

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115675.D
 Acq On : 19 Jul 2019 15:14
 Operator : HP/JU
 Sample : K3874-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 15:43:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	178861	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	650380	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	265946	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	421898	20.00	ng	0.00
76) Chrysene-d12	14.05	240	338285	20.00	ng	0.00
87) Perylene-d12	15.53	264	297673	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	724314	66.24	ng	0.00
7) Phenol-d6	6.51	99	931487	67.13	ng	0.00
23) Nitrobenzene-d5	7.44	82	553028	49.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	172153	55.46	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	957688	63.03	ng	-0.01
79) Terphenyl-d14	12.99	244	785158	42.83	ng	-0.01

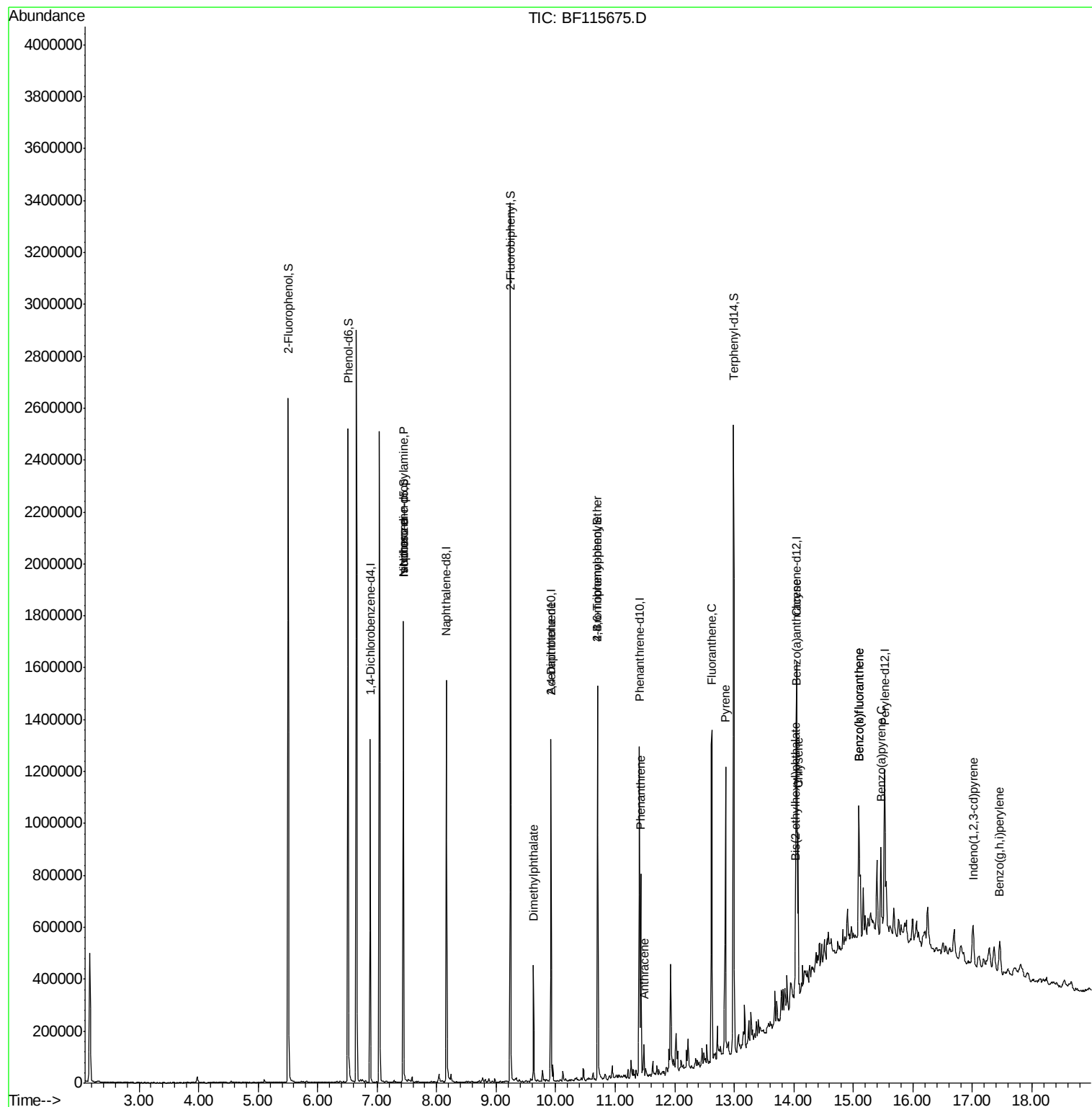
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	73888	8.165	ng	# 79
25) Isophorone	7.44	82	544825	24.342	ng	# 64
50) Dimethylphthalate	9.63	163	159797	7.986	ng	99
57) 2,4-Dinitrotoluene	9.92	165	33962	5.765	ng	# 24
67) 4-Bromophenyl-phenylether	10.70	248	10511	2.180	ng	# 1
71) Phenanthrene	11.43	178	249488	11.536	ng	96
72) Anthracene	11.48	178	45621	2.041	ng	98
75) Fluoranthene	12.62	202	515455	22.555	ng	99
78) Pyrene	12.85	202	459571	16.035	ng	97
81) Benzo(a)anthracene	14.03	228	234899	10.540	ng	99
83) Chrysene	14.07	228	246315	11.010	ng	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	36225	2.394	ng	100
86) Indeno(1,2,3-cd)pyrene	17.00	276	104477	5.497	ng	96
88) Benzo(b)fluoranthene	15.09	252	369483	19.276	ng	97
89) Benzo(k)fluoranthene	15.09	252	369483	21.621	ng	98
90) Benzo(a)pyrene	15.46	252	166369	10.099	ng	97
92) Benzo(a,h,i)perylene	17.46	276	103486	7.174	ng	96

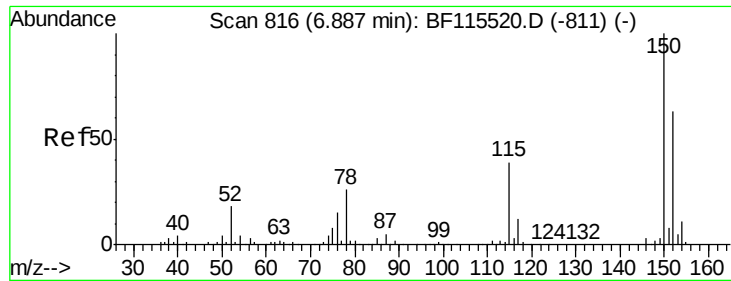
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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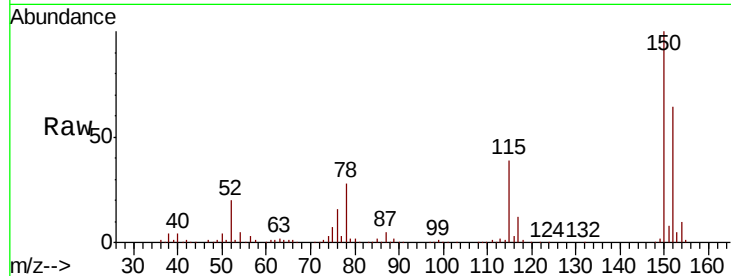


#1

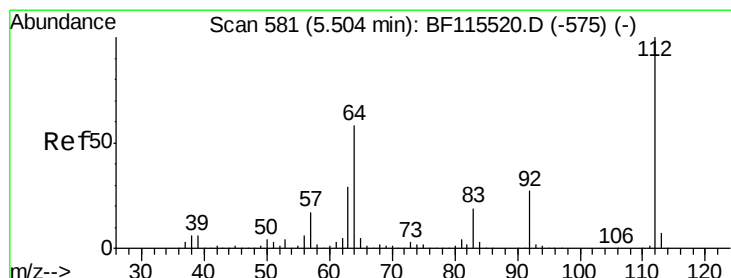
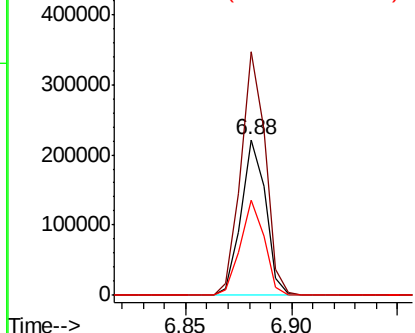
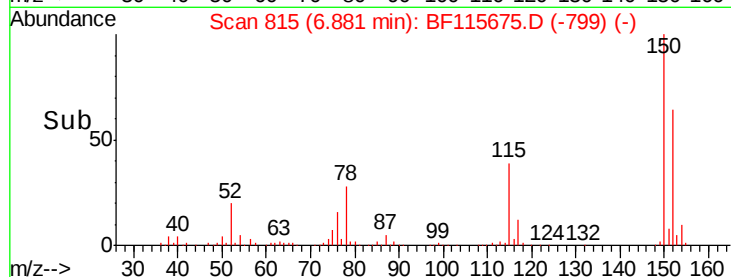
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 178861
 Ion Ratio Lower Upper
 152 100
 150 156.2 129.7 194.5
 115 61.2 48.2 72.4



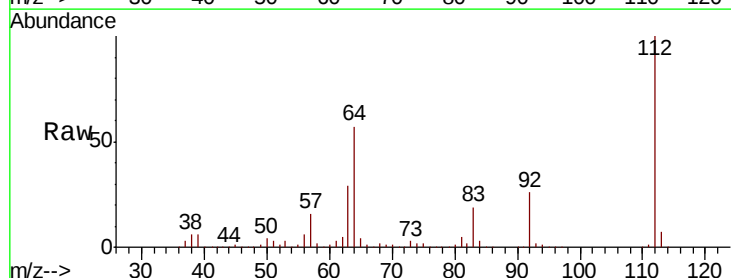
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



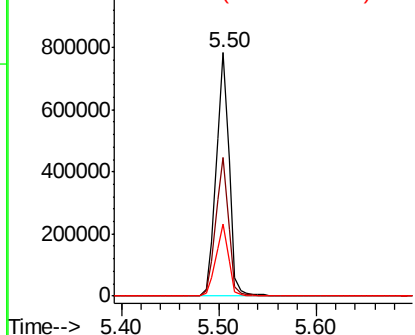
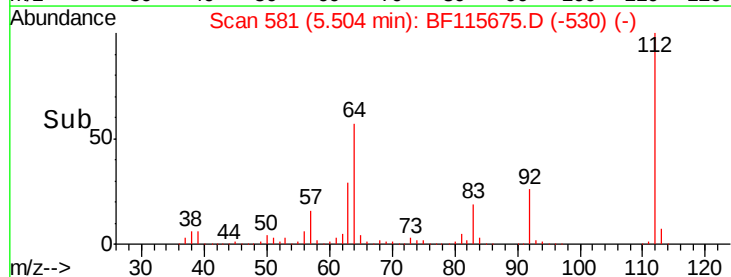
#5

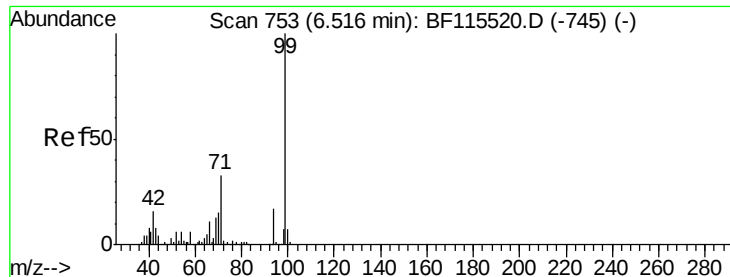
2-Fluorophenol
 Concen: 66.240 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Tgt Ion:112 Resp: 724314
 Ion Ratio Lower Upper
 112 100
 64 57.0 46.8 70.2
 63 29.4 24.1 36.1



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: 67.134 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

Instrument :

BNA_F

ClientSampleId :

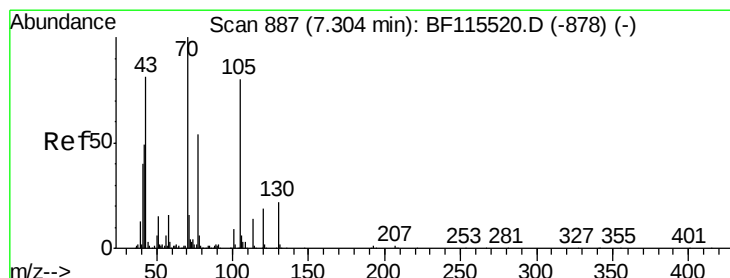
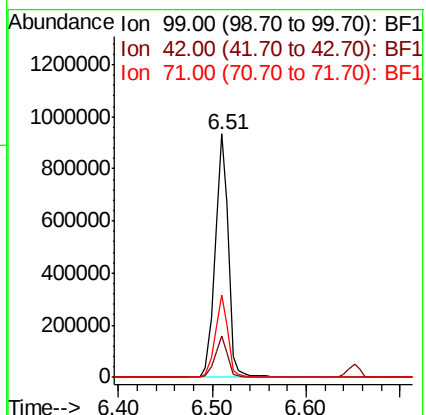
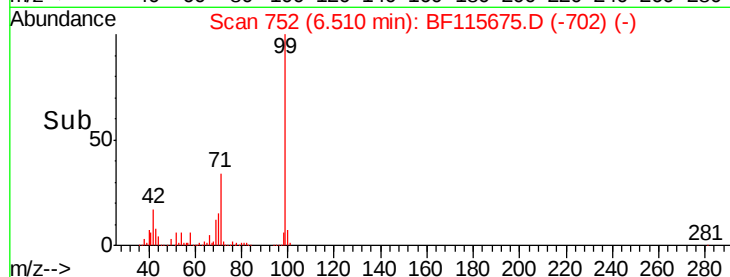
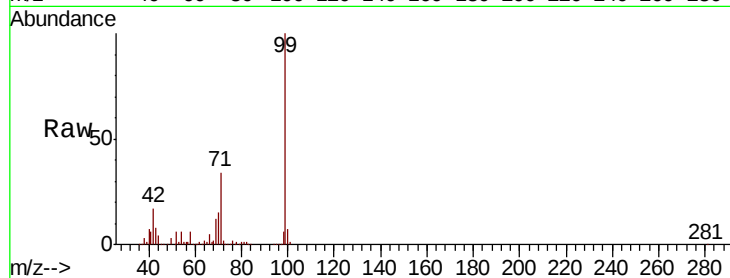
Tot Ion: 99 Resp: 931487

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

71 33.6 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.165 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

Tgt Ion: 70 Resp: 73888

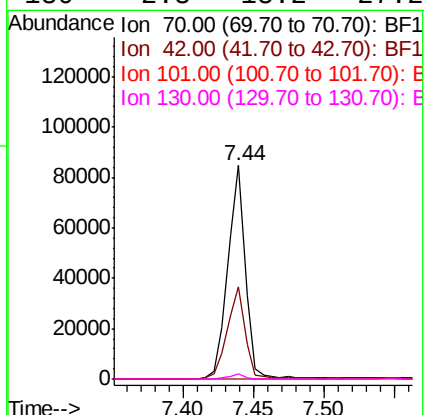
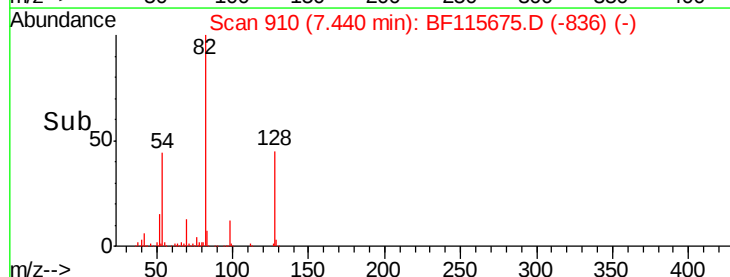
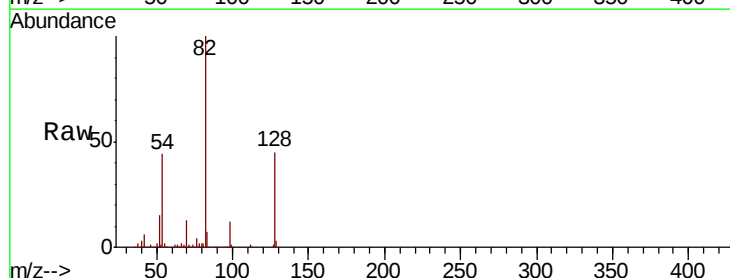
Ion Ratio Lower Upper

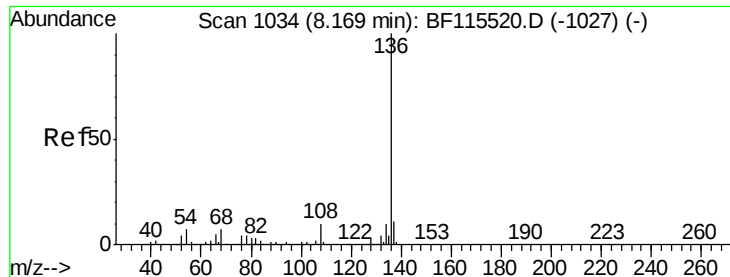
70 100

42 43.0 39.6 59.4

101 0.0 8.1 12.1#

130 2.3 18.2 27.2#

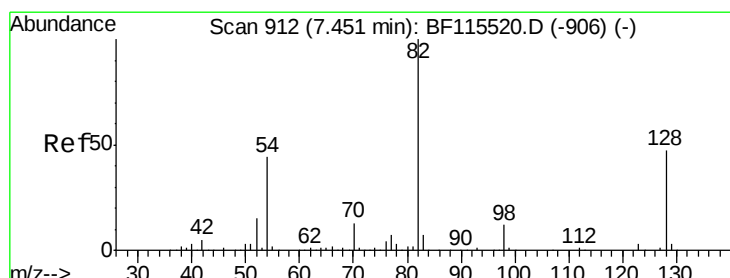
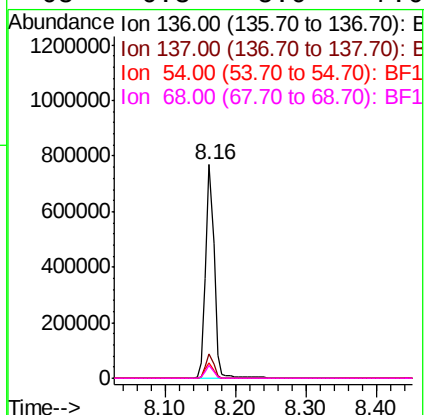
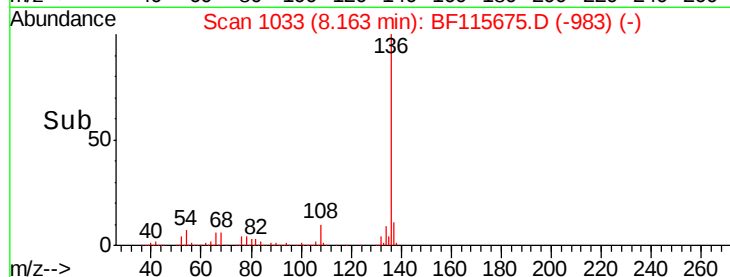
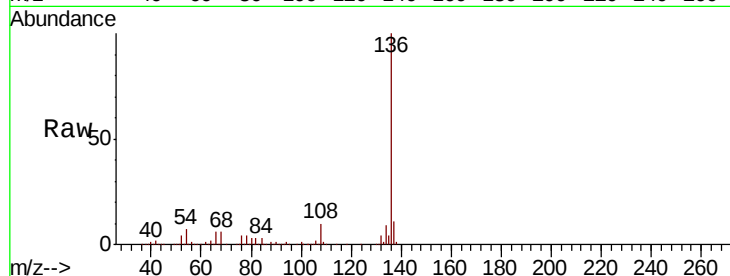




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

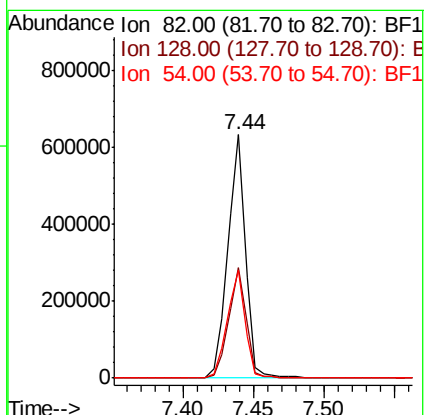
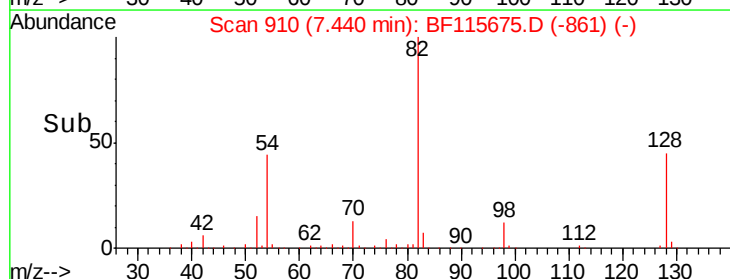
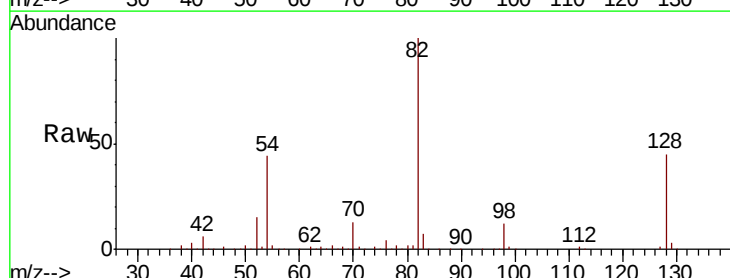
Instrument :
BNA_F
ClientSampled :

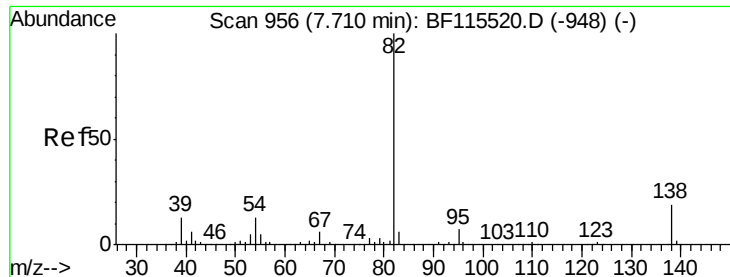
Tot Ion:136	Resp: 650380
Ion Ratio	Lower Upper
136 100	
137 11.4	9.0 13.4
54 7.1	5.6 8.4
68 6.3	5.0 7.6



#23
Nitrobenzene-d5
Concen: 49.443 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

Tgt	Ion: 82	Resp:	553028
Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.6	57.8
54	44.1	35.6	53.4





#25

Isophorone

Concen: 24.342 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

Instrument :

BNA_F

ClientSampleId :

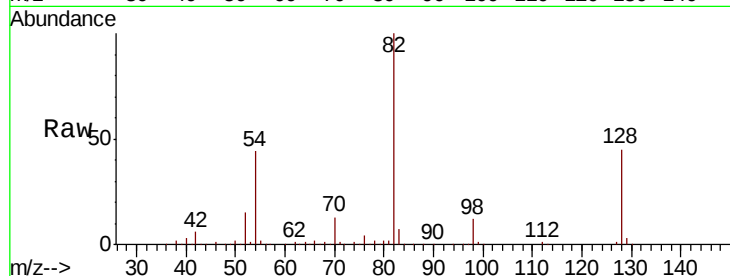
Tot Ion: 82 Resp: 544825

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF115520.D (-948) (-)

Ion 95.00 (94.70 to 95.70): BF115520.D (-948) (-)

Ion 138.00 (137.70 to 138.70): BF115520.D (-948) (-)

7.44

600000

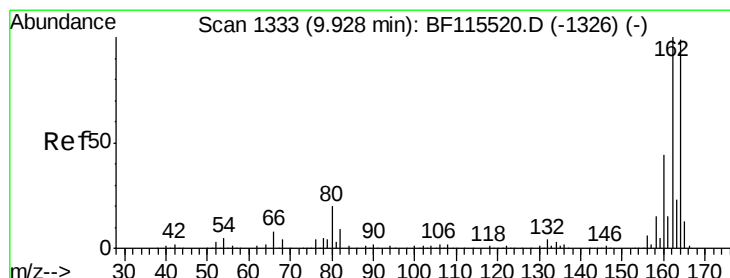
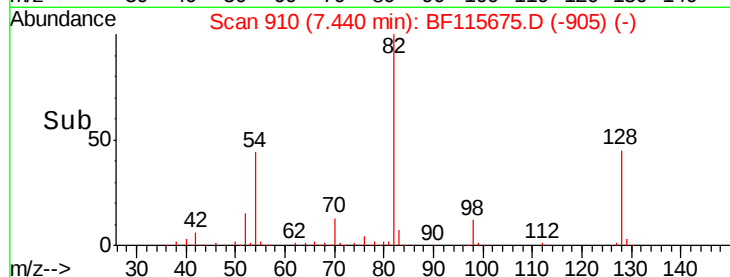
400000

200000

0

7.40 7.45 7.50

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

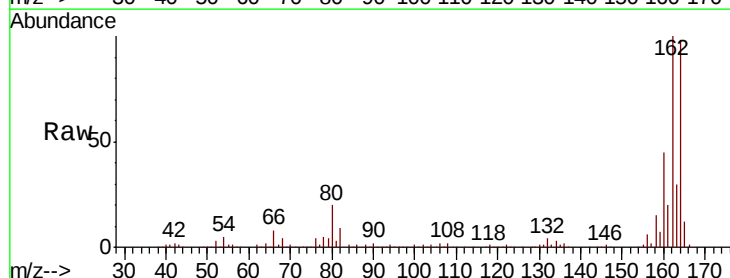
Tgt Ion: 164 Resp: 265946

Ion Ratio Lower Upper

164 100

162 102.5 82.9 124.3

160 46.6 36.8 55.2



Abundance Ion 164.00 (163.70 to 164.70): BF115520.D (-1326) (-)

Ion 162.00 (161.70 to 162.70): BF115520.D (-1326) (-)

Ion 160.00 (159.70 to 160.70): BF115520.D (-1326) (-)

9.92

400000

300000

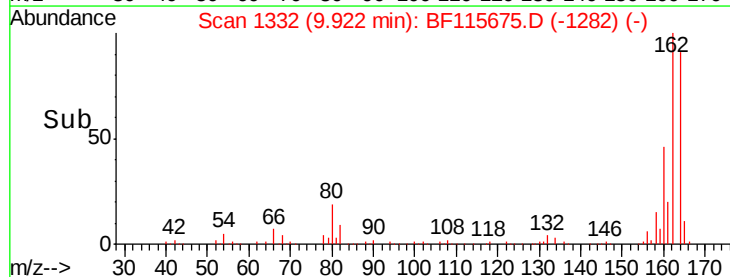
200000

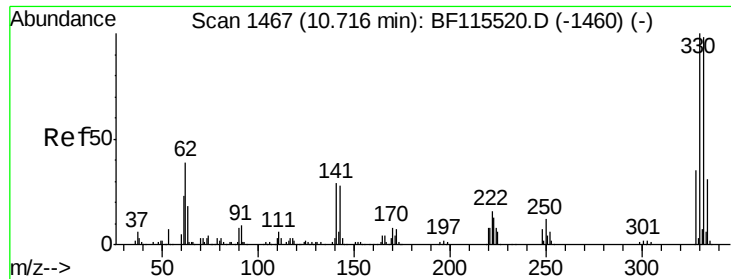
100000

0

9.90 10.00

Time-->

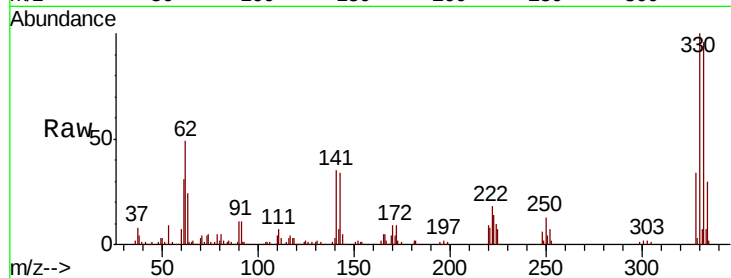




#42
 2,4,6-Tribromophenol
 Concen: 55.457 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	33.7	22.4	33.6

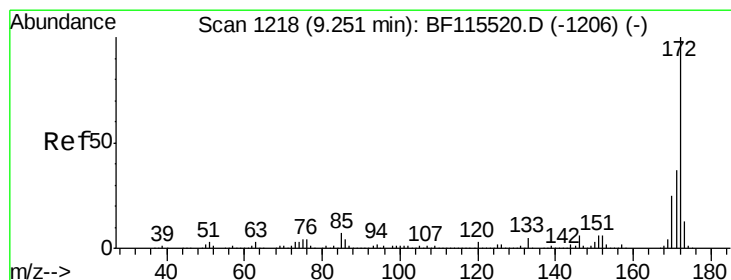
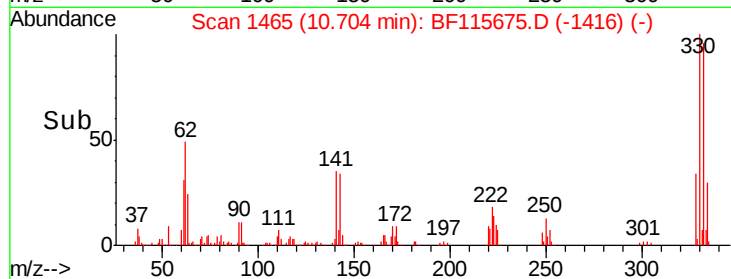
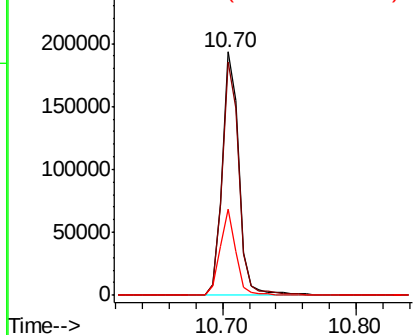


Abundance

Ion 329.80 (329.50 to 330.50): E

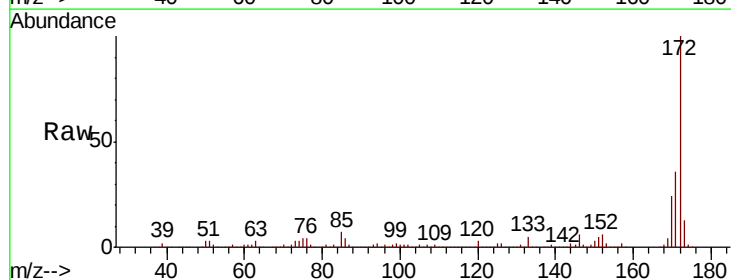
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 63.029 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.6	46.0
170	24.4	20.5	30.7

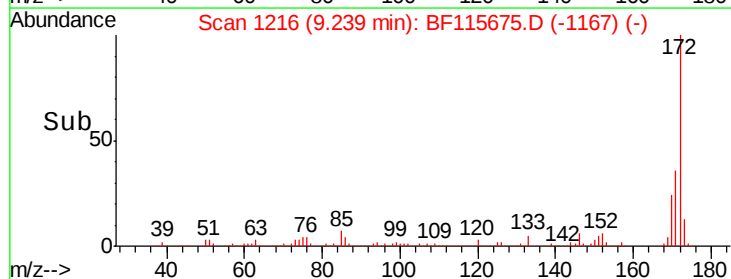
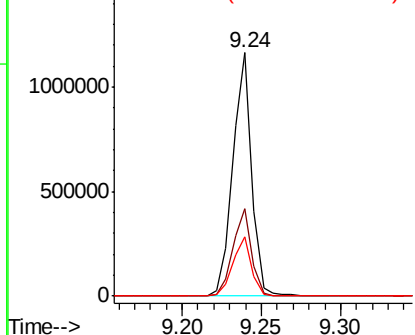


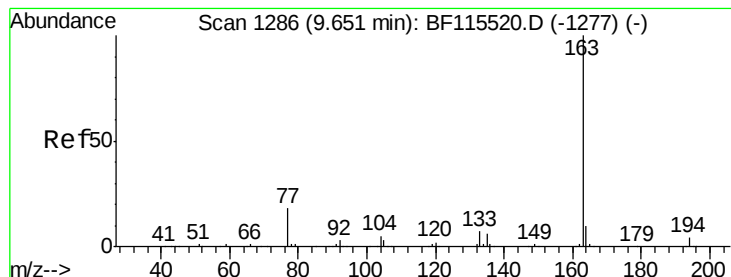
Abundance

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: 7.986 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

Instrument :

BNA_F

ClientSampled :

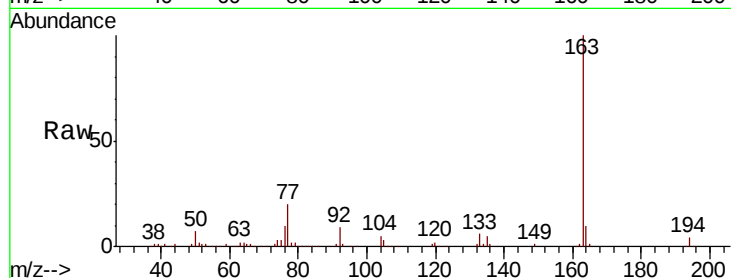
Tot Ion:163 Resp: 159797

Ion Ratio Lower Upper

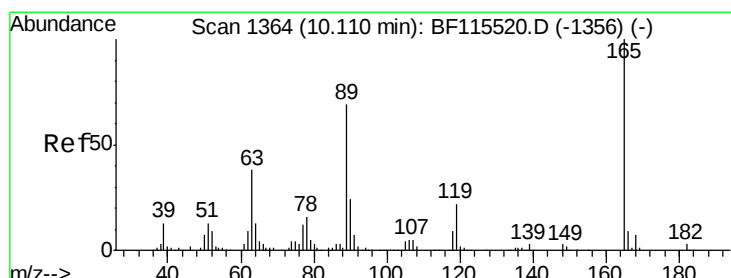
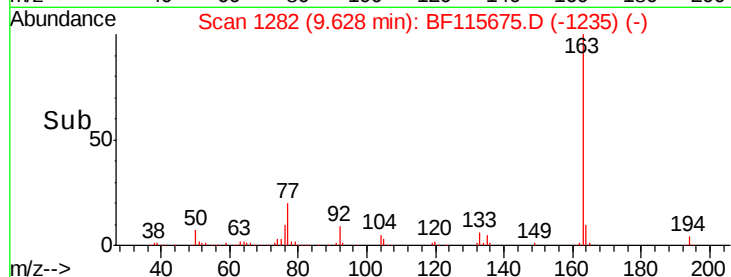
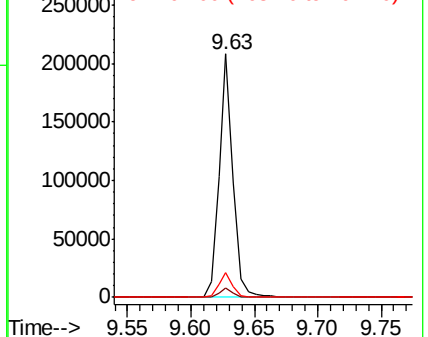
163 100

194 4.1 3.3 4.9

164 10.3 8.7 13.1



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: 5.765 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

Tgt Ion:165 Resp: 33962

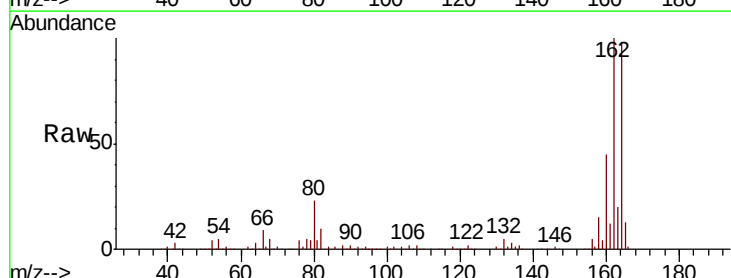
Ion Ratio Lower Upper

165 100

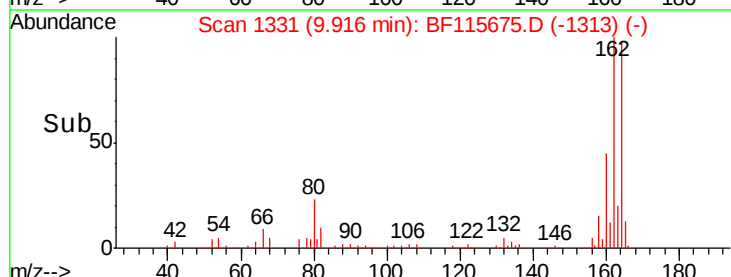
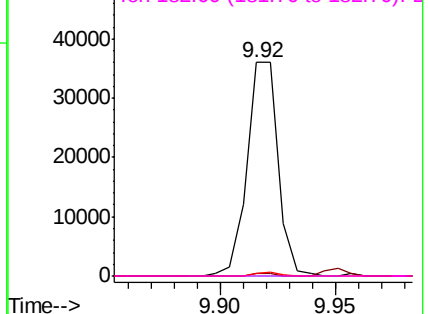
63 1.3 34.9 52.3#

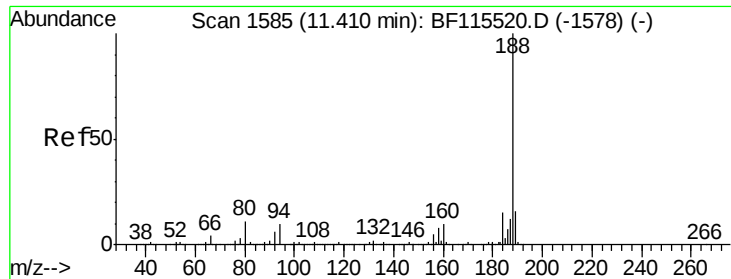
89 1.2 57.5 86.3#

182 0.0 2.2 3.4#



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

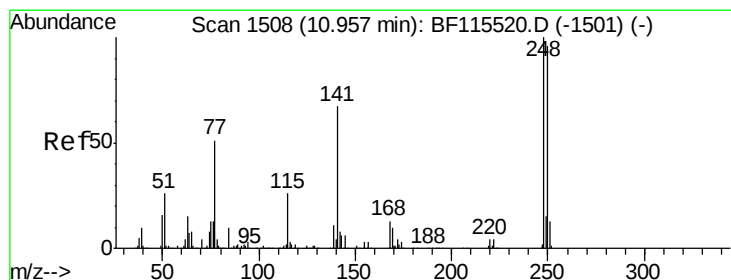
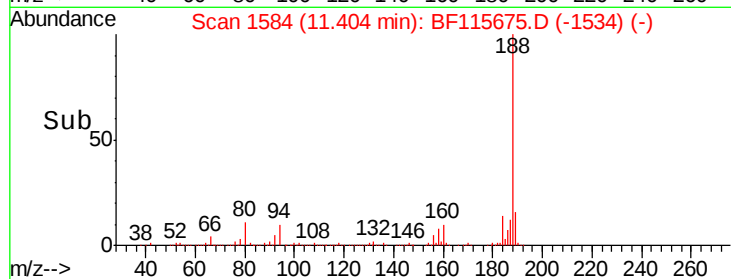
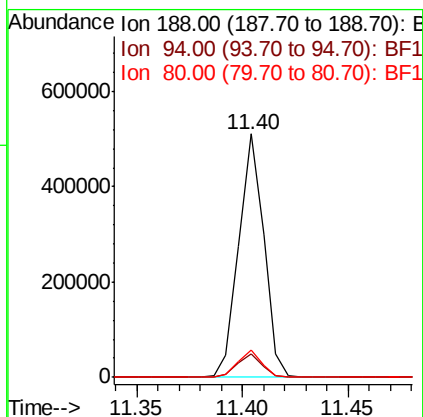
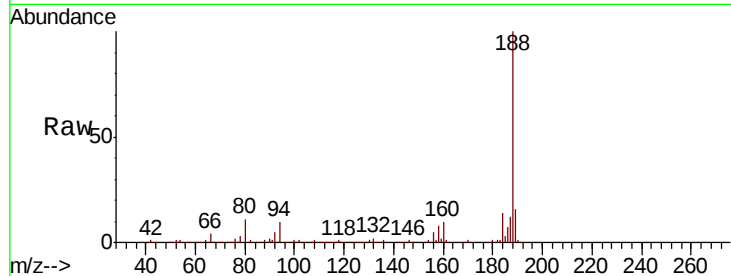




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

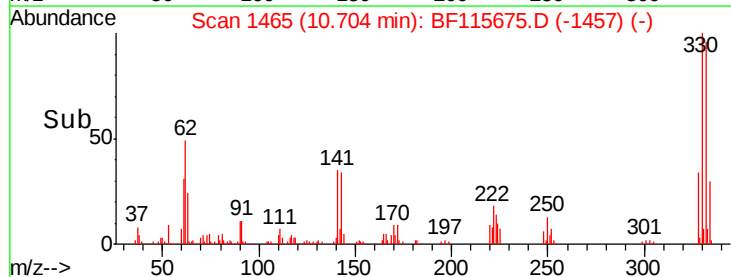
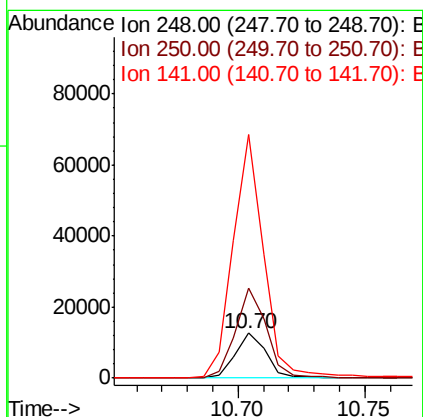
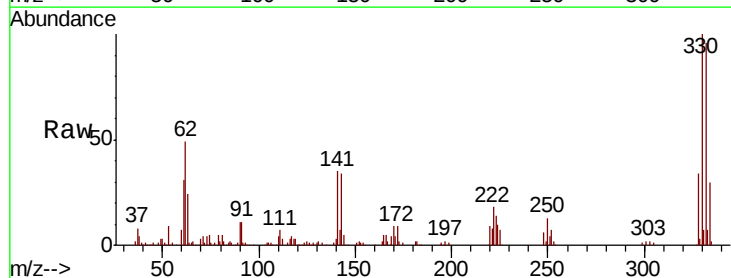
Instrument :
BNA_F
ClientSampleId :

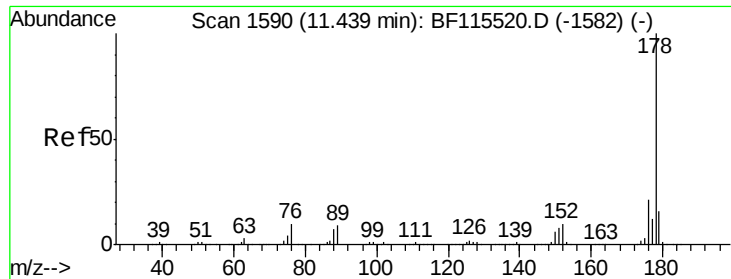
Tot Ion:188 Resp: 421898
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 11.2 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 2.180 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

Tgt Ion:248 Resp: 10511
Ion Ratio Lower Upper
248 100
250 202.3 78.0 117.0#
141 546.2 57.7 86.5#

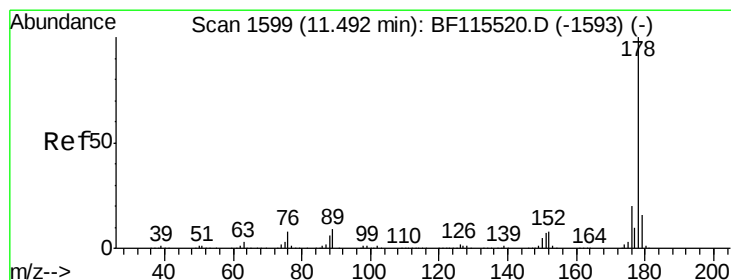
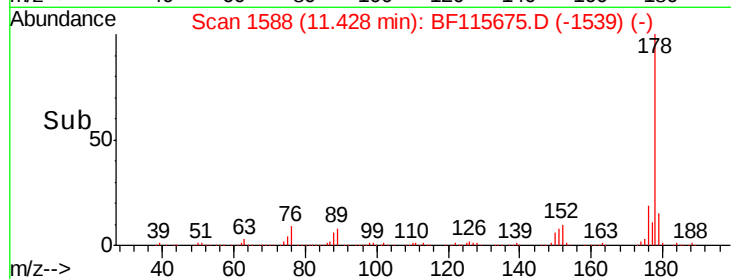
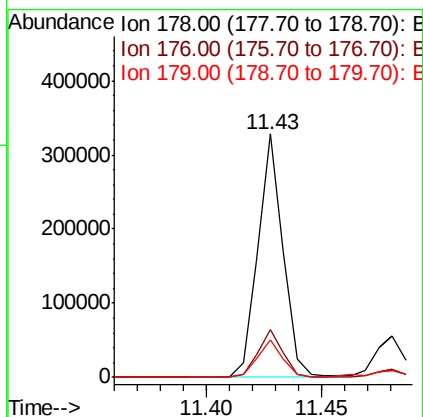
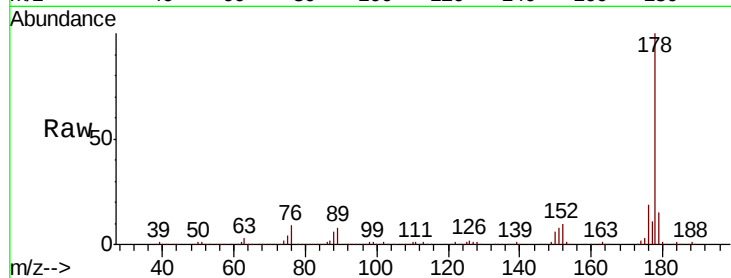




#71
Phenanthrene
Concen: 11.536 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

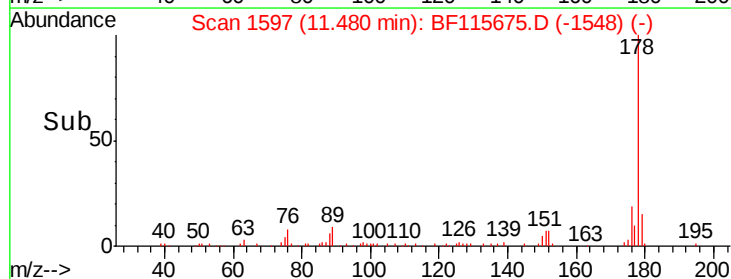
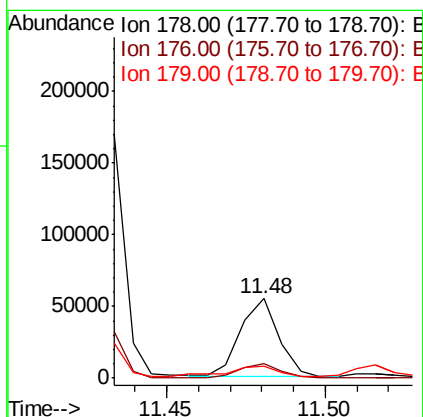
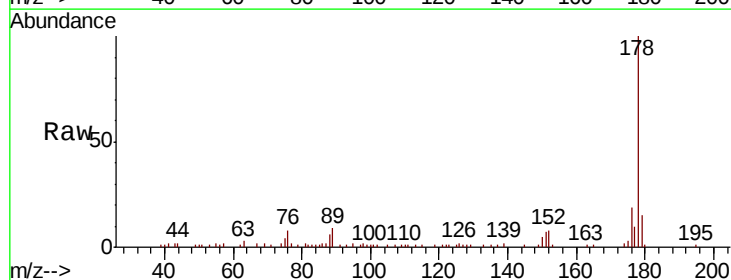
Instrument :
BNA_F
ClientSampleId :

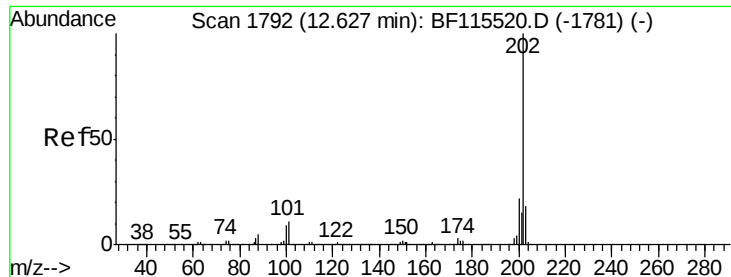
Tot Ion:178 Resp: 249488
Ion Ratio Lower Upper
178 100
176 19.5 17.2 25.8
179 15.3 13.5 20.3



#72
Anthracene
Concen: 2.041 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

Tgt Ion:178 Resp: 45621
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.1 12.7 19.1





#75

Fluoranthene

Concen: 22.555 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

Instrument :

BNA_F

ClientSampleId :

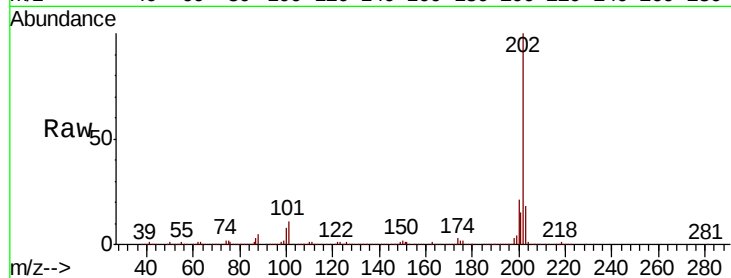
Tot Ion:202 Resp: 515455

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

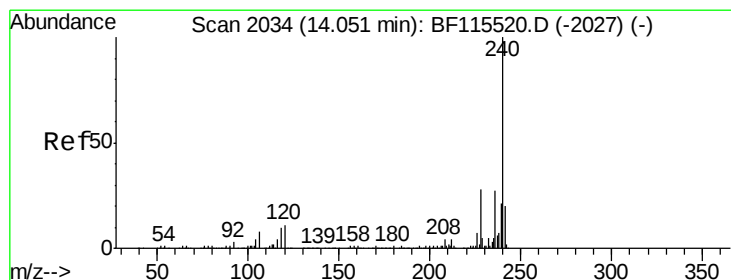
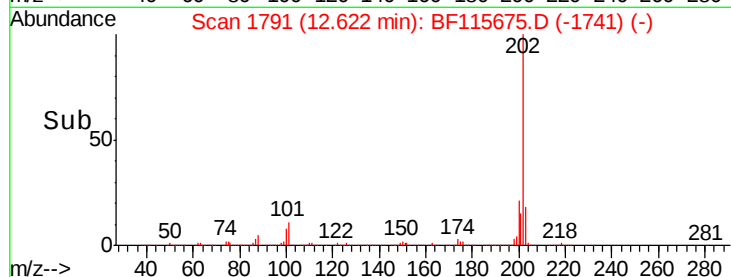
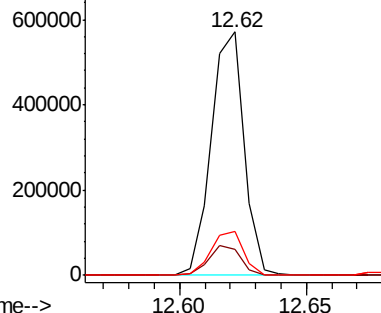
203 17.8 0.0 38.1



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: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

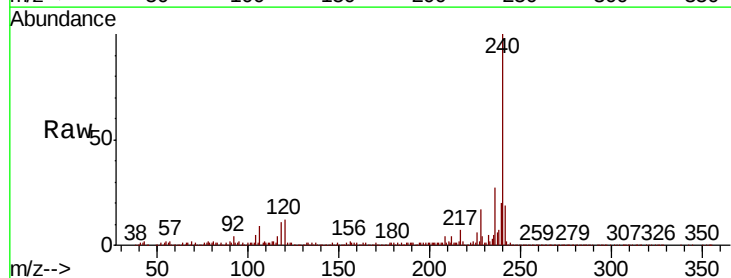
Tgt Ion:240 Resp: 338285

Ion Ratio Lower Upper

240 100

120 12.4 8.6 13.0

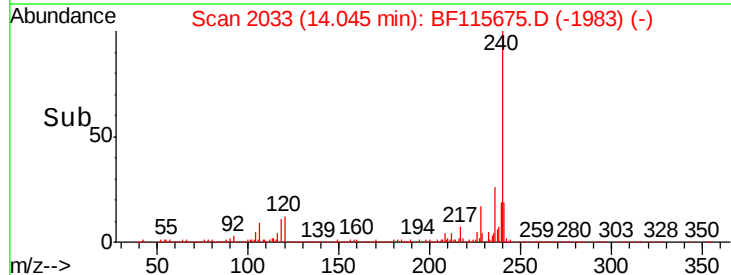
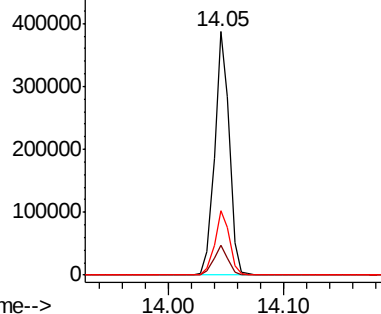
236 26.5 21.3 31.9

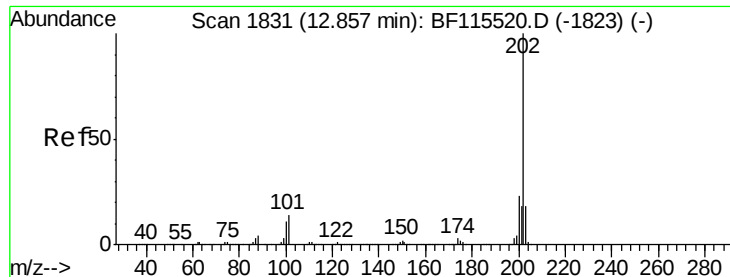


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 16.035 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

Instrument :

BNA_F

ClientSampleId :

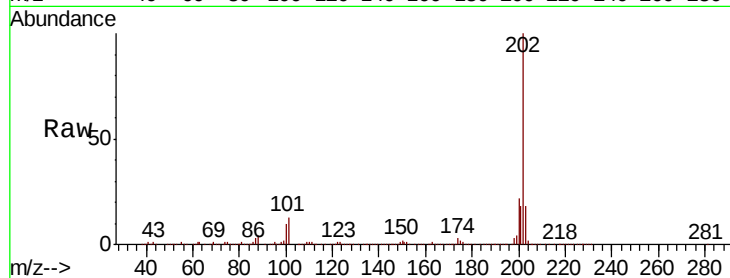
Tot Ion:202 Resp: 459571

Ion Ratio Lower Upper

202 100

200 22.0 18.7 28.1

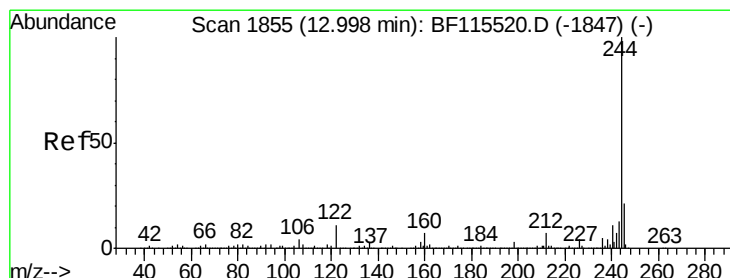
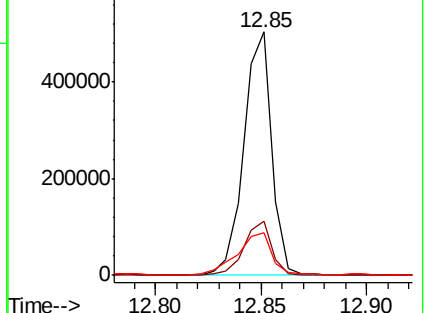
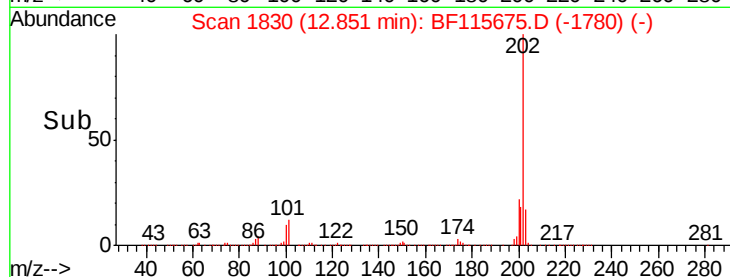
203 17.5 15.2 22.8



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: 42.826 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115675.D

Acq: 19 Jul 2019 15:14

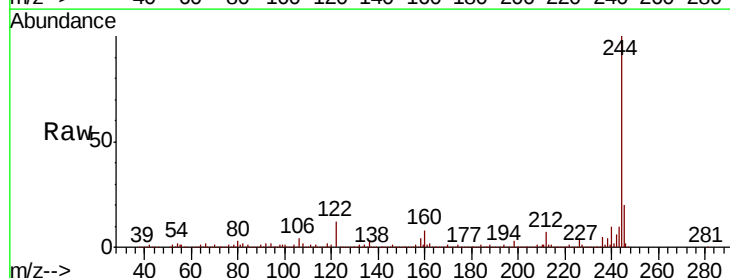
Tgt Ion:244 Resp: 785158

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

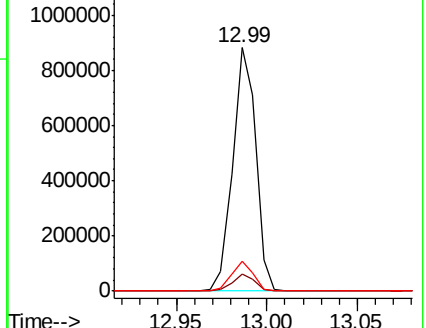
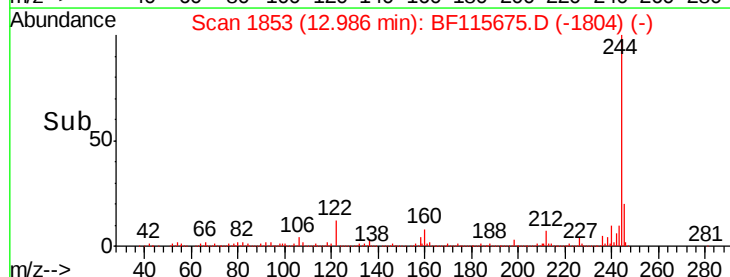
122 12.4 8.6 12.8

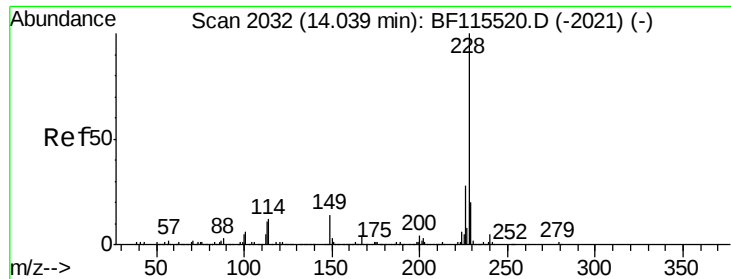


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

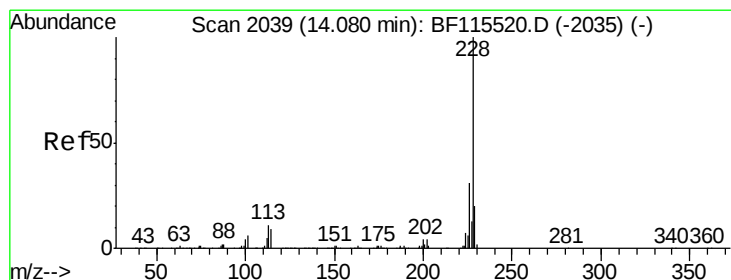
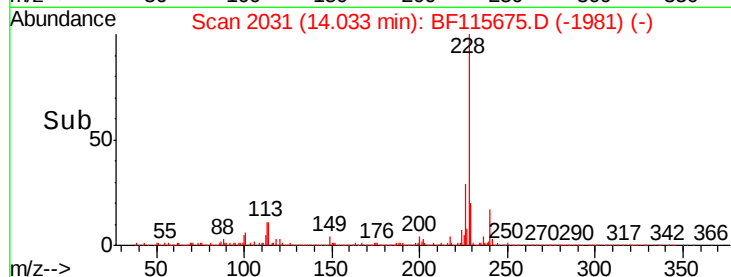
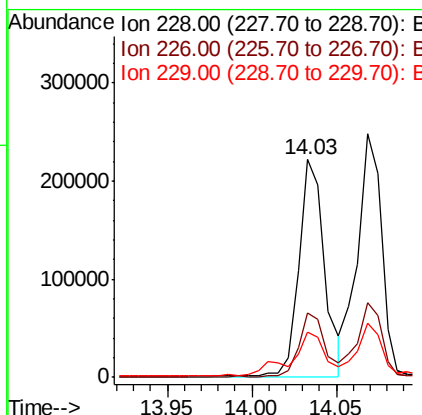
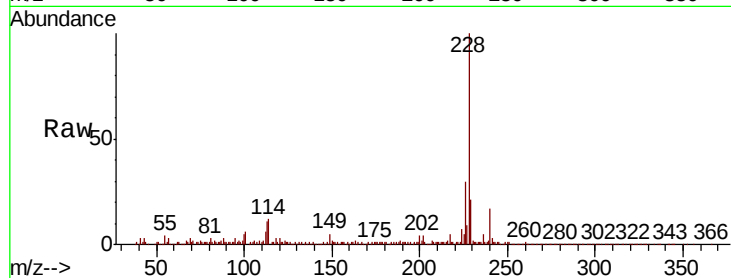




#81
Benzo(a)anthracene
Concen: 10.540 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

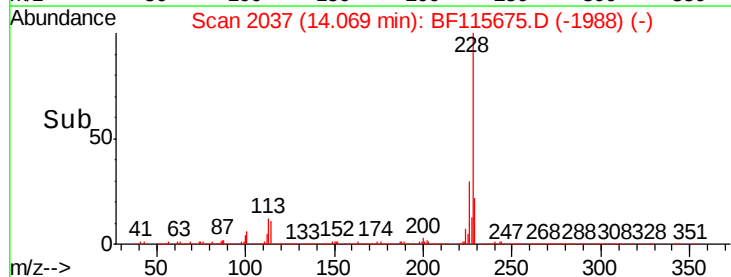
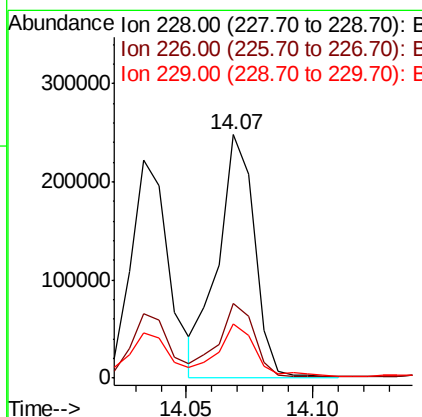
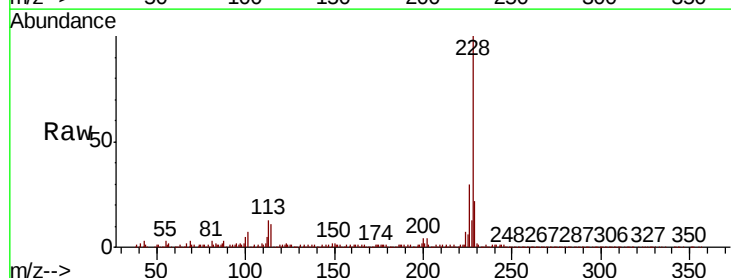
Instrument :
BNA_F
ClientSampleId :

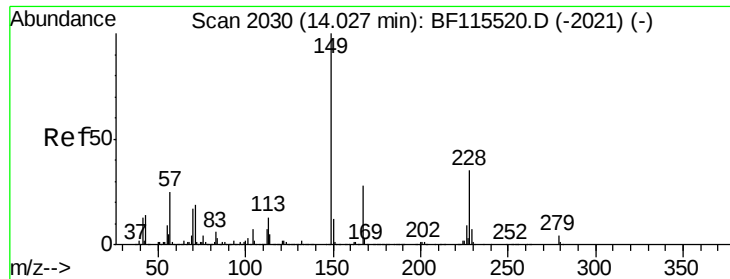
Tot Ion:228 Resp: 234899
Ion Ratio Lower Upper
228 100
226 29.7 23.4 35.0
229 20.9 17.2 25.8



#83
Chrysene
Concen: 11.010 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

Tgt Ion:228 Resp: 246315
Ion Ratio Lower Upper
228 100
226 30.5 25.7 38.5
229 22.5 16.6 25.0

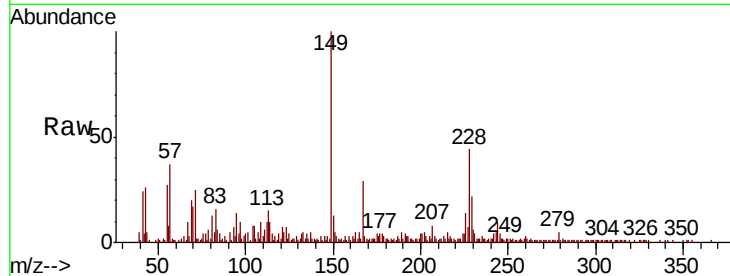




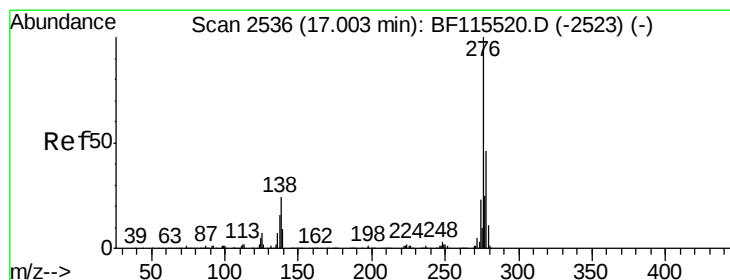
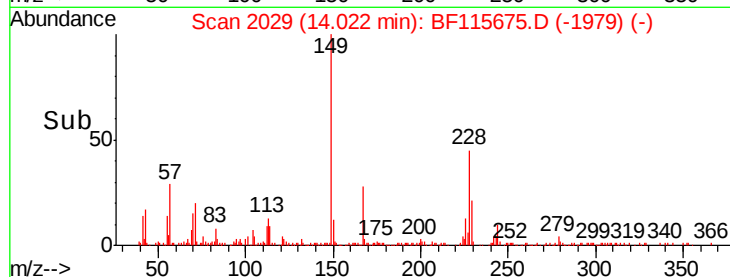
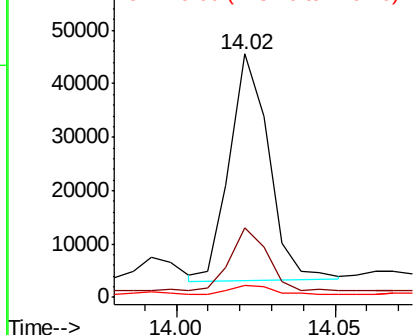
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.394 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 36225
 Ion Ratio Lower Upper
 149 100
 167 28.6 23.0 34.4
 279 4.7 4.2 6.2

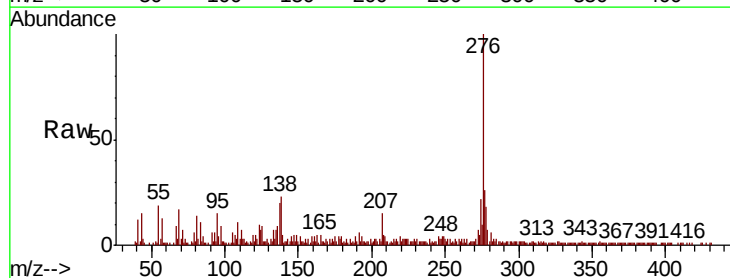


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

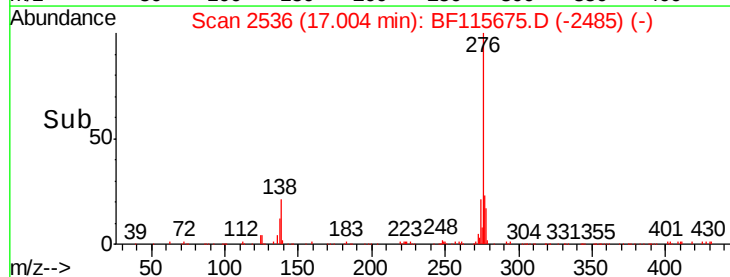
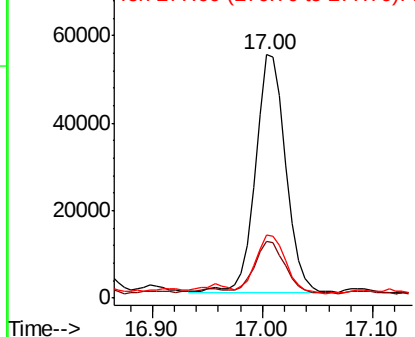


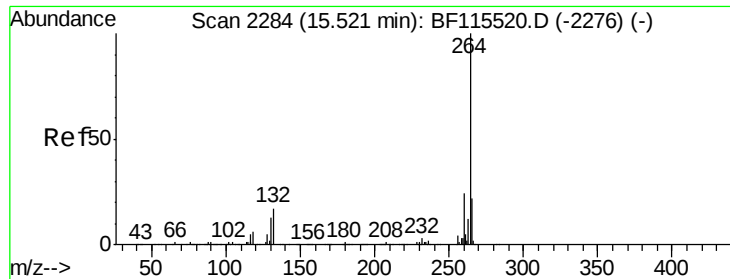
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.497 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.00 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Tgt Ion:276 Resp: 104477
 Ion Ratio Lower Upper
 276 100
 138 21.9 20.2 30.2
 277 24.8 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

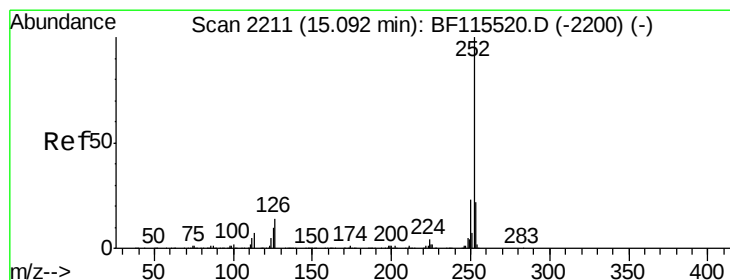
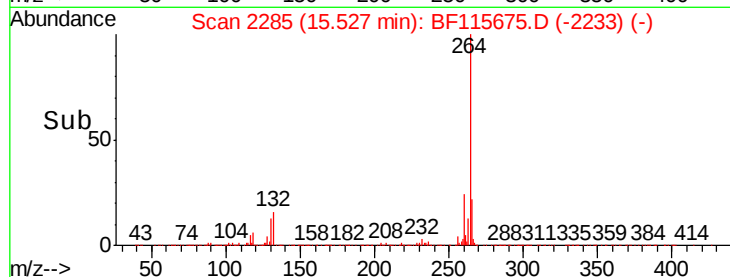
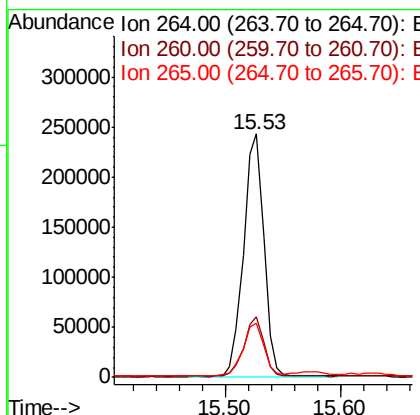
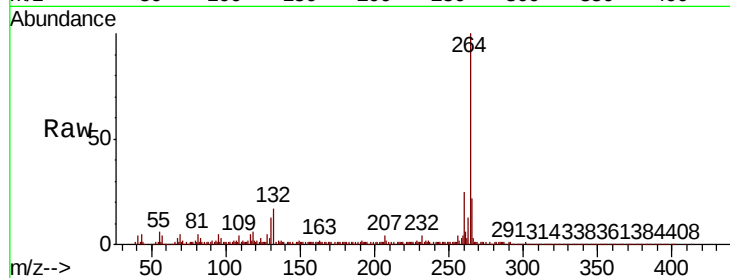




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2285
 Delta R.T. 0.01 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

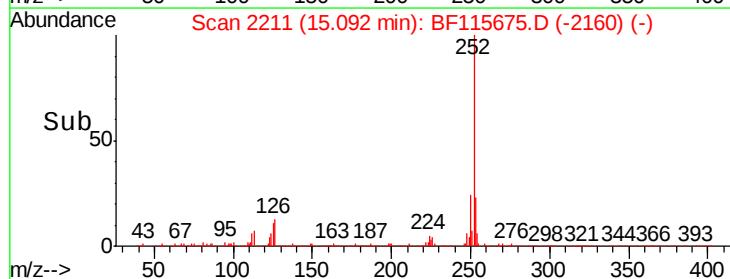
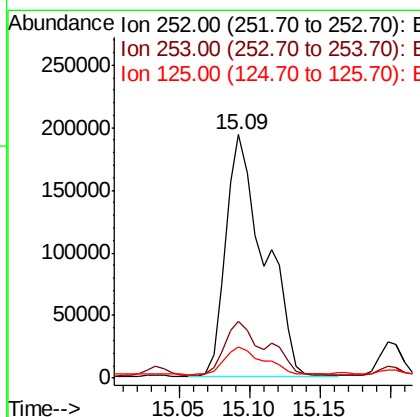
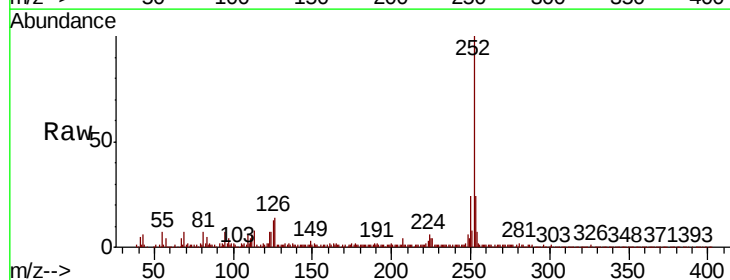
Instrument :
 BNA_F
 ClientSampleId :

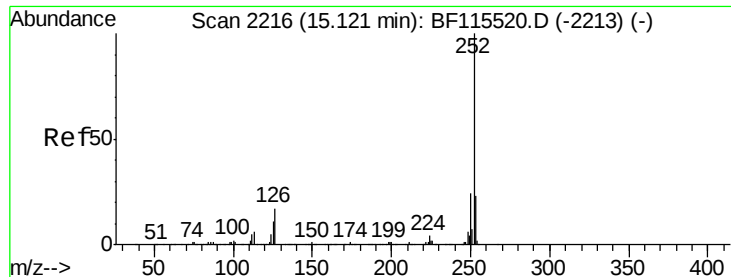
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	22.4	17.7	26.5



#88
 Benzo(b)fluoranthene
 Concen: 19.276 ng
 RT: 15.09 min Scan# 2211
 Delta R.T. 0.00 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.7	9.0	13.4

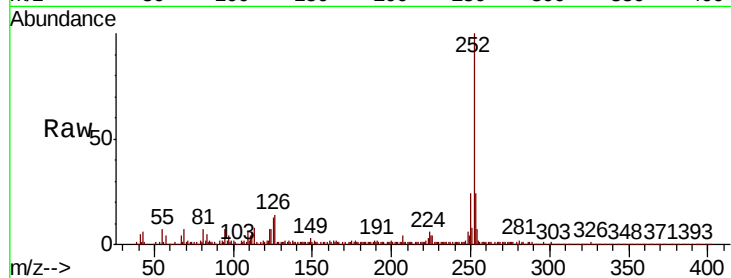




#89
Benzo(k)fluoranthene
Concen: 21.621 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	28.0
125	12.7	9.0	13.6

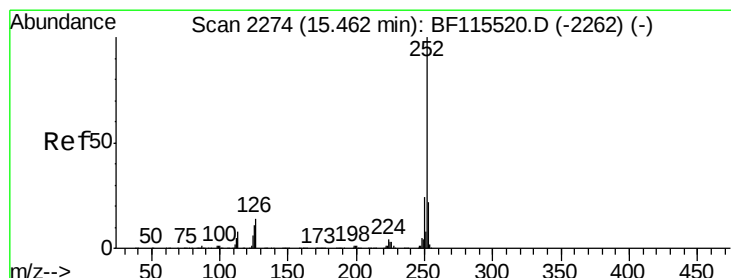
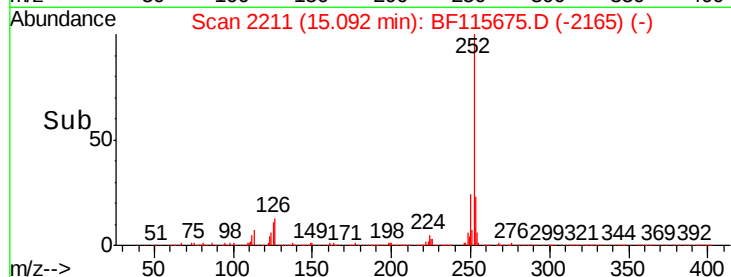
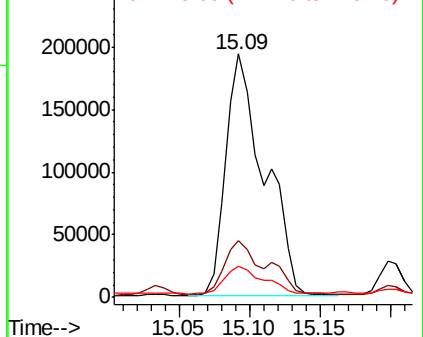


Abundance

Ion 252.00 (251.70 to 252.70): E

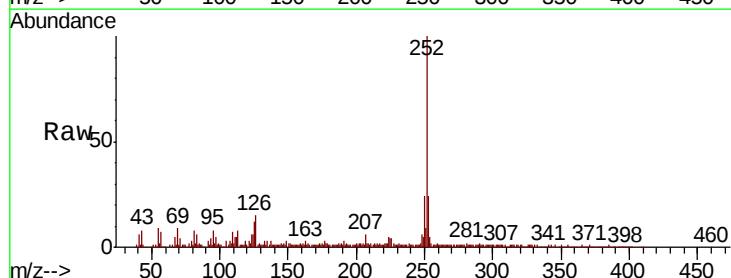
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 10.099 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF115675.D
Acq: 19 Jul 2019 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	12.2	9.1	13.7

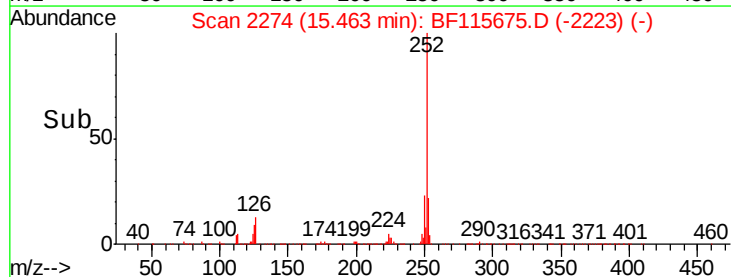
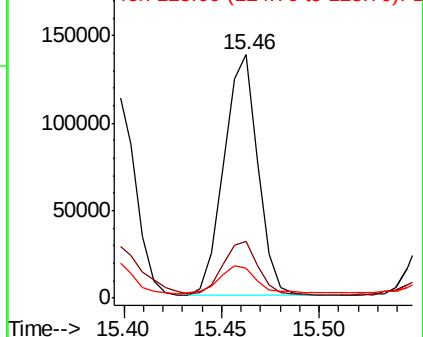


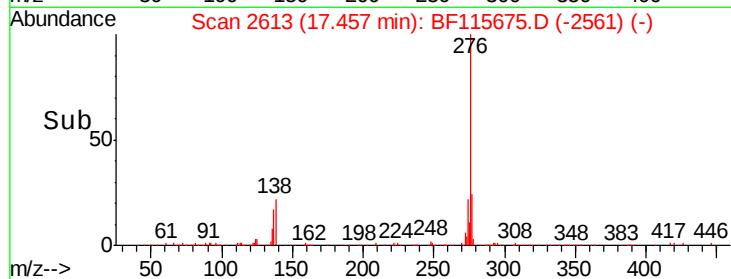
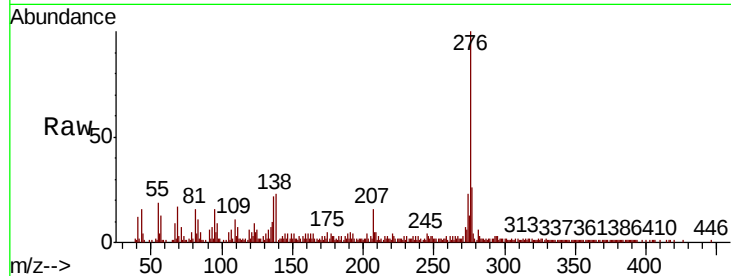
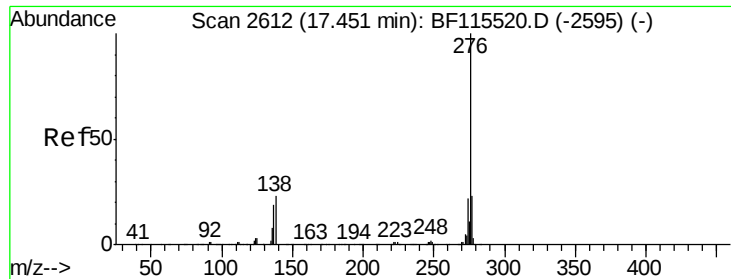
Abundance

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: 7.174 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.01 min
 Lab File: BF115675.D
 Acq: 19 Jul 2019 15:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.0	28.4
138	23.0	17.2	25.8

