

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115880.D
 Acq On : 31 Jul 2019 21:40
 Operator : HP/JU
 Sample : K4024-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Aug 01 04:58:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	141810	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	544208	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	280383	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	444891	20.00	ng	0.00
76) Chrysene-d12	14.02	240	337404	20.00	ng	0.00
87) Perylene-d12	15.49	264	363115	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	755545	89.19	ng	0.00
7) Phenol-d6	6.49	99	999570	93.53	ng	0.00
23) Nitrobenzene-d5	7.41	82	623873	66.17	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	225737	83.04	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1026282	68.56	ng	0.00
79) Terphenyl-d14	12.96	244	974109	60.84	ng	0.00

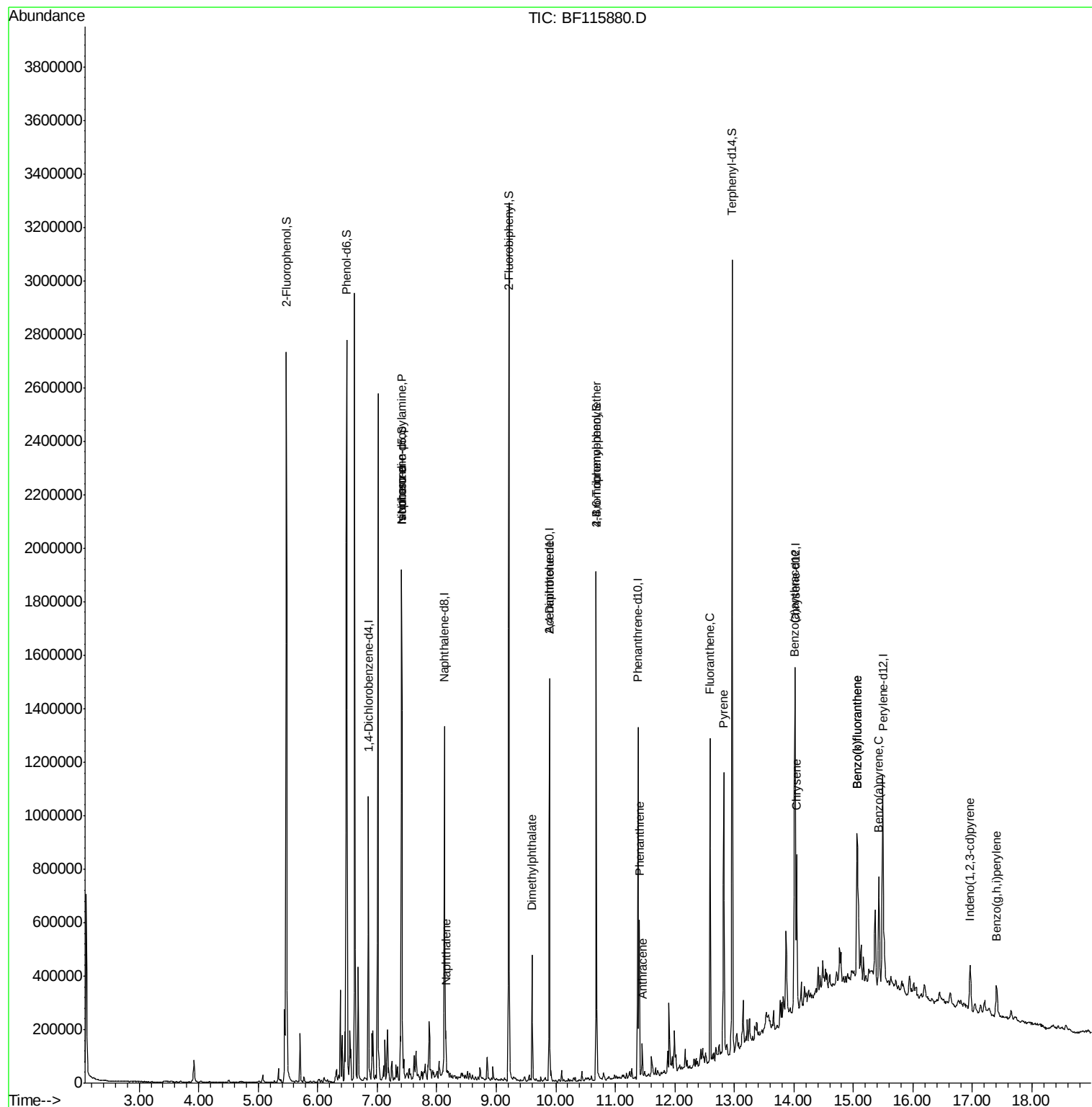
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	84182	12.711	ng	# 79
25) Isophorone	7.41	82	620540	34.422	ng	# 66
31) Naphthalene	8.15	128	51301	2.003	ng	98
50) Dimethylphthalate	9.60	163	170914	8.953	ng	100
57) 2,4-Dinitrotoluene	9.89	165	35813	6.483	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	14015	2.943	ng	# 1
71) Phenanthrene	11.40	178	211797	9.312	ng	97
72) Anthracene	11.46	178	48183	2.093	ng	99
75) Fluoranthene	12.59	202	449368	18.873	ng	99
78) Pyrene	12.82	202	401746	15.796	ng	98
81) Benzo(a)anthracene	14.01	228	242847	11.261	ng	99
83) Chrysene	14.04	228	206217	9.849	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	113888	6.477	ng	95
88) Benzo(b)fluoranthene	15.06	252	382852	18.235	ng	# 96
89) Benzo(k)fluoranthene	15.06	252	382852	18.721	ng	100
90) Benzo(a)pyrene	15.43	252	202501	10.789	ng	96
92) Benzo(g,h,i)perylene	17.41	276	104000	6.518	ng	98

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

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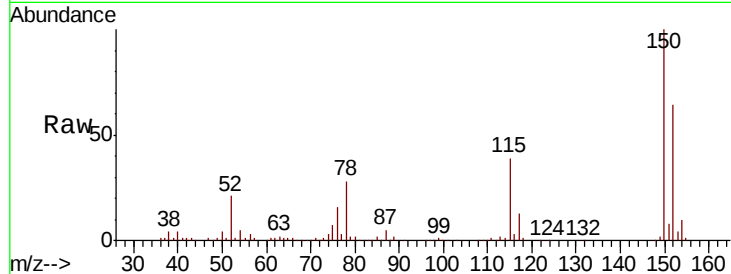


#1

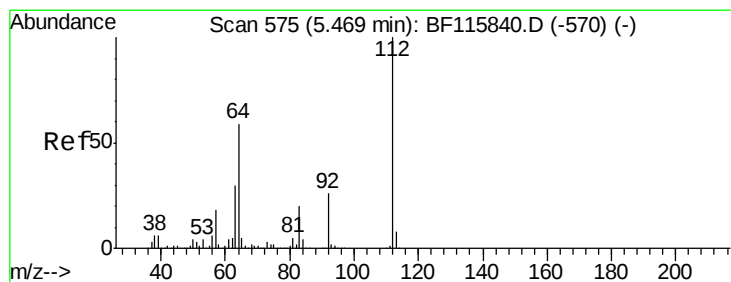
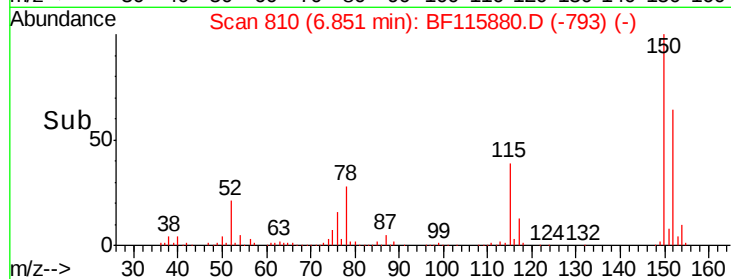
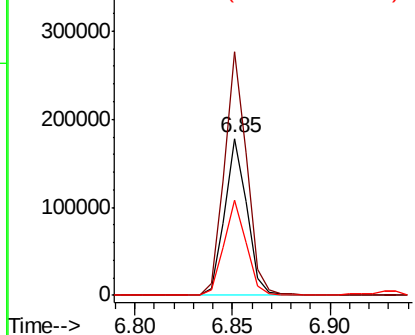
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:152 Resp: 141810
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.0
115 61.1 51.8 77.8



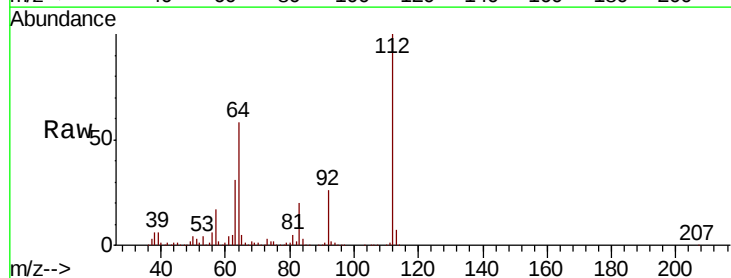
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



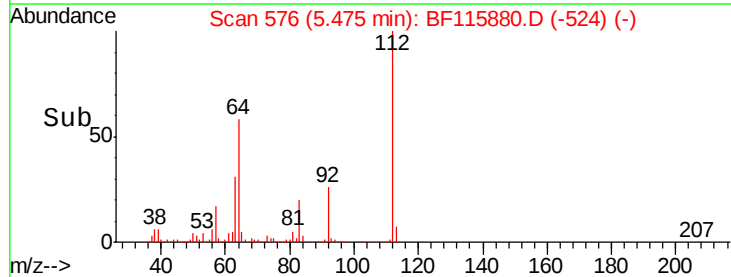
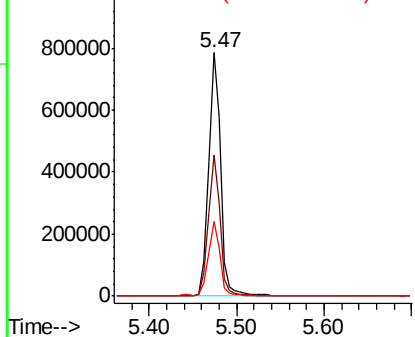
#5

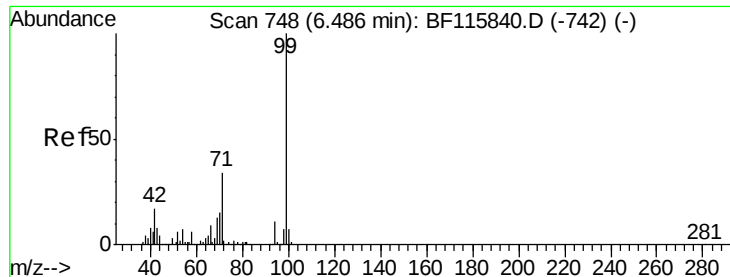
2-Fluorophenol
Concen: 89.192 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion:112 Resp: 755545
Ion Ratio Lower Upper
112 100
64 57.8 46.8 70.2
63 30.7 24.2 36.2



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: 93.525 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

ClientSampled :

TP-8

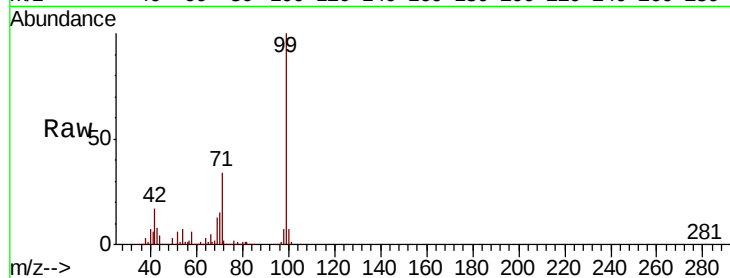
Tgt Ion: 99 Resp: 999570

Ion Ratio Lower Upper

99 100

42 17.0 13.8 20.6

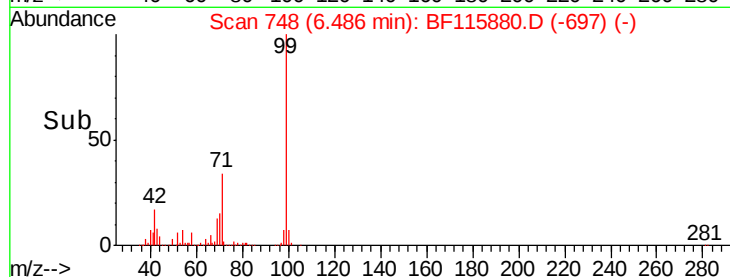
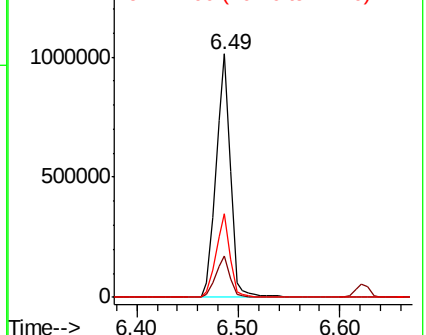
71 34.2 27.1 40.7



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: 12.711 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Tgt Ion: 70 Resp: 84182

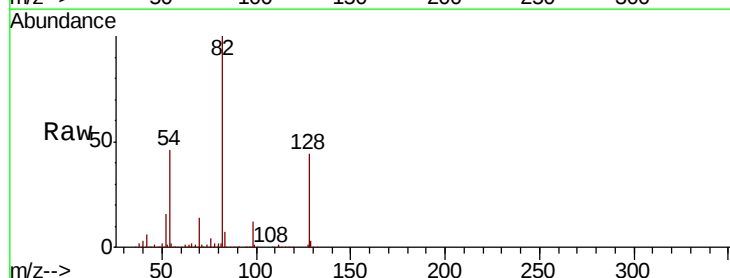
Ion Ratio Lower Upper

70 100

42 44.5 41.8 62.8

101 0.0 7.7 11.5#

130 2.4 17.8 26.6#

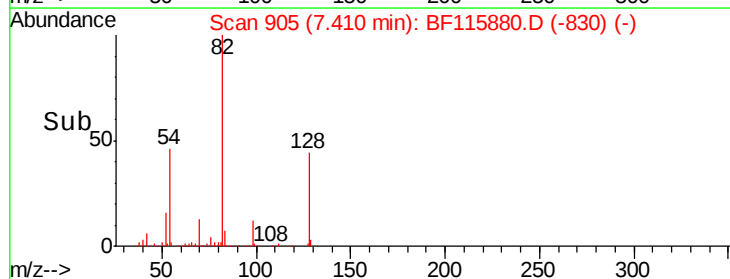
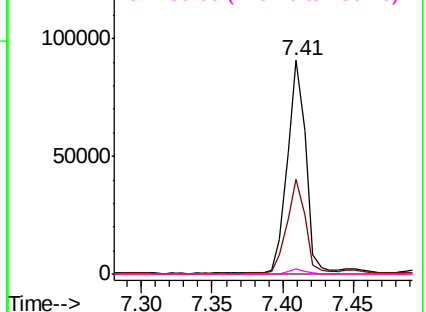


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

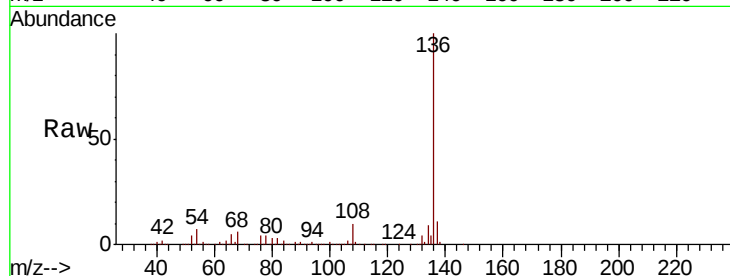




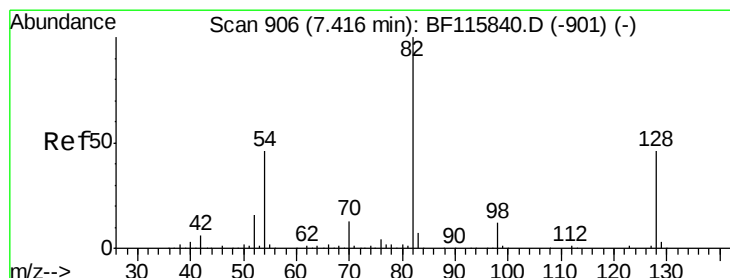
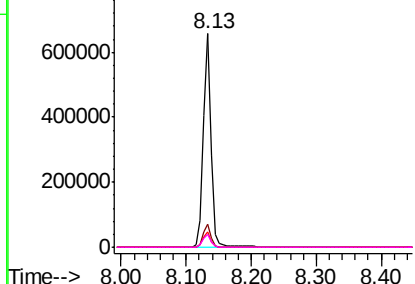
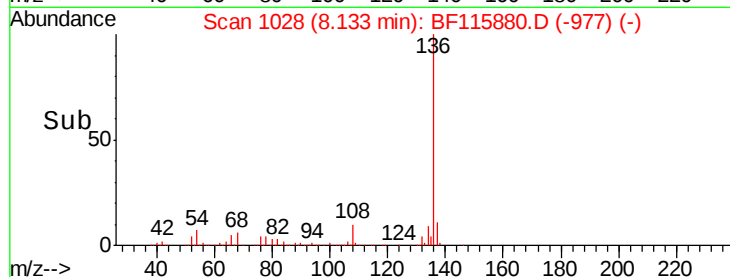
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:	136	Resp:	544208
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.9	6.1	9.1
68	5.8	5.4	8.2

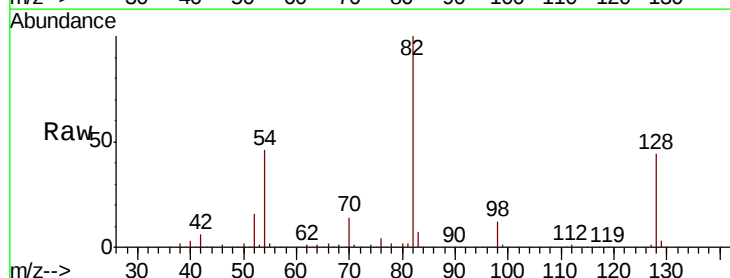


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

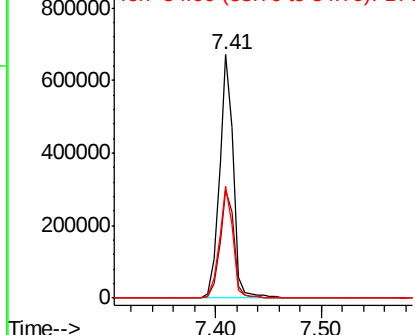
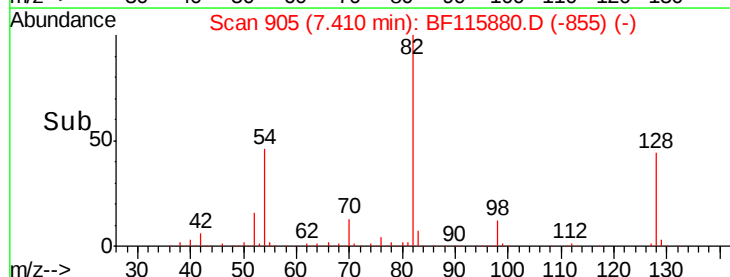


#23
Nitrobenzene-d5
Concen: 66.173 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion:	82	Resp:	623873
Ion	Ratio	Lower	Upper
82	100		
128	44.2	36.6	55.0
54	45.7	36.6	55.0



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

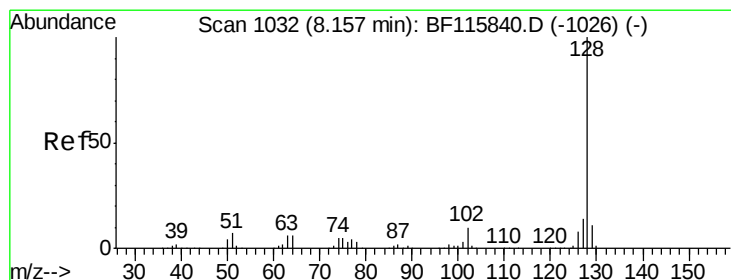
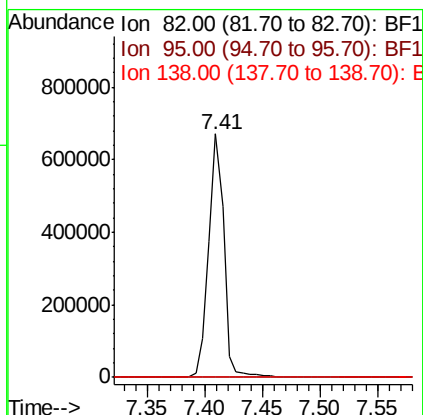
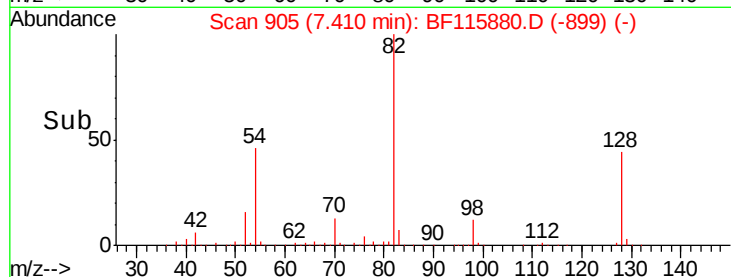
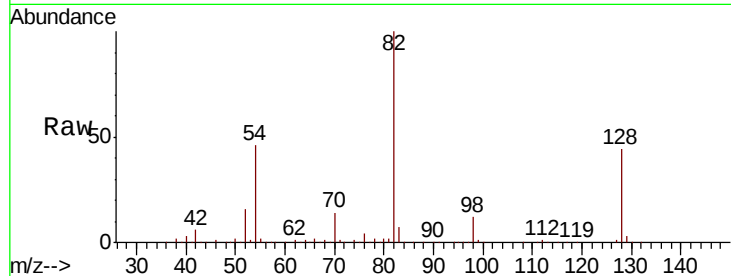




#25
Isophorone
Concen: 34.422 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

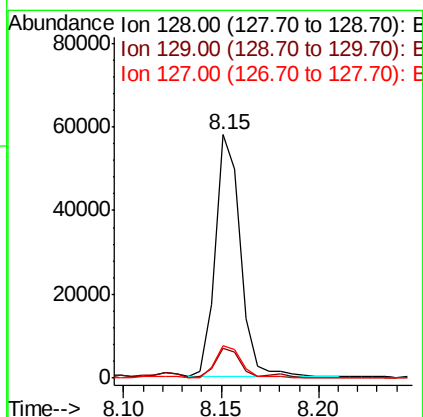
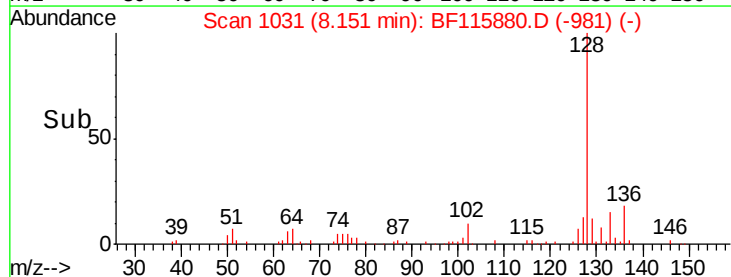
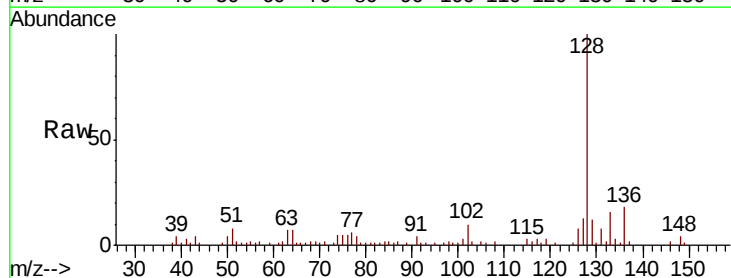
Instrument :
BNA_F
ClientSampleId :
TP-8

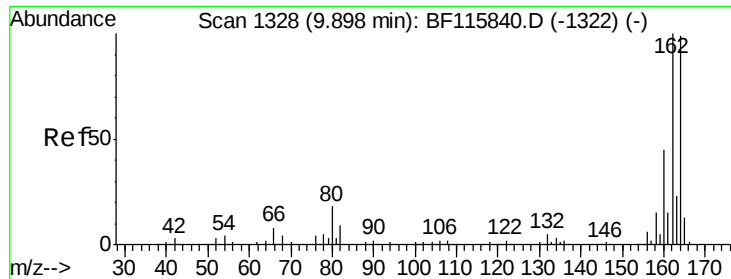
Tgt Ion: 82 Resp: 620540
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.003 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion: 128 Resp: 51301
Ion Ratio Lower Upper
128 100
129 12.5 9.2 13.8
127 13.1 11.0 16.4

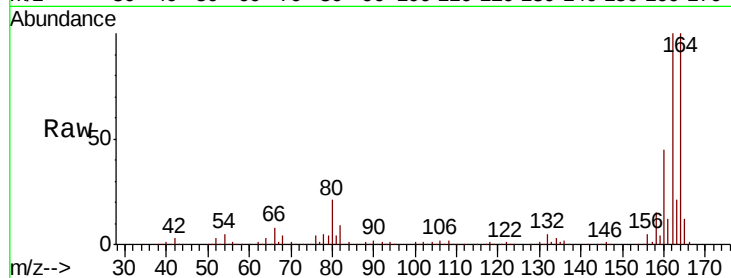




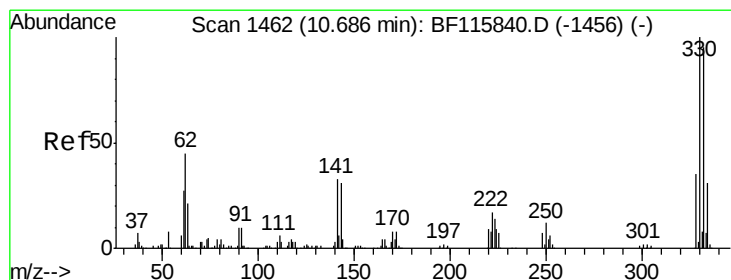
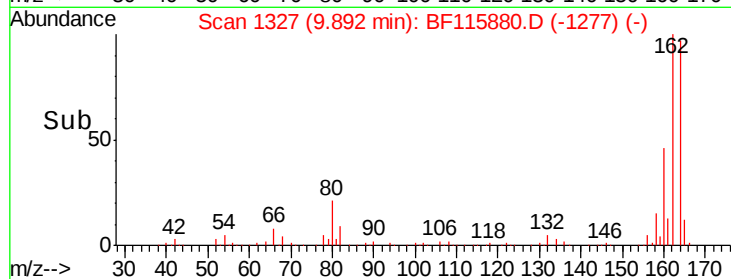
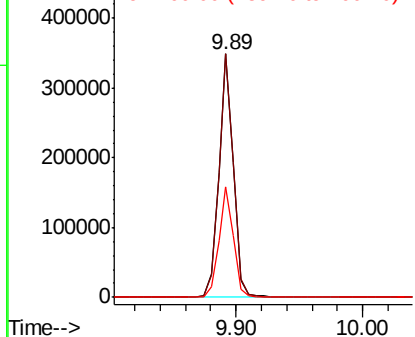
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion:164 Resp: 280383
 Ion Ratio Lower Upper
 164 100
 162 99.8 80.8 121.2
 160 45.5 36.2 54.4

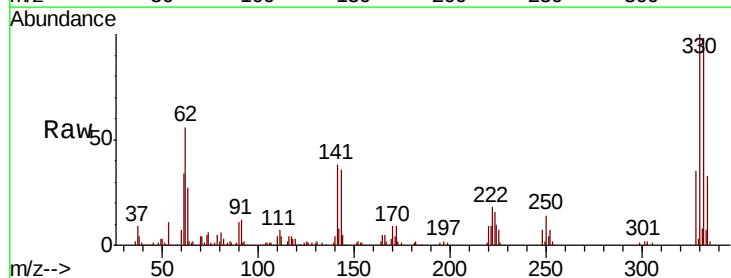


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

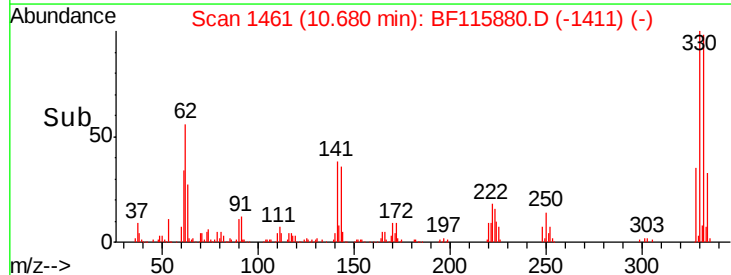
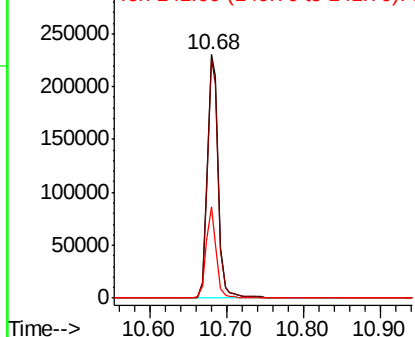


#42
 2,4,6-Tribromophenol
 Concen: 83.041 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Tgt Ion:330 Resp: 225737
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.7 116.5
 141 34.8 28.1 42.1



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

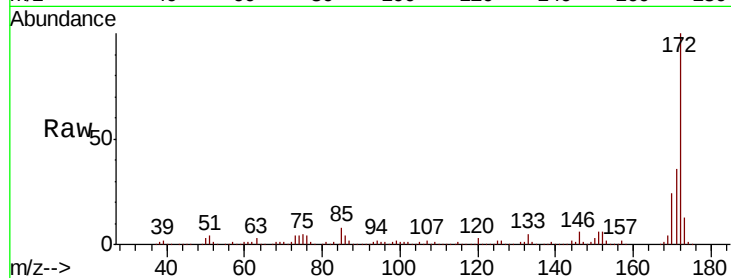




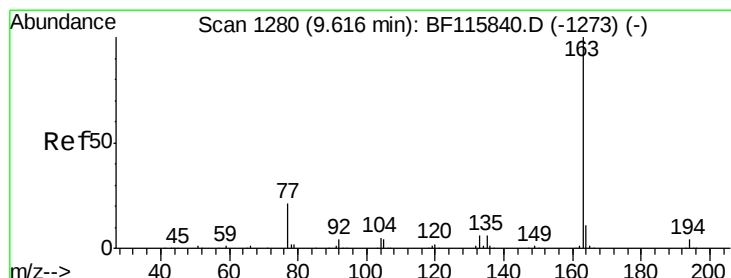
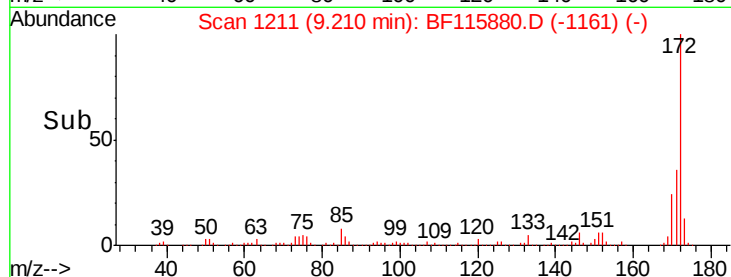
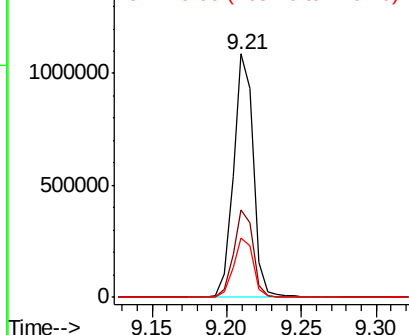
#45
 2-Fluorobiphenyl
 Concen: 68.560 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tgt Ion:172 Resp: 1026282
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.1 43.7
 170 24.4 20.1 30.1

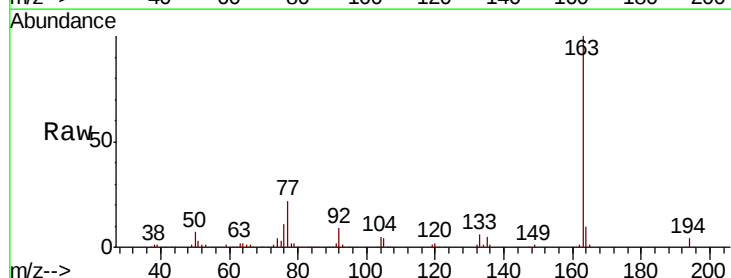


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

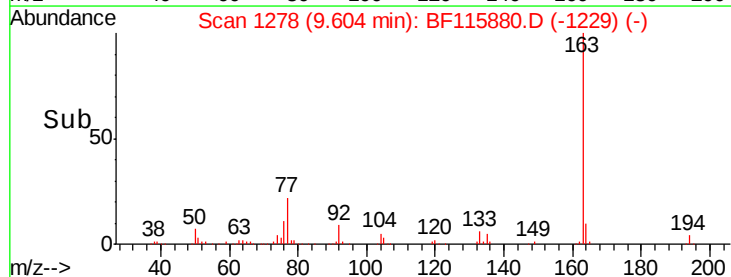
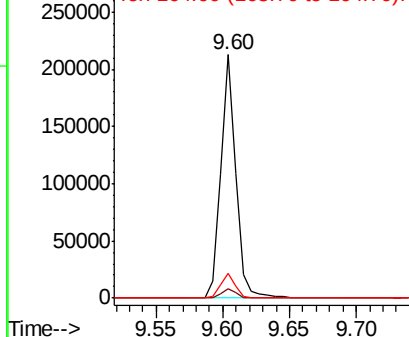


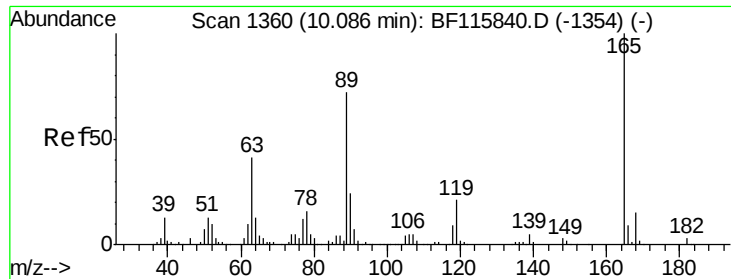
#50
 Dimethylphthalate
 Concen: 8.953 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Tgt Ion:163 Resp: 170914
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.6
 164 10.4 8.4 12.6



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: 6.483 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

ClientSampleId :

TP-8

Tgt Ion:165 Resp: 35813

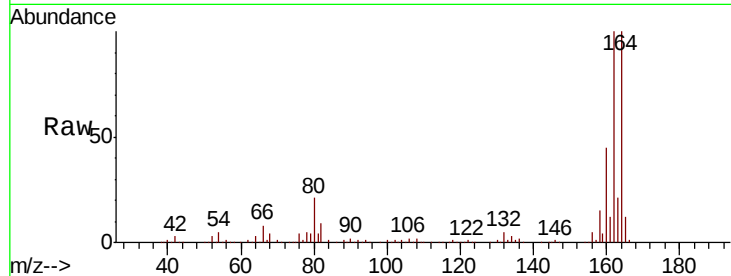
Ion Ratio Lower Upper

165 100

63 1.5 33.2 49.8#

89 1.4 57.3 85.9#

182 0.0 2.1 3.1#

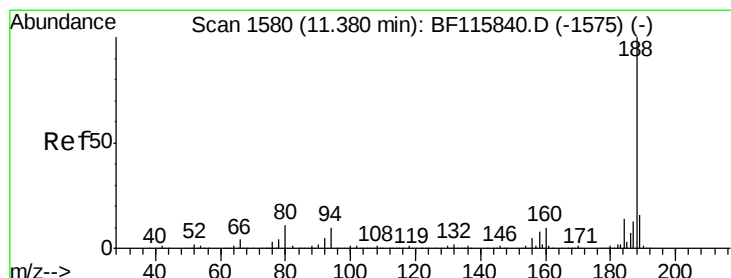
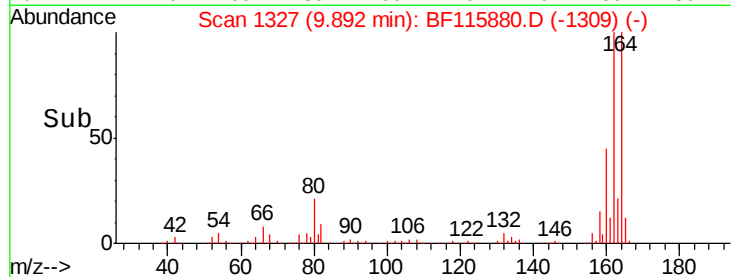
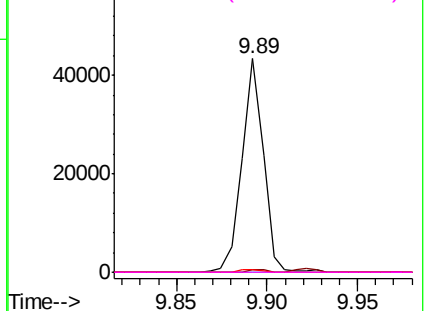


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

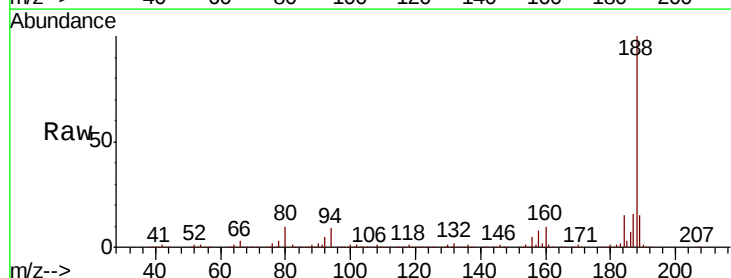
Tgt Ion:188 Resp: 444891

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

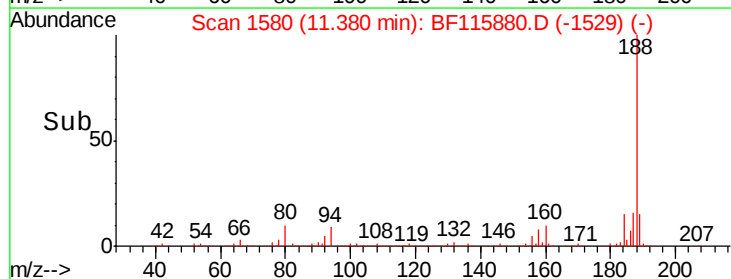
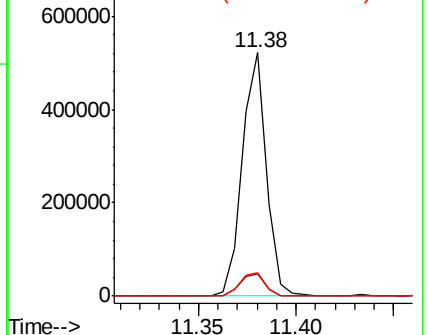
80 9.8 8.6 12.8

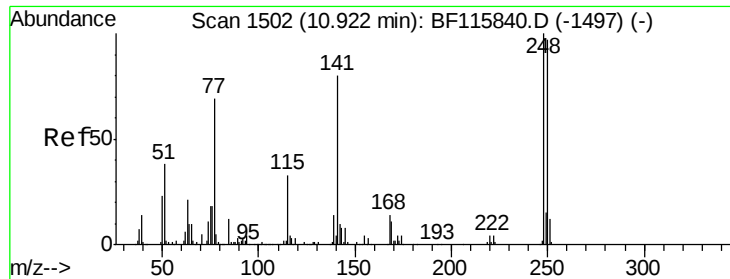


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

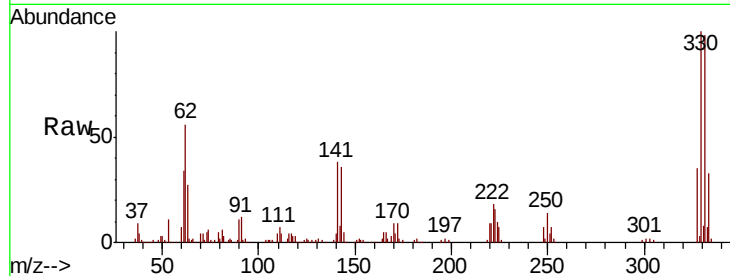




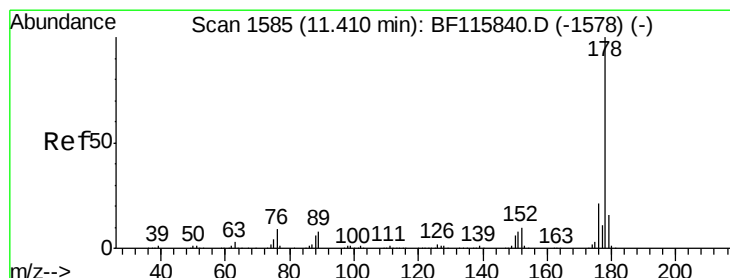
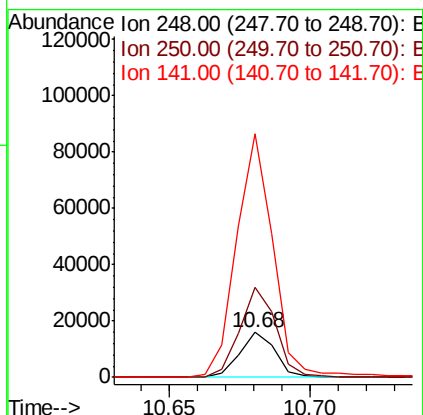
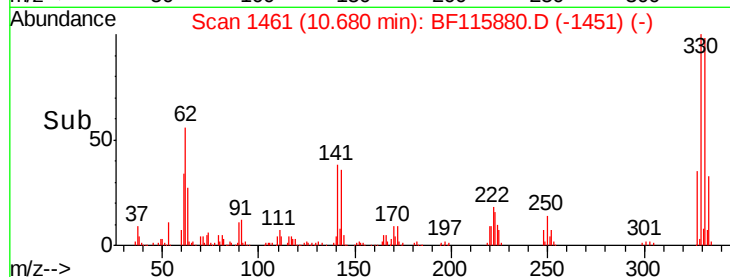
#67
 4-Bromophenyl-phenylether
 Concen: 2.943 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion:248 Resp: 14015
 Ion Ratio Lower Upper
 248 100
 250 198.6 77.8 116.6#
 141 540.3 64.3 96.5#

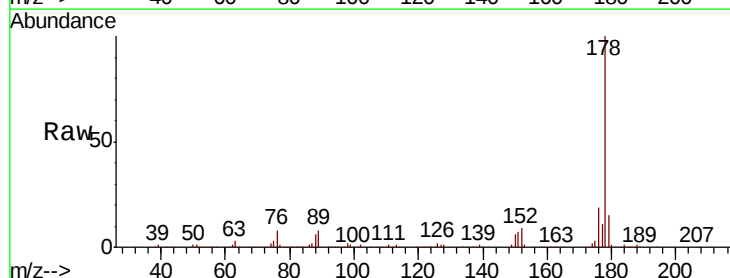


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

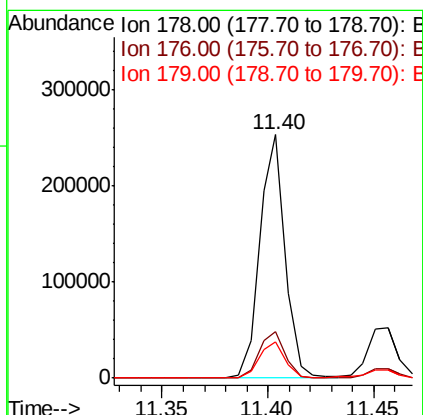
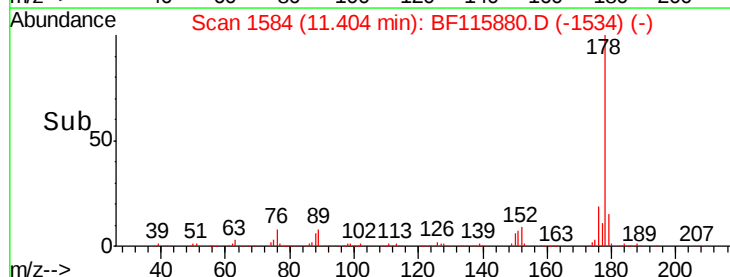


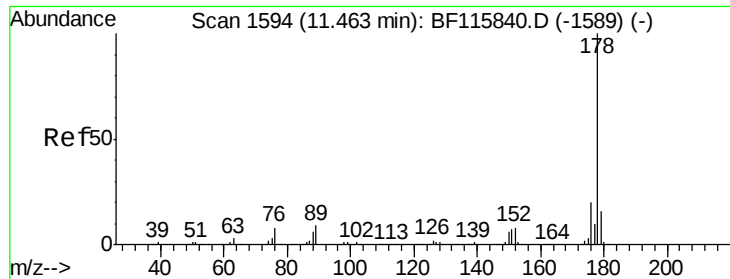
#71
 Phenanthrene
 Concen: 9.312 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Tgt Ion:178 Resp: 211797
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.5 24.7
 179 14.8 12.6 18.8



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





#72

Anthracene

Concen: 2.093 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

ClientSampled :

TP-8

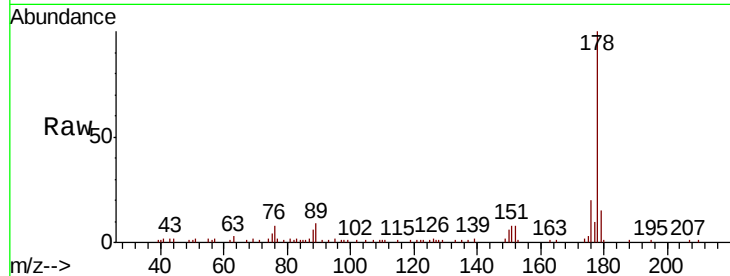
Tgt Ion:178 Resp: 48183

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

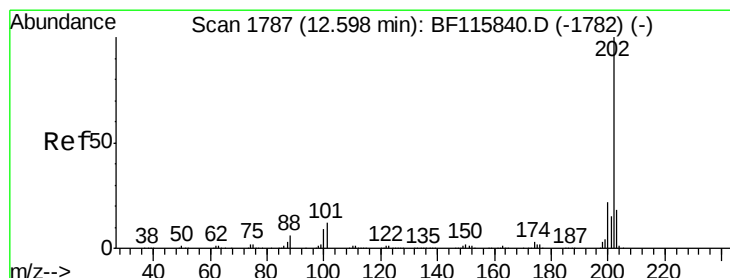
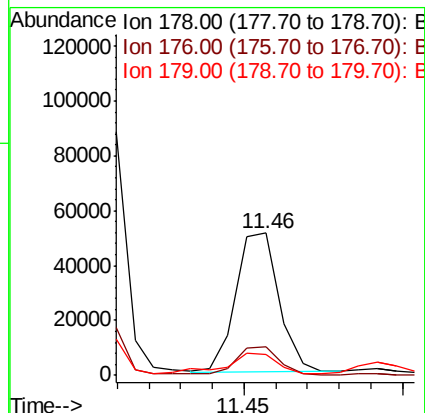
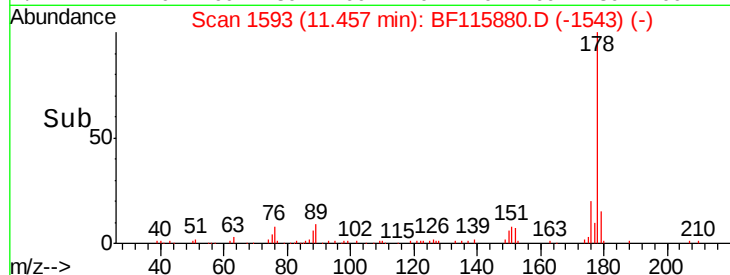
179 15.0 12.4 18.6



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



#75

Fluoranthene

Concen: 18.873 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

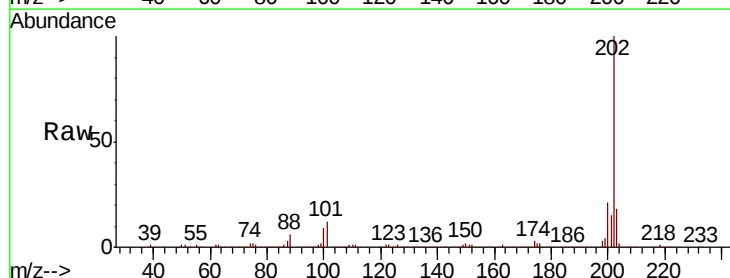
Tgt Ion:202 Resp: 449368

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.5

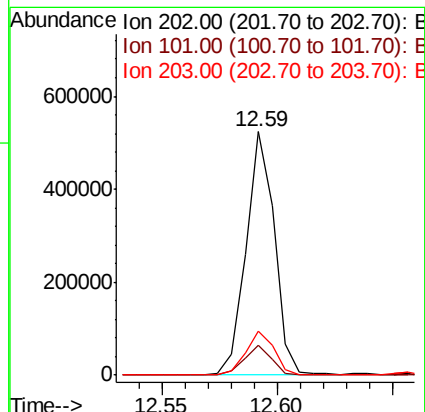
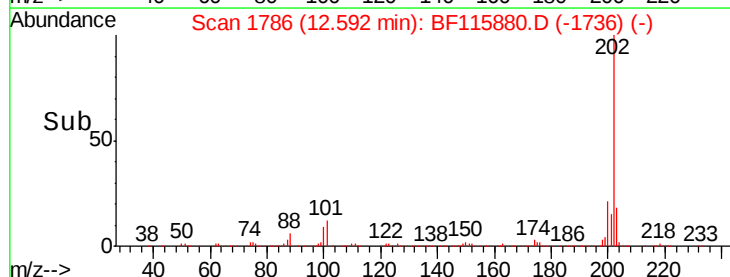
203 18.1 0.0 37.9

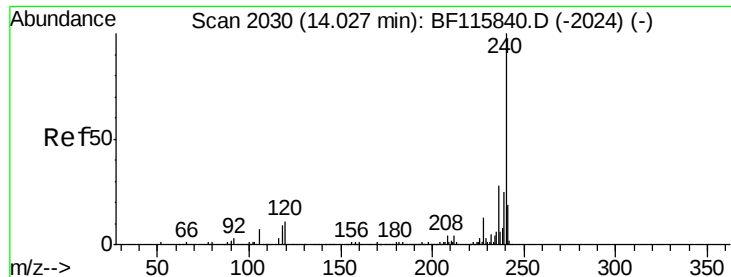


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

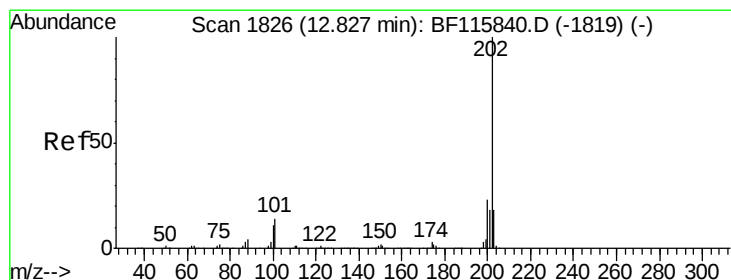
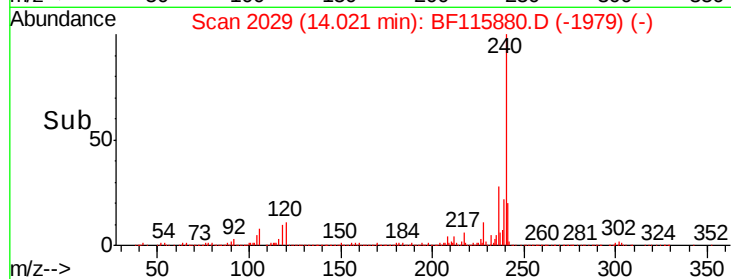
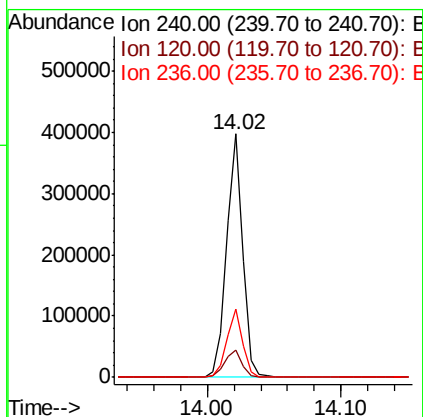
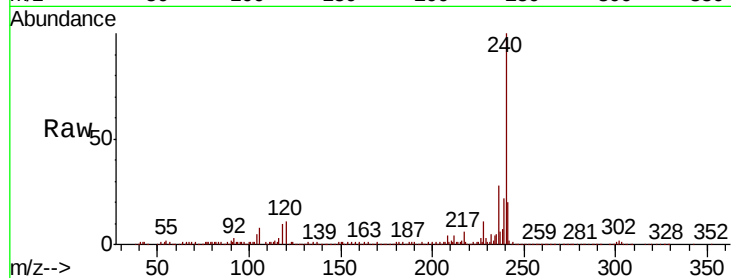




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

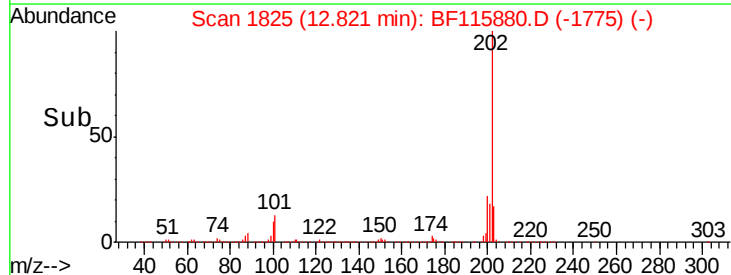
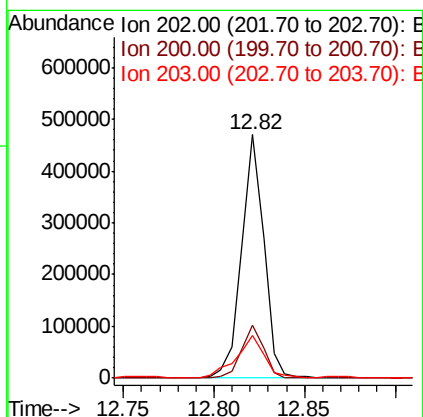
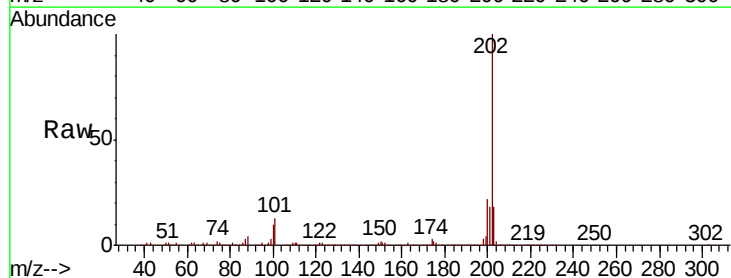
Instrument :
BNA_F
ClientSampleId :
TP-8

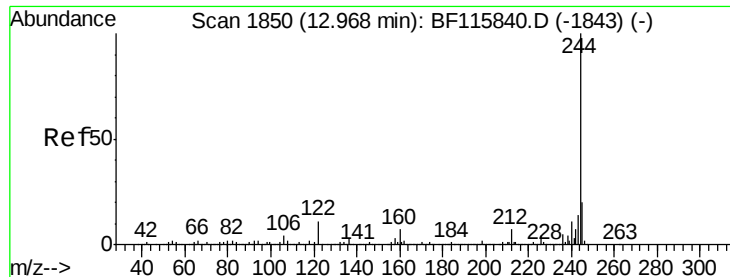
Tgt Ion:240 Resp: 337404
Ion Ratio Lower Upper
240 100
120 11.4 8.5 12.7
236 28.1 22.2 33.2



#78
Pyrene
Concen: 15.796 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion:202 Resp: 401746
Ion Ratio Lower Upper
202 100
200 21.6 18.2 27.2
203 17.7 14.3 21.5

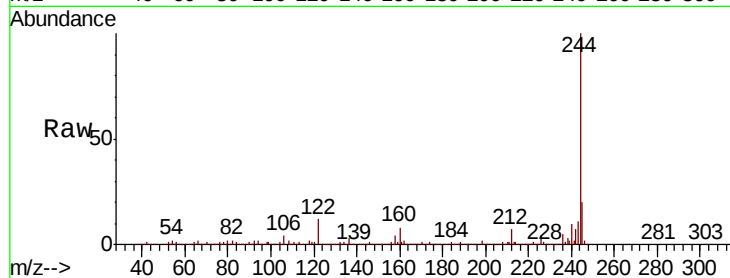




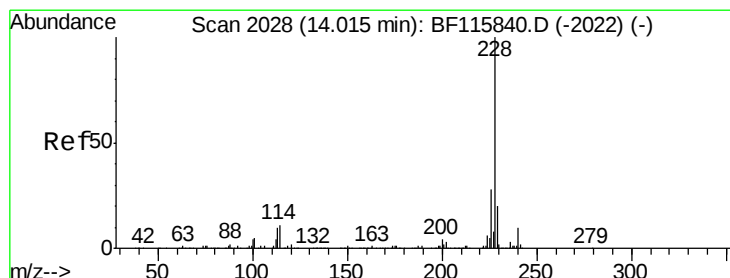
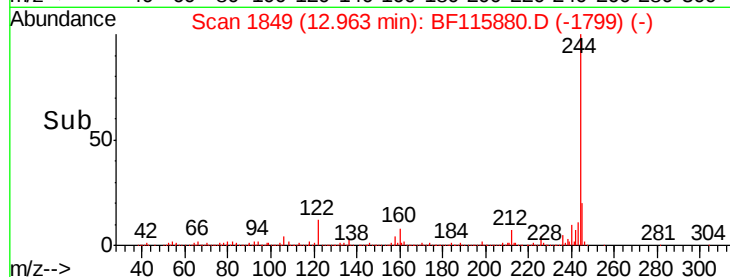
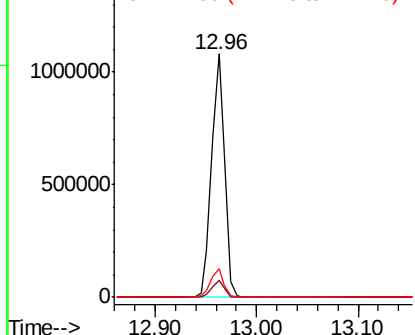
#79
 Terphenyl-d14
 Concen: 60.835 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tgt Ion:244 Resp: 974109
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.9 8.6 13.0

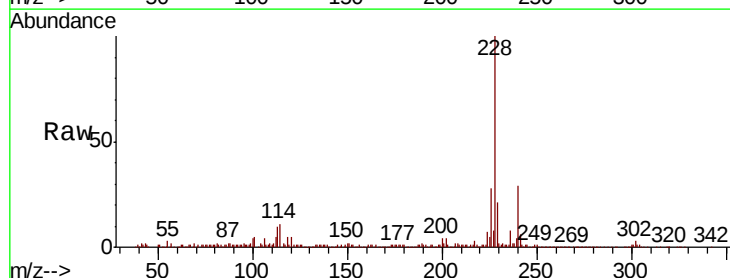


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

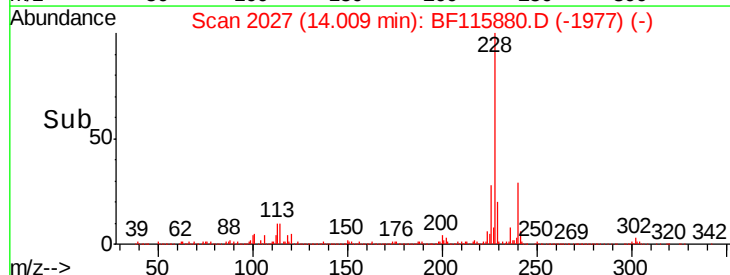
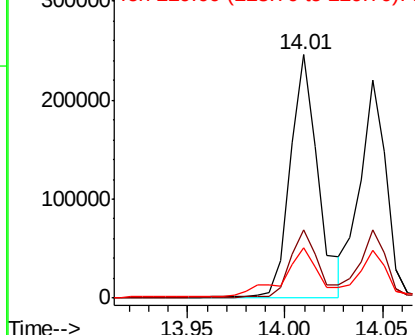


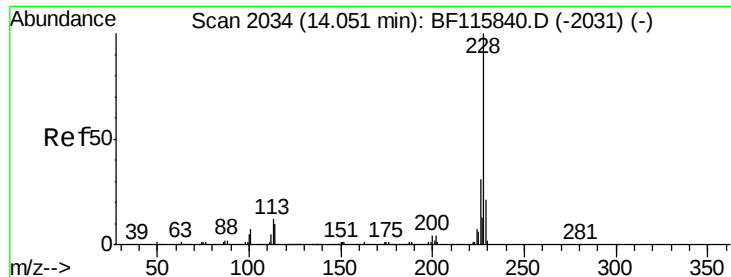
#81
 Benzo(a)anthracene
 Concen: 11.261 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Tgt Ion:228 Resp: 242847
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.5 33.7
 229 20.5 16.1 24.1



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





#83

Chrysene

Concen: 9.849 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

ClientSampleId :

TP-8

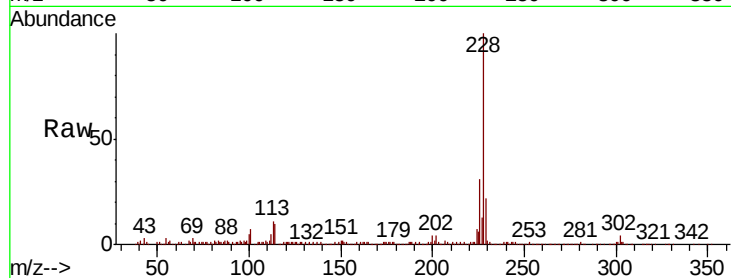
Tgt Ion:228 Resp: 206217

Ion Ratio Lower Upper

228 100

226 31.0 24.8 37.2

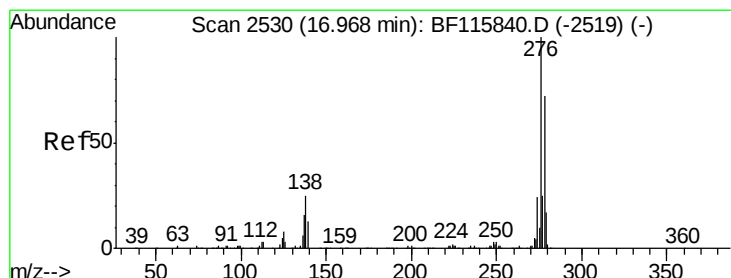
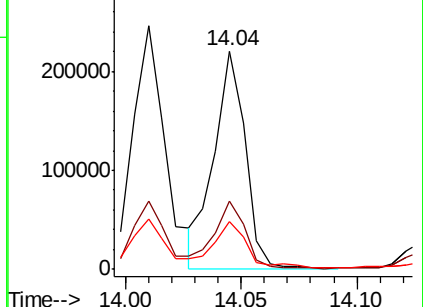
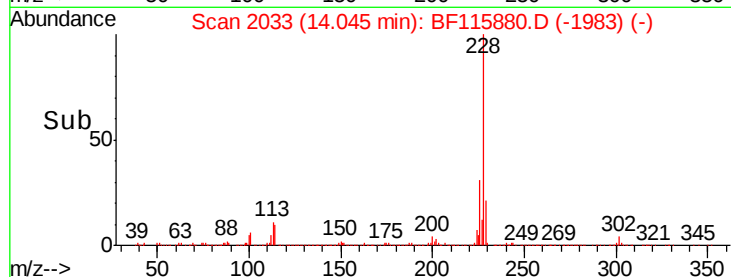
229 21.9 16.4 24.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.477 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

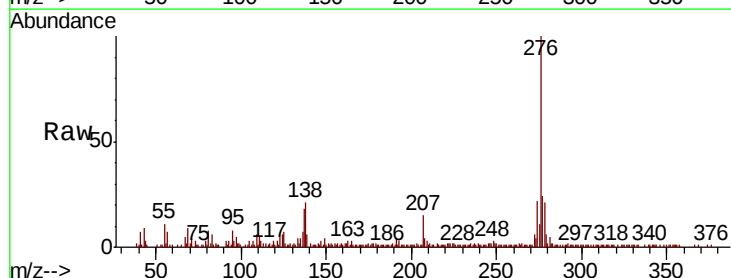
Tgt Ion:276 Resp: 113888

Ion Ratio Lower Upper

276 100

138 21.3 19.6 29.4

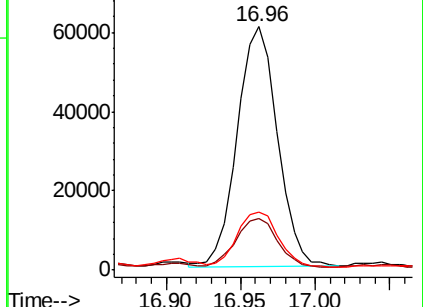
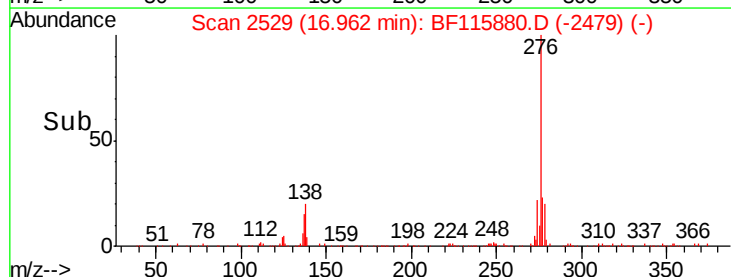
277 23.7 20.1 30.1

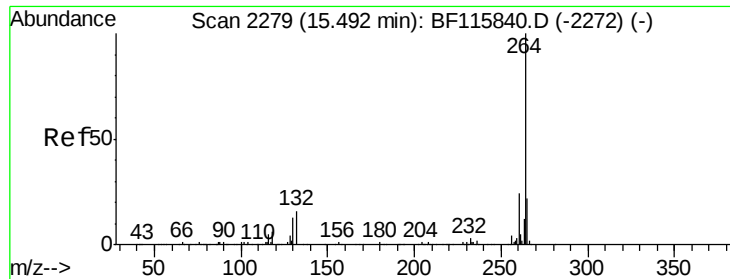


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

Instrument :

BNA_F

ClientSampleId :

TP-8

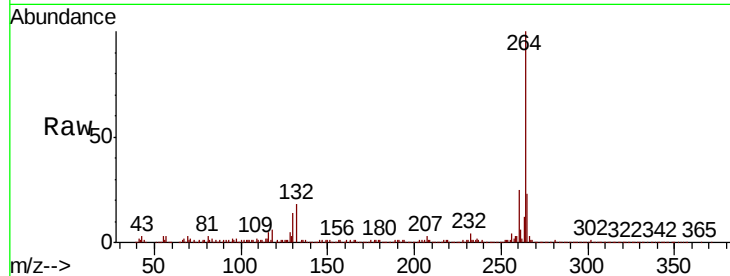
Tgt Ion:264 Resp: 363115

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.2

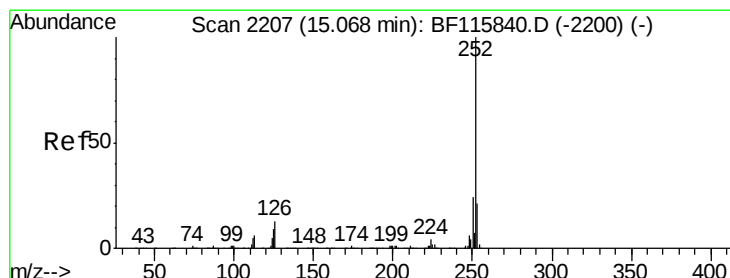
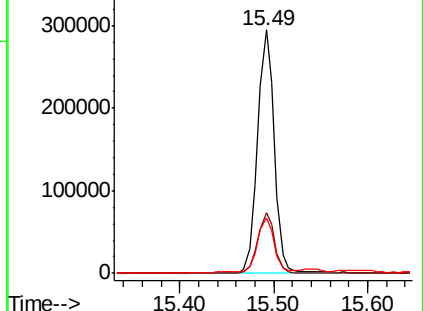
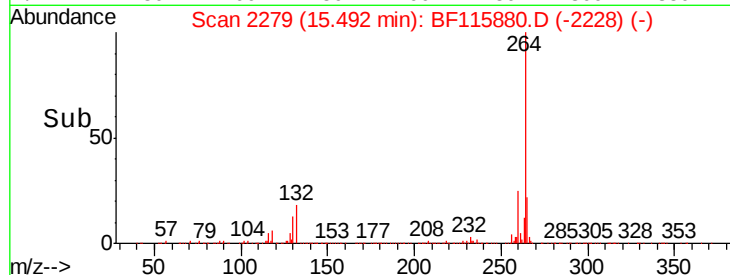
265 22.6 17.5 26.3



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: 18.235 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF115880.D

Acq: 31 Jul 2019 21:40

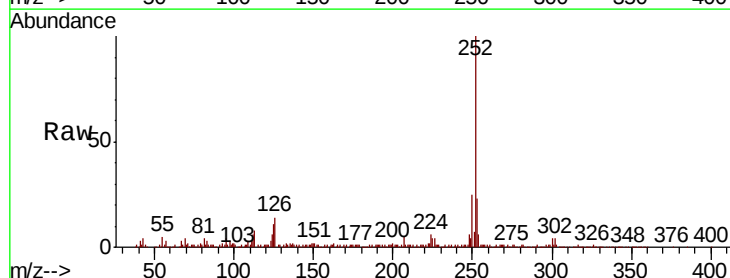
Tgt Ion:252 Resp: 382852

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

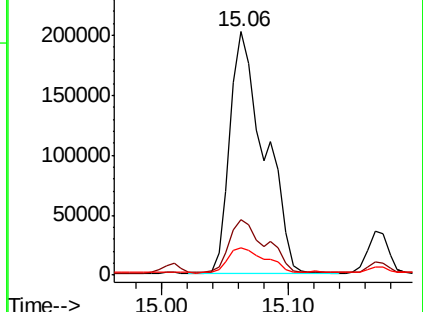
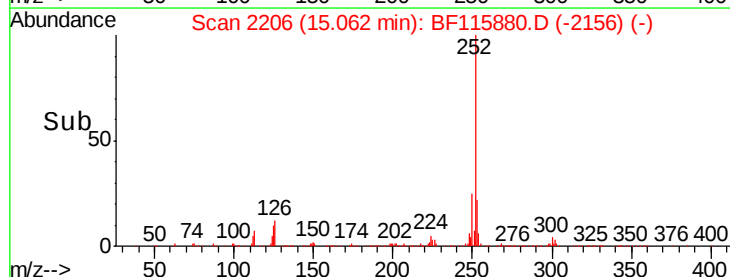
125 11.4 7.4 11.0#

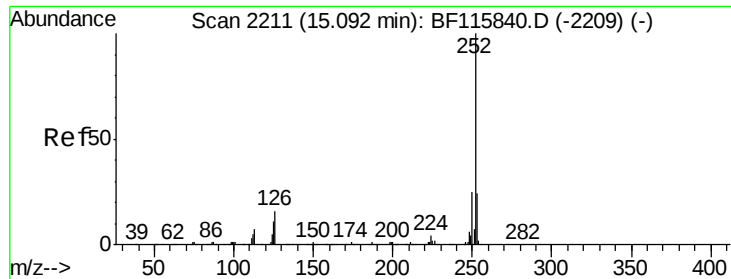


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

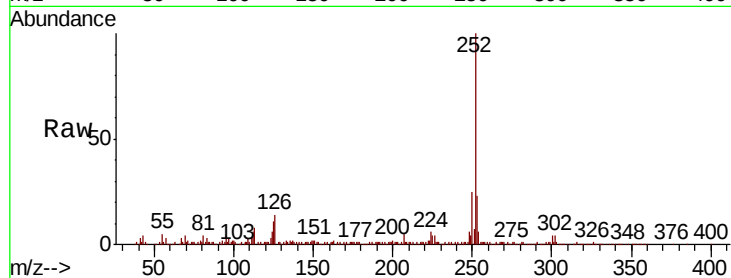




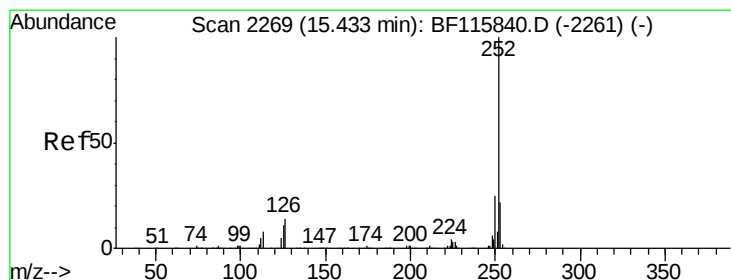
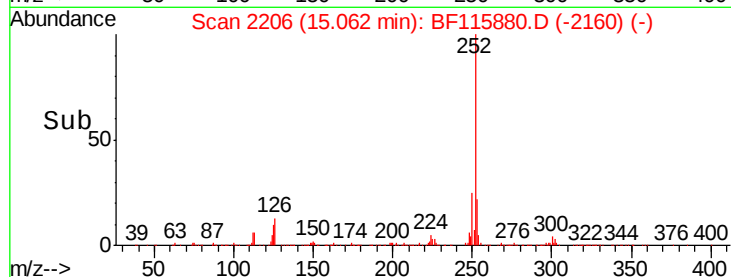
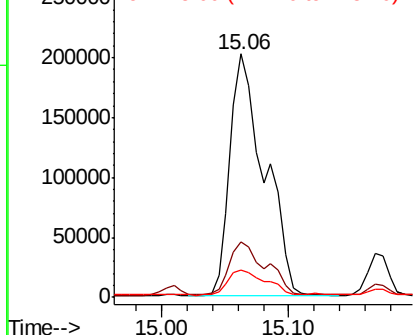
#89
Benzo(k)fluoranthene
Concen: 18.721 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:252 Resp: 382852
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 11.4 8.9 13.3

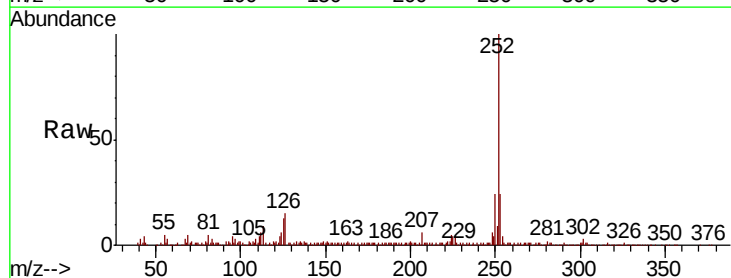


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

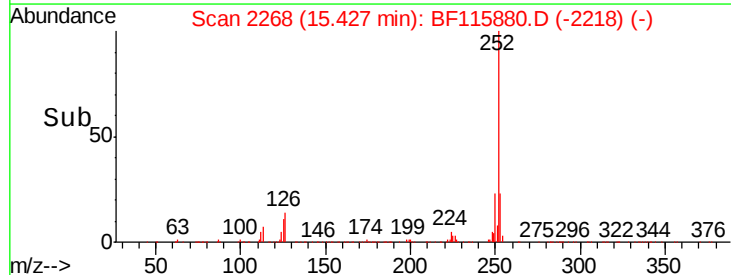
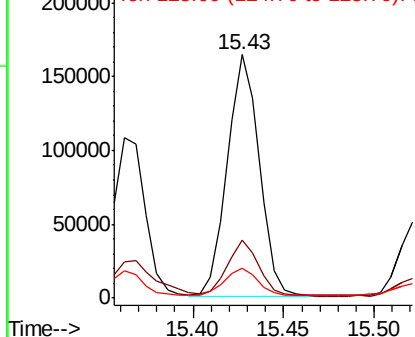


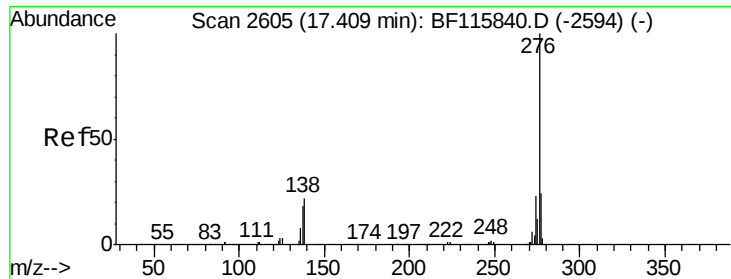
#90
Benzo(a)pyrene
Concen: 10.789 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115880.D
Acq: 31 Jul 2019 21:40

Tgt Ion:252 Resp: 202501
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 12.5 8.8 13.2



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(g,h,i)perylene
 Concen: 6.518 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: BF115880.D
 Acq: 31 Jul 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.5	29.3
138	22.9	17.8	26.8

