

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115324.D
 Acq On : 29 Jun 2019 15:47
 Operator : HP/JU
 Sample : K3601-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4651

Quant Time: Jun 30 01:45:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	180983	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	712626	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	358406	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	746279	20.00	ng	0.00
76) Chrysene-d12	13.71	240	640490	20.00	ng	0.00
87) Perylene-d12	15.08	264	650305	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1030000	87.82	ng	0.00
7) Phenol-d6	6.24	99	1320355	92.75	ng	0.00
23) Nitrobenzene-d5	7.16	82	769480	66.42	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	406081	107.44	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1553424	73.62	ng	0.00
79) Terphenyl-d14	12.68	244	1902584	63.16	ng	0.00

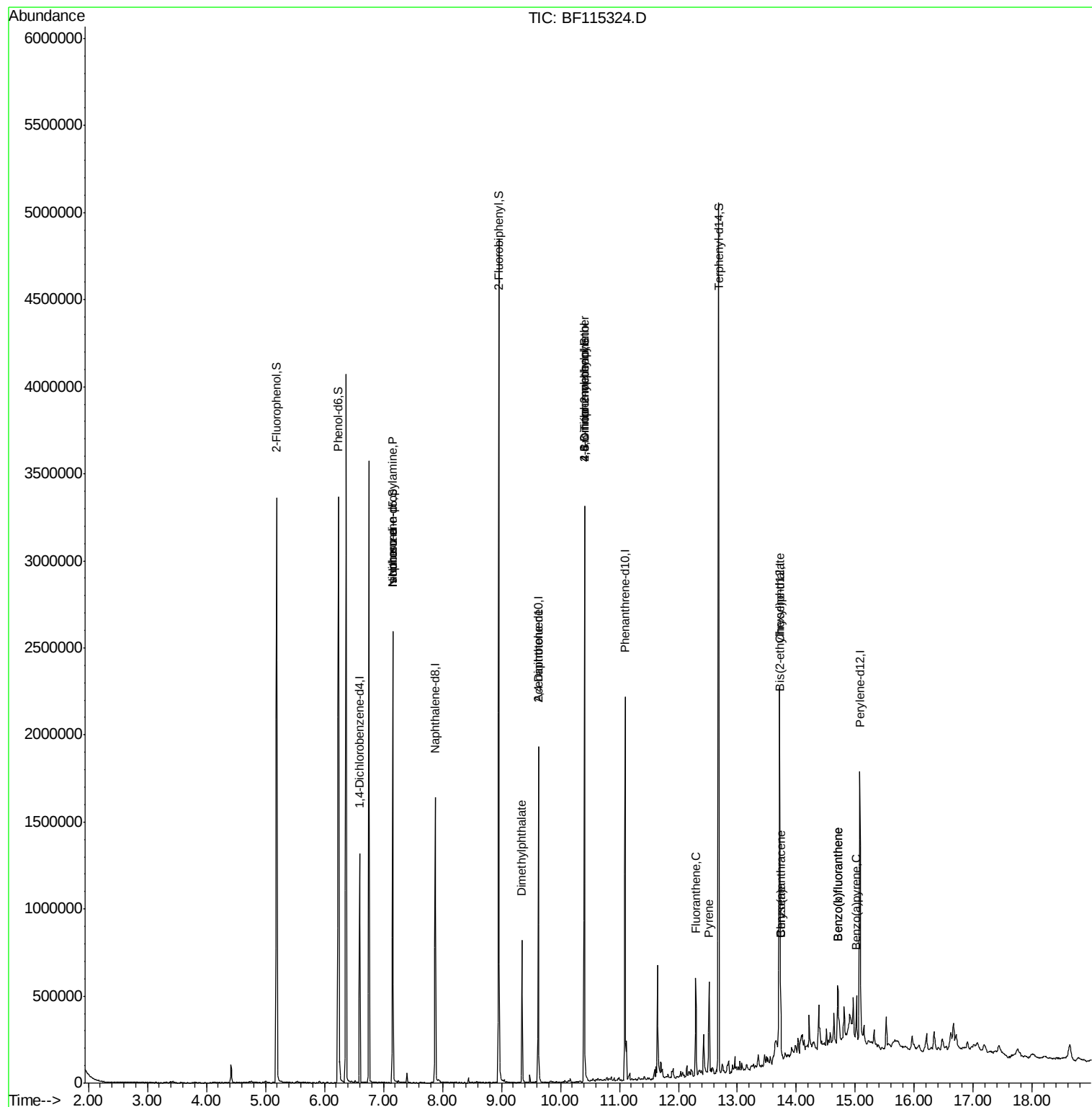
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	101923	11.184	ng	# 76
25) Isophorone	7.16	82	769574	32.429	ng	# 63
50) Dimethylphthalate	9.35	163	313494	11.889	ng	99
57) 2,4-Dinitrotoluene	9.62	165	46393	5.902	ng	# 30
58) Fluorene	10.17	166	3288	Below Cal		# 95
65) 4,6-Dinitro-2-methylphenol	10.41	198	859	5.154	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	25382	3.137	ng	# 1
75) Fluoranthene	12.30	202	208546	5.202	ng	97
78) Pyrene	12.52	202	200594	4.075	ng	98
81) Benzo(a)anthracene	13.74	228	123609	2.690	ng	97
83) Chrysene	13.74	228	123609	2.936	ng	97
84) Bis(2-ethylhexyl)phthalate	13.72	149	99175	3.484	ng	97
88) Benzo(b)fluoranthene	14.70	252	206761	5.096	ng	# 97
89) Benzo(k)fluoranthene	14.70	252	206761	5.682	ng	97
90) Benzo(a)pyrene	15.02	252	102361	2.799	ng	99

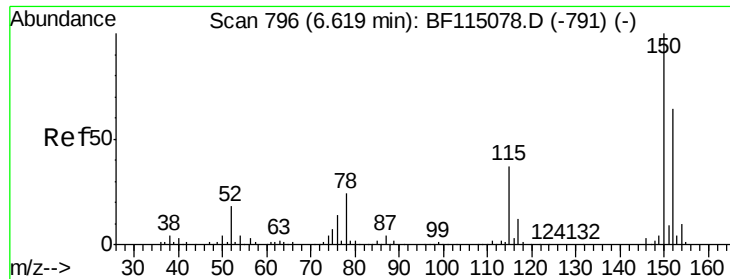
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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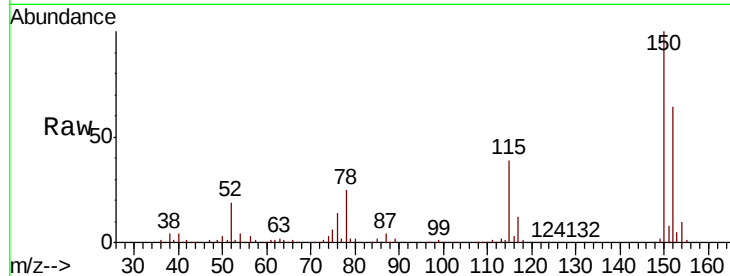


#1

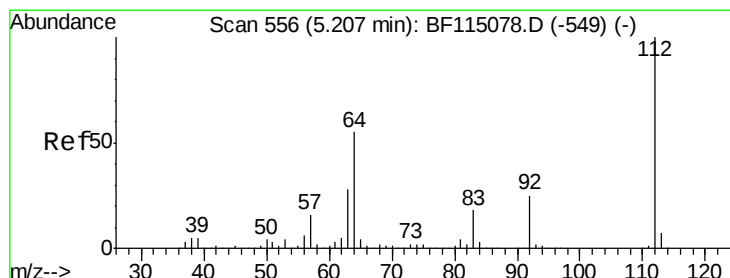
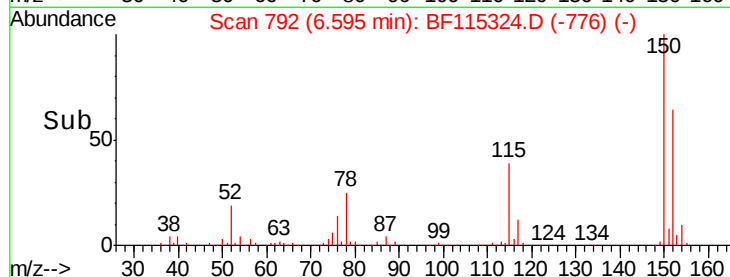
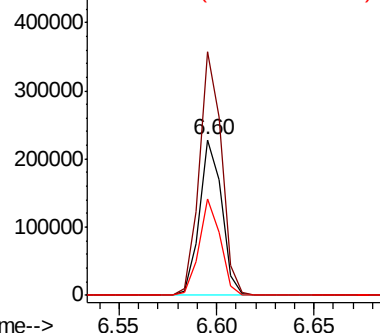
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

Instrument :
BNA_F
ClientSampleId :
RT-4651

Tgt Ion:152 Resp: 180983
Ion Ratio Lower Upper
152 100
150 156.7 124.2 186.2
115 61.7 46.1 69.1



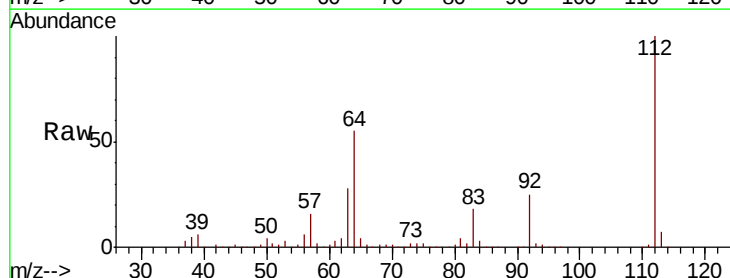
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



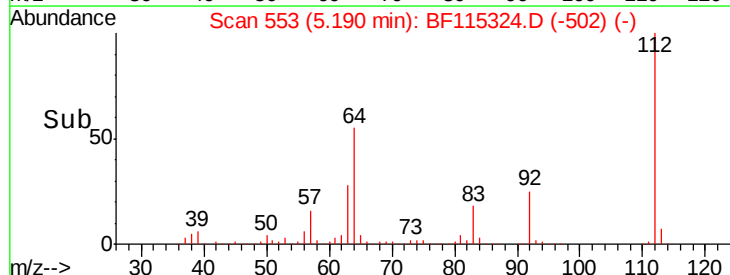
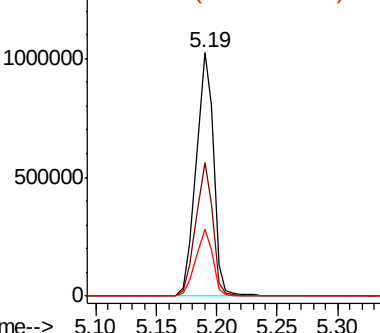
#5

2-Fluorophenol
Concen: 87.824 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

Tgt Ion:112 Resp: 1030000
Ion Ratio Lower Upper
112 100
64 54.9 43.8 65.6
63 27.7 22.2 33.4



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: 92.755 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Instrument :

BNA_F

ClientSampleId :

RT-4651

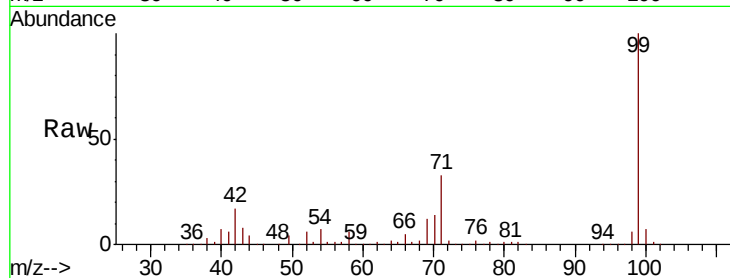
Tgt Ion: 99 Resp: 1320355

Ion Ratio Lower Upper

99 100

42 17.2 13.6 20.4

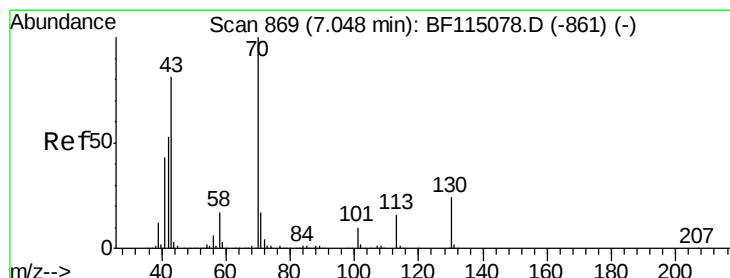
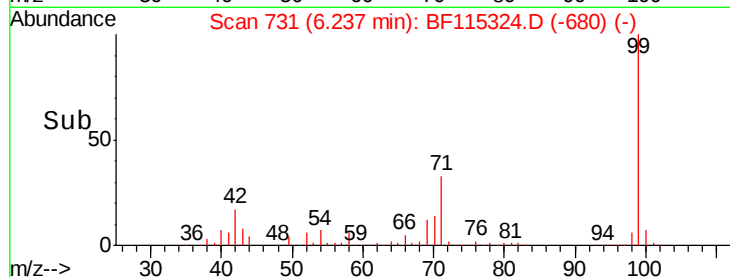
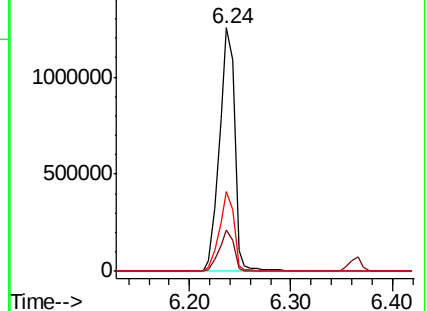
71 32.7 25.5 38.3



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: 11.184 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Tgt Ion: 70 Resp: 101923

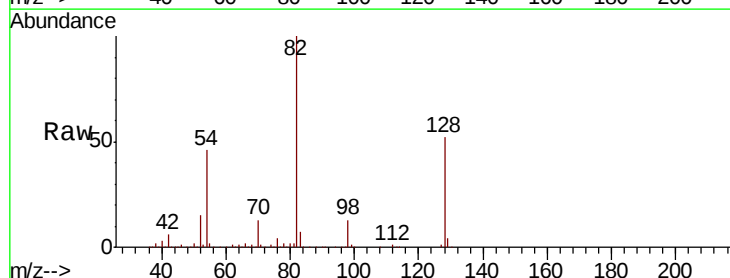
Ion Ratio Lower Upper

70 100

42 43.3 42.6 63.8

101 0.0 8.0 12.0#

130 2.5 19.4 29.0#

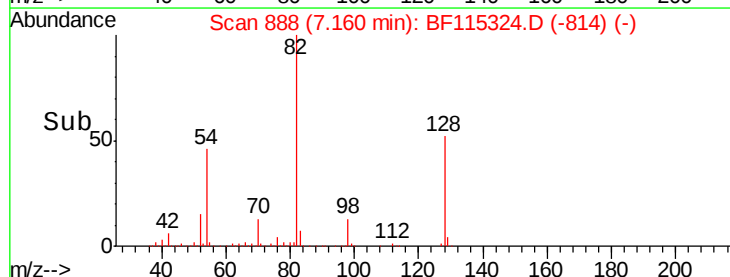
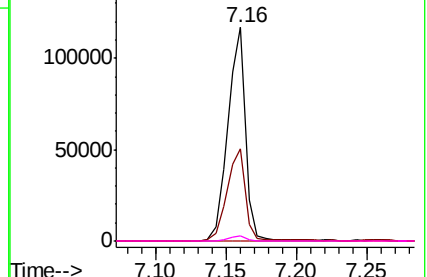


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

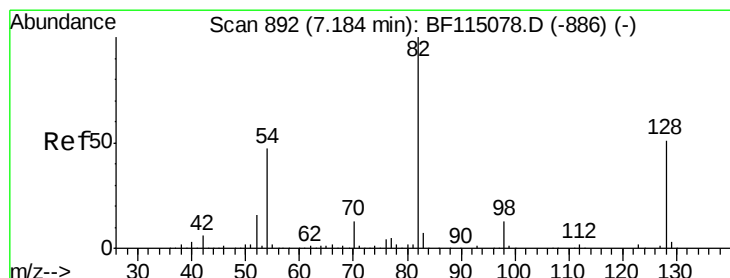
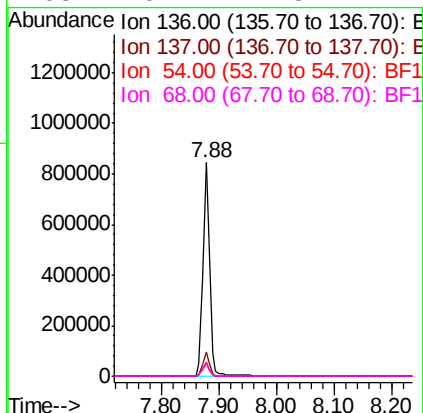
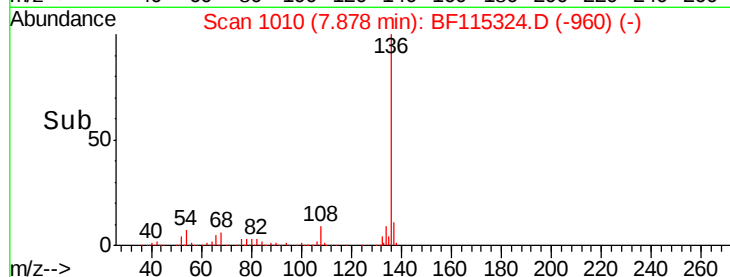
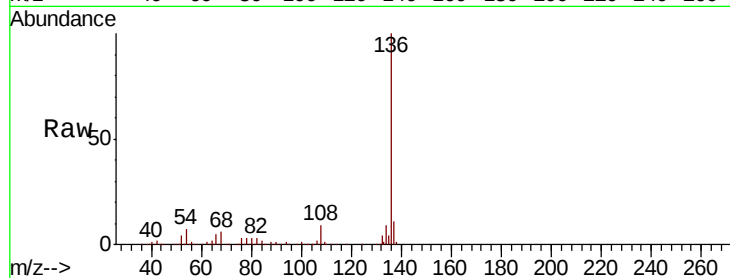




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

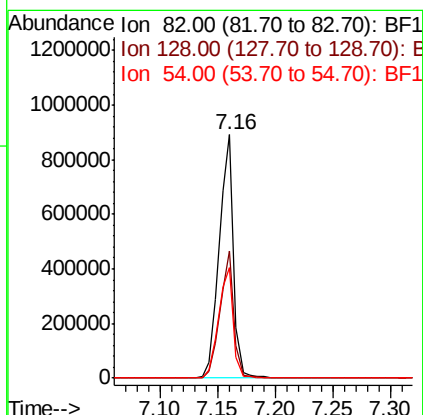
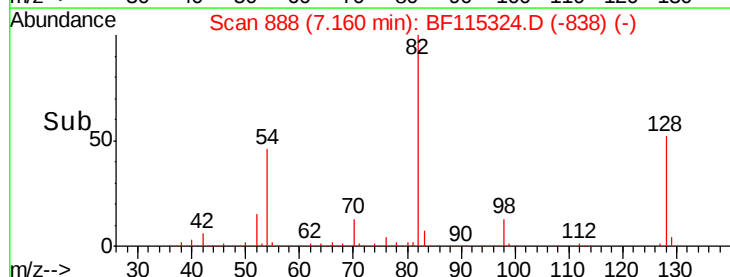
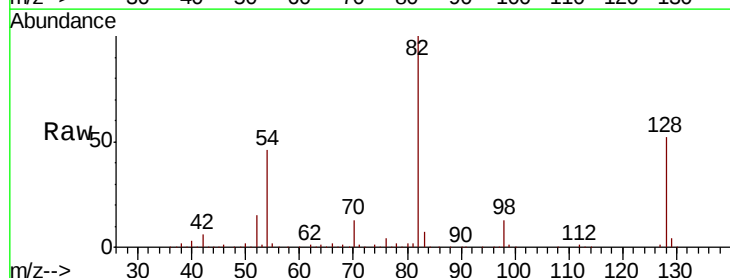
Instrument :
BNA_F
ClientSampleId :
RT-4651

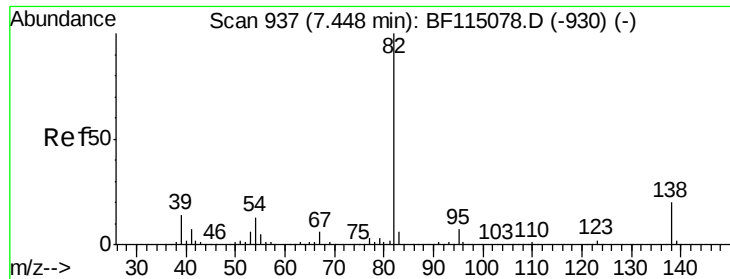
Tgt Ion:	136	Resp:	712626
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.9	5.6	8.4
68	6.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 66.423 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

Tgt Ion:	82	Resp:	769480
Ion	Ratio	Lower	Upper
82	100		
128	52.0	40.4	60.6
54	45.6	37.5	56.3





#25

Isophorone

Concen: 32.429 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Instrument :

BNA_F

ClientSampleId :

RT-4651

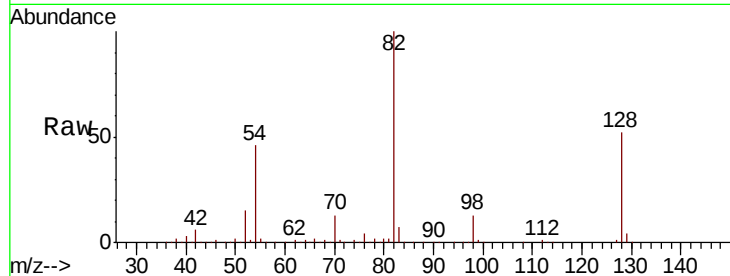
Tgt Ion: 82 Resp: 769574

Ion Ratio Lower Upper

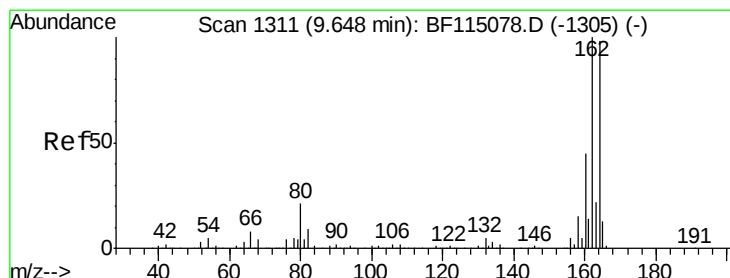
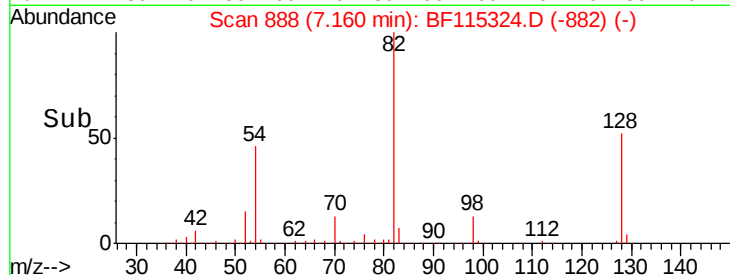
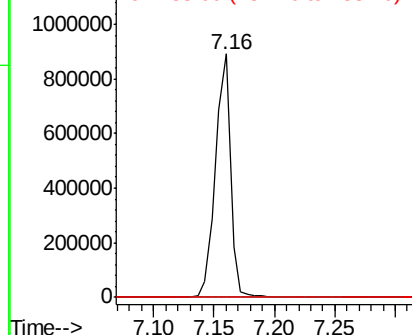
82 100

95 0.0 5.4 8.2#

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: 9.62 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

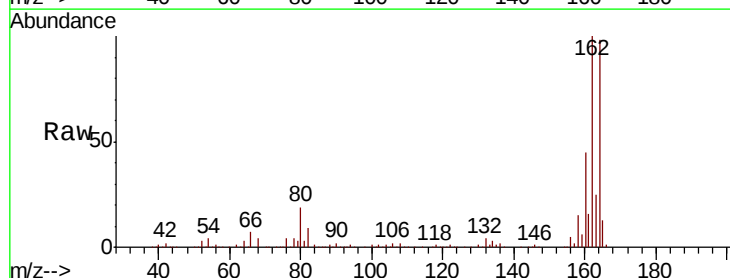
Tgt Ion: 164 Resp: 358406

Ion Ratio Lower Upper

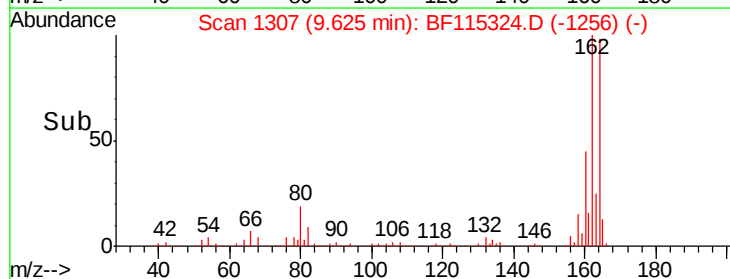
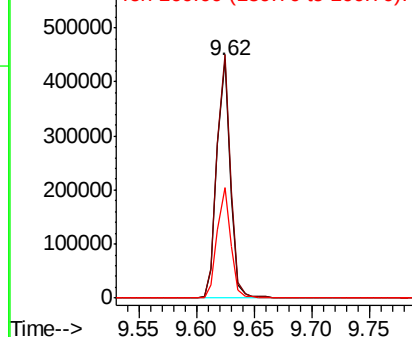
164 100

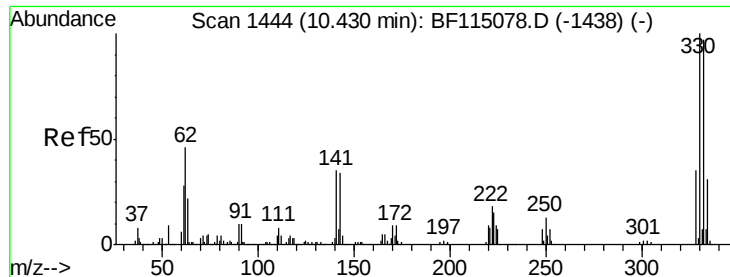
162 102.3 81.7 122.5

160 46.3 37.0 55.4



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

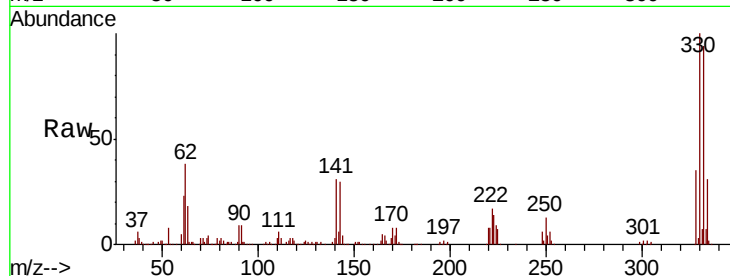




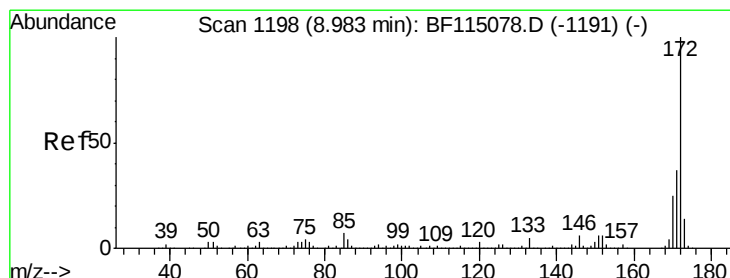
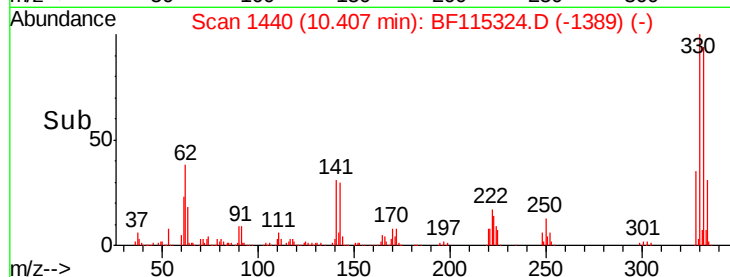
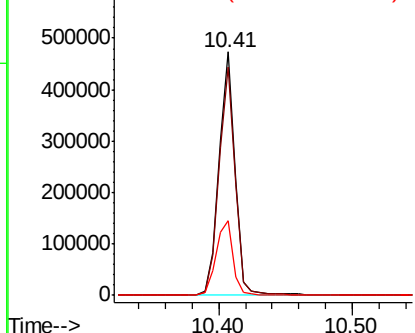
#42
 2,4,6-Tribromophenol
 Concen: 107.442 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115324.D
 Acq: 29 Jun 2019 15:47

Instrument :
 BNA_F
 ClientSampleId :
 RT-4651

Tgt Ion:330 Resp: 406081
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.3 115.9
 141 32.7 28.2 42.2

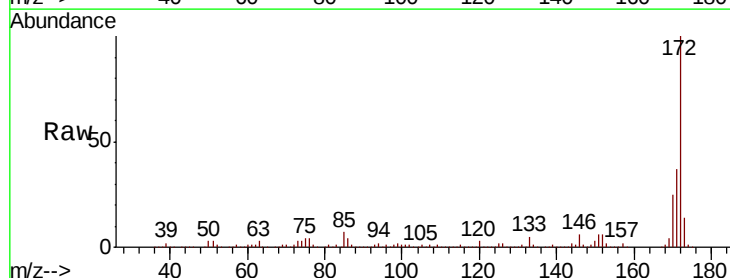


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

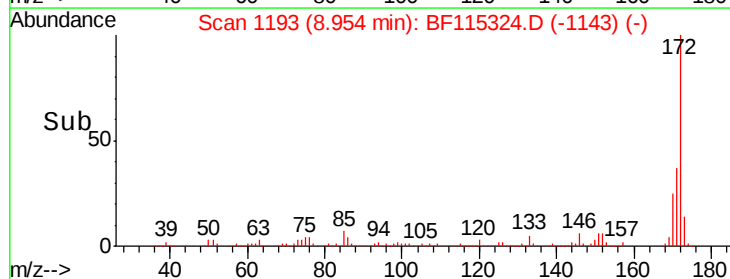
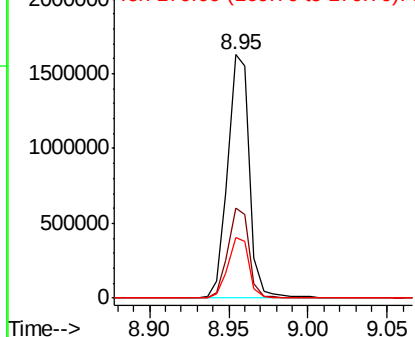


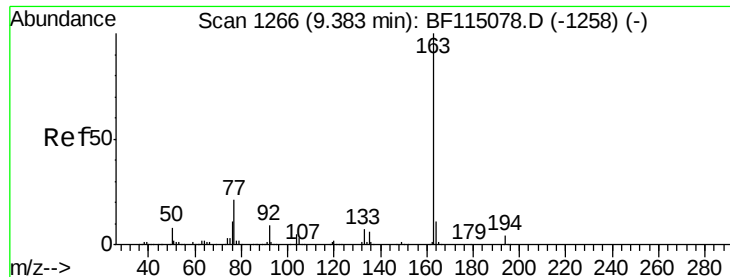
#45
 2-Fluorobiphenyl
 Concen: 73.623 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115324.D
 Acq: 29 Jun 2019 15:47

Tgt Ion:172 Resp: 1553424
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 24.7 20.3 30.5



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

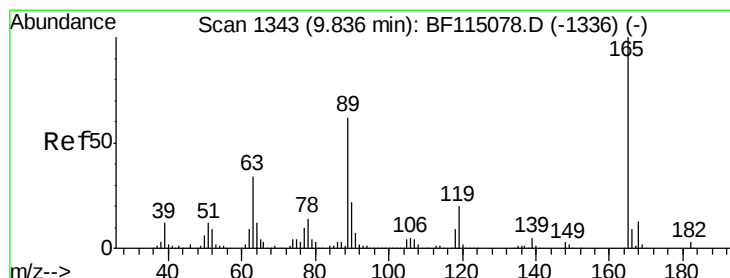
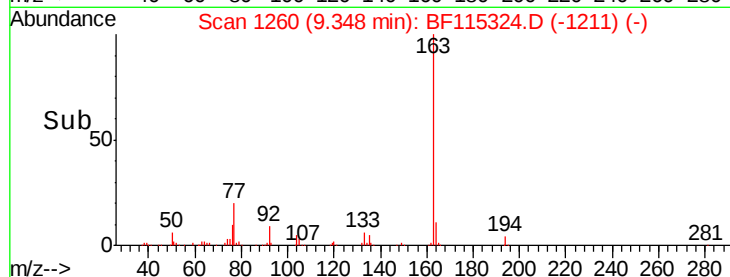
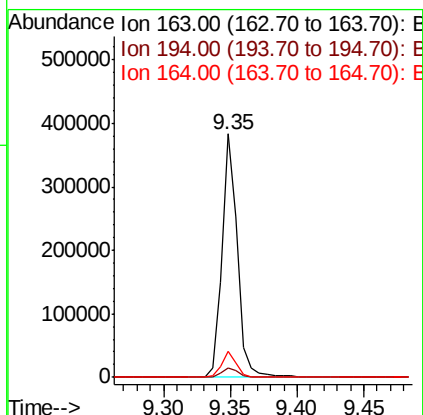
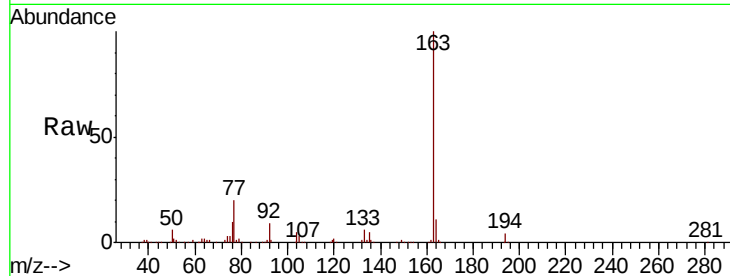




#50
Dimethylphthalate
Concen: 11.889 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

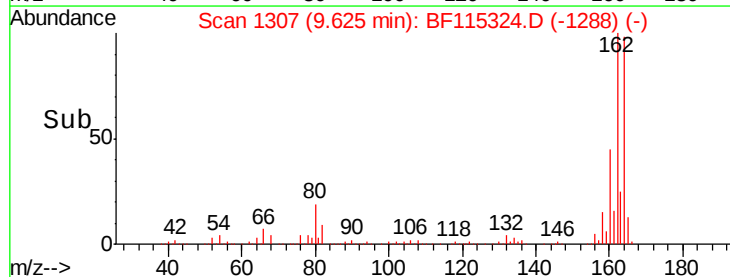
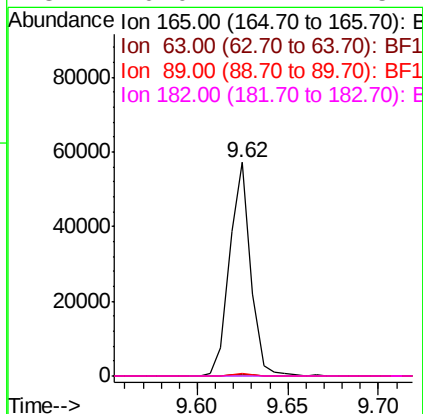
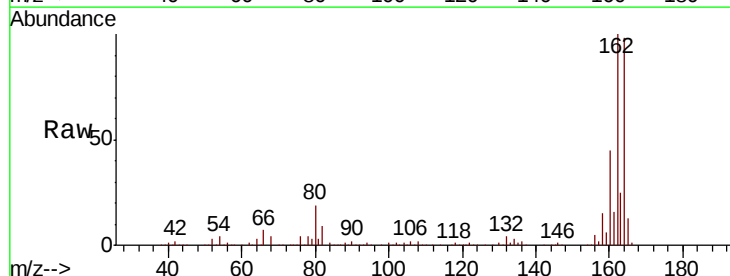
Instrument :
BNA_F
ClientSampled :
RT-4651

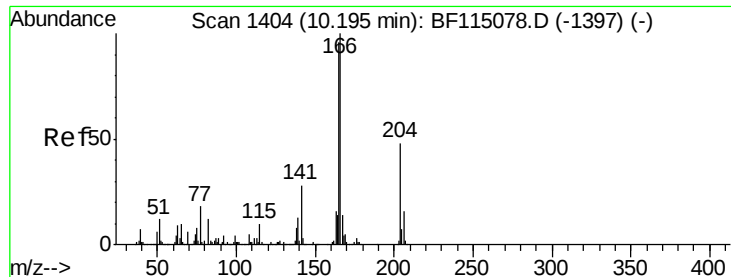
Tgt Ion:163 Resp: 313494
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.5 8.6 13.0



#57
2,4-Dinitrotoluene
Concen: 5.902 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

Tgt Ion:165 Resp: 46393
Ion Ratio Lower Upper
165 100
63 0.8 27.5 41.3#
89 1.2 49.9 74.9#
182 0.0 2.1 3.1#

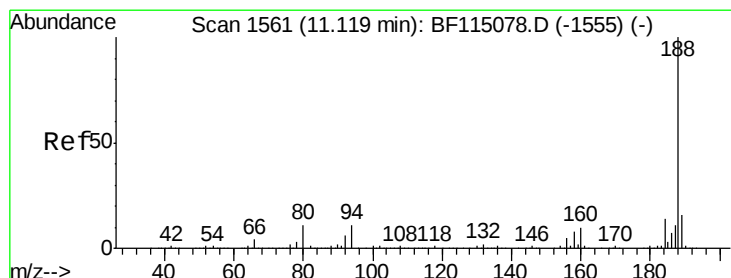
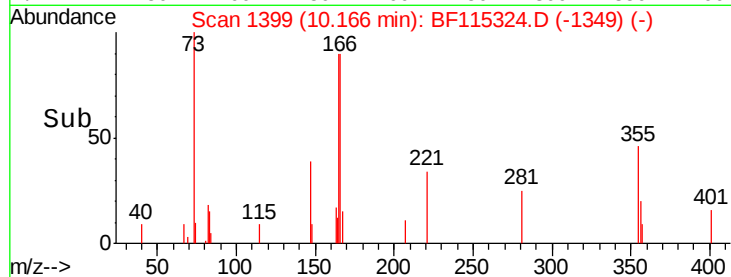
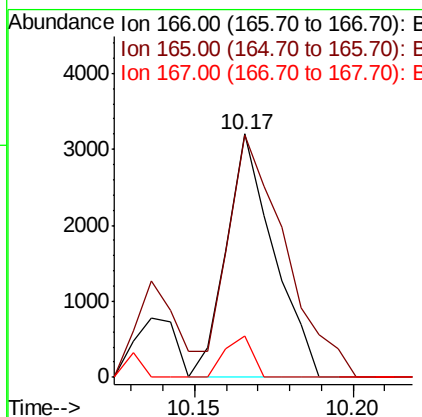
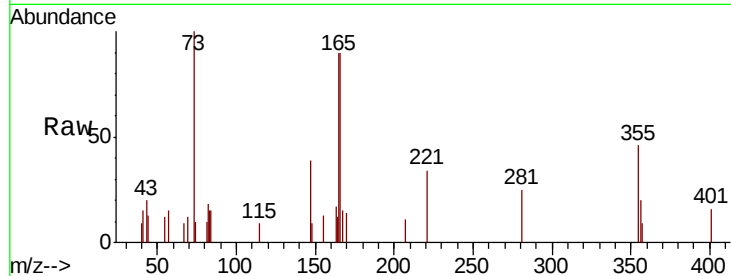




#58
Fluorene
 Concen: Below Cal
 RT: 10.17 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF115324.D
 Acq: 29 Jun 2019 15:47

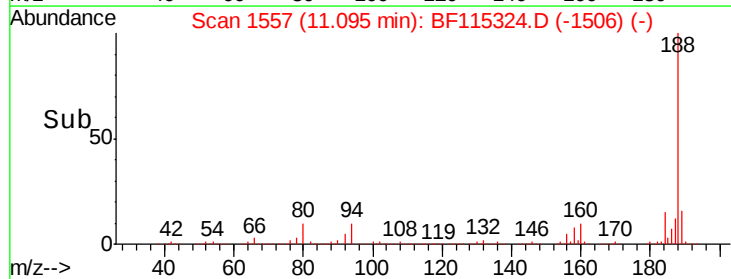
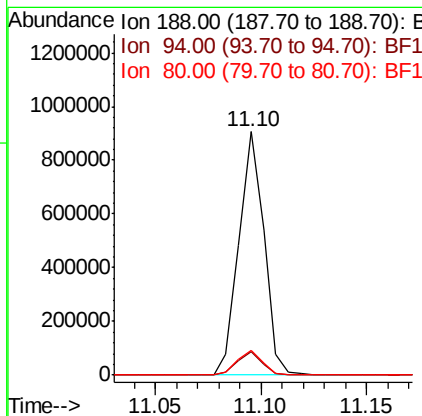
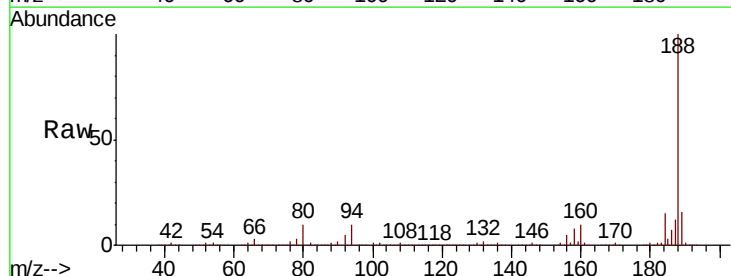
Instrument :
 BNA_F
 ClientSampleId :
 RT-4651

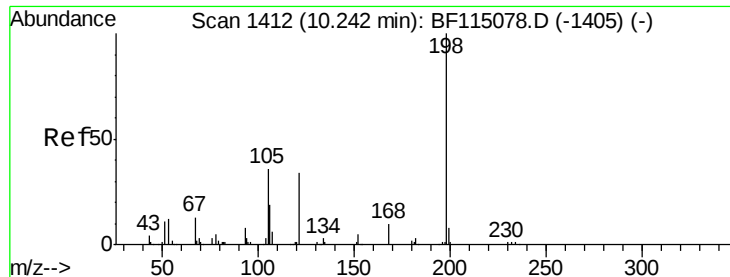
Tgt Ion:166 Resp: 3288
 Ion Ratio Lower Upper
 166 100
 165 99.8 76.5 114.7
 167 17.1 11.0 16.4#



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF115324.D
 Acq: 29 Jun 2019 15:47

Tgt Ion:188 Resp: 746279
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.6 12.8
 80 10.2 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.154 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Instrument :

BNA_F

ClientSampleId :

RT-4651

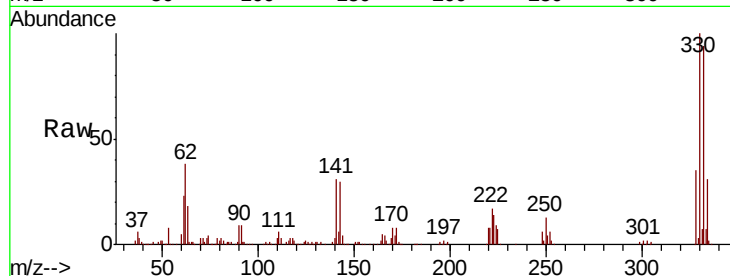
Tgt Ion:198 Resp: 859

Ion Ratio Lower Upper

198 100

51 164.1 11.0 51.0#

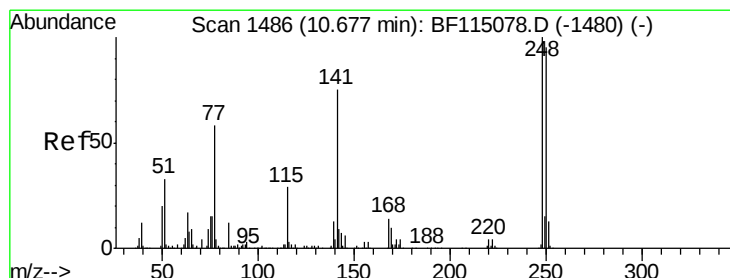
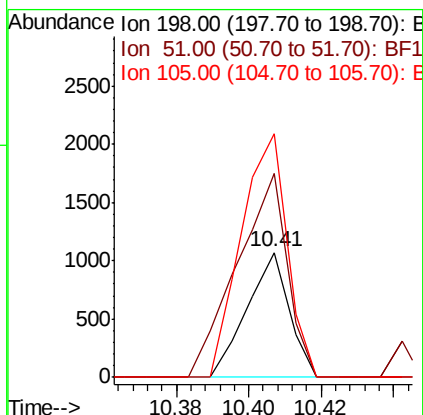
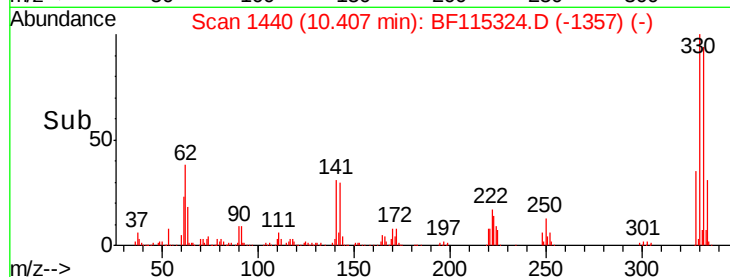
105 195.3 17.3 57.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.137 ng

RT: 10.41 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

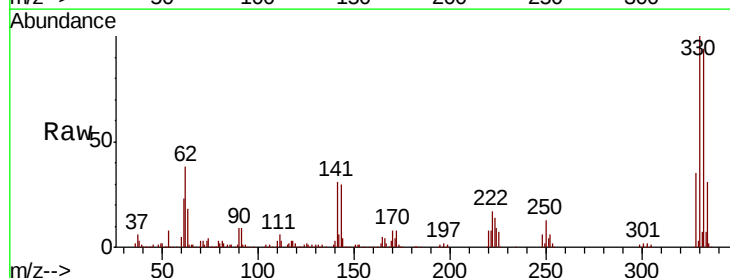
Tgt Ion:248 Resp: 25382

Ion Ratio Lower Upper

248 100

250 206.4 76.2 114.2#

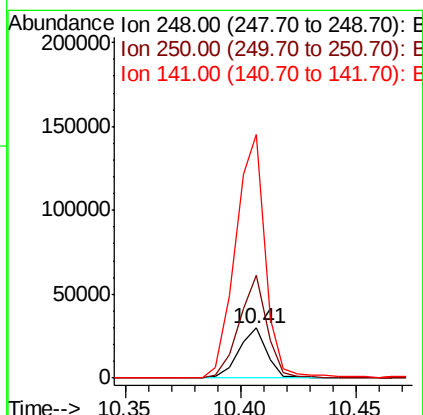
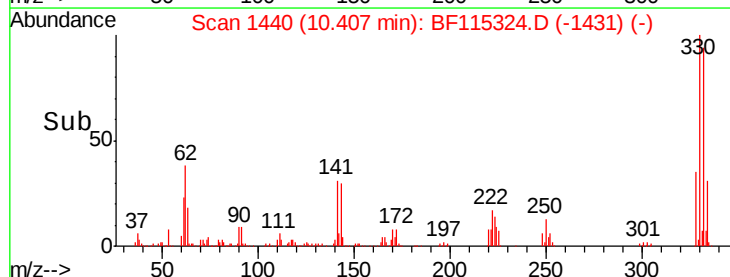
141 488.9 59.6 89.4#

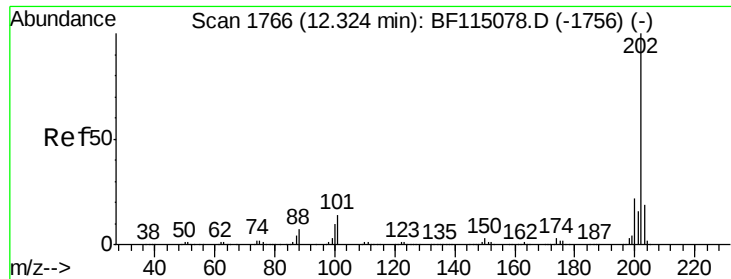


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 5.202 ng

RT: 12.30 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Instrument :

BNA_F

ClientSampleId :

RT-4651

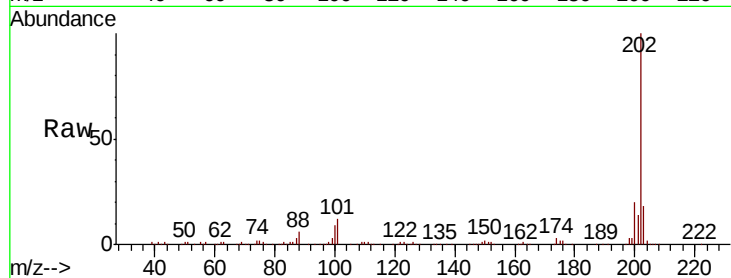
Tgt Ion: 202 Resp: 208546

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.0

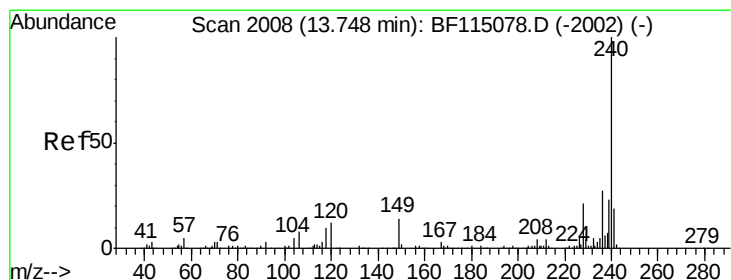
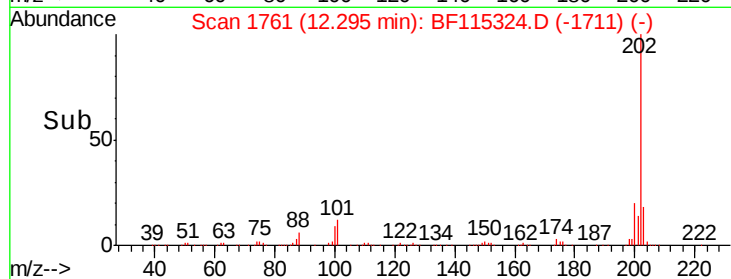
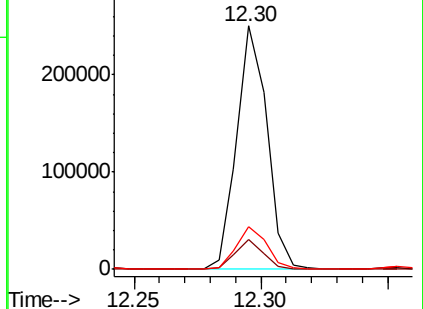
203 17.5 0.0 38.8



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: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

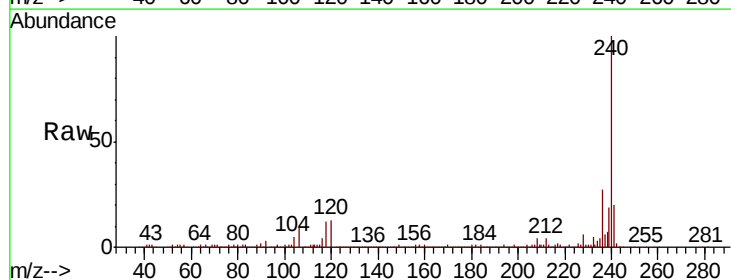
Tgt Ion: 240 Resp: 640490

Ion Ratio Lower Upper

240 100

120 13.4 9.4 14.2

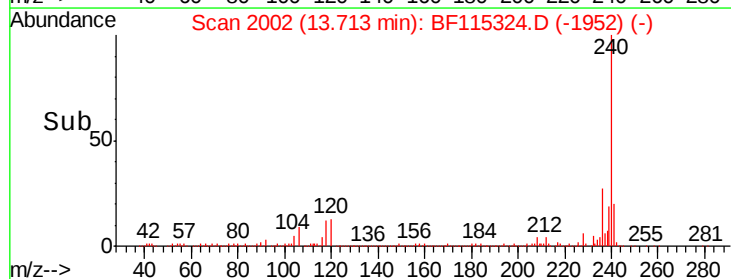
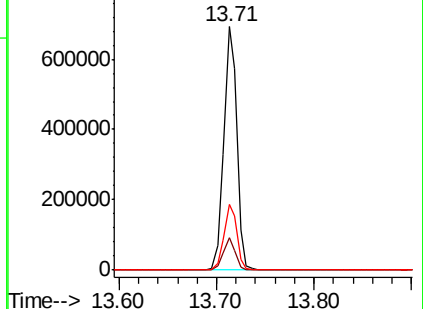
236 27.2 21.7 32.5

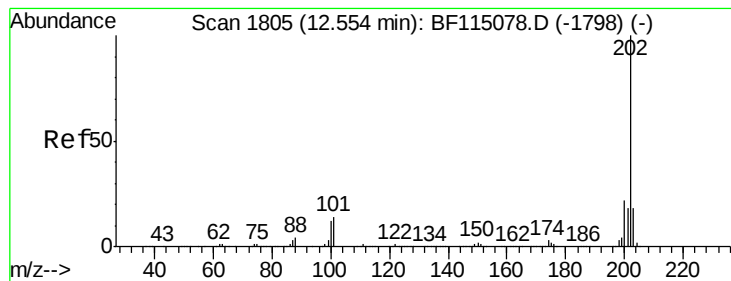


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.075 ng

RT: 12.52 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Instrument :

BNA_F

ClientSampleId :

RT-4651

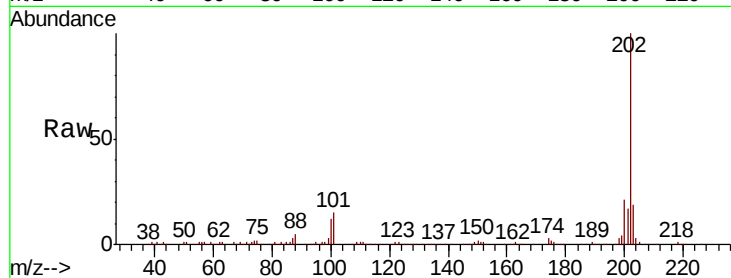
Tgt Ion: 202 Resp: 200594

Ion Ratio Lower Upper

202 100

200 21.0 17.9 26.9

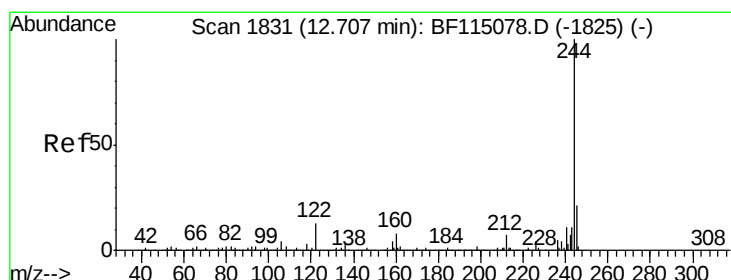
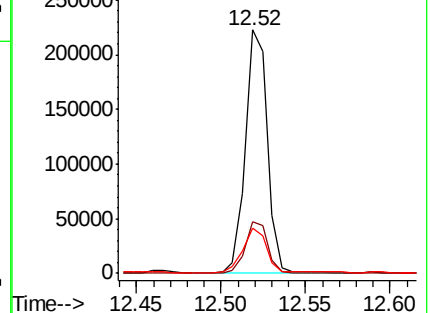
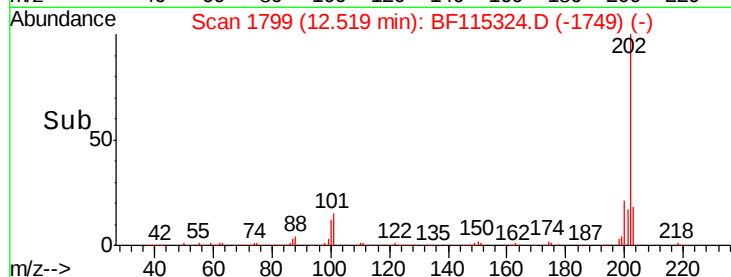
203 18.7 14.6 21.8



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: 63.158 ng

RT: 12.68 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

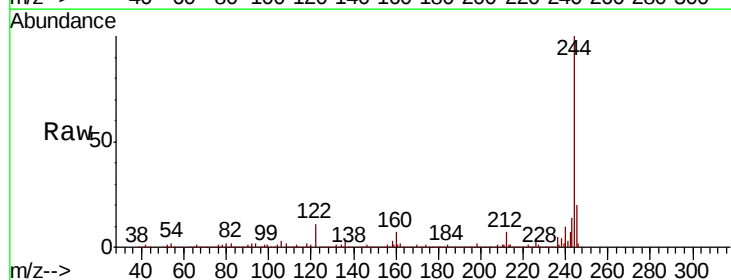
Tgt Ion: 244 Resp: 1902584

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

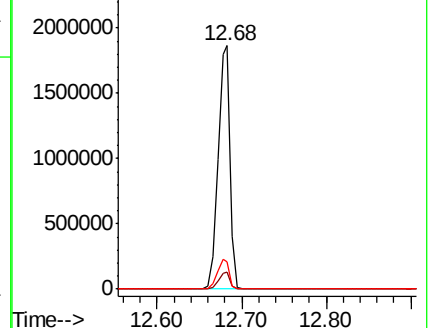
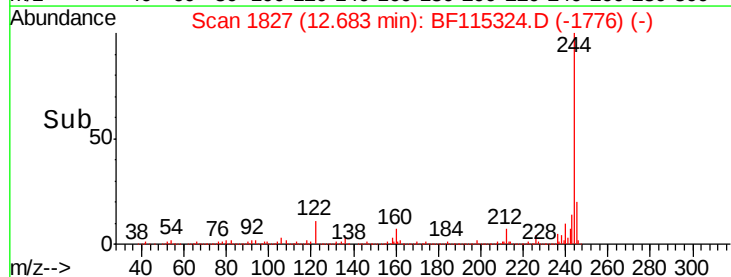
122 11.1 10.4 15.6

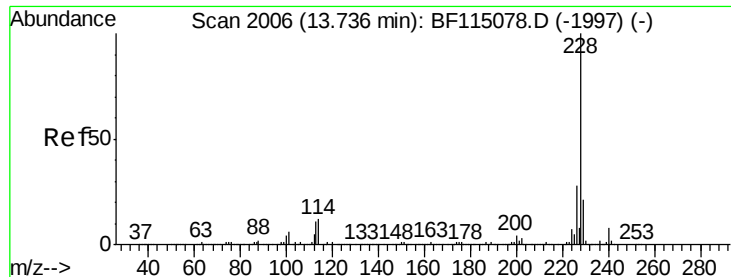


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

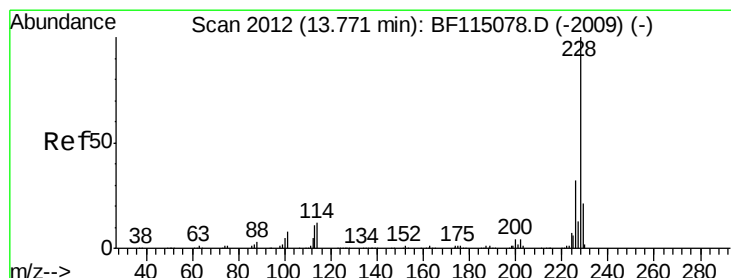
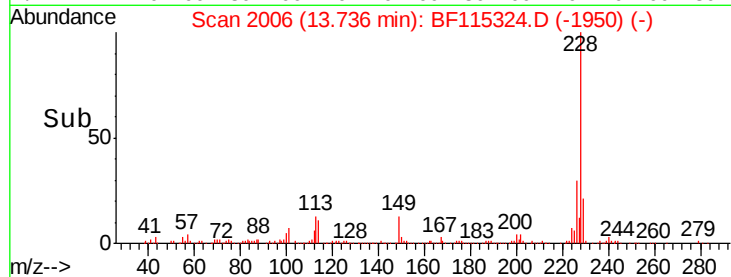
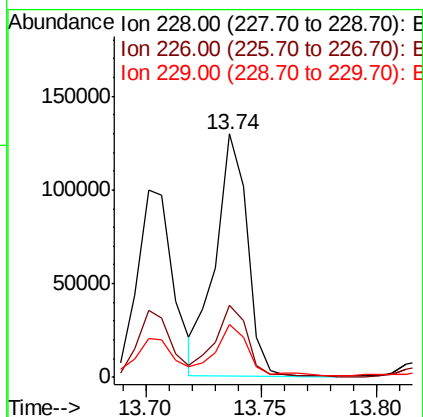
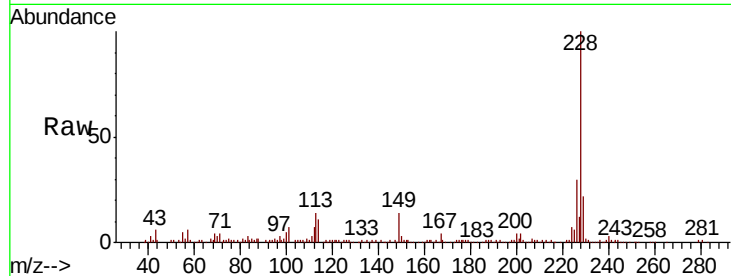




#81
Benzo(a)anthracene
Concen: 2.690 ng
RT: 13.74 min Scan# 2006
Delta R.T. 0.03 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

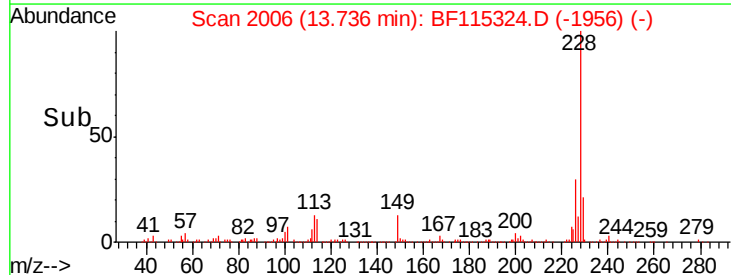
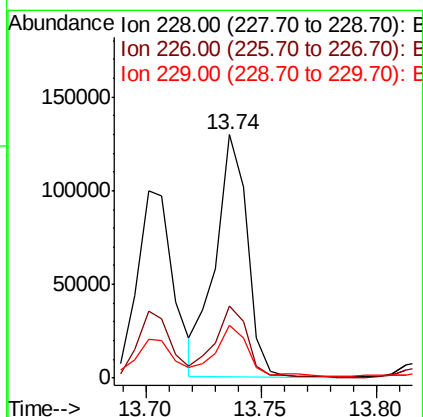
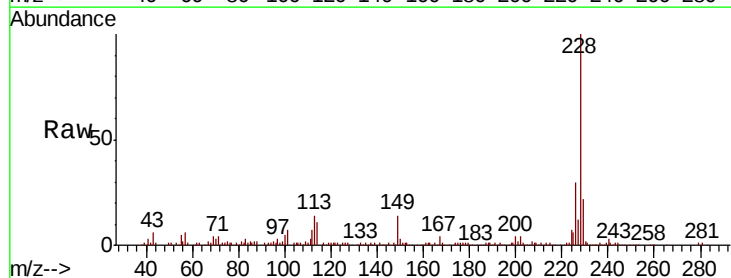
Instrument :
BNA_F
ClientSampleId :
RT-4651

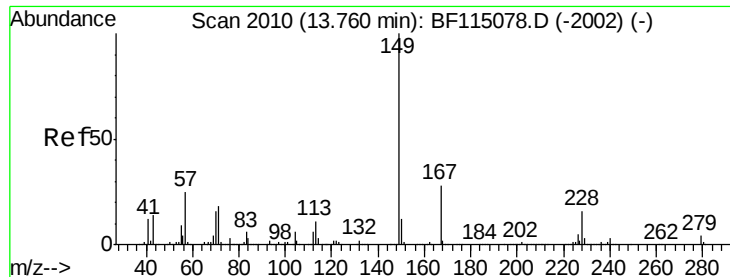
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.5	33.7
229	21.6	16.6	24.8



#83
Chrysene
Concen: 2.936 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.0
229	21.6	16.5	24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.484 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Instrument :

BNA_F

ClientSampleId :

RT-4651

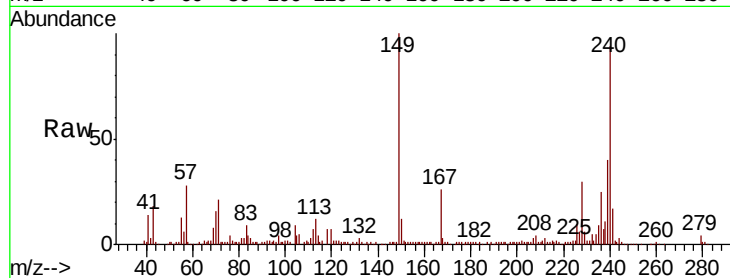
Tgt Ion:149 Resp: 99175

Ion Ratio Lower Upper

149 100

167 26.2 22.2 33.4

279 3.6 2.9 4.3

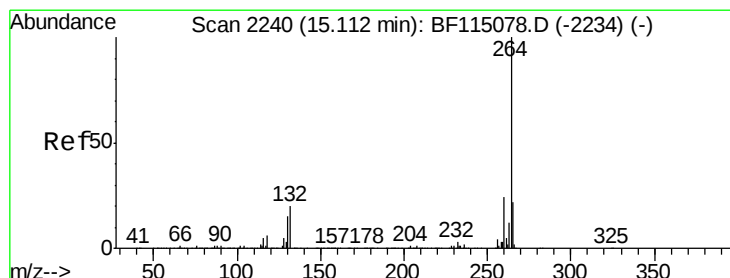
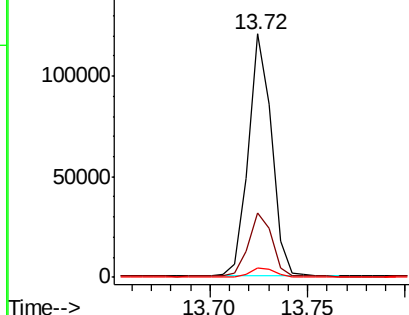
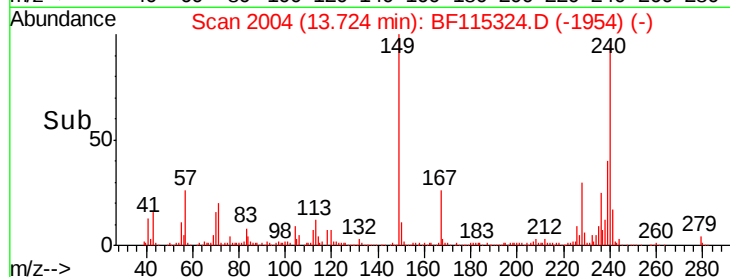


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.08 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

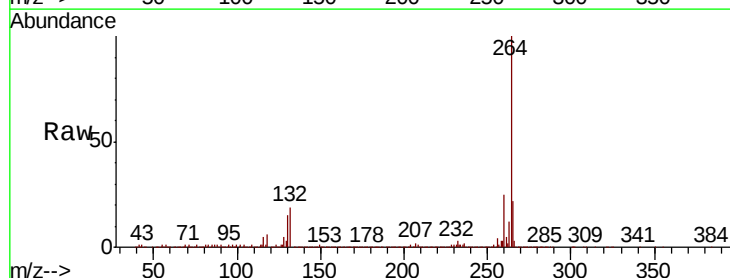
Tgt Ion:264 Resp: 650305

Ion Ratio Lower Upper

264 100

260 24.7 19.6 29.4

265 22.3 17.3 25.9

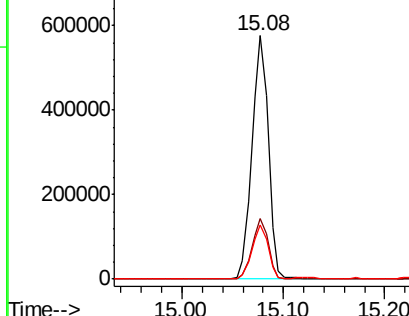
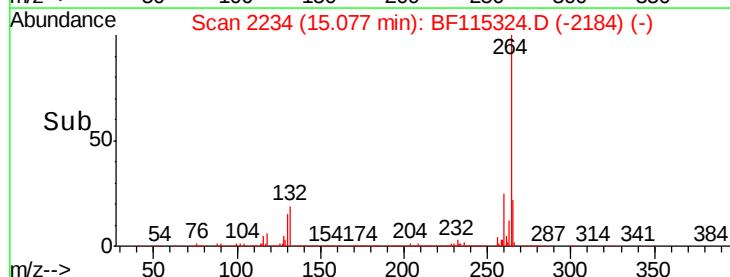


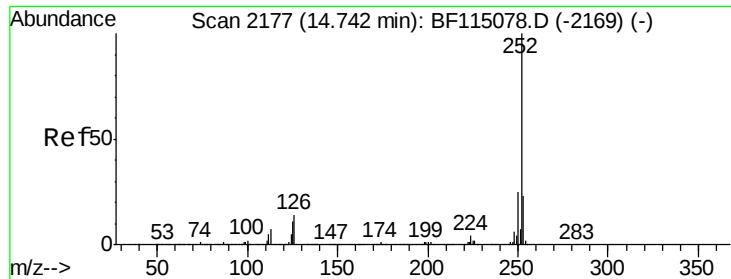
Abundance

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

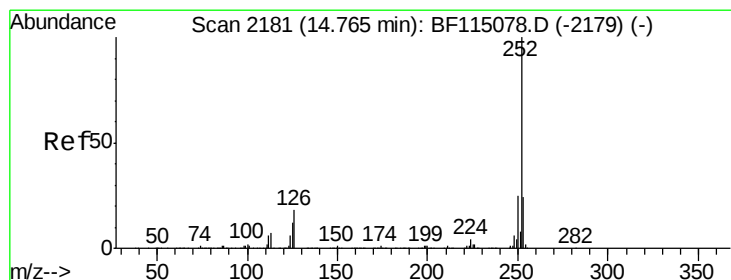
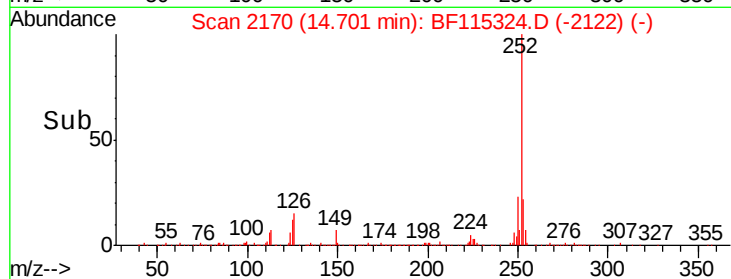
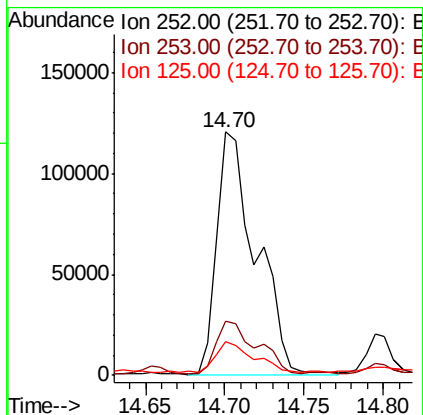
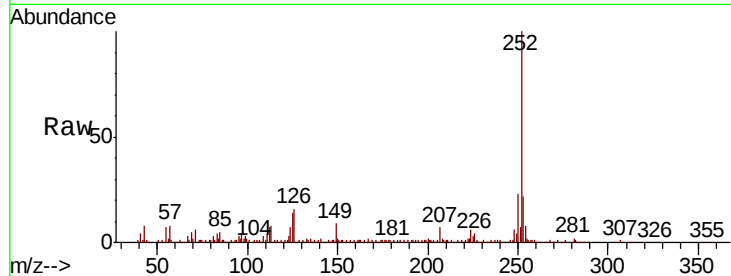




#88
Benzo(b)fluoranthene
Concen: 5.096 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

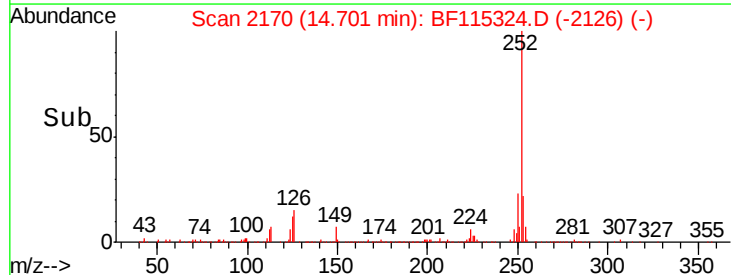
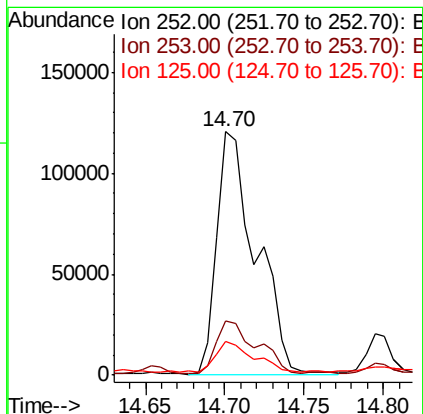
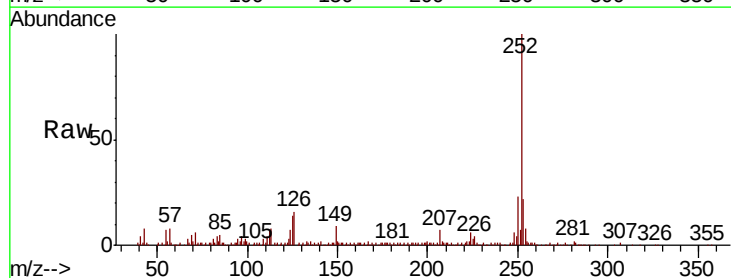
Instrument :
BNA_F
ClientSampleId :
RT-4651

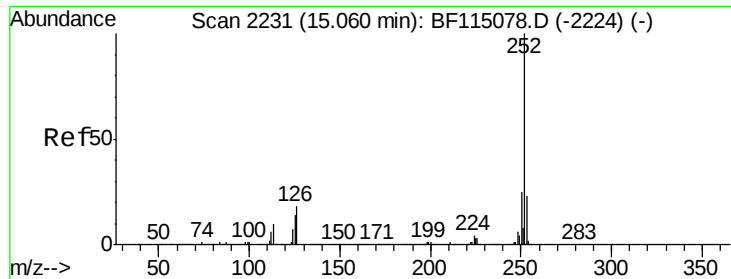
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	13.7	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 5.682 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.04 min
Lab File: BF115324.D
Acq: 29 Jun 2019 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.9	28.3
125	13.7	10.2	15.2





#90

Benzo(a)pyrene

Concen: 2.799 ng

RT: 15.02 min Scan# 2224

Delta R.T. -0.02 min

Lab File: BF115324.D

Acq: 29 Jun 2019 15:47

Instrument :

BNA_F

ClientSampleId :

RT-4651

Tgt Ion:252 Resp: 102361

Ion Ratio Lower Upper

252 100

253 22.5 18.3 27.5

125 13.7 10.9 16.3

