

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\
 Data File : BF118214.D
 Acq On : 16 Dec 2019 23:31
 Operator : JU
 Sample : K6294-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Dec 17 04:13:21 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

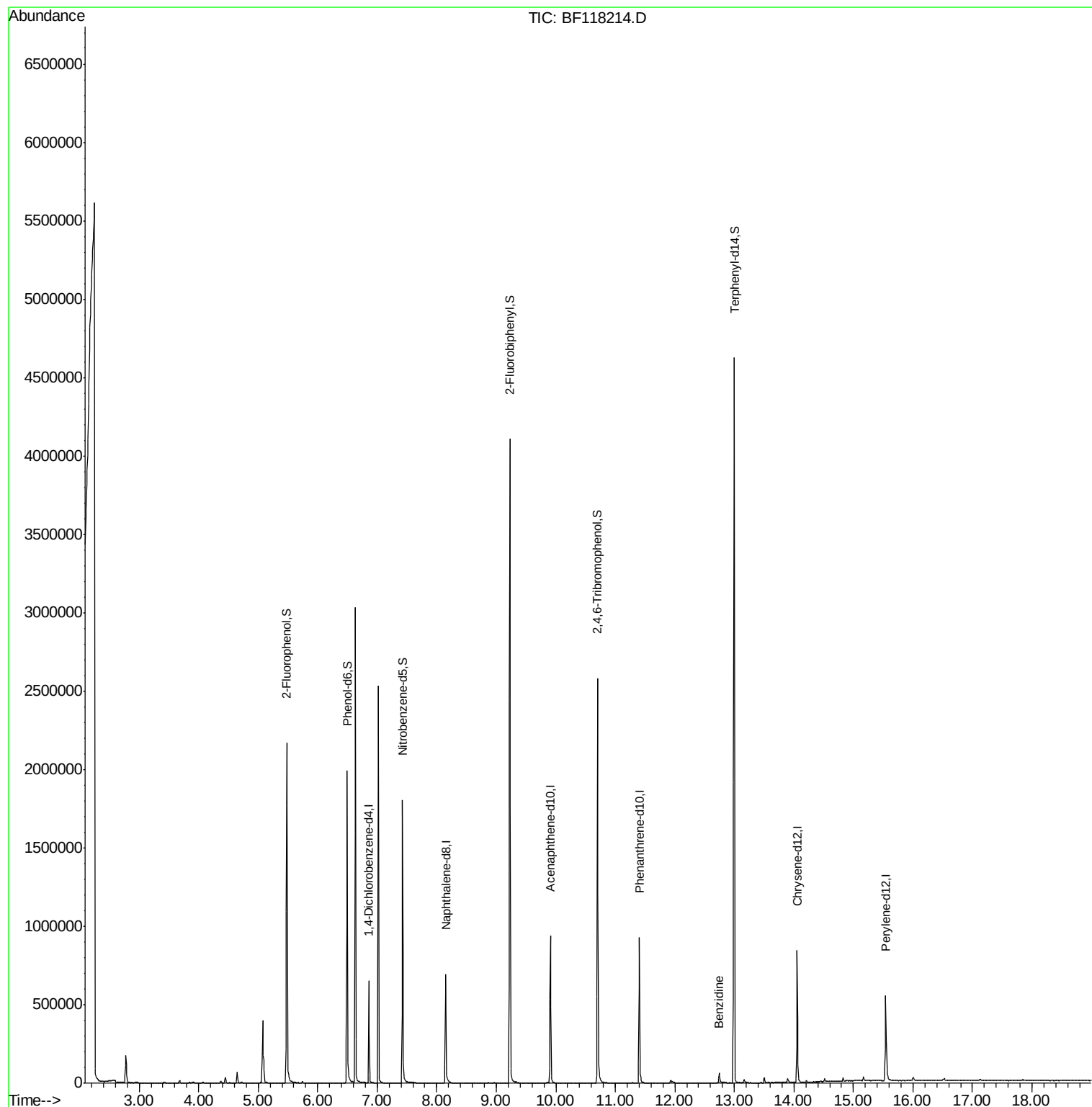
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	91173	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	350675	20.00	ng	0.00
39) Acenaphthene-d10	9.91	164	190396	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	372409	20.00	ng	0.00
76) Chrysene-d12	14.06	240	300335	20.00	ng	-0.01
87) Perylene-d12	15.54	264	291564	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	653344	125.51	ng	0.00
7) Phenol-d6	6.49	99	724337	115.04	ng	0.00
23) Nitrobenzene-d5	7.43	82	555979	89.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	331977	143.53	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	1165845	93.17	ng	-0.01
79) Terphenyl-d14	13.00	244	1634284	93.57	ng	0.00
Target Compounds						
77) Benzidine	12.75	184	32716	4.138	ng	Qvalue 97

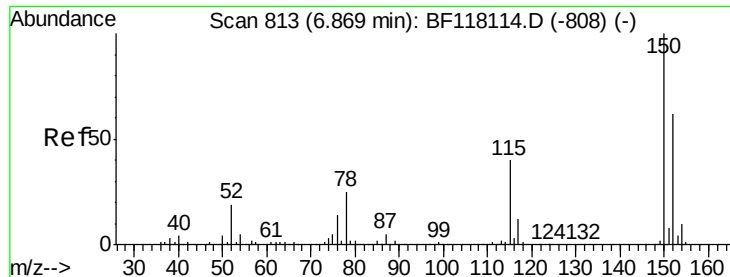
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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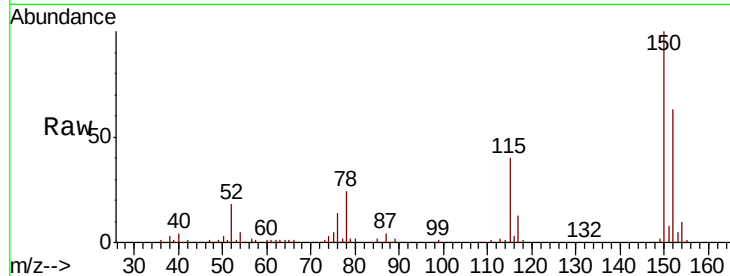


#1

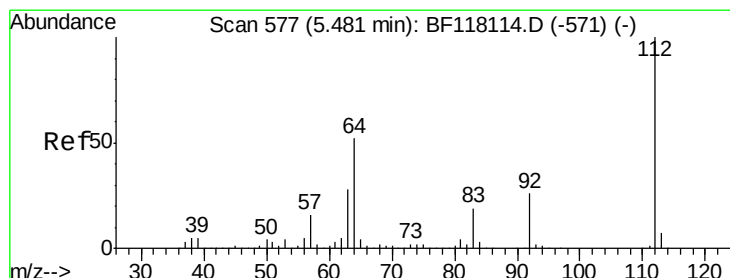
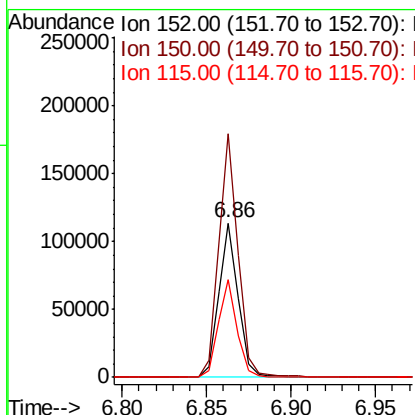
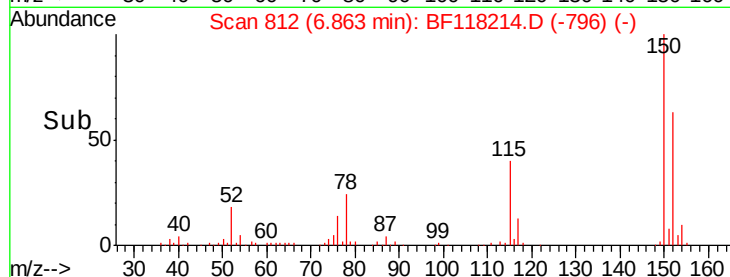
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF118214.D
Acq: 16 Dec 2019 23:31

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:152 Resp: 91173
Ion Ratio Lower Upper
152 100
150 158.0 128.3 192.5
115 63.0 51.1 76.7



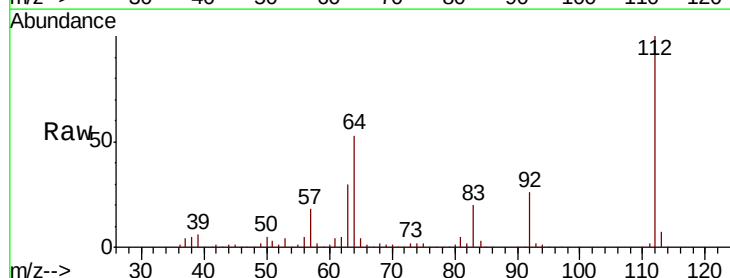
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



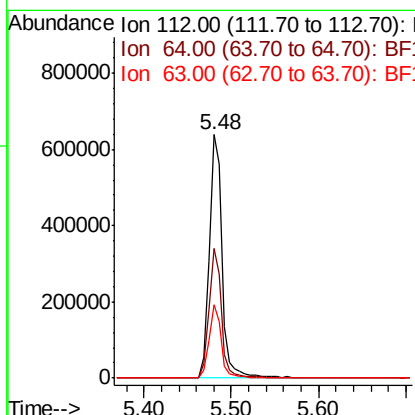
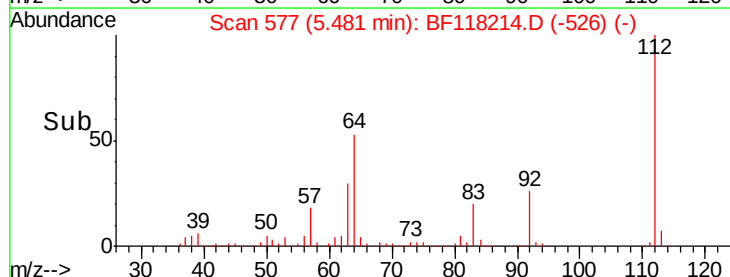
#5

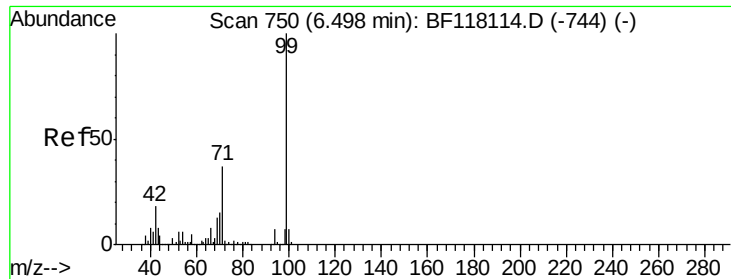
2-Fluorophenol
Concen: 125.510 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF118214.D
Acq: 16 Dec 2019 23:31

Tgt Ion:112 Resp: 653344
Ion Ratio Lower Upper
112 100
64 53.3 41.3 61.9
63 29.9 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: 115.043 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118214.D

Acq: 16 Dec 2019 23:31

Instrument :

BNA_F

ClientSampled :

TP-2

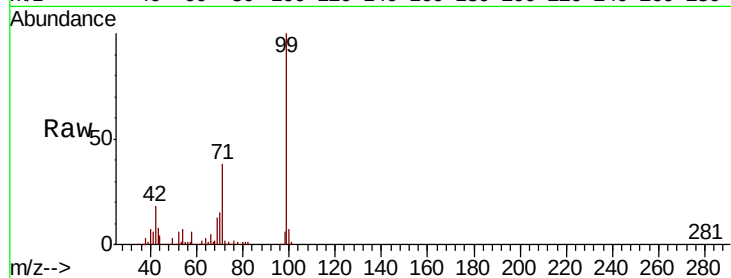
Tot Ion: 99 Resp: 724337

Ion Ratio Lower Upper

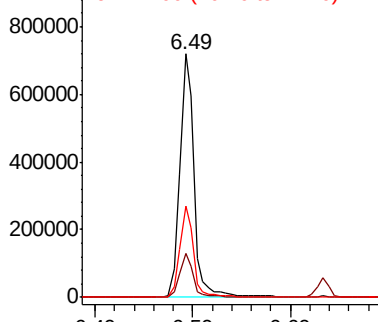
99 100

42 18.0 14.1 21.1

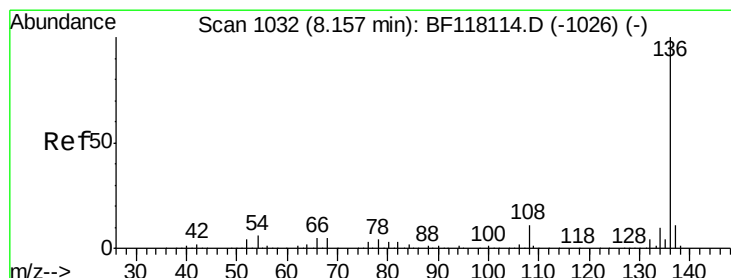
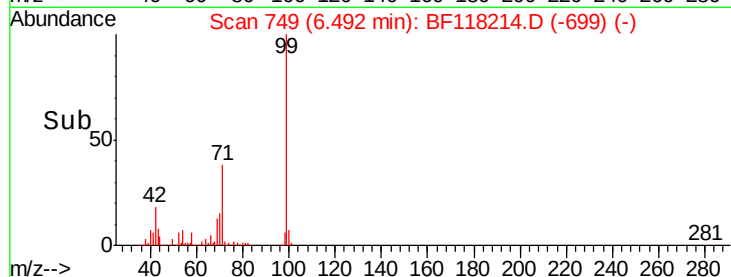
71 37.6 29.7 44.5



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



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF118214.D

Acq: 16 Dec 2019 23:31

Tgt Ion: 136 Resp: 350675

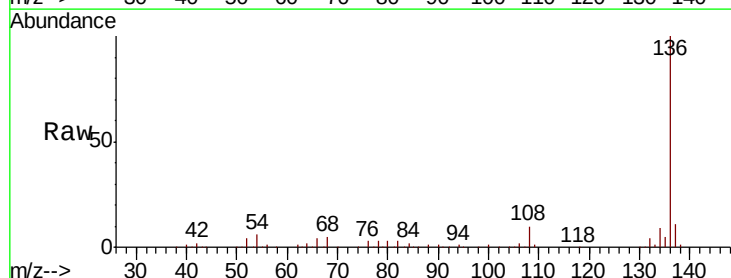
Ion Ratio Lower Upper

136 100

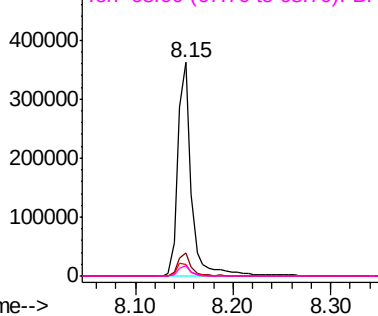
137 10.7 9.0 13.6

54 5.6 5.0 7.6

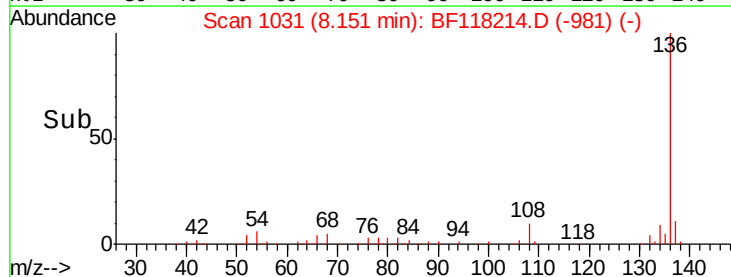
68 4.5 3.8 5.8

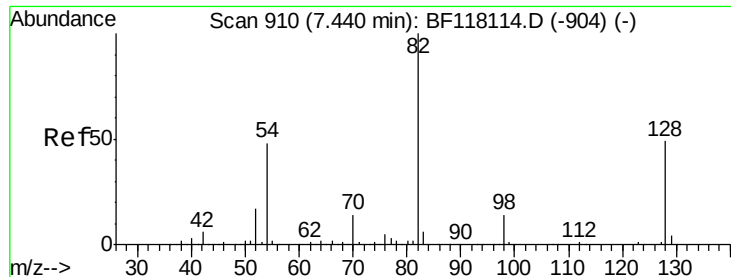


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



Time-->

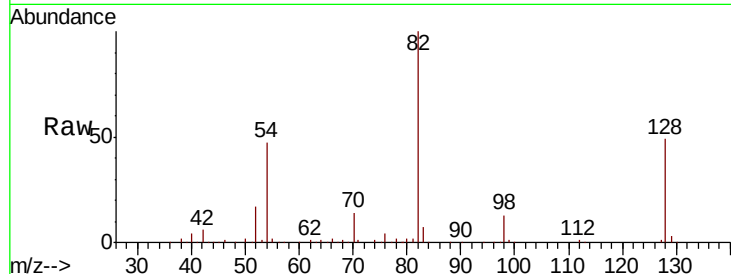




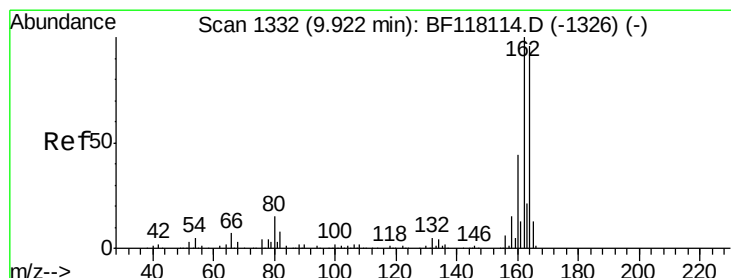
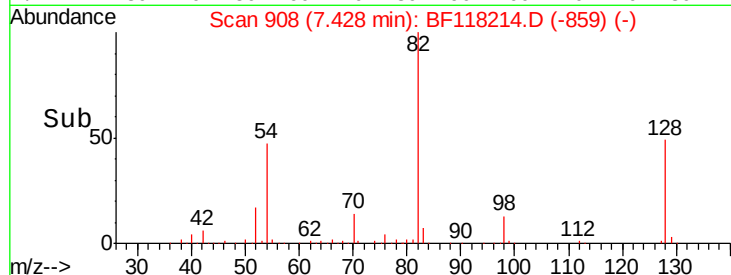
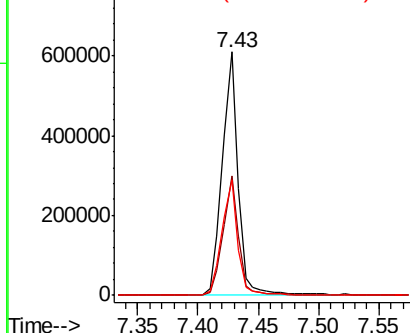
#23
 Nitrobenzene-d5
 Concen: 89.194 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF118214.D
 Acq: 16 Dec 2019 23:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	82	Resp	555979
Ion Ratio	Lower	Upper	
82	100		
128	49.3	39.1	58.7
54	47.5	38.2	57.2

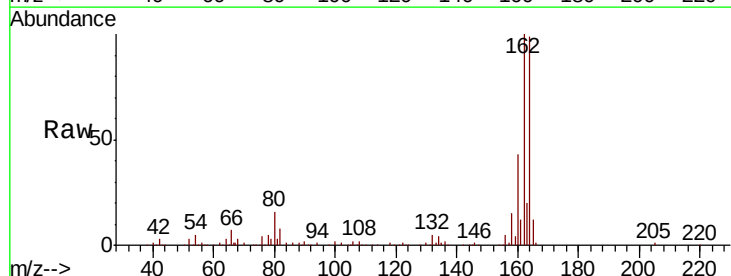


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

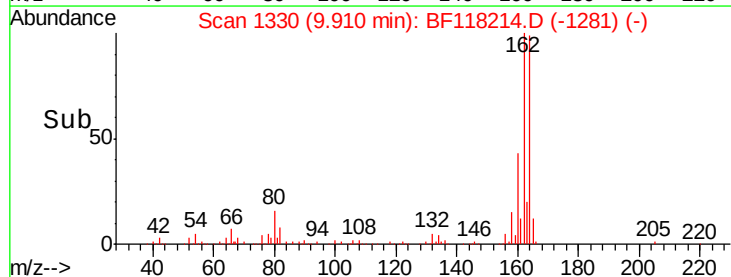
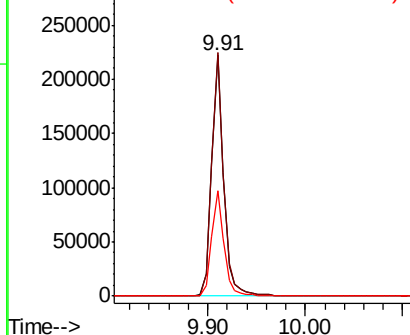


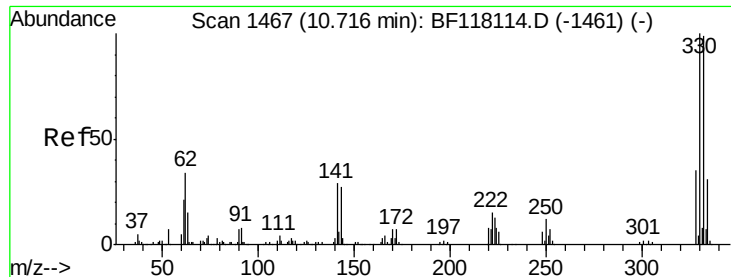
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF118214.D
 Acq: 16 Dec 2019 23:31

Tgt Ion	164	Resp	190396
Ion Ratio	Lower	Upper	
164	100		
162	101.2	83.4	125.0
160	44.0	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: 143.529 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118214.D

Acq: 16 Dec 2019 23:31

Instrument :

BNA_F

ClientSampleId :

TP-2

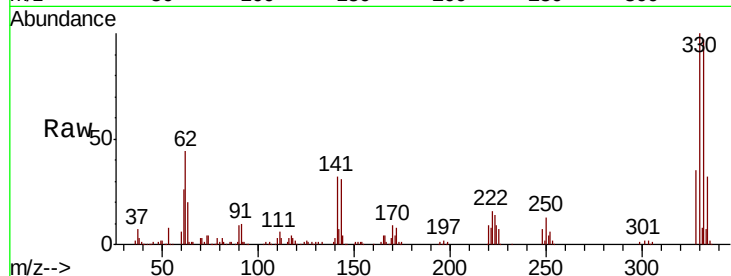
Tot Ion:330 Resp: 331977

Ion Ratio Lower Upper

330 100

332 97.7 78.1 117.1

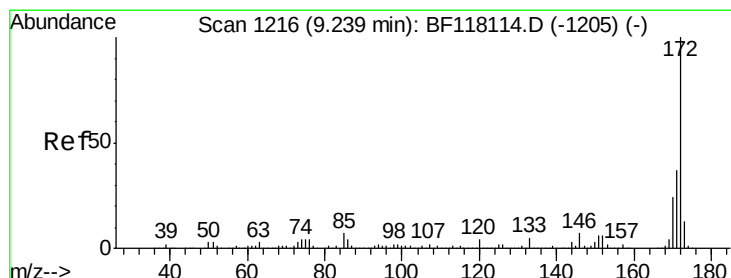
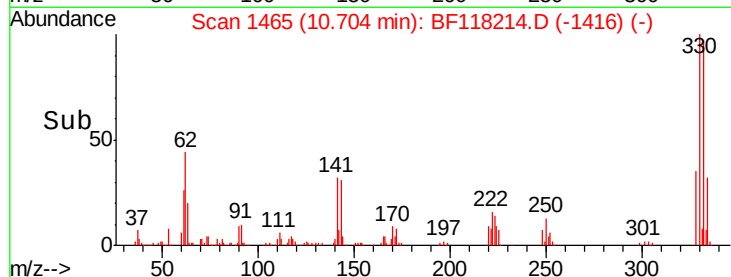
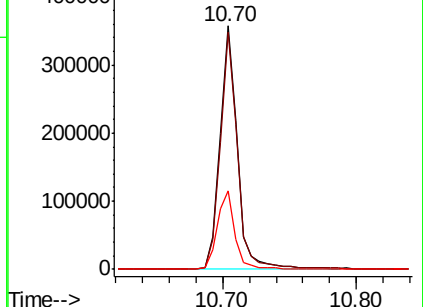
141 33.2 26.9 40.3



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: 93.174 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF118214.D

Acq: 16 Dec 2019 23:31

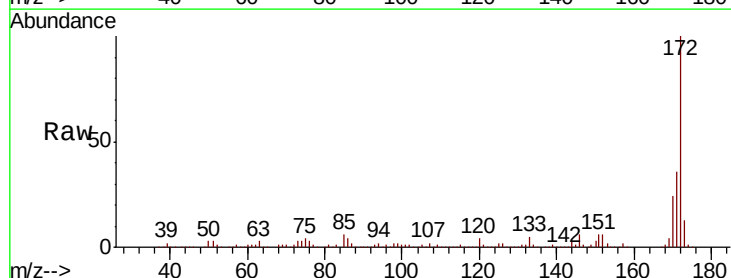
Tgt Ion:172 Resp: 1165845

Ion Ratio Lower Upper

172 100

171 35.6 29.2 43.8

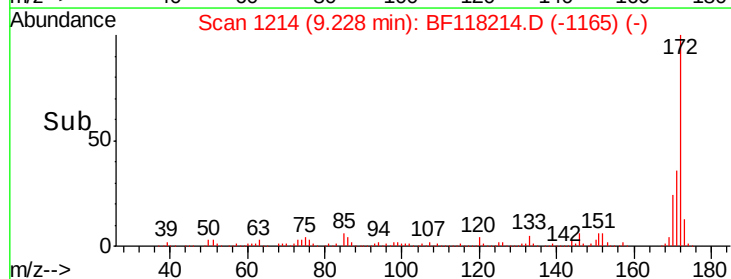
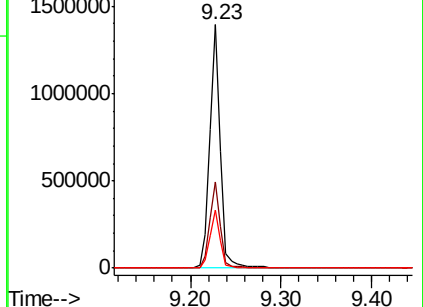
170 24.0 19.4 29.2

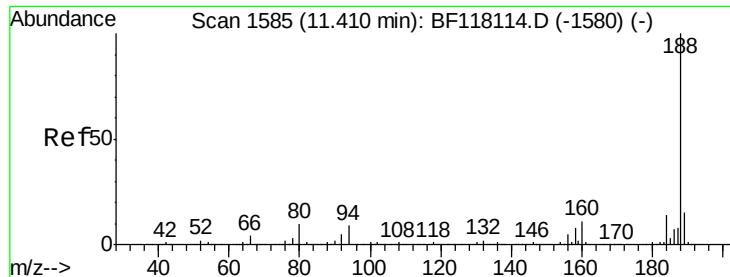


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

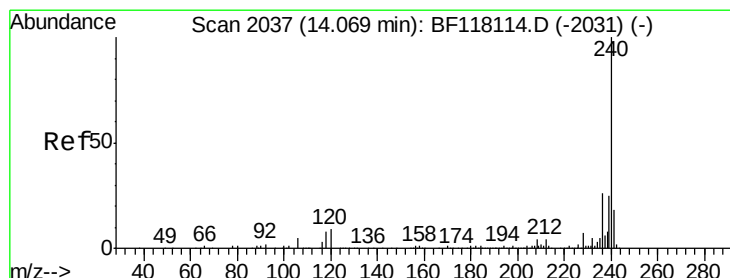
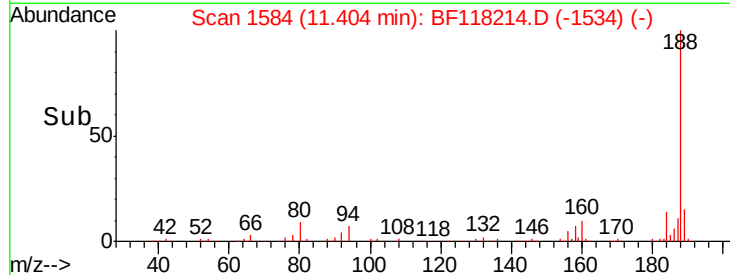
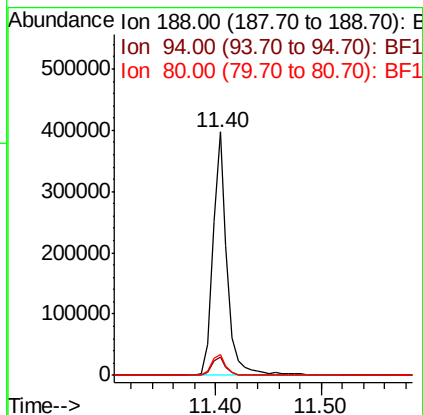
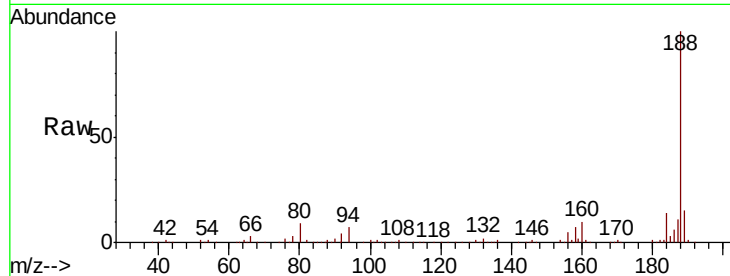




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118214.D
Acq: 16 Dec 2019 23:31

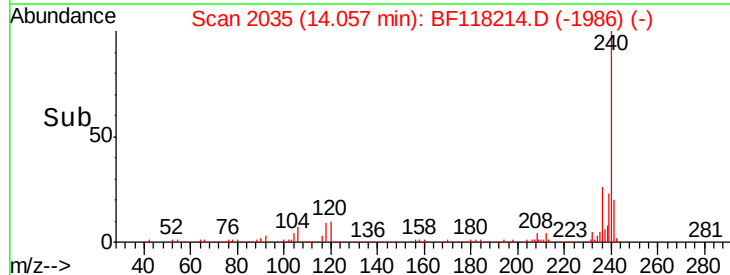
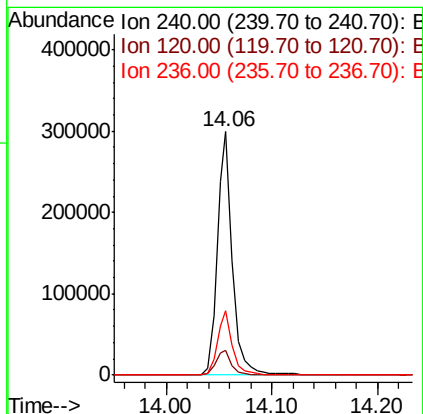
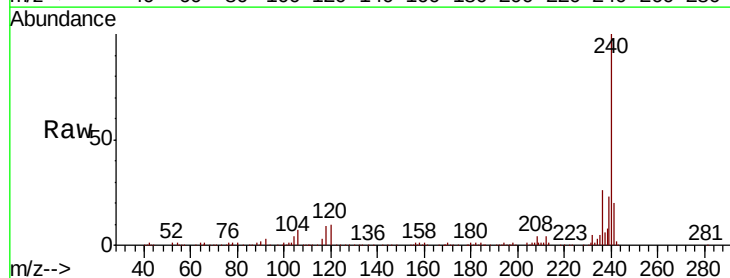
Instrument :
BNA_F
ClientSampled :
TP-2

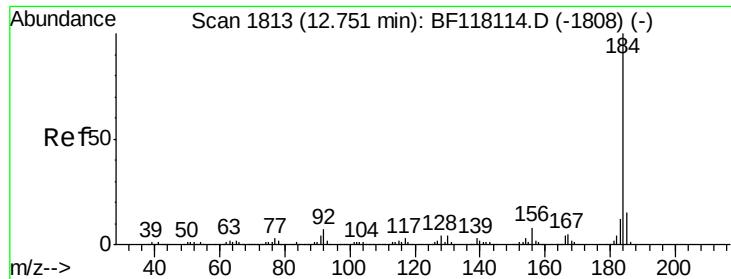
Tot Ion:188 Resp: 372409
Ion Ratio Lower Upper
188 100
94 7.3 7.1 10.7
80 8.7 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF118214.D
Acq: 16 Dec 2019 23:31

Tgt Ion:240 Resp: 300335
Ion Ratio Lower Upper
240 100
120 10.1 7.1 10.7
236 26.3 21.0 31.6





#77

Benzidine

Concen: 4.138 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF118214.D

Acq: 16 Dec 2019 23:31

Instrument :

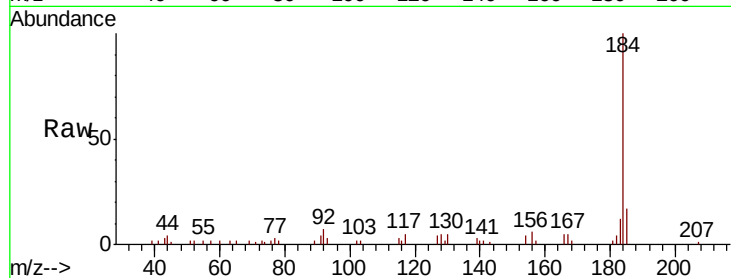
BNA_F

ClientSampleId :

TP-2

Tot Ion:184 Resp: 32716

Ion	Ratio	Lower	Upper
184	100		
185	17.1	12.3	18.5
183	11.9	9.9	14.9



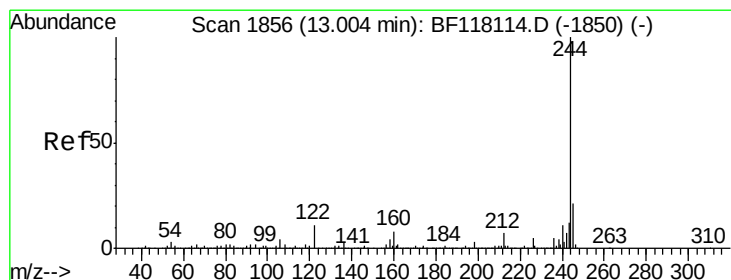
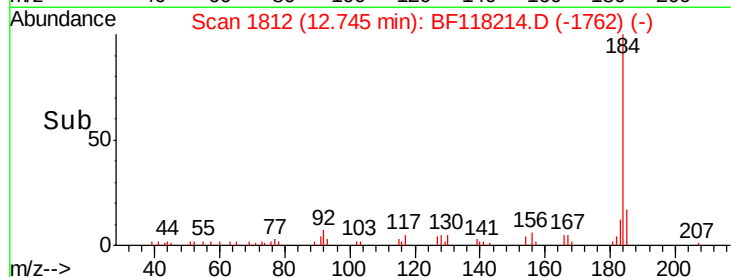
Abundance

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

Time-->



#79

Terphenyl-d14

Concen: 93.574 ng

RT: 13.00 min Scan# 1855

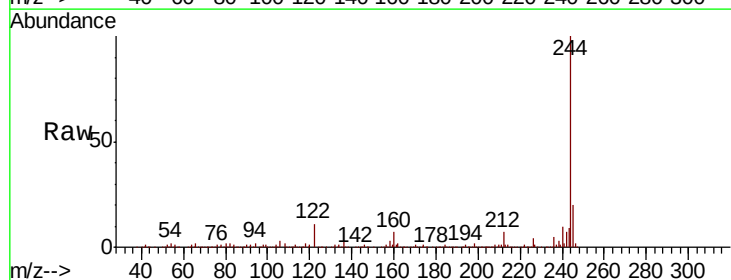
Delta R.T. -0.01 min

Lab File: BF118214.D

Acq: 16 Dec 2019 23:31

Tgt Ion:244 Resp: 1634284

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.6	9.0	13.6



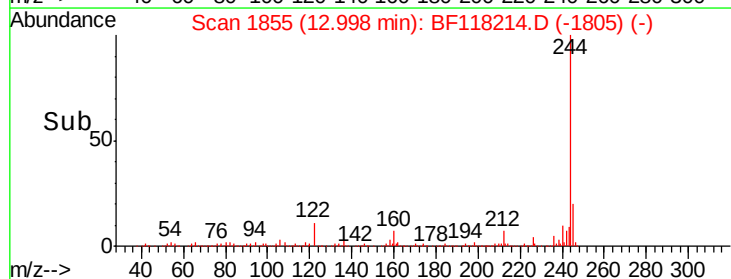
Abundance

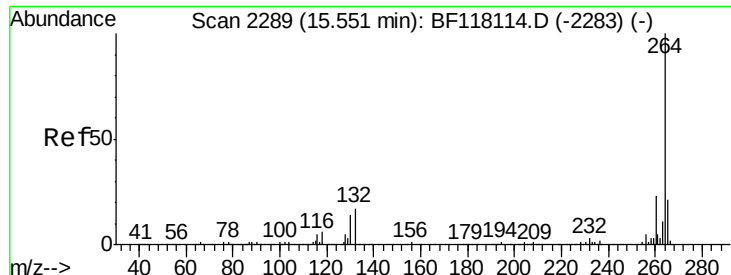
Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->

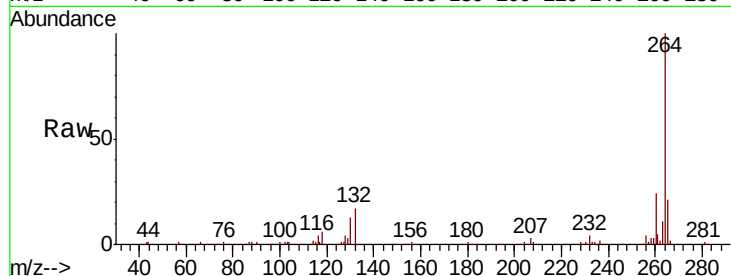




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.01 min
 Lab File: BF118214.D
 Acq: 16 Dec 2019 23:31

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	20.9	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

