

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
 Data File : BF115875.D
 Acq On : 31 Jul 2019 19:26
 Operator : HP/JU
 Sample : K4044-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Aug 01 04:57:23 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	140837	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	530036	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	277815	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	455090	20.00	ng	0.00
76) Chrysene-d12	14.02	240	355225	20.00	ng	0.00
87) Perylene-d12	15.49	264	398222	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	871492	103.59	ng	0.00
7) Phenol-d6	6.49	99	1142858	107.67	ng	0.00
23) Nitrobenzene-d5	7.41	82	710217	77.35	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	258946	96.14	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1200735	80.96	ng	0.00
79) Terphenyl-d14	12.96	244	1167285	69.24	ng	0.00

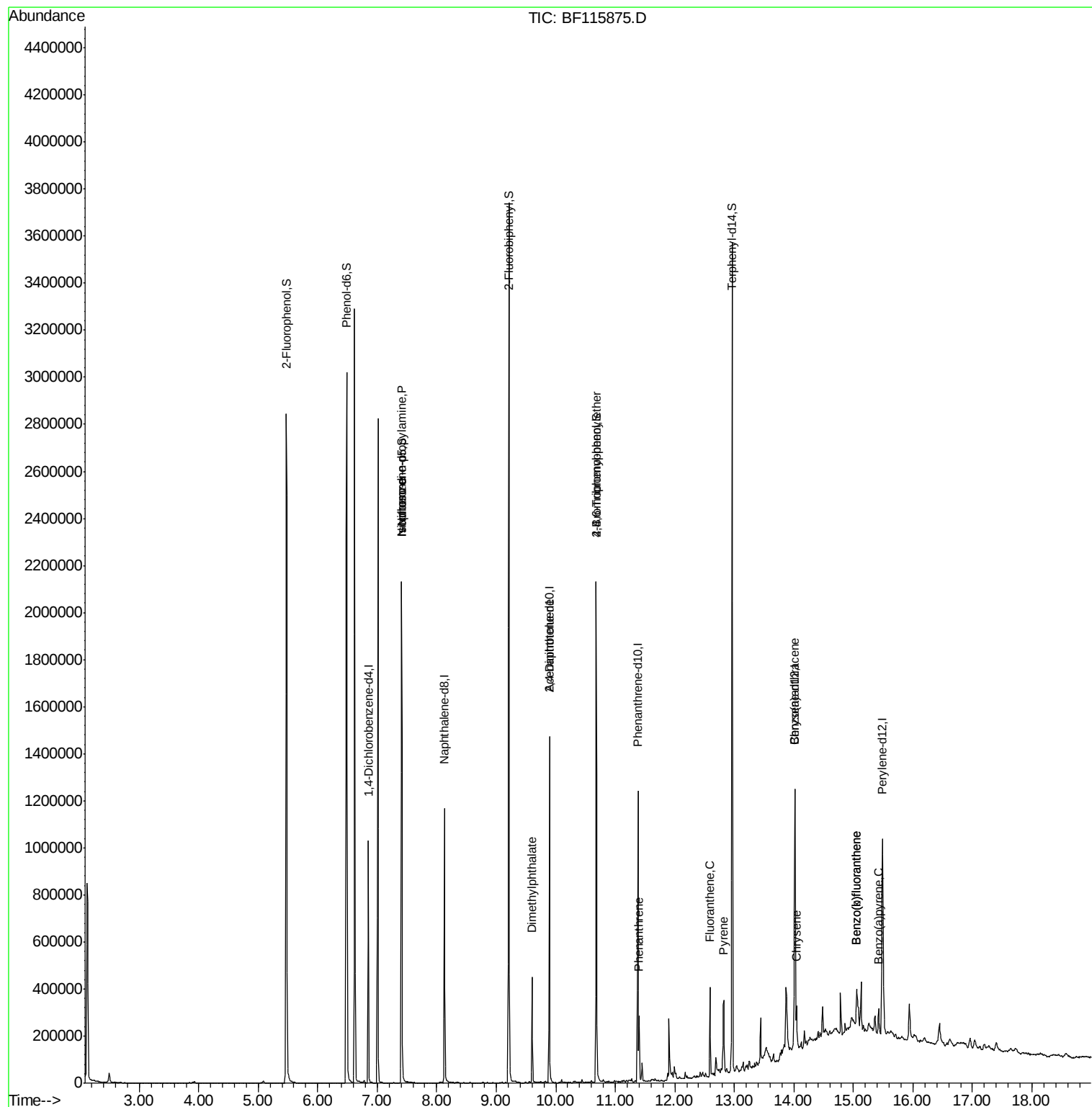
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	95612	14.536	ng	# 78
25) Isophorone	7.41	82	704989	40.152	ng	# 66
50) Dimethylphthalate	9.60	163	164908	8.718	ng	100
57) 2,4-Dinitrotoluene	9.89	165	35225	6.436	ng	# 25
67) 4-Bromophenyl-phenylether	10.68	248	15845	3.252	ng	# 1
71) Phenanthrene	11.40	178	98084	4.216	ng	98
75) Fluoranthene	12.59	202	153625	6.307	ng	98
78) Pyrene	12.82	202	132830	4.961	ng	97
81) Benzo(a)anthracene	14.01	228	70725	3.115	ng	100
83) Chrysene	14.04	228	61910	2.809	ng	99
88) Benzo(b)fluoranthene	15.06	252	97277	4.225	ng	# 93
89) Benzo(k)fluoranthene	15.06	252	97277	4.337	ng	# 97
90) Benzo(a)pyrene	15.42	252	54263	2.636	ng	# 95

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

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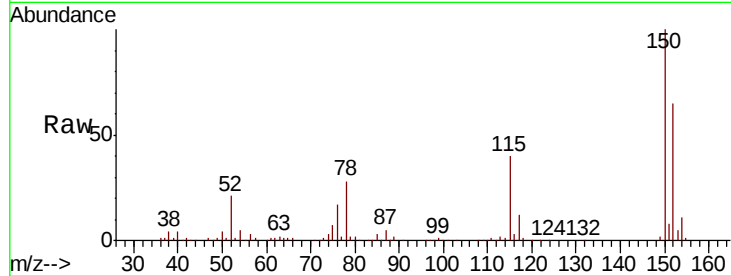


#1

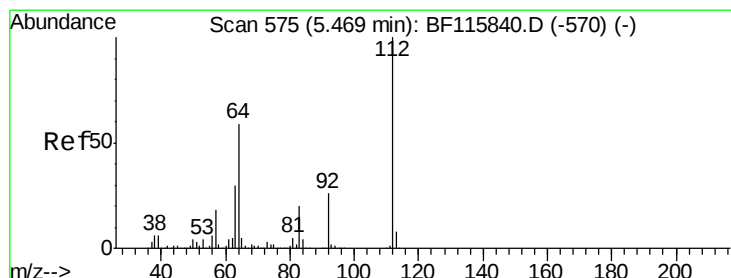
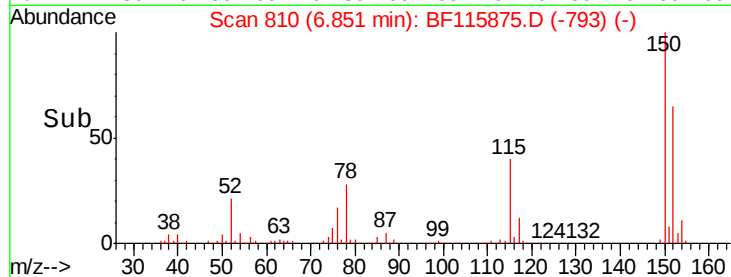
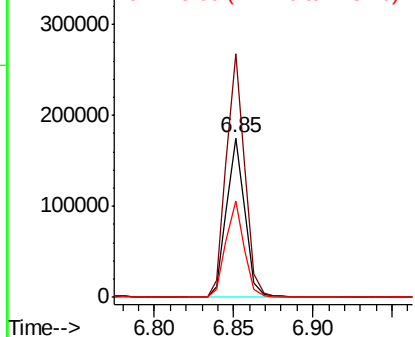
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 140837
Ion Ratio Lower Upper
152 100
150 152.7 127.4 191.0
115 60.8 51.8 77.8



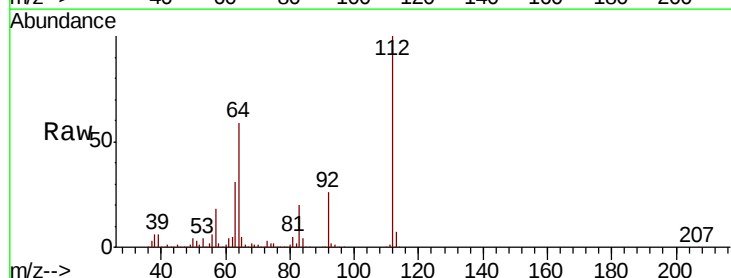
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



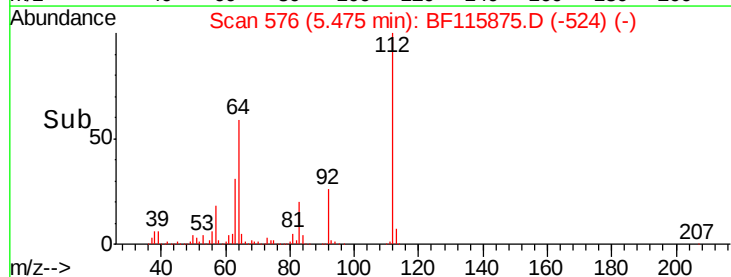
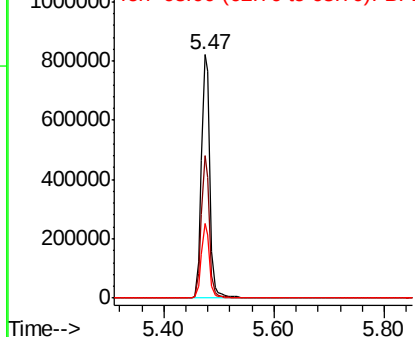
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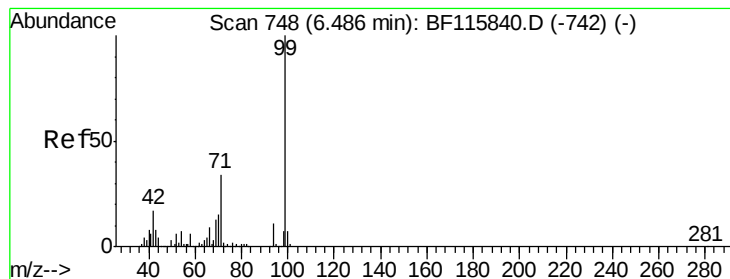
2-Fluorophenol
Concen: 103.590 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Tgt Ion:112 Resp: 871492
Ion Ratio Lower Upper
112 100
64 58.7 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: 107.671 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

Instrument :

BNA_F

ClientSampled :

TP-5

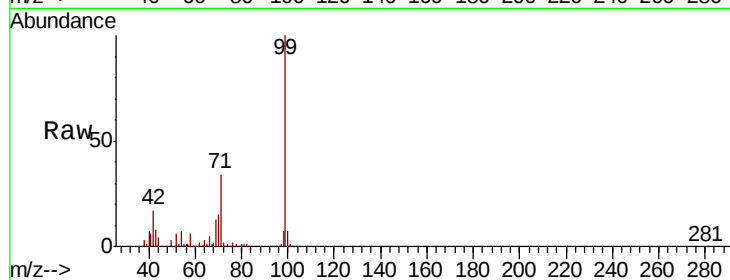
Tgt Ion: 99 Resp: 1142858

Ion Ratio Lower Upper

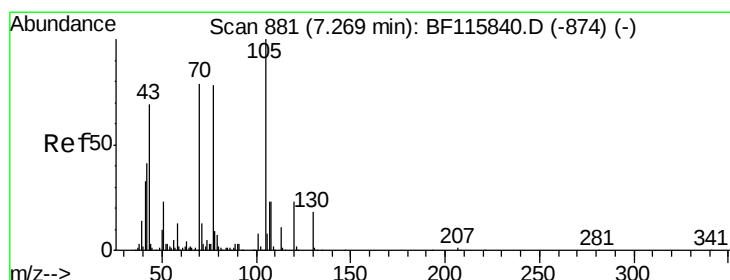
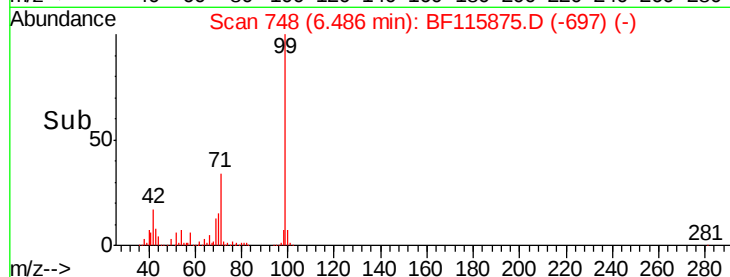
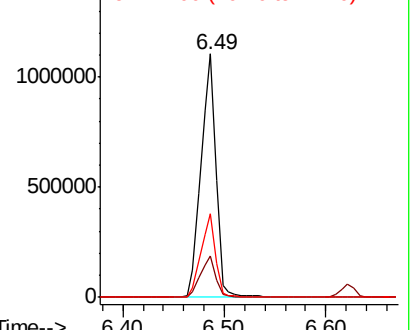
99 100

42 16.9 13.8 20.6

71 34.3 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: 14.536 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

Tgt Ion: 70 Resp: 95612

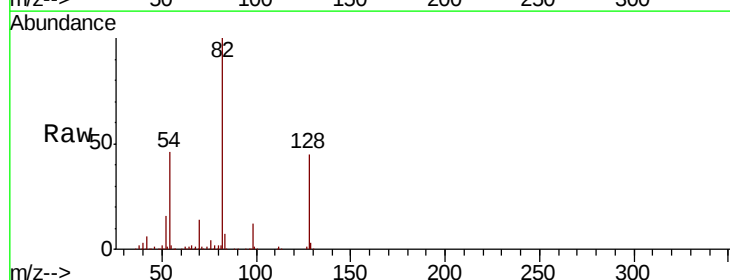
Ion Ratio Lower Upper

70 100

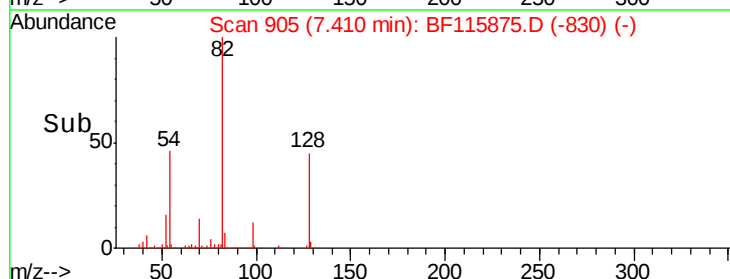
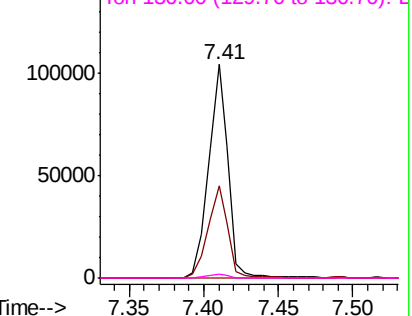
42 43.3 41.8 62.8

101 0.0 7.7 11.5#

130 2.0 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

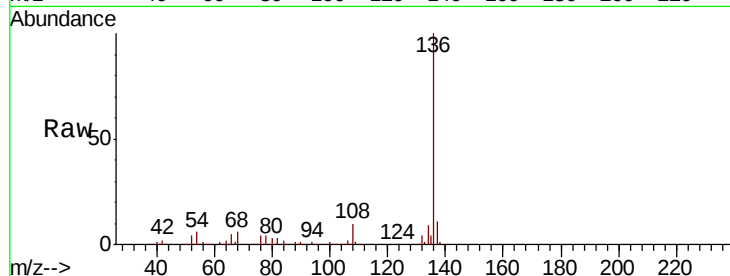




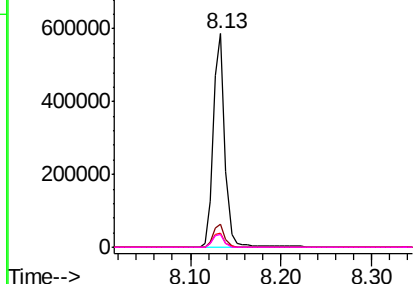
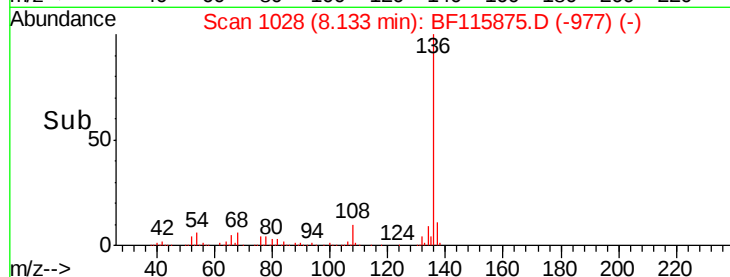
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:	136	Resp:	530036
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.5	6.1	9.1
68	5.8	5.4	8.2

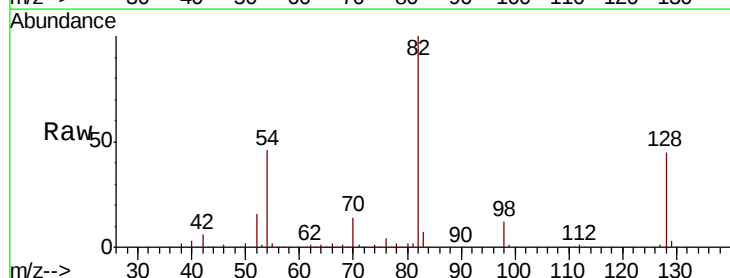


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

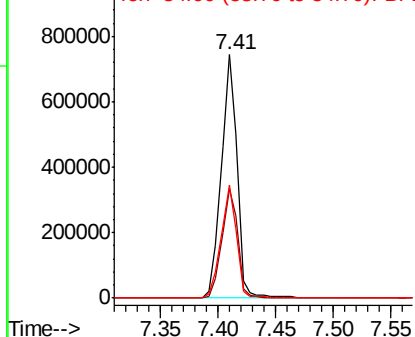
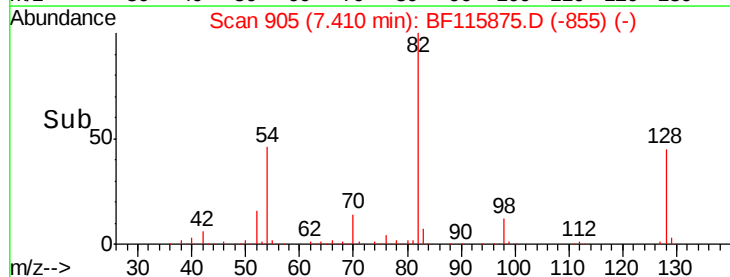


#23
Nitrobenzene-d5
Concen: 77.346 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Tgt Ion:	82	Resp:	710217
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.6	55.0
54	46.5	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

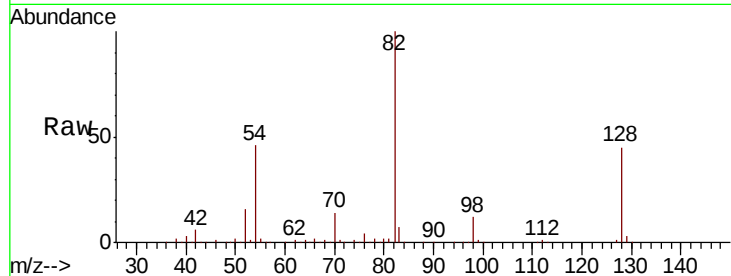




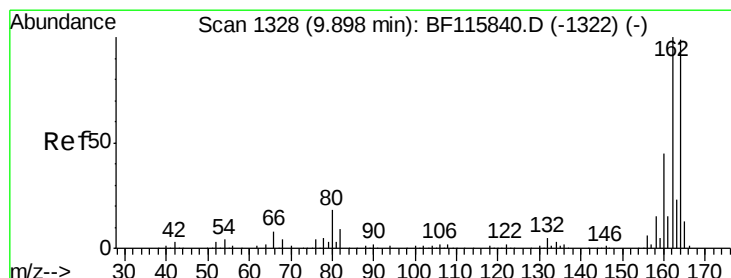
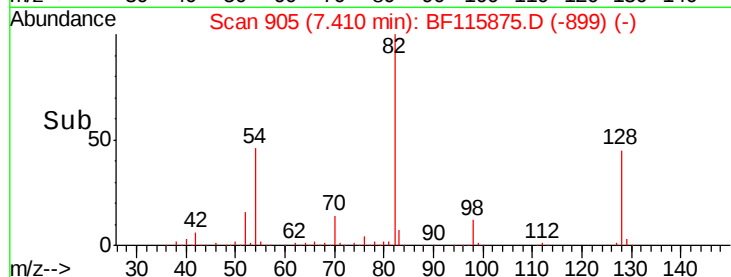
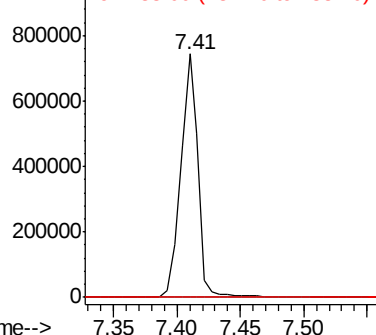
#25
Isophorone
Concen: 40.152 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 704989
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#

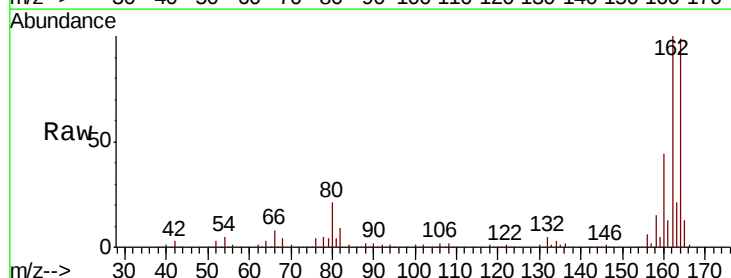


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

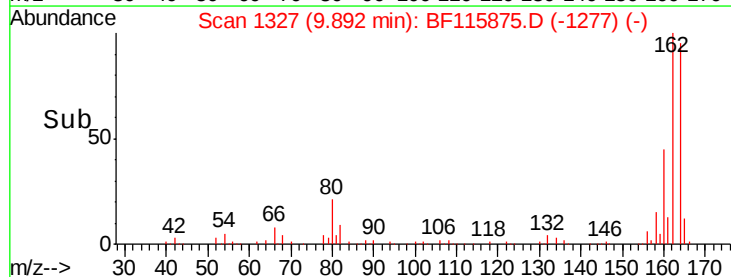
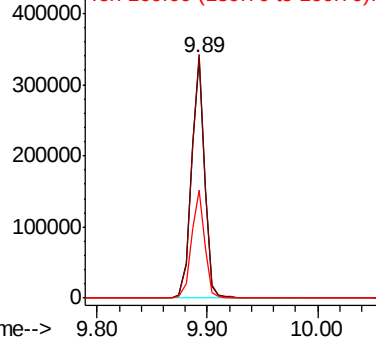


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Tgt Ion: 164 Resp: 277815
Ion Ratio Lower Upper
164 100
162 101.5 80.8 121.2
160 45.1 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

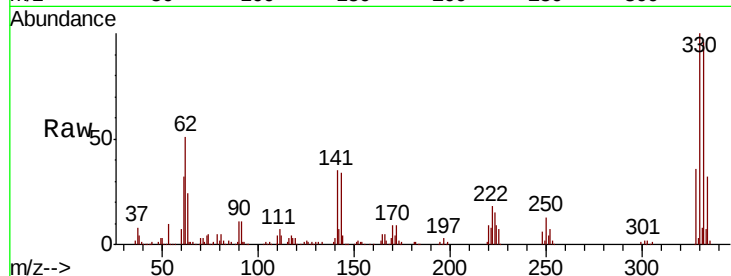




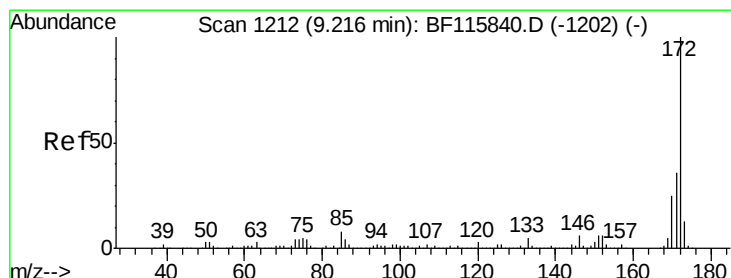
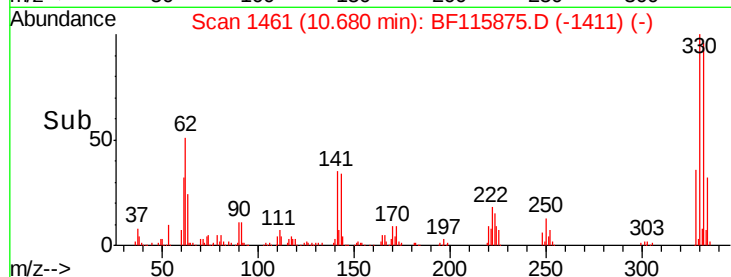
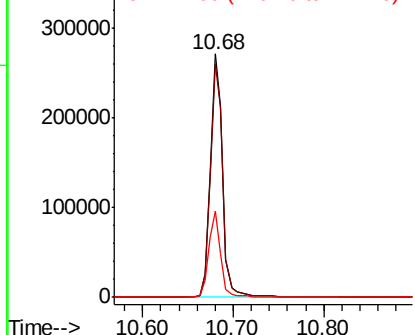
#42
 2,4,6-Tribromophenol
 Concen: 96.138 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115875.D
 Acq: 31 Jul 2019 19:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:330 Resp: 258946
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.7 116.5
 141 34.4 28.1 42.1

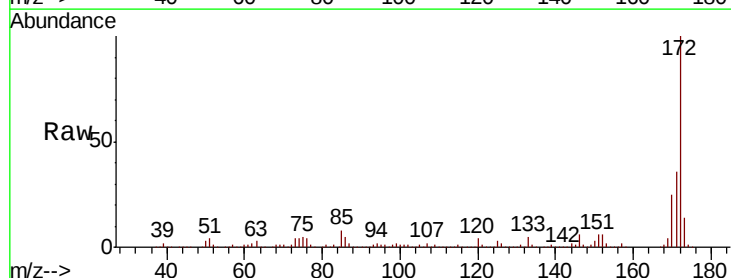


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

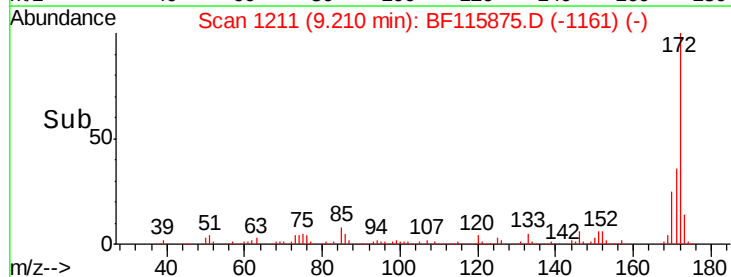
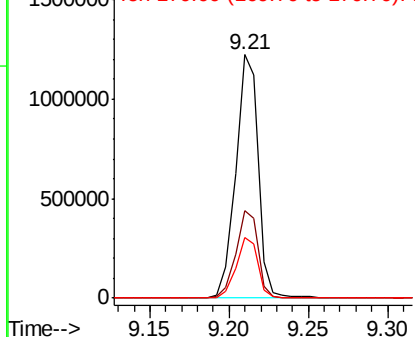


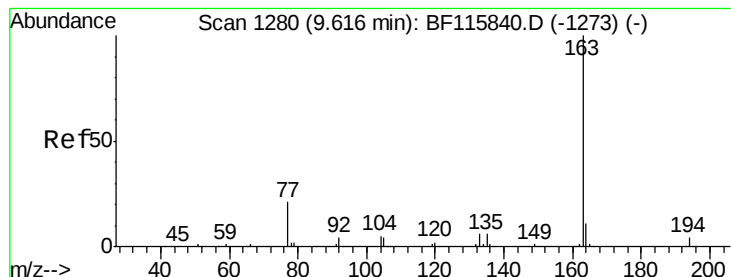
#45
 2-Fluorobiphenyl
 Concen: 80.955 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115875.D
 Acq: 31 Jul 2019 19:26

Tgt Ion:172 Resp: 1200735
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.1 43.7
 170 25.0 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: 8.718 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

Instrument :

BNA_F

ClientSampled :

TP-5

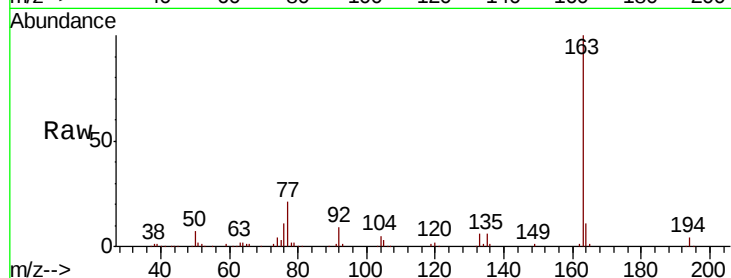
Tgt Ion:163 Resp: 164908

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

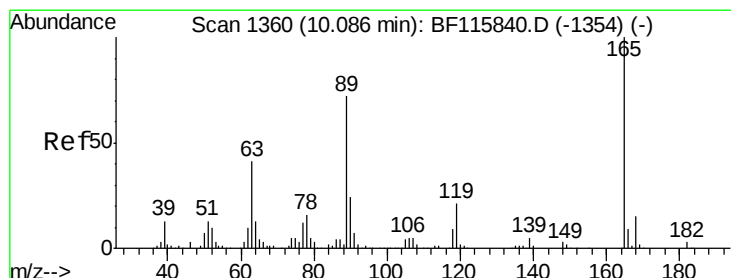
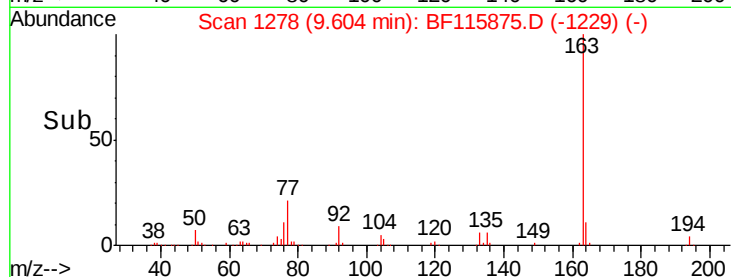
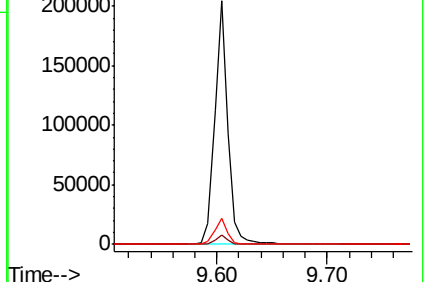
164 10.6 8.4 12.6



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: 6.436 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.19 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

Tgt Ion:165 Resp: 35225

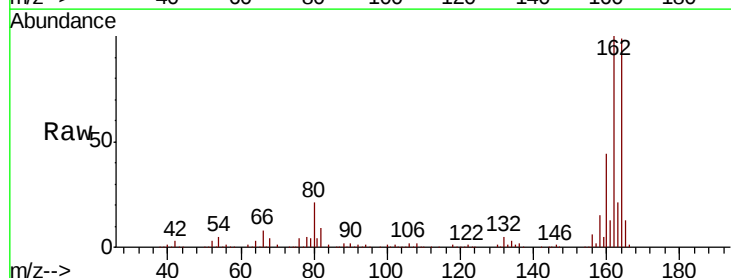
Ion Ratio Lower Upper

165 100

63 1.2 33.2 49.8#

89 1.6 57.3 85.9#

182 0.0 2.1 3.1#

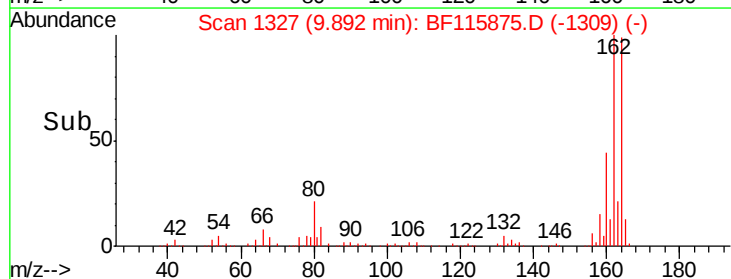
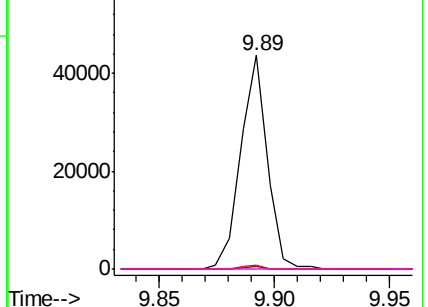


Abundance Ion 165.00 (164.70 to 165.70): E

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

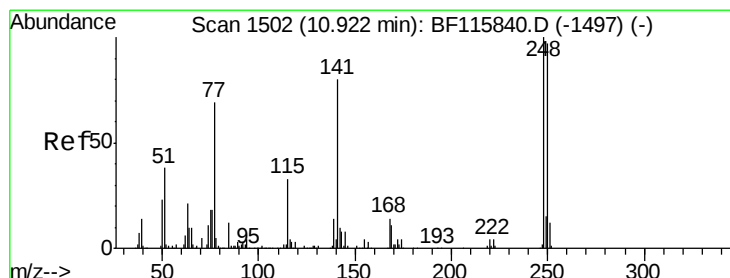
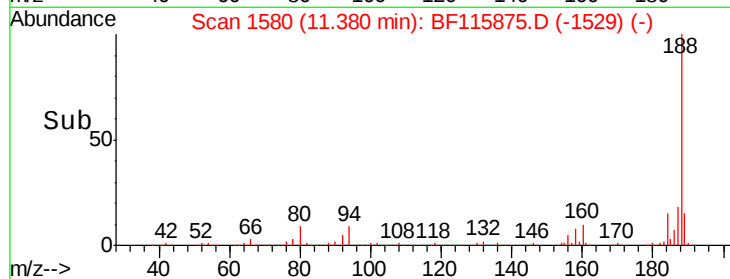
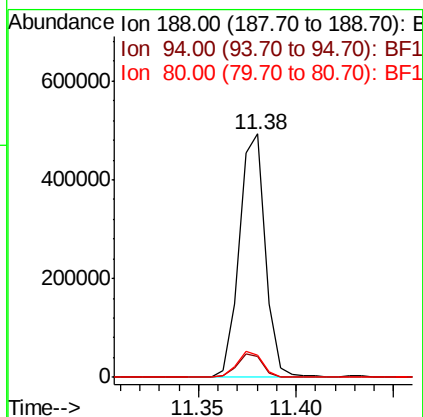
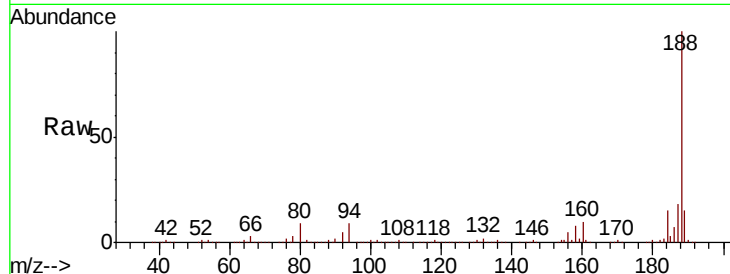




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF115875.D
 Acq: 31 Jul 2019 19:26

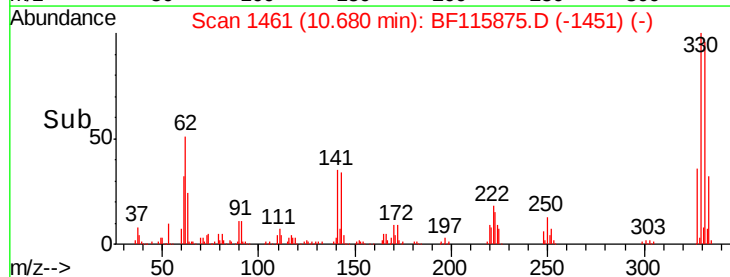
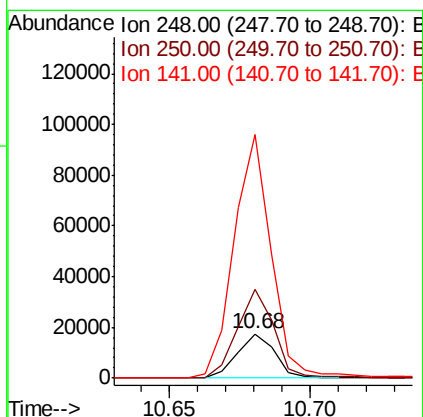
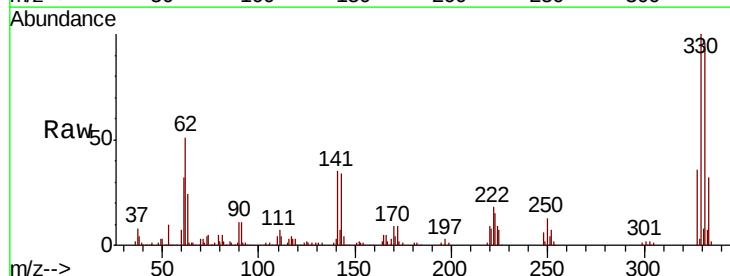
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

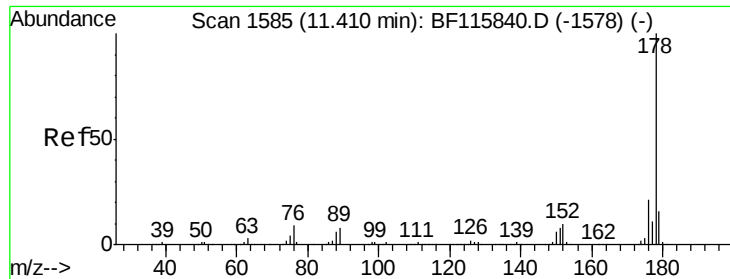
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	9.3	8.6	12.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.252 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.24 min
 Lab File: BF115875.D
 Acq: 31 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
248	100		
250	199.8	77.8	116.6#
141	547.1	64.3	96.5#

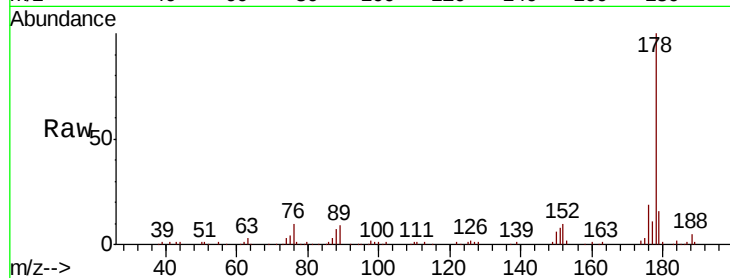




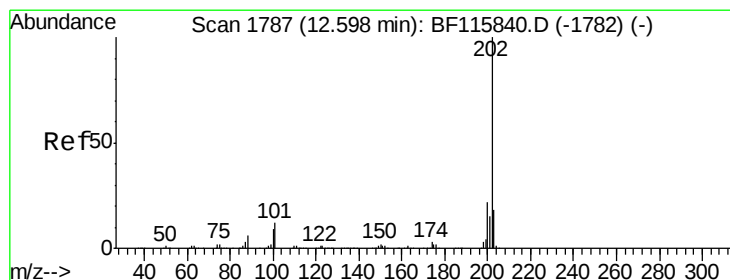
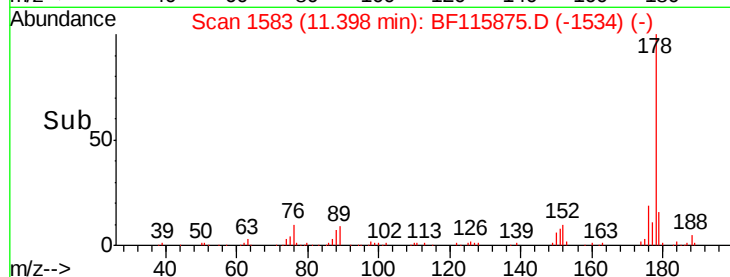
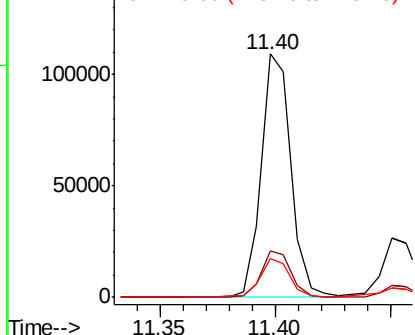
#71
Phenanthrene
Concen: 4.216 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:178 Resp: 98084
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.8 12.6 18.8

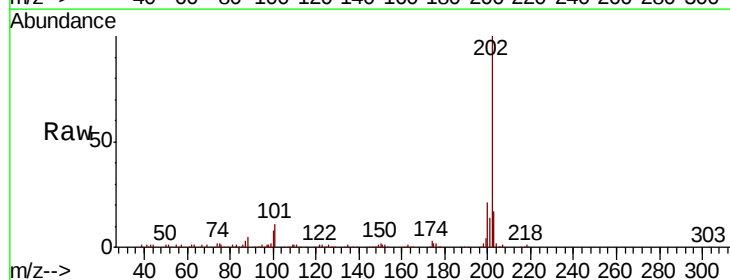


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

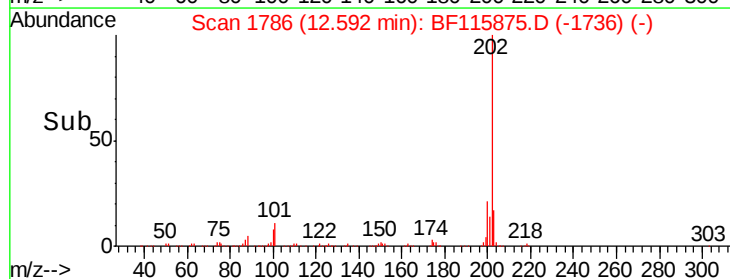
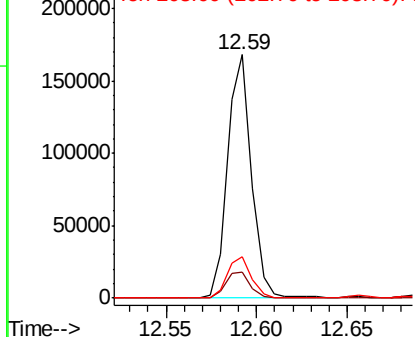


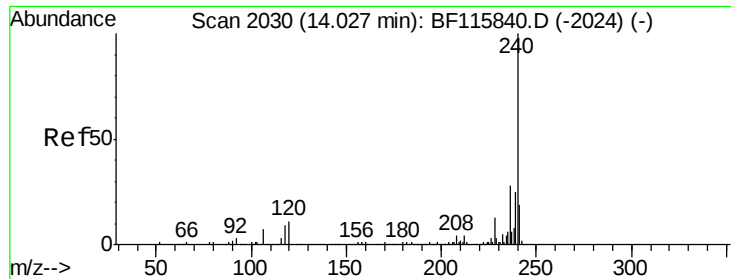
#75
Fluoranthene
Concen: 6.307 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Tgt Ion:202 Resp: 153625
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.5
203 17.0 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: BF115875.D

Acq: 31 Jul 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TP-5

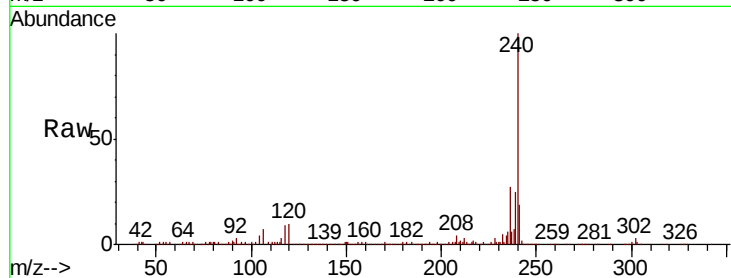
Tgt Ion:240 Resp: 355225

Ion Ratio Lower Upper

240 100

120 9.8 8.5 12.7

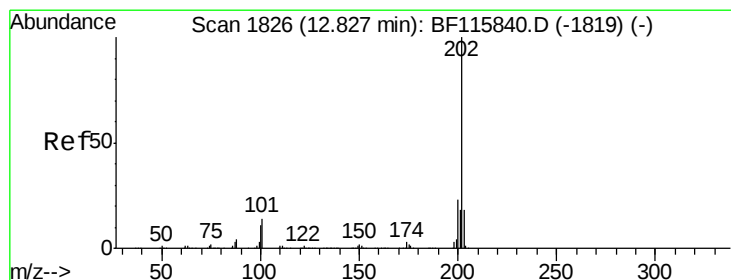
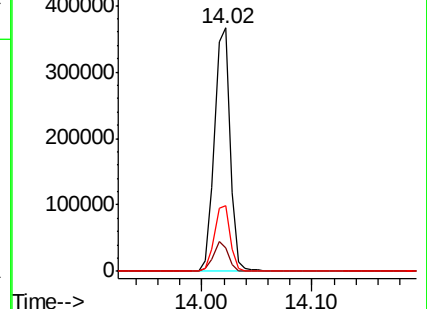
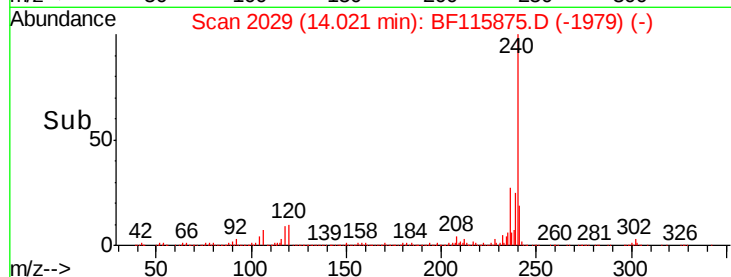
236 27.2 22.2 33.2



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: 4.961 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

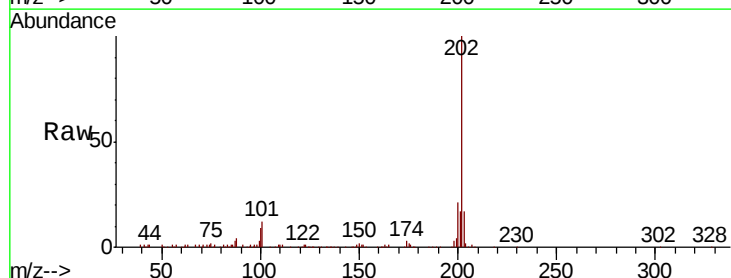
Tgt Ion:202 Resp: 132830

Ion Ratio Lower Upper

202 100

200 21.3 18.2 27.2

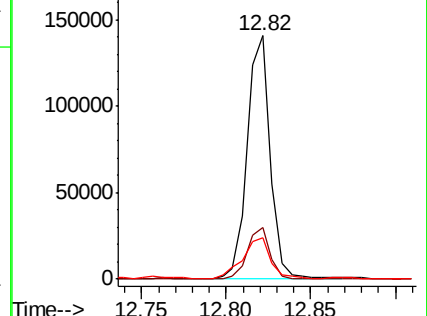
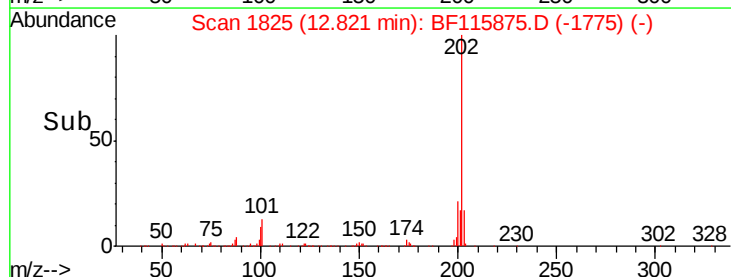
203 17.0 14.3 21.5

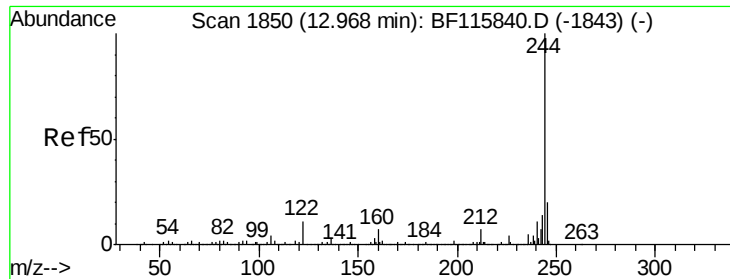


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 69.242 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TP-5

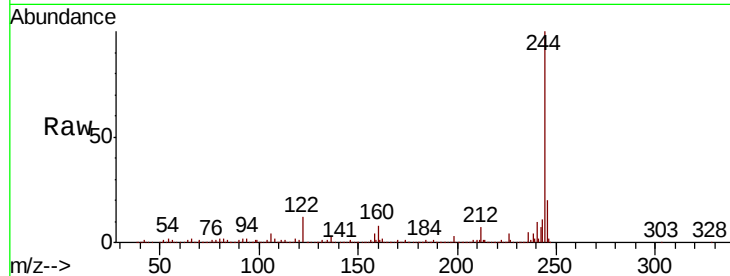
Tgt Ion:244 Resp: 1167285

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

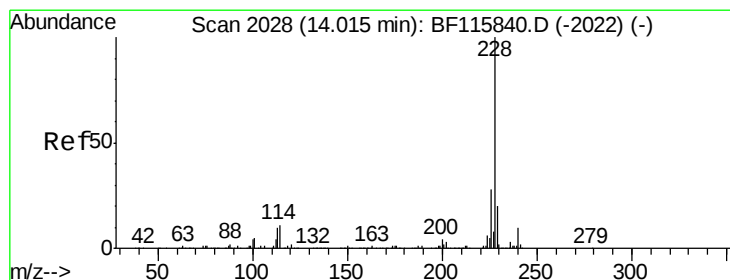
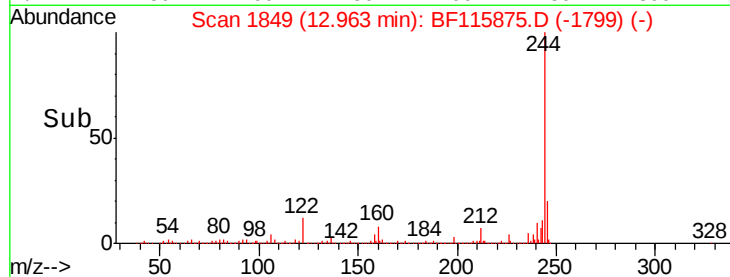
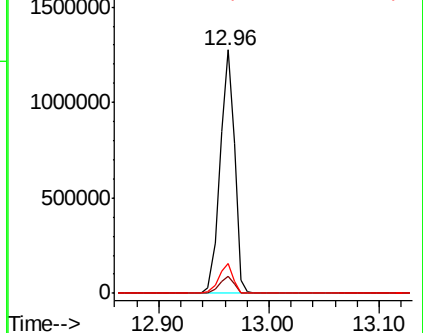
122 12.1 8.6 13.0



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: 3.115 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

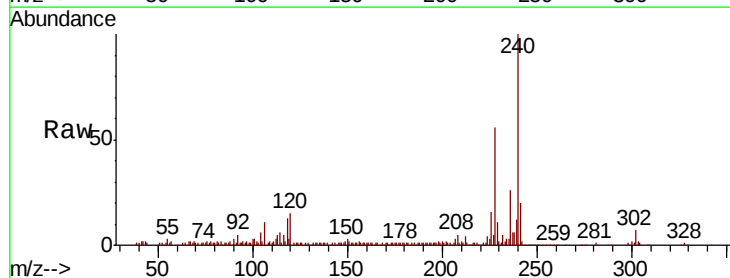
Tgt Ion:228 Resp: 70725

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

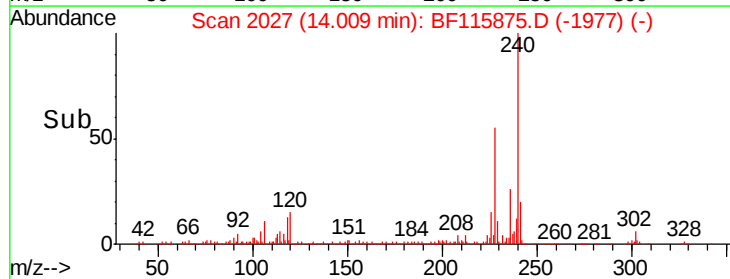
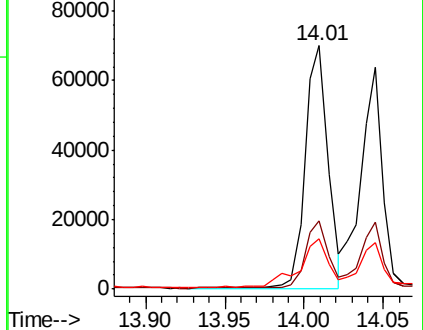
229 20.5 16.1 24.1

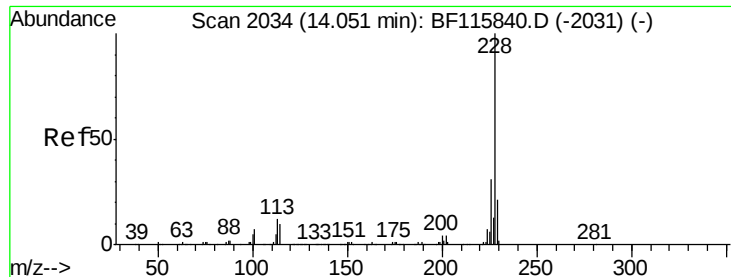


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.809 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TP-5

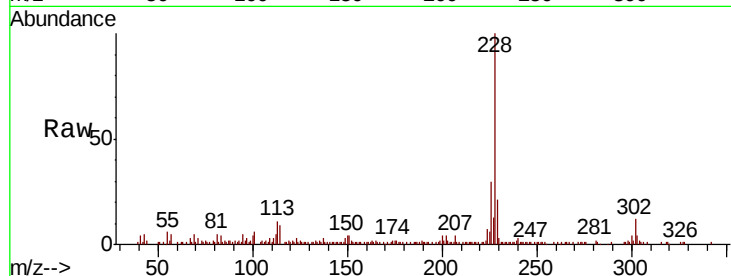
Tgt Ion:228 Resp: 61910

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

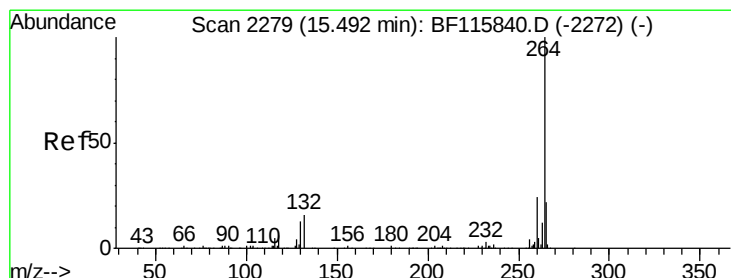
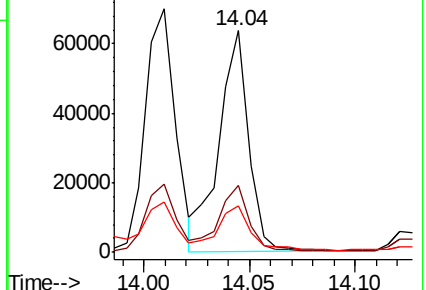
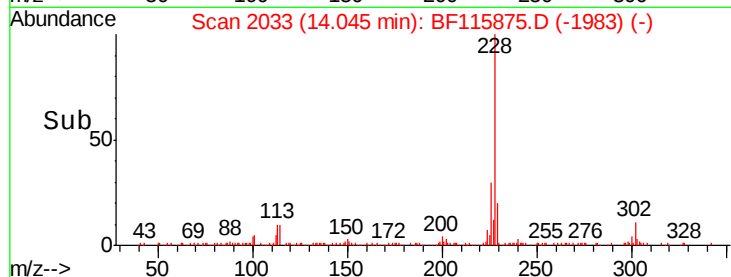
229 21.3 16.4 24.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

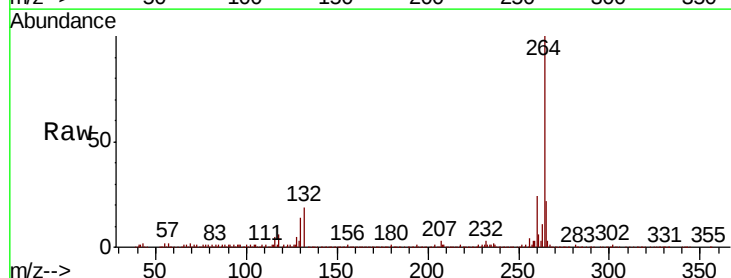
Tgt Ion:264 Resp: 398222

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

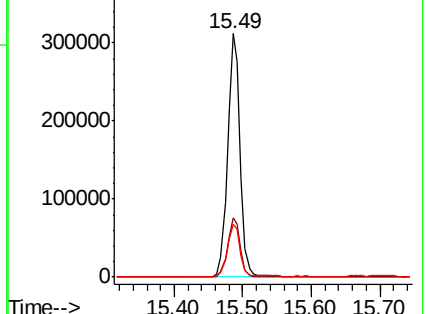
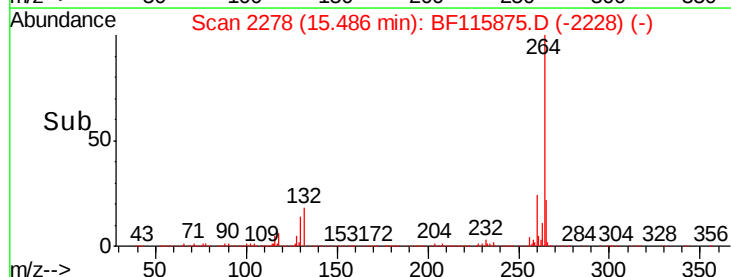
265 21.7 17.5 26.3

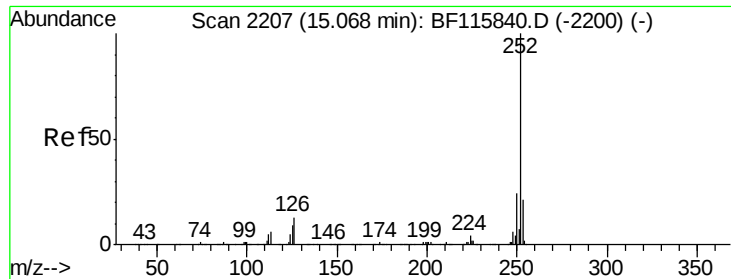


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

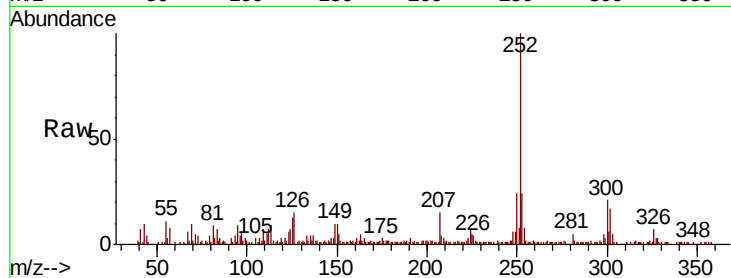




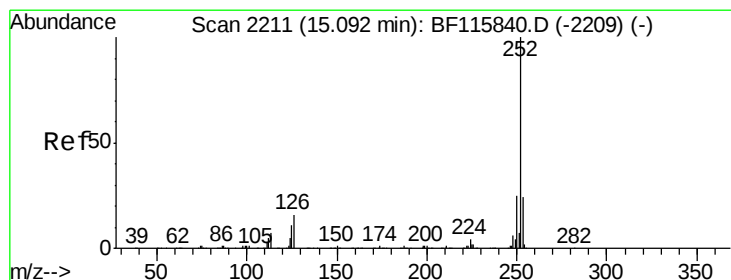
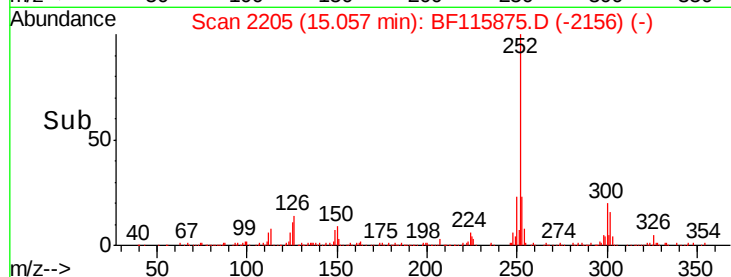
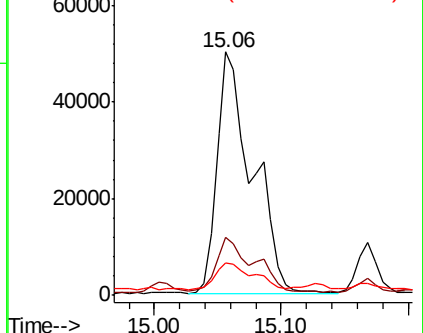
#88
Benzo(b)fluoranthene
Concen: 4.225 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:252 Resp: 97277
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 13.3 7.4 11.0#

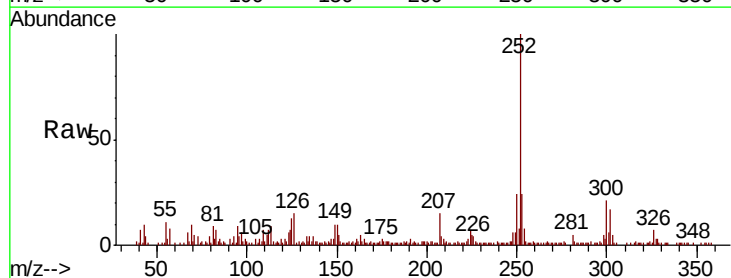


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

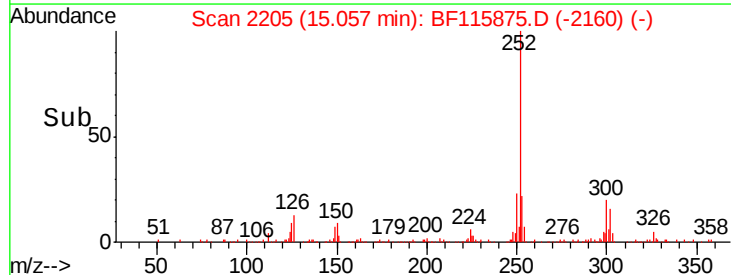
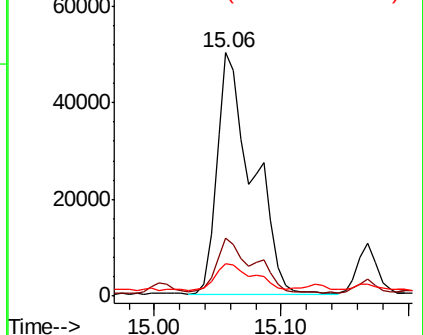


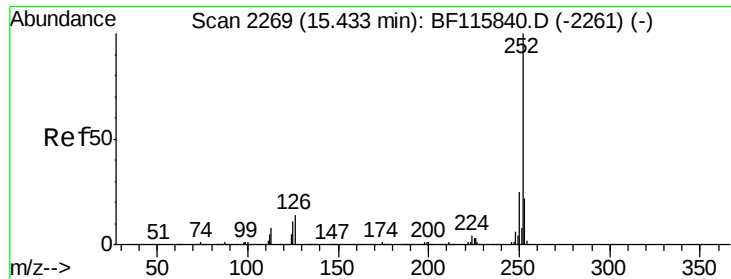
#89
Benzo(k)fluoranthene
Concen: 4.337 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF115875.D
Acq: 31 Jul 2019 19:26

Tgt Ion:252 Resp: 97277
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.4
125 13.3 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: 2.636 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF115875.D

Acq: 31 Jul 2019 19:26

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 252 Resp: 54263

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

125 14.0 8.8 13.2#

