

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114688.D
 Acq On : 31 May 2019 3:51
 Operator : HP/JU
 Sample : K3068-19 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:49:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

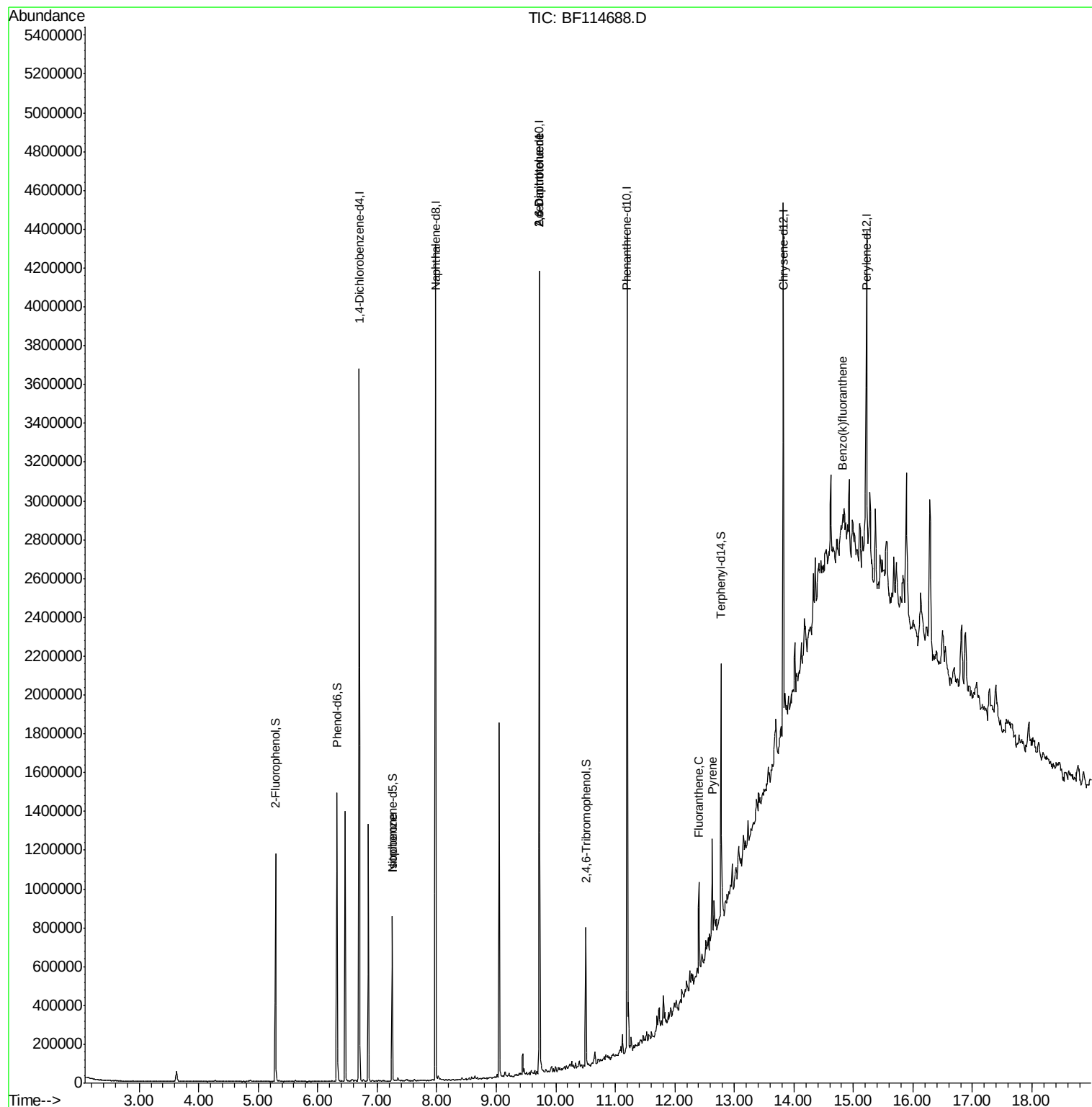
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	503470	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	1809595	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	825798	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	1488468	20.00	ng	0.00
76) Chrysene-d12	13.82	240	881067	20.00	ng	0.00
87) Perylene-d12	15.22	264	760333	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	365487	12.75	ng	0.00
7) Phenol-d6	6.32	99	451621	13.07	ng	0.00
23) Nitrobenzene-d5	7.25	82	226309	7.80	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	86926	11.05	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	518311	-5.19	ng	0.00
79) Terphenyl-d14	12.78	244	474446	10.12	ng	0.00
Target Compounds						
9) Benzaldehyde	6.26	77	585	Below Cal	#	1
25) Isophorone	7.25	82	209558	3.600 ng	#	63
51) 2,6-Dinitrotoluene	9.73	165	109363	8.179 ng	#	31
57) 2,4-Dinitrotoluene	9.73	165	109363	6.373 ng	#	24
58) Fluorene	10.27	166	10294	Below Cal		90
61) 4-Chlorophenyl-phenylether	10.27	204	116	Below Cal	#	1
69) Atrazine	10.92	200	131	Below Cal	#	1
74) Di-n-butylphthalate	11.77	149	2251	Below Cal	#	51
75) Fluoranthene	12.40	202	173732	2.210 ng		95
78) Pyrene	12.63	202	204119	2.739 ng		98
89) Benzo(k)fluoranthene	14.83	252	83842	2.014 ng	#	39

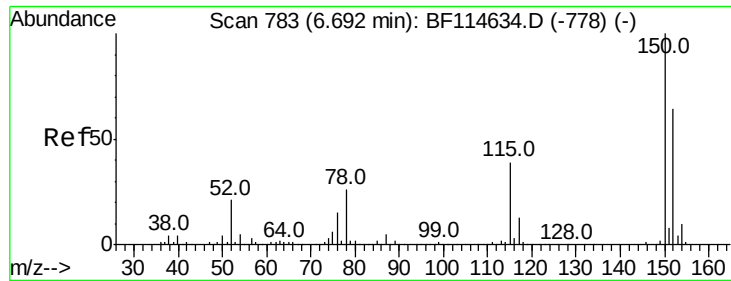
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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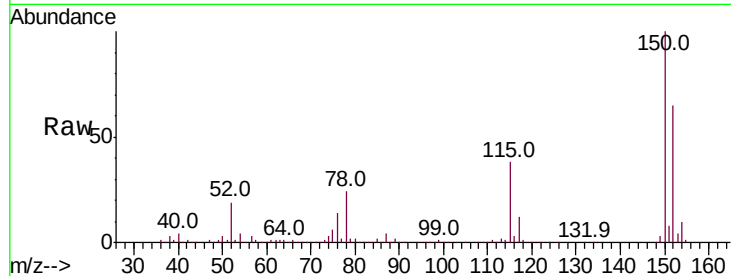


#1

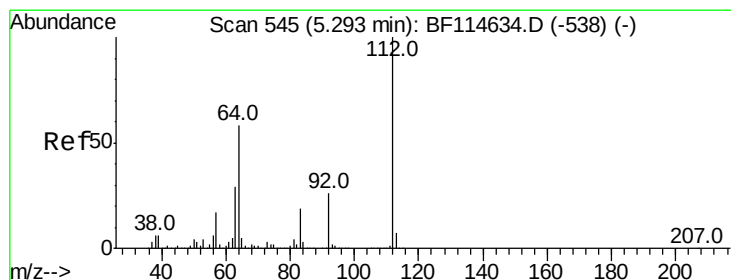
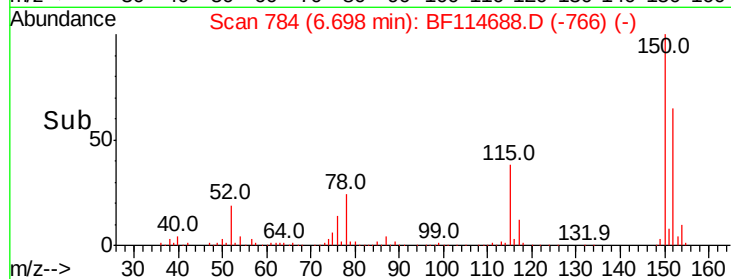
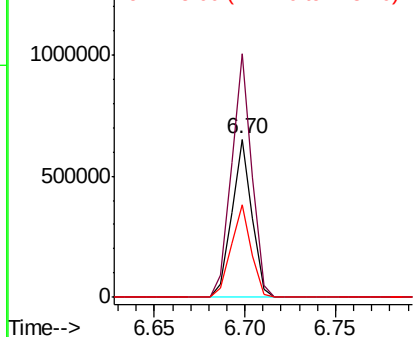
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. 0.01 min
Lab File: BF114688.D
Acq: 31 May 2019 3:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.4	186.6
115	58.4	48.7	73.1



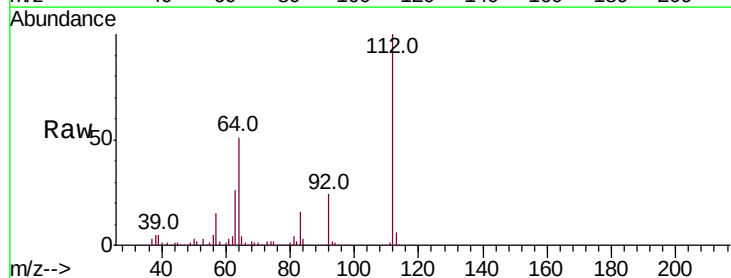
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



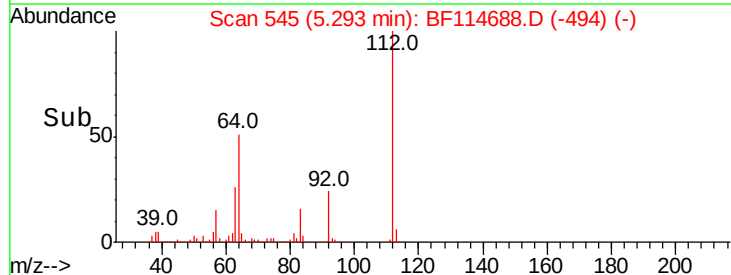
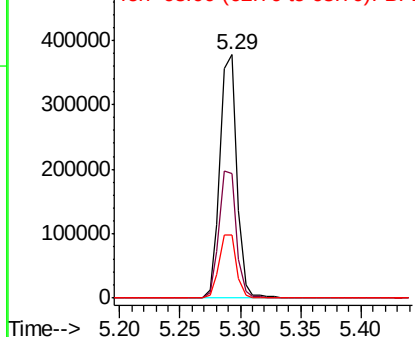
#5

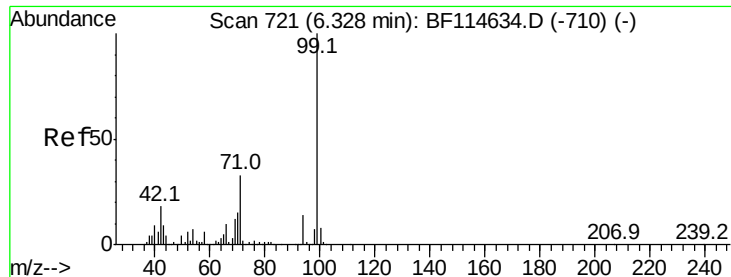
2-Fluorophenol
Concen: 12.745 ng
RT: 5.29 min Scan# 545
Delta R.T. 0.00 min
Lab File: BF114688.D
Acq: 31 May 2019 3:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	46.1	69.1
63	26.1	23.4	35.2



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: 13.069 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

Instrument :

BNA_F

ClientSampleId :

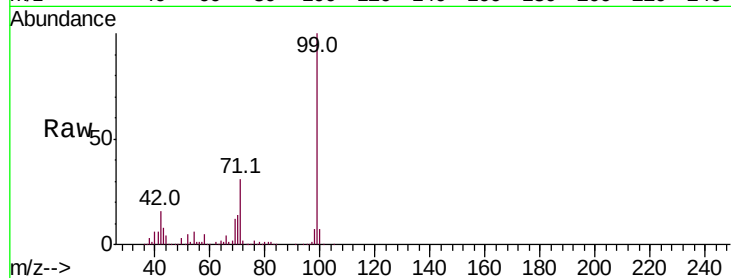
Tot Ion: 99 Resp: 451621

Ion Ratio Lower Upper

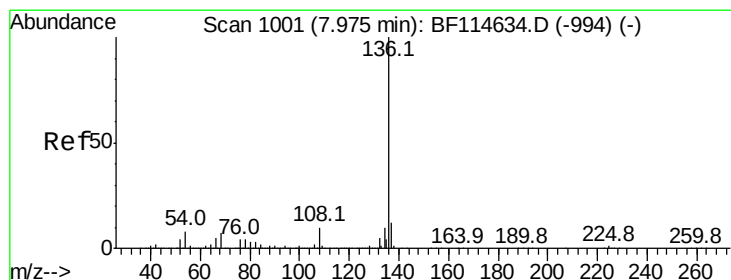
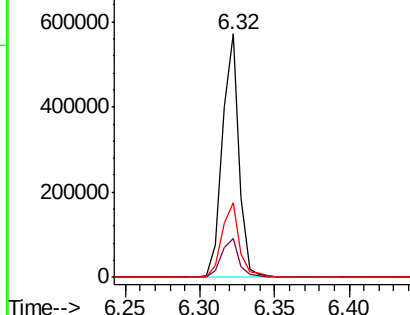
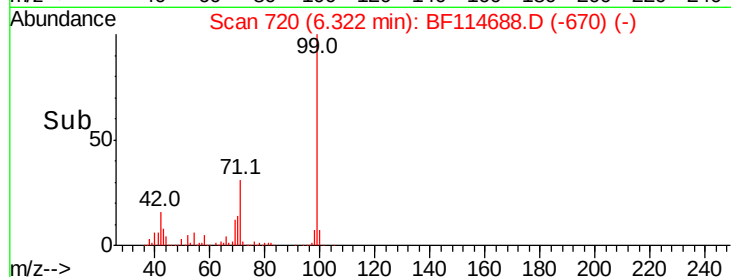
99 100

42 16.1 14.7 22.1

71 30.5 26.6 40.0



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: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

Tgt Ion: 136 Resp: 1809595

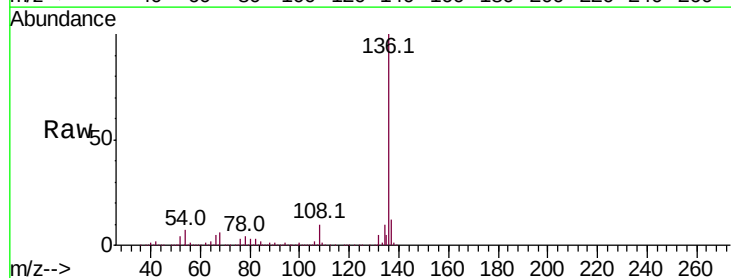
Ion Ratio Lower Upper

136 100

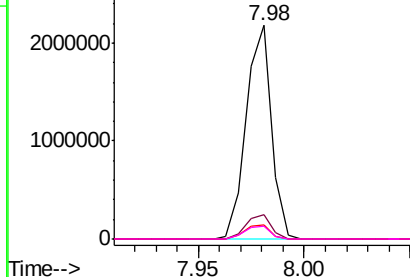
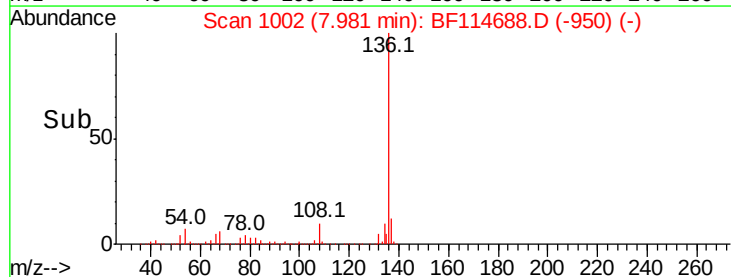
137 11.5 9.3 13.9

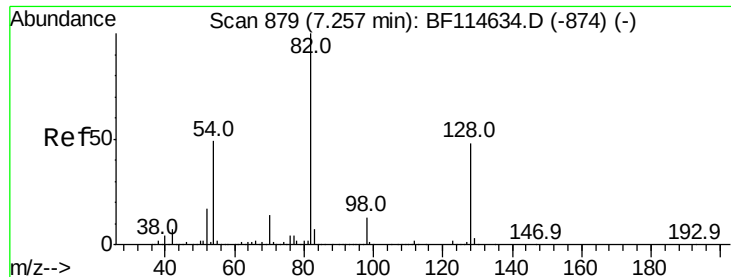
54 6.7 6.3 9.5

68 5.7 5.4 8.0



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: 7.802 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

Instrument :

BNA_F

ClientSampleId :

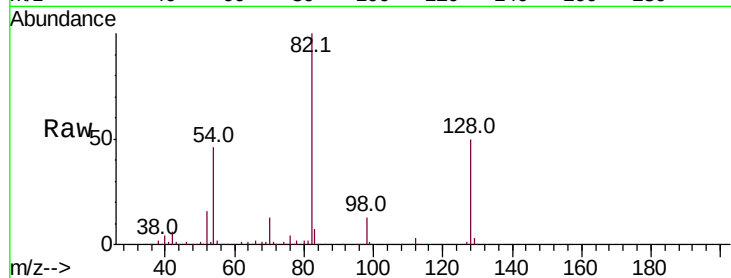
Tot Ion: 82 Resp: 226309

Ion Ratio Lower Upper

82 100

128 49.6 38.5 57.7

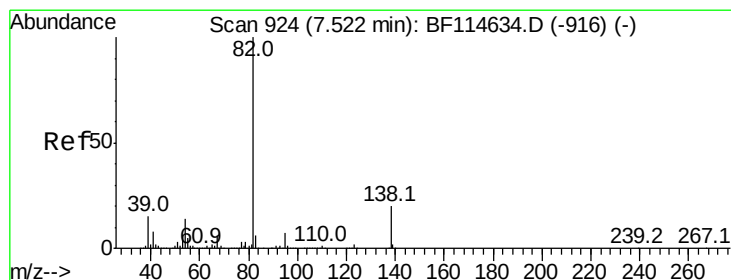
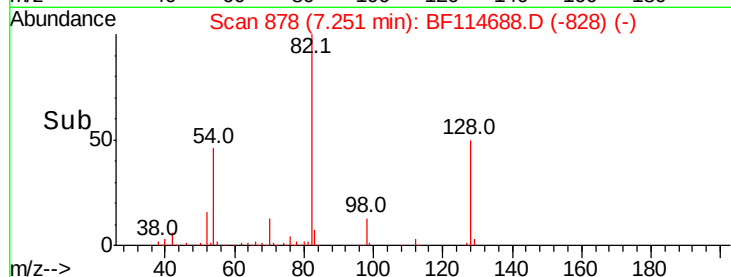
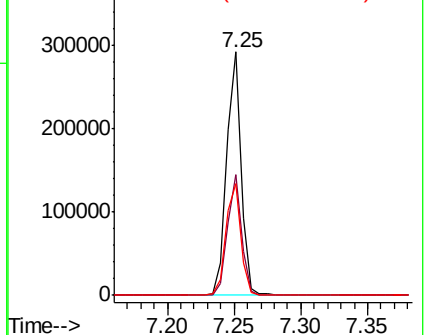
54 45.8 39.1 58.7



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



#25

Isophorone

Concen: 3.600 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

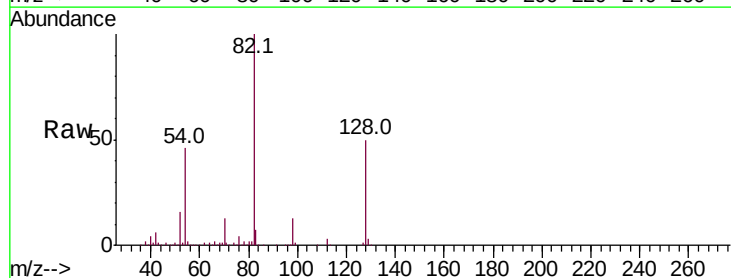
Tgt Ion: 82 Resp: 209558

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

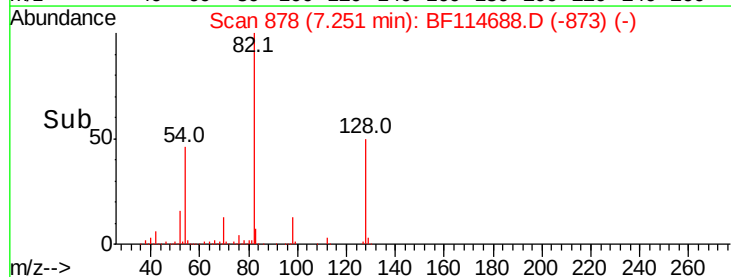
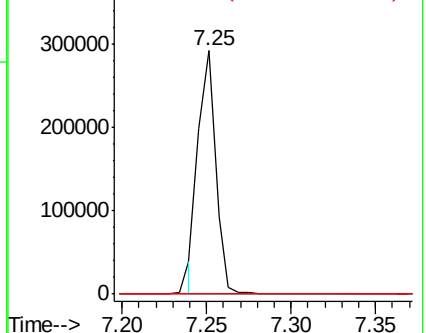
138 0.0 15.9 23.9#

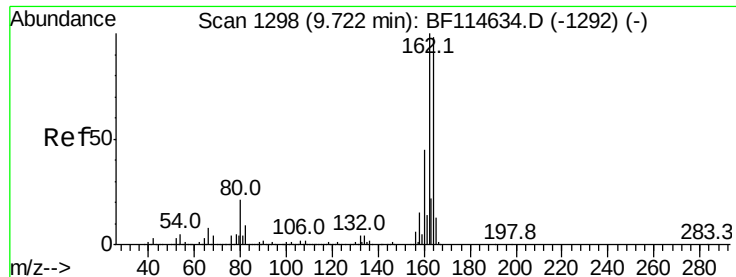


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

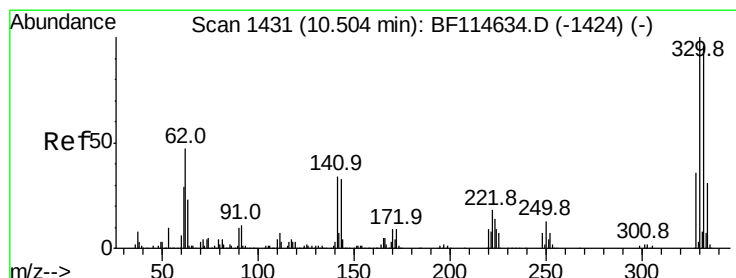
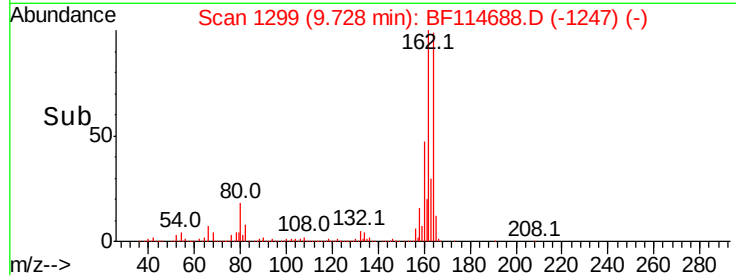
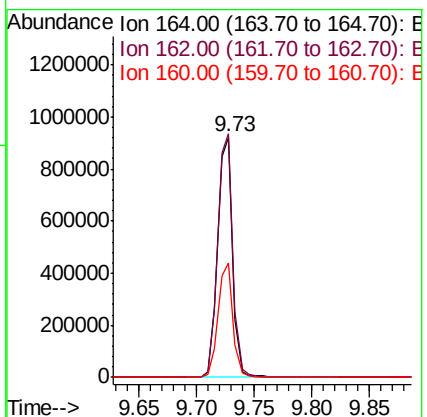
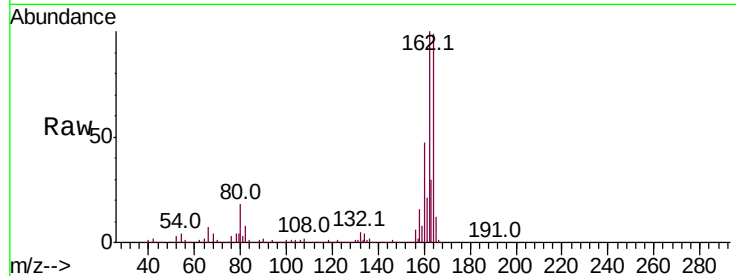




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF114688.D
Acq: 31 May 2019 3:51

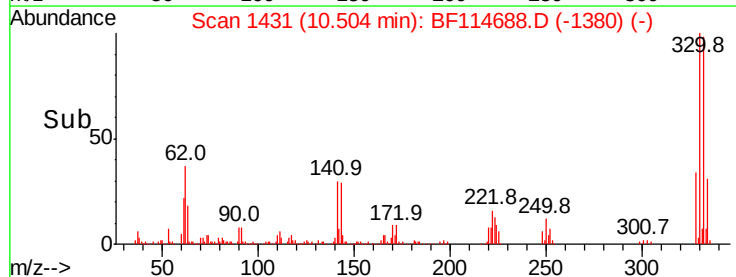
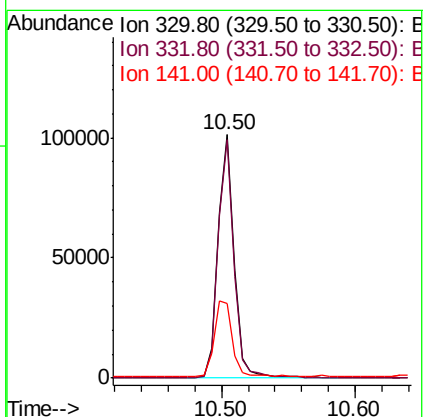
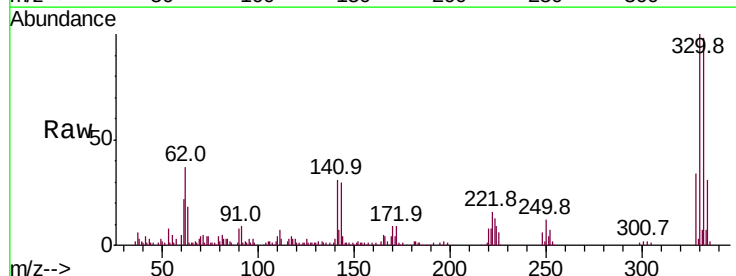
Instrument :
BNA_F
ClientSampleId :

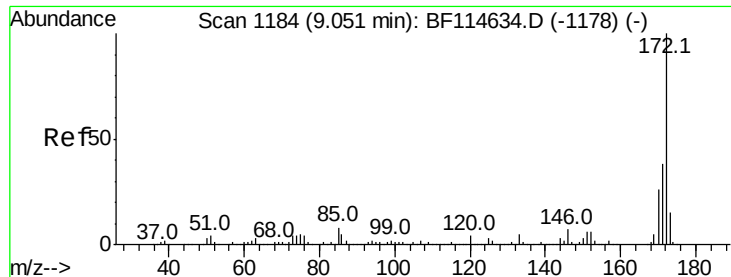
Tot Ion:164 Resp: 825798
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.2
160 47.4 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 11.047 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF114688.D
Acq: 31 May 2019 3:51

Tgt Ion:330 Resp: 86926
Ion Ratio Lower Upper
330 100
332 96.8 75.8 113.8
141 34.6 27.8 41.8

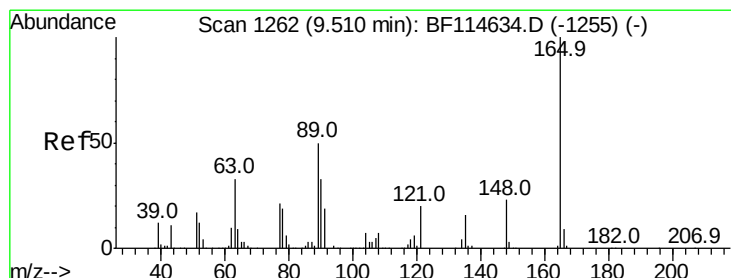
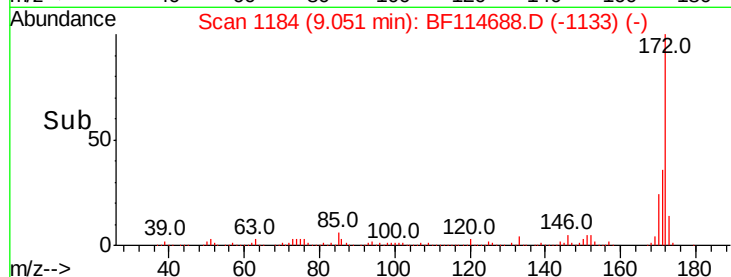
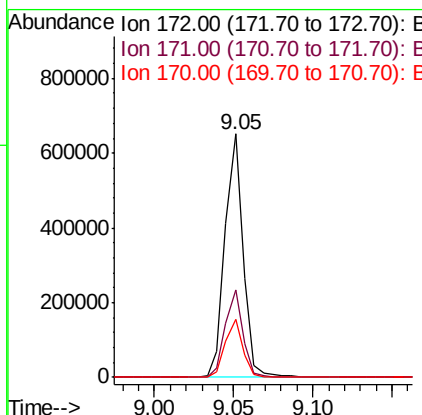
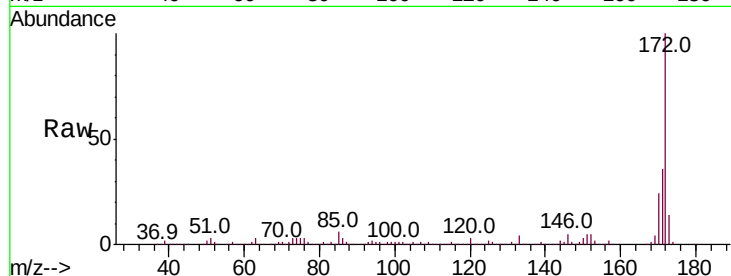




#45
 2-Fluorobiphenyl
 Concen: -5.188 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114688.D
 Acq: 31 May 2019 3:51

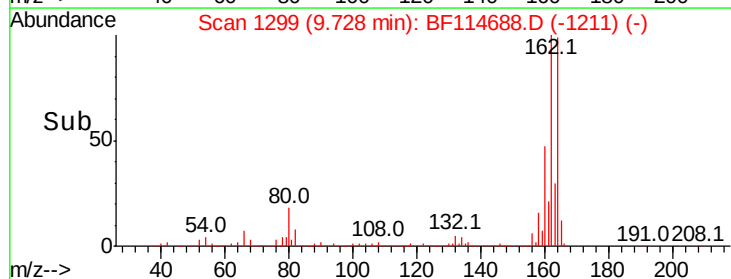
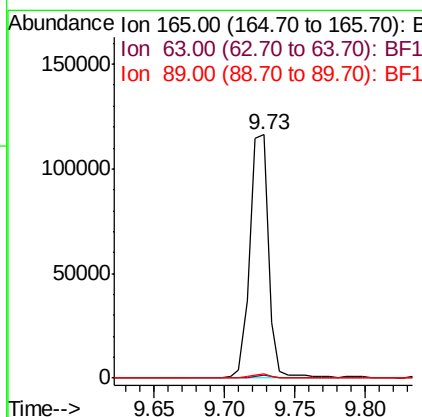
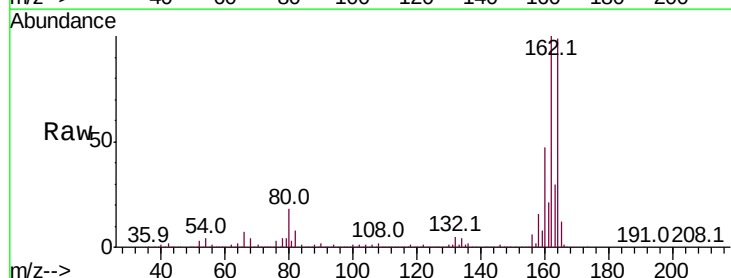
Instrument :
 BNA_F
 ClientSampleId :

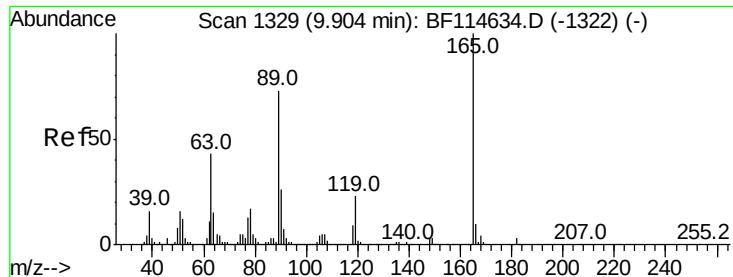
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.6	45.8
170	23.7	20.7	31.1



#51
 2,6-Dinitrotoluene
 Concen: 8.179 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.22 min
 Lab File: BF114688.D
 Acq: 31 May 2019 3:51

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.6	54.8#
89	1.6	40.2	60.4#

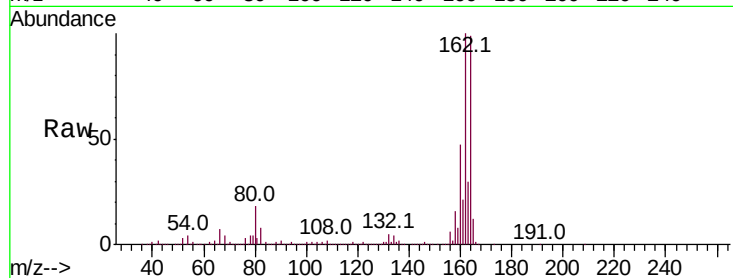




#57
 2,4-Dinitrotoluene
 Concen: 6.373 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.18 min
 Lab File: BF114688.D
 Acq: 31 May 2019 3:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.8	52.2#
89	1.6	58.5	87.7#
182	0.0	2.2	3.2#

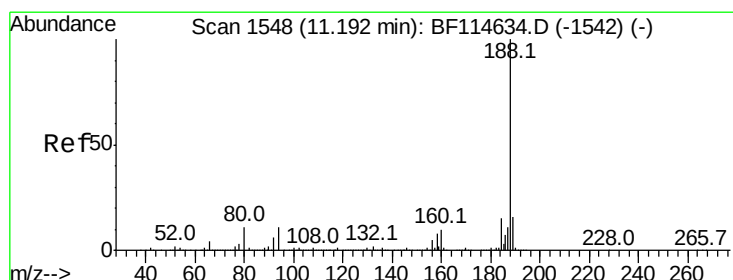
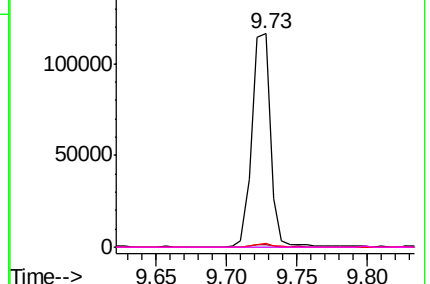
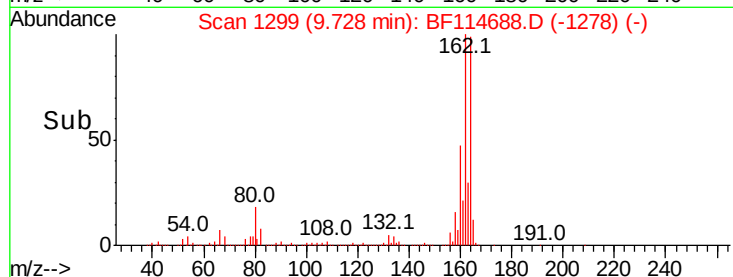


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

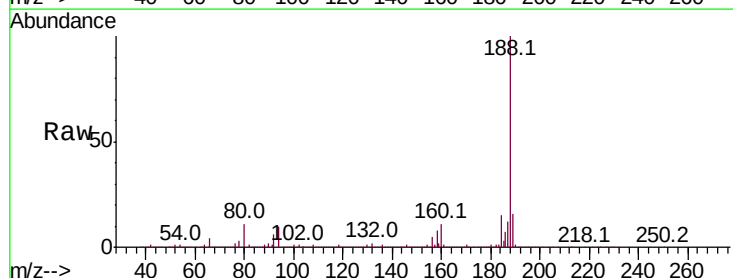
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. 0.01 min
 Lab File: BF114688.D
 Acq: 31 May 2019 3:51

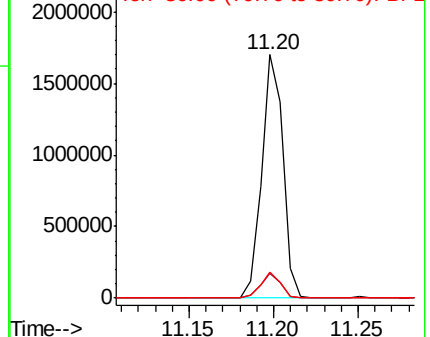
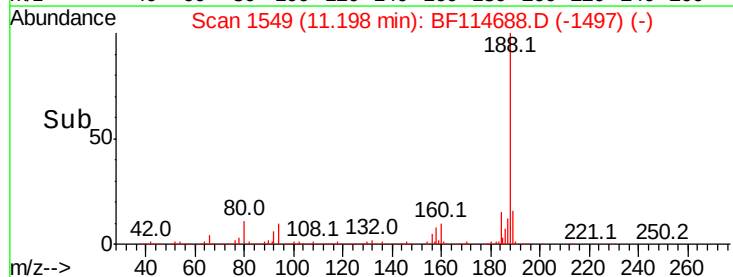
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	10.9	9.0	13.6

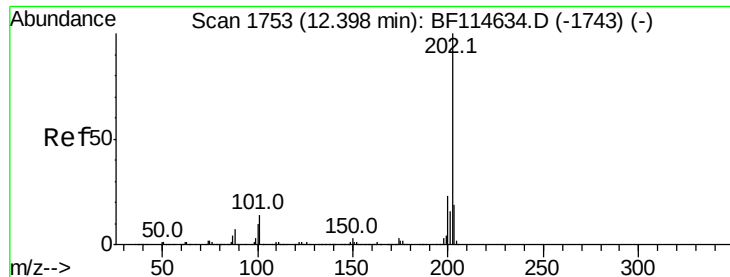


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.210 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

Instrument :

BNA_F

ClientSampleId :

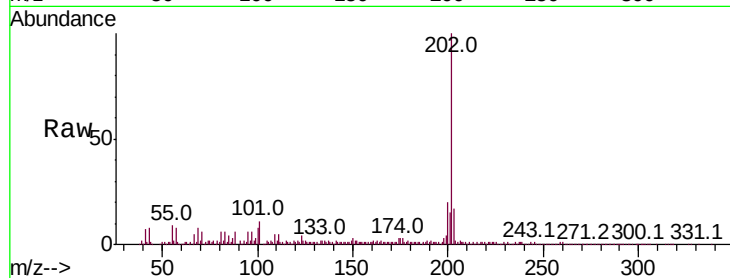
Tot Ion:202 Resp: 173732

Ion Ratio Lower Upper

202 100

101 11.2 0.0 33.9

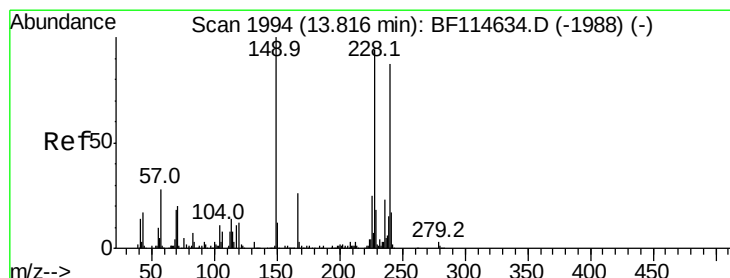
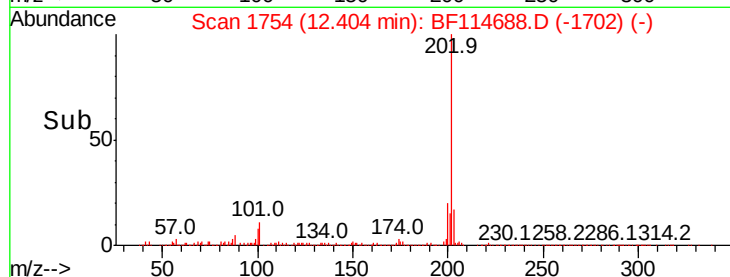
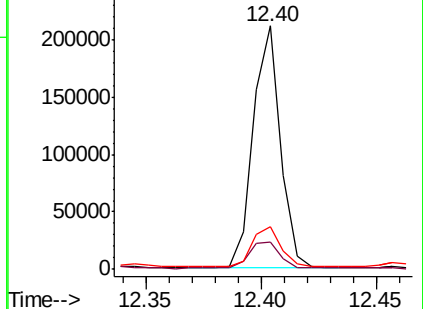
203 17.5 0.0 39.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1995

Delta R.T. 0.01 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

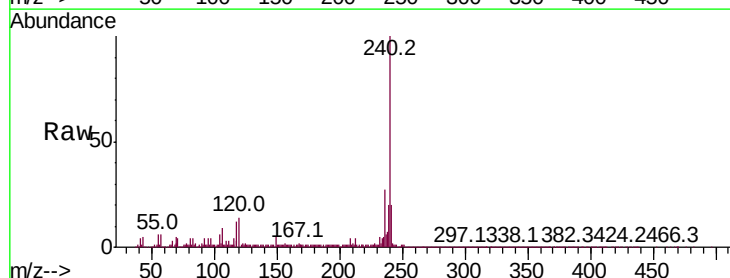
Tgt Ion:240 Resp: 881067

Ion Ratio Lower Upper

240 100

120 13.6 11.2 16.8

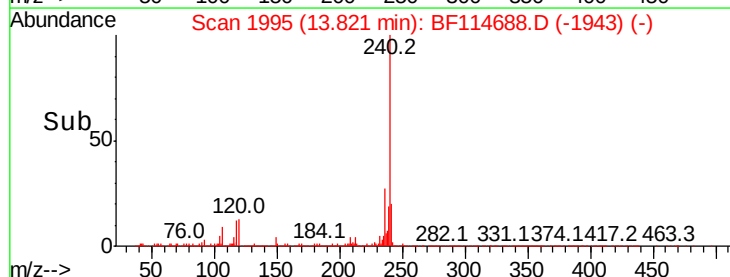
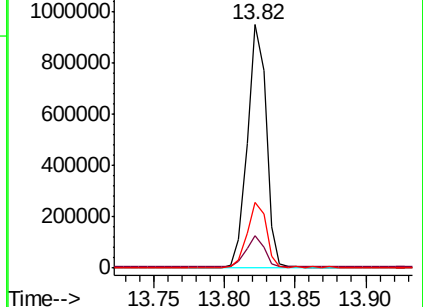
236 26.9 21.2 31.8

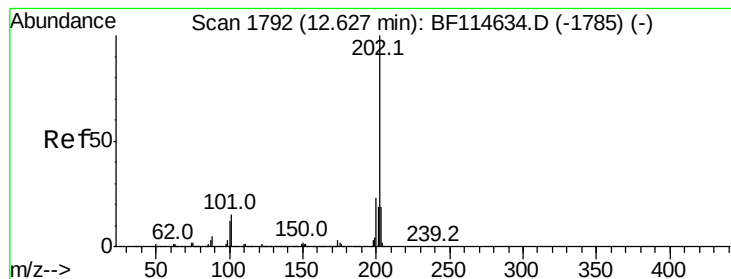


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.739 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

Instrument :

BNA_F

ClientSampleId :

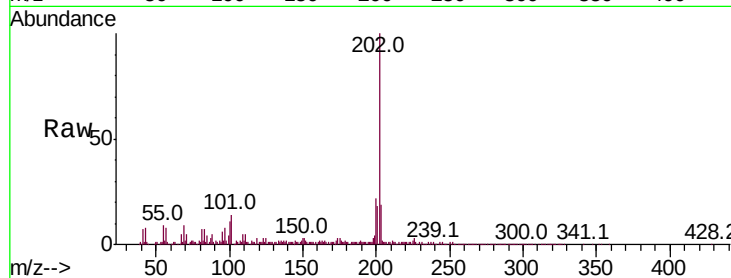
Tot Ion:202 Resp: 204119

Ion Ratio Lower Upper

202 100

200 22.2 18.6 28.0

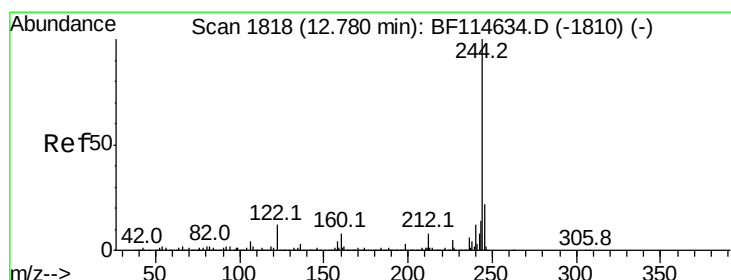
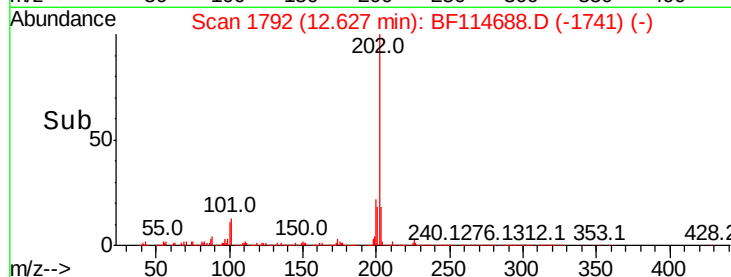
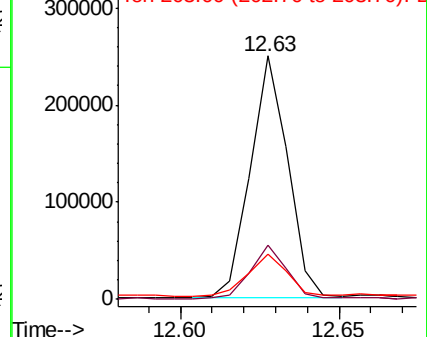
203 18.8 15.4 23.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 10.124 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

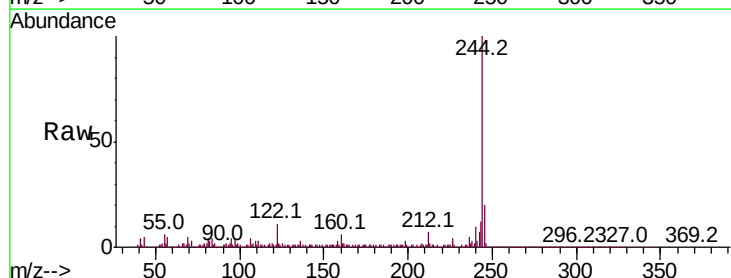
Tgt Ion:244 Resp: 474446

Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

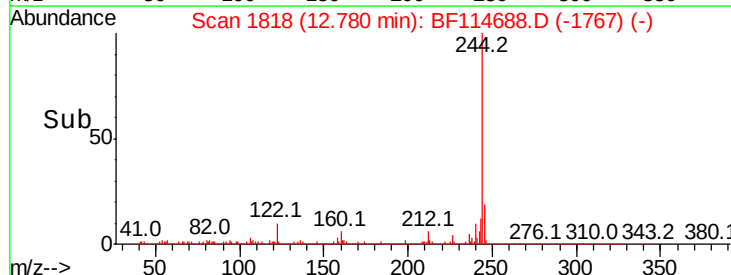
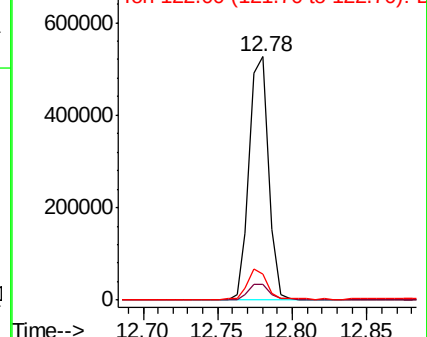
122 10.6 9.8 14.8

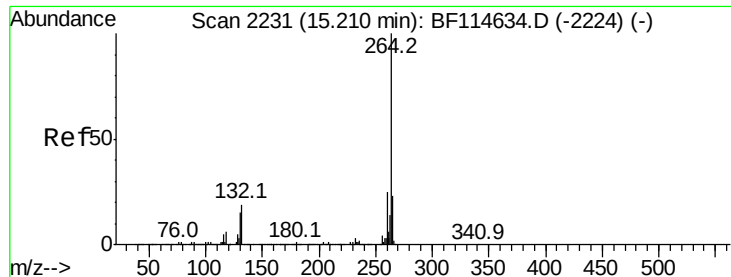


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

Instrument :

BNA_F

ClientSampleId :

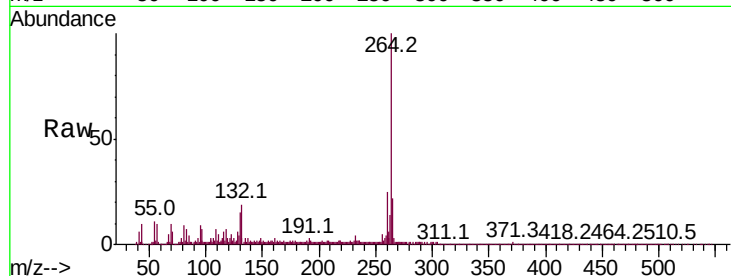
Tot Ion:264 Resp: 760333

Ion Ratio Lower Upper

264 100

260 24.9 19.7 29.5

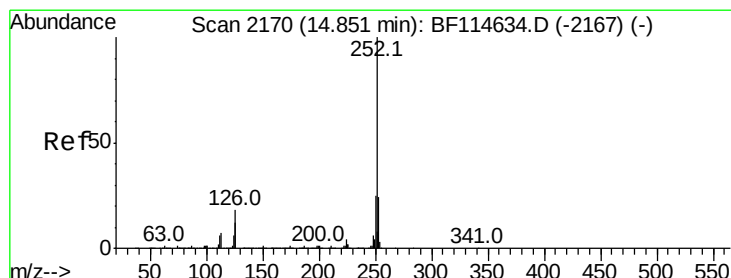
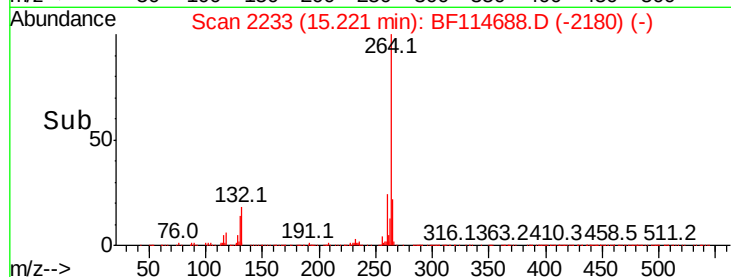
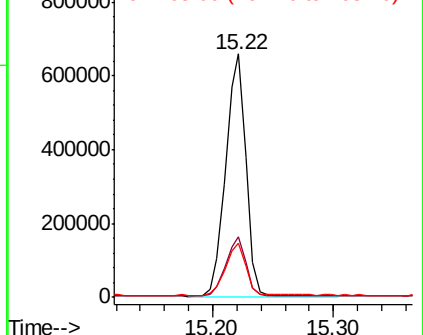
265 22.4 18.1 27.1



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



#89

Benzo(k)fluoranthene

Concen: 2.014 ng

RT: 14.83 min Scan# 2166

Delta R.T. -0.02 min

Lab File: BF114688.D

Acq: 31 May 2019 3:51

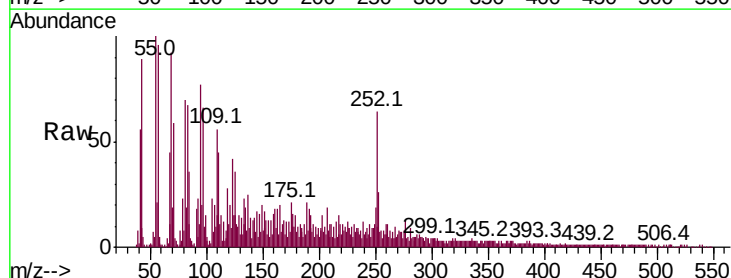
Tgt Ion:252 Resp: 83842

Ion Ratio Lower Upper

252 100

253 40.2 18.9 28.3#

125 56.9 9.5 14.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

