

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041520\
 Data File : BF119999.D
 Acq On : 15 Apr 2020 17:43
 Operator : MA/SJ
 Sample : L2245-37
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Quant Time: Apr 16 02:44:45 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 15 11:01:23 2020
 Response via : Initial Calibration

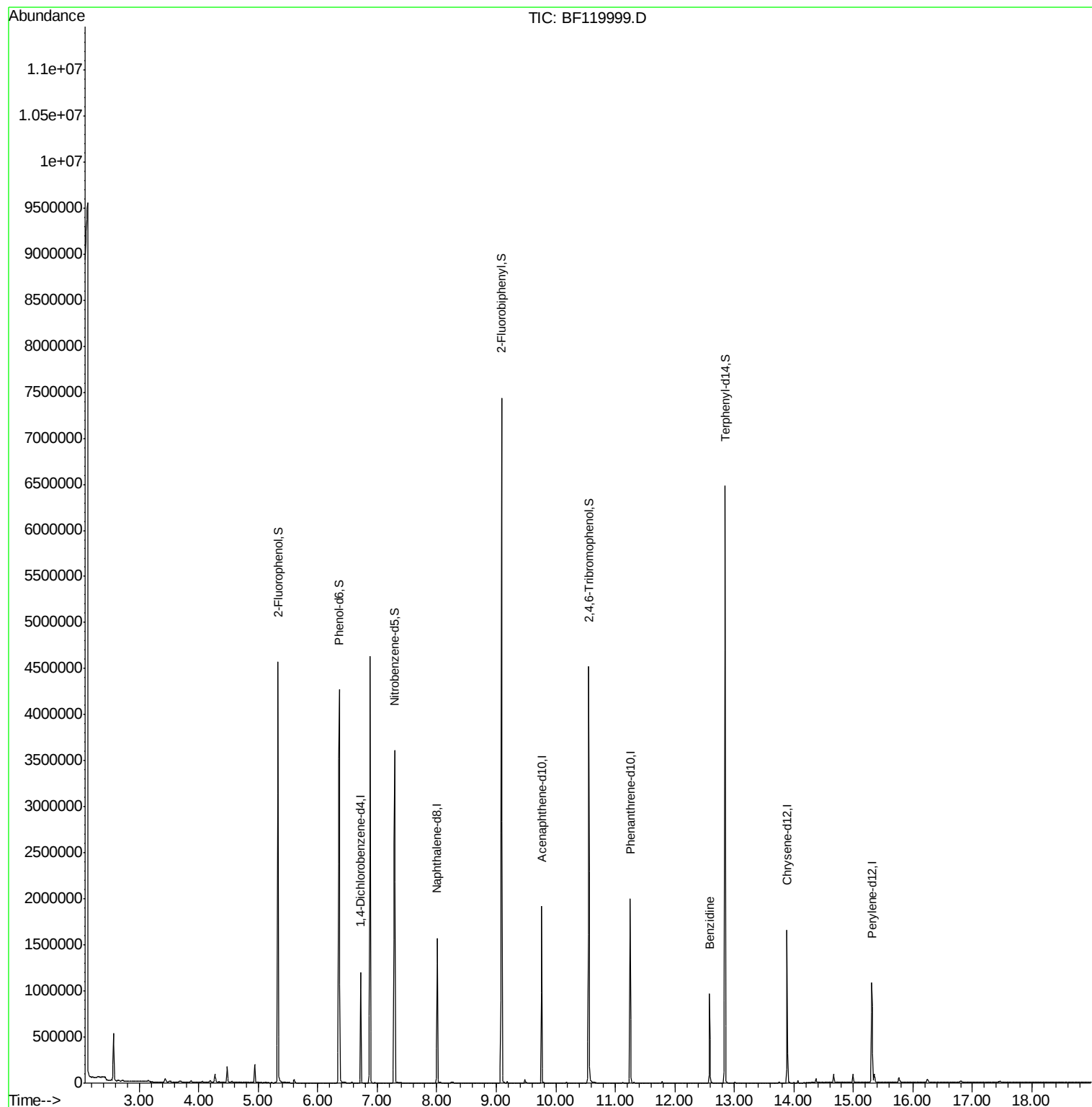
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	178230	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	674289	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	363289	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	734692	20.00	ng	0.00
76) Chrysene-d12	13.89	240	574342	20.00	ng	-0.01
87) Perylene-d12	15.31	264	473001	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1421790	137.86	ng	0.00
7) Phenol-d6	6.36	99	1630090	122.66	ng	0.00
23) Nitrobenzene-d5	7.29	82	1260523	96.71	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	558997	125.68	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2358047	92.16	ng	0.00
79) Terphenyl-d14	12.85	244	2841044	83.23	ng	0.00
Target Compounds						
77) Benzidine	12.59	184	325973	16.790	ng	Qvalue 96

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

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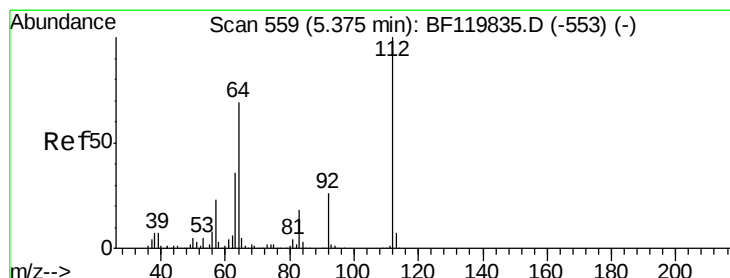
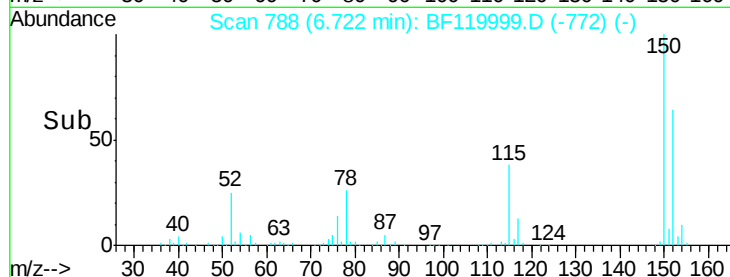
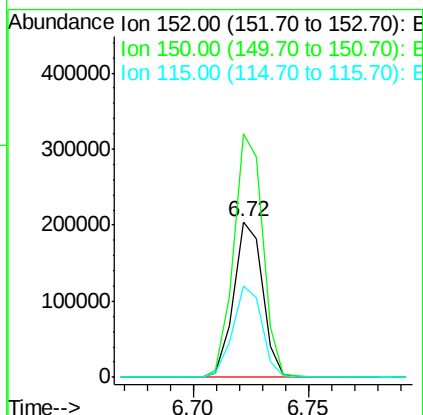
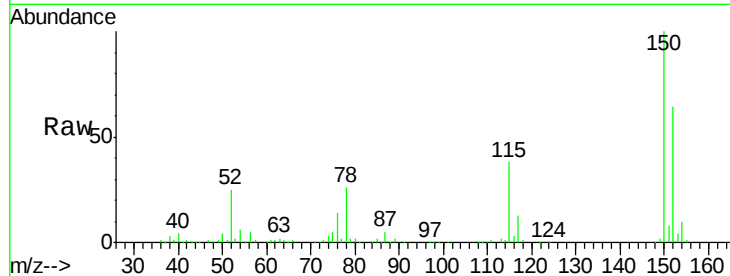


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

Instrument :
BNA_F
ClientSampleId :
TP-27

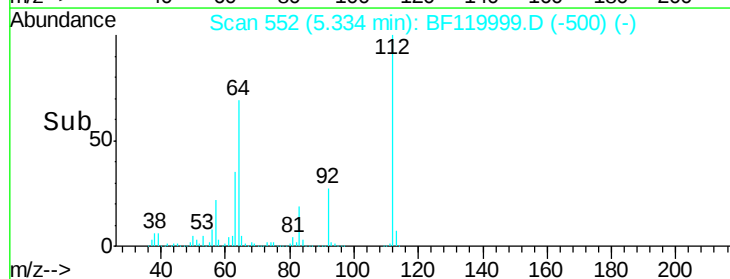
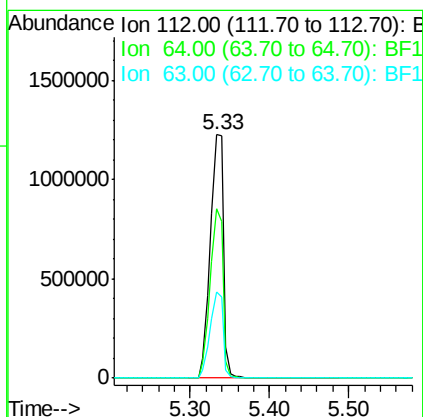
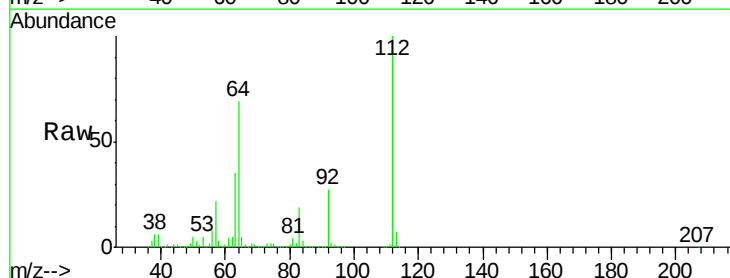
Tot Ion:152 Resp: 178230
Ion Ratio Lower Upper
152 100
150 156.5 124.8 187.2
115 59.0 46.5 69.7



#5

2-Fluorophenol
Concen: 137.862 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF119999.D
Acq: 15 Apr 2020 17:43

Tgt Ion:112 Resp: 1421790
Ion Ratio Lower Upper
112 100
64 69.3 55.5 83.3
63 35.4 29.1 43.7





#7

Phenol-d6

Concen: 122.665 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

Instrument :

BNA_F

ClientSampleId :

TP-27

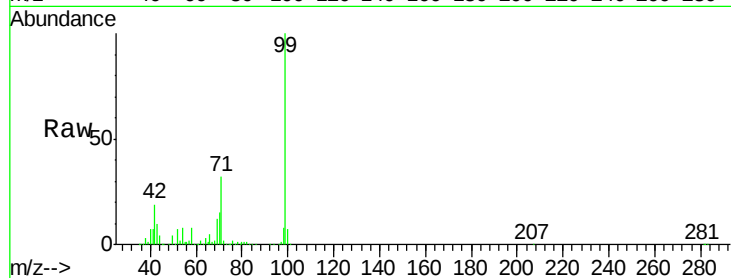
Tot Ion: 99 Resp: 1630090

Ion Ratio Lower Upper

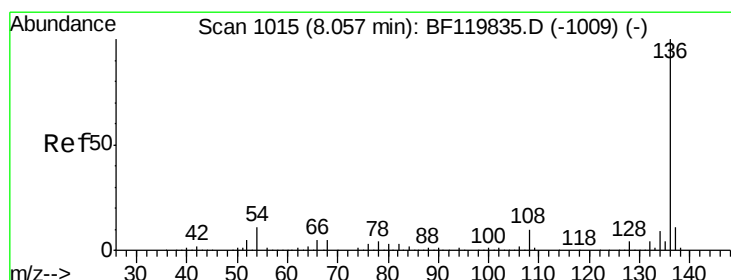
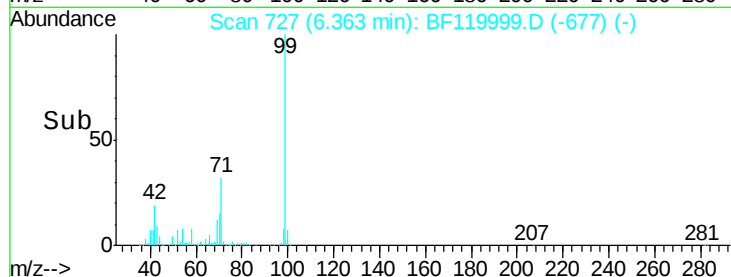
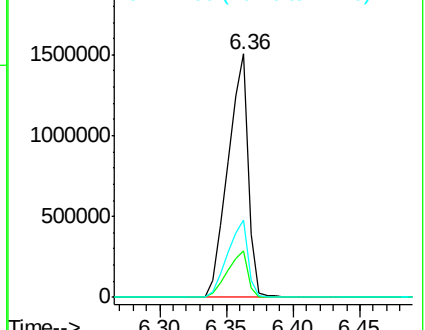
99 100

42 18.9 16.9 25.3

71 31.7 26.3 39.5



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: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

Tgt Ion: 136 Resp: 674289

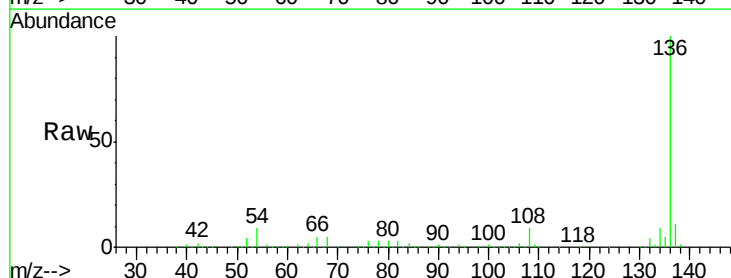
Ion Ratio Lower Upper

136 100

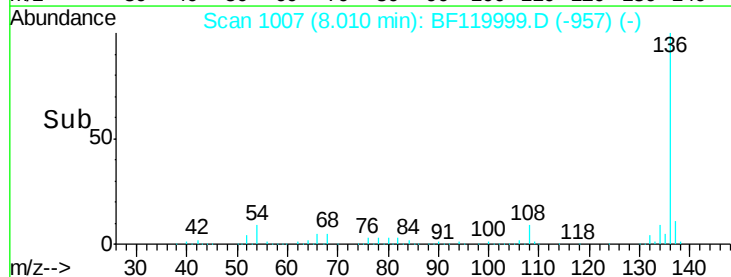
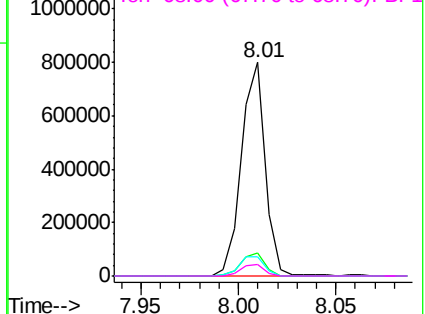
137 10.8 8.7 13.1

54 9.2 8.5 12.7

68 5.2 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

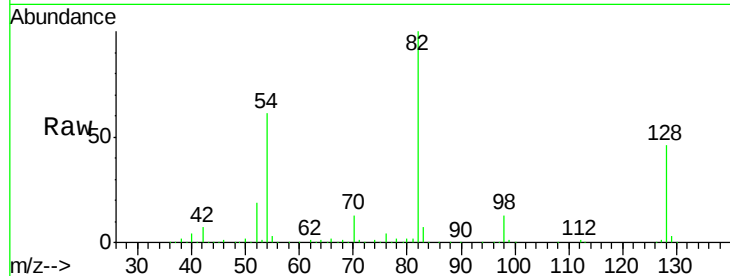




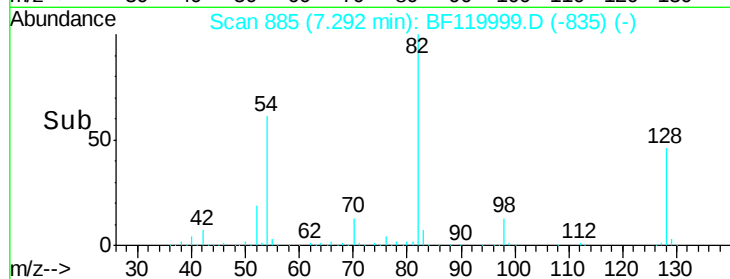
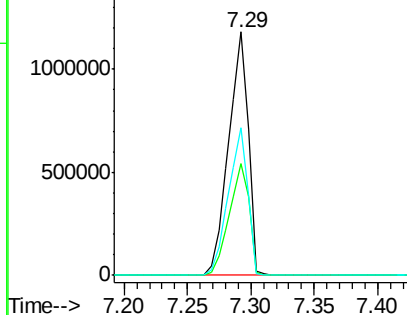
#23
 Nitrobenzene-d5
 Concen: 96.711 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion: 82 Resp: 1260523
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.2 54.4
 54 60.7 50.4 75.6

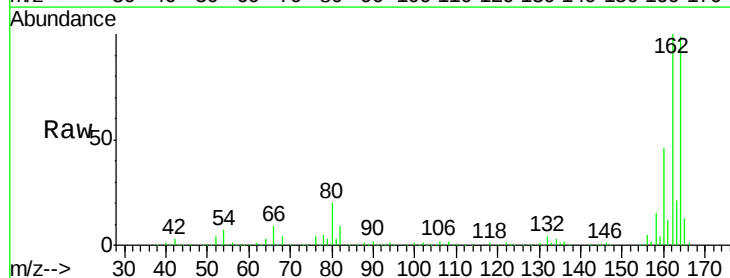


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

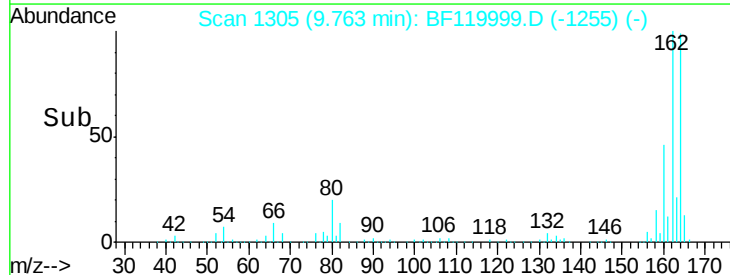
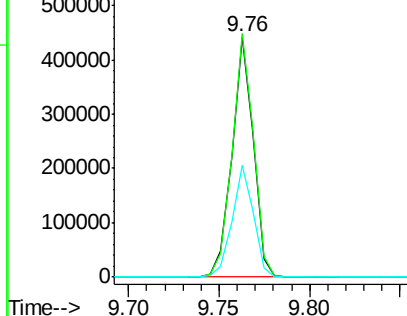


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Tgt Ion: 164 Resp: 363289
 Ion Ratio Lower Upper
 164 100
 162 101.5 81.9 122.9
 160 46.3 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

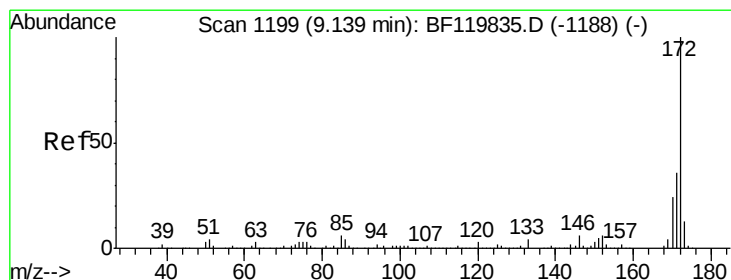
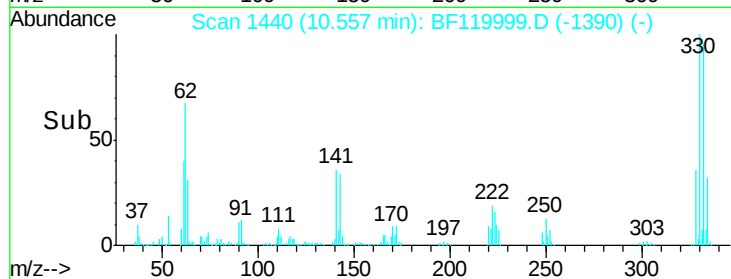
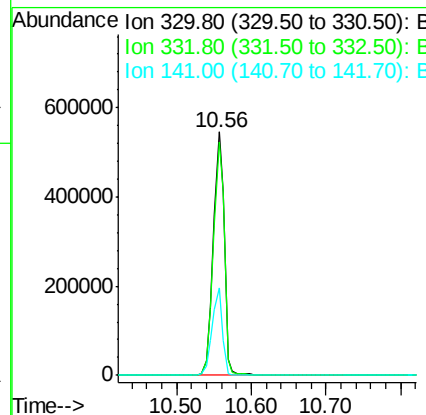
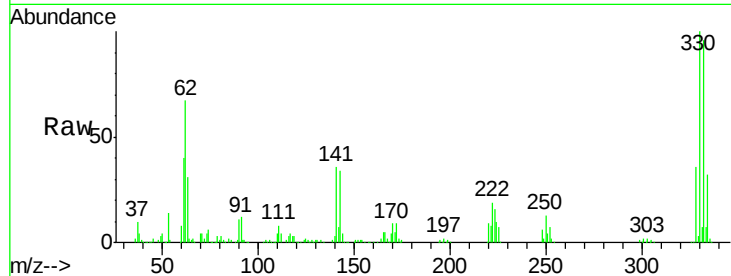




#42
 2,4,6-Tribromophenol
 Concen: 125.677 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

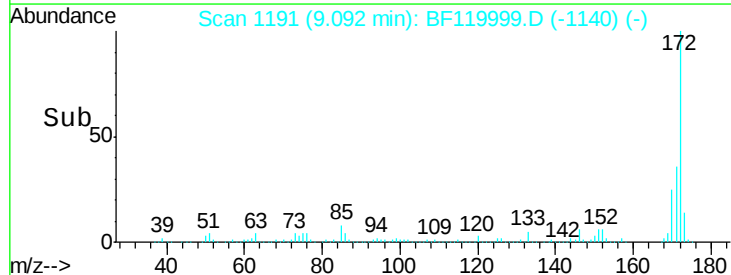
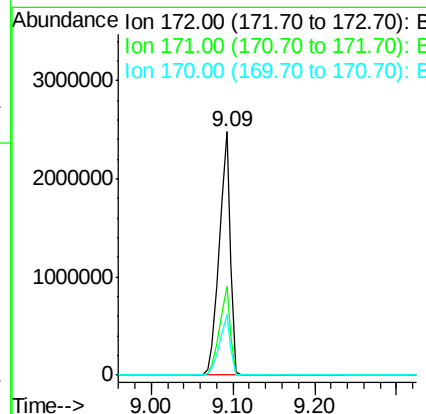
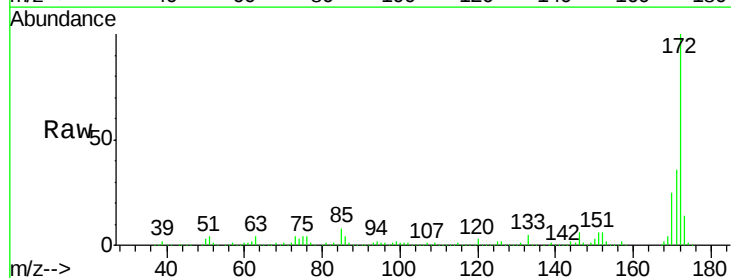
Instrument :
 BNA_F
 ClientSampleId :
 TP-27

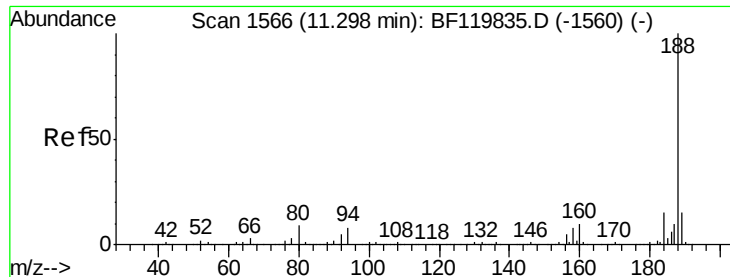
Tot Ion:330 Resp: 558997
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.8 115.2
 141 33.8 25.1 37.7



#45
 2-Fluorobiphenyl
 Concen: 92.156 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Tgt Ion:172 Resp: 2358047
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.9 43.3
 170 24.9 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

Instrument :

BNA_F

ClientSampled :

TP-27

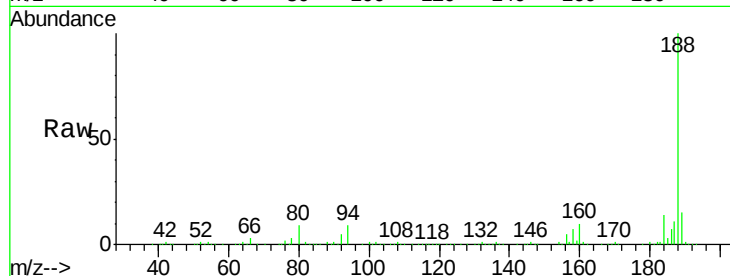
Tot Ion:188 Resp: 734692

Ion Ratio Lower Upper

188 100

94 8.9 6.7 10.1

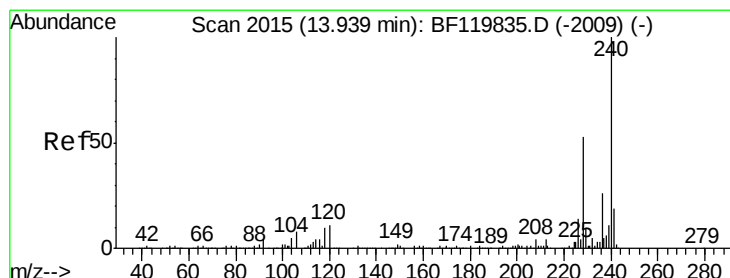
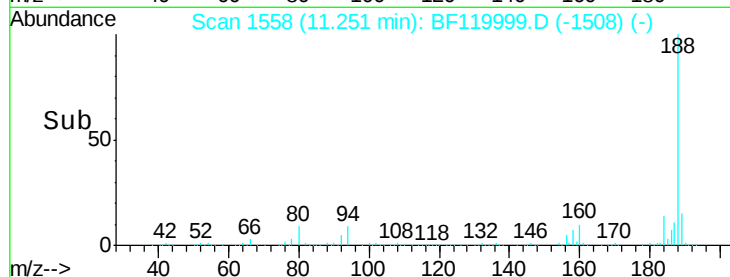
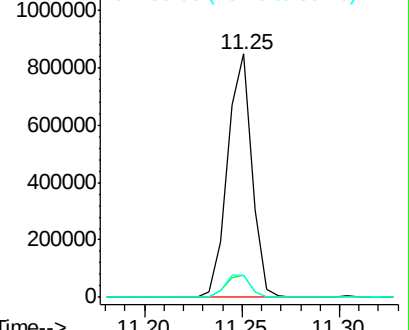
80 9.0 7.4 11.2



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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

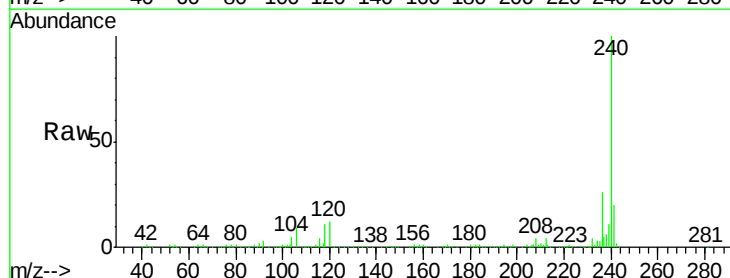
Tgt Ion:240 Resp: 574342

Ion Ratio Lower Upper

240 100

120 12.3 9.0 13.6

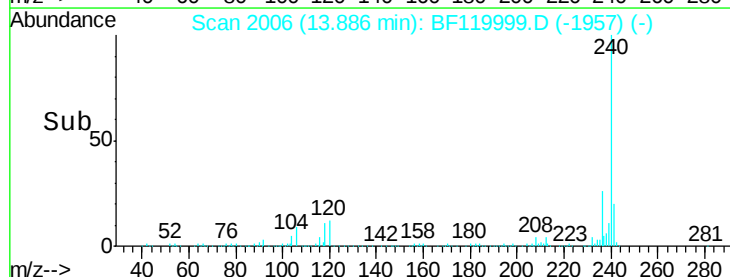
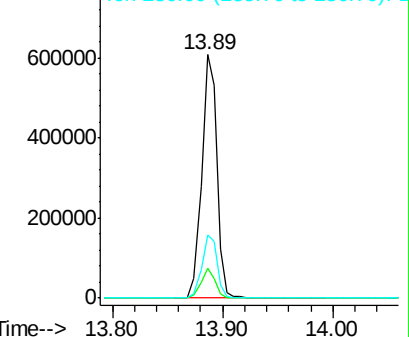
236 26.1 20.7 31.1

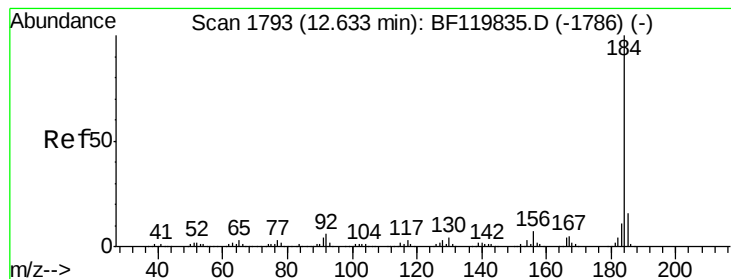


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 16.790 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

Instrument :

BNA_F

ClientSampled :

TP-27

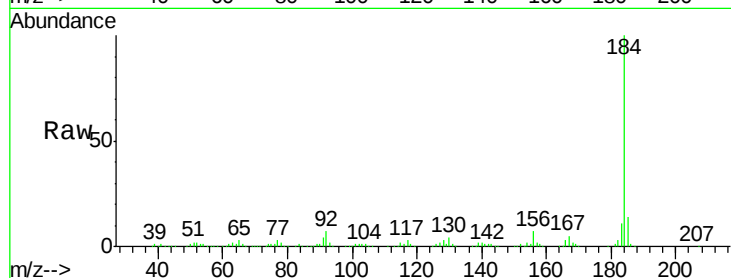
Tot Ion:184 Resp: 325973

Ion Ratio Lower Upper

184 100

185 14.2 13.2 19.8

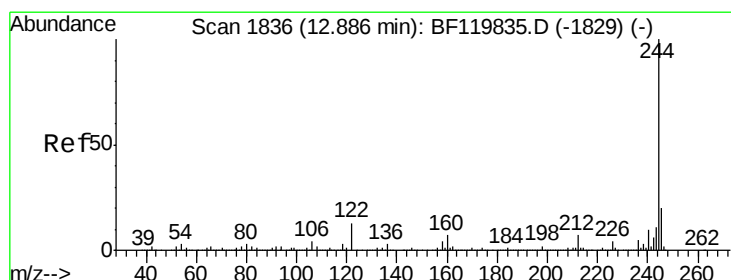
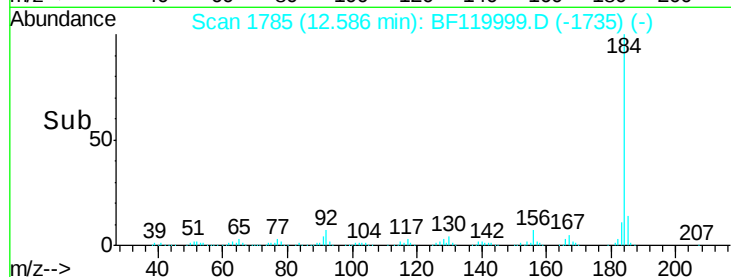
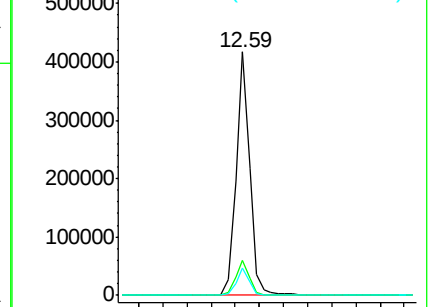
183 11.1 9.1 13.7



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: 83.234 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF119999.D

Acq: 15 Apr 2020 17:43

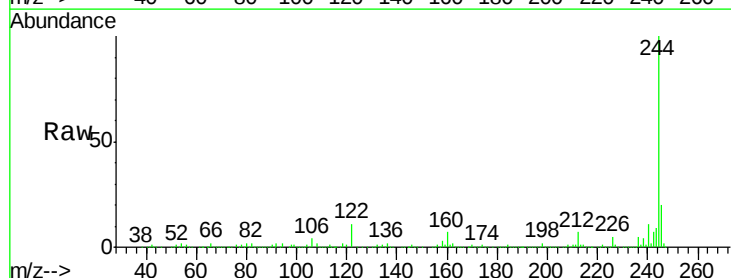
Tgt Ion:244 Resp: 2841044

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

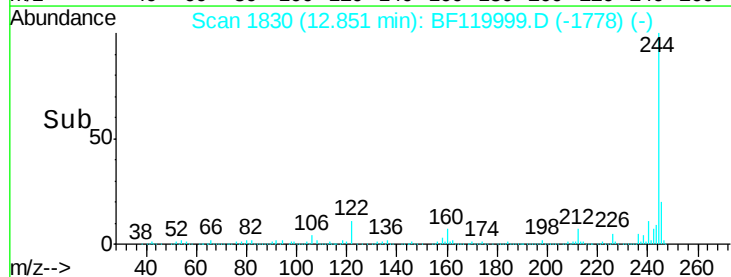
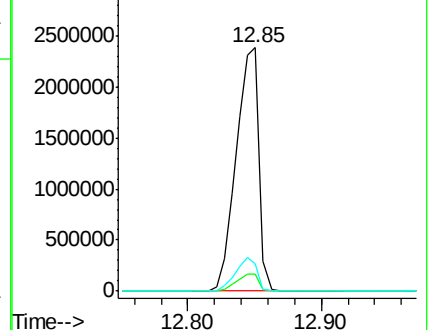
122 11.2 10.3 15.5

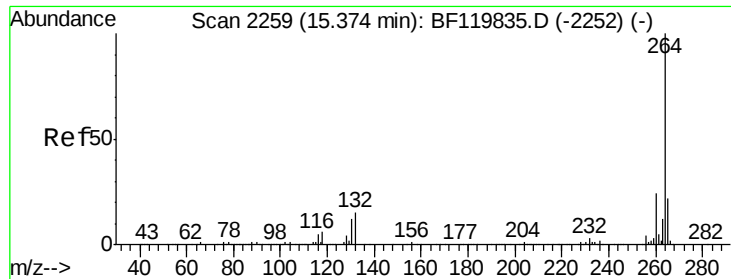


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

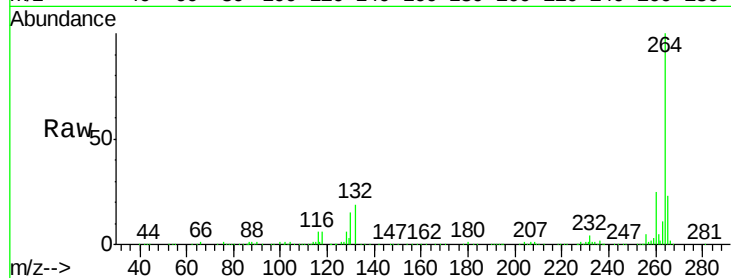




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. -0.00 min
 Lab File: BF119999.D
 Acq: 15 Apr 2020 17:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-27

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.3	28.9
265	22.9	17.6	26.4



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

