

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114838.D
 Acq On : 6 Jun 2019 00:21
 Operator : HP/JU
 Sample : K3189-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:04:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	377409	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1486191	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	765562	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1444563	20.00	ng	0.00
76) Chrysene-d12	13.79	240	947732	20.00	ng	0.00
87) Perylene-d12	15.17	264	961760	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1843464	85.35	ng	0.00
7) Phenol-d6	6.31	99	2375488	90.39	ng	0.00
23) Nitrobenzene-d5	7.23	82	1443851	59.80	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	768268	93.12	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2753091	67.37	ng	0.00
79) Terphenyl-d14	12.76	244	2971494	60.98	ng	0.00

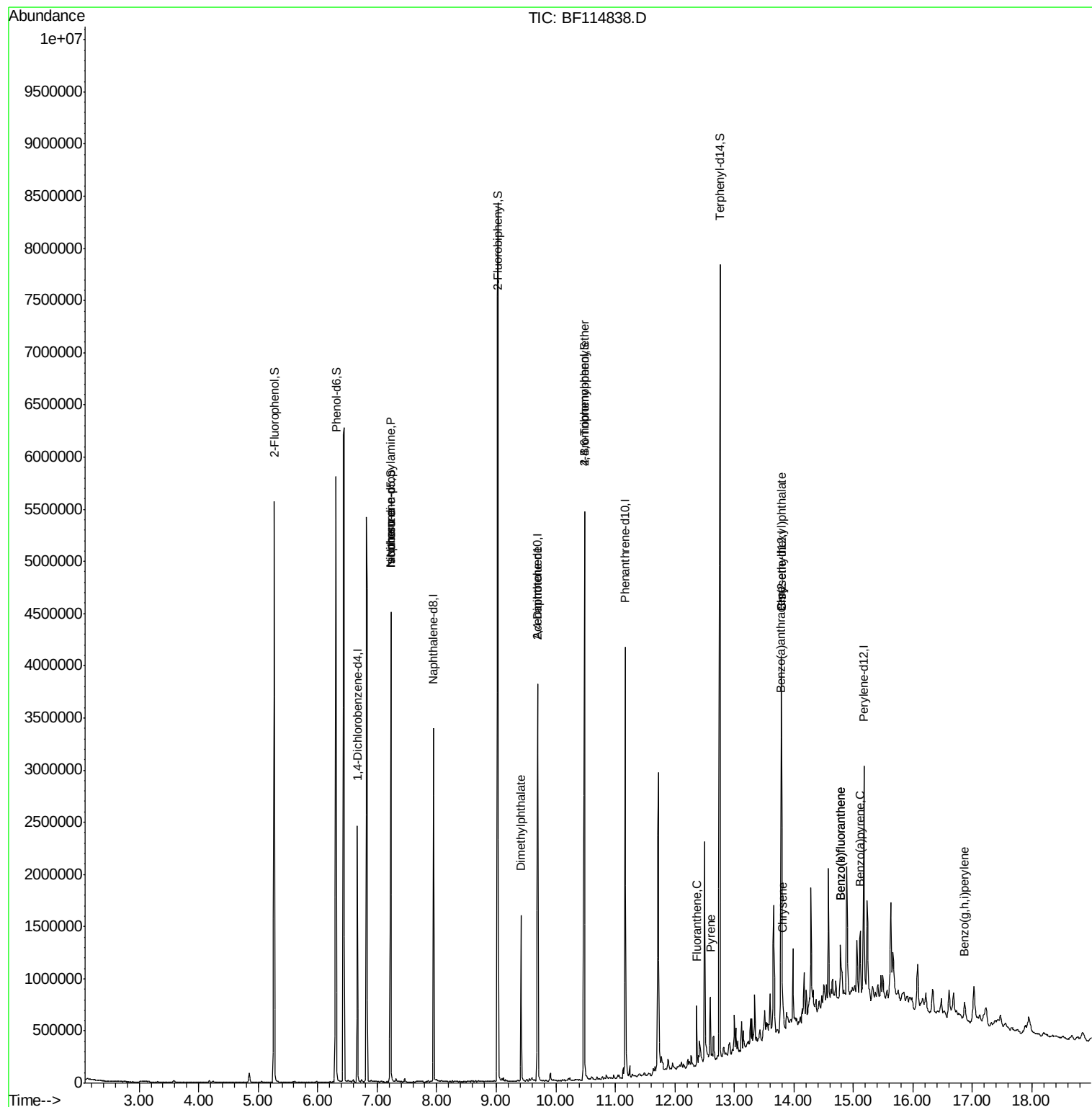
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	192635	11.073	ng	# 78
25) Isophorone	7.23	82	1429758	29.956	ng	# 61
50) Dimethylphthalate	9.42	163	593433	10.613	ng	98
57) 2,4-Dinitrotoluene	9.69	165	101095	6.116	ng	# 32
58) Fluorene	10.23	166	8032	Below Cal		97
67) 4-Bromophenyl-phenylether	10.48	248	50318	3.067	ng	# 1
75) Fluoranthene	12.37	202	206711	2.880	ng	96
78) Pyrene	12.60	202	249669	3.037	ng	94
81) Benzo(a)anthracene	13.78	228	176824	2.421	ng	95
83) Chrysene	13.82	228	220573	3.105	ng	95
84) Bis(2-ethylhexyl)phthalate	13.80	149	167793	3.196	ng	99
88) Benzo(b)fluoranthene	14.79	252	330613	5.400	ng	# 97
89) Benzo(k)fluoranthene	14.79	252	330613	6.359	ng	98
90) Benzo(a)pyrene	15.12	252	258656	4.881	ng	97
92) Benzo(a,h,i)perylene	16.87	276	137188	2.718	ng	93

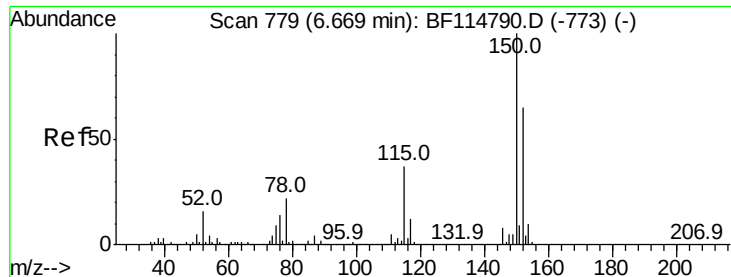
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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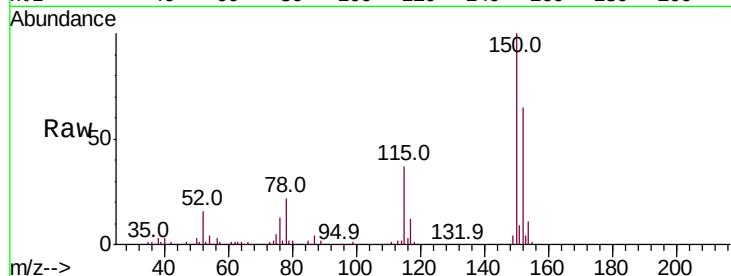


#1

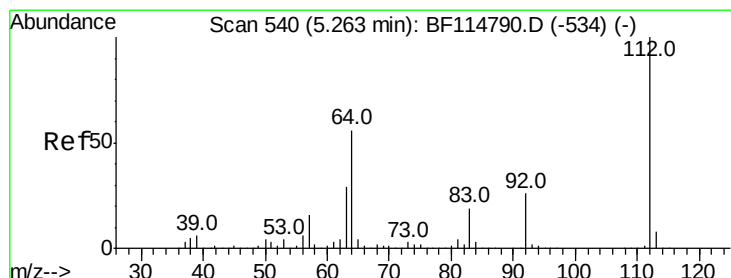
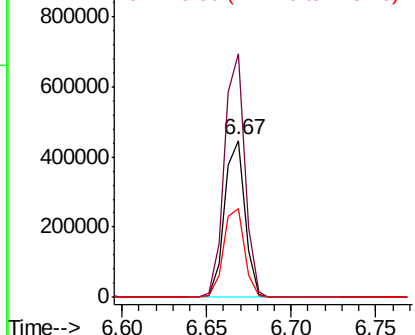
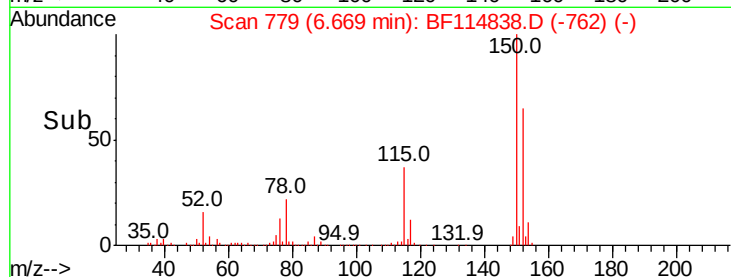
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 377409
Ion Ratio Lower Upper
152 100
150 154.9 124.0 186.0
115 56.7 46.3 69.5



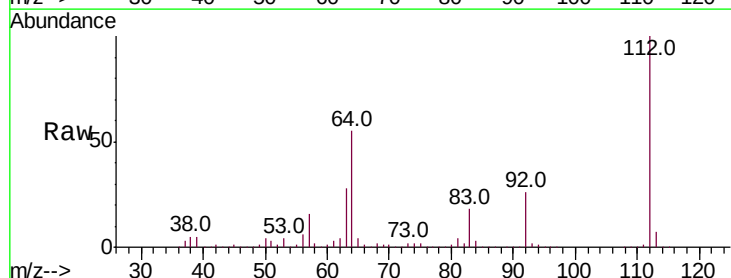
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



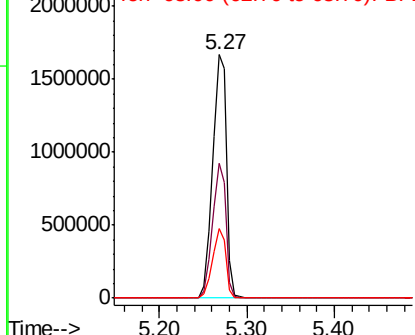
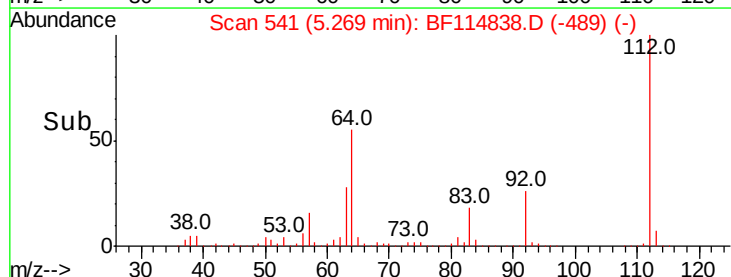
#5

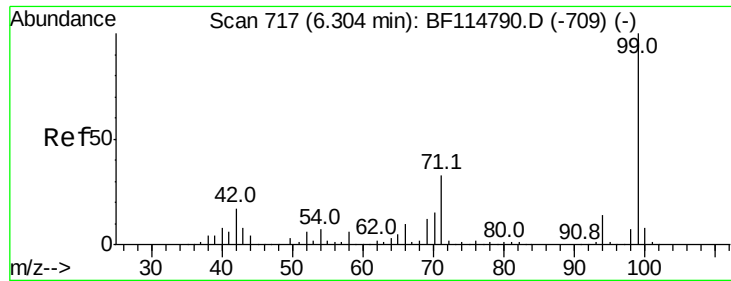
2-Fluorophenol
Concen: 85.350 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

Tgt Ion:112 Resp: 1843464
Ion Ratio Lower Upper
112 100
64 55.4 44.6 66.8
63 28.5 23.0 34.4



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: 90.386 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

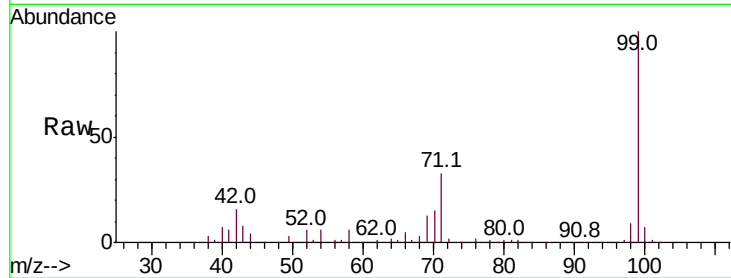
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2375488

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.3	19.9
71	32.9	26.3	39.5

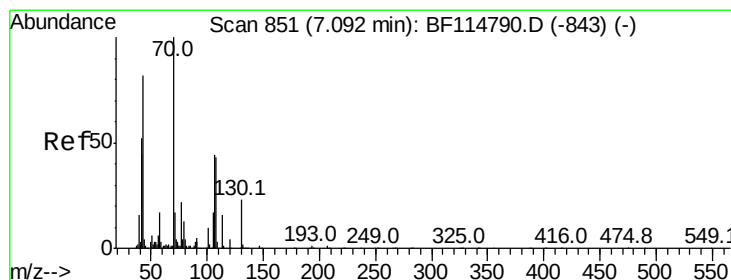
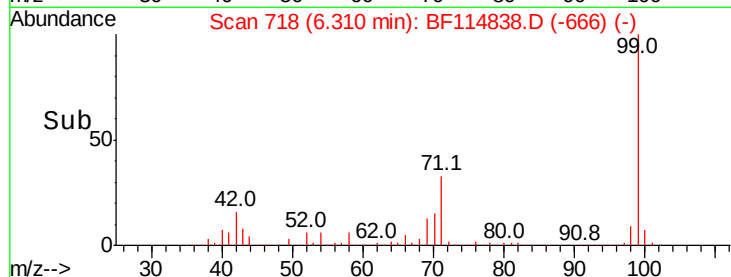
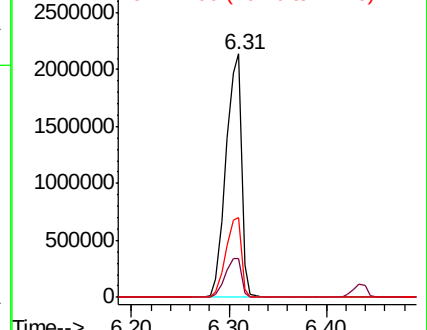


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 11.073 ng

RT: 7.23 min Scan# 874

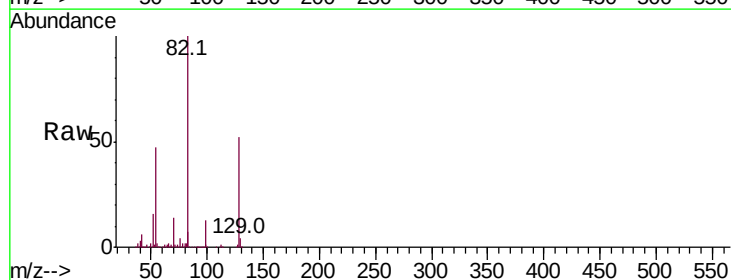
Delta R.T. 0.14 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Tgt Ion: 70 Resp: 192635

Ion	Ratio	Lower	Upper
70	100		
42	43.6	41.8	62.8
101	0.0	8.2	12.4#
130	2.5	18.5	27.7#



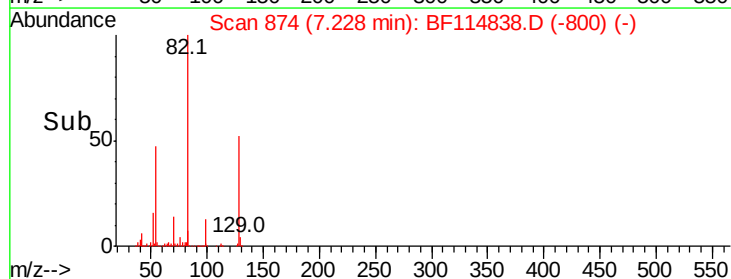
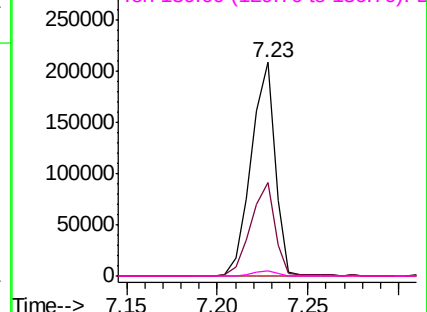
Abundance

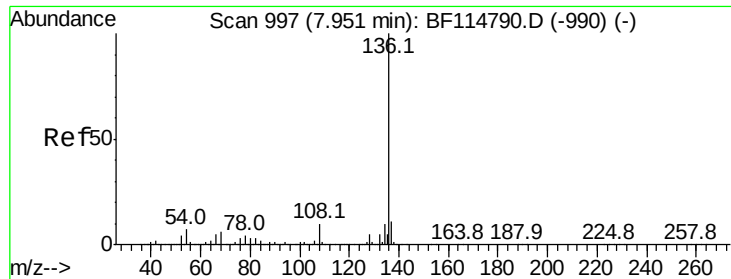
Ion 70.00 (69.70 to 70.70): BF1

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

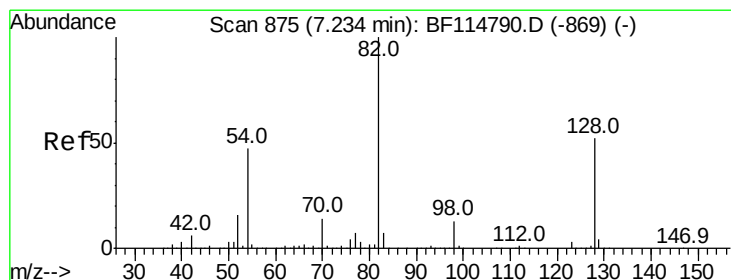
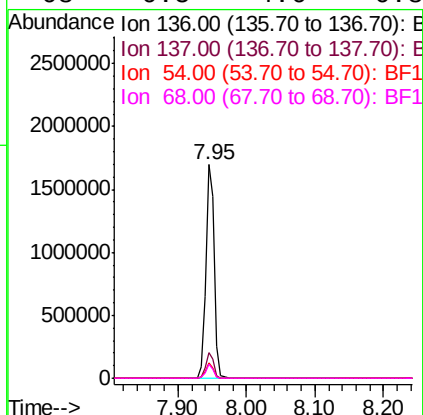
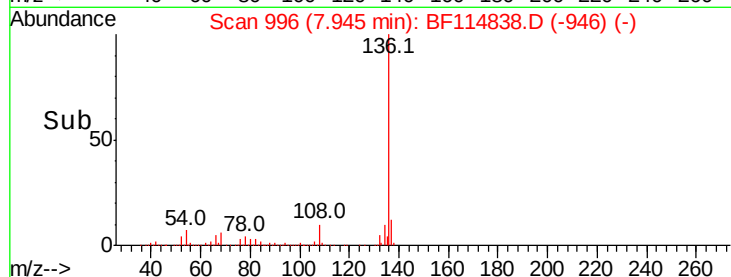
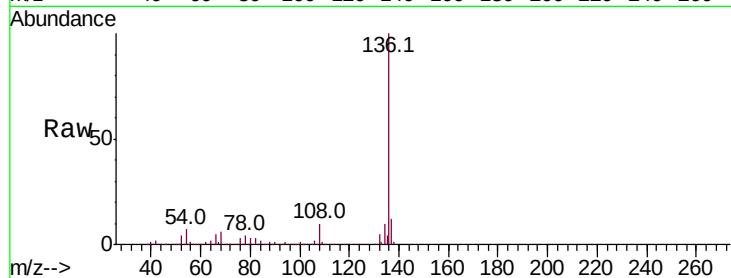




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

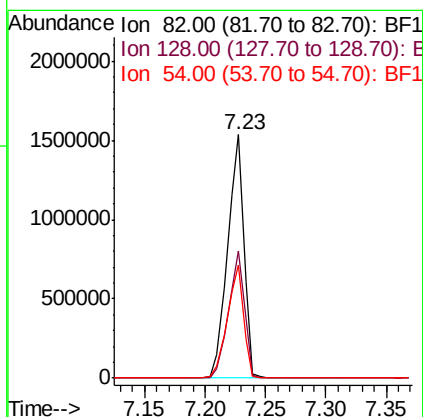
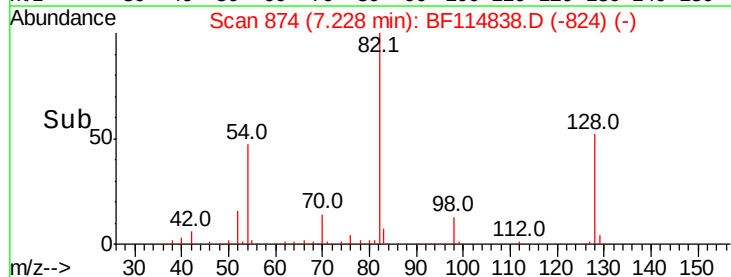
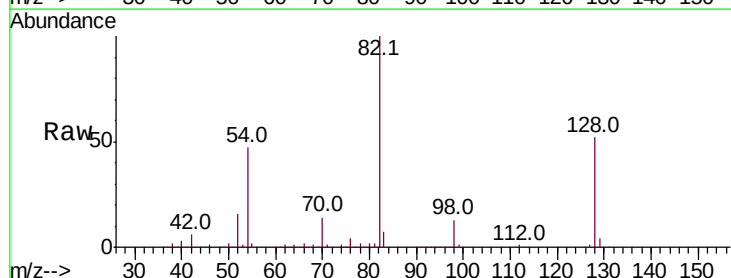
Instrument :
BNA_F
ClientSampleId :

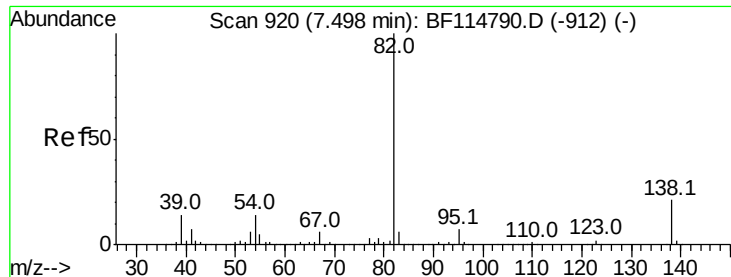
Tot Ion:	136	Resp:	1486191
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.3	5.4	8.0
68	6.5	4.6	6.8



#23
Nitrobenzene-d5
Concen: 59.805 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

Tgt Ion:	82	Resp:	1443851
Ion	Ratio	Lower	Upper
82	100		
128	52.2	41.8	62.6
54	46.5	37.9	56.9





#25

Isophorone

Concen: 29.956 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Instrument :

BNA_F

ClientSampleId :

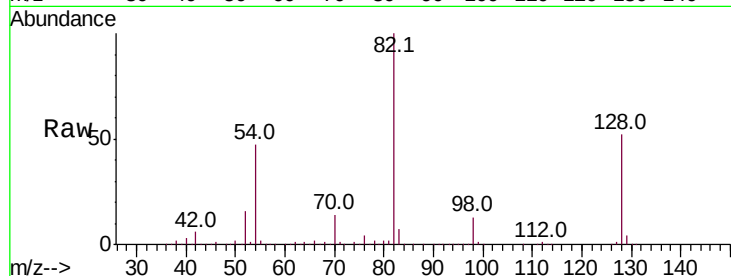
Tot Ion: 82 Resp: 1429758

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

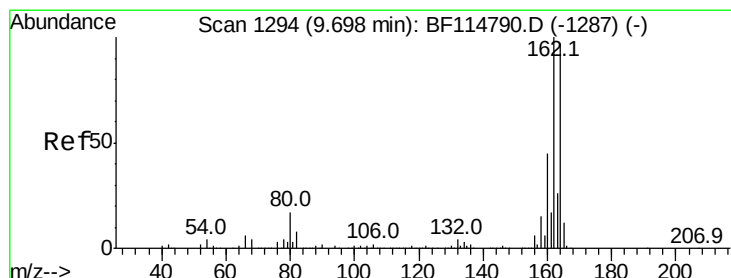
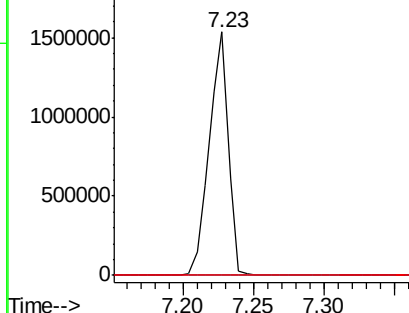
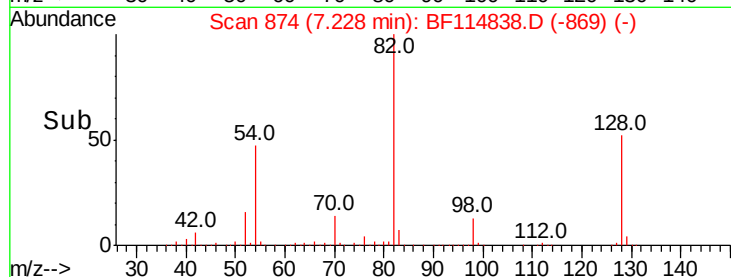
138 0.0 16.9 25.3#



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: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

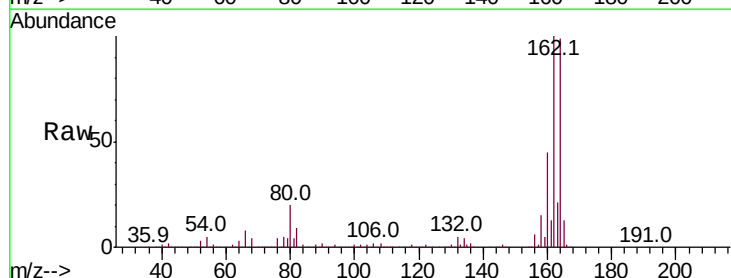
Tgt Ion:164 Resp: 765562

Ion Ratio Lower Upper

164 100

162 101.2 82.3 123.5

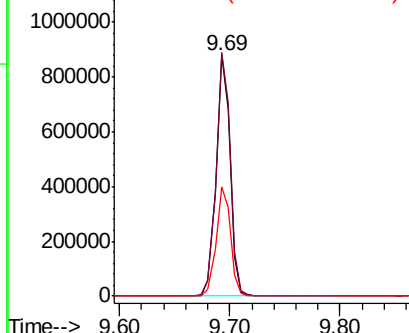
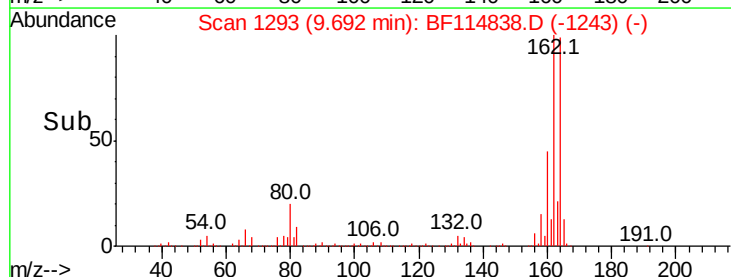
160 45.4 36.7 55.1

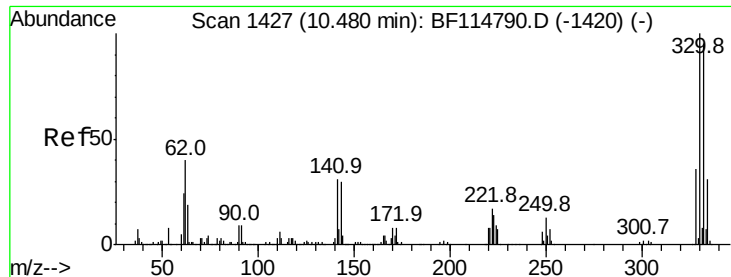


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 93.122 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.00 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Instrument :

BNA_F

ClientSampled :

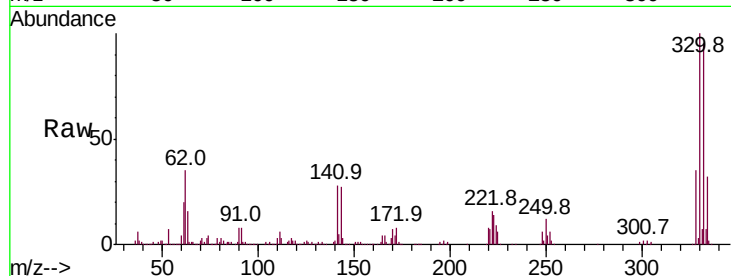
Tot Ion:330 Resp: 768268

Ion Ratio Lower Upper

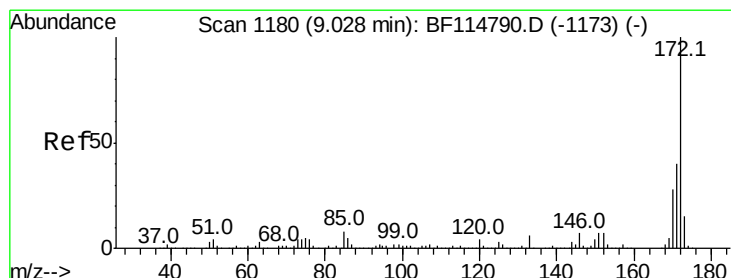
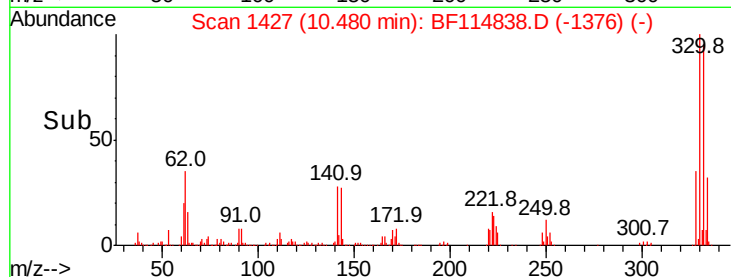
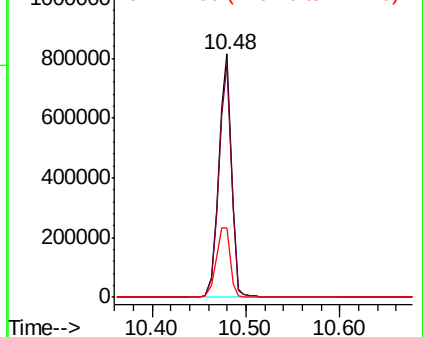
330 100

332 96.2 77.3 115.9

141 32.7 26.2 39.4



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: 67.366 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

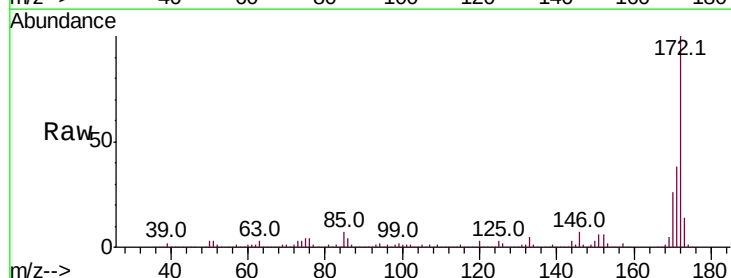
Tgt Ion:172 Resp: 2753091

Ion Ratio Lower Upper

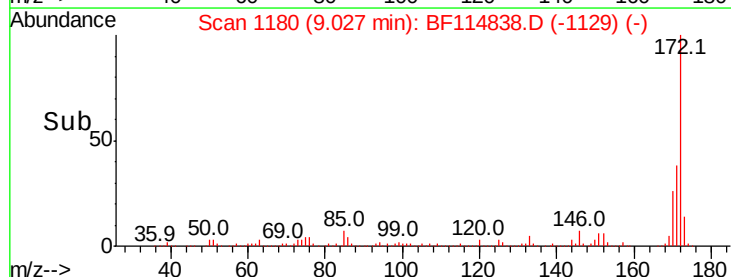
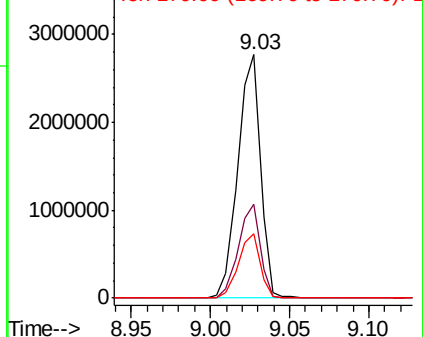
172 100

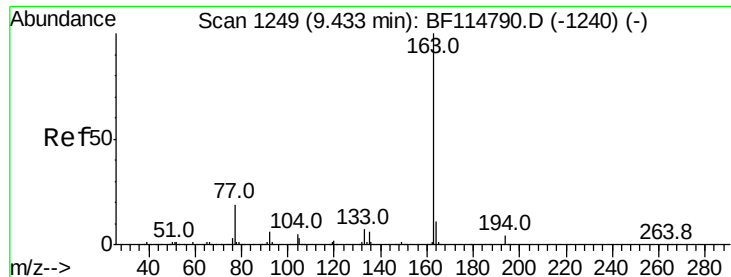
171 38.4 32.3 48.5

170 26.2 22.4 33.6



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: 10.613 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Instrument :

BNA_F

ClientSampled :

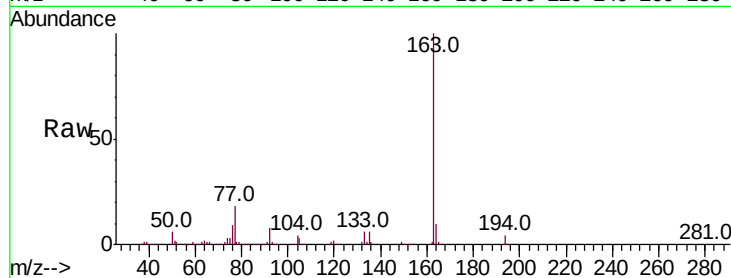
Tot Ion:163 Resp: 593433

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

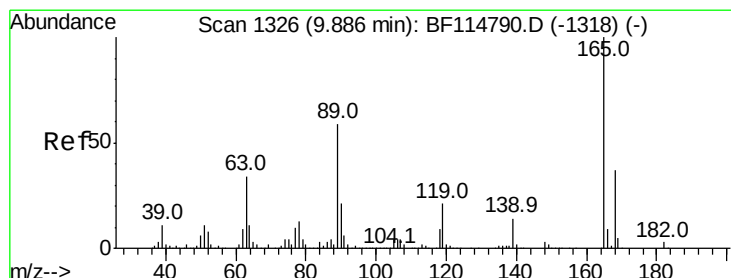
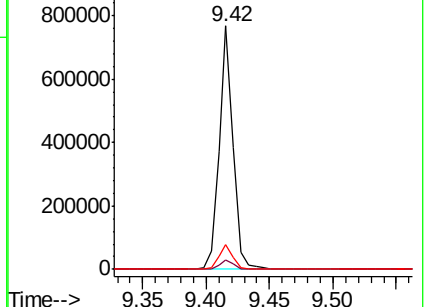
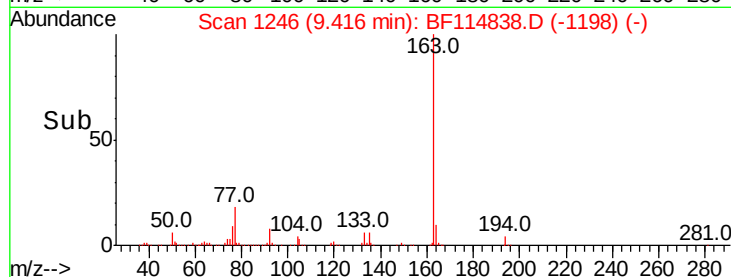
164 10.1 8.6 13.0



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: 6.116 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.19 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Tgt Ion:165 Resp: 101095

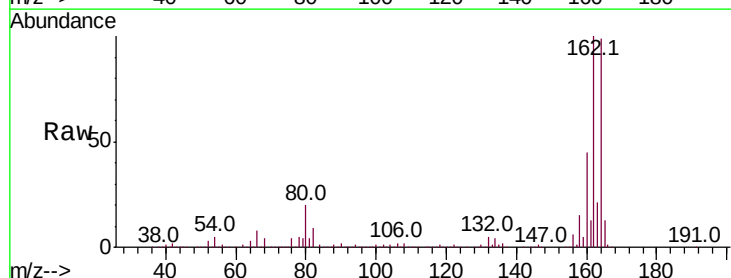
Ion Ratio Lower Upper

165 100

63 1.0 27.0 40.4#

89 1.3 47.0 70.6#

182 0.0 2.2 3.2#

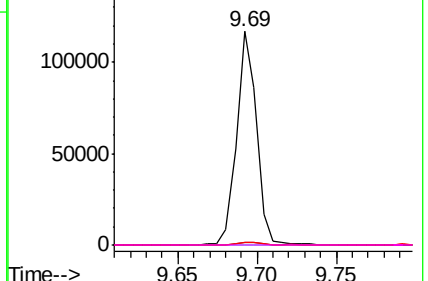
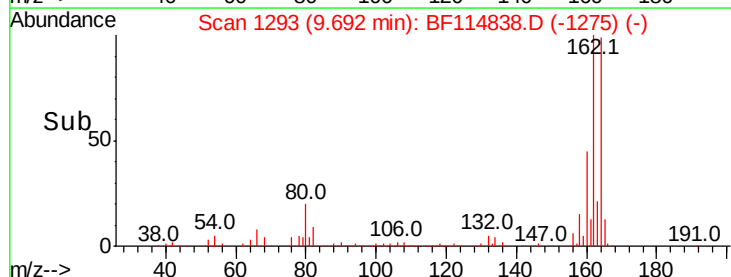


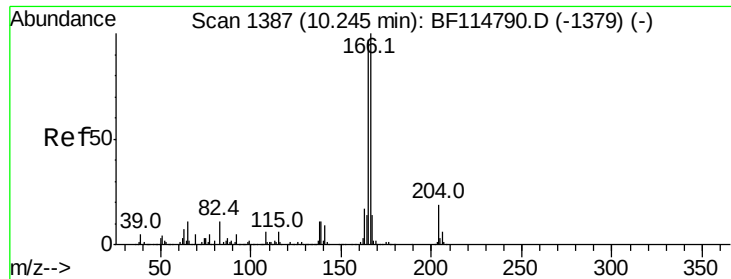
Abundance Ion 165.00 (164.70 to 165.70): E

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

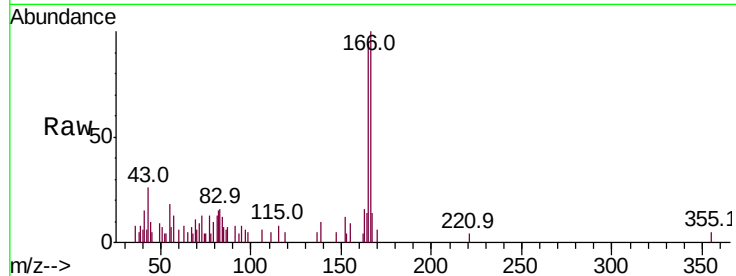




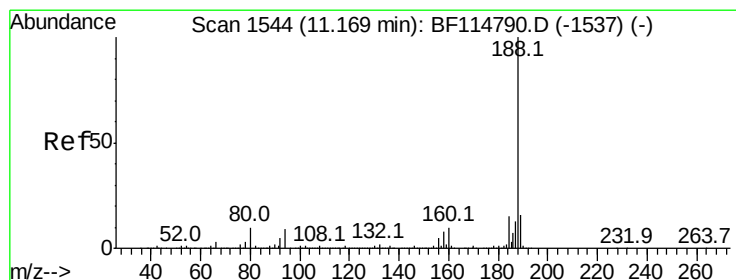
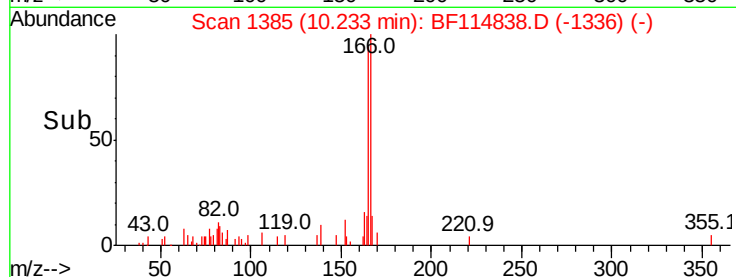
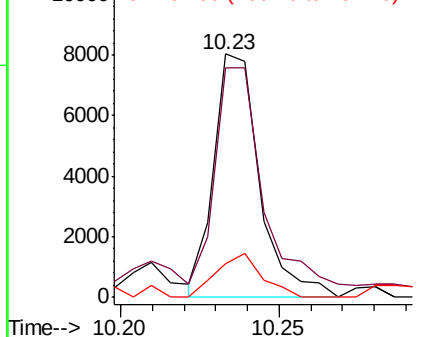
#58
 Fluorene
 Concen: Below Cal
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF114838.D
 Acq: 6 Jun 2019 00:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:166 Resp: 8032
 Ion Ratio Lower Upper
 166 100
 165 94.3 77.9 116.9
 167 13.6 11.3 16.9

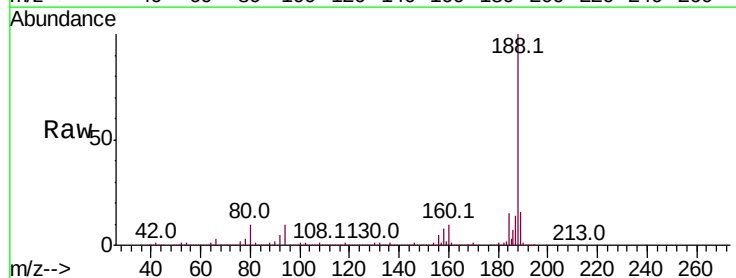


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

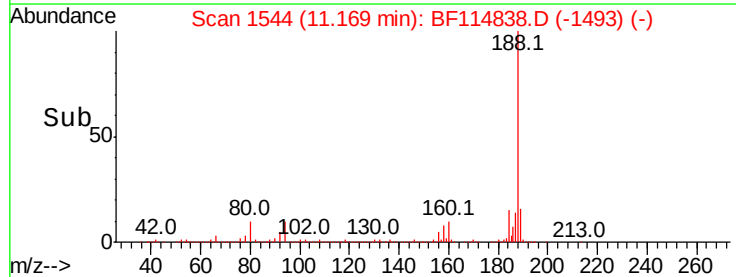
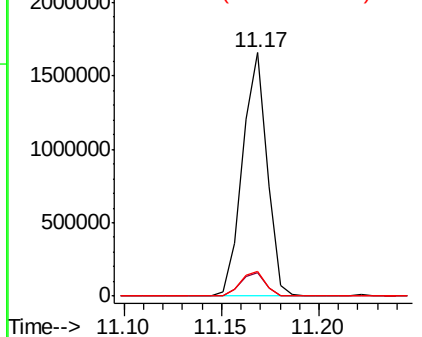


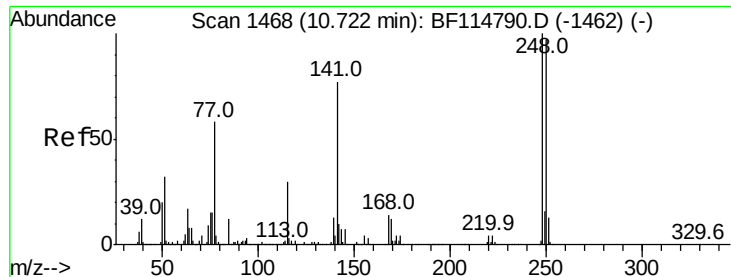
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: BF114838.D
 Acq: 6 Jun 2019 00:21

Tgt Ion:188 Resp: 1444563
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.6 11.4
 80 10.1 8.3 12.5



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

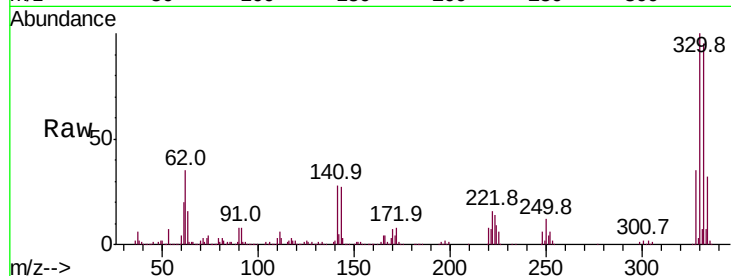




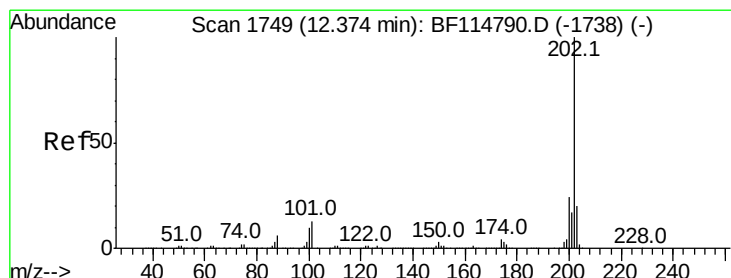
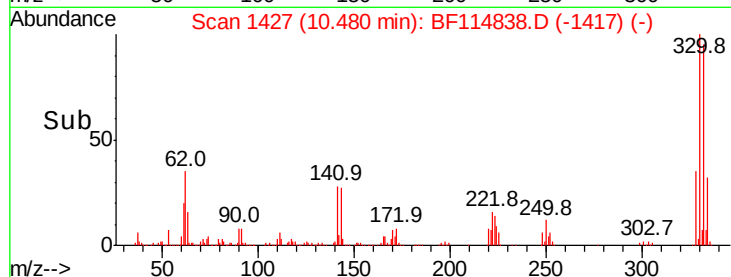
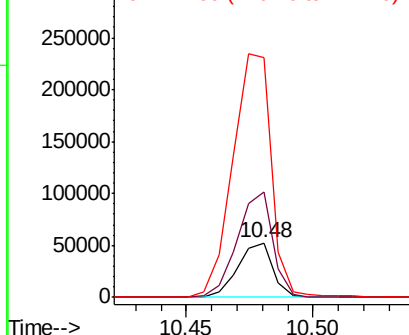
#67
 4-Bromophenyl-phenylether
 Concen: 3.067 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.24 min
 Lab File: BF114838.D
 Acq: 6 Jun 2019 00:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 50318
 Ion Ratio Lower Upper
 248 100
 250 193.6 77.5 116.3#
 141 442.2 61.8 92.8#

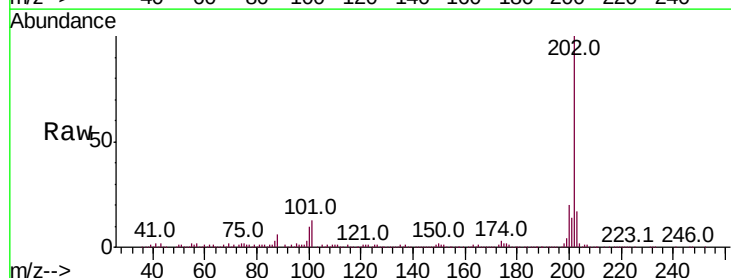


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

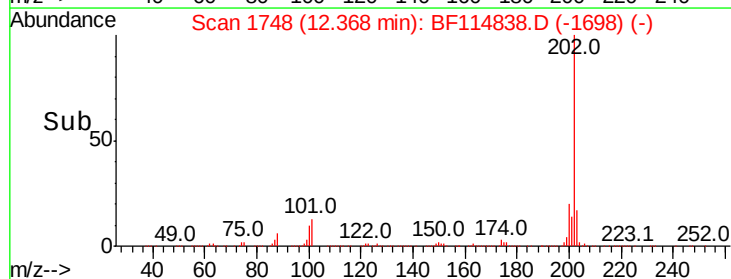
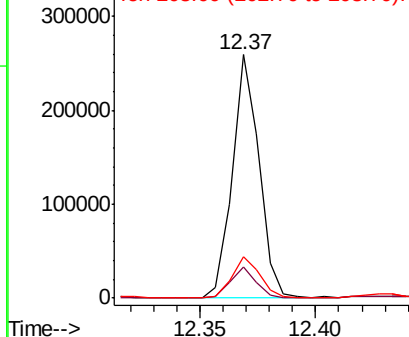


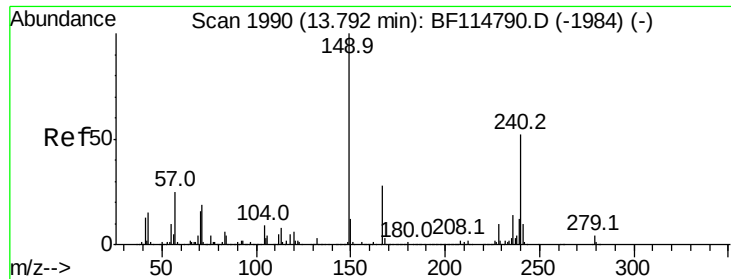
#75
 Fluoranthene
 Concen: 2.880 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.01 min
 Lab File: BF114838.D
 Acq: 6 Jun 2019 00:21

Tgt Ion:202 Resp: 206711
 Ion Ratio Lower Upper
 202 100
 101 12.8 0.0 32.8
 203 17.1 0.2 40.2



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: 13.79 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Instrument :

BNA_F

ClientSampleId :

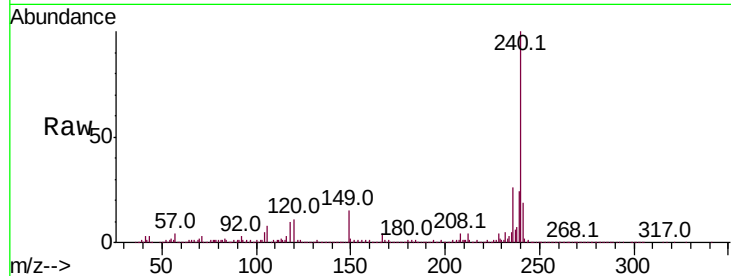
Tot Ion:240 Resp: 947732

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.4

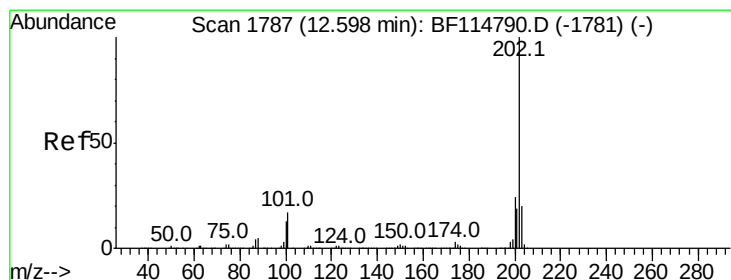
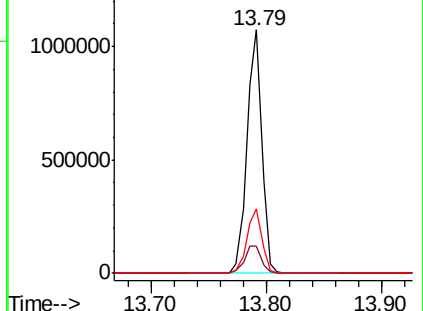
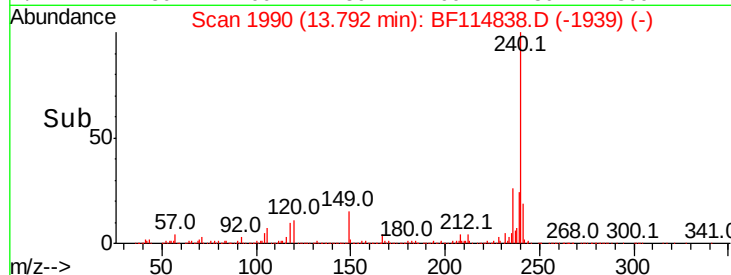
236 26.4 21.4 32.0



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

Pyrene

Concen: 3.037 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

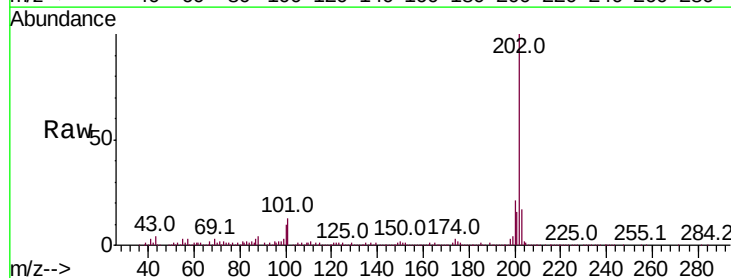
Tgt Ion:202 Resp: 249669

Ion Ratio Lower Upper

202 100

200 21.0 19.2 28.8

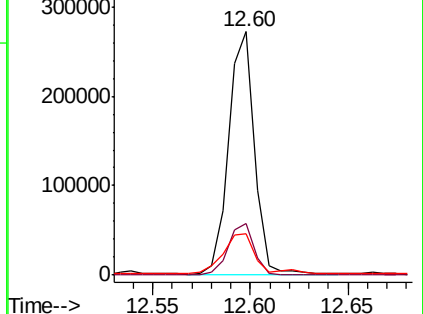
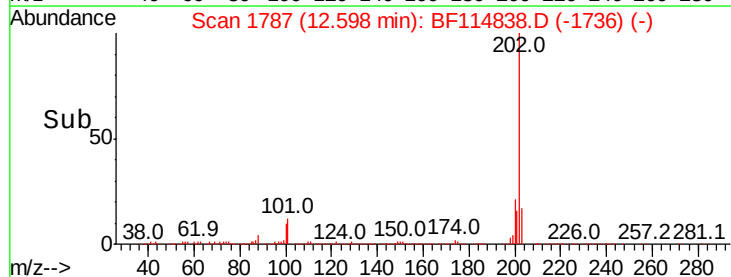
203 17.1 15.9 23.9

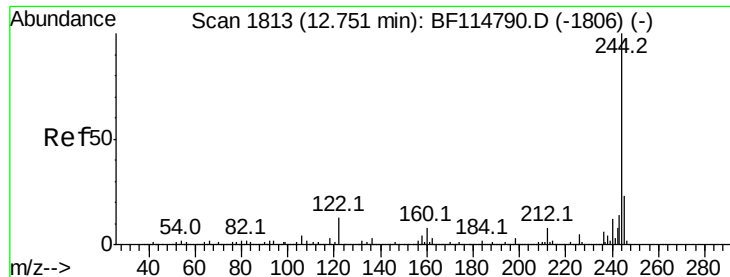


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.975 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

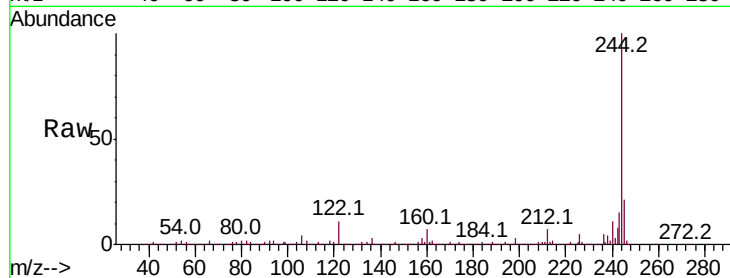
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 2971494

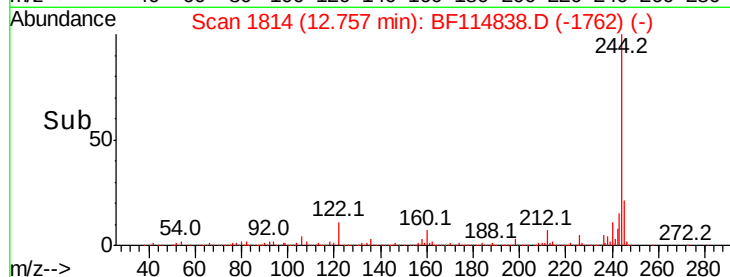
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	11.5	10.5	15.7



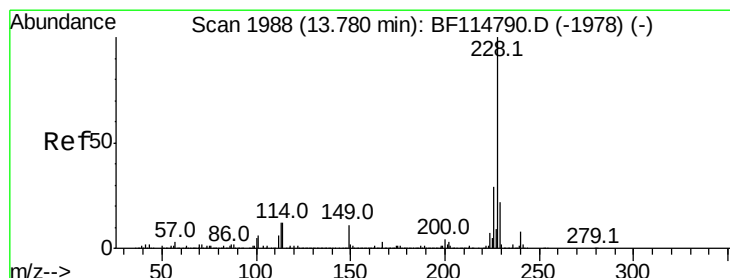
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#81

Benzo(a)anthracene

Concen: 2.421 ng

RT: 13.78 min Scan# 1988

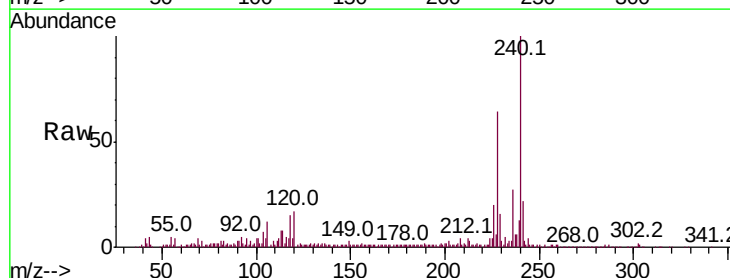
Delta R.T. -0.00 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Tgt Ion:228 Resp: 176824

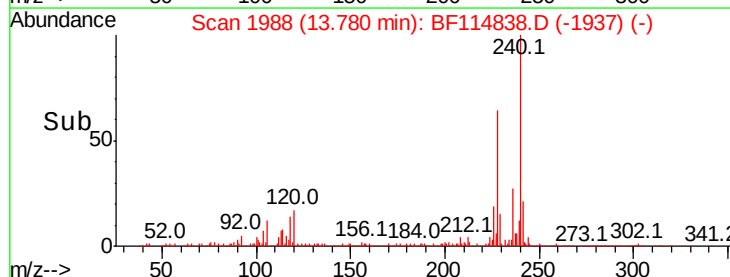
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	25.1	17.4	26.0



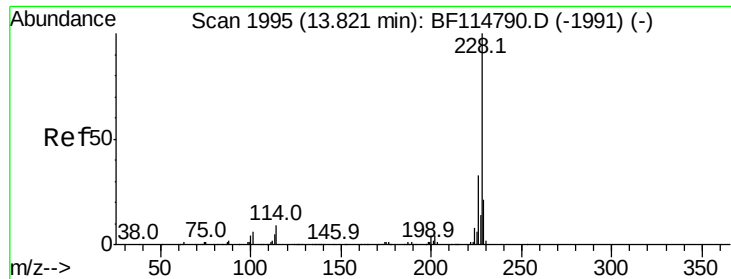
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



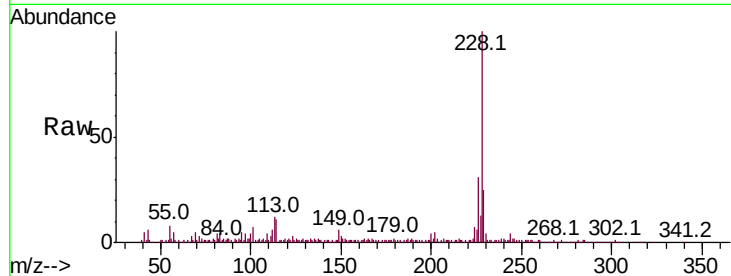
Time-->



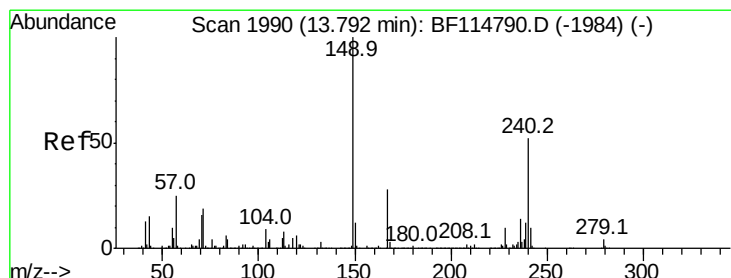
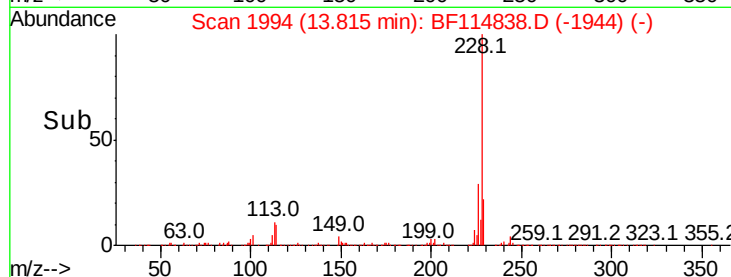
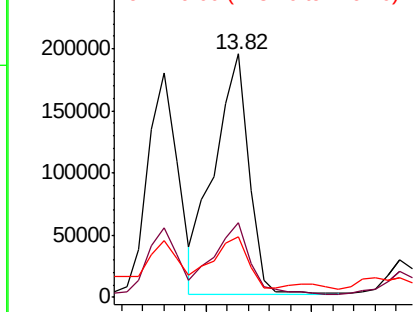
#83
Chrysene
Concen: 3.105 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

Instrument :
BNA_F
ClientSampleId :

Tot	Ion:228	Resp:	220573
Ion	Ratio	Lower	Upper
228	100		
226	30.8	26.0	39.0
229	25.1	17.1	25.7

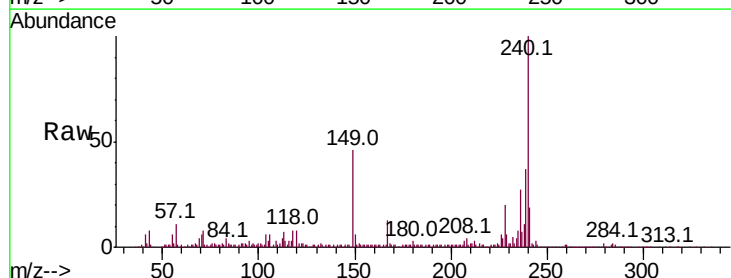


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

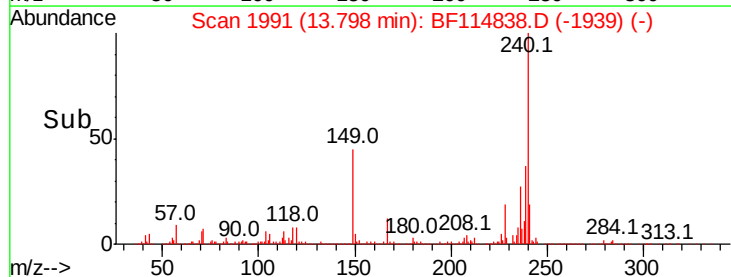
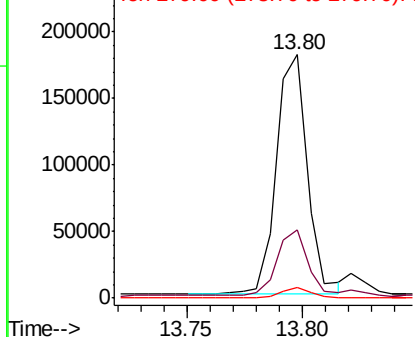


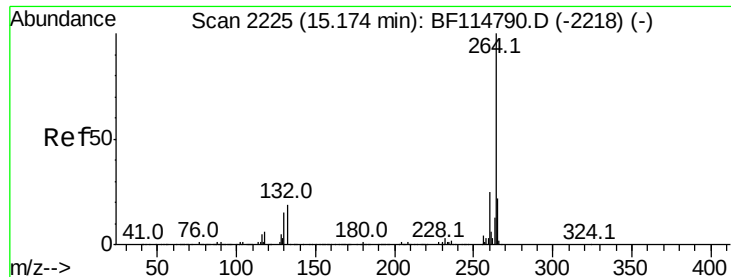
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.196 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

Tgt Ion:149	Resp: 167793
Ion Ratio	Lower Upper
149 100	
167 28.0	22.7 34.1
279 4.4	3.1 4.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

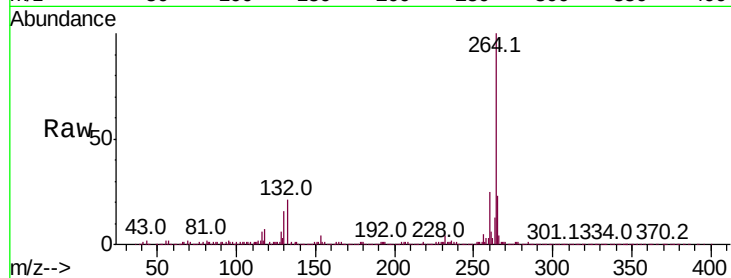




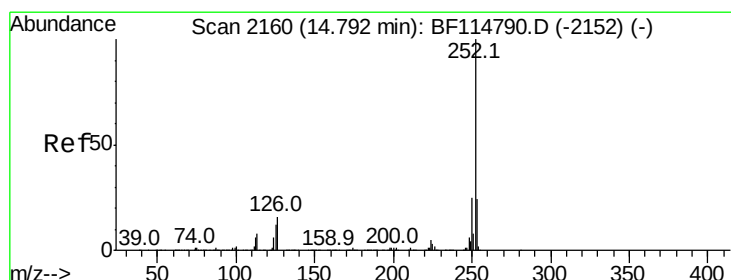
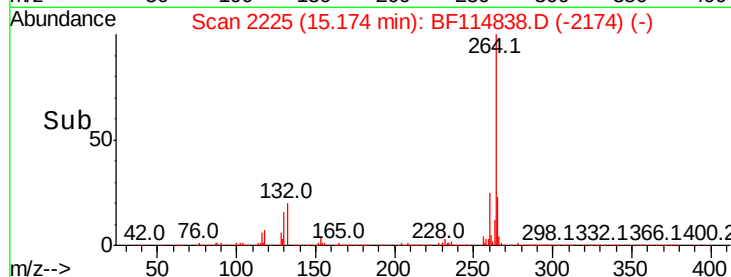
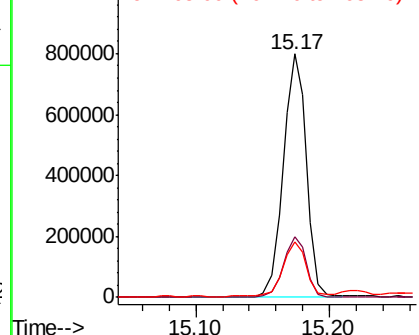
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 961760
Ion Ratio Lower Upper
264 100
260 24.7 20.1 30.1
265 22.9 17.7 26.5

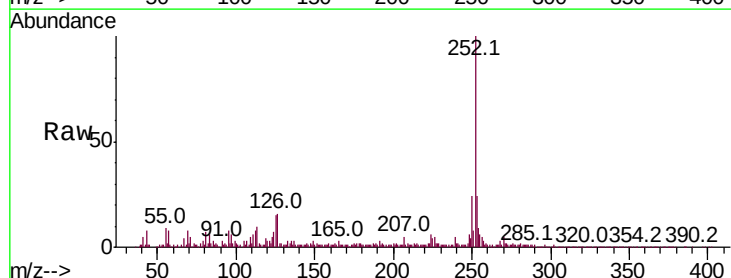


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

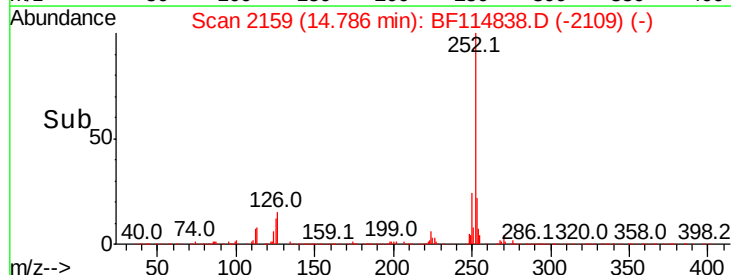
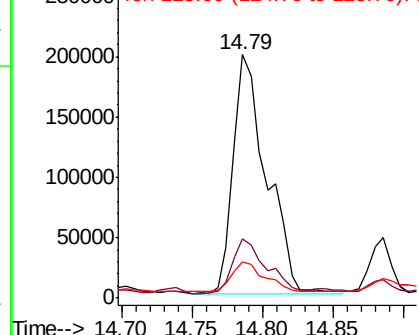


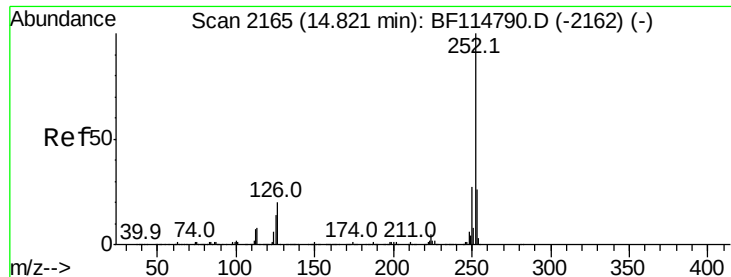
#88
Benzo(b)fluoranthene
Concen: 5.400 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF114838.D
Acq: 6 Jun 2019 00:21

Tgt Ion:252 Resp: 330613
Ion Ratio Lower Upper
252 100
253 24.4 19.0 28.6
125 14.7 9.4 14.0#



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





#89

Benzo(k)fluoranthene

Concen: 6.359 ng

RT: 14.79 min Scan# 2159

Delta R.T. -0.04 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

Instrument :

BNA_F

ClientSampled :

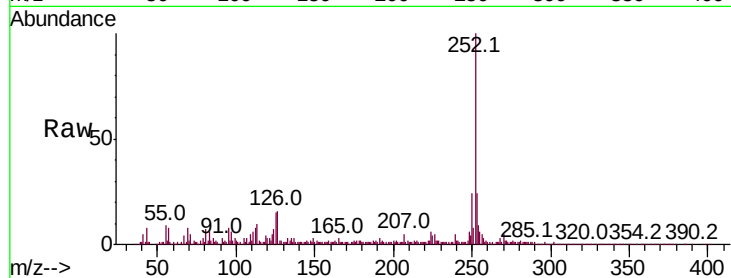
Tot Ion:252 Resp: 330613

Ion Ratio Lower Upper

252 100

253 24.4 19.3 28.9

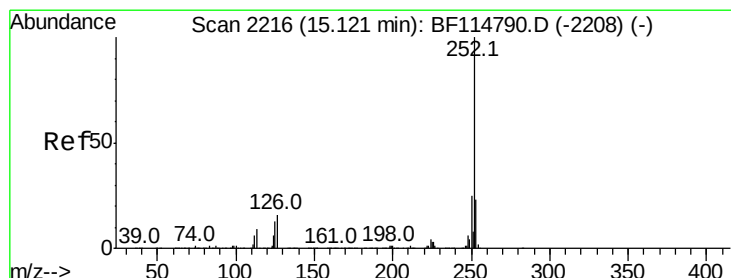
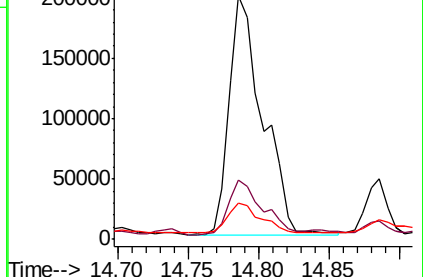
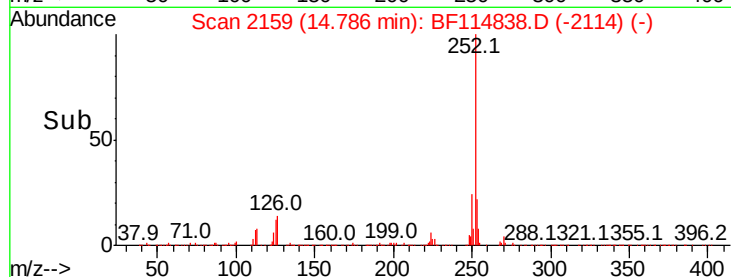
125 14.7 10.1 15.1



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



#90

Benzo(a)pyrene

Concen: 4.881 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF114838.D

Acq: 6 Jun 2019 00:21

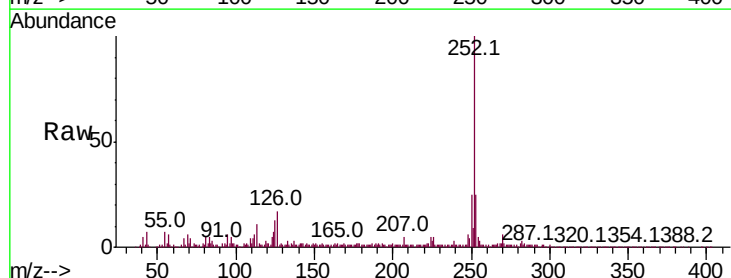
Tgt Ion:252 Resp: 258656

Ion Ratio Lower Upper

252 100

253 24.9 18.5 27.7

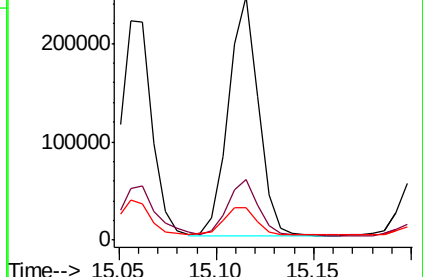
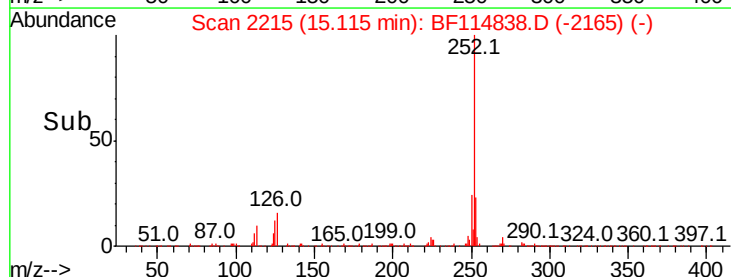
125 13.3 10.1 15.1

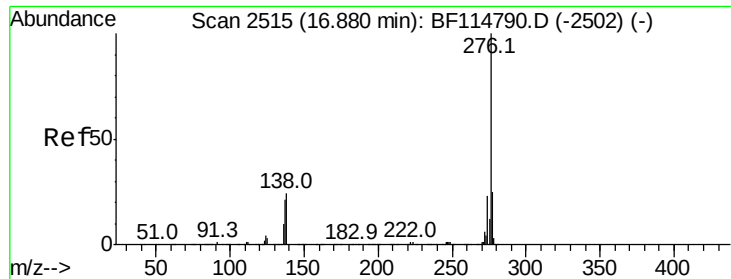


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

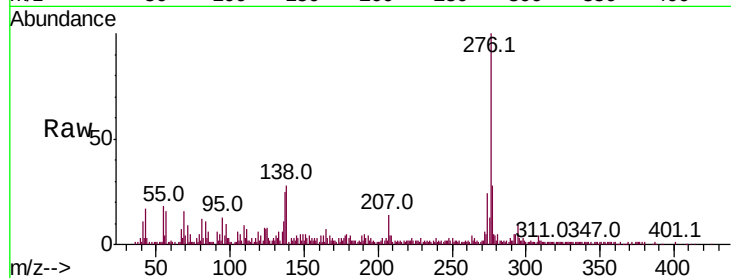




#92
 Benzo(a,h,i)perylene
 Concen: 2.718 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. -0.01 min
 Lab File: BF114838.D
 Acq: 6 Jun 2019 00:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.8	29.6
138	28.0	19.4	29.2



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

