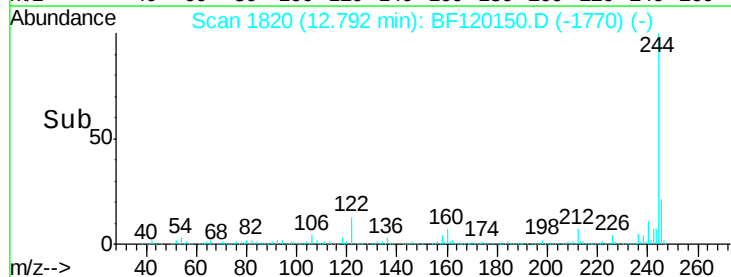
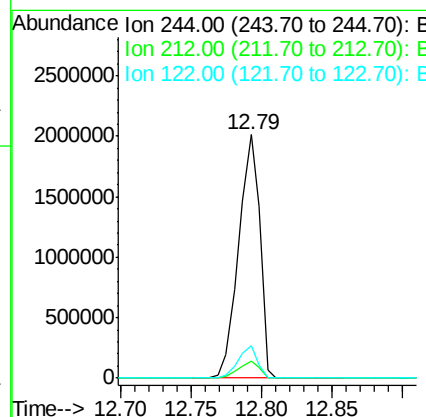
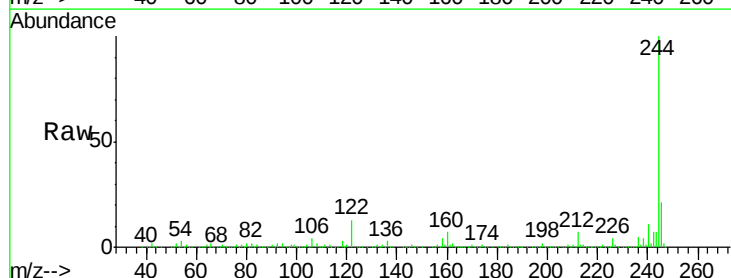
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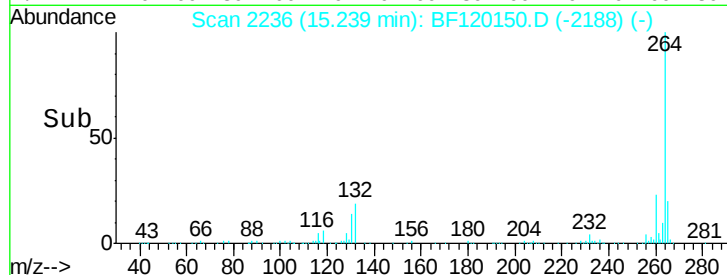
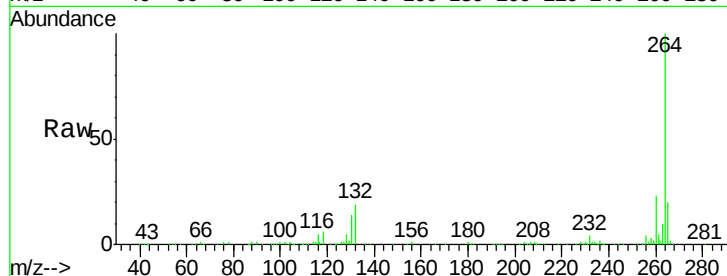
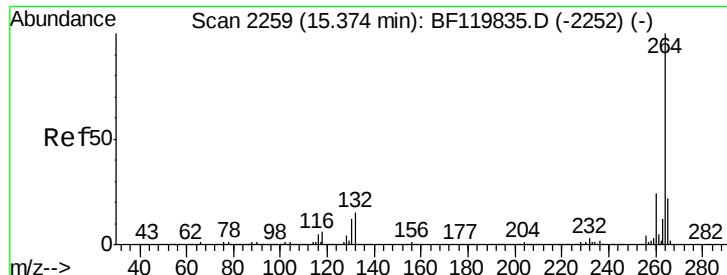
Tgt Ion:184 Resp: 536425
Ion Ratio Lower Upper
184 100
185 13.9 12.3 18.5
183 10.8 9.0 13.6



#79
Terphenyl-d14
Concen: 90.00 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF120150.D
Acq: 23 Apr 2020 3:51

Tgt Ion:244 Resp: 2091608
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 13.4 10.3 15.5





#87

Perylene-d12

Concen: 20.00 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.02 min

Lab File: BF120150.D

Acq: 23 Apr 2020 3:51

Instrument :

BNA_F

ClientSampleId :

TR-05-042020

Tgt Ion: 264 Resp: 319968

Ion Ratio Lower Upper

264 100

260 23.3 18.7 28.1

265 20.5 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

