

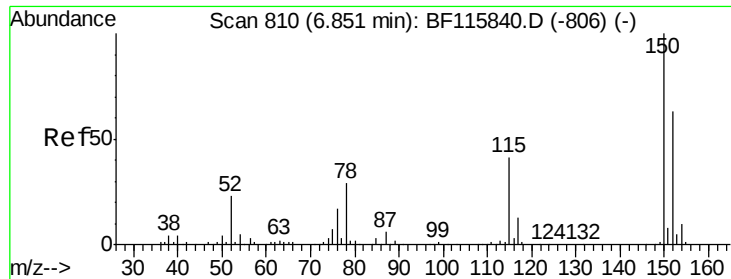
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080119\
 Data File : BF115925.D
 Acq On : 1 Aug 2019 23:42
 Operator : HP/JU
 Sample : K4044-17
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Aug 02 05:02:50 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	143343	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	536931	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	272237	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	409575	20.00	ng	0.00
76) Chrysene-d12	14.02	240	296294	20.00	ng	0.00
87) Perylene-d12	15.49	264	327355	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1078552	125.96	ng	0.01
7) Phenol-d6	6.49	99	1393906	129.03	ng	0.00
23) Nitrobenzene-d5	7.42	82	885654	95.21	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	321000	121.62	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1363138	93.79	ng	0.00
79) Terphenyl-d14	12.96	244	1155699	82.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	119191	17.804	ng	# 77
25) Isophorone	7.42	82	882908	49.639	ng	# 66
50) Dimethylphthalate	9.60	163	214488	11.571	ng	98
57) 2,4-Dinitrotoluene	9.89	165	34916	6.510	ng	# 24
67) 4-Bromophenyl-phenylether	10.68	248	19380	4.420	ng	# 1
75) Fluoranthene	12.59	202	47812	2.181	ng	99
78) Pyrene	12.82	202	47740	2.137	ng	96
88) Benzo(b)fluoranthene	15.06	252	54509	2.880	ng	# 94
89) Benzo(k)fluoranthene	15.06	252	54509	2.957	ng	# 97

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

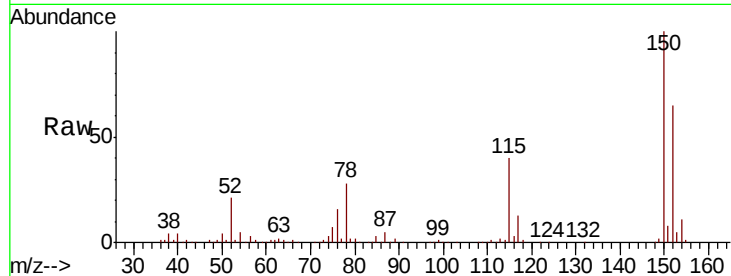


#1

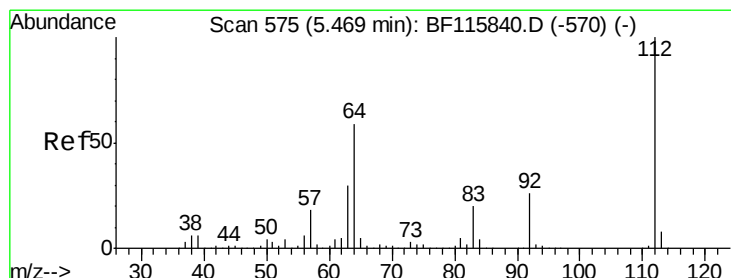
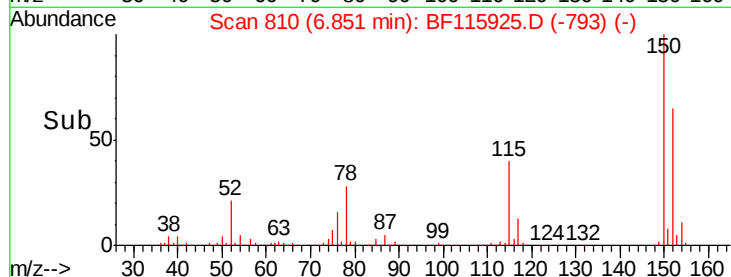
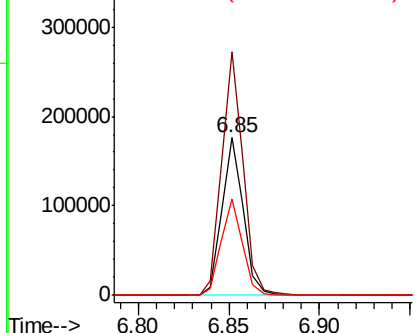
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 143343
Ion Ratio Lower Upper
152 100
150 154.4 127.4 191.0
115 61.5 51.8 77.8



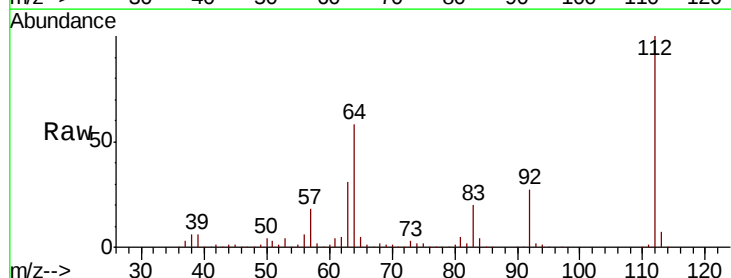
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



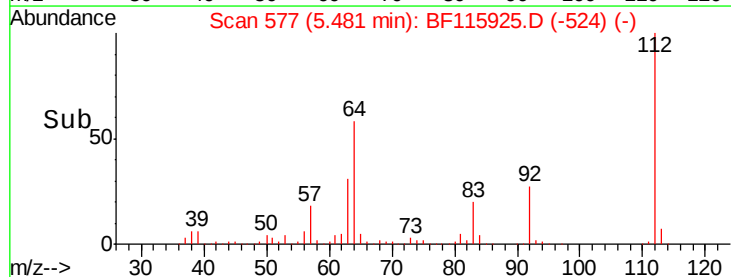
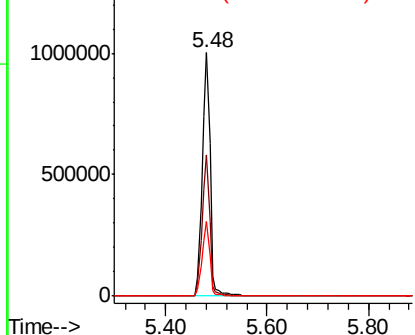
#5

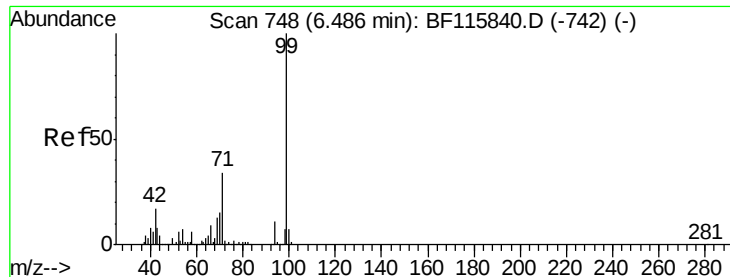
2-Fluorophenol
Concen: 125.961 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

Tgt Ion:112 Resp: 1078552
Ion Ratio Lower Upper
112 100
64 57.9 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: 129.027 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

Instrument :

BNA_F

ClientSampleId :

TP-3

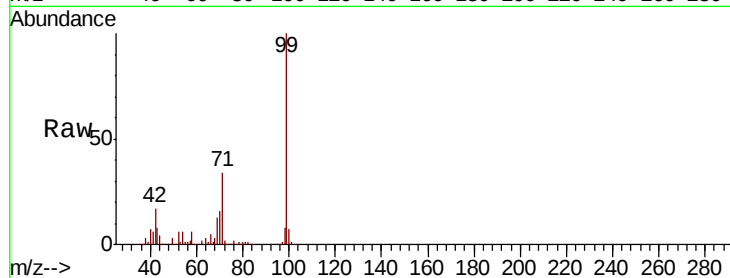
Tgt Ion: 99 Resp: 1393906

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

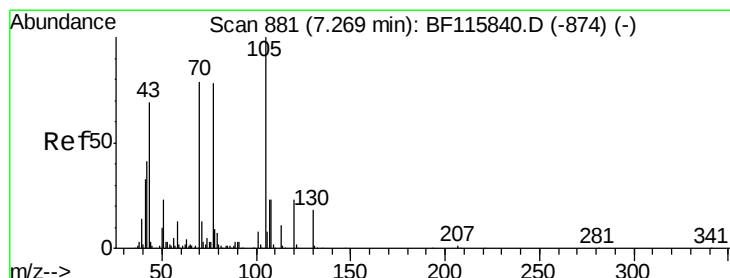
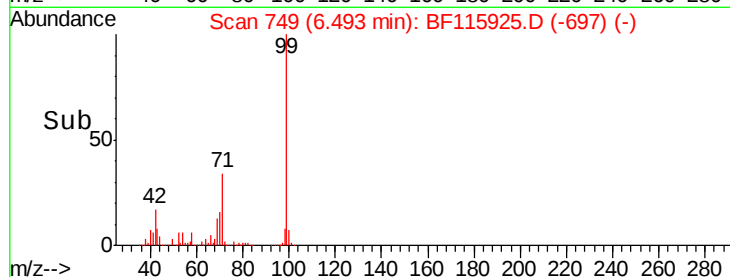
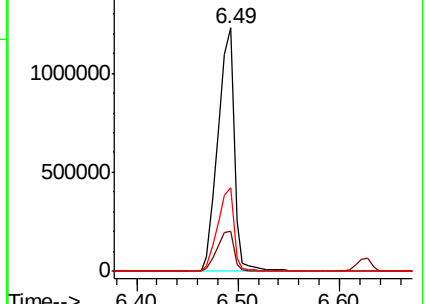
71 34.4 27.1 40.7



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: 17.804 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

Tgt Ion: 70 Resp: 119191

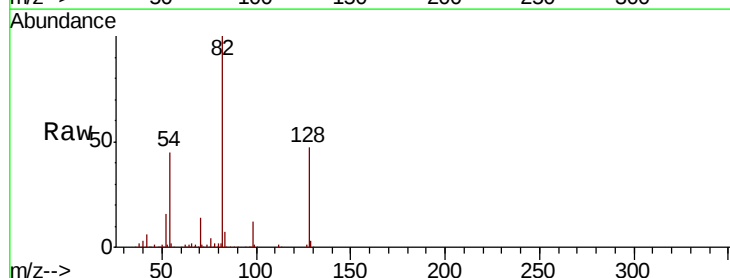
Ion Ratio Lower Upper

70 100

42 41.5 41.8 62.8#

101 0.0 7.7 11.5#

130 2.4 17.8 26.6#

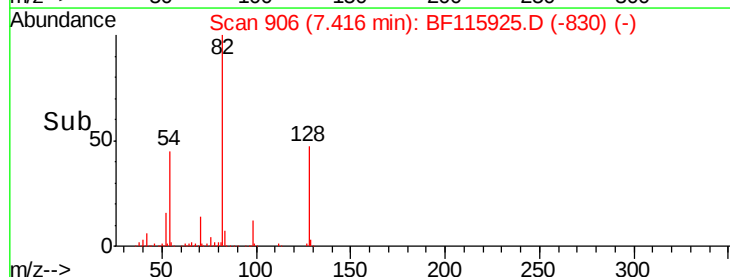
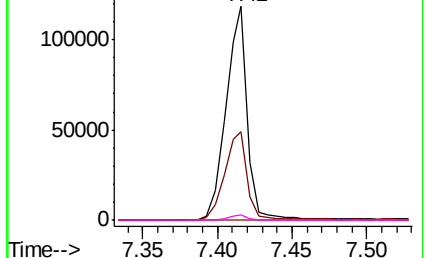


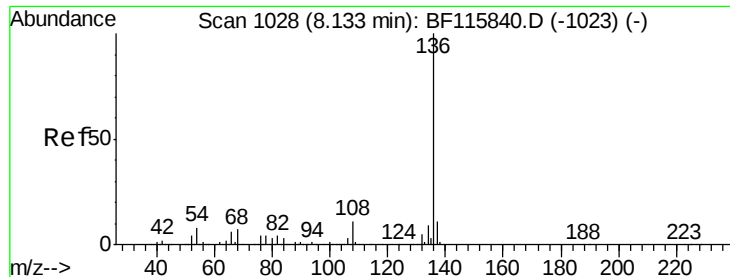
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

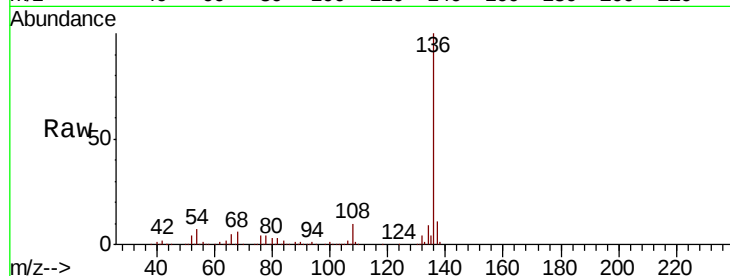




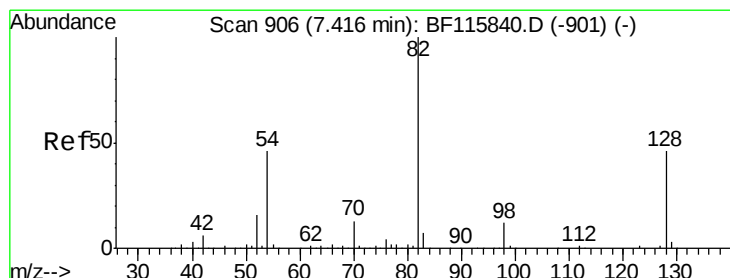
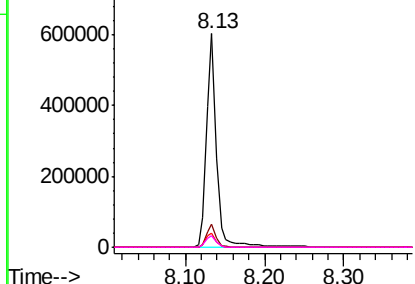
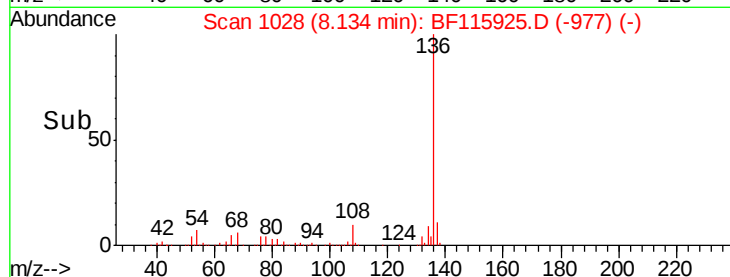
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:	136	Resp:	536931
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.7	6.1	9.1
68	5.6	5.4	8.2

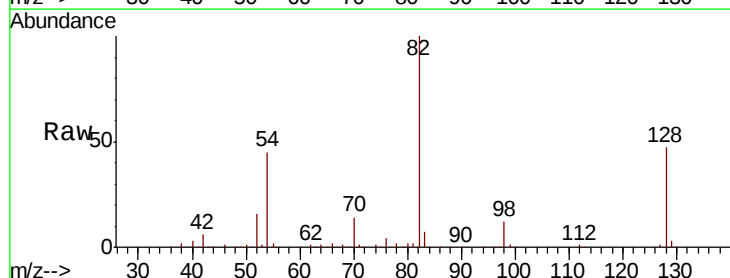


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

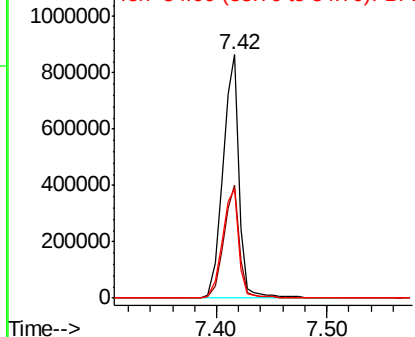
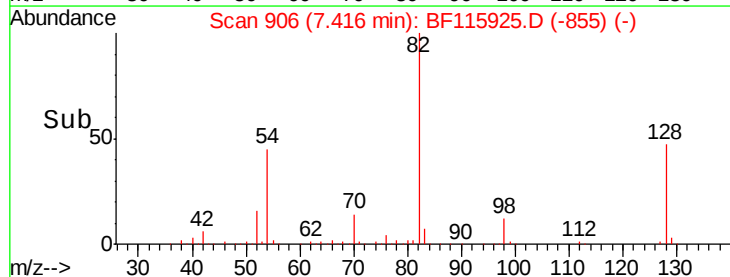


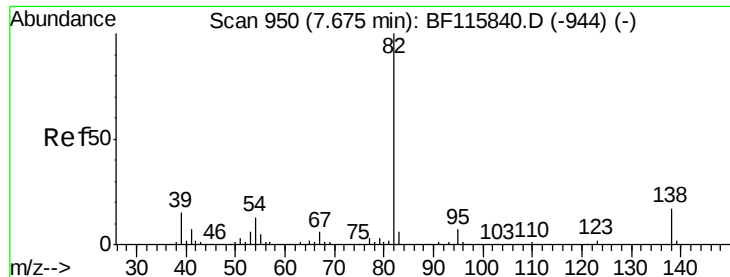
#23
Nitrobenzene-d5
Concen: 95.213 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

Tgt Ion:	82	Resp:	885654
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.6	55.0
54	44.8	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: 49.639 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

Instrument :

BNA_F

ClientSampleId :

TP-3

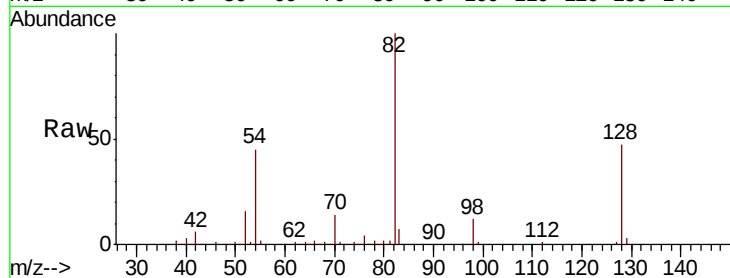
Tgt Ion: 82 Resp: 882908

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

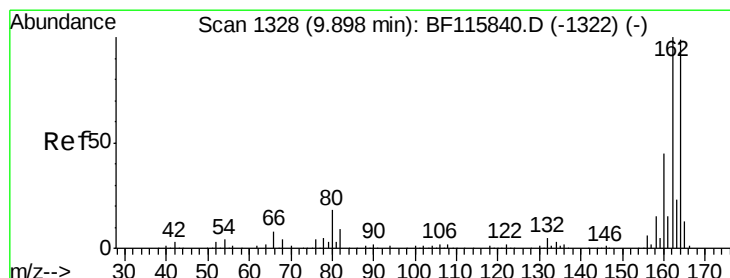
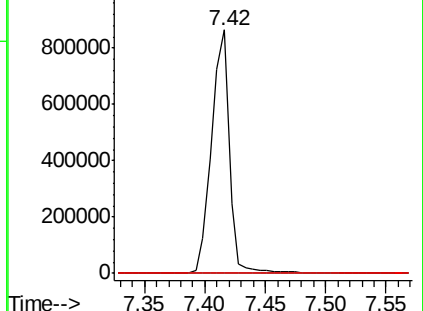
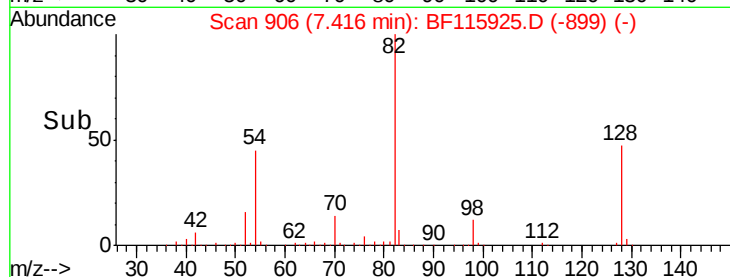
138 0.0 13.9 20.9#



Abundance Ion 82.00 (81.70 to 82.70): BF115840.D (-944) (-)

Ion 95.00 (94.70 to 95.70): BF115840.D (-944) (-)

Ion 138.00 (137.70 to 138.70): BF115840.D (-944) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

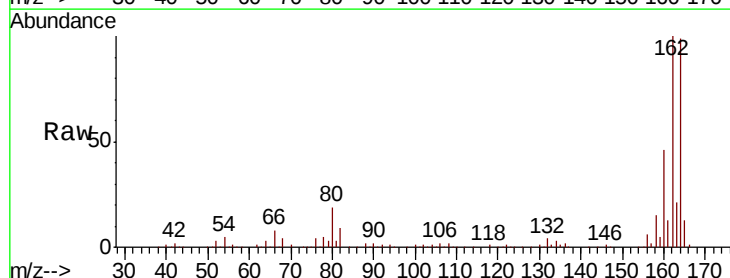
Tgt Ion: 164 Resp: 272237

Ion Ratio Lower Upper

164 100

162 101.2 80.8 121.2

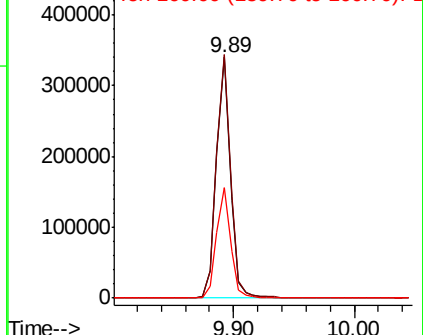
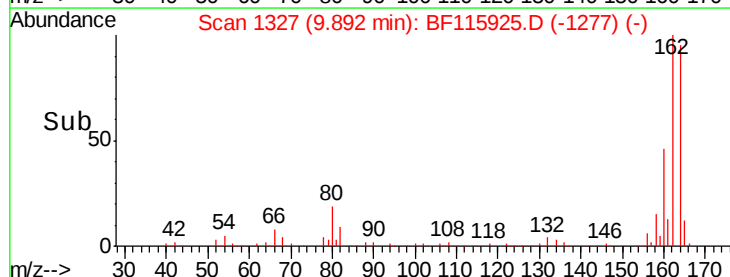
160 46.1 36.2 54.4

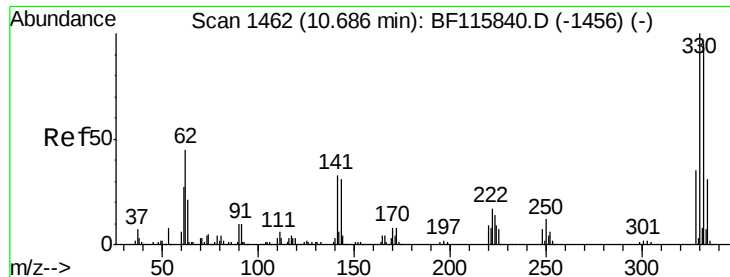


Abundance Ion 164.00 (163.70 to 164.70): BF115840.D (-1322) (-)

Ion 162.00 (161.70 to 162.70): BF115840.D (-1322) (-)

Ion 160.00 (159.70 to 160.70): BF115840.D (-1322) (-)

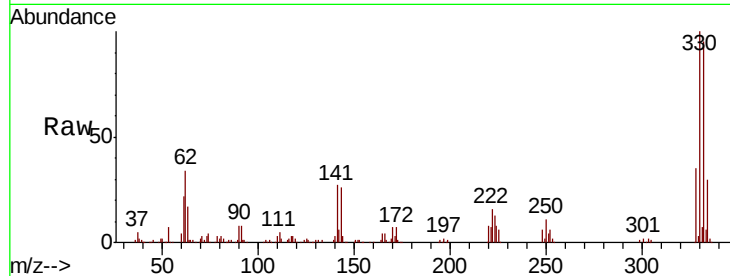




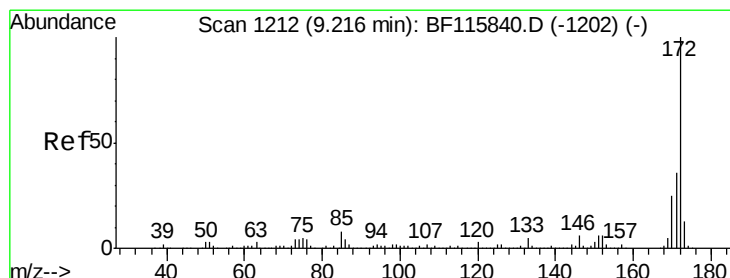
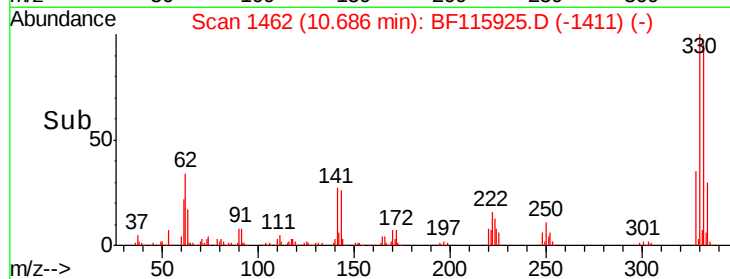
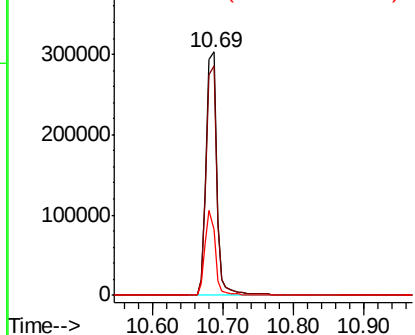
#42
 2,4,6-Tribromophenol
 Concen: 121.618 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BF115925.D
 Acq: 1 Aug 2019 23:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:330 Resp: 321000
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.7 116.5
 141 33.9 28.1 42.1

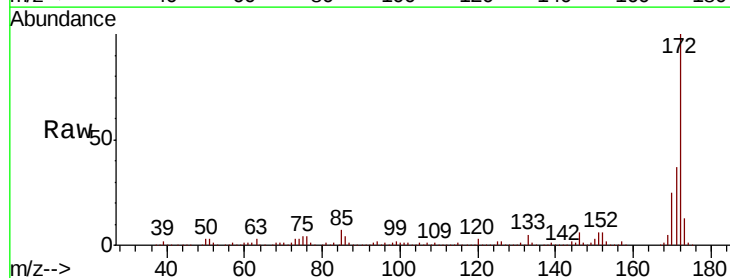


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

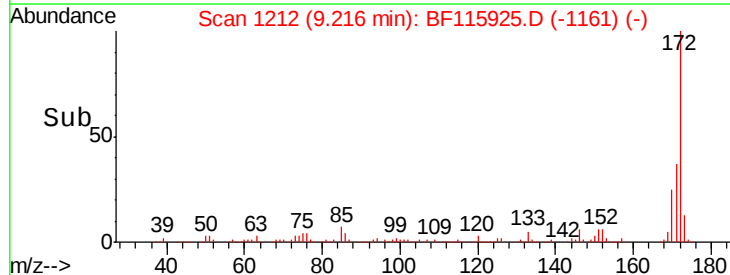
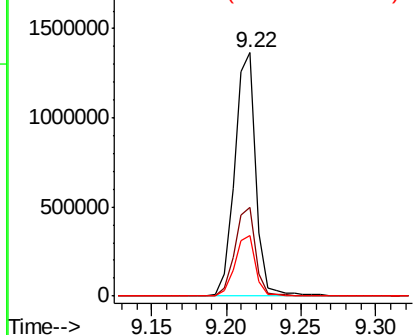


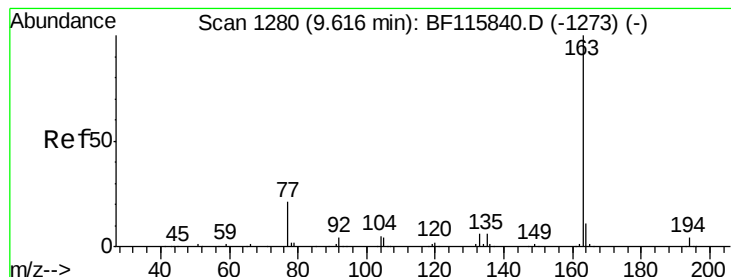
#45
 2-Fluorobiphenyl
 Concen: 93.788 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF115925.D
 Acq: 1 Aug 2019 23:42

Tgt Ion:172 Resp: 1363138
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.1 43.7
 170 24.8 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: 11.571 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

Instrument :

BNA_F

ClientSampleId :

TP-3

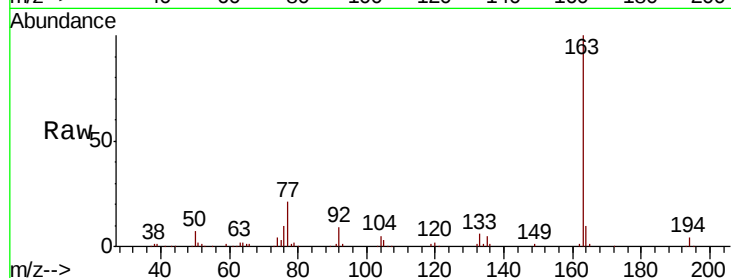
Tgt Ion:163 Resp: 214488

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

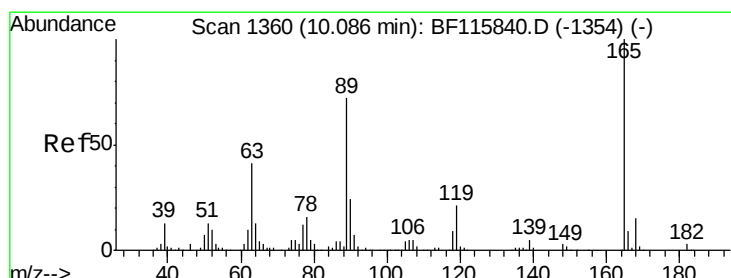
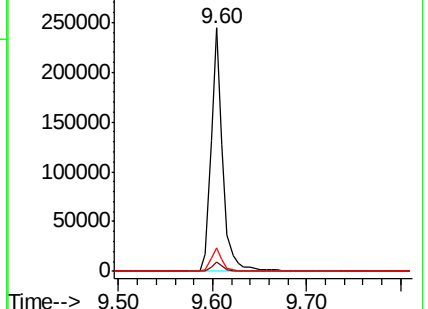
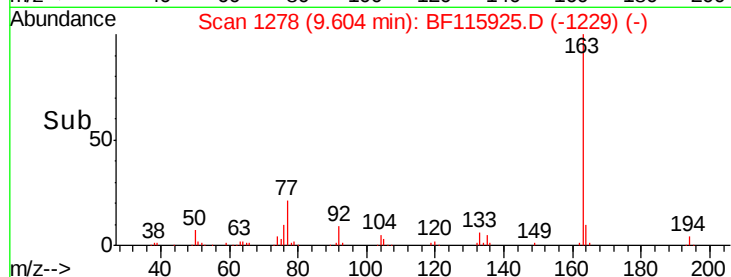
164 9.6 8.4 12.6



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: 6.510 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

Tgt Ion:165 Resp: 34916

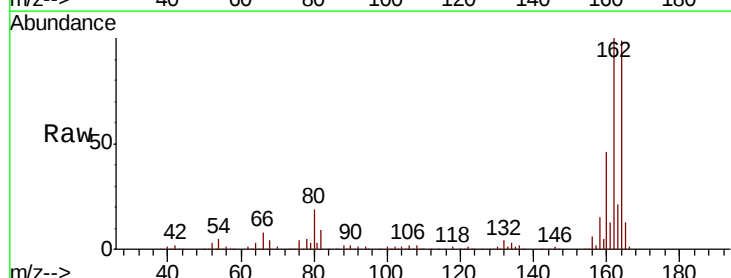
Ion Ratio Lower Upper

165 100

63 0.8 33.2 49.8#

89 1.4 57.3 85.9#

182 0.0 2.1 3.1#

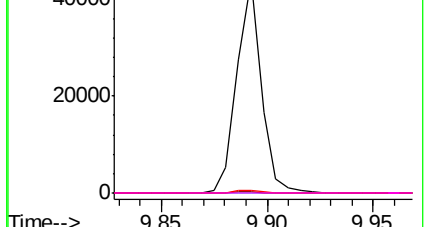
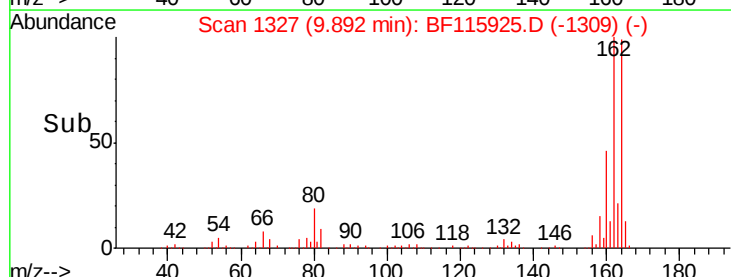


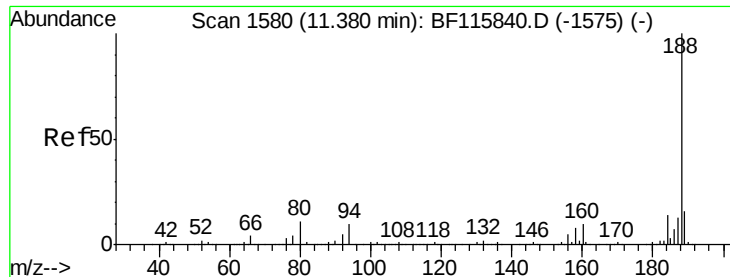
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF115925.D

Acq: 1 Aug 2019 23:42

Instrument :

BNA_F

ClientSampleId :

TP-3

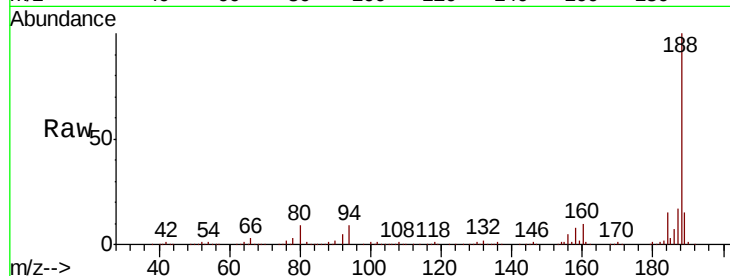
Tgt Ion:188 Resp: 409575

Ion Ratio Lower Upper

188 100

94 8.8 8.0 12.0

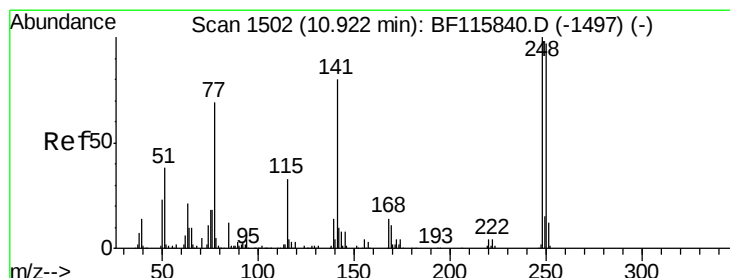
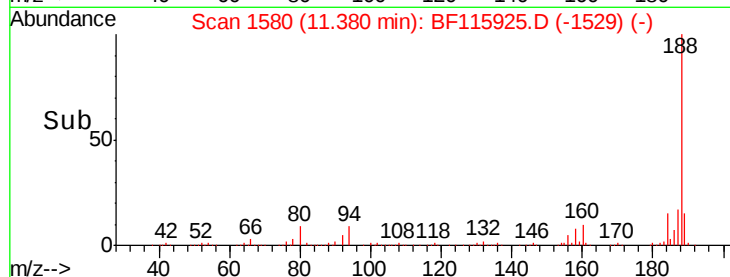
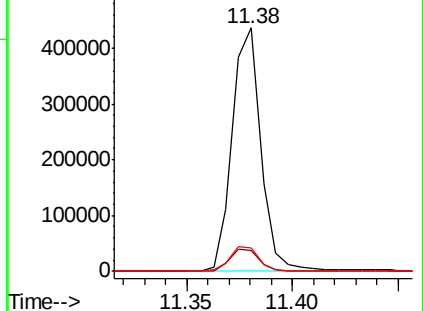
80 9.4 8.6 12.8



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: 4.420 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.24 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

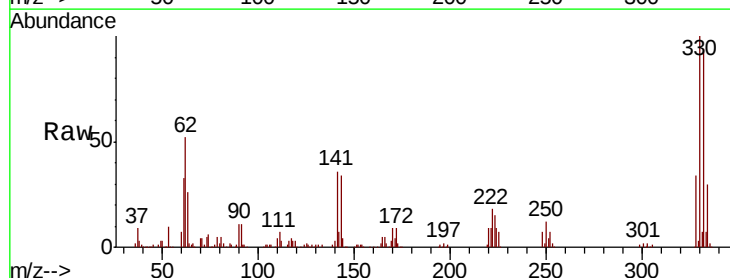
Tgt Ion:248 Resp: 19380

Ion Ratio Lower Upper

248 100

250 184.8 77.8 116.6#

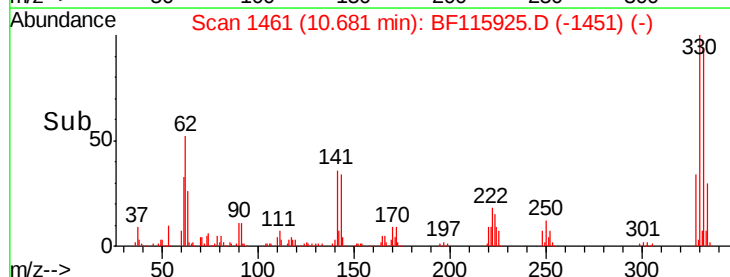
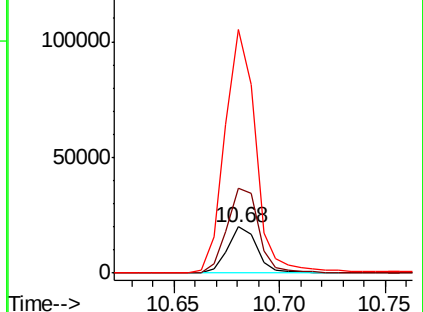
141 530.2 64.3 96.5#

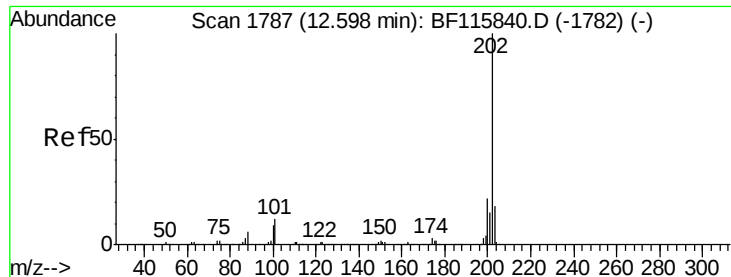


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.181 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF115925.D

Acq: 1 Aug 2019 23:42

Instrument :

BNA_F

ClientSampleId :

TP-3

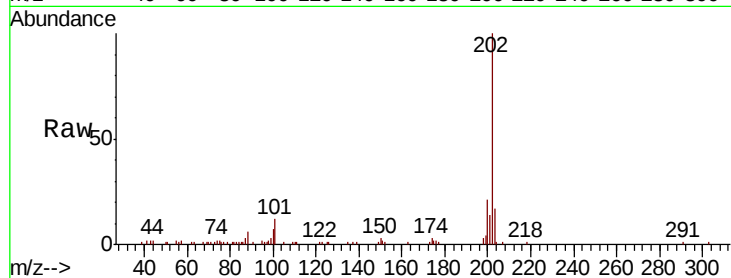
Tgt Ion:202 Resp: 47812

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.5

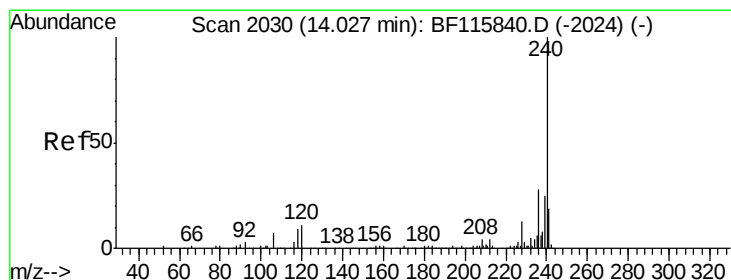
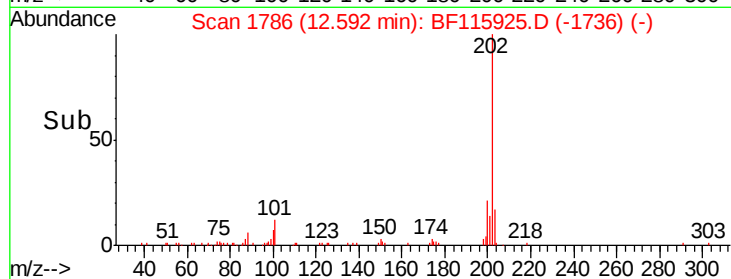
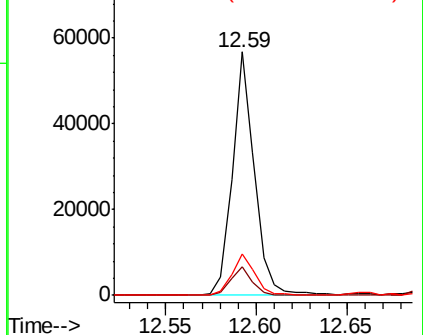
203 17.2 0.0 37.9



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: BF115925.D

Acq: 1 Aug 2019 23:42

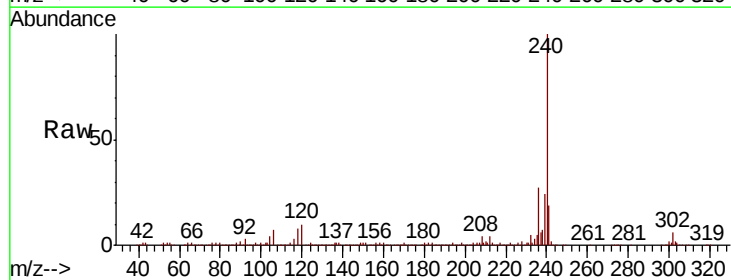
Tgt Ion:240 Resp: 296294

Ion Ratio Lower Upper

240 100

120 10.0 8.5 12.7

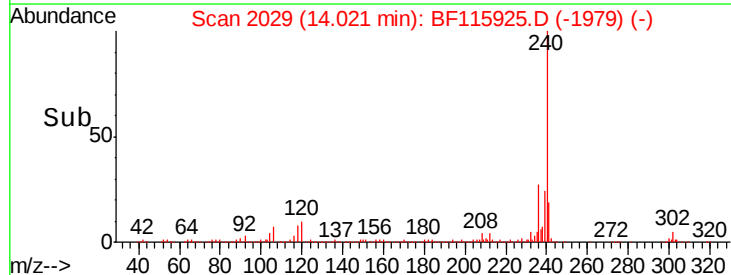
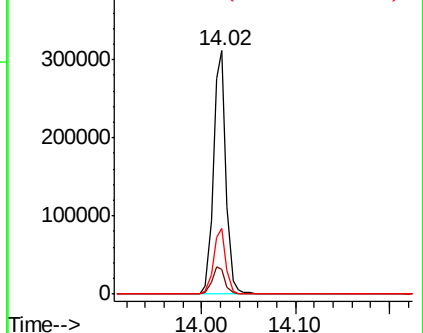
236 26.9 22.2 33.2

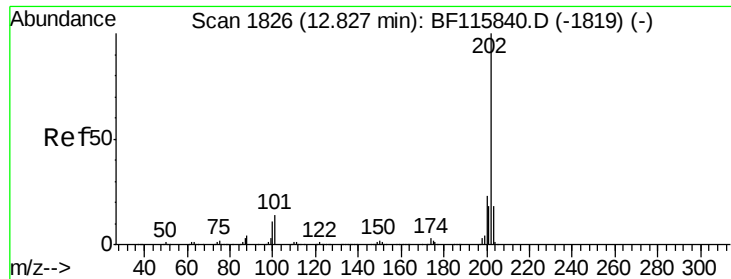


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

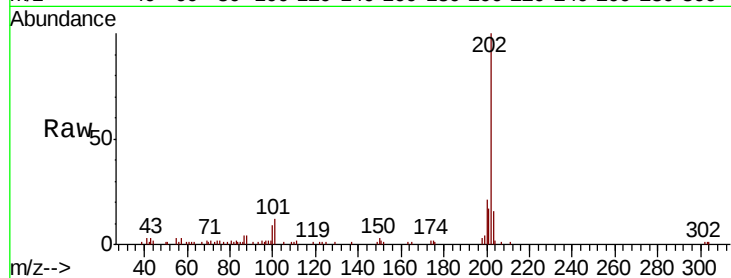




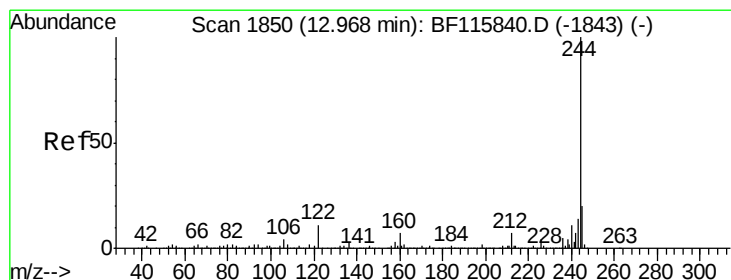
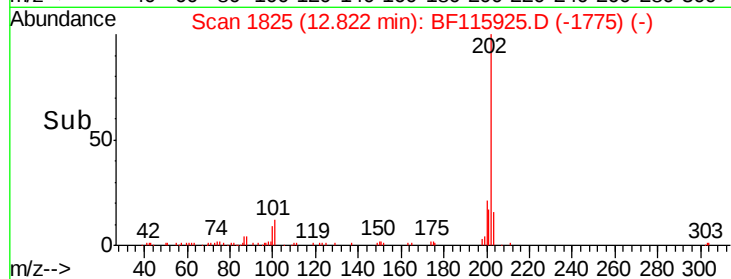
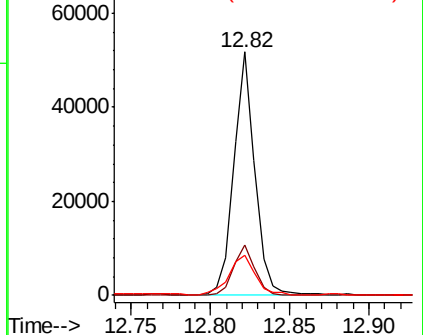
#78
Pyrene
Concen: 2.137 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 202 Resp: 47740
Ion Ratio Lower Upper
202 100
200 20.9 18.2 27.2
203 16.5 14.3 21.5

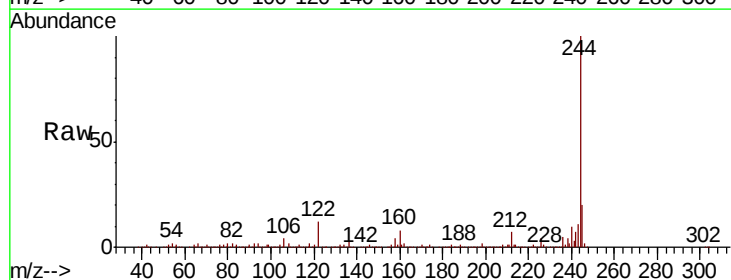


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

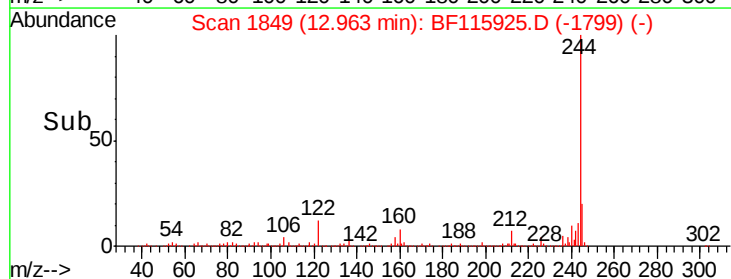
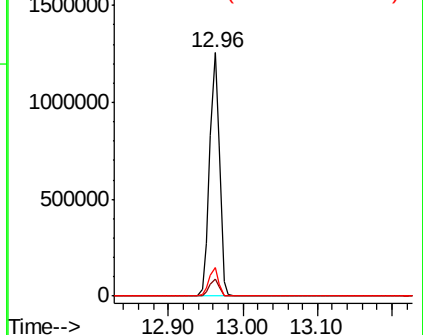


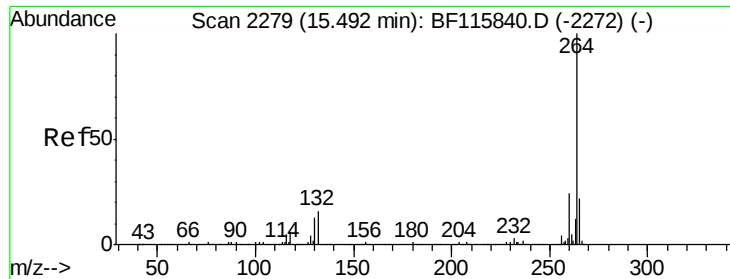
#79
Terphenyl-d14
Concen: 82.190 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

Tgt Ion: 244 Resp: 1155699
Ion Ratio Lower Upper
244 100
212 7.2 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

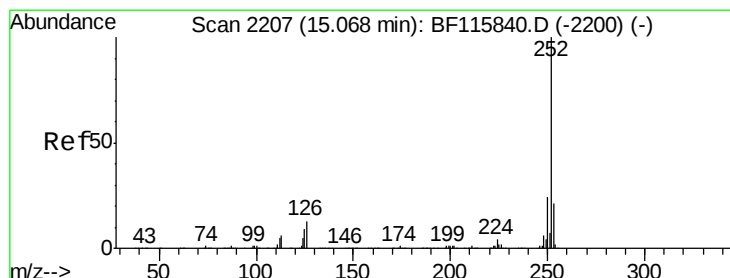
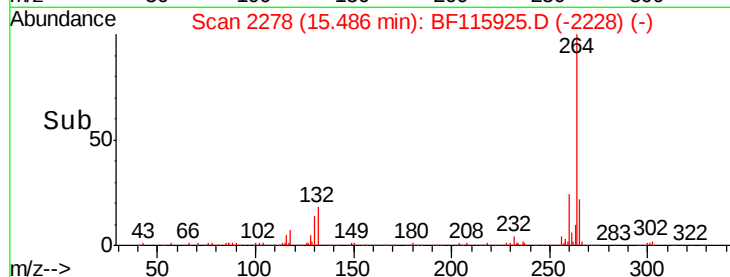
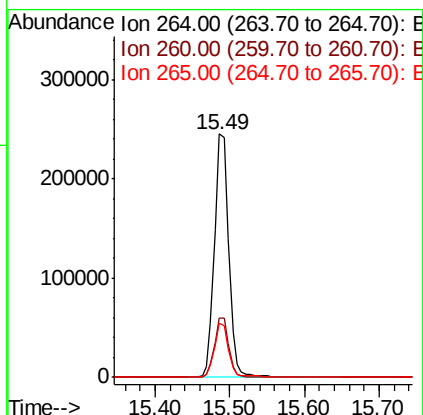
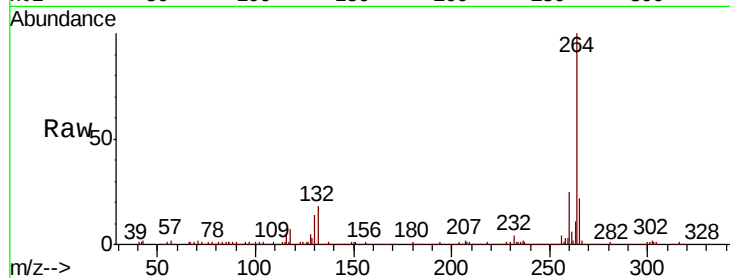




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

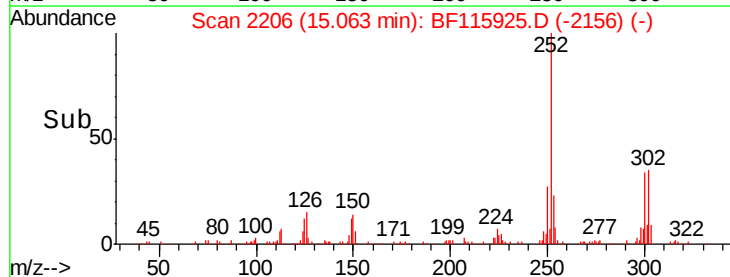
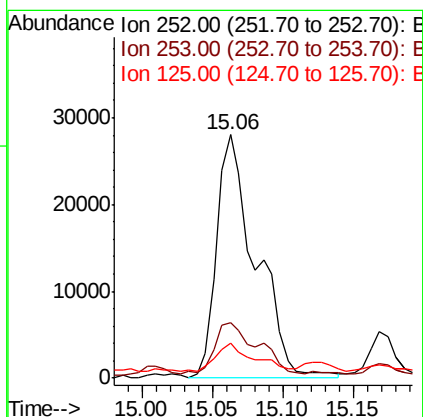
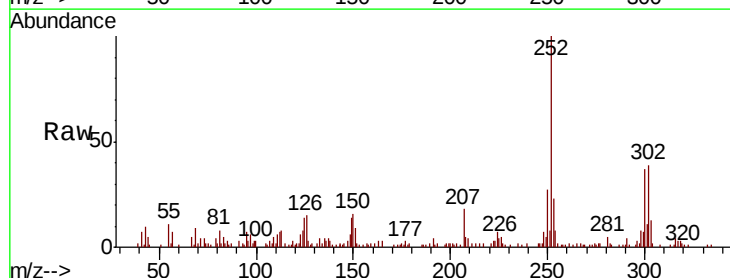
Instrument :
BNA_F
ClientSampleId :
TP-3

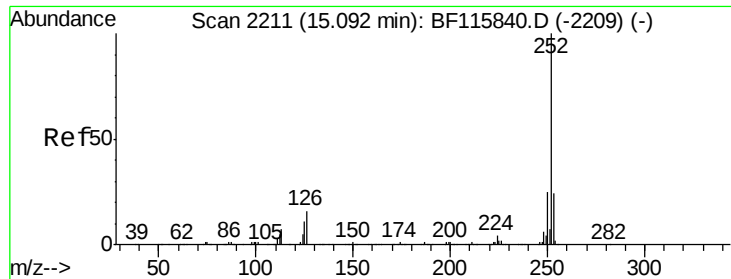
Tgt Ion:264 Resp: 327355
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 22.3 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 2.880 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115925.D
Acq: 1 Aug 2019 23:42

Tgt Ion:252 Resp: 54509
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 14.4 7.4 11.0#





#89
 Benzo(k)fluoranthene
 Concen: 2.957 ng
 RT: 15.06 min Scan# 2206
 Delta R.T. -0.03 min
 Lab File: BF115925.D
 Acq: 1 Aug 2019 23:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	14.4	8.9	13.3

