

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117870.D
 Acq On : 19 Nov 2019 20:09
 Operator : JU
 Sample : K5865-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:32:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	211904	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	840292	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	428252	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	691759	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	462217	20.00	ng	-0.01
87) Perylene-d12	15.61	264	476961	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	260378	21.75	ng	-0.01
7) Phenol-d6	6.53	99	1058084	73.28	ng	-0.01
23) Nitrobenzene-d5	7.47	82	708862	50.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	20030	4.42	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	1340393	56.15	ng	-0.01
79) Terphenyl-d14	13.04	244	1179709	46.65	ng	-0.01

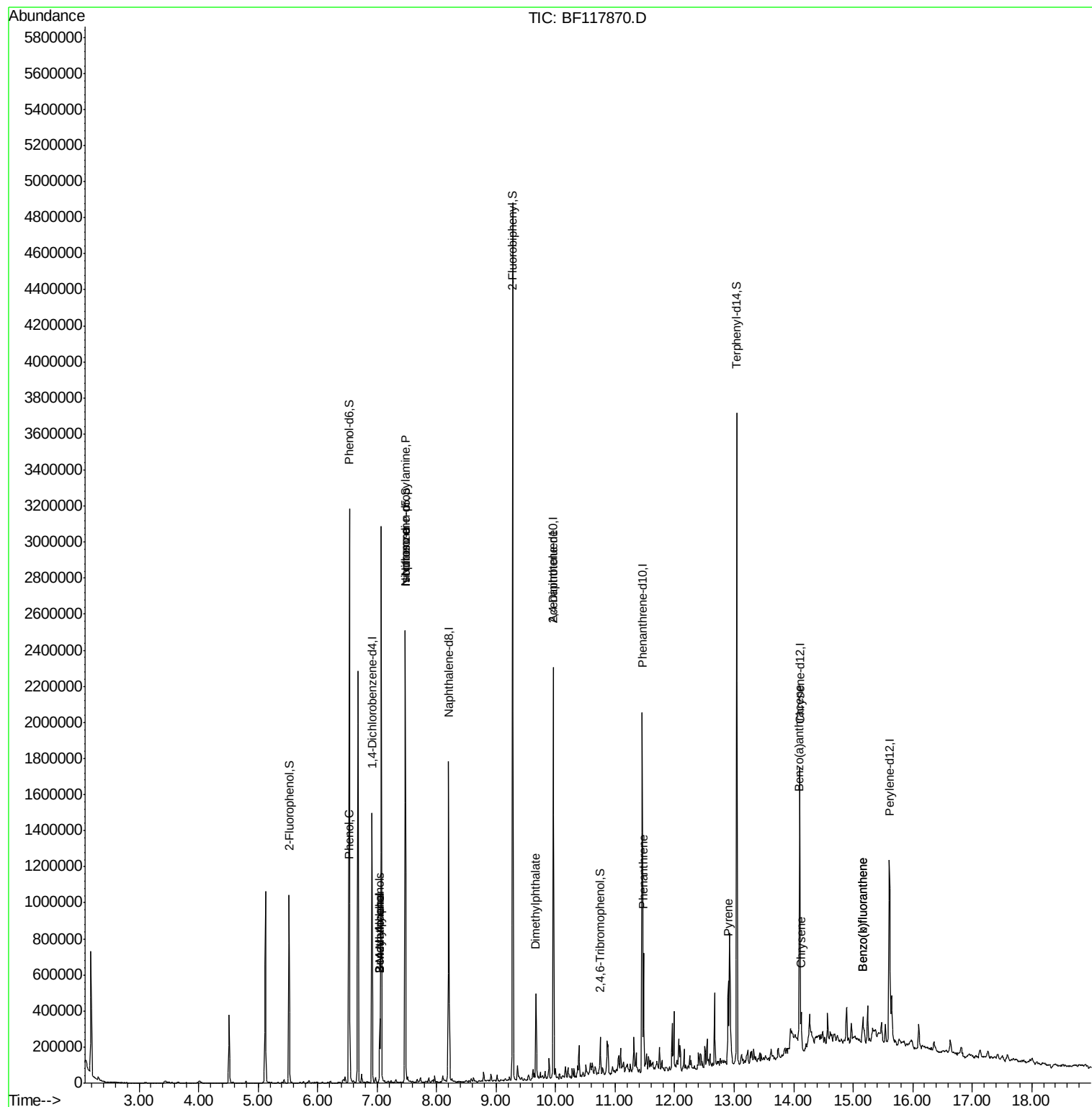
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	6394	Below Cal		98
10) Phenol	6.55	94	88107	5.872	ng	92
15) Benzyl Alcohol	7.05	79	61129	5.483	ng	99
17) 2-Methylphenol	7.05	107	38105	3.464	ng	# 21
19) n-Nitroso-di-n-propylamine	7.47	70	96274	10.808	ng	# 77
20) 3+4-Methylphenols	7.05	107	38105	2.791	ng	# 4
25) Isophorone	7.47	82	704136	27.178	ng	# 62
50) Dimethylphthalate	9.67	163	182362	6.072	ng	98
57) 2,4-Dinitrotoluene	9.96	165	56338	6.748	ng	# 24
71) Phenanthrene	11.48	178	219960	6.324	ng	97
75) Fluoranthene	12.67	202	157848	Below Cal		98
78) Pylene	12.90	202	183599	4.915	ng	97
81) Benzo(a)anthracene	14.09	228	80912	2.649	ng	96
83) Chrysene	14.13	228	74315	2.511	ng	96
88) Benzo(b)fluoranthene	15.16	252	107251	3.461	ng	# 96
89) Benzo(k)fluoranthene	15.16	252	107251	3.673	ng	# 94

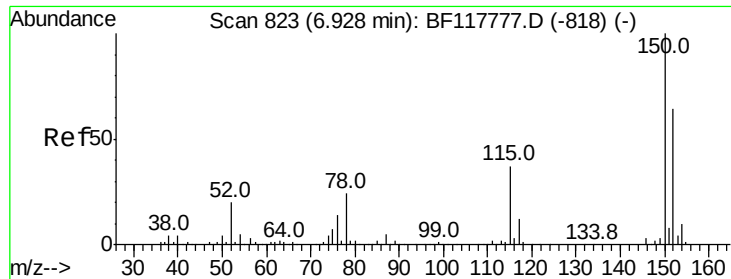
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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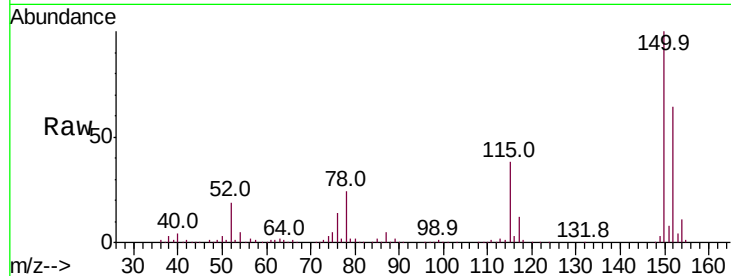


#1

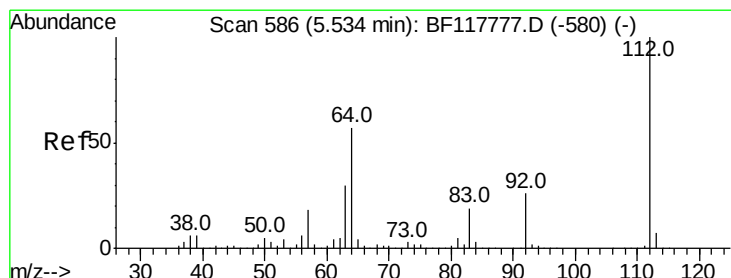
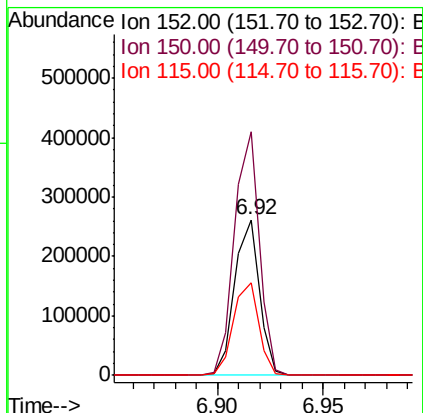
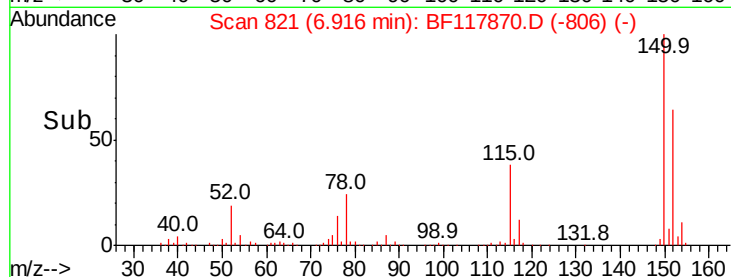
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 211904
Ion Ratio Lower Upper
152 100
150 156.6 125.3 187.9
115 59.8 47.0 70.4



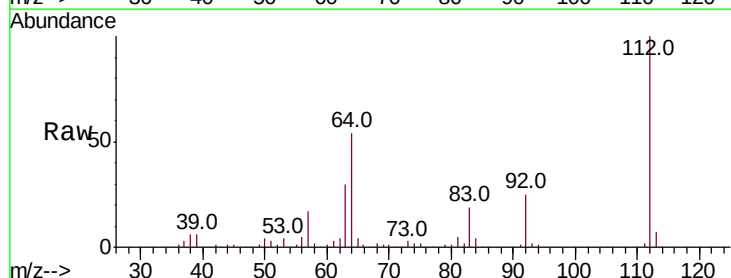
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



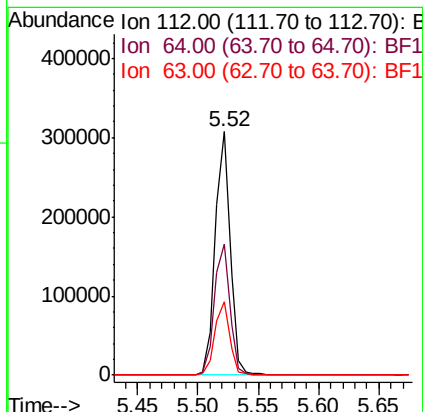
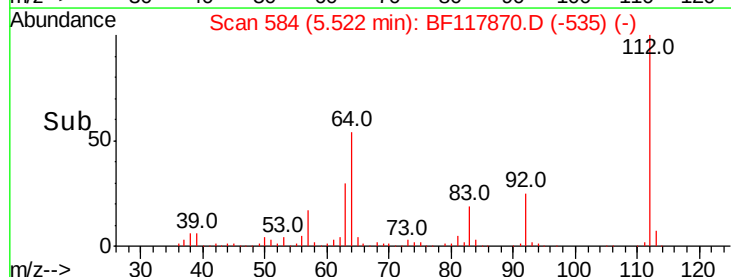
#5

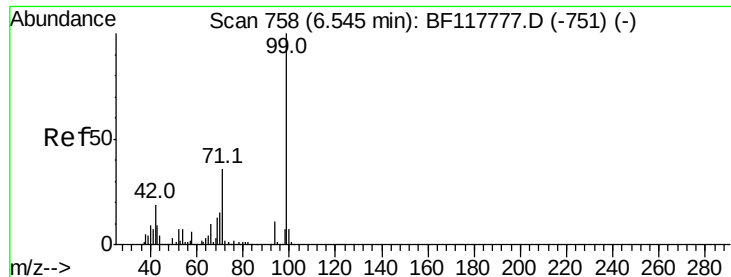
2-Fluorophenol
Concen: 21.750 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

Tgt Ion:112 Resp: 260378
Ion Ratio Lower Upper
112 100
64 53.8 45.6 68.4
63 29.9 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: 73.278 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

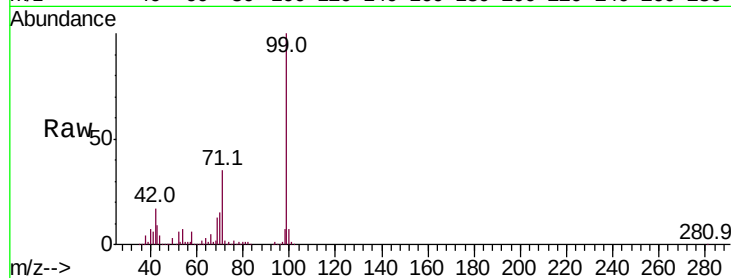
Tot Ion: 99 Resp: 1058084

Ion Ratio Lower Upper

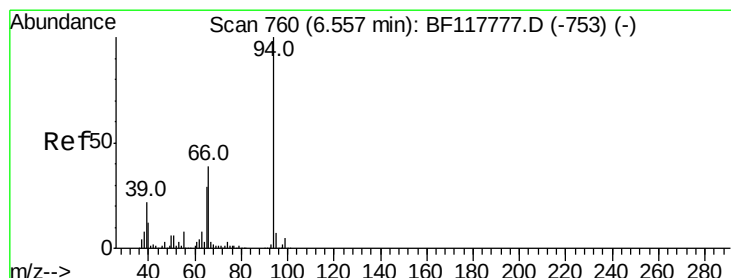
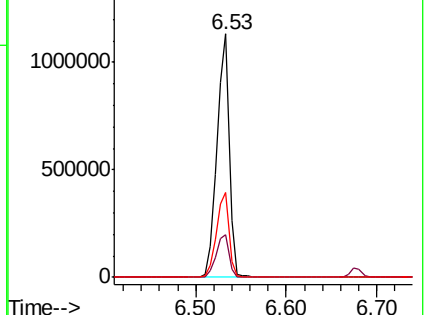
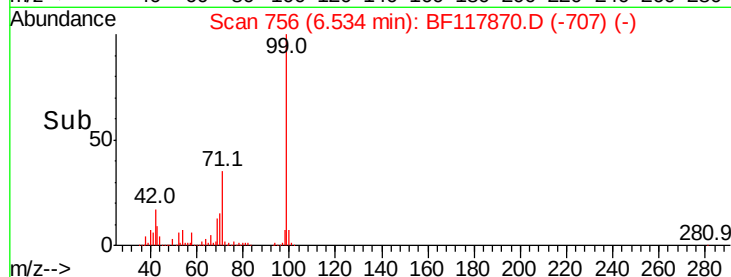
99 100

42 17.3 14.9 22.3

71 35.0 28.6 43.0



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



#10

Phenol

Concen: 5.872 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

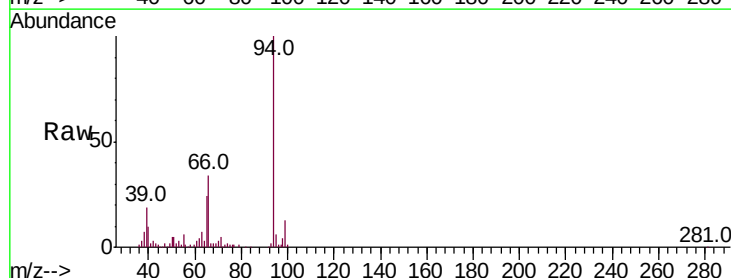
Tgt Ion: 94 Resp: 88107

Ion Ratio Lower Upper

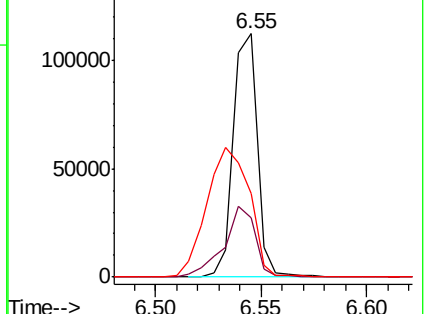
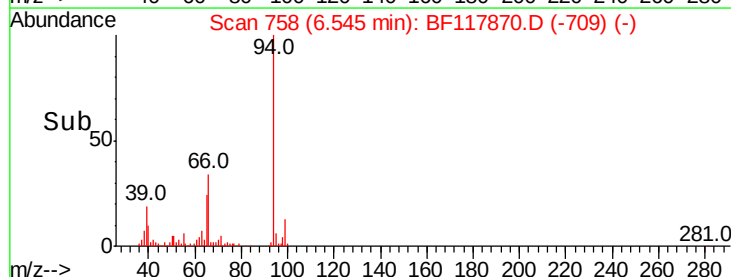
94 100

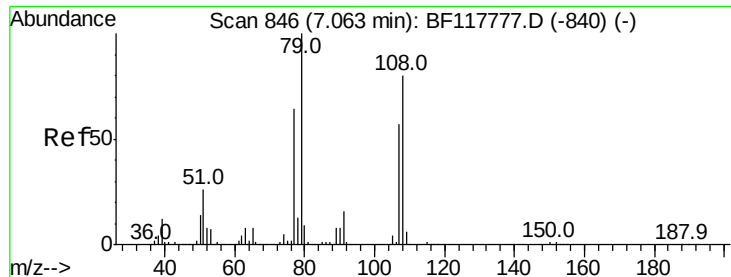
65 24.1 8.9 48.9

66 34.4 18.7 58.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 5.483 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

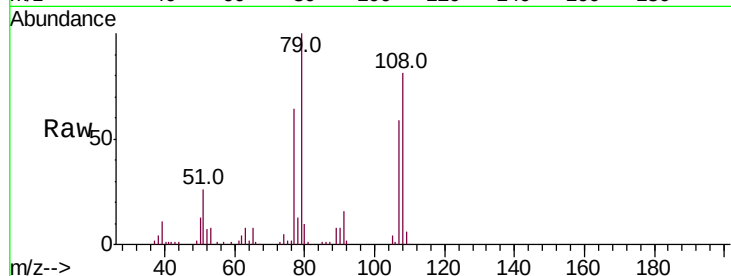
Tot Ion: 79 Resp: 61129

Ion Ratio Lower Upper

79 100

108 81.1 64.1 96.1

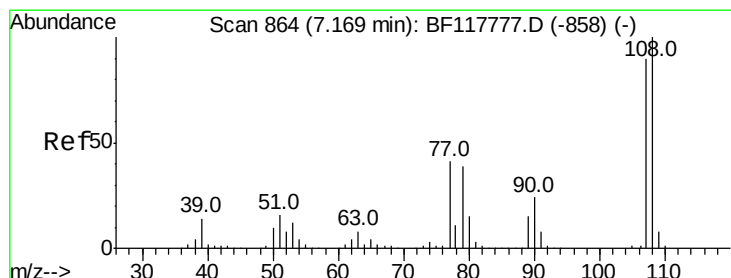
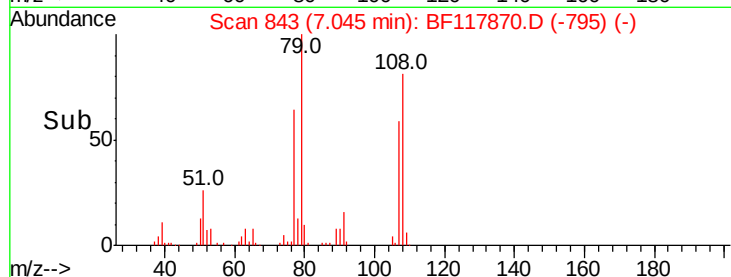
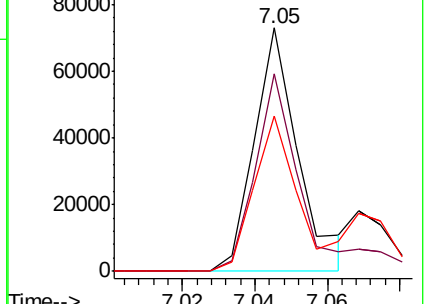
77 63.7 51.3 76.9



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 3.464 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.12 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Tgt Ion: 107 Resp: 38105

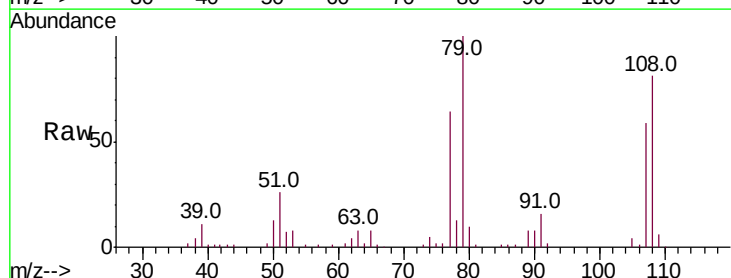
Ion Ratio Lower Upper

107 100

108 138.4 89.1 133.7#

77 108.8 36.6 54.8#

79 170.8 35.2 52.8#

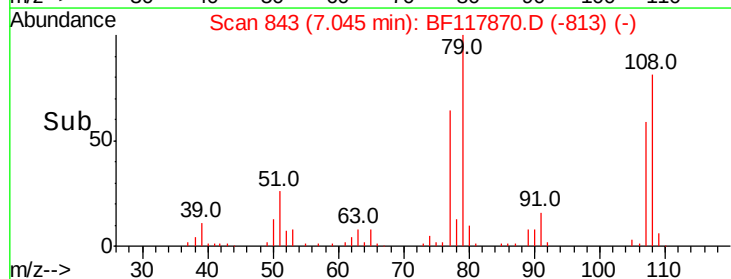
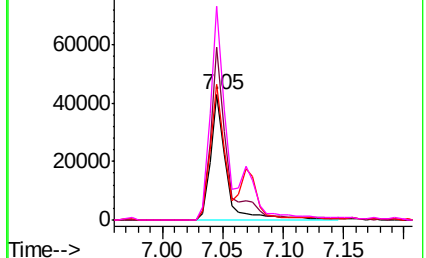


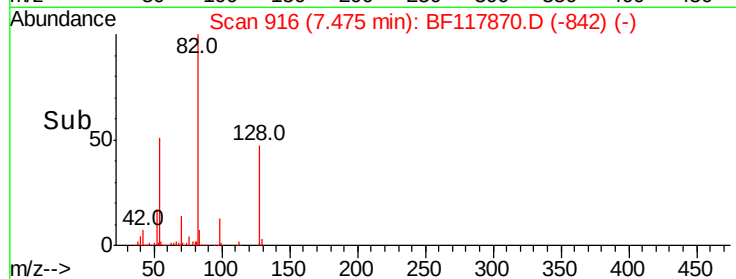
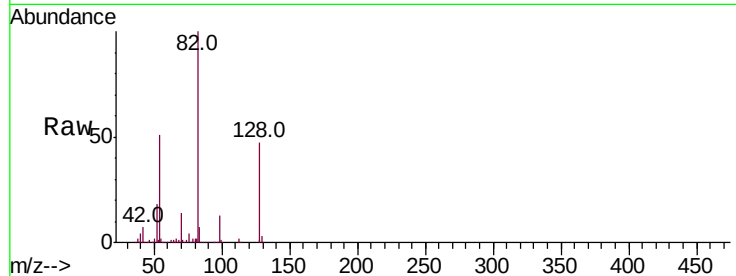
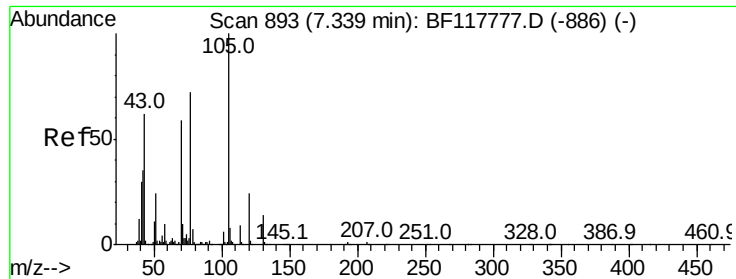
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

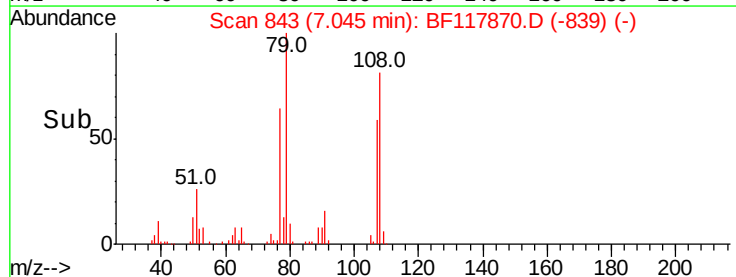
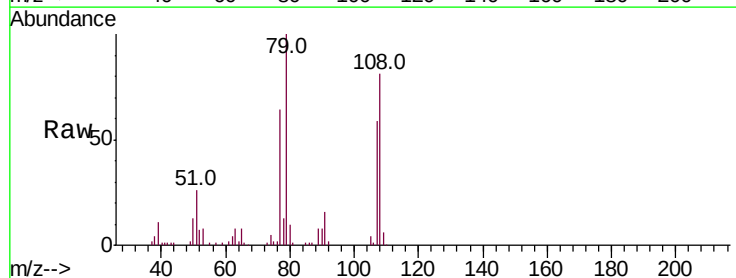
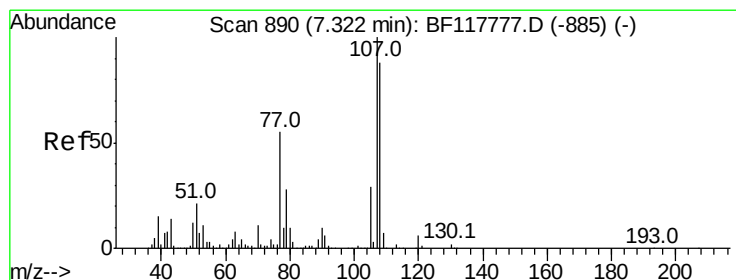
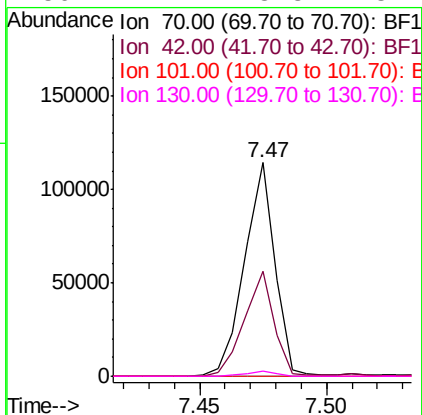




#19
n-Nitroso-di-n-propylamine
Concen: 10.808 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

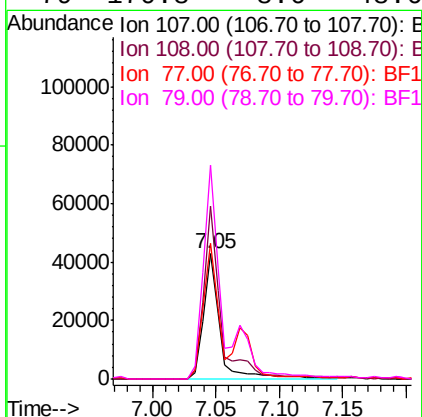
Instrument :
BNA_F
ClientSampleId :

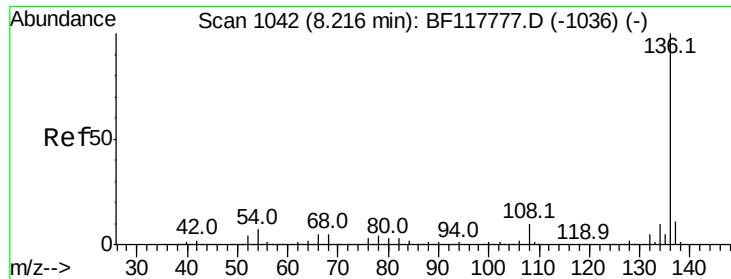
Tot Ion:	70	Resp:	96274
Ion	Ratio	Lower	Upper
70	100		
42	49.1	47.4	71.2
101	0.0	8.4	12.6#
130	2.2	18.8	28.2#



#20
3+4-Methylphenols
Concen: 2.791 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.28 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

Tgt Ion:	107	Resp:	38105
Ion	Ratio	Lower	Upper
107	100		
108	138.4	68.4	108.4#
77	108.8	35.2	75.2#
79	170.8	8.6	48.6#

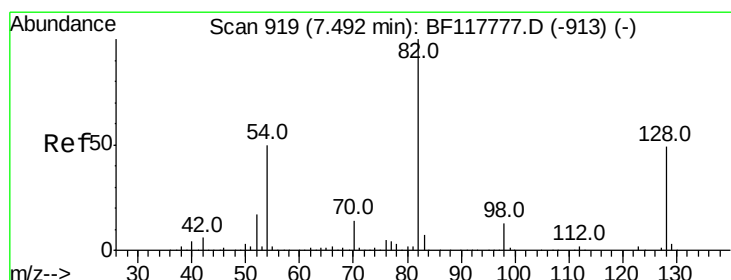
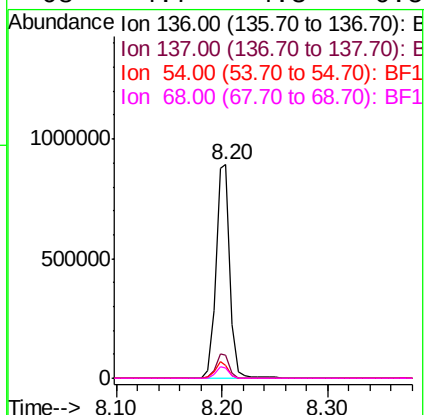
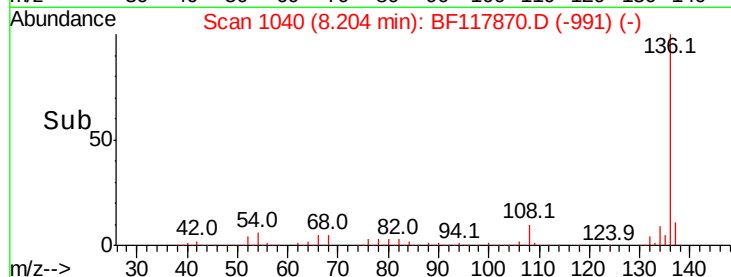
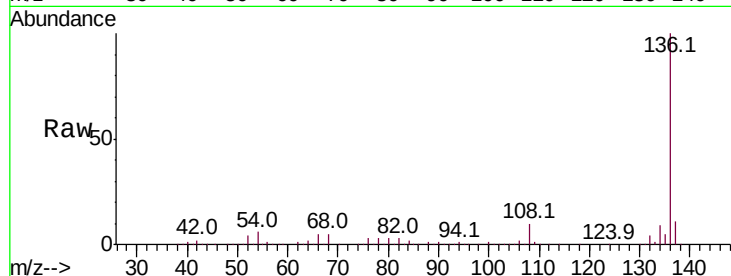




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

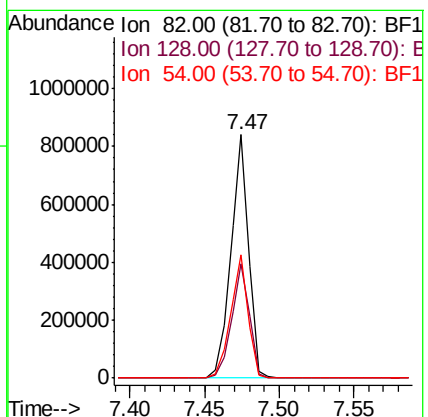
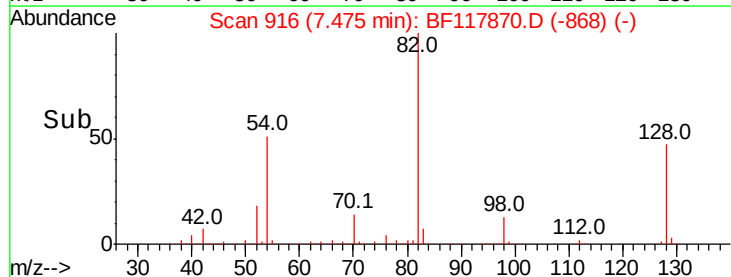
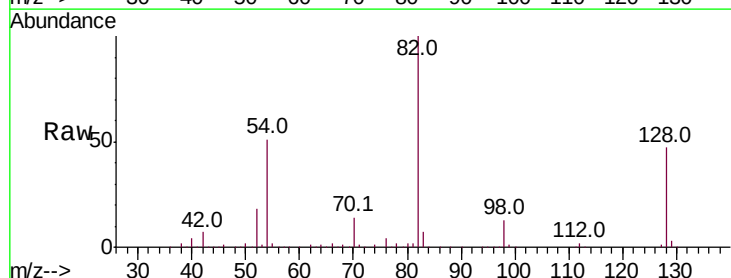
Instrument :
BNA_F
ClientSampleId :

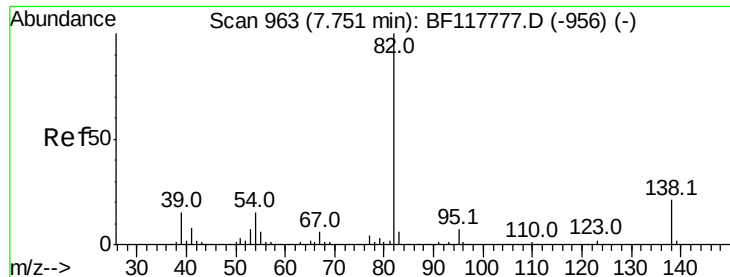
Tot Ion:	136	Resp:	840292
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.2	5.4	8.2
68	4.7	4.3	6.5



#23
Nitrobenzene-d5
Concen: 50.148 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

Tgt Ion:	82	Resp:	708862
Ion	Ratio	Lower	Upper
82	100		
128	47.2	38.9	58.3
54	50.6	39.8	59.6





#25

Isophorone

Concen: 27.178 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

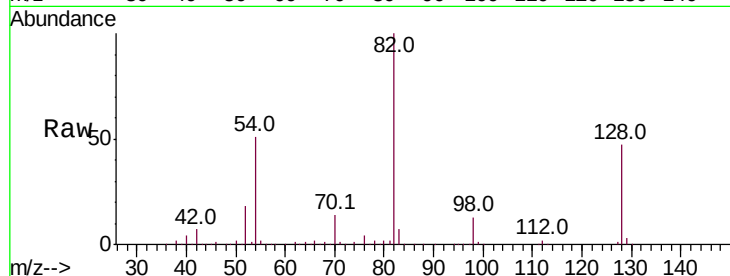
Tot Ion: 82 Resp: 704136

Ion Ratio Lower Upper

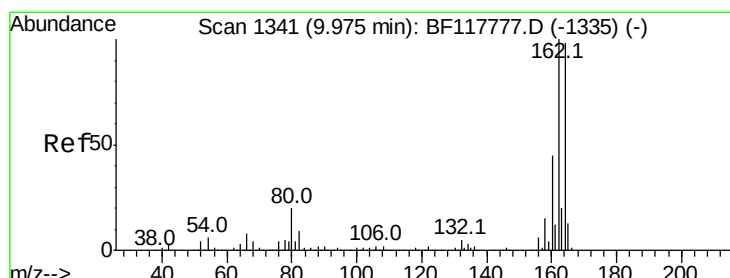
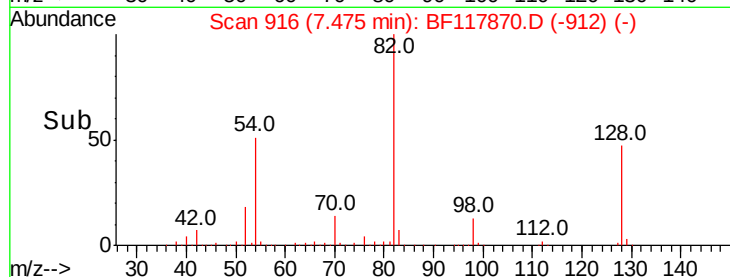
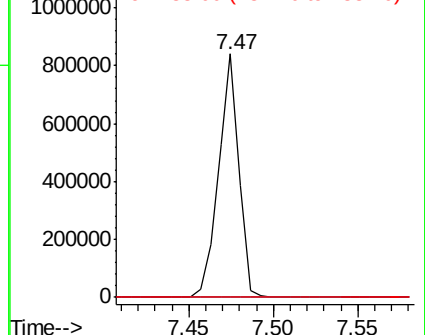
82 100

95 0.1 5.8 8.8#

138 0.0 16.5 24.7#



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: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

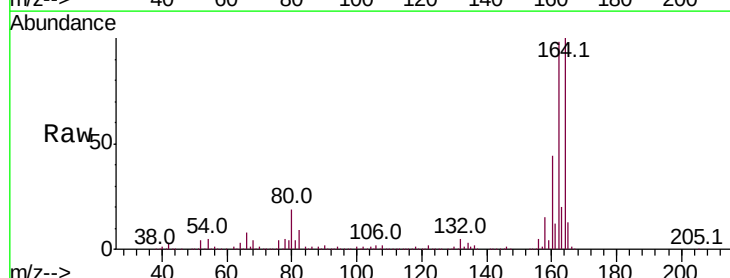
Tgt Ion:164 Resp: 428252

Ion Ratio Lower Upper

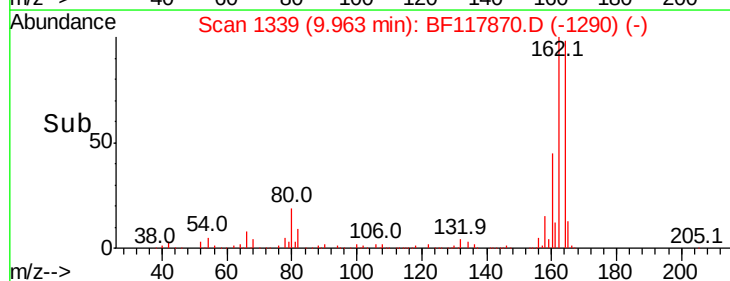
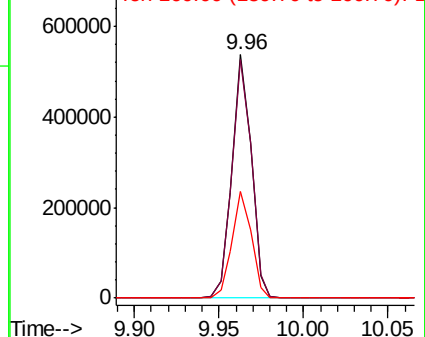
164 100

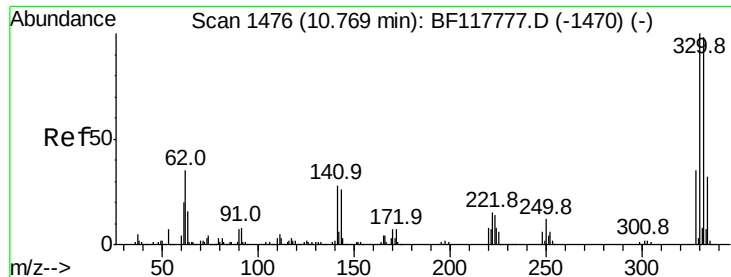
162 97.8 81.3 121.9

160 43.7 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 4.418 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.02 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

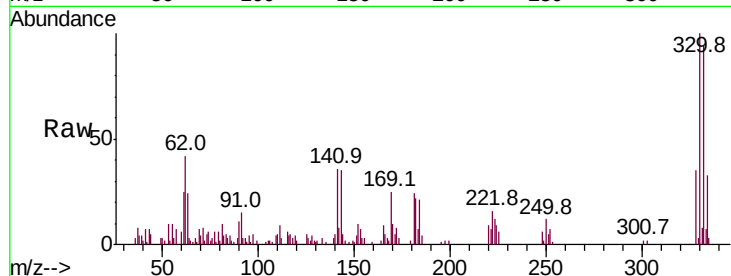
Tot Ion:330 Resp: 20030

Ion Ratio Lower Upper

330 100

332 94.4 76.7 115.1

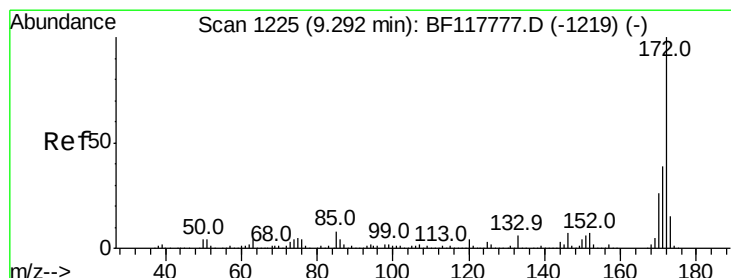
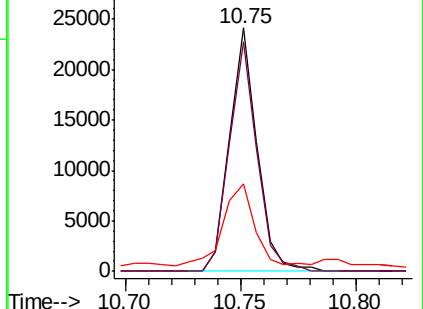
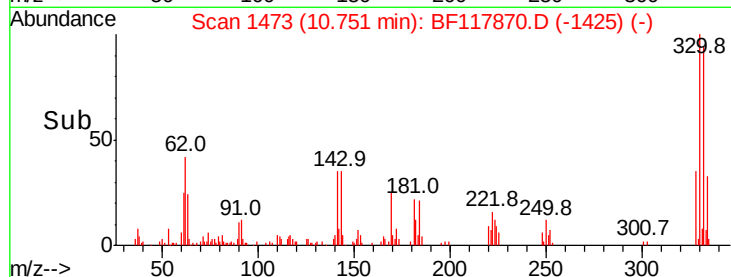
141 39.0 27.7 41.5



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: 56.152 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

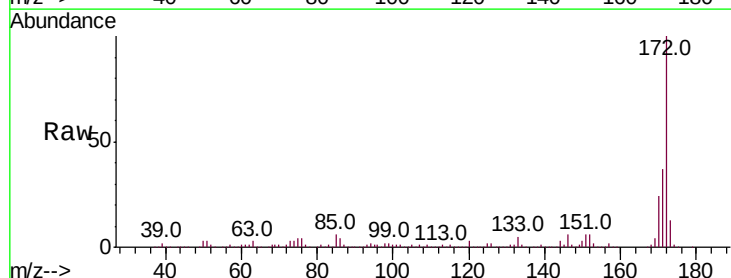
Tgt Ion:172 Resp: 1340393

Ion Ratio Lower Upper

172 100

171 36.7 30.9 46.3

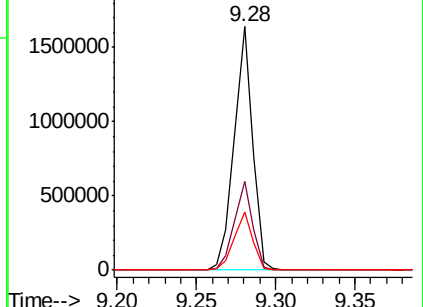
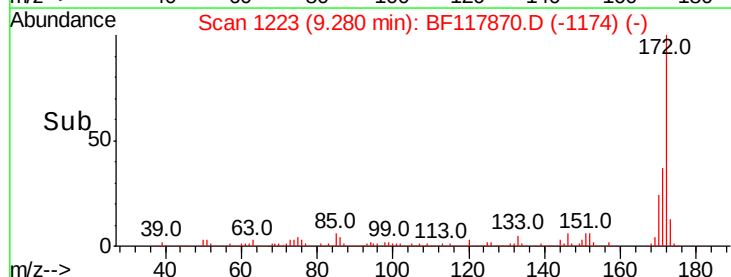
170 24.0 21.0 31.4

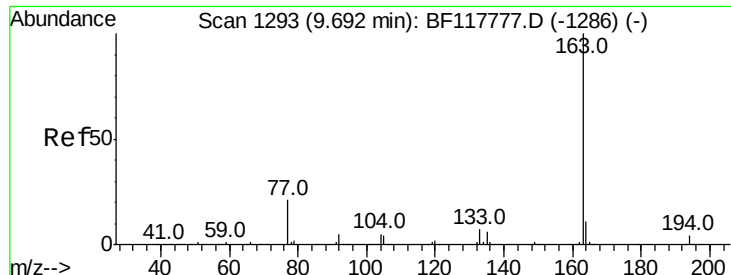


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.072 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

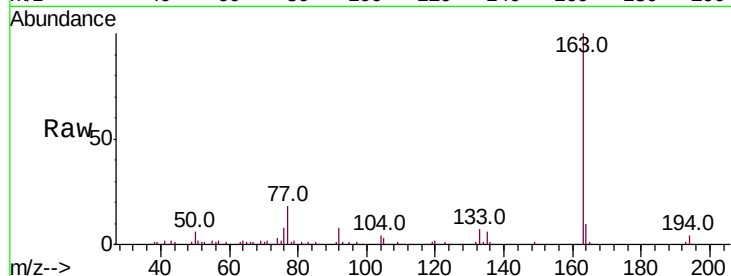
Tot Ion:163 Resp: 182362

Ion Ratio Lower Upper

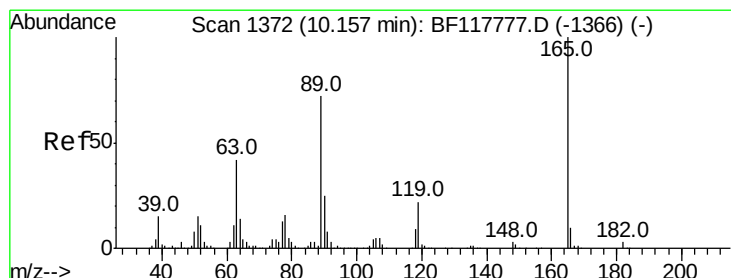
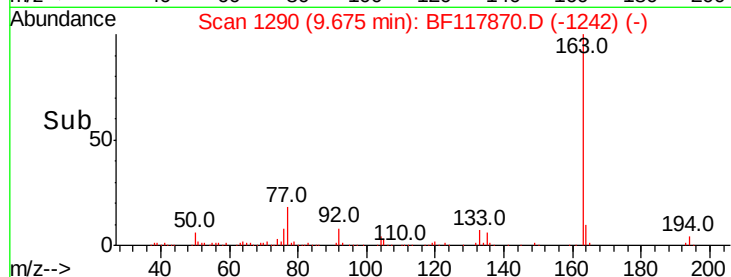
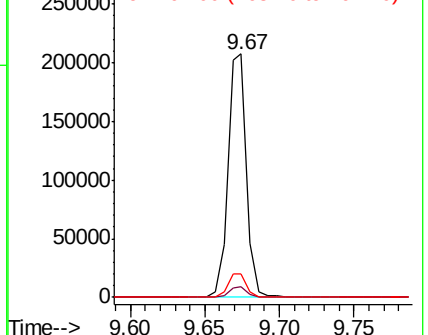
163 100

194 4.4 3.3 4.9

164 9.8 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: 6.748 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.19 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Tgt Ion:165 Resp: 56338

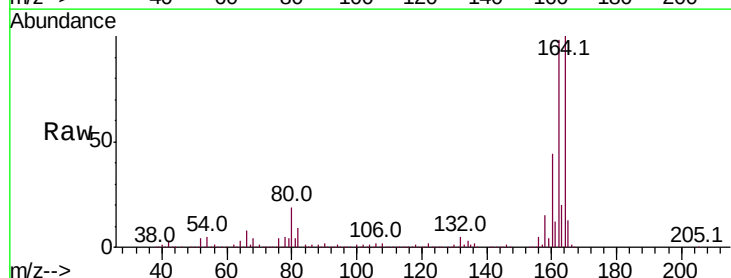
Ion Ratio Lower Upper

165 100

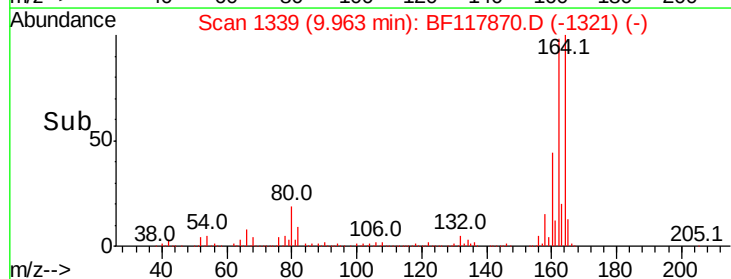
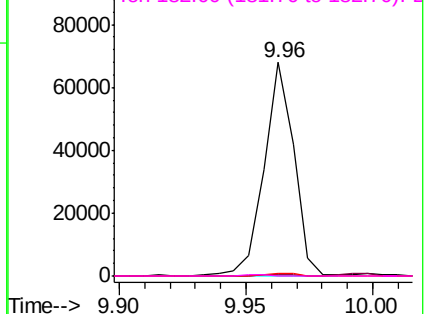
63 0.9 33.7 50.5#

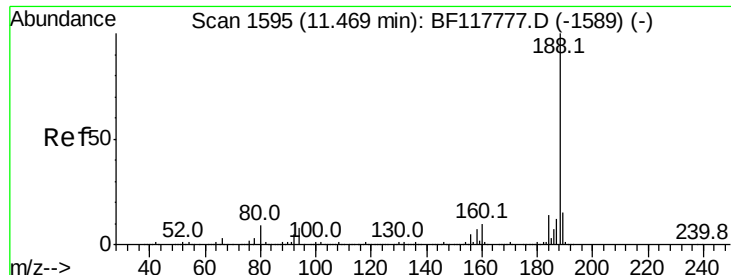
89 1.5 57.3 85.9#

182 0.0 2.3 3.5#



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

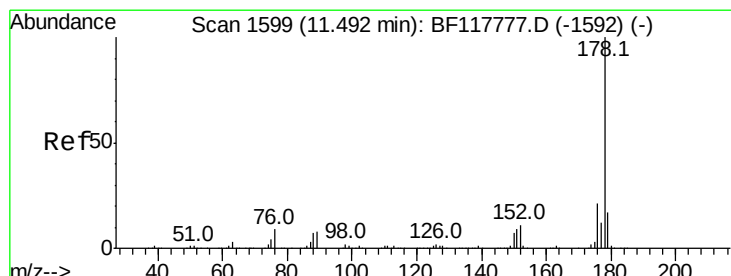
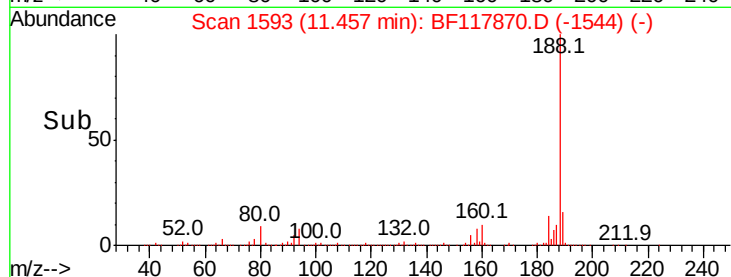
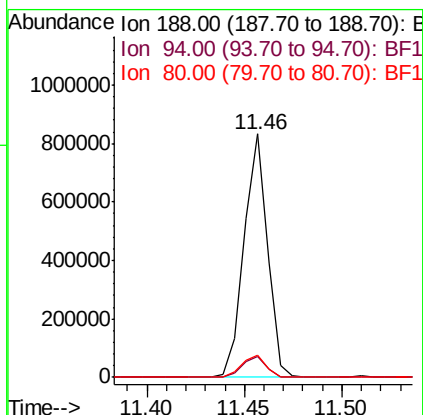
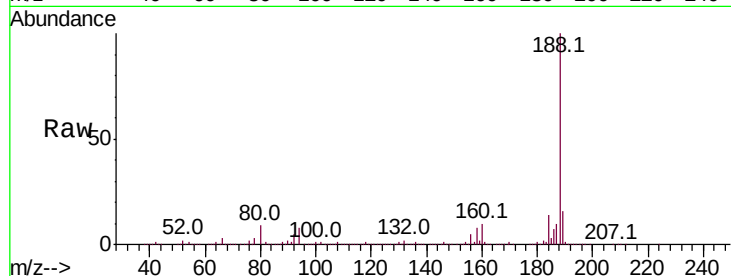




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

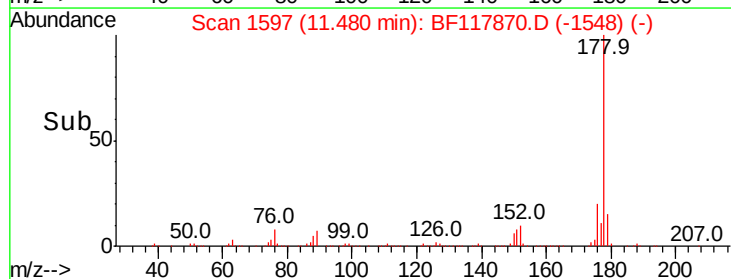
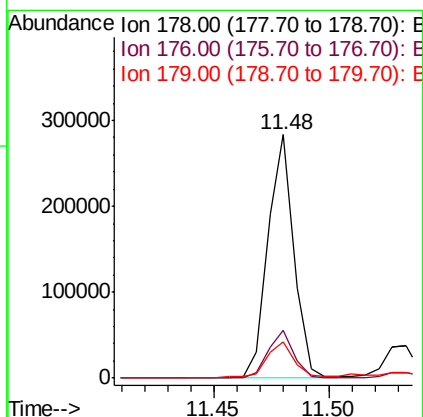
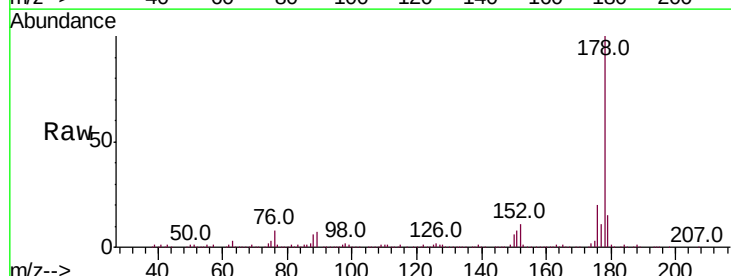
Instrument :
BNA_F
ClientSampleId :

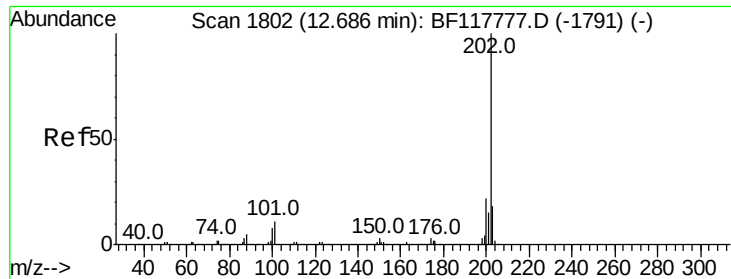
Tot Ion:188 Resp: 691759
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.2 7.2 10.8



#71
Phenanthrene
Concen: 6.324 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117870.D
Acq: 19 Nov 2019 20:09

Tgt Ion:178 Resp: 219960
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 14.9 13.2 19.8





#75

Fluoranthene

Concen: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

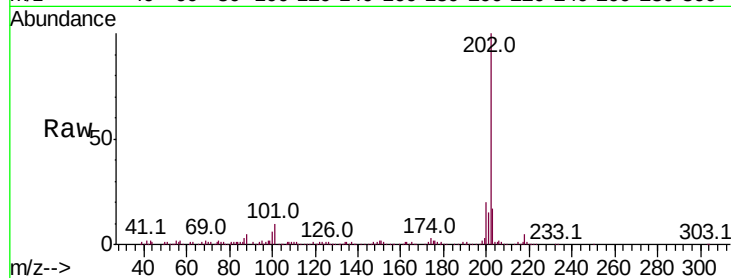
Tot Ion:202 Resp: 157848

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.1

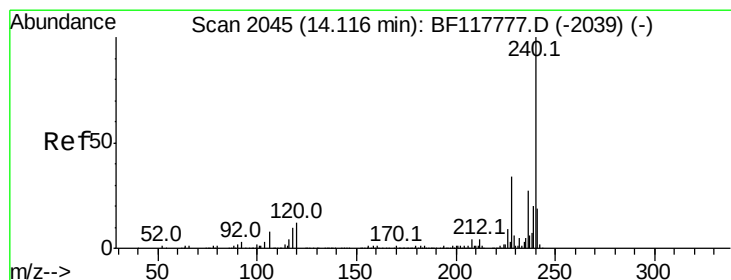
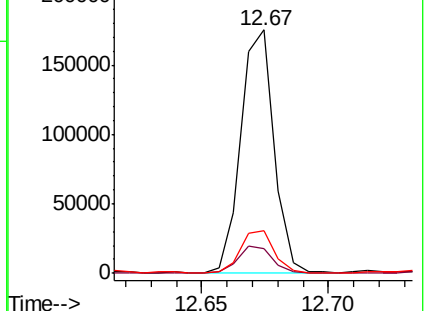
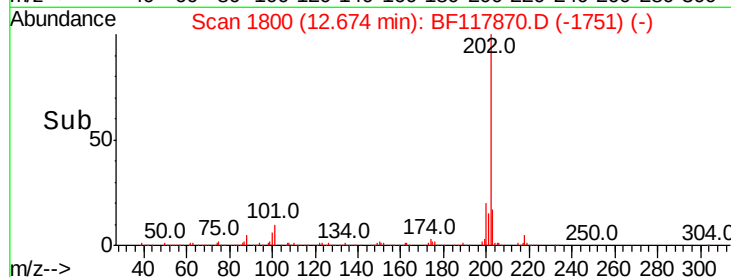
203 17.5 0.0 38.2



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: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

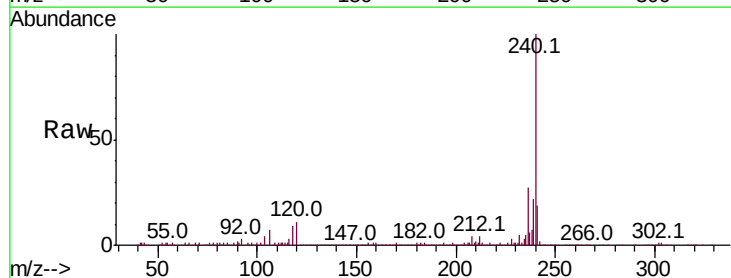
Tgt Ion:240 Resp: 462217

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

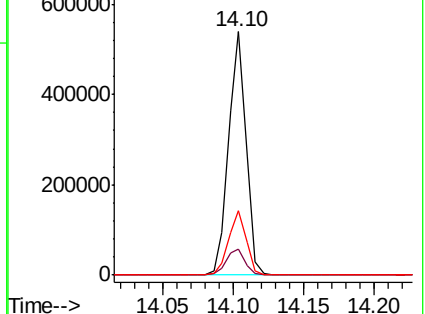
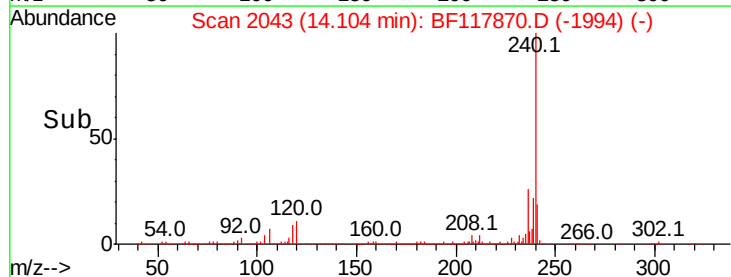
236 26.5 21.3 31.9

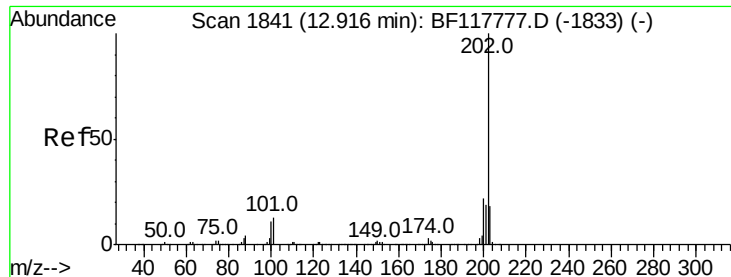


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.915 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

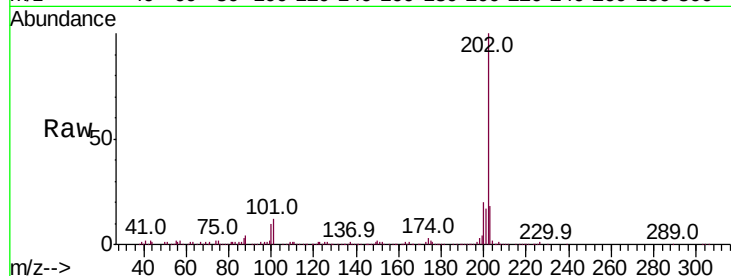
Tot Ion:202 Resp: 183599

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.8

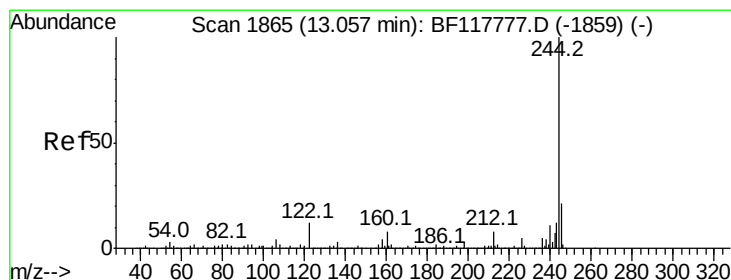
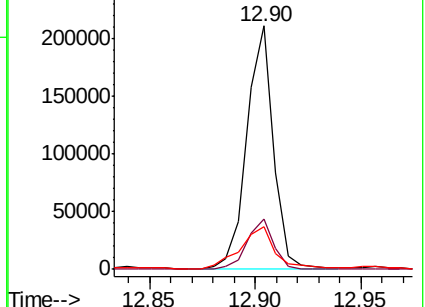
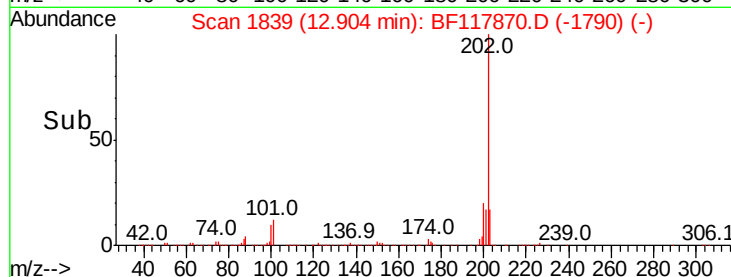
203 17.5 14.6 22.0



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: 46.646 ng

RT: 13.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

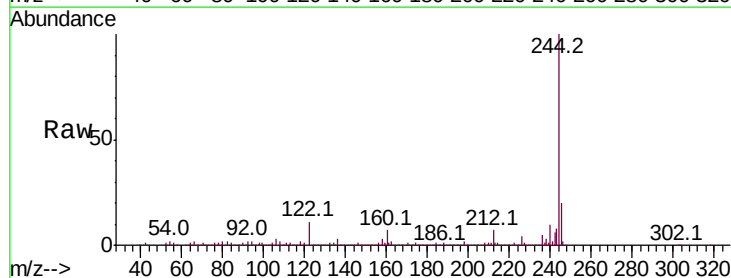
Tgt Ion:244 Resp: 1179709

Ion Ratio Lower Upper

244 100

212 7.0 6.3 9.5

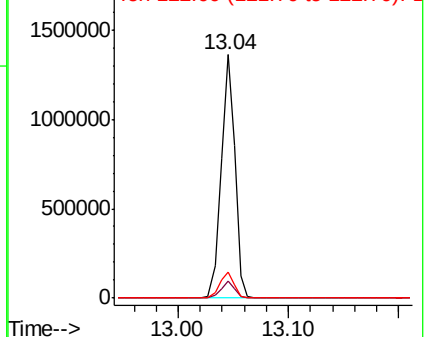
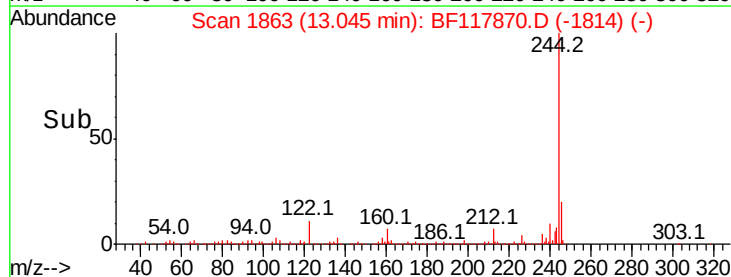
122 10.6 9.4 14.2

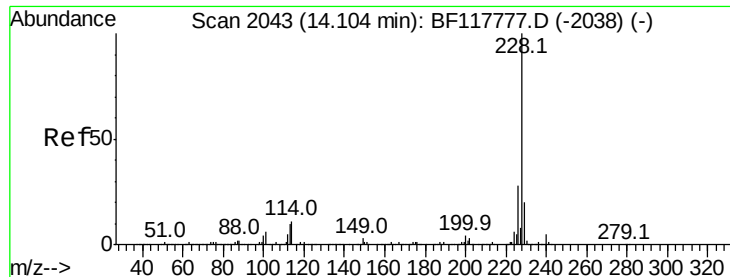


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.649 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

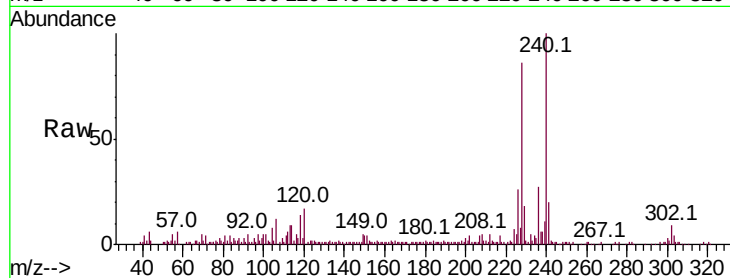
Tot Ion:228 Resp: 80912

Ion Ratio Lower Upper

228 100

226 30.6 22.2 33.2

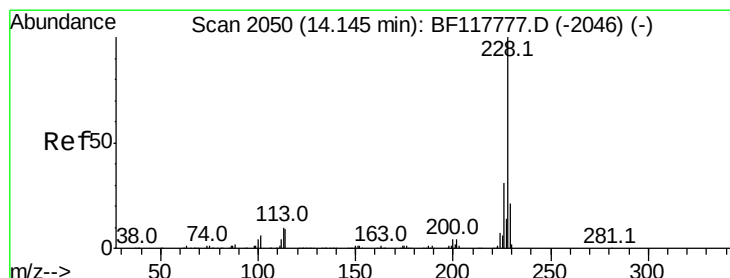
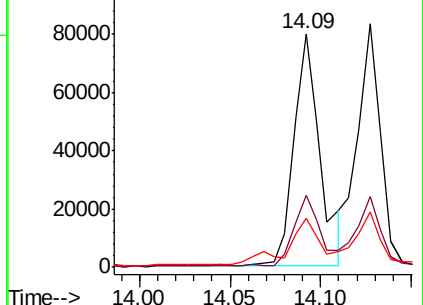
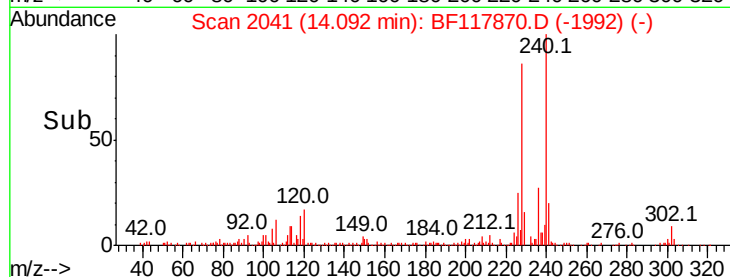
229 20.9 15.9 23.9



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: 2.511 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.02 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

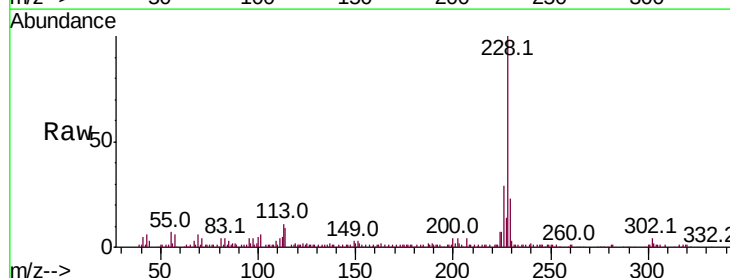
Tgt Ion:228 Resp: 74315

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.4

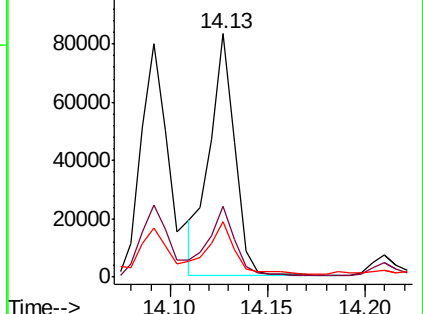
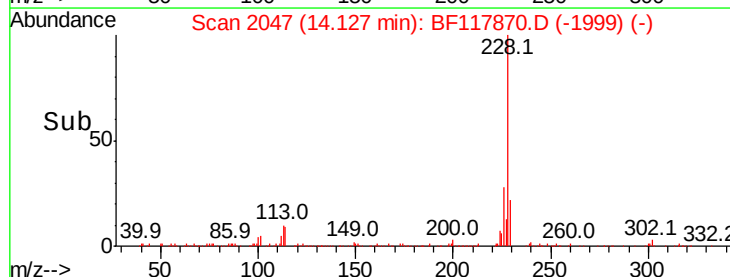
229 22.5 16.6 25.0

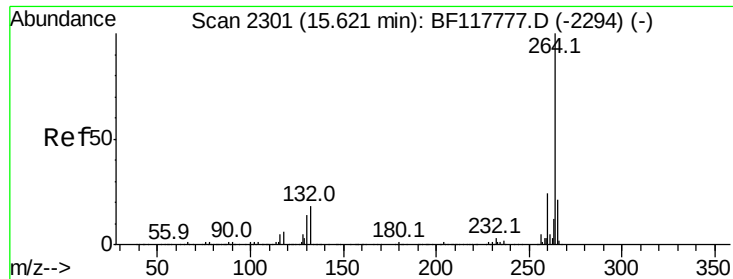


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

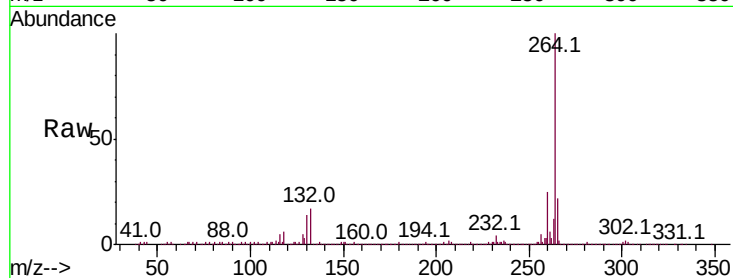
Tot Ion:264 Resp: 476961

Ion Ratio Lower Upper

264 100

260 24.7 19.4 29.0

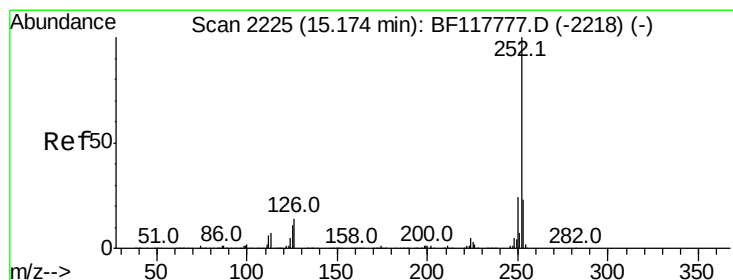
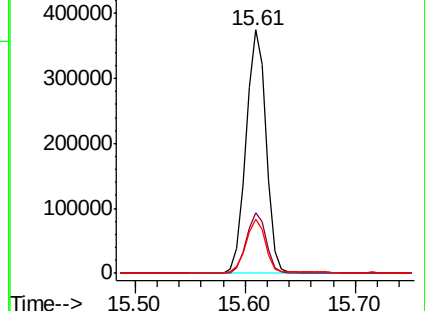
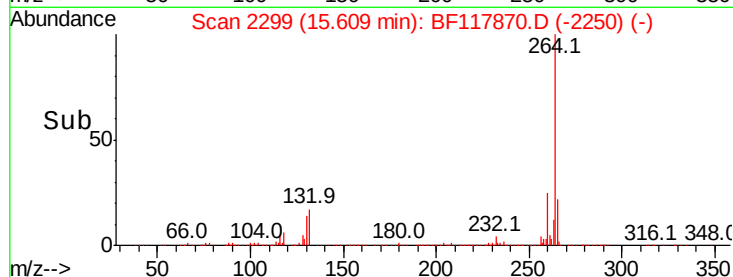
265 22.4 17.1 25.7



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: 3.461 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

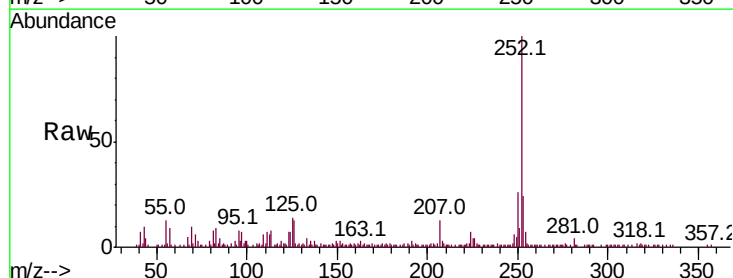
Tgt Ion:252 Resp: 107251

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

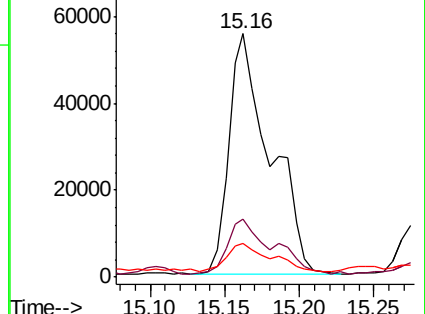
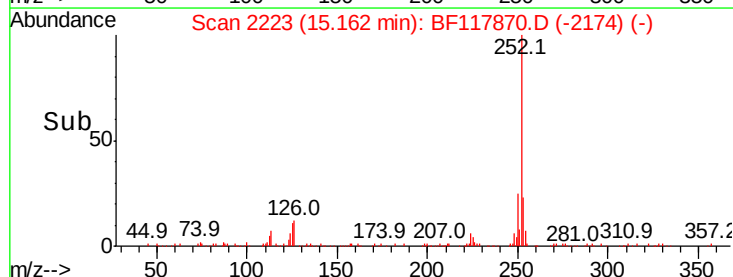
125 14.0 8.6 13.0#

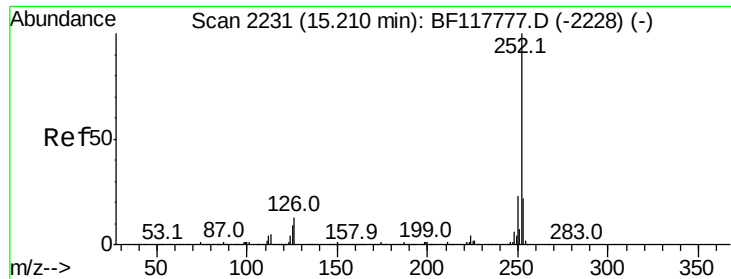


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.673 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.05 min

Lab File: BF117870.D

Acq: 19 Nov 2019 20:09

Instrument :

BNA_F

ClientSampleId :

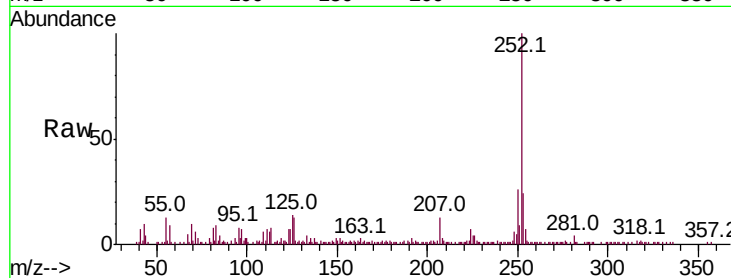
Tot Ion:252 Resp: 107251

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 14.0 7.9 11.9#



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

