

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118213.D
 Acq On : 16 Dec 2019 23:03
 Operator : JU
 Sample : K6294-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Dec 17 04:08:55 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

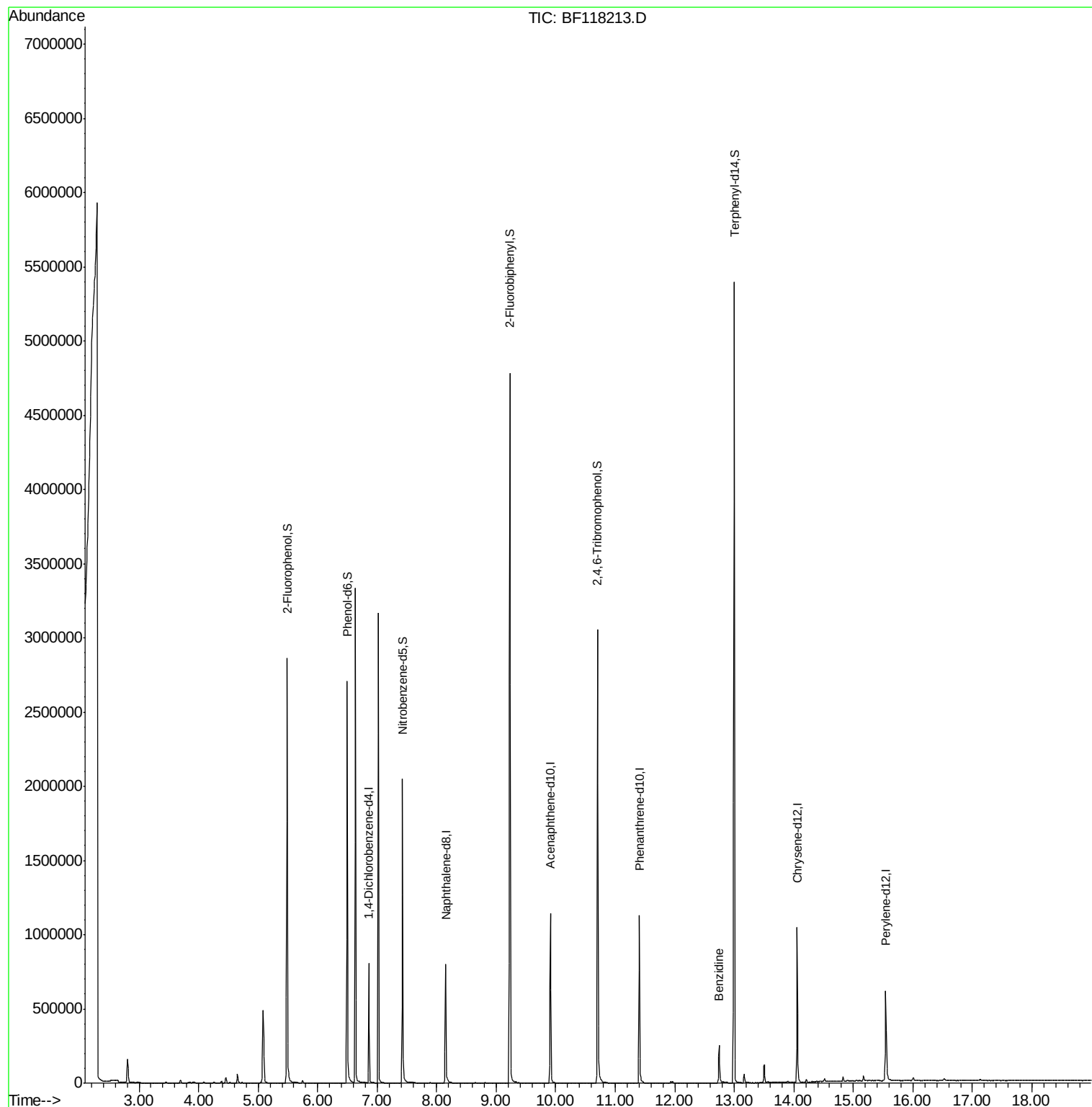
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	109967	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	430216	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	234226	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	449410	20.00	ng	0.00
76) Chrysene-d12	14.06	240	353860	20.00	ng	-0.01
87) Perylene-d12	15.54	264	330612	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	810873	129.15	ng	0.00
7) Phenol-d6	6.50	99	917921	120.87	ng	0.00
23) Nitrobenzene-d5	7.43	82	686469	89.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	407811	143.32	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1423058	92.45	ng	-0.01
79) Terphenyl-d14	13.00	244	1933274	93.95	ng	0.00
Target Compounds						
77) Benzidine	12.75	184	116139	12.467	ng	Qvalue 97

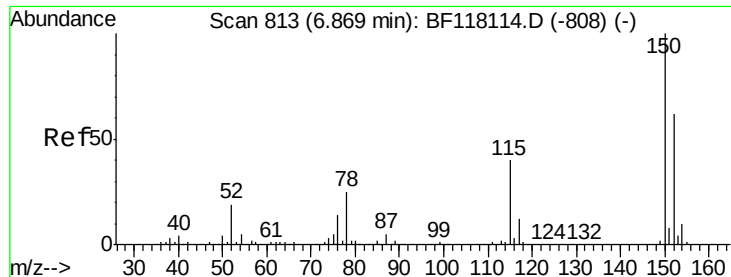
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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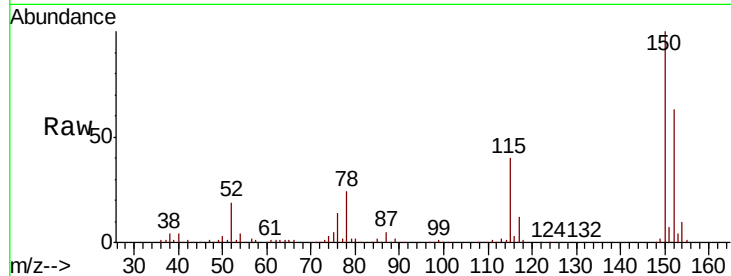


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	128.3	192.5
115	64.2	51.1	76.7

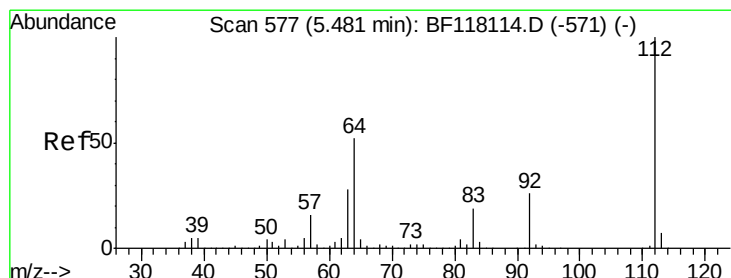
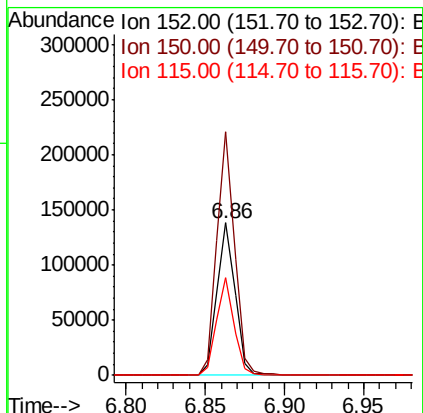
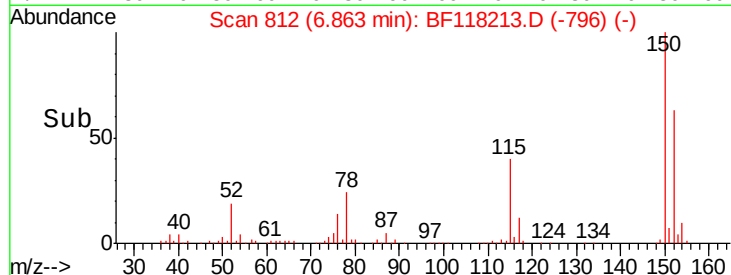


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

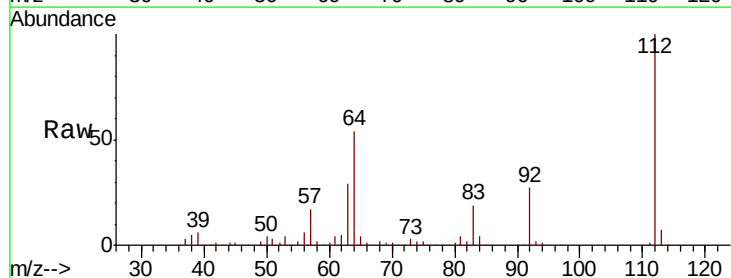
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.149 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	41.3	61.9
63	29.3	22.4	33.6

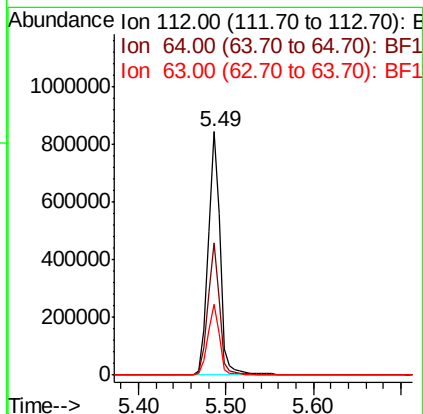
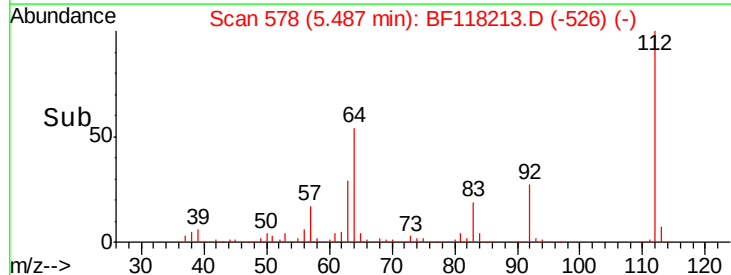


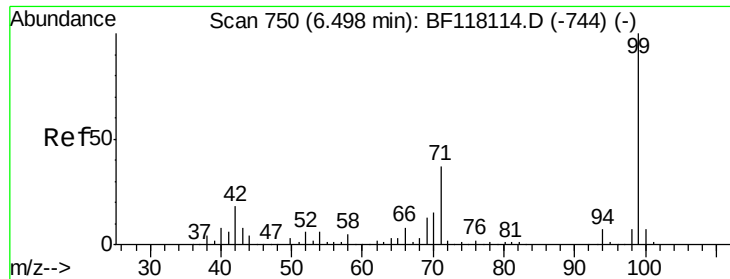
Abundance

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: 120.873 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

Instrument :

BNA_F

ClientSampleId :

TP-1

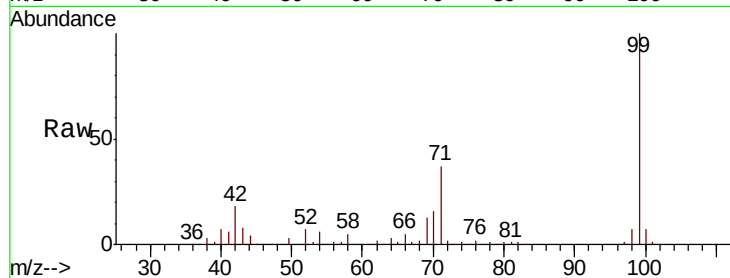
Tot Ion: 99 Resp: 917921

Ion Ratio Lower Upper

99 100

42 17.6 14.1 21.1

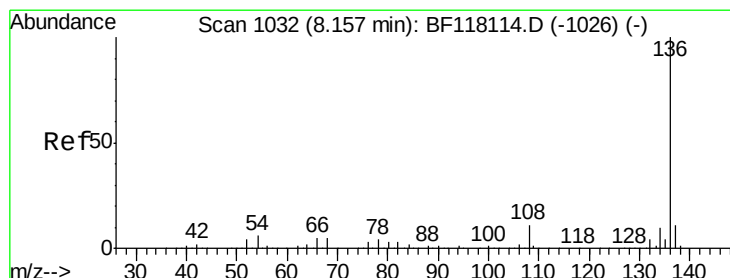
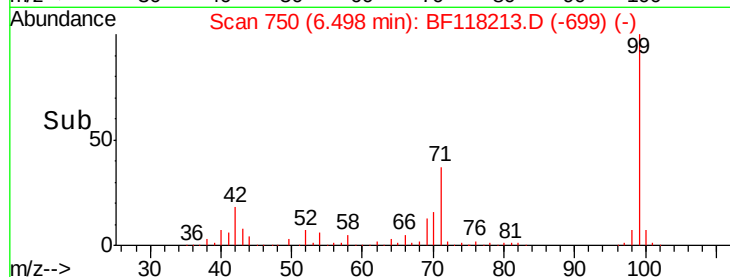
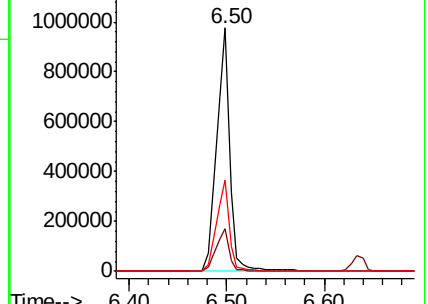
71 37.3 29.7 44.5



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: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

Tgt Ion: 136 Resp: 430216

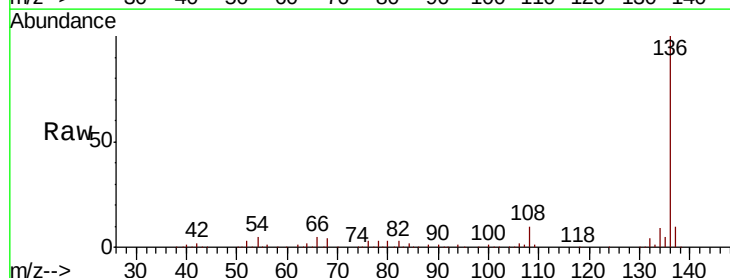
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.6

54 5.5 5.0 7.6

68 4.3 3.8 5.8

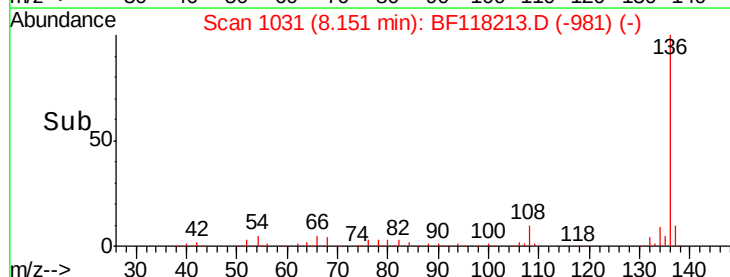
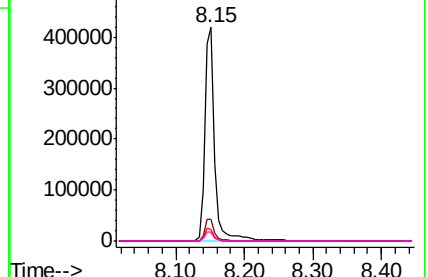


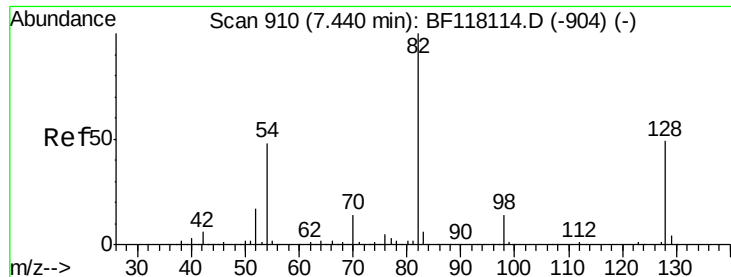
Abundance Ion 136.00 (135.70 to 136.70): E

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

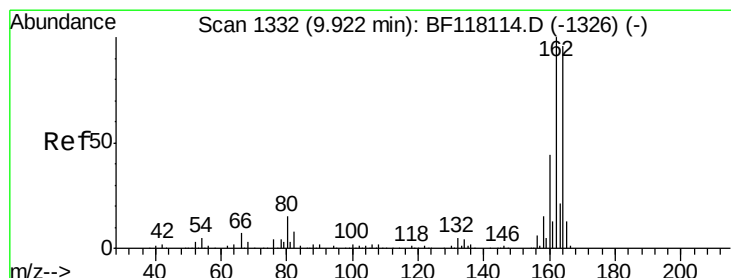
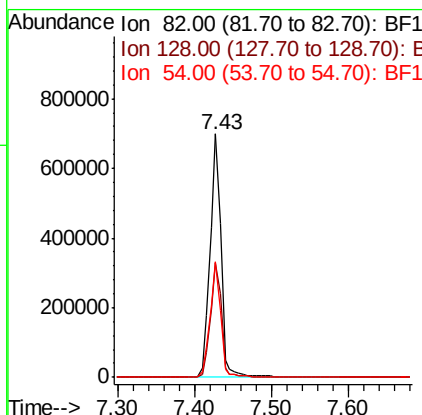
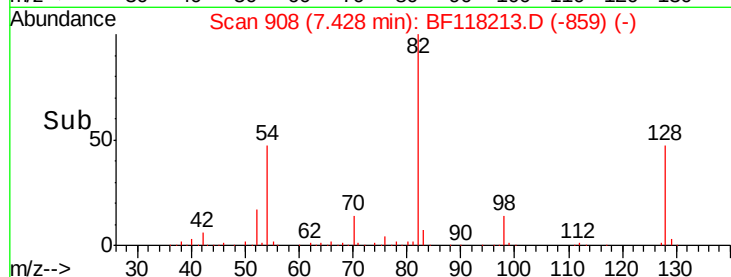
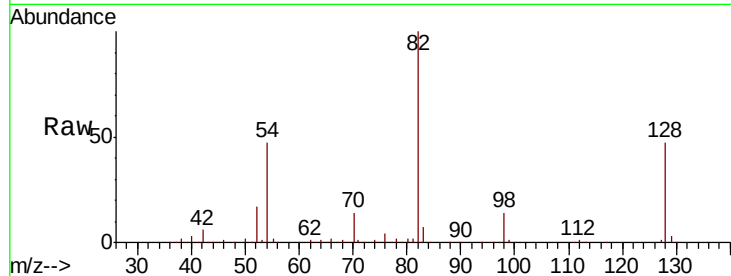




#23
 Nitrobenzene-d5
 Concen: 89.767 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

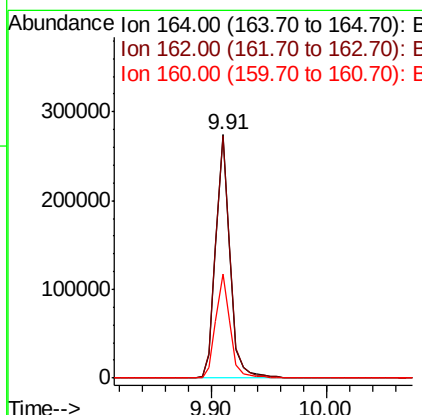
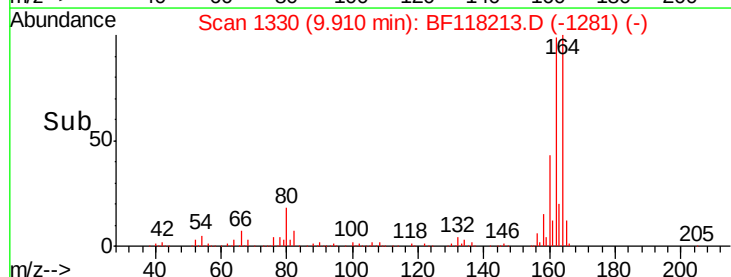
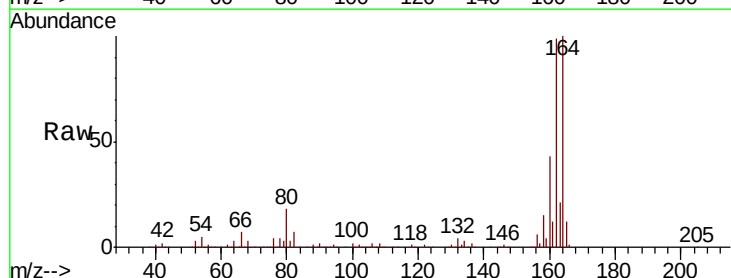
Instrument :
 BNA_F
 ClientSampled :
 TP-1

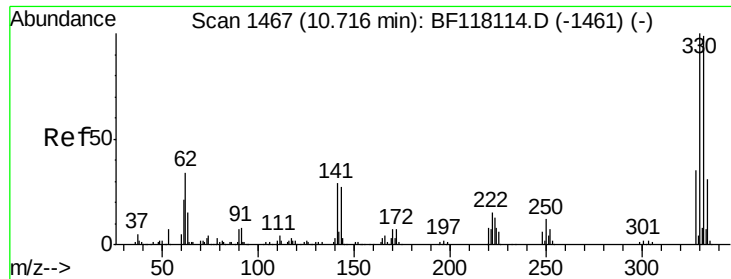
Tot Ion: 82 Resp: 686469
 Ion Ratio Lower Upper
 82 100
 128 47.0 39.1 58.7
 54 47.4 38.2 57.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF118213.D
 Acq: 16 Dec 2019 23:03

Tgt Ion:164 Resp: 234226
 Ion Ratio Lower Upper
 164 100
 162 99.3 83.4 125.0
 160 42.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 143.322 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

Instrument :

BNA_F

ClientSampled :

TP-1

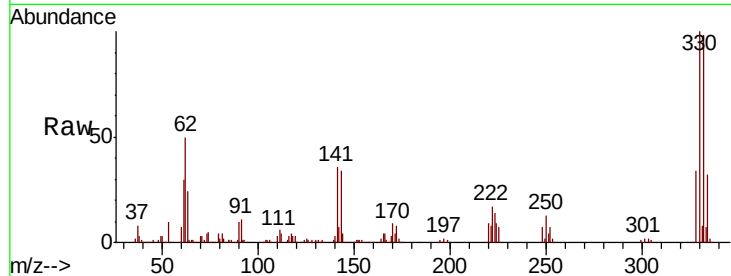
Tot Ion:330 Resp: 407811

Ion Ratio Lower Upper

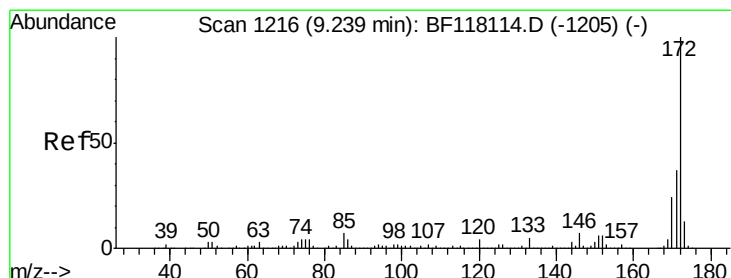
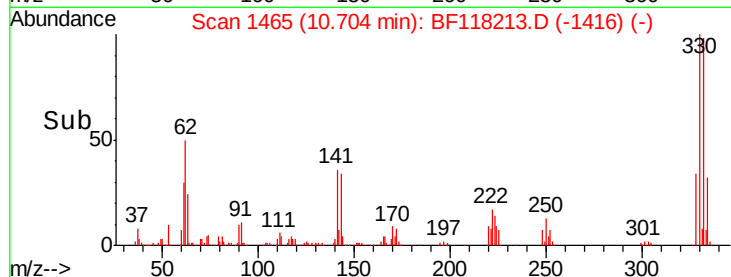
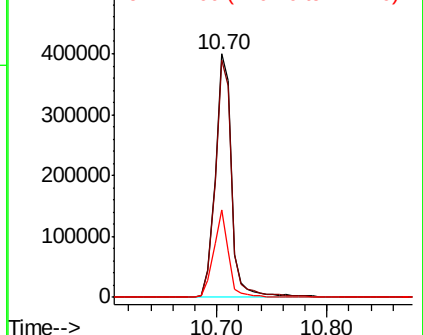
330 100

332 98.0 78.1 117.1

141 32.8 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: 92.449 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118213.D

Acq: 16 Dec 2019 23:03

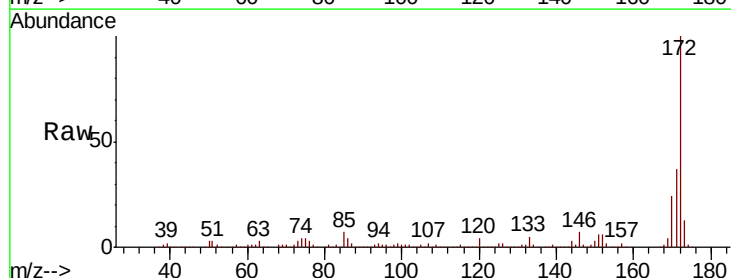
Tgt Ion:172 Resp: 1423058

Ion Ratio Lower Upper

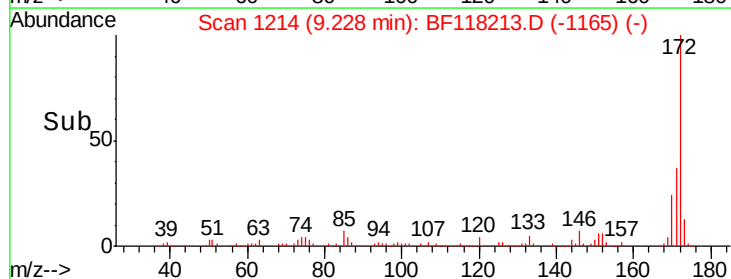
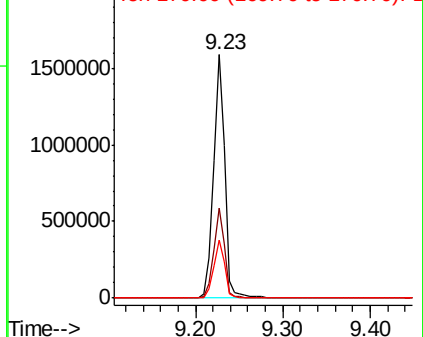
172 100

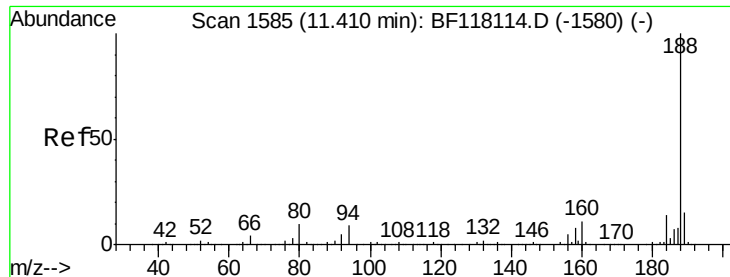
171 36.8 29.2 43.8

170 23.9 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

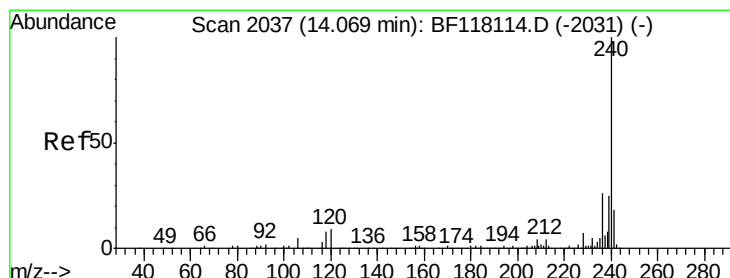
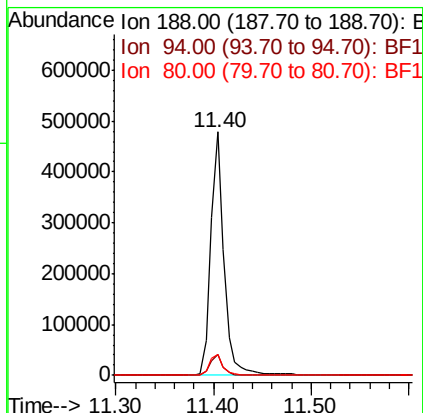
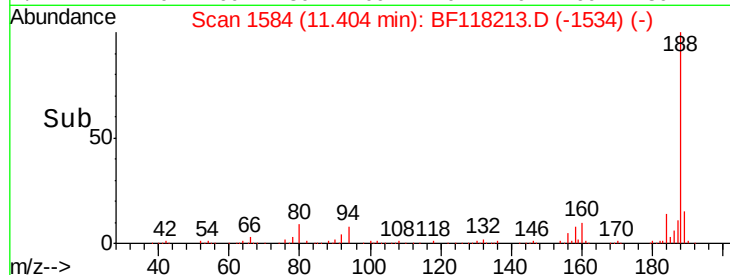
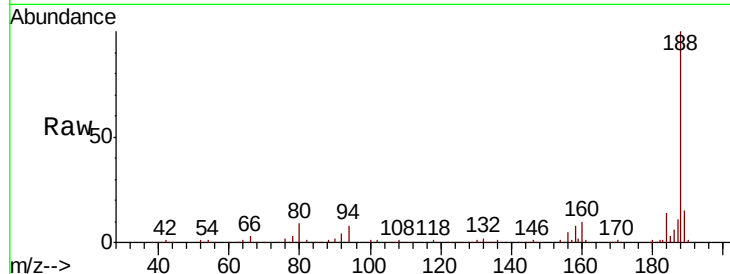




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

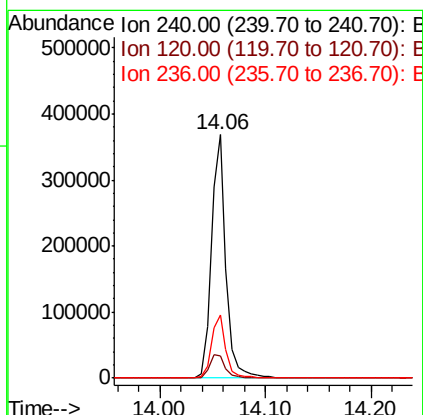
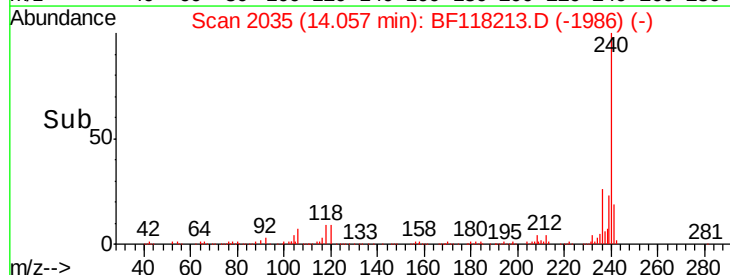
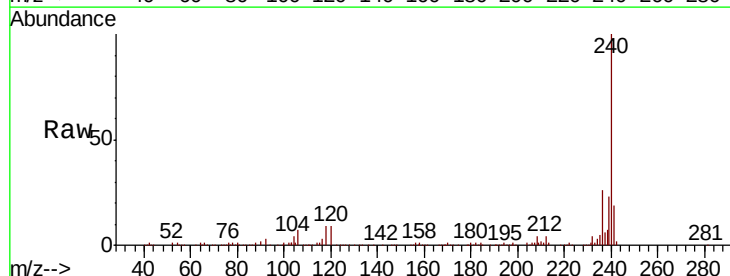
Instrument :
BNA_F
ClientSampleId :
TP-1

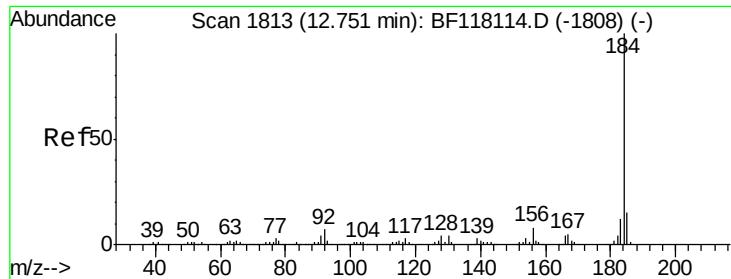
Tot Ion:188 Resp: 449410
Ion Ratio Lower Upper
188 100
94 8.4 7.1 10.7
80 8.5 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Tgt Ion:240 Resp: 353860
Ion Ratio Lower Upper
240 100
120 9.3 7.1 10.7
236 26.1 21.0 31.6

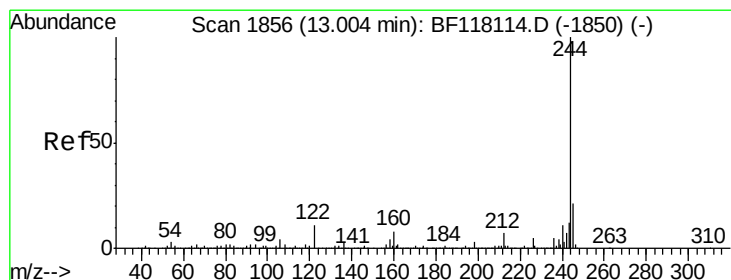
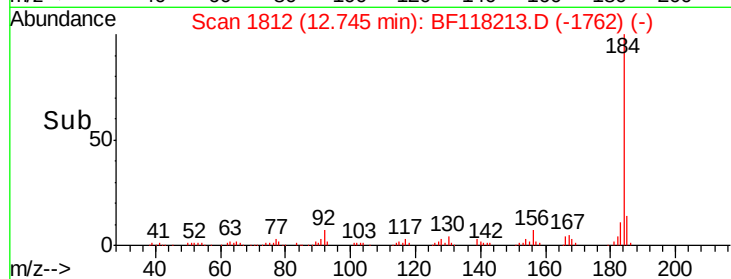
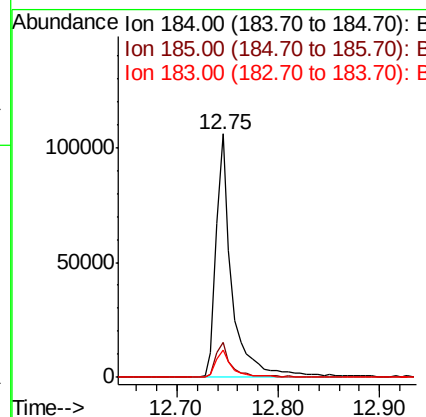
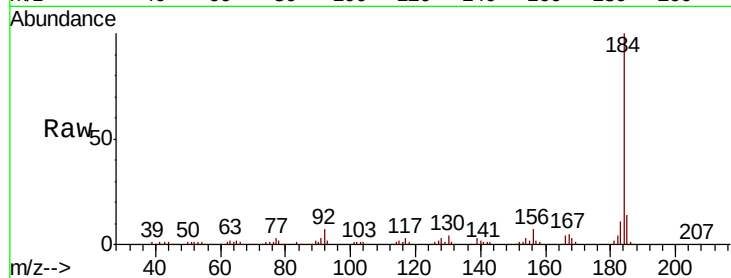




#77
Benzidine
Concen: 12.467 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

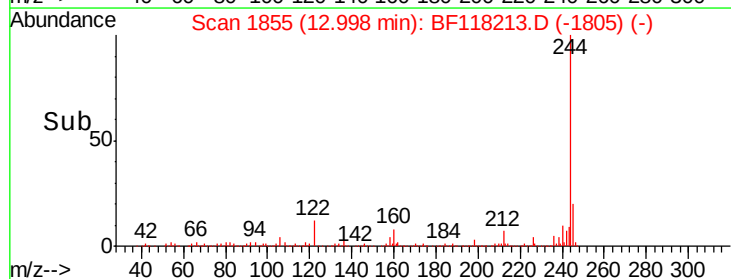
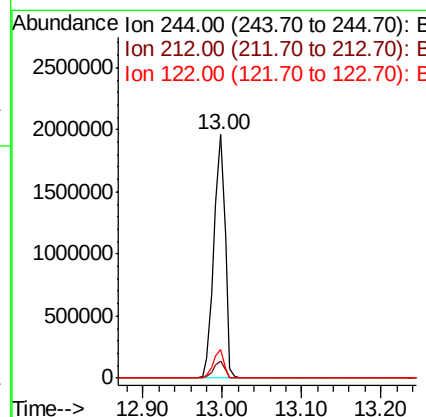
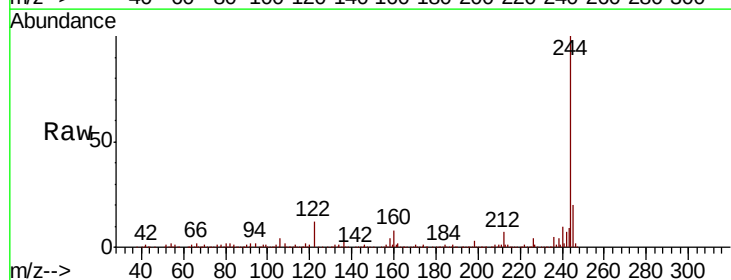
Instrument :
BNA_F
ClientSampleId :
TP-1

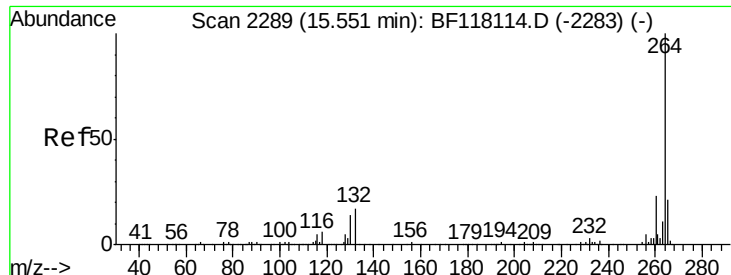
Tot Ion:184 Resp: 116139
Ion Ratio Lower Upper
184 100
185 14.1 12.3 18.5
183 11.3 9.9 14.9



#79
Terphenyl-d14
Concen: 93.950 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Tgt Ion:244 Resp: 1933274
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 11.7 9.0 13.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118213.D
Acq: 16 Dec 2019 23:03

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:264 Resp: 330612
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.6 16.8 25.2

