

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114689.D
 Acq On : 31 May 2019 4:17
 Operator : HP/JU
 Sample : K3008-05RX
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:49:23 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	749065	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	2560238	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	1144421	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	2013312	20.00	ng	0.01
76) Chrysene-d12	13.83	240	1194213	20.00	ng	0.01
87) Perylene-d12	15.22	264	1041869	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	2024655	47.46	ng	0.01
7) Phenol-d6	6.34	99	2453797	47.73	ng	0.01
23) Nitrobenzene-d5	7.26	82	1382698	33.69	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	474053	43.47	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	2405485	28.93	ng	0.00
79) Terphenyl-d14	12.79	244	2233303	35.16	ng	0.00

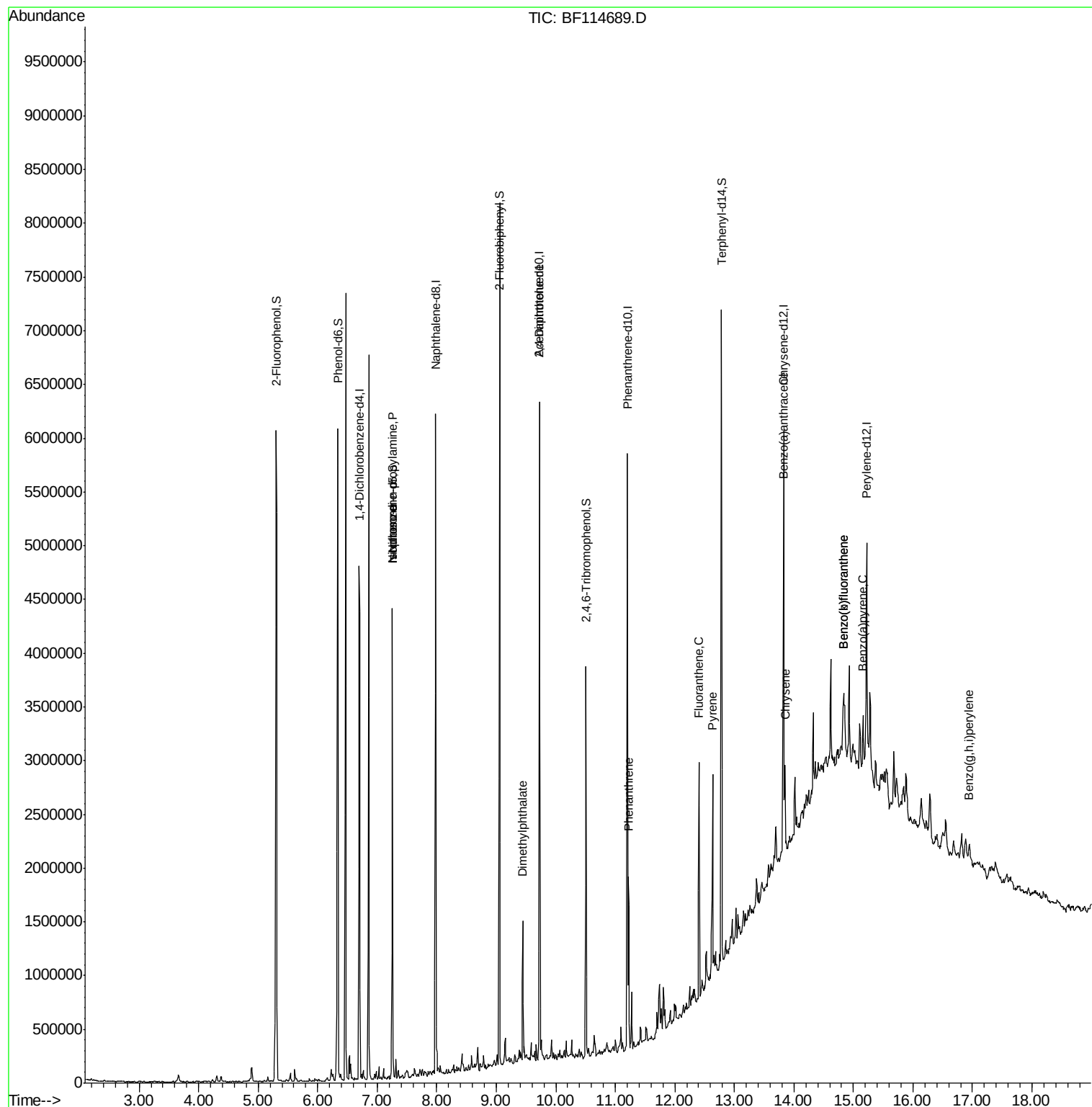
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.23	77	7634	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.26	70	190107	5.357 ng		# 76
25) Isophorone	7.26	82	1349584	16.387 ng		# 63
50) Dimethylphthalate	9.45	163	438520	5.499 ng		99
57) 2,4-Dinitrotoluene	9.73	165	152425	6.409 ng		# 24
58) Fluorene	10.27	166	41867	Below Cal		99
61) 4-Chlorophenyl-phenylether	10.29	204	507	Below Cal		# 1
69) Atrazine	10.92	200	426	Below Cal		# 1
71) Phenanthrene	11.22	178	569846	5.549 ng		96
74) Di-n-butylphthalate	11.77	149	35987	Below Cal		96
75) Fluoranthene	12.40	202	885500	8.327 ng		98
78) Pylene	12.63	202	779166	7.713 ng		97
81) Benzo(a)anthracene	13.82	228	356368	3.883 ng		96
83) Chrysene	13.85	228	305112	3.480 ng		95
88) Benzo(b)fluoranthene	14.83	252	441999	6.736 ng		# 89
89) Benzo(k)fluoranthene	14.83	252	441999	7.749 ng		# 90
90) Benzo(a)pyrene	15.16	252	236449	4.102 ng		# 87
92) Benzo(g,h,i)perylene	16.95	276	138208	2.795 ng		91

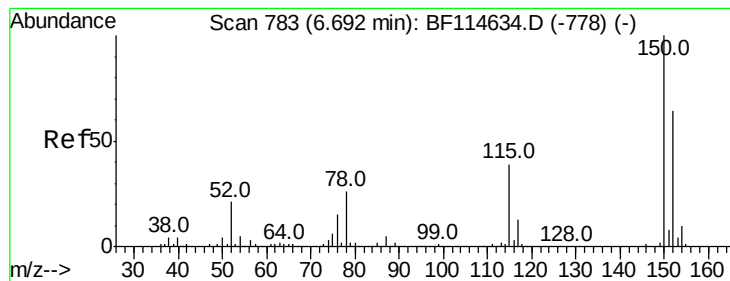
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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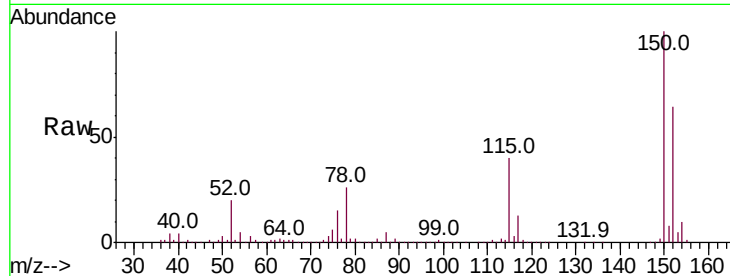


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.4	186.6
115	62.3	48.7	73.1

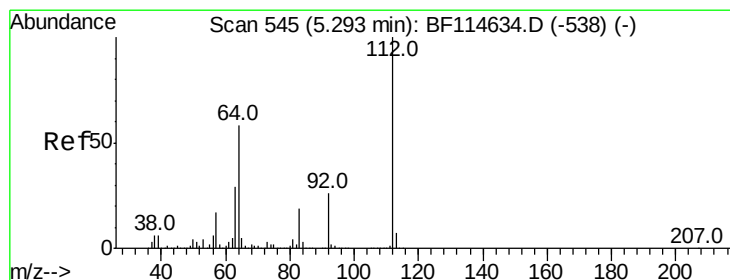
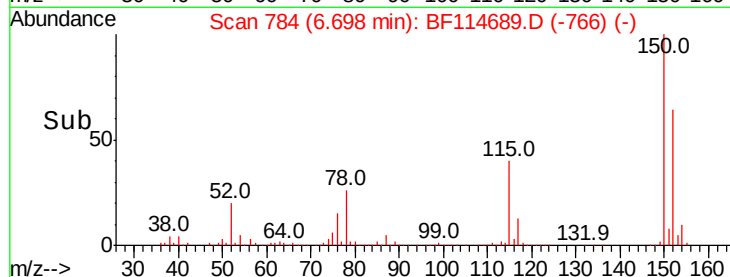
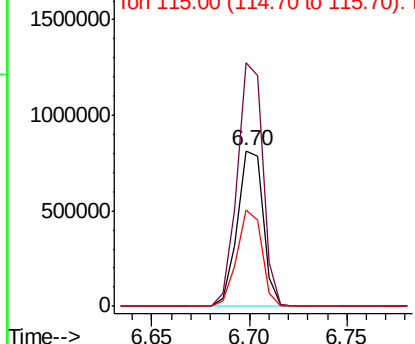


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

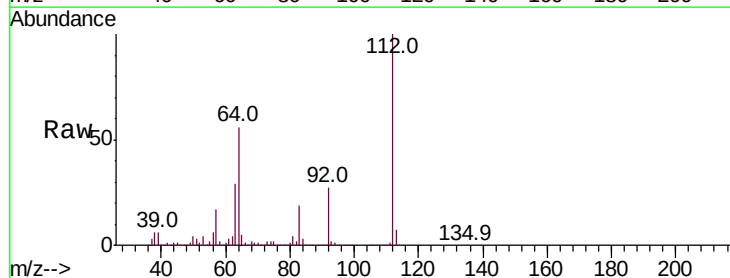
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 47.455 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.1	69.1
63	28.9	23.4	35.2

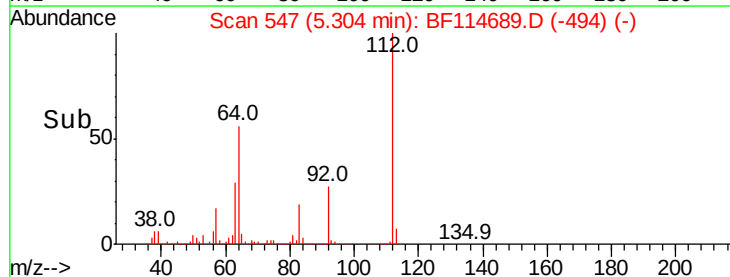
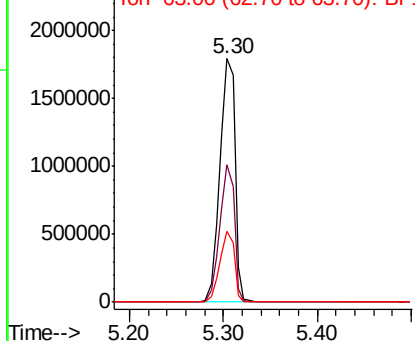


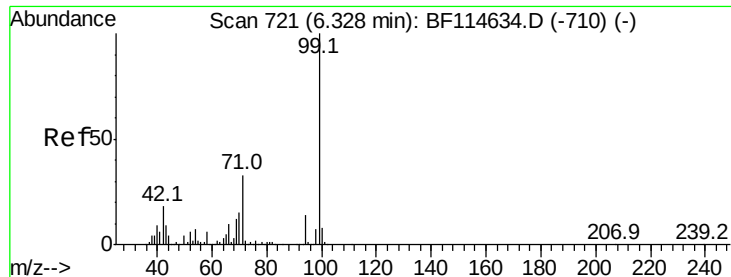
Abundance

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: 47.728 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

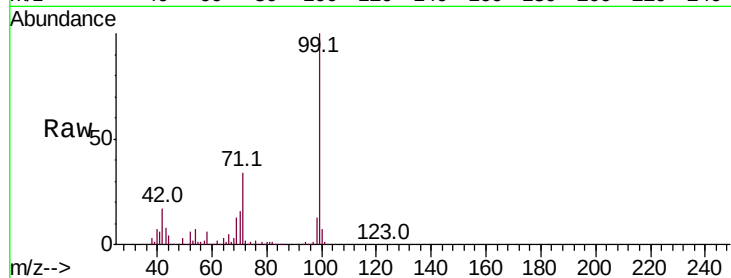
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2453797

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.7	22.1
71	33.8	26.6	40.0

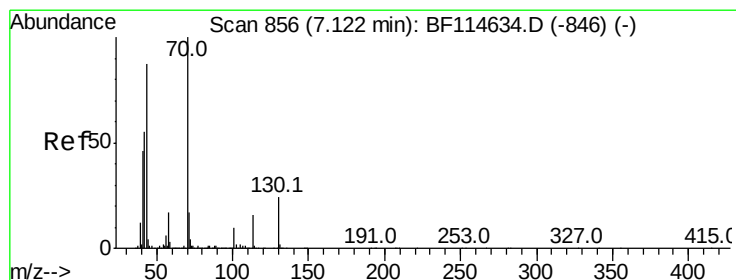
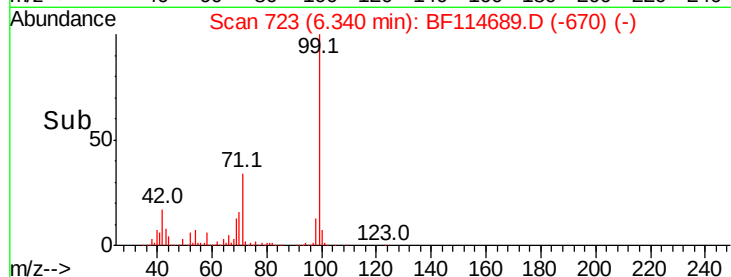
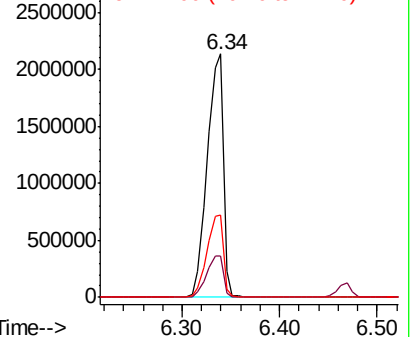


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 5.357 ng

RT: 7.26 min Scan# 879

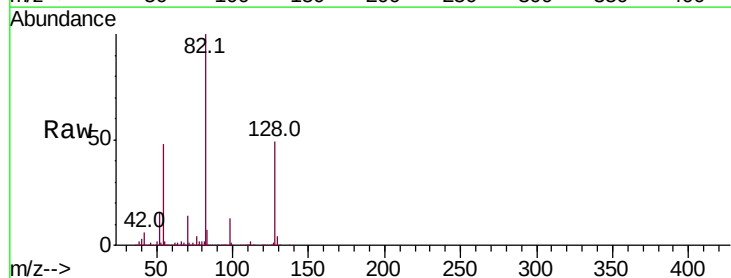
Delta R.T. 0.14 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Tgt Ion: 70 Resp: 190107

Ion	Ratio	Lower	Upper
70	100		
42	45.2	44.4	66.6
101	0.0	8.2	12.4#
130	2.4	19.4	29.0#



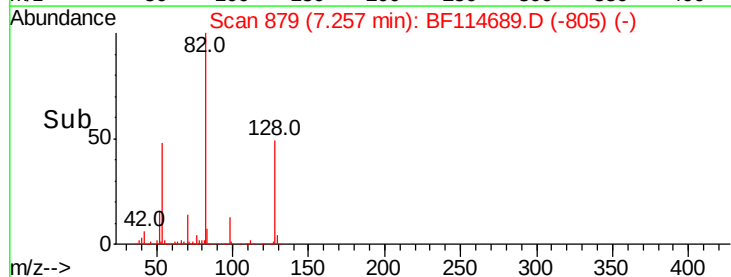
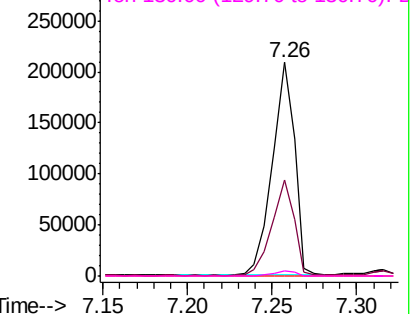
Abundance

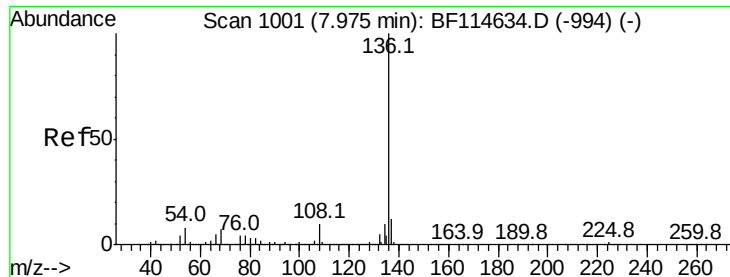
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

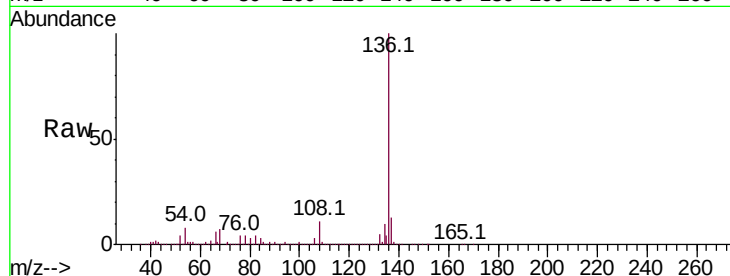




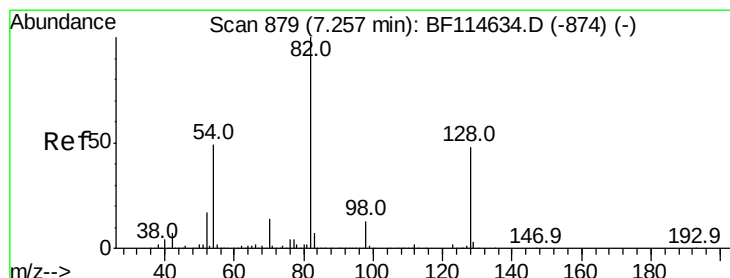
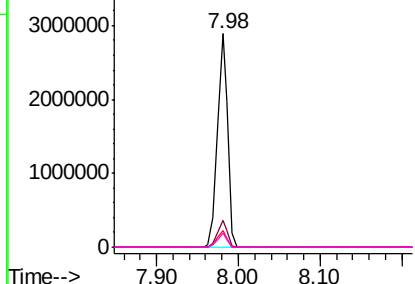
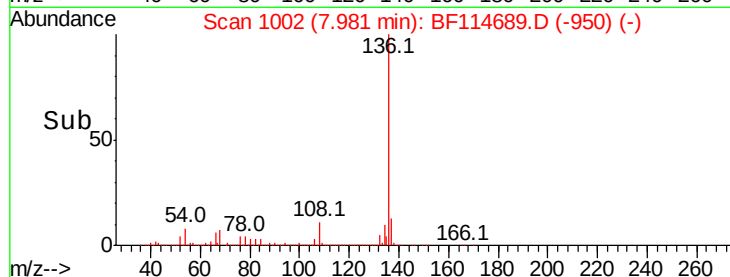
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 2560238
Ion Ratio Lower Upper
136 100
137 12.6 9.3 13.9
54 8.0 6.3 9.5
68 6.6 5.4 8.0

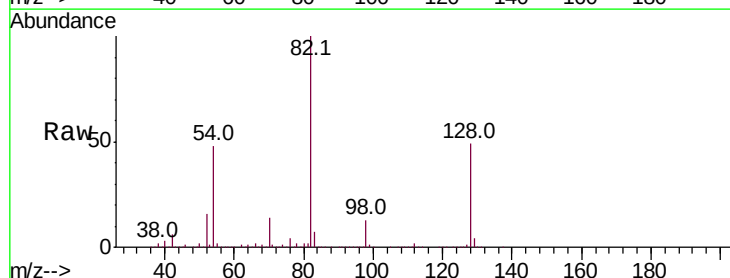


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

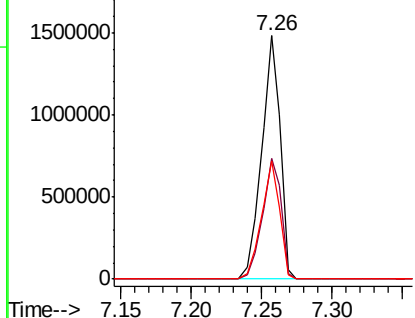
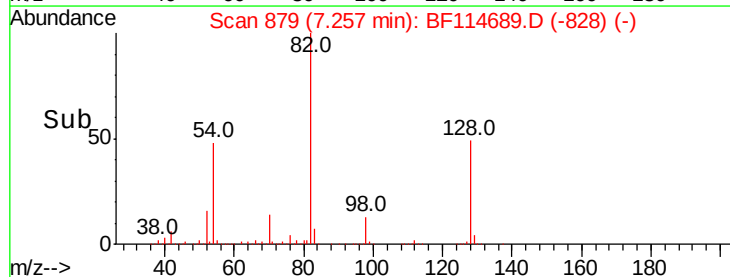


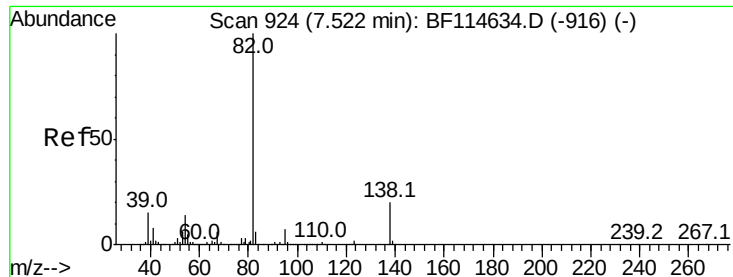
#23
Nitrobenzene-d5
Concen: 33.694 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion: 82 Resp: 1382698
Ion Ratio Lower Upper
82 100
128 49.4 38.5 57.7
54 48.3 39.1 58.7



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





#25

Isophorone

Concen: 16.387 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampled :

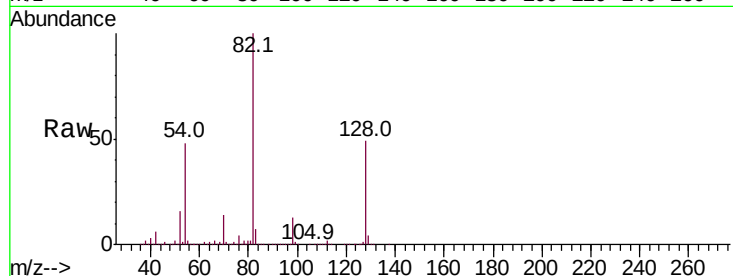
Tot Ion: 82 Resp: 1349584

Ion Ratio Lower Upper

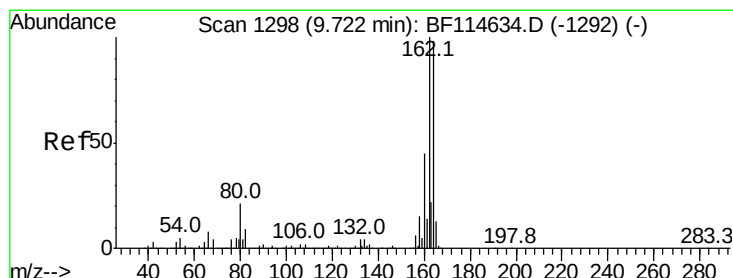
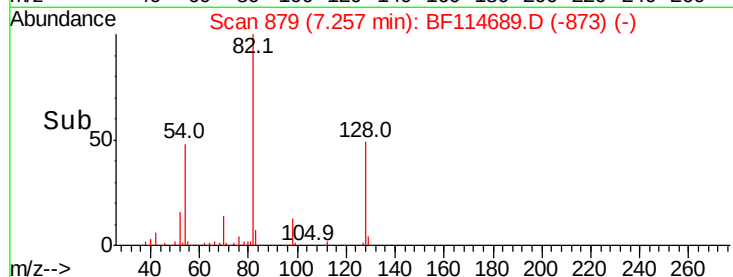
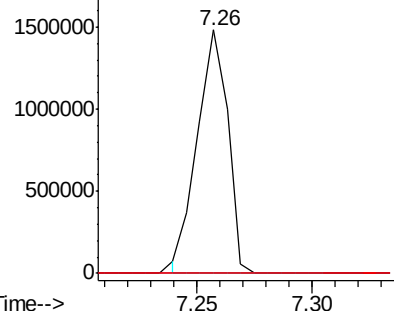
82 100

95 0.1 5.6 8.4#

138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

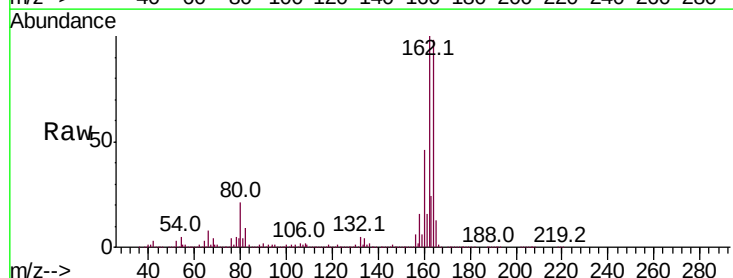
Tgt Ion:164 Resp: 1144421

Ion Ratio Lower Upper

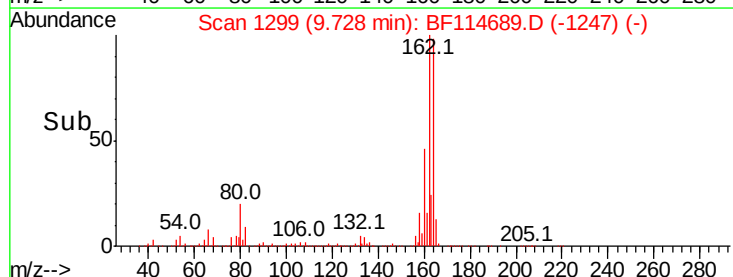
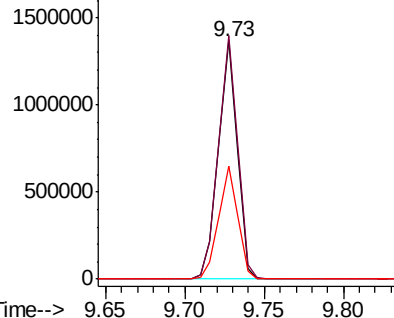
164 100

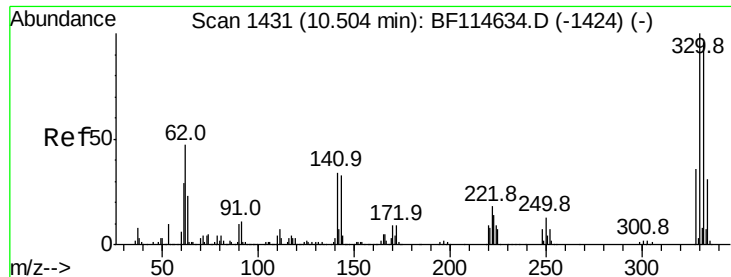
162 102.2 81.4 122.2

160 47.4 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

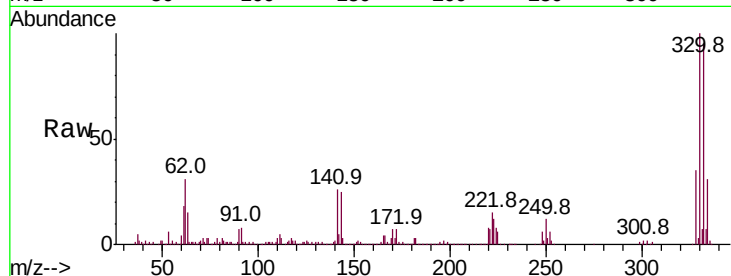




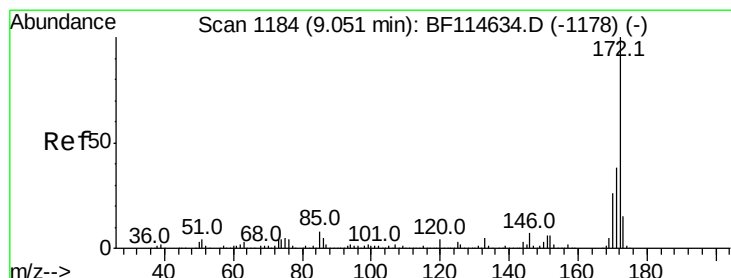
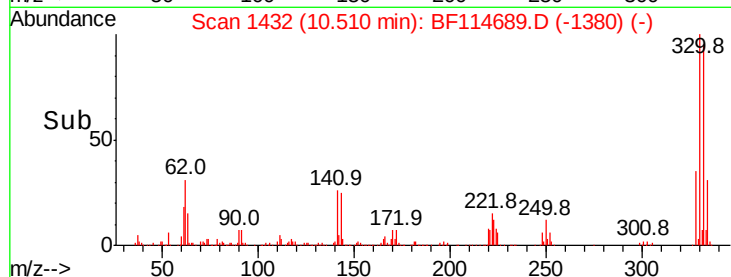
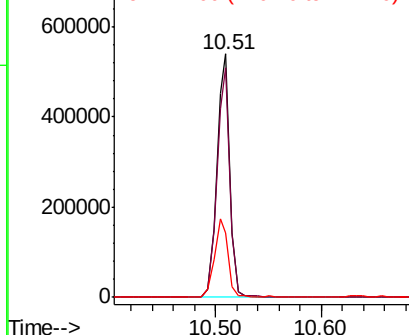
#42
 2,4,6-Tribromophenol
 Concen: 43.473 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 474053
 Ion Ratio Lower Upper
 330 100
 332 94.4 75.8 113.8
 141 32.7 27.8 41.8

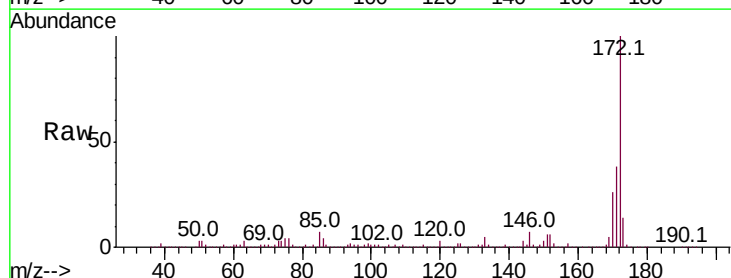


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

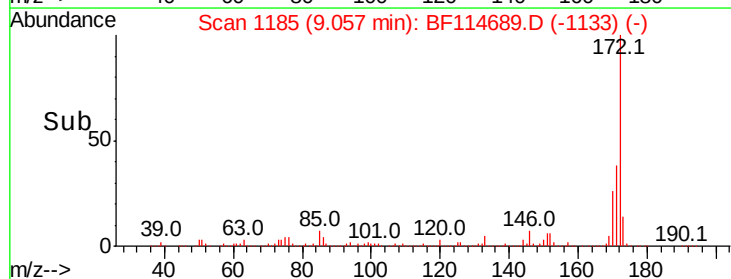
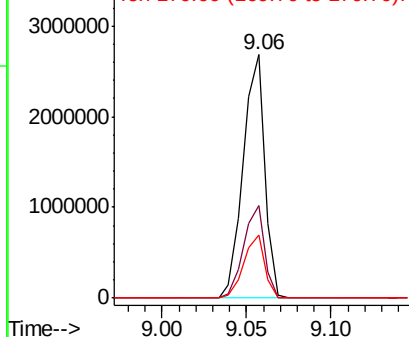


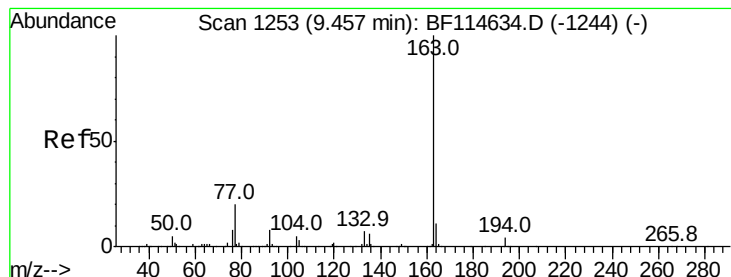
#45
 2-Fluorobiphenyl
 Concen: 28.928 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF114689.D
 Acq: 31 May 2019 4:17

Tgt Ion:172 Resp: 2405485
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.6 45.8
 170 26.1 20.7 31.1



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





#50

Dimethylphthalate

Concen: 5.499 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampleId :

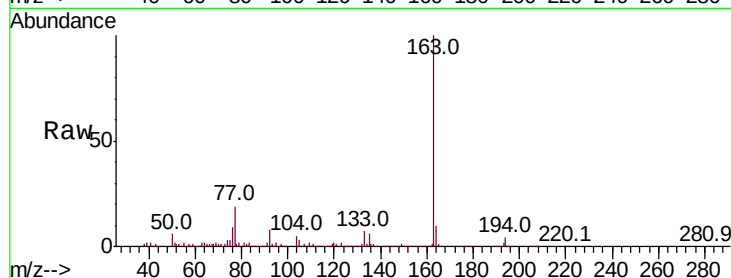
Tot Ion:163 Resp: 438520

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

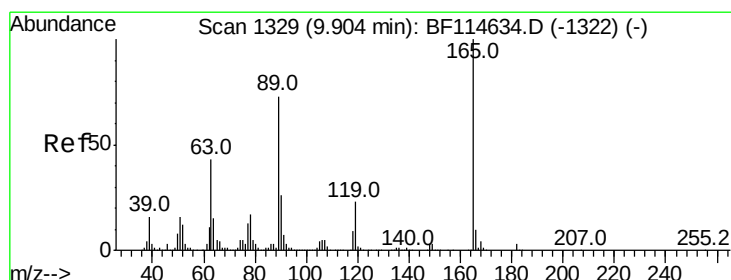
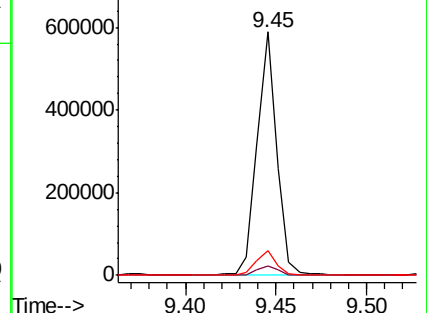
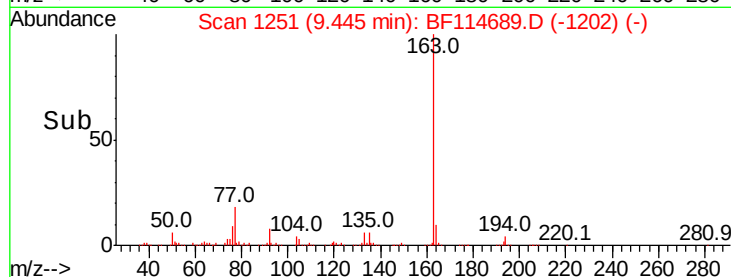
164 10.1 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.409 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.18 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Tgt Ion:165 Resp: 152425

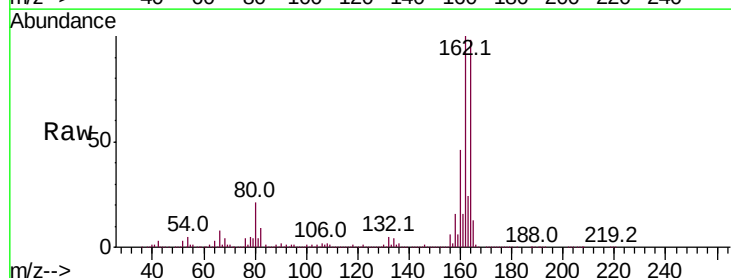
Ion Ratio Lower Upper

165 100

63 1.3 34.8 52.2#

89 1.5 58.5 87.7#

182 0.3 2.2 3.2#

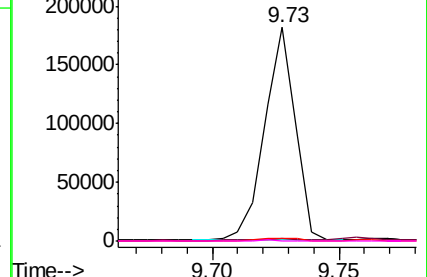
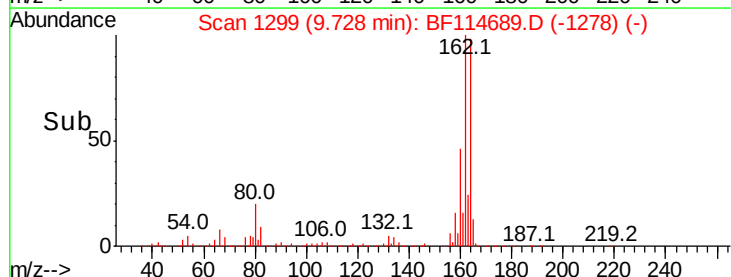


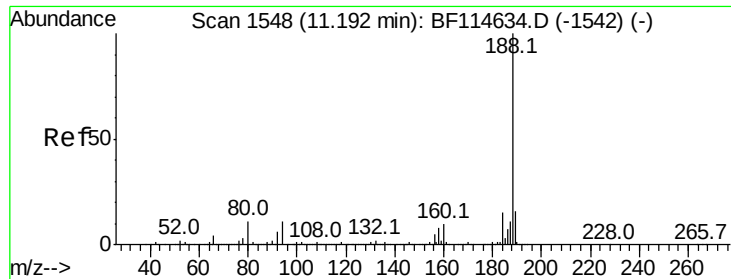
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1550

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampled :

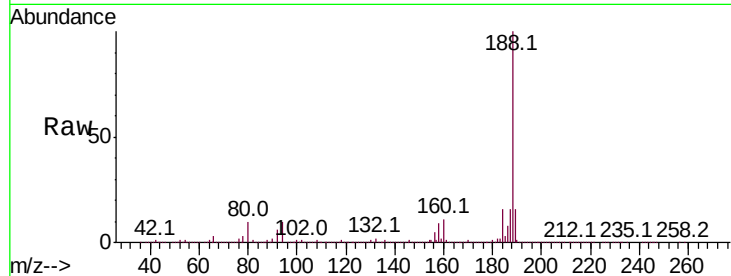
Tot Ion:188 Resp: 2013312

Ion Ratio Lower Upper

188 100

94 9.7 8.6 13.0

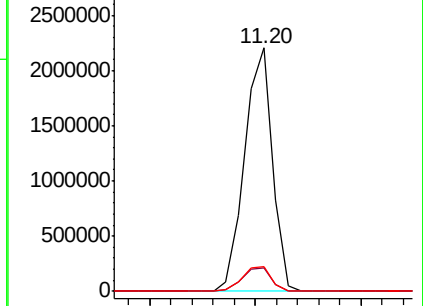
80 10.1 9.0 13.6



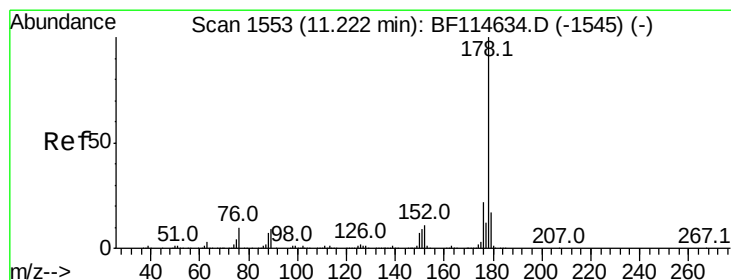
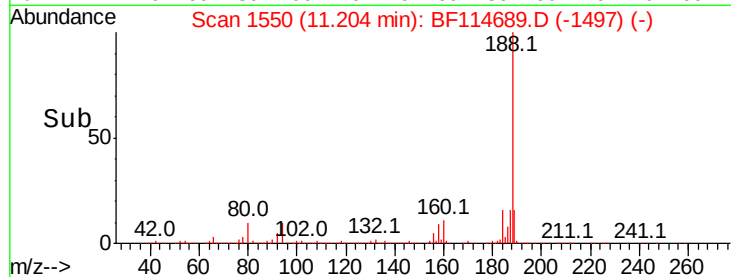
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#71

Phenanthrene

Concen: 5.549 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.00 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

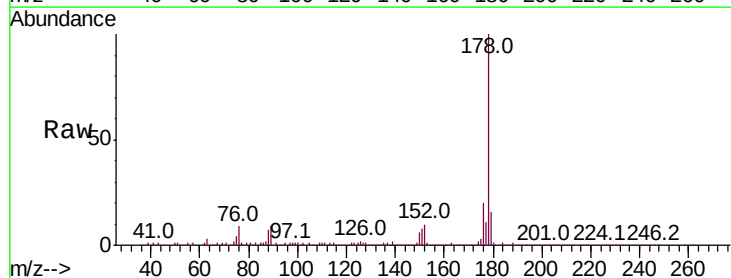
Tgt Ion:178 Resp: 569846

Ion Ratio Lower Upper

178 100

176 19.8 17.2 25.8

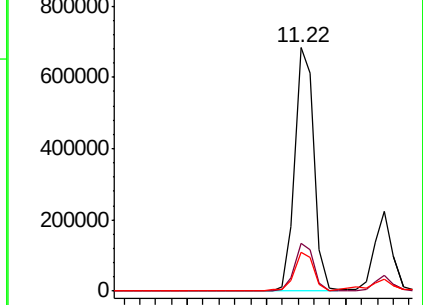
179 15.7 13.9 20.9



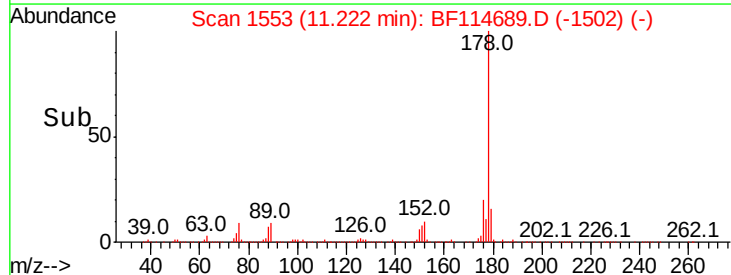
Abundance Ion 178.00 (177.70 to 178.70): E

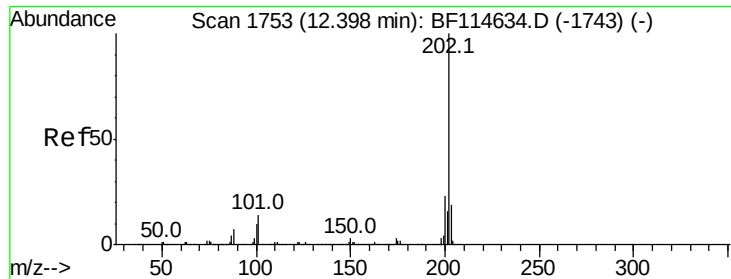
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#75

Fluoranthene

Concen: 8.327 ng

RT: 12.40 min Scan# 1754

Delta R.T. 0.01 min

Lab File: BF114689.D

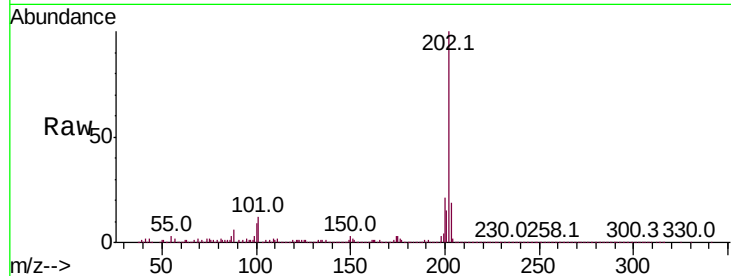
Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampled :

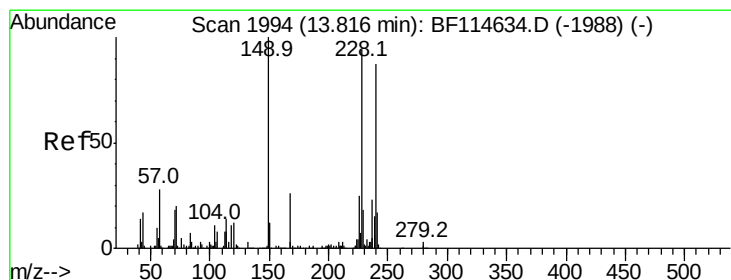
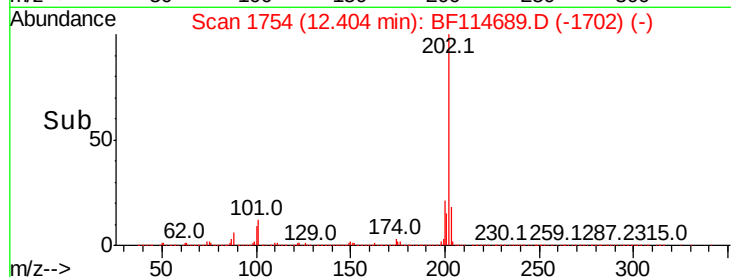
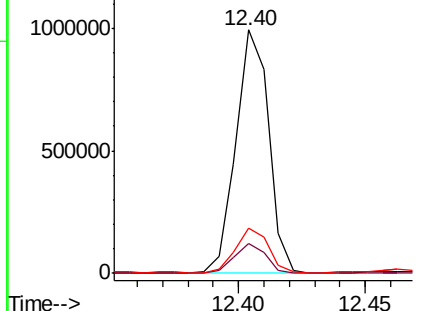
Tot Ion:	202	Resp:	885500
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.9
203	18.6	0.0	39.1



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

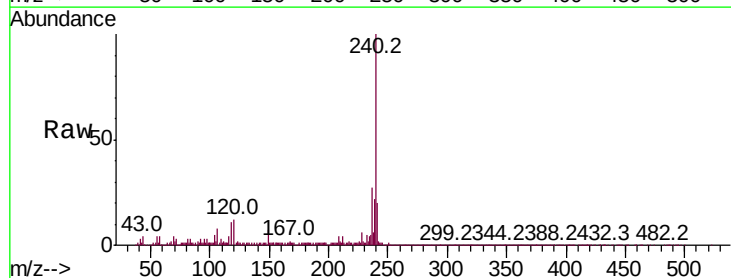
RT: 13.83 min Scan# 1996

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

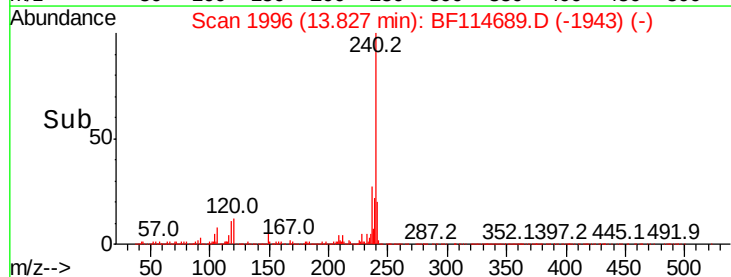
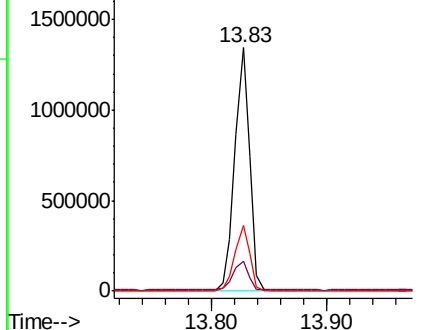
Tgt Ion:	240	Resp:	1194213
Ion	Ratio	Lower	Upper
240	100		
120	12.1	11.2	16.8
236	27.0	21.2	31.8

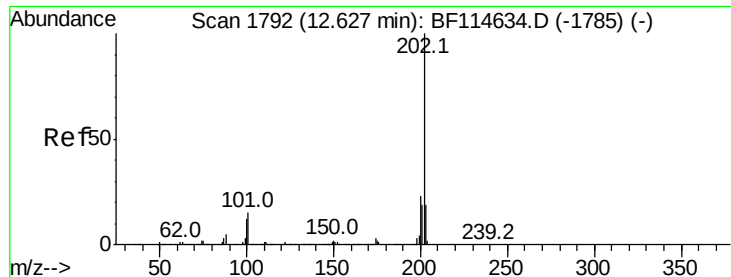


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.713 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampleId :

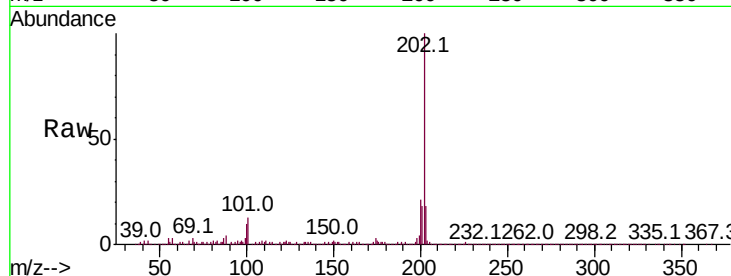
Tot Ion:202 Resp: 779166

Ion Ratio Lower Upper

202 100

200 21.5 18.6 28.0

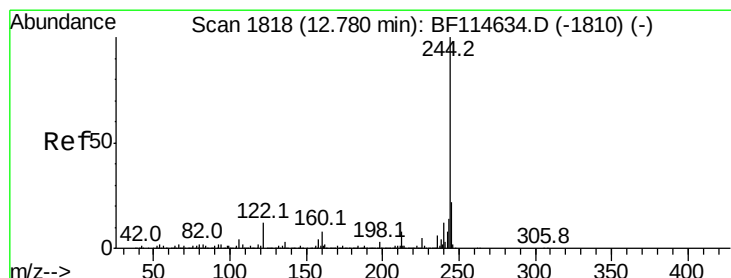
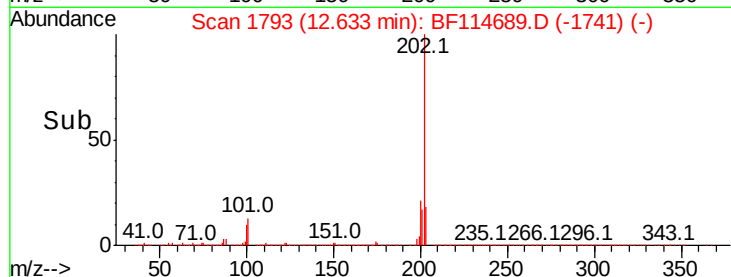
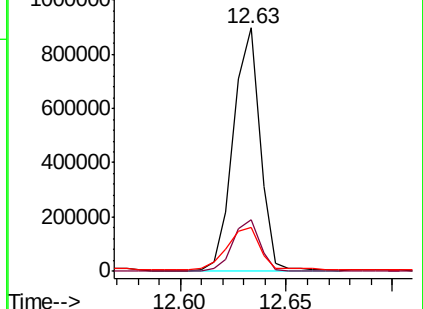
203 18.2 15.4 23.2



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: 35.161 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

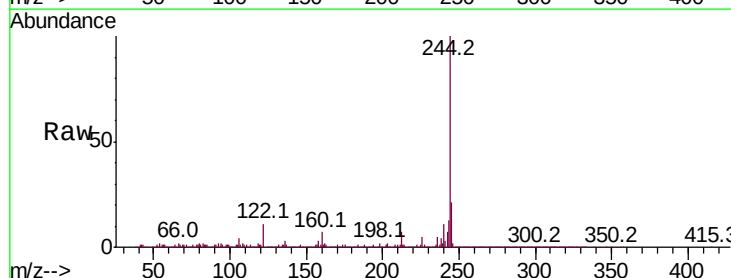
Tgt Ion:244 Resp: 2233303

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

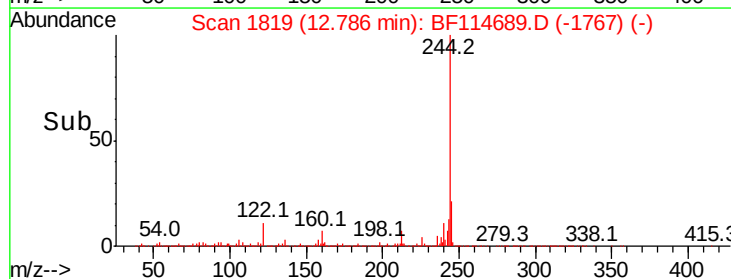
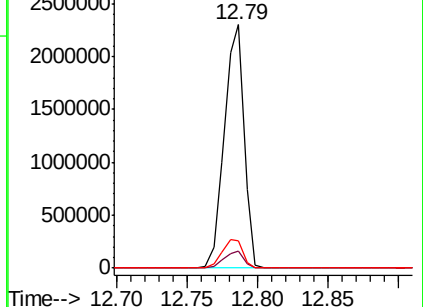
122 11.2 9.8 14.8

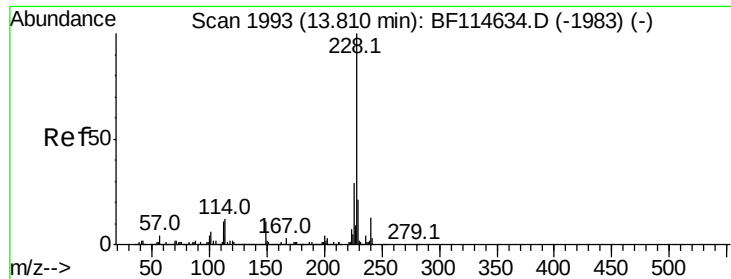


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

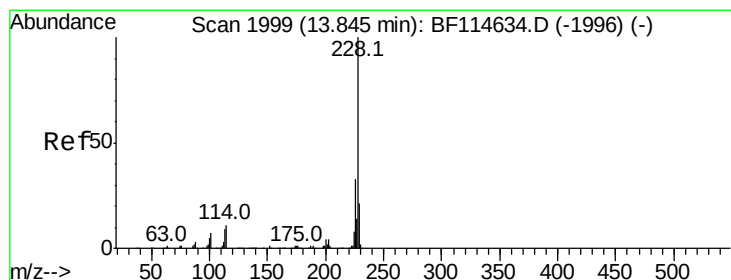
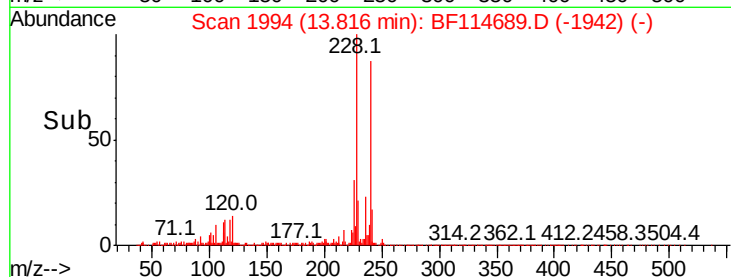
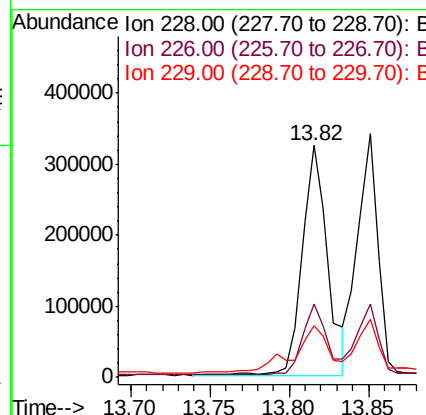
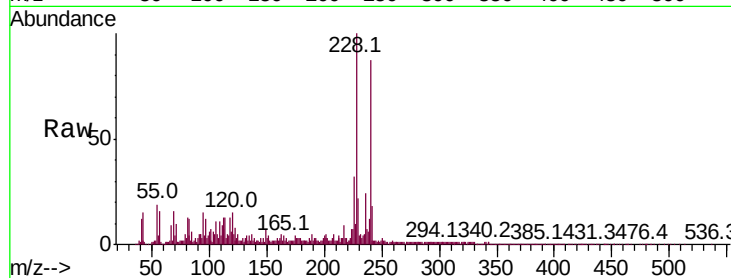




#81
Benzo(a)anthracene
Concen: 3.883 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

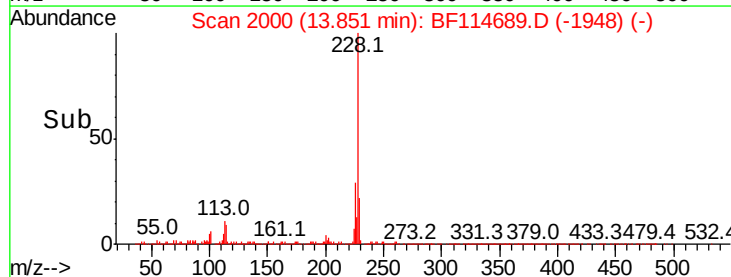
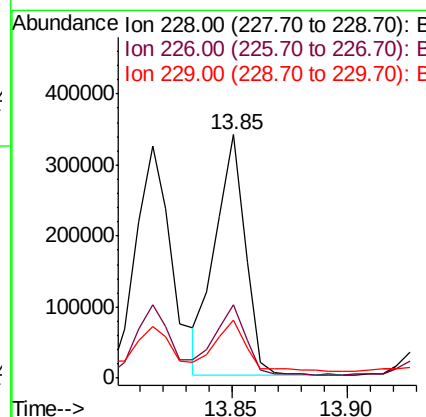
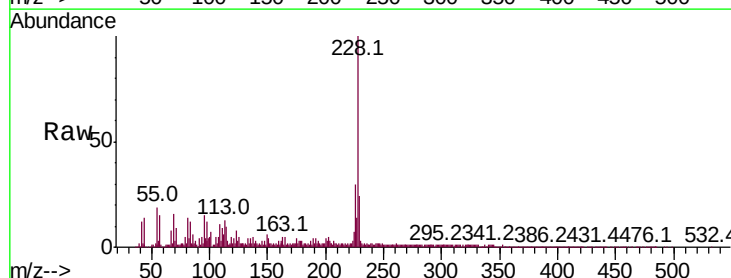
Instrument :
BNA_F
ClientSampleId :

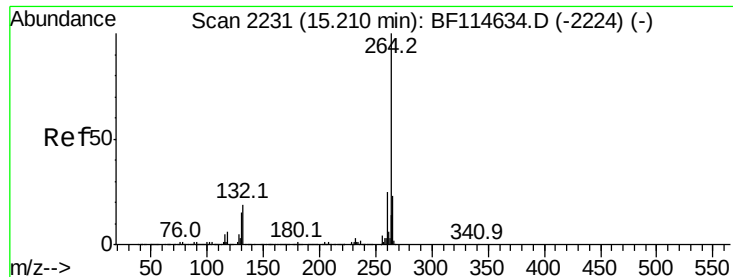
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.0	34.6
229	22.5	17.0	25.4



#83
Chrysene
Concen: 3.480 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	26.4	39.6
229	23.8	17.1	25.7



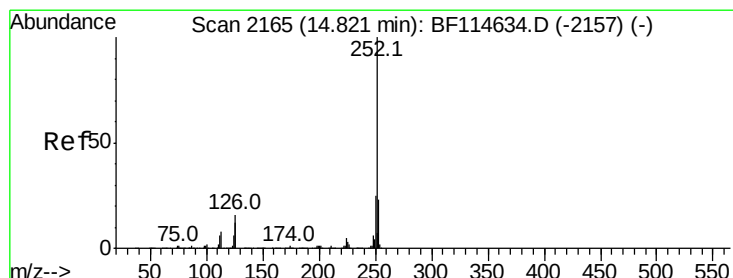
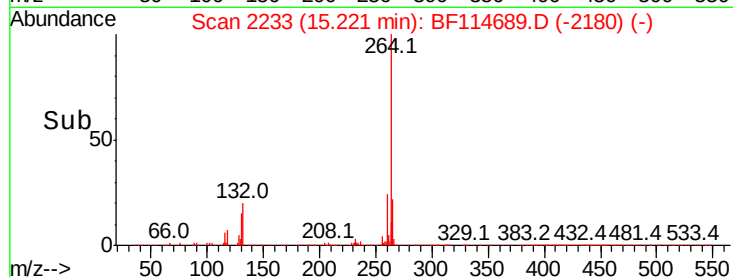
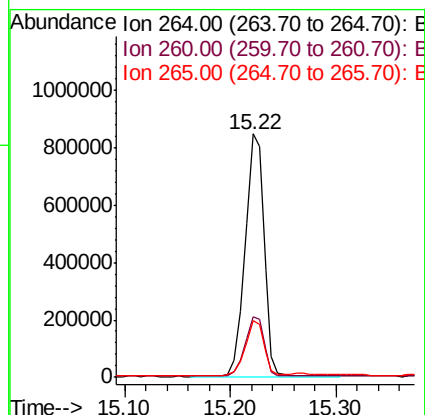
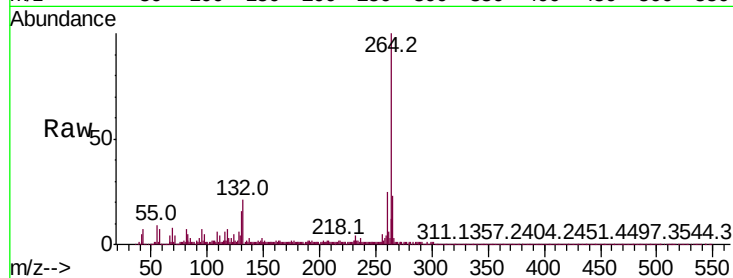


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1041869

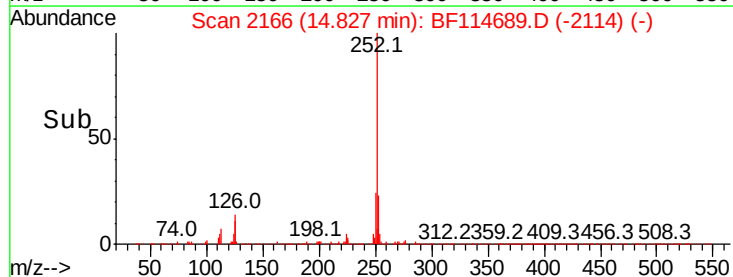
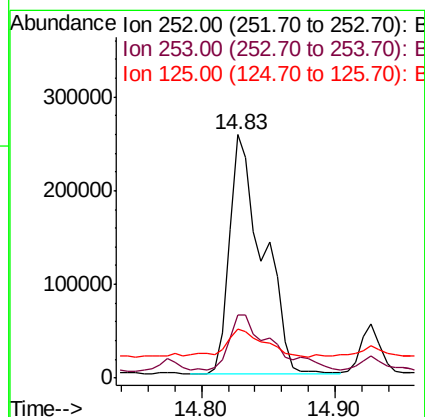
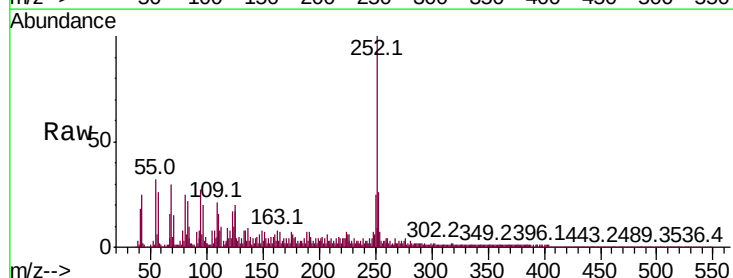
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	23.1	18.1	27.1

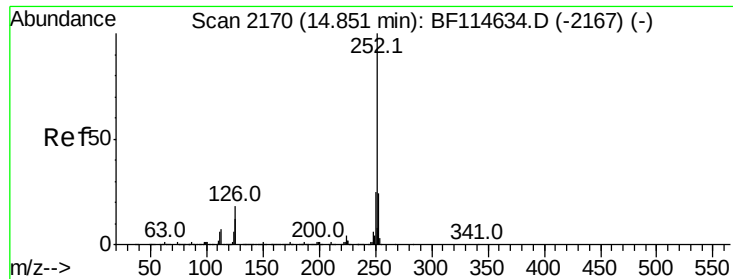


#88
Benzo(b)fluoranthene
Concen: 6.736 ng
RT: 14.83 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion:252 Resp: 441999

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.7	28.1
125	20.2	9.4	14.2#

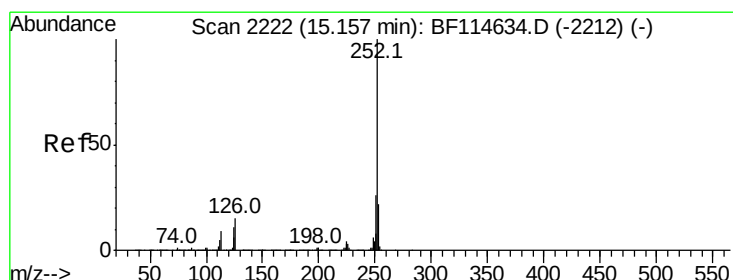
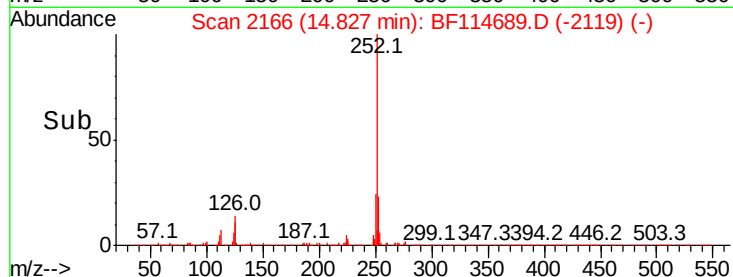
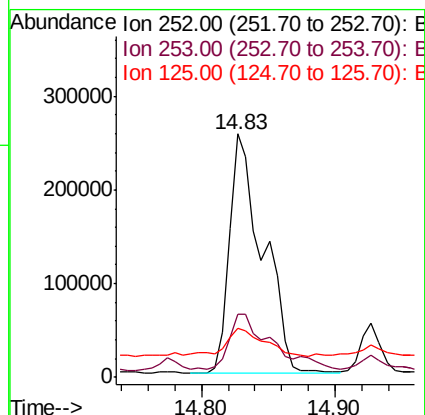
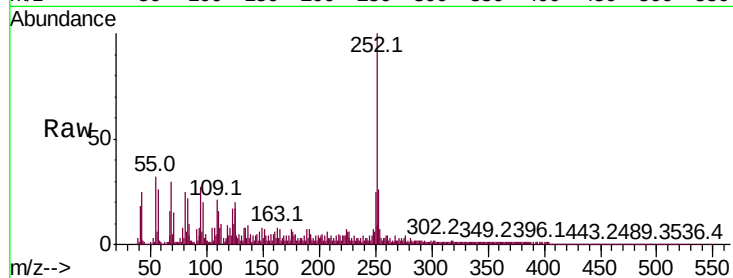




#89
Benzo(k)fluoranthene
Concen: 7.749 ng
RT: 14.83 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

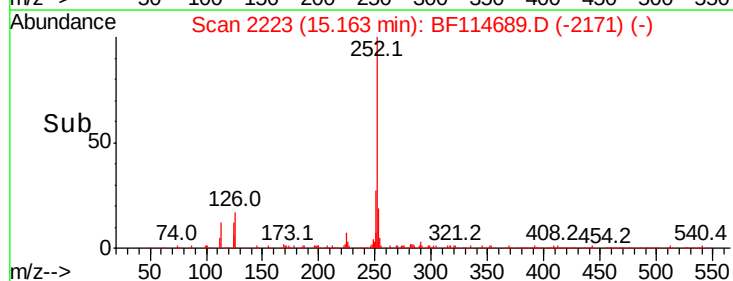
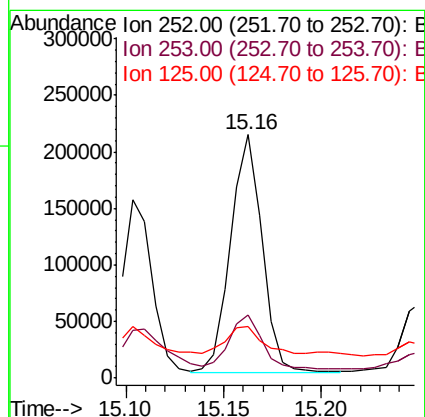
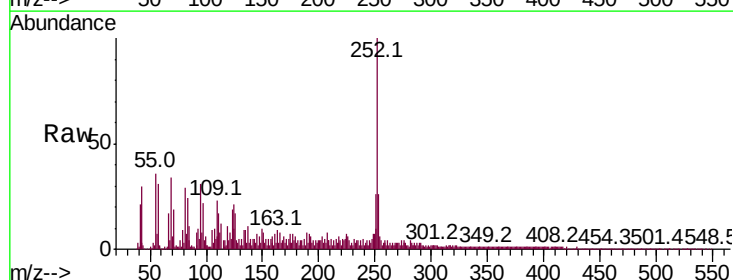
Instrument :
BNA_F
ClientSampleId :

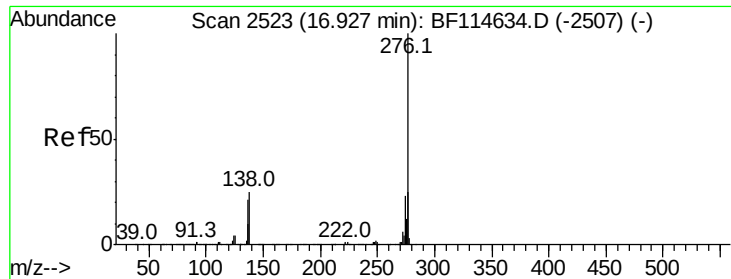
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.9	28.3
125	20.2	9.5	14.3



#90
Benzo(a)pyrene
Concen: 4.102 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BF114689.D
Acq: 31 May 2019 4:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	21.2	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 2.795 ng

RT: 16.95 min Scan# 2527

Delta R.T. 0.02 min

Lab File: BF114689.D

Acq: 31 May 2019 4:17

Instrument :

BNA_F

ClientSampleId :

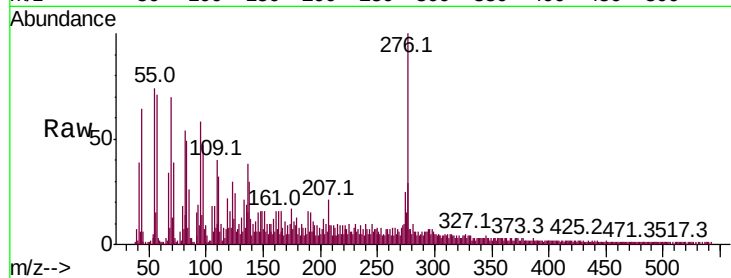
Tot Ion:276 Resp: 138208

Ion Ratio Lower Upper

276 100

277 28.8 19.7 29.5

138 29.6 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

