

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118210.D
 Acq On : 16 Dec 2019 21:39
 Operator : JU
 Sample : K6117-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-121319

Quant Time: Dec 17 03:57:38 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

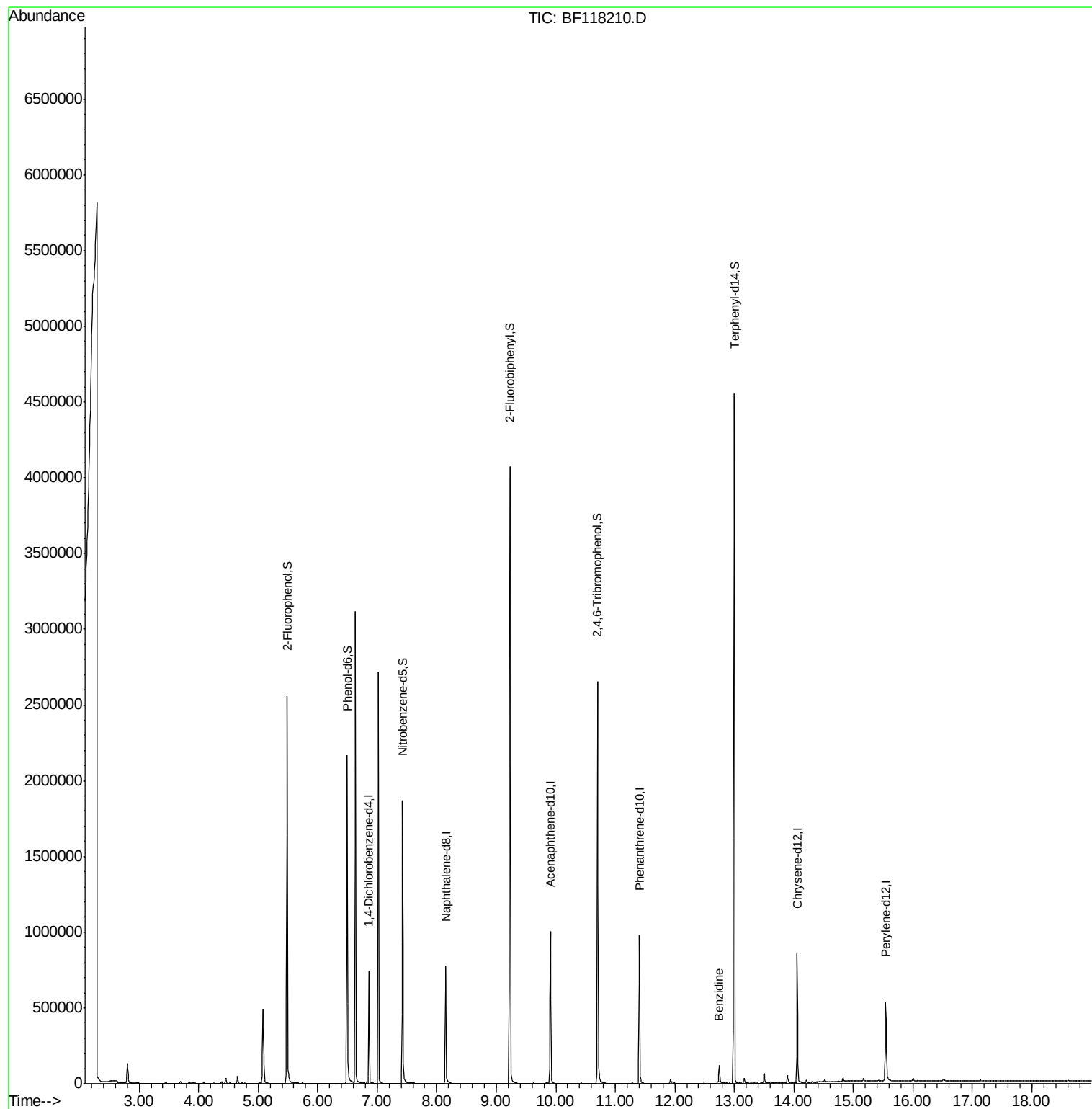
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	101353	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	387640	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	200065	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	379150	20.00	ng	0.00
76) Chrysene-d12	14.06	240	286709	20.00	ng	-0.01
87) Perylene-d12	15.54	264	270091	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	719305	124.30	ng	0.00
7) Phenol-d6	6.50	99	811312	115.91	ng	0.00
23) Nitrobenzene-d5	7.43	82	586146	85.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	340901	140.26	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1204381	91.60	ng	-0.01
79) Terphenyl-d14	13.00	244	1525097	91.47	ng	0.00
Target Compounds						
77) Benzidine	12.74	184	60169	7.972	ng	Qvalue 98

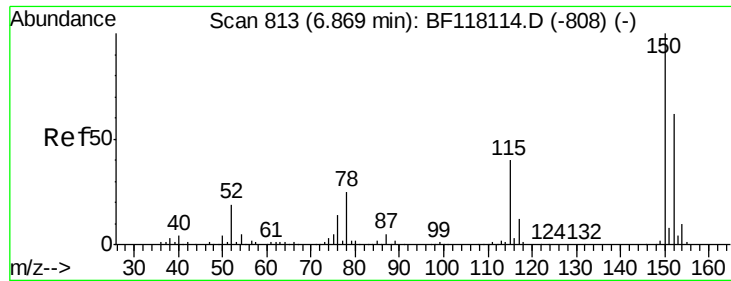
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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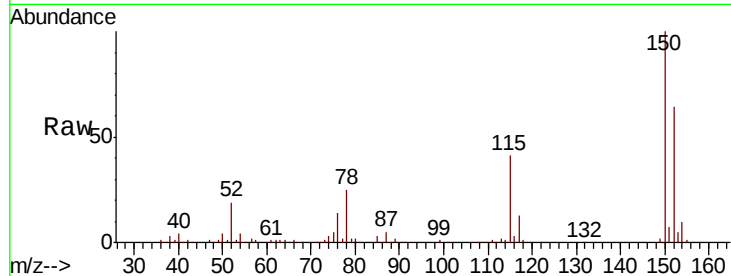


#1

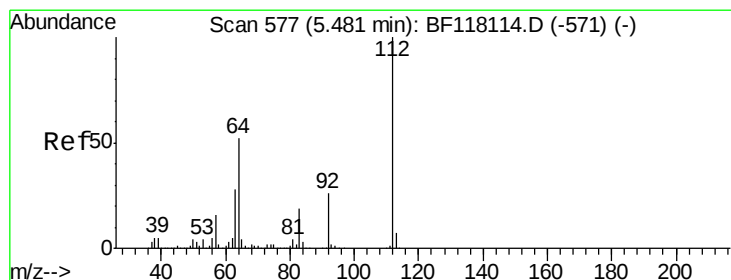
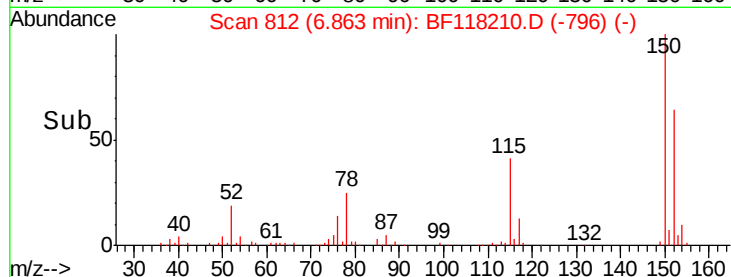
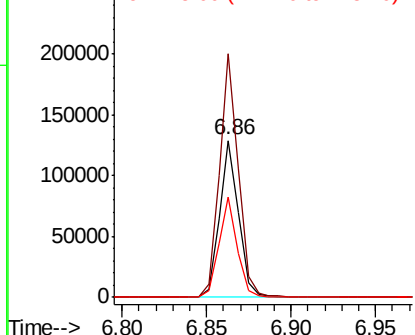
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118210.D
Acq: 16 Dec 2019 21:39

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion:152 Resp: 101353
Ion Ratio Lower Upper
152 100
150 155.5 128.3 192.5
115 63.8 51.1 76.7



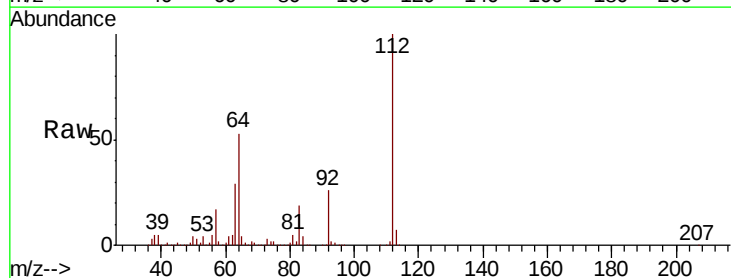
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



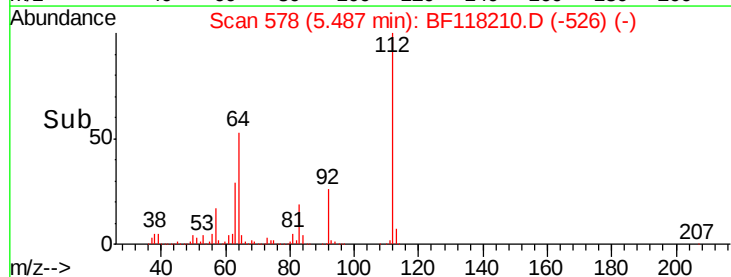
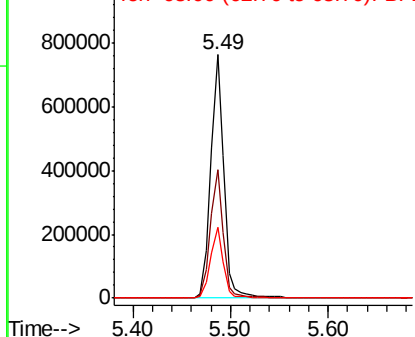
#5

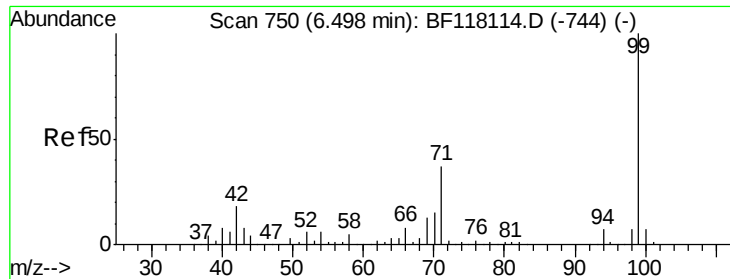
2-Fluorophenol
Concen: 124.302 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF118210.D
Acq: 16 Dec 2019 21:39

Tgt Ion:112 Resp: 719305
Ion Ratio Lower Upper
112 100
64 52.8 41.3 61.9
63 29.1 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: 115.914 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF118210.D

Acq: 16 Dec 2019 21:39

Instrument :

BNA_F

ClientSampleId :

TR-05-121319

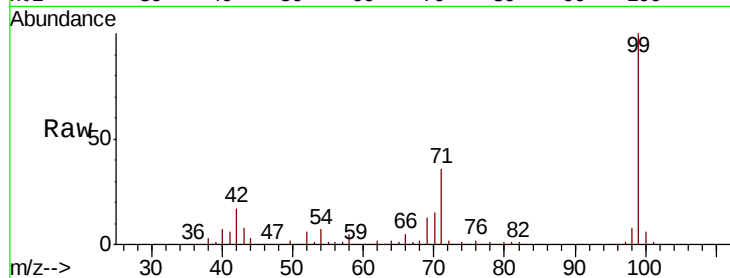
Tot Ion: 99 Resp: 811312

Ion Ratio Lower Upper

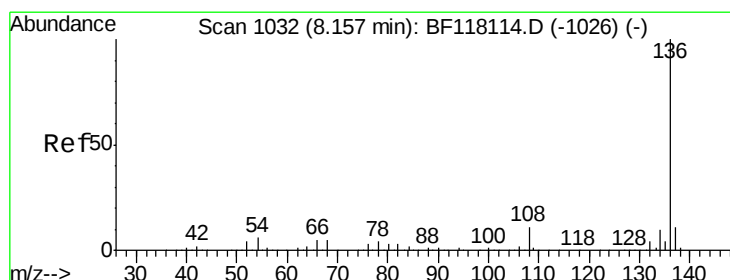
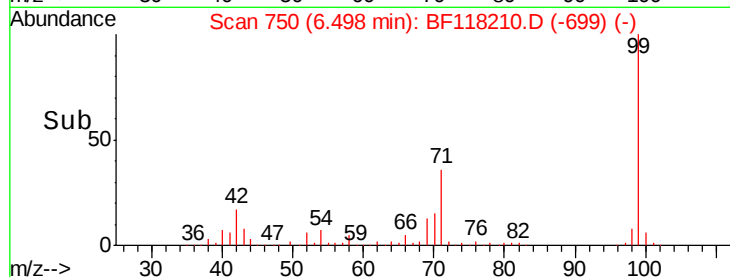
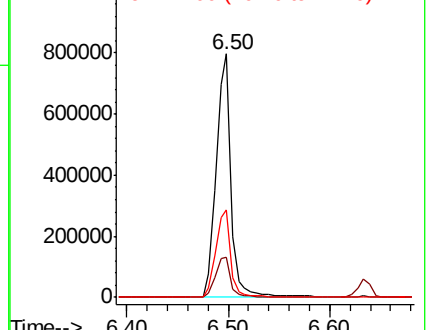
99 100

42 16.6 14.1 21.1

71 36.2 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: BF118210.D

Acq: 16 Dec 2019 21:39

Tgt Ion: 136 Resp: 387640

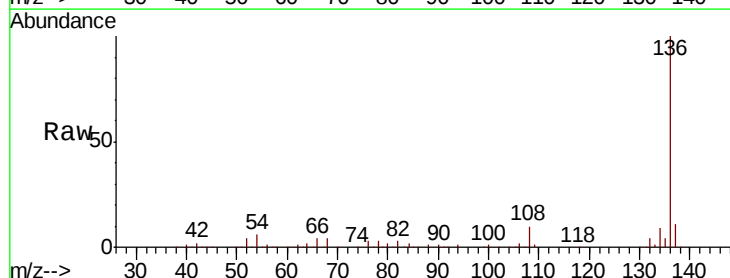
Ion Ratio Lower Upper

136 100

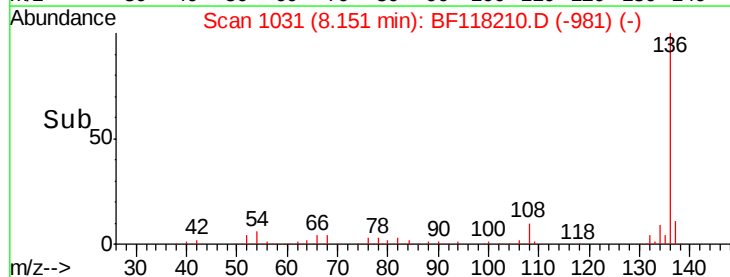
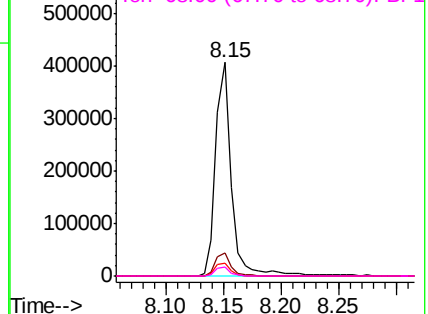
137 10.9 9.0 13.6

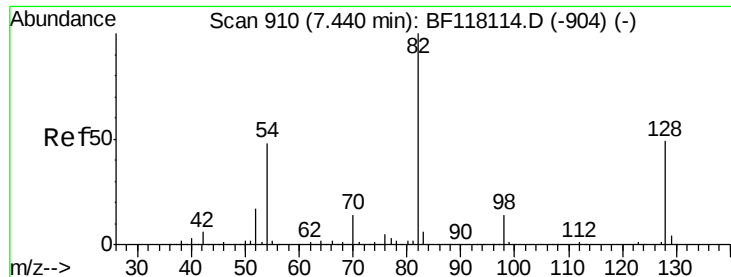
54 5.8 5.0 7.6

68 4.2 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

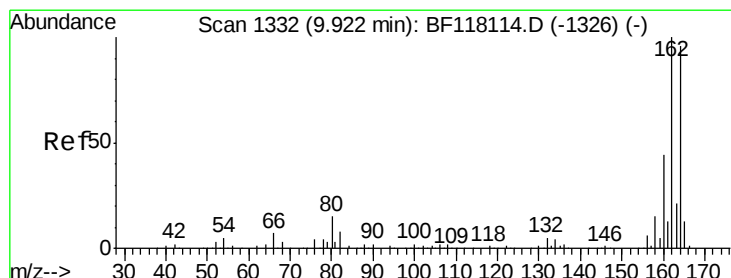
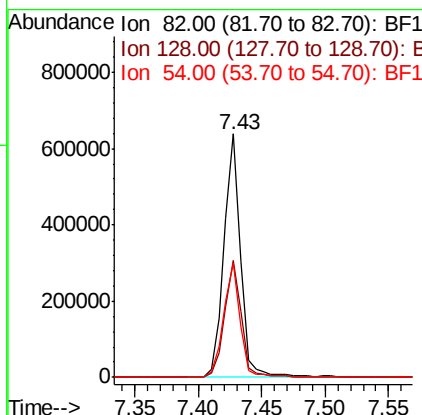
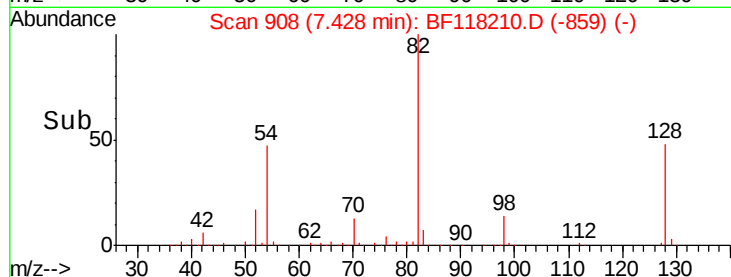
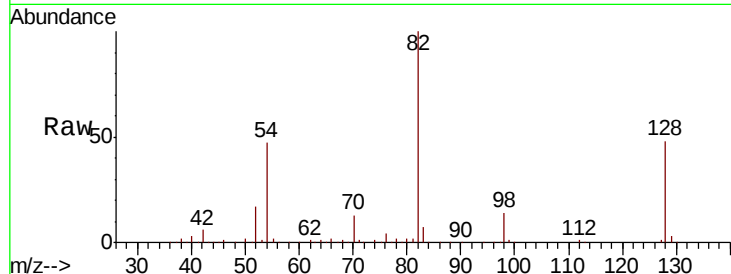




#23
 Nitrobenzene-d5
 Concen: 85.067 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118210.D
 Acq: 16 Dec 2019 21:39

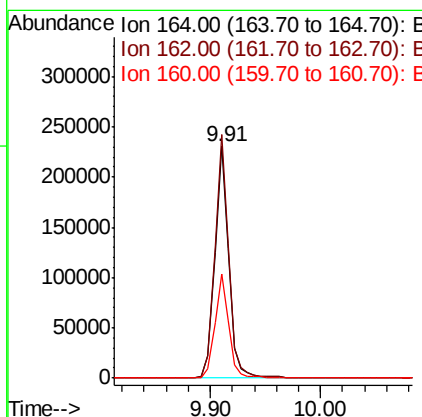
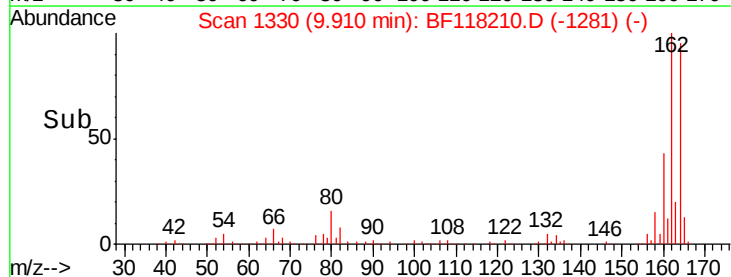
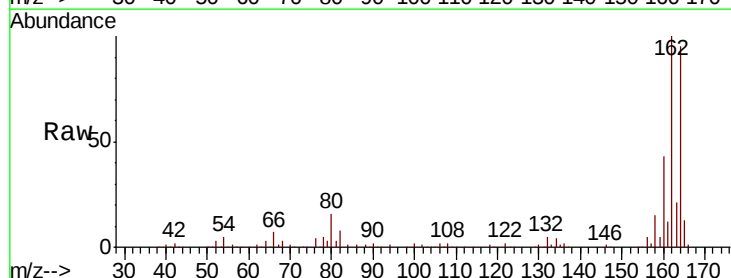
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-121319

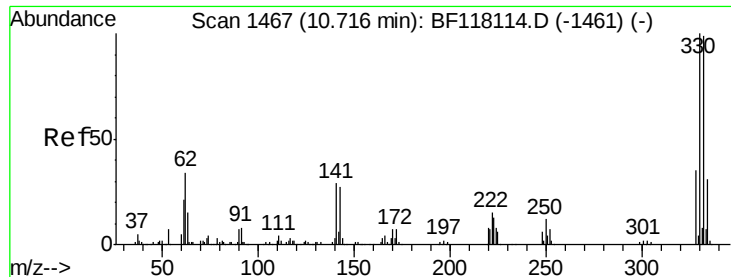
Tot Ion: 82 Resp: 586146
 Ion Ratio Lower Upper
 82 100
 128 47.9 39.1 58.7
 54 46.7 38.2 57.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF118210.D
 Acq: 16 Dec 2019 21:39

Tgt Ion: 164 Resp: 200065
 Ion Ratio Lower Upper
 164 100
 162 105.0 83.4 125.0
 160 45.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 140.264 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118210.D

Acq: 16 Dec 2019 21:39

Instrument :

BNA_F

ClientSampleId :

TR-05-121319

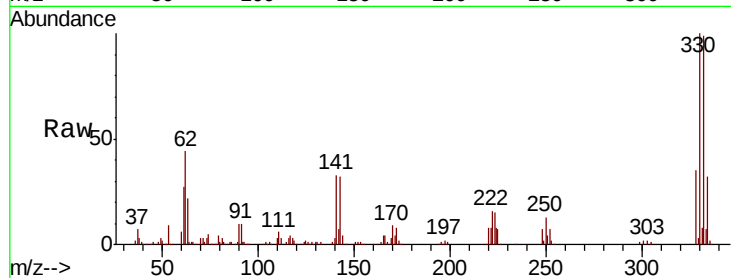
Tot Ion:330 Resp: 340901

Ion Ratio Lower Upper

330 100

332 96.5 78.1 117.1

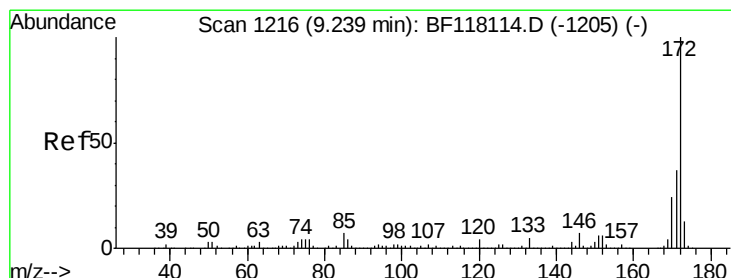
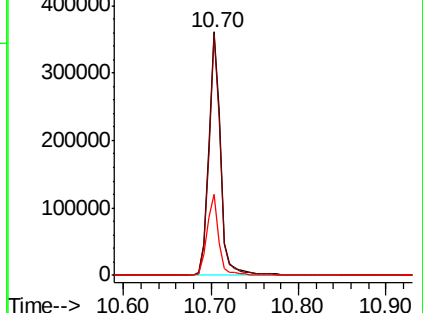
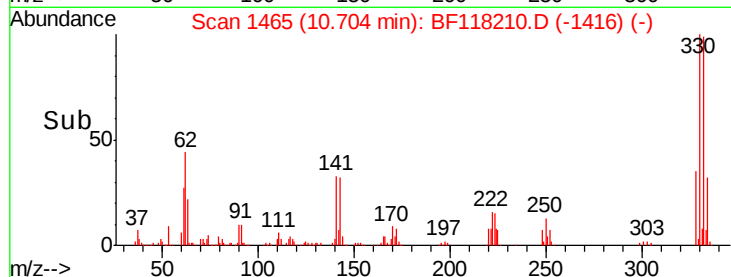
141 32.8 26.9 40.3



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: 91.602 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118210.D

Acq: 16 Dec 2019 21:39

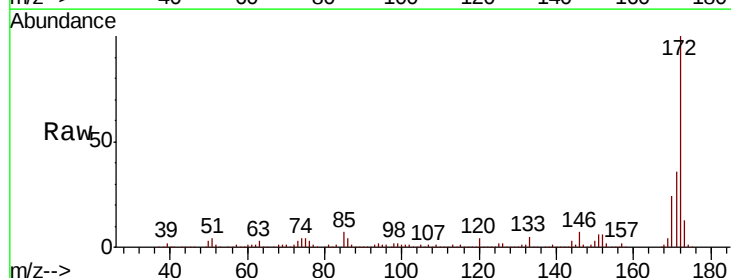
Tgt Ion:172 Resp: 1204381

Ion Ratio Lower Upper

172 100

171 35.7 29.2 43.8

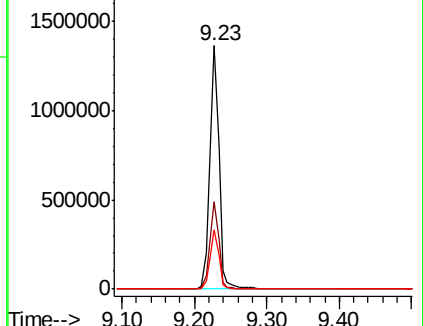
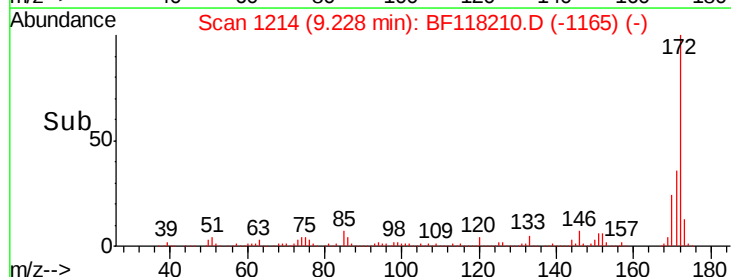
170 24.3 19.4 29.2

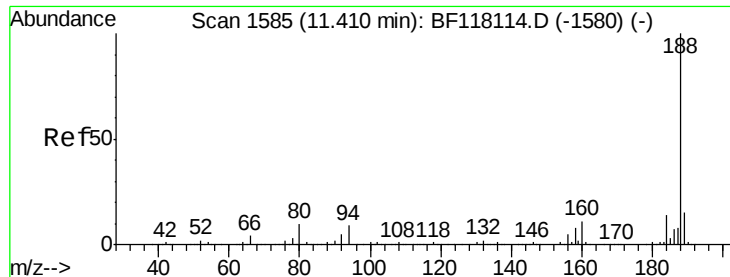


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

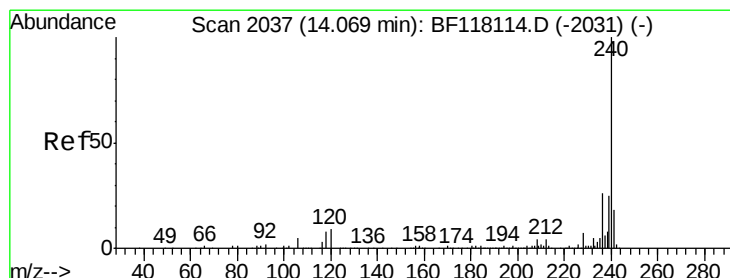
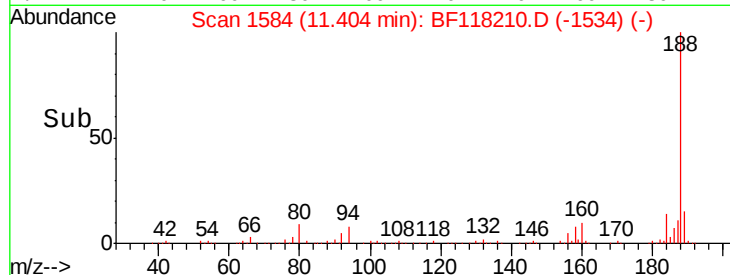
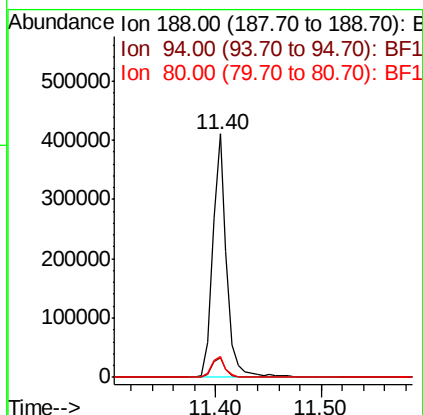
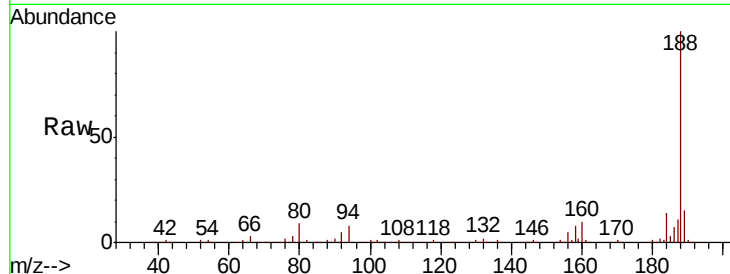




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118210.D
Acq: 16 Dec 2019 21:39

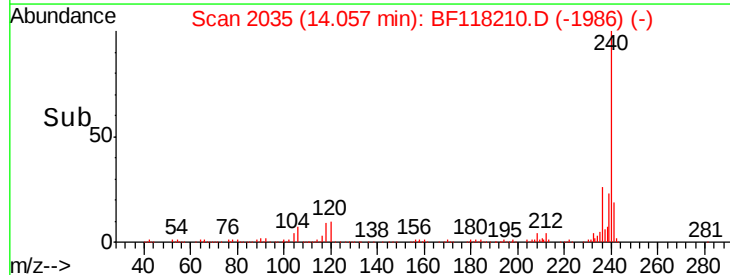
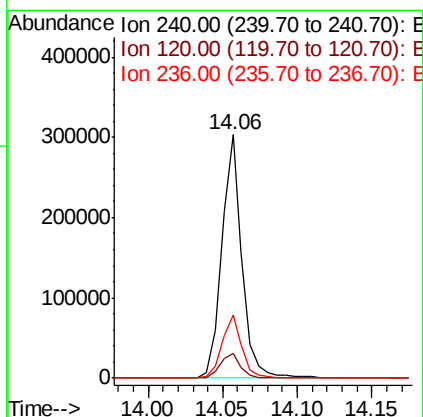
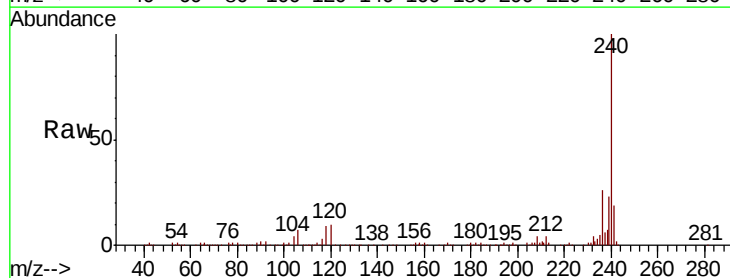
Instrument :
BNA_F
ClientSampled :
TR-05-121319

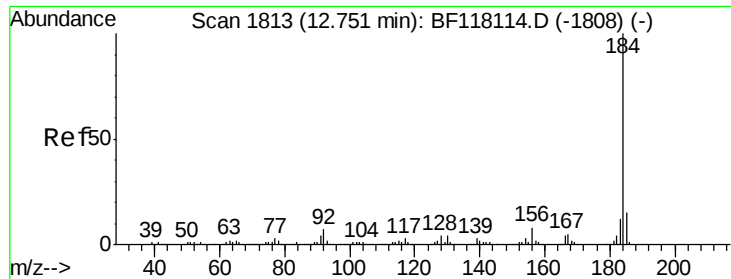
Tot Ion:188 Resp: 379150
Ion Ratio Lower Upper
188 100
94 7.8 7.1 10.7
80 8.7 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118210.D
Acq: 16 Dec 2019 21:39

Tgt Ion:240 Resp: 286709
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 25.7 21.0 31.6





#77

Benzidine

Concen: 7.972 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118210.D

Acq: 16 Dec 2019 21:39

Instrument :

BNA_F

ClientSampleId :

TR-05-121319

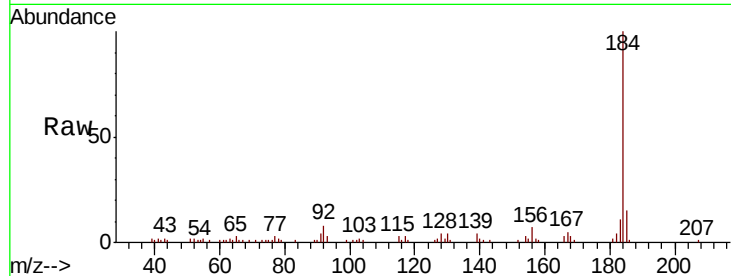
Tot Ion:184 Resp: 60169

Ion Ratio Lower Upper

184 100

185 14.7 12.3 18.5

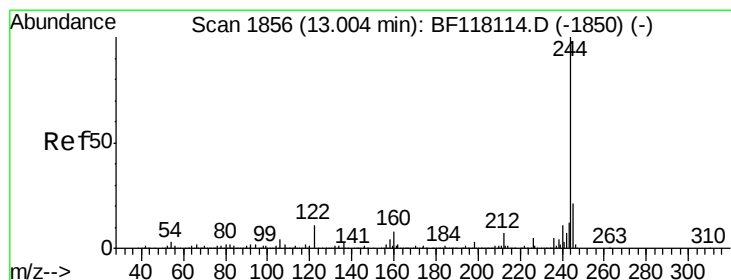
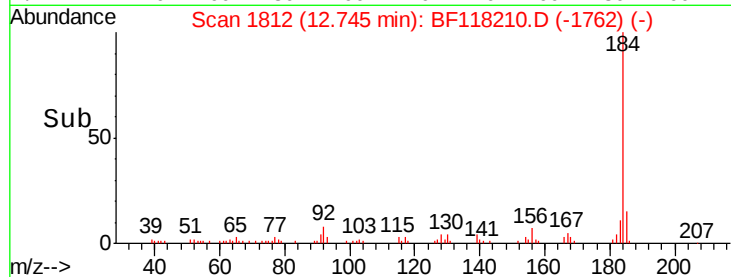
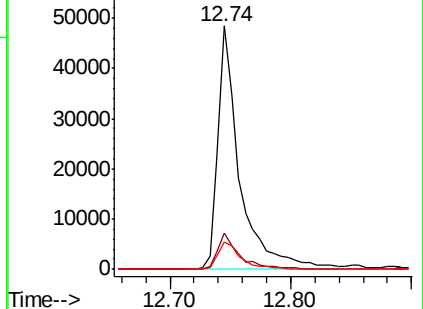
183 11.1 9.9 14.9



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: 91.472 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF118210.D

Acq: 16 Dec 2019 21:39

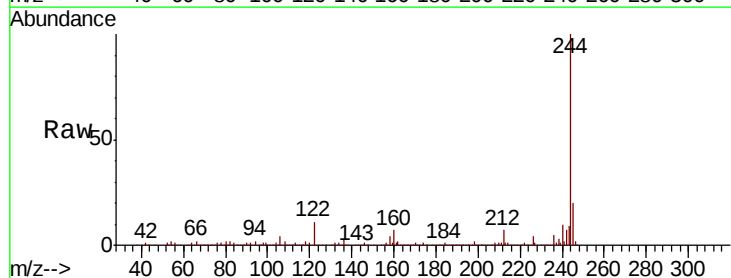
Tgt Ion:244 Resp: 1525097

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

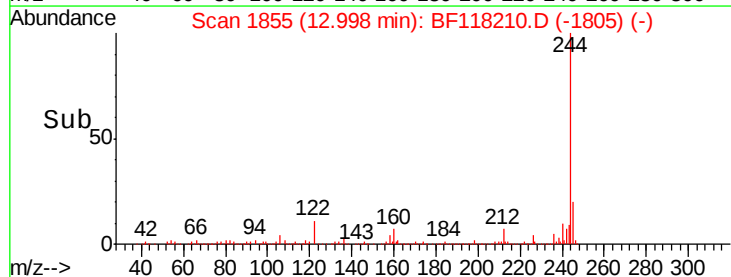
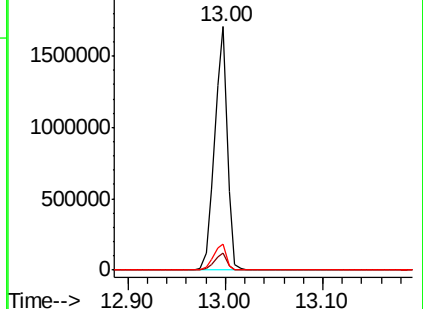
122 10.7 9.0 13.6

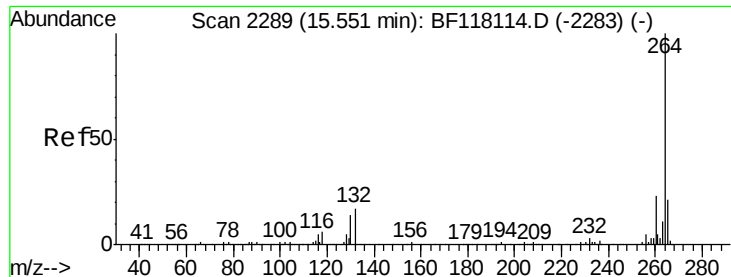


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



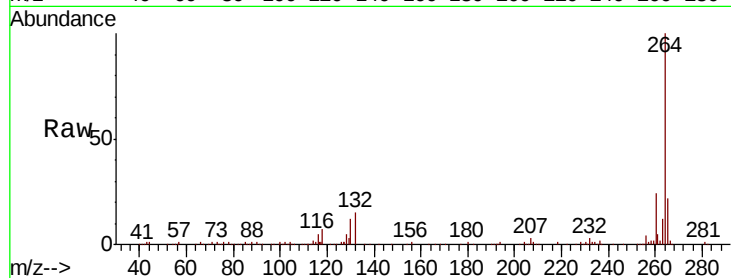


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.01 min
Lab File: BF118210.D
Acq: 16 Dec 2019 21:39

Instrument :
BNA_F
ClientSampleId :
TR-05-121319

Tot Ion:264 Resp: 270091

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.5	16.8	25.2



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

