

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121019\
 Data File : BF118166.D
 Acq On : 10 Dec 2019 16:41
 Operator : JU
 Sample : K6117-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-120619

Quant Time: Dec 11 02:43:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

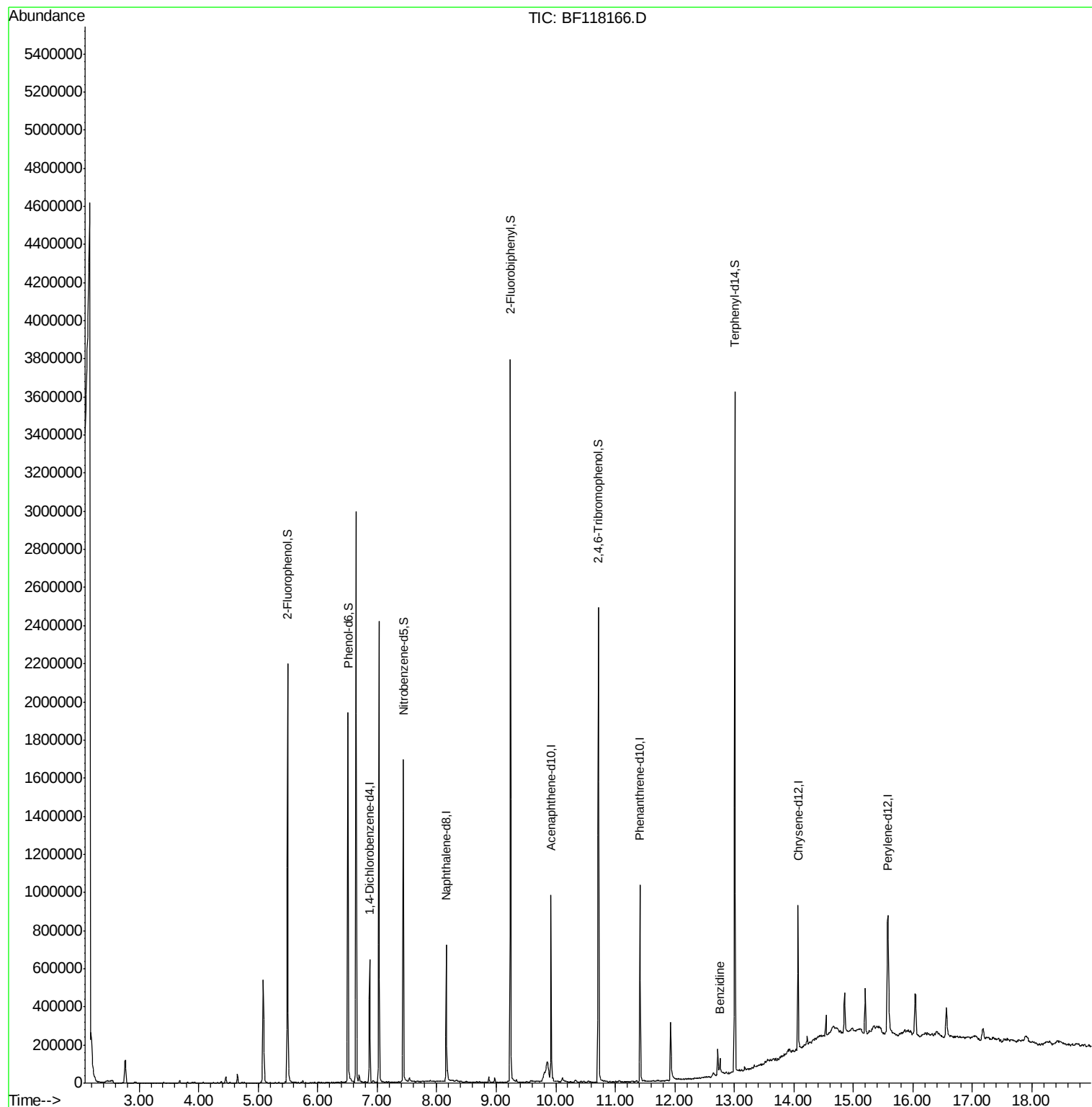
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	87881	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	349866	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	188757	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	345118	20.00	ng	0.00
76) Chrysene-d12	14.07	240	246383	20.00	ng	0.00
87) Perylene-d12	15.57	264	261777	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	642219	127.99	ng	0.01
7) Phenol-d6	6.51	99	714870	117.79	ng	0.01
23) Nitrobenzene-d5	7.44	82	531915	85.53	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	294378	128.38	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1083702	87.36	ng	0.00
79) Terphenyl-d14	13.01	244	1247226	87.05	ng	0.00
Target Compounds						
77) Benzidine	12.76	184	42333	6.527	ng	Qvalue 98

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

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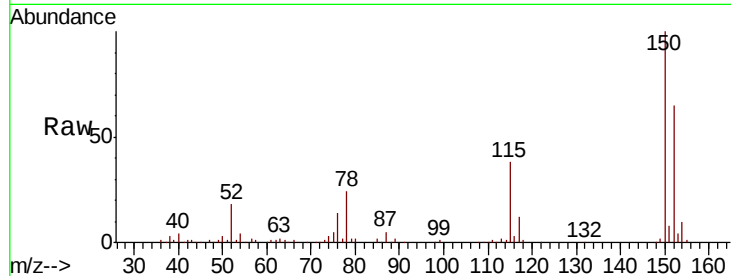


#1

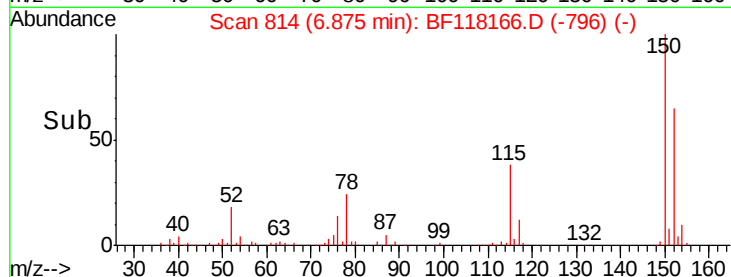
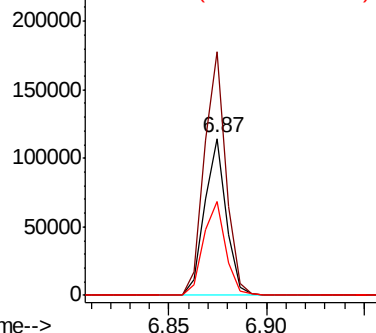
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF118166.D
 Acq: 10 Dec 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-120619

Tot Ion:152 Resp: 87881
 Ion Ratio Lower Upper
 152 100
 150 154.9 128.3 192.5
 115 59.3 51.1 76.7



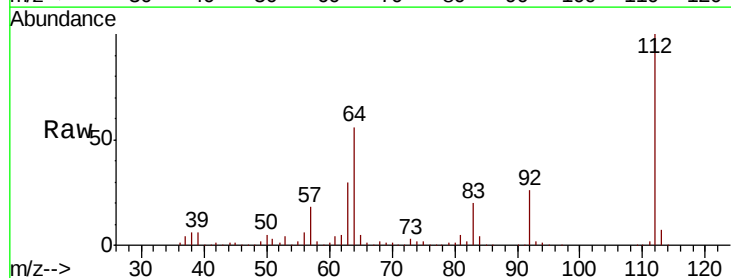
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



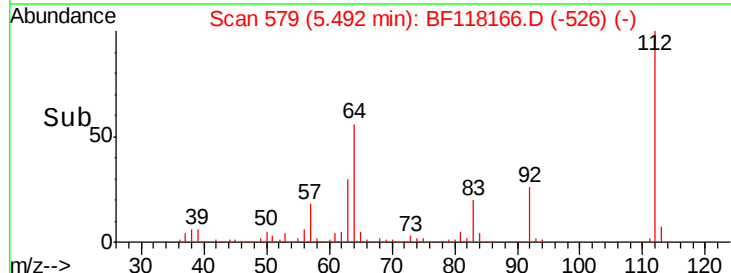
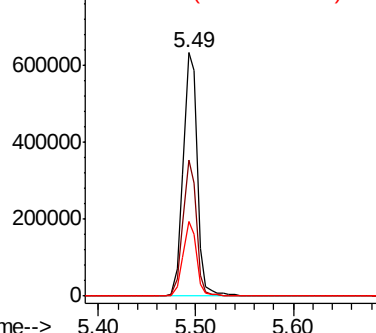
#5

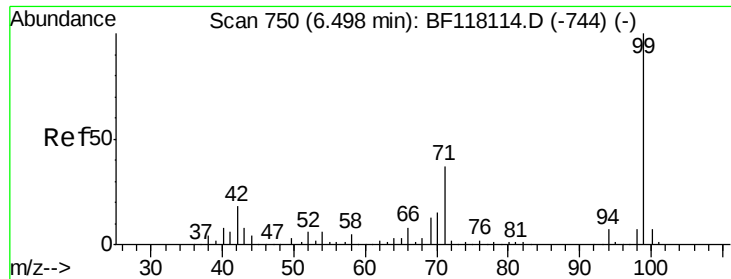
2-Fluorophenol
 Concen: 127.994 ng
 RT: 5.49 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: BF118166.D
 Acq: 10 Dec 2019 16:41

Tgt Ion:112 Resp: 642219
 Ion Ratio Lower Upper
 112 100
 64 55.8 41.3 61.9
 63 30.4 22.4 33.6



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: 117.792 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF118166.D

Acq: 10 Dec 2019 16:41

Instrument :

BNA_F

ClientSampleId :

TR-04-120619

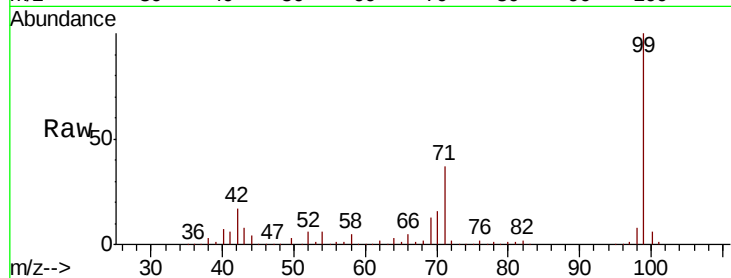
Tot Ion: 99 Resp: 714870

Ion Ratio Lower Upper

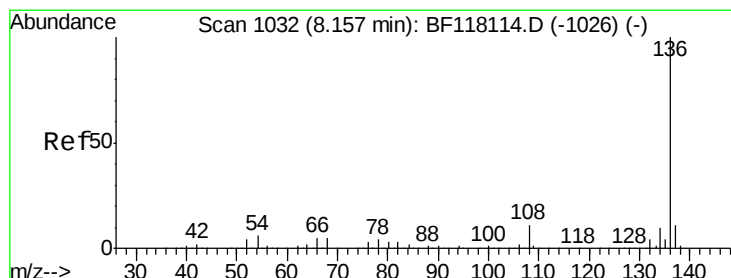
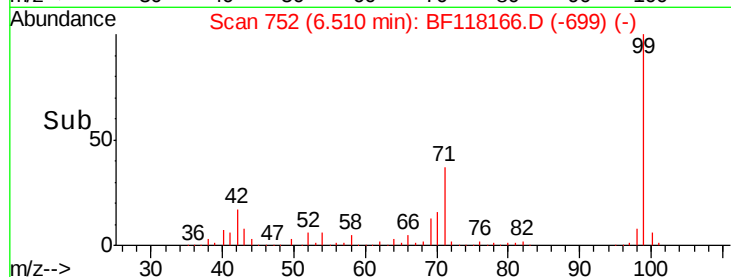
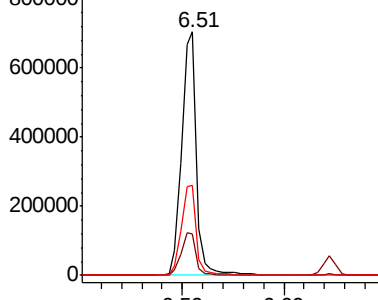
99 100

42 17.0 14.1 21.1

71 36.9 29.7 44.5



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: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF118166.D

Acq: 10 Dec 2019 16:41

Tgt Ion: 136 Resp: 349866

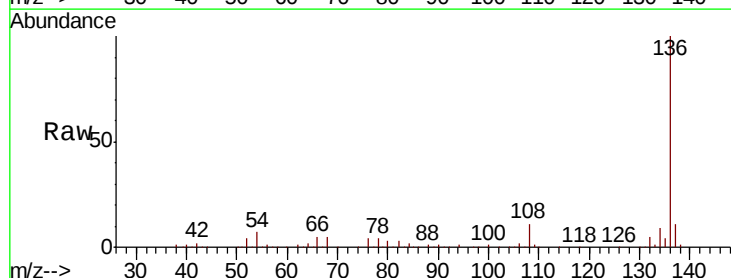
Ion Ratio Lower Upper

136 100

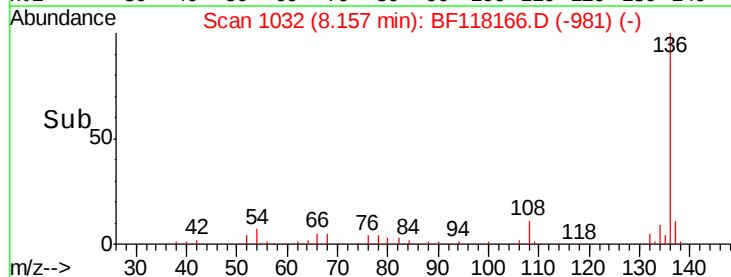
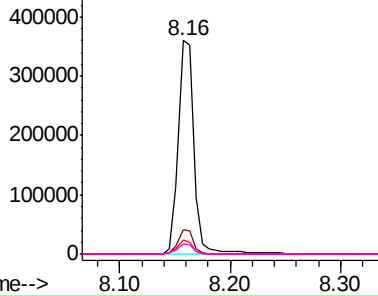
137 11.5 9.0 13.6

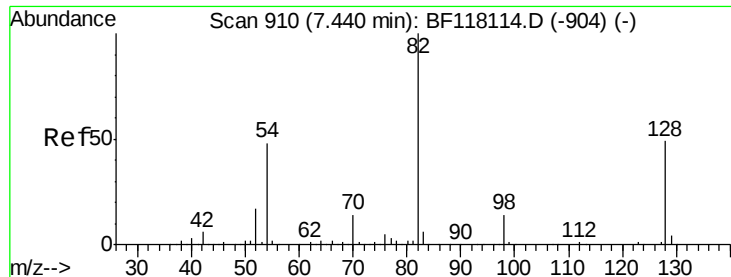
54 6.6 5.0 7.6

68 4.8 3.8 5.8



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

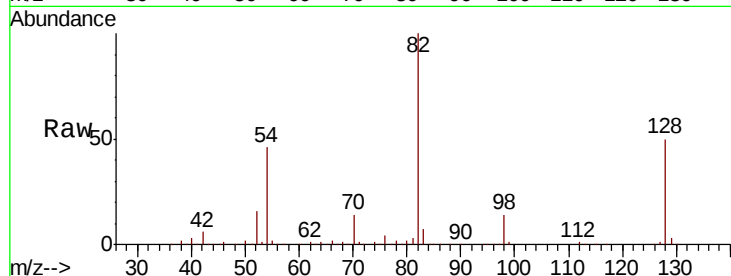




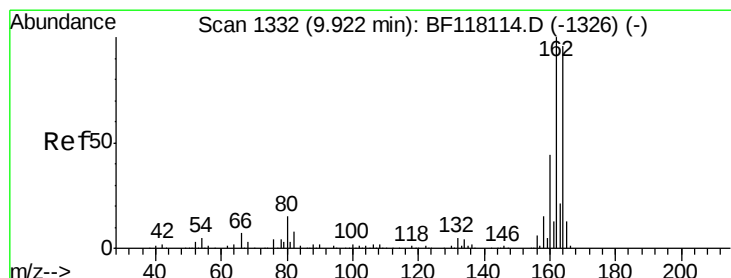
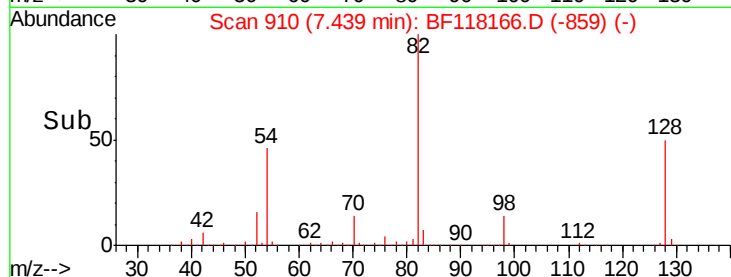
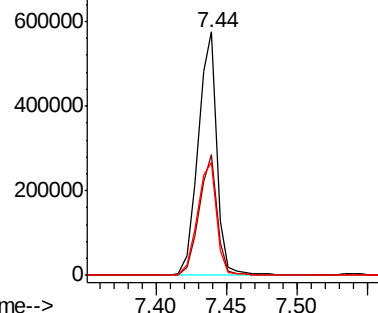
#23
Nitrobenzene-d5
Concen: 85.531 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF118166.D
Acq: 10 Dec 2019 16:41

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion: 82 Resp: 531915
Ion Ratio Lower Upper
82 100
128 49.7 39.1 58.7
54 46.2 38.2 57.2

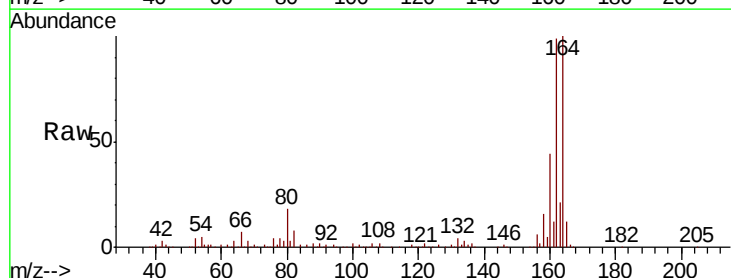


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

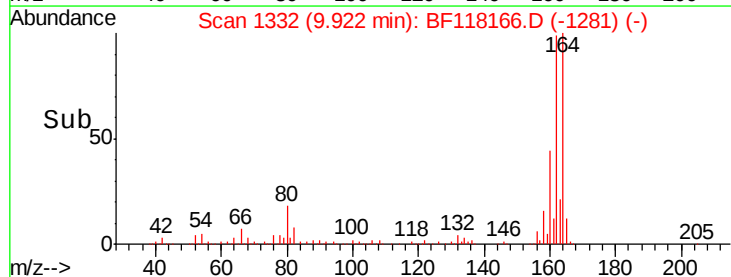
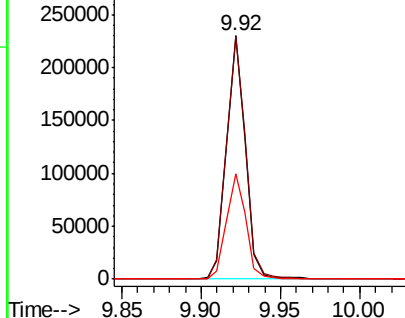


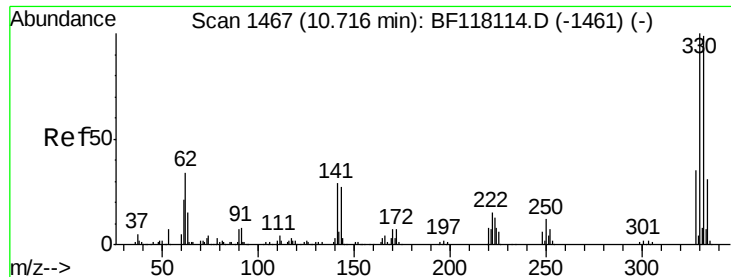
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF118166.D
Acq: 10 Dec 2019 16:41

Tgt Ion:164 Resp: 188757
Ion Ratio Lower Upper
164 100
162 99.5 83.4 125.0
160 43.5 36.6 54.8



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

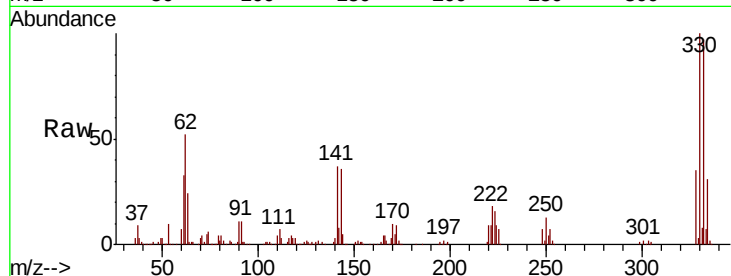




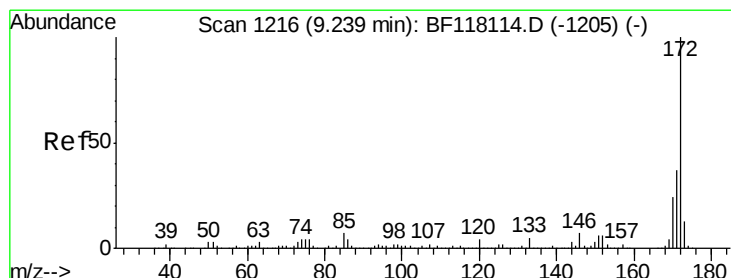
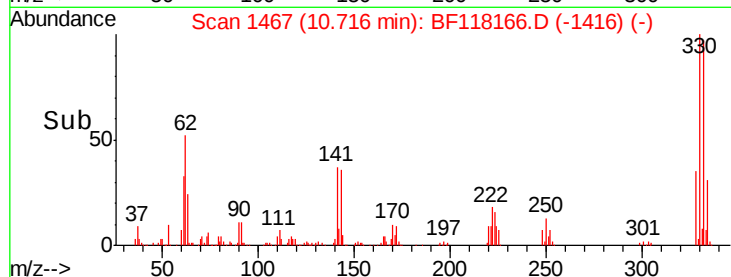
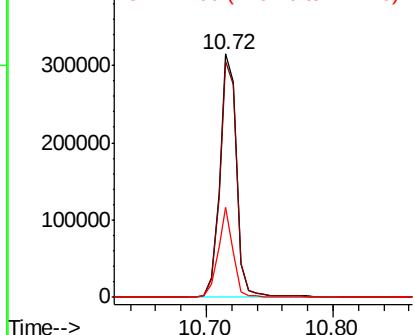
#42
 2,4,6-Tribromophenol
 Concen: 128.378 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: BF118166.D
 Acq: 10 Dec 2019 16:41

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-120619

Tot Ion:330 Resp: 294378
 Ion Ratio Lower Upper
 330 100
 332 97.6 78.1 117.1
 141 33.4 26.9 40.3

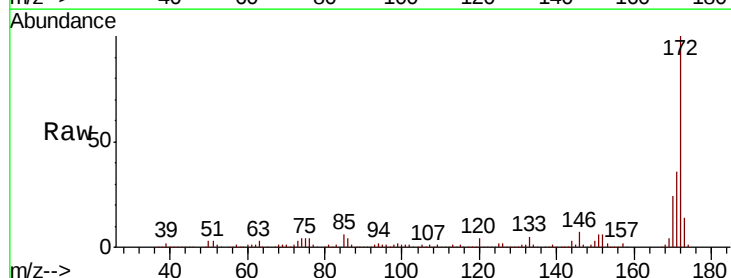


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

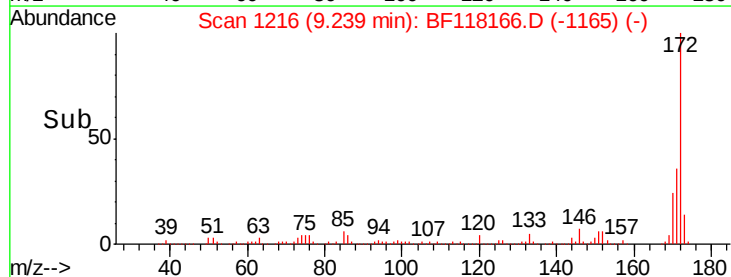
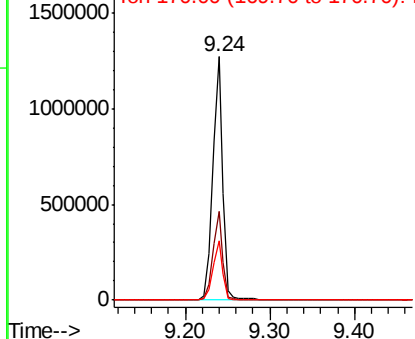


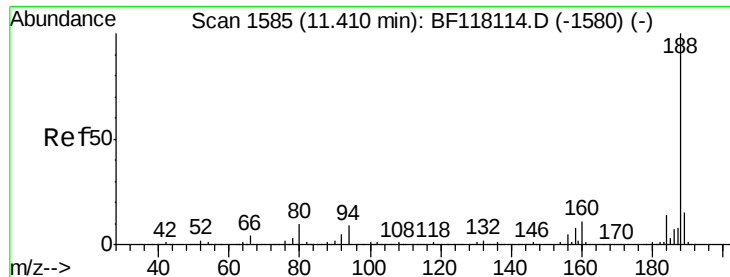
#45
 2-Fluorobiphenyl
 Concen: 87.362 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF118166.D
 Acq: 10 Dec 2019 16:41

Tgt Ion:172 Resp: 1083702
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.2 43.8
 170 24.1 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

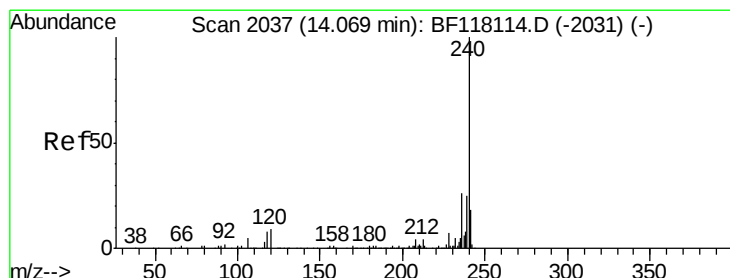
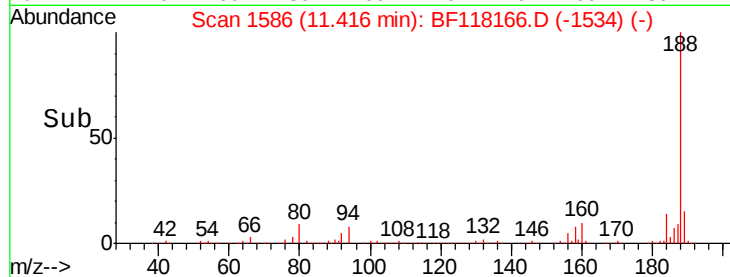
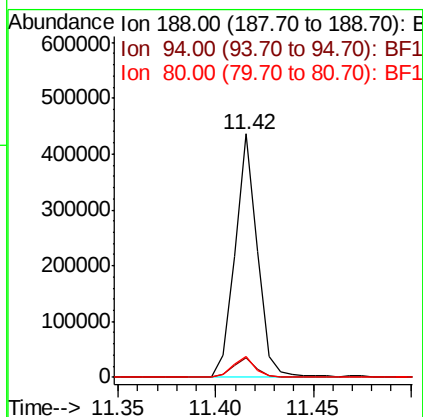
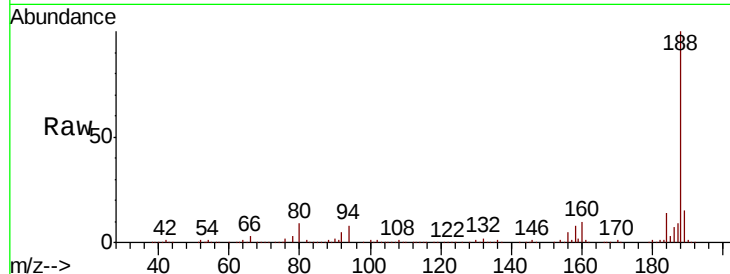




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF118166.D
Acq: 10 Dec 2019 16:41

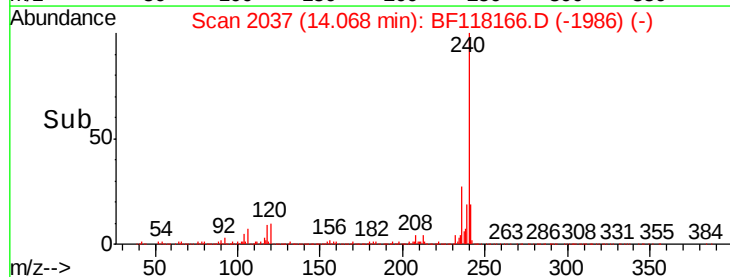
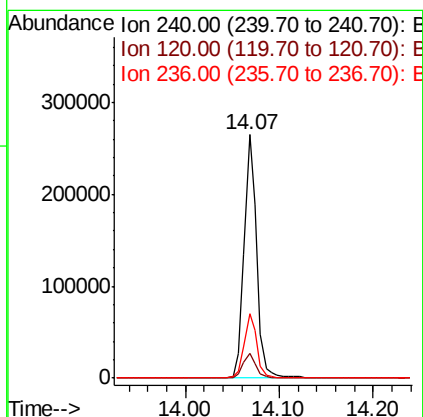
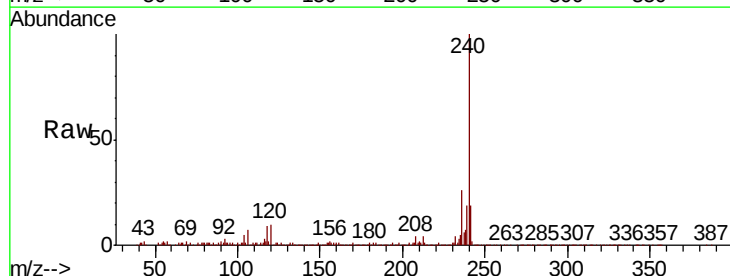
Instrument :
BNA_F
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TR-04-120619

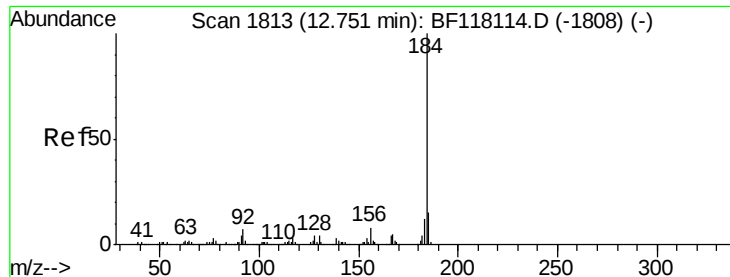
Tot Ion:188 Resp: 345118
Ion Ratio Lower Upper
188 100
94 8.2 7.1 10.7
80 8.8 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF118166.D
Acq: 10 Dec 2019 16:41

Tgt Ion:240 Resp: 246383
Ion Ratio Lower Upper
240 100
120 10.2 7.1 10.7
236 26.5 21.0 31.6





#77

Benzidine

Concen: 6.527 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF118166.D

Acq: 10 Dec 2019 16:41

Instrument :

BNA_F

ClientSampleId :

TR-04-120619

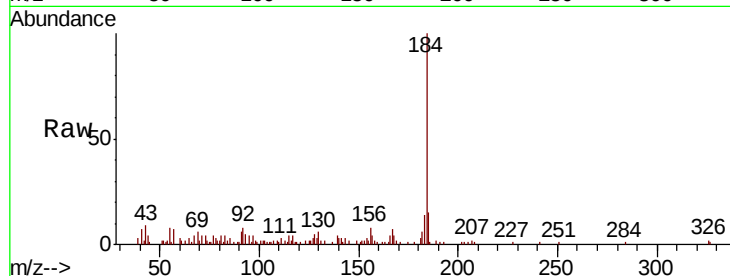
Tot Ion:184 Resp: 42333

Ion Ratio Lower Upper

184 100

185 15.0 12.3 18.5

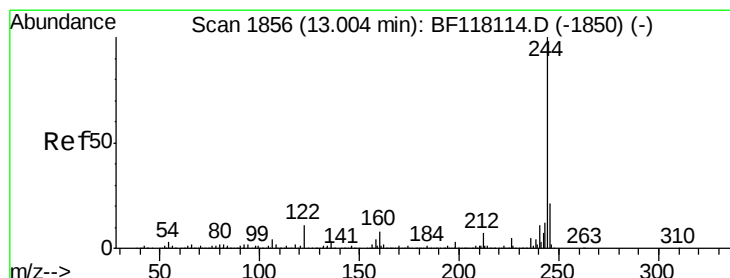
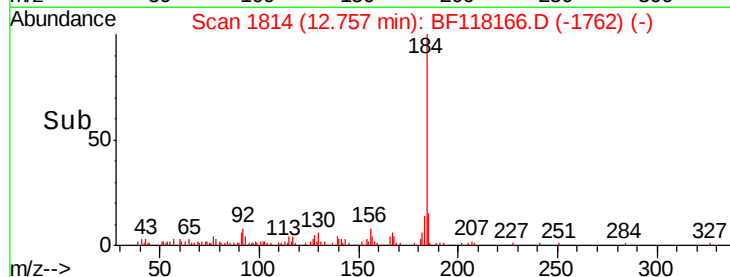
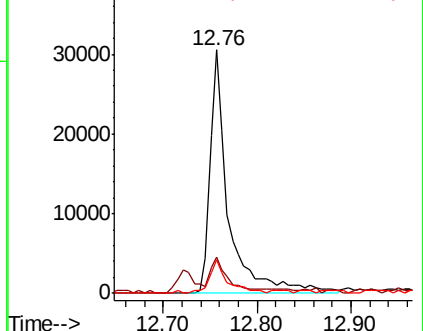
183 13.7 9.9 14.9



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: 87.050 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.01 min

Lab File: BF118166.D

Acq: 10 Dec 2019 16:41

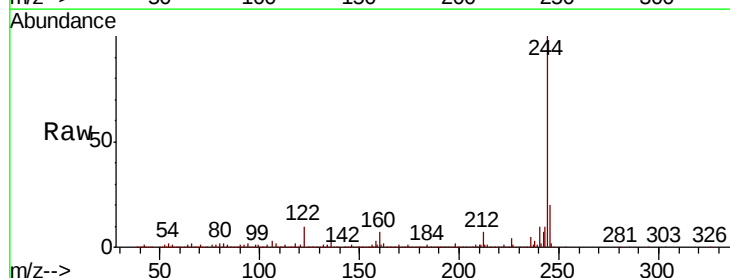
Tgt Ion:244 Resp: 1247226

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

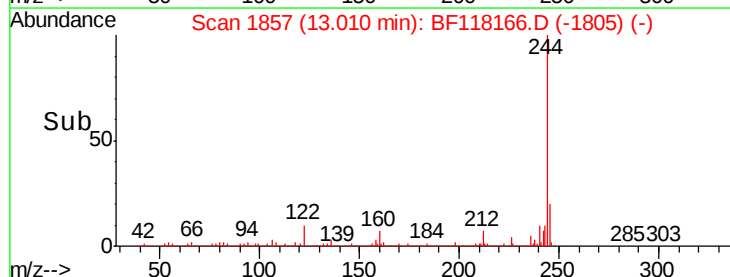
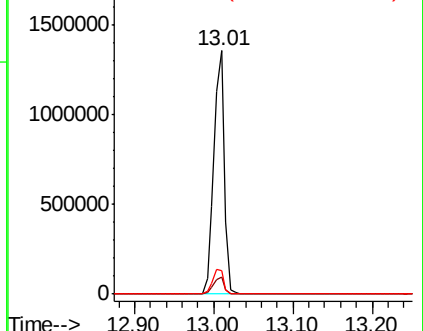
122 9.8 9.0 13.6

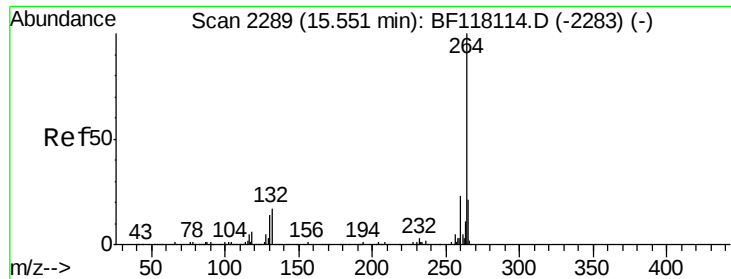


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.57 min Scan# 2293
Delta R.T. 0.02 min
Lab File: BF118166.D
Acq: 10 Dec 2019 16:41

Instrument :
BNA_F
ClientSampleId :
TR-04-120619

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.2	18.6	28.0	
265	21.2	16.8	25.2	

