

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
 Data File : BF115633.D
 Acq On : 17 Jul 2019 20:19
 Operator : HP/JU
 Sample : K3835-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)

Quant Time: Jul 18 04:47:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	207612	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	801972	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	355054	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	578459	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	372433	20.00	ng	-0.02
87) Perylene-d12	15.50	264	421222	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1159438	91.35	ng	0.00
7) Phenol-d6	6.52	99	1540682	95.66	ng	0.00
23) Nitrobenzene-d5	7.44	82	951602	69.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	354008	85.42	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1635368	80.62	ng	-0.02
79) Terphenyl-d14	12.98	244	1316609	65.23	ng	-0.02

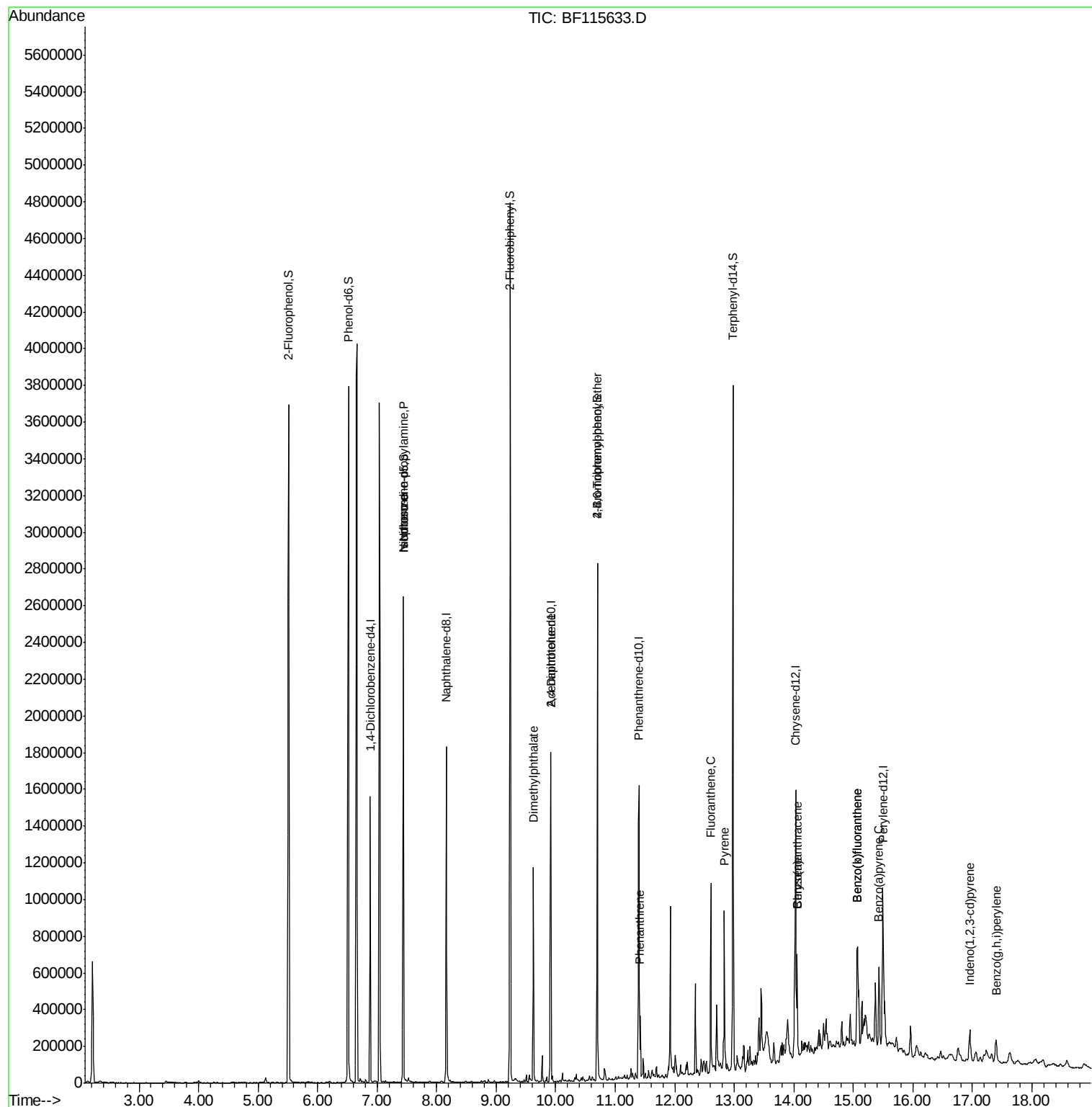
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	126912	12.083	ng	# 78
25) Isophorone	7.44	82	938198	33.995	ng	# 64
50) Dimethylphthalate	9.62	163	421853	15.792	ng	99
57) 2,4-Dinitrotoluene	9.92	165	46948	5.969	ng	# 24
67) 4-Bromophenyl-phenylether	10.70	248	22539	3.410	ng	# 1
71) Phenanthrene	11.42	178	137014	4.621	ng	94
75) Fluoranthene	12.60	202	374279	11.945	ng	99
78) Pyrene	12.83	202	331404	10.503	ng	96
81) Benzo(a)anthracene	14.05	228	211070	8.602	ng	99
83) Chrysene	14.05	228	211070	8.569	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	111891	5.347	ng	95
88) Benzo(b)fluoranthene	15.07	252	422875	15.591	ng	98
89) Benzo(k)fluoranthene	15.07	252	422875	17.487	ng	99
90) Benzo(a)pyrene	15.43	252	206052	8.839	ng	99
92) Benzo(g,h,i)perylene	17.40	276	97590	4.781	ng	99

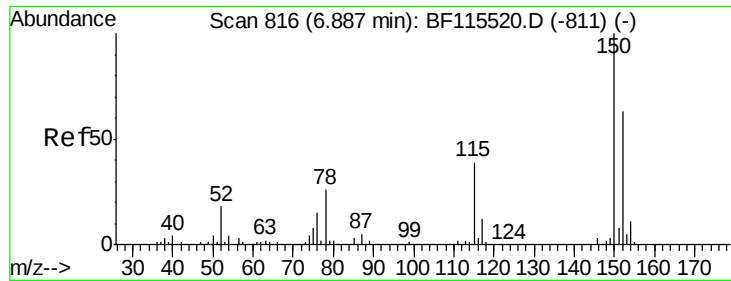
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
Data File : BF115633.D
Acq On : 17 Jul 2019 20:19
Operator : HP/JU
Sample : K3835-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)

Quant Time: Jul 18 04:47:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



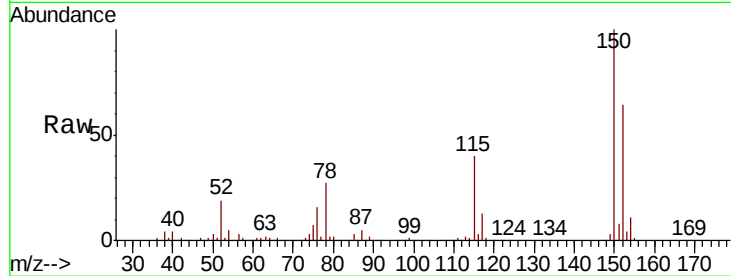


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	129.7	194.5
115	62.1	48.2	72.4

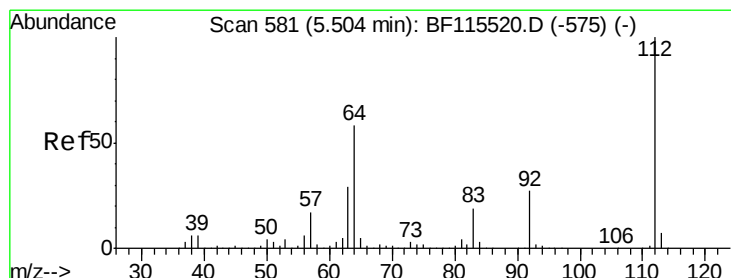
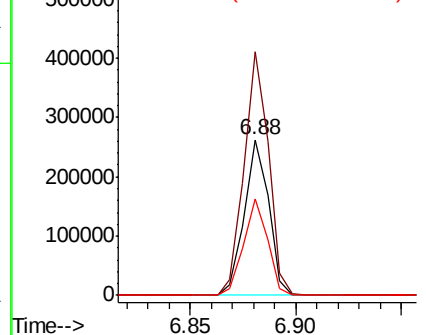
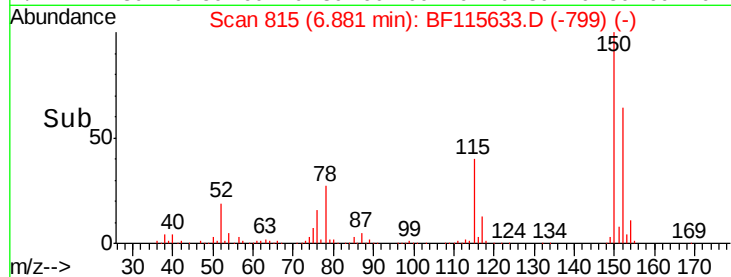


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

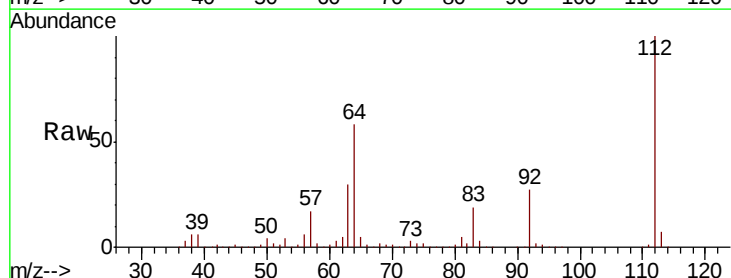
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.348 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.8	70.2
63	29.8	24.1	36.1

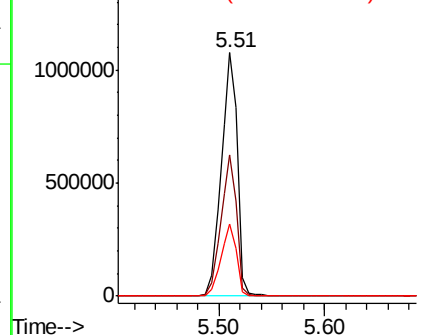
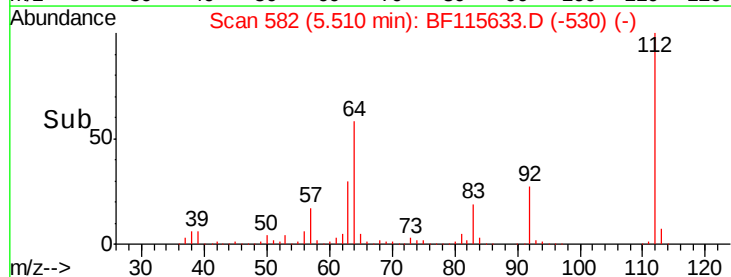


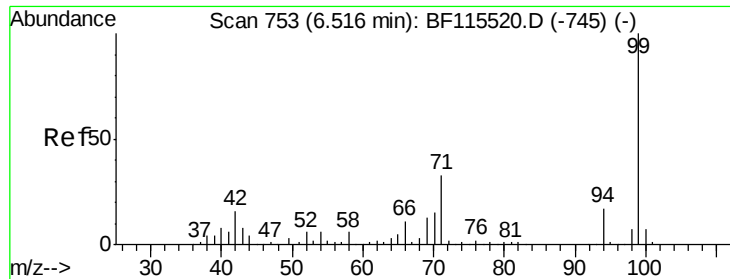
Abundance

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: 95.663 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

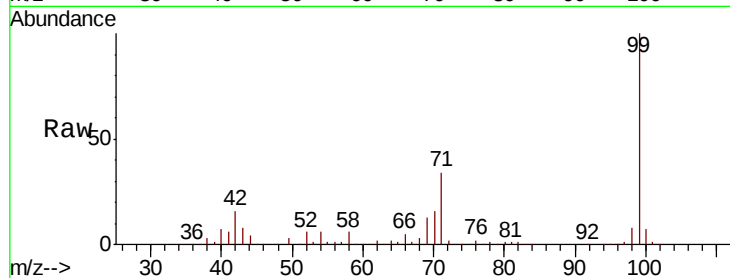
Tgt Ion: 99 Resp: 1540682

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

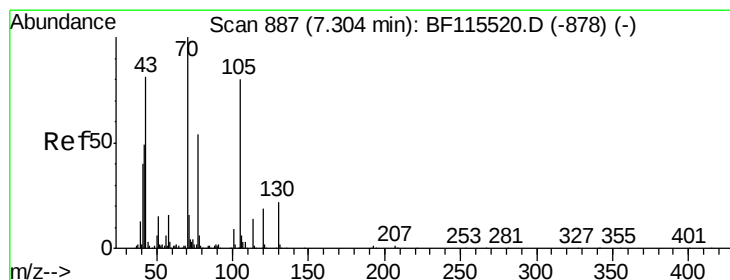
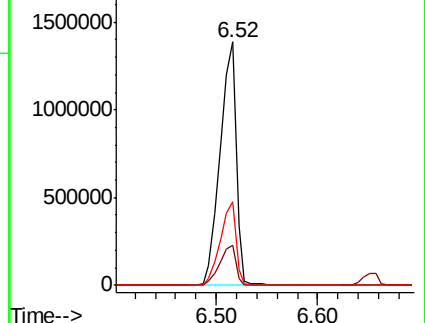
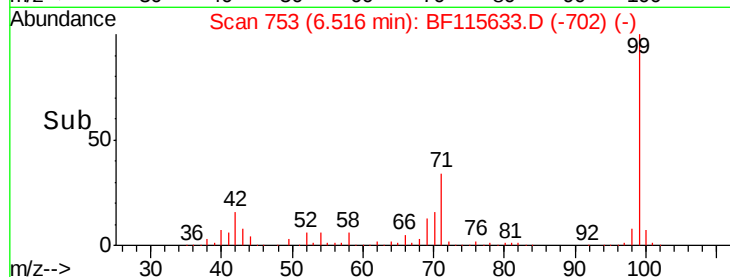
71 34.3 28.5 42.7



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: 12.083 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Tgt Ion: 70 Resp: 126912

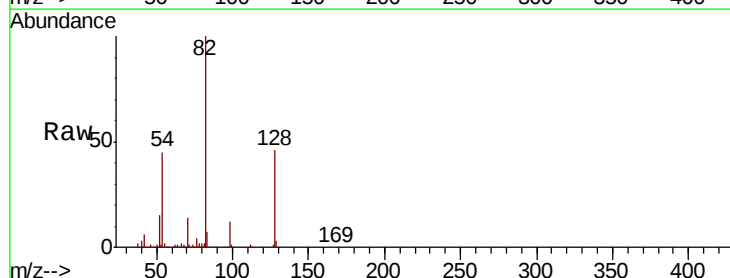
Ion Ratio Lower Upper

70 100

42 41.9 39.6 59.4

101 0.0 8.1 12.1#

130 2.2 18.2 27.2#

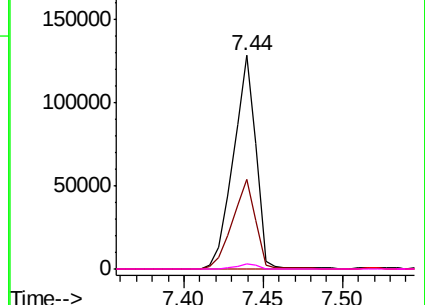
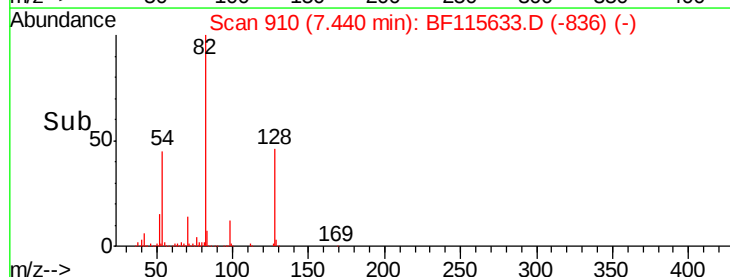


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

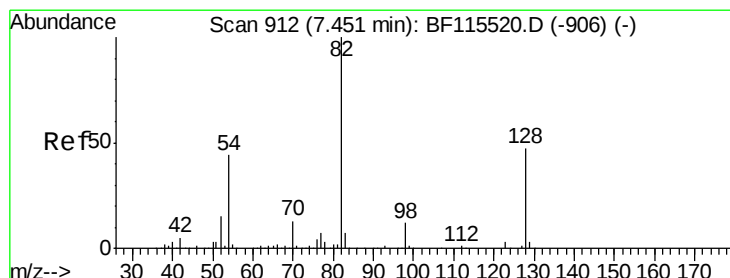
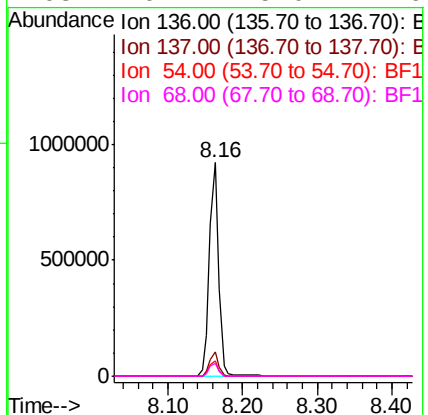
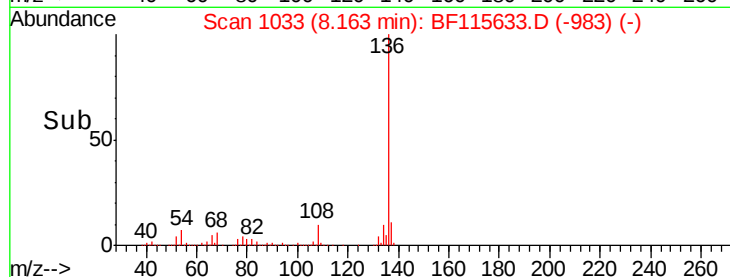
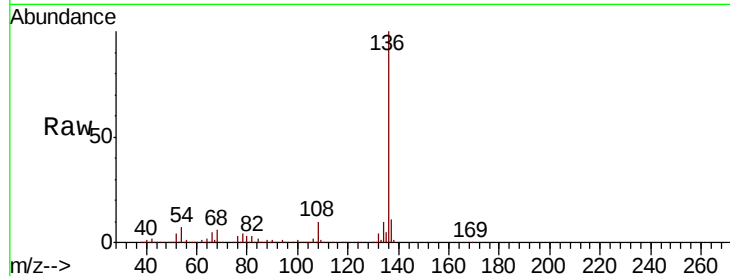




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

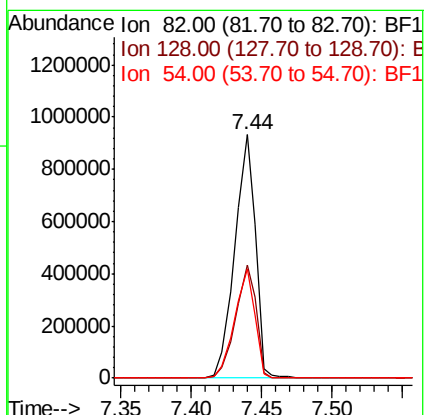
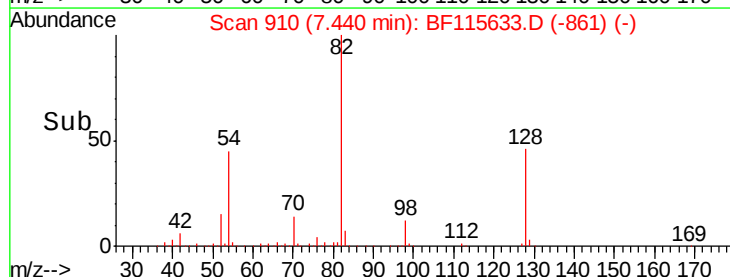
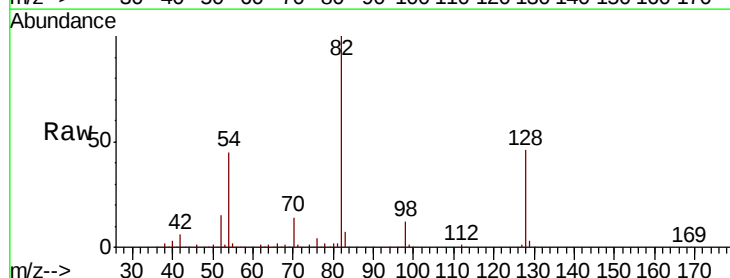
Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)

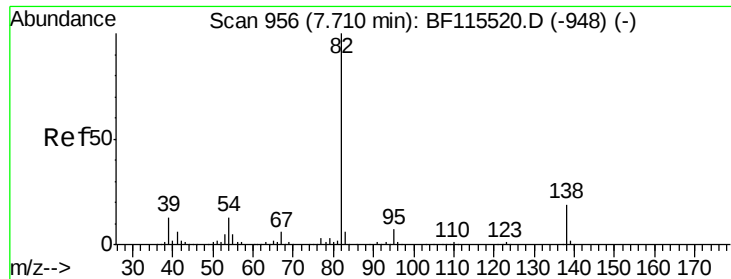
Tgt Ion:	136	Resp:	801972
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.9	5.6	8.4
68	6.1	5.0	7.6



#23
Nitrobenzene-d5
Concen: 68.995 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Tgt Ion:	82	Resp:	951602
Ion	Ratio	Lower	Upper
82	100		
128	46.3	38.6	57.8
54	45.1	35.6	53.4





#25

Isophorone

Concen: 33.995 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

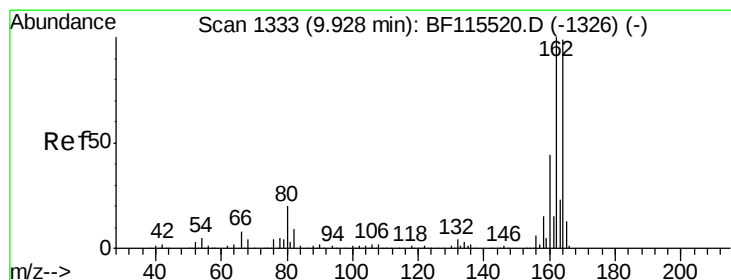
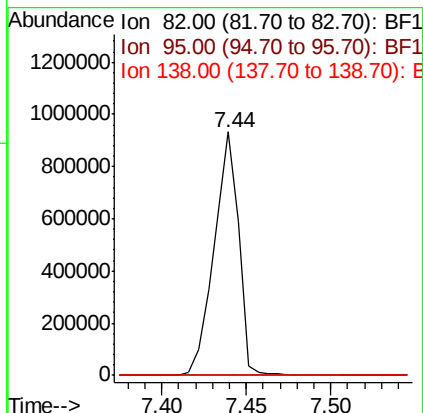
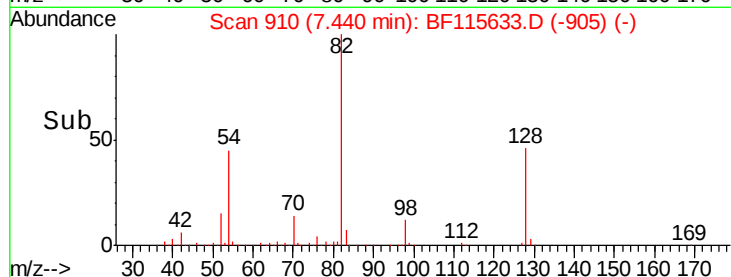
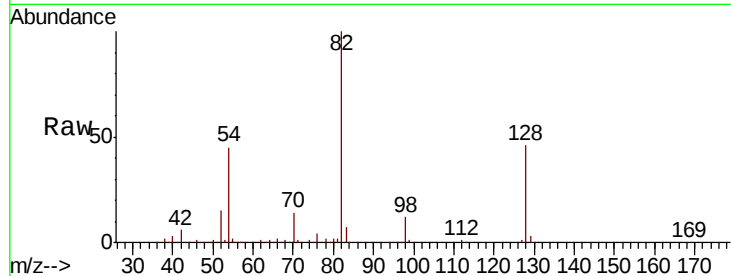
Tgt Ion: 82 Resp: 938198

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

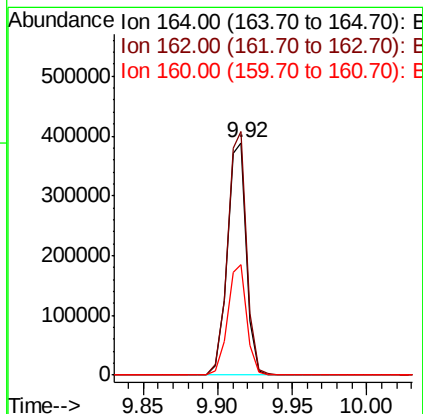
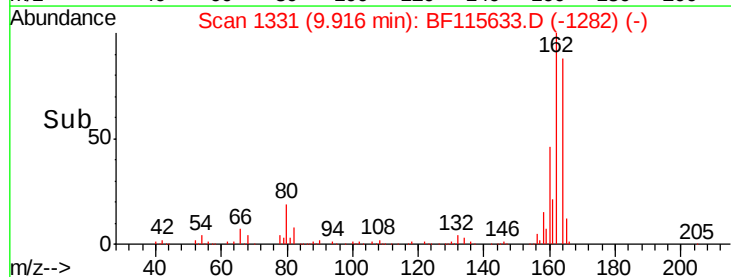
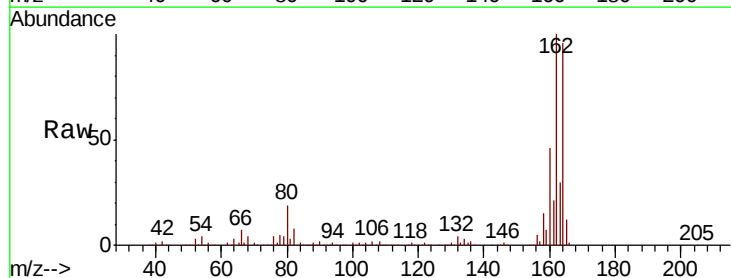
Tgt Ion: 164 Resp: 355054

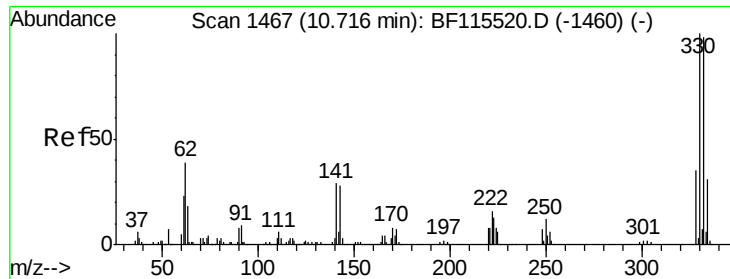
Ion Ratio Lower Upper

164 100

162 104.7 82.9 124.3

160 47.7 36.8 55.2





#42

2,4,6-Tribromophenol

Concen: 85.420 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

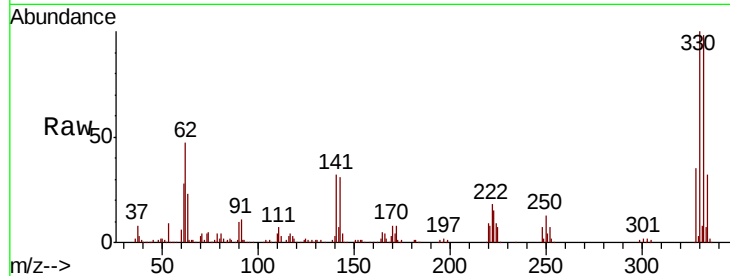
Tgt Ion:330 Resp: 354008

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

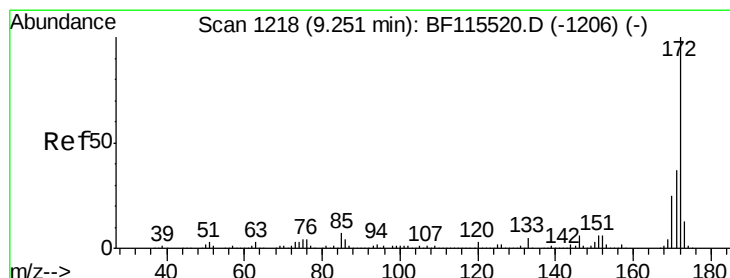
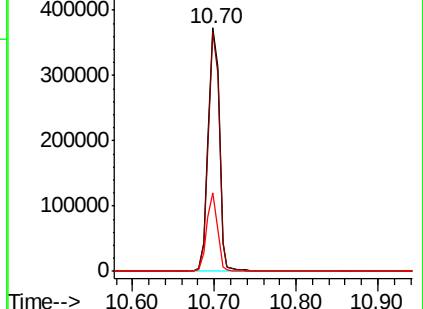
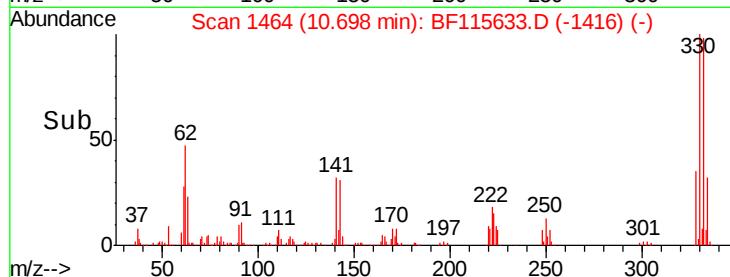
141 31.5 22.4 33.6



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 80.618 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

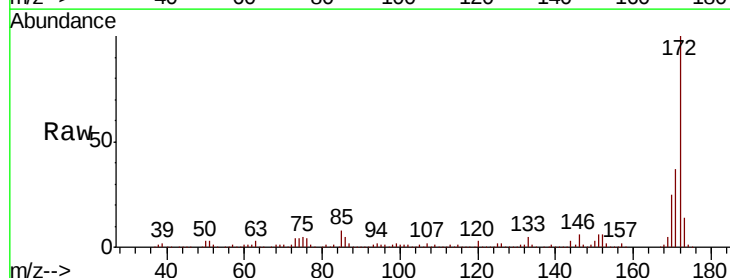
Tgt Ion:172 Resp: 1635368

Ion Ratio Lower Upper

172 100

171 36.9 30.6 46.0

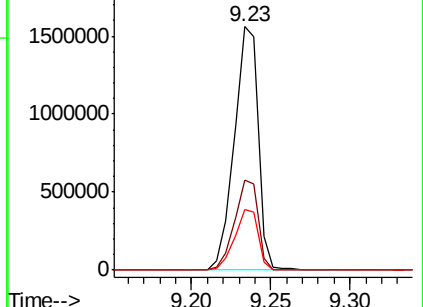
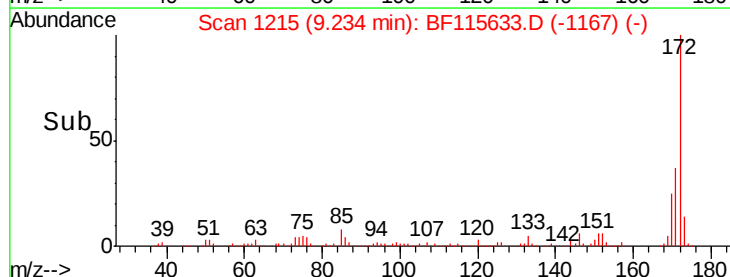
170 25.0 20.5 30.7

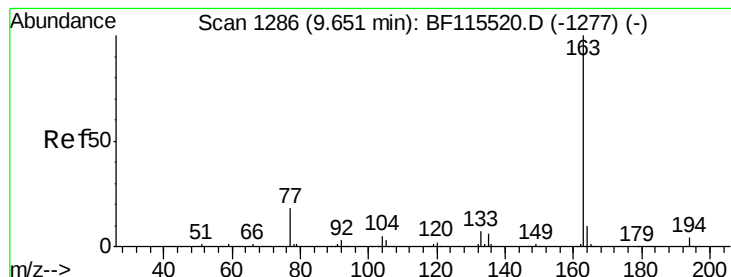


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 15.792 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

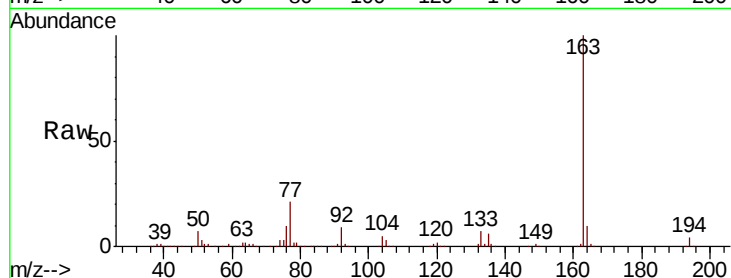
Tgt Ion:163 Resp: 421853

Ion Ratio Lower Upper

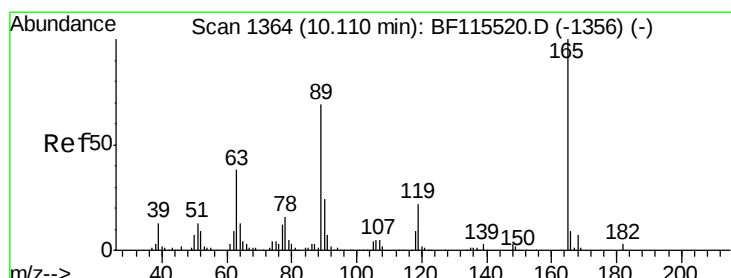
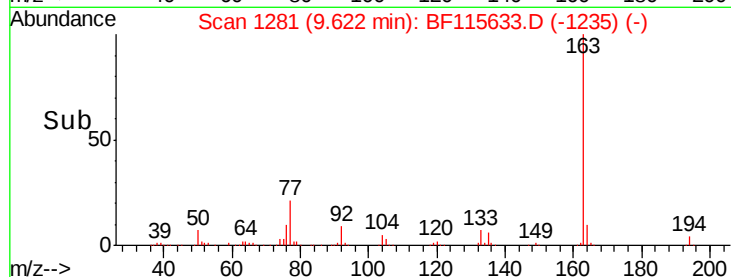
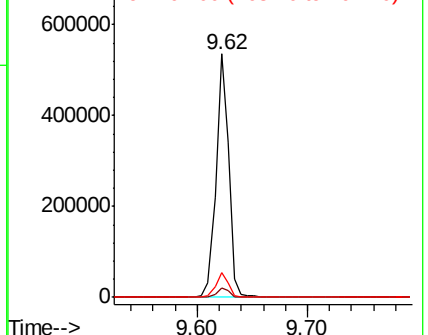
163 100

194 3.7 3.3 4.9

164 10.4 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.969 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Tgt Ion:165 Resp: 46948

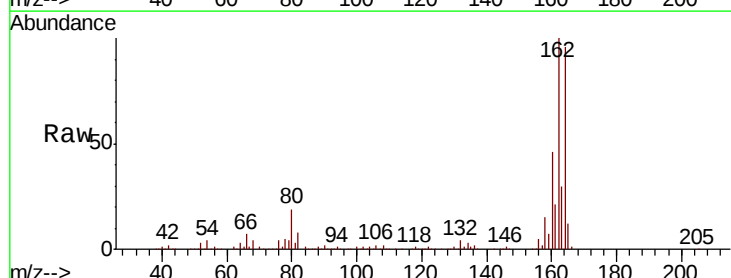
Ion Ratio Lower Upper

165 100

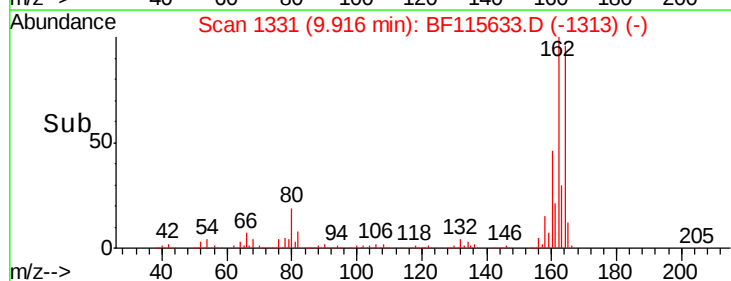
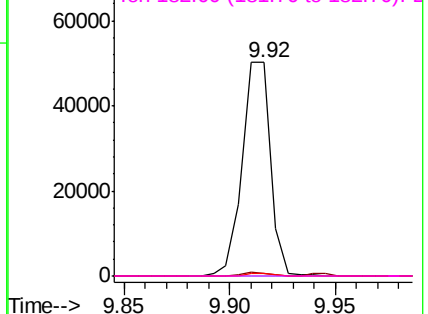
63 1.0 34.9 52.3#

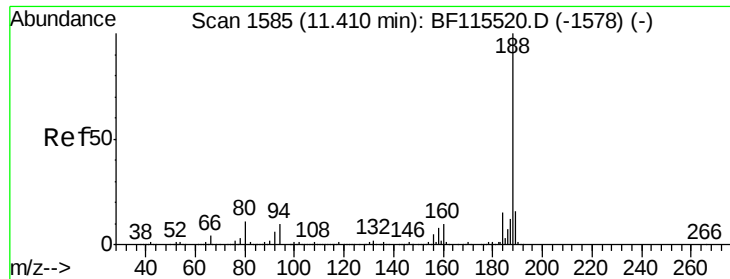
89 1.3 57.5 86.3#

182 0.0 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

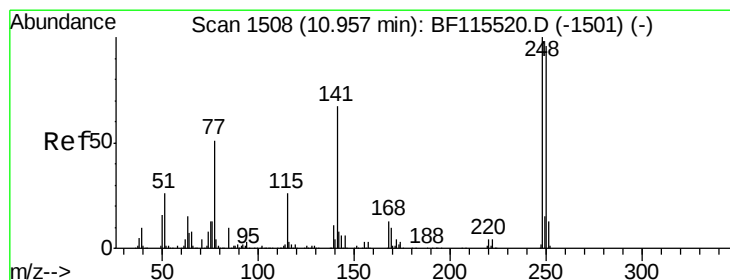
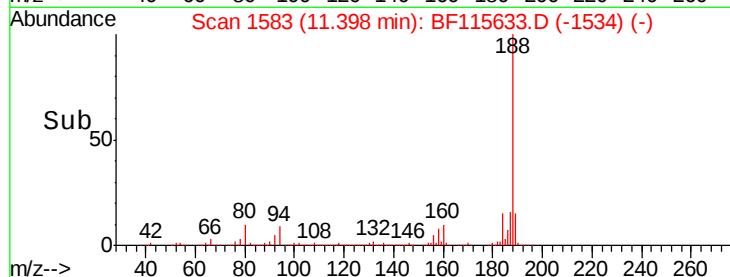
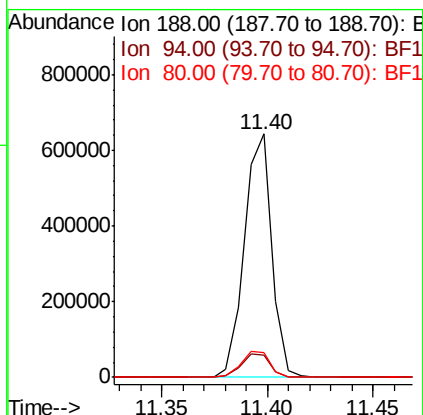
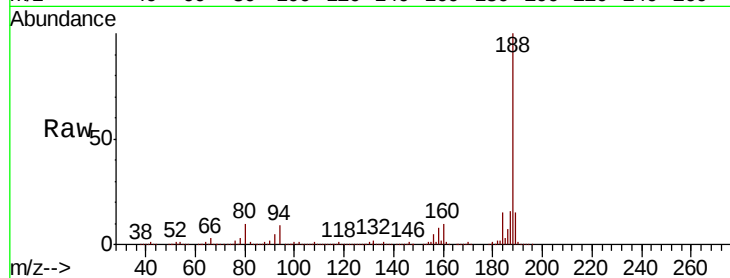




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

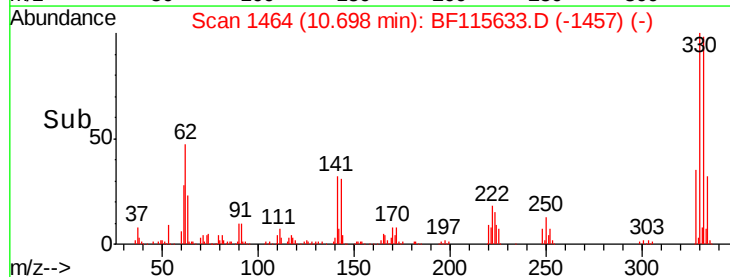
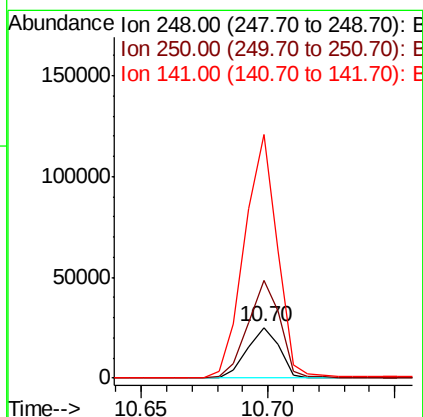
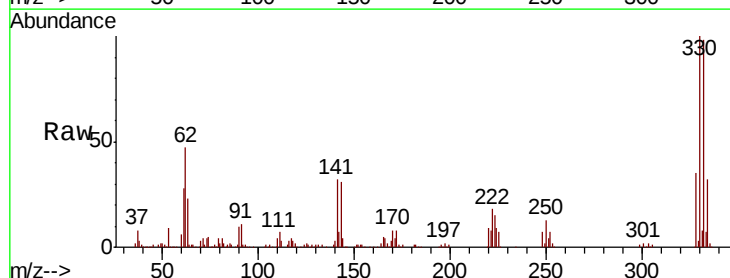
Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)

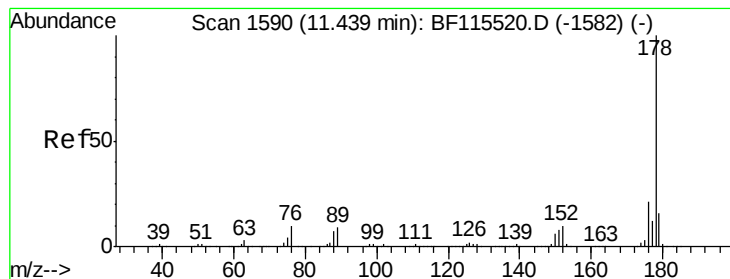
Tgt Ion:188 Resp: 578459
Ion Ratio Lower Upper
188 100
94 9.1 7.8 11.6
80 10.1 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 3.410 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.26 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Tgt Ion:248 Resp: 22539
Ion Ratio Lower Upper
248 100
250 192.2 78.0 117.0#
141 480.9 57.7 86.5#





#71

Phenanthrene

Concen: 4.621 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.02 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

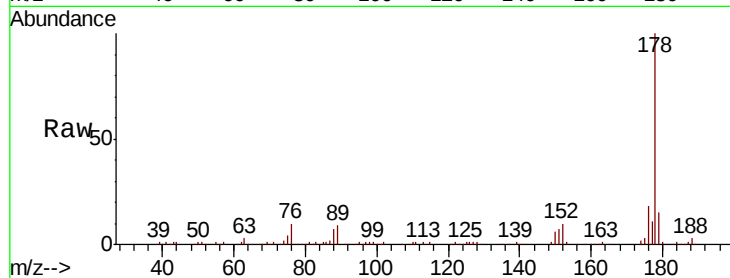
Tgt Ion:178 Resp: 137014

Ion Ratio Lower Upper

178 100

176 18.0 17.2 25.8

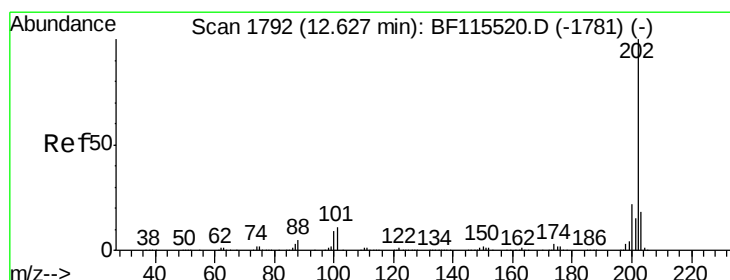
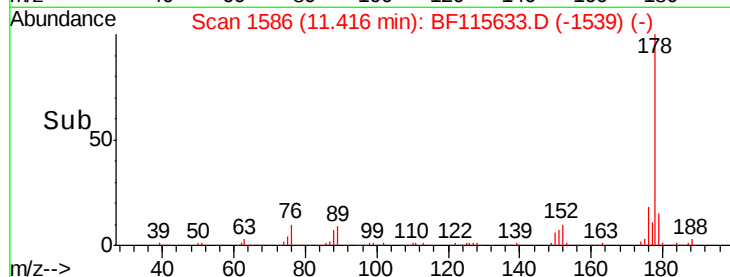
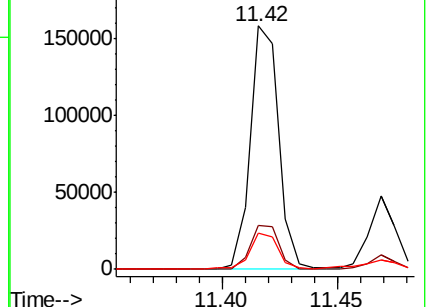
179 15.0 13.5 20.3



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: 11.945 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

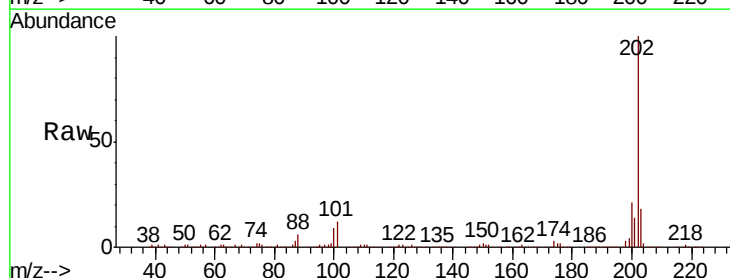
Tgt Ion:202 Resp: 374279

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.4

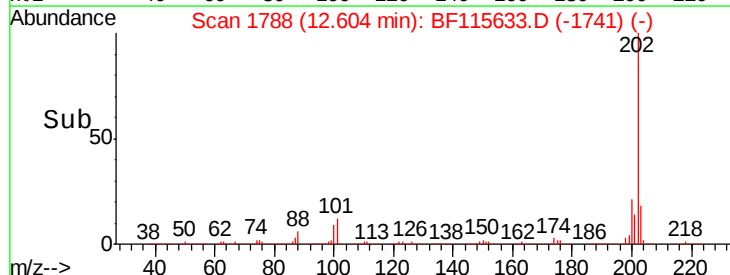
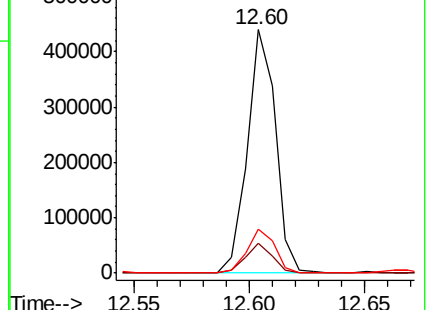
203 17.8 0.0 38.1

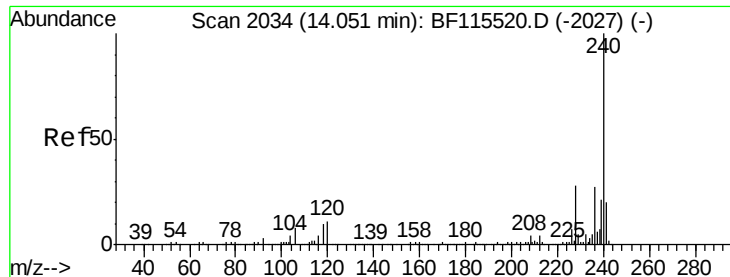


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

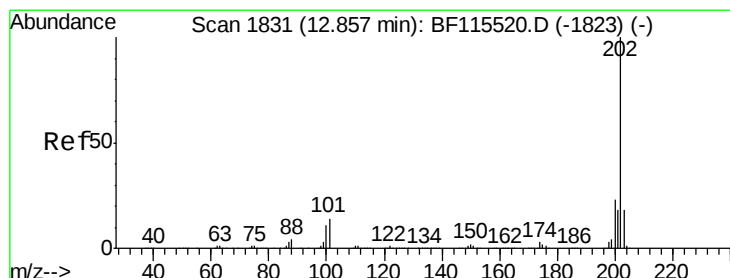
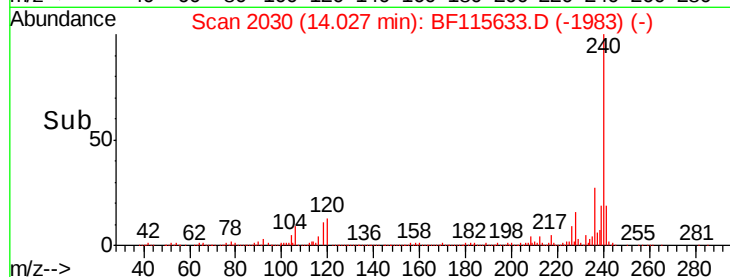
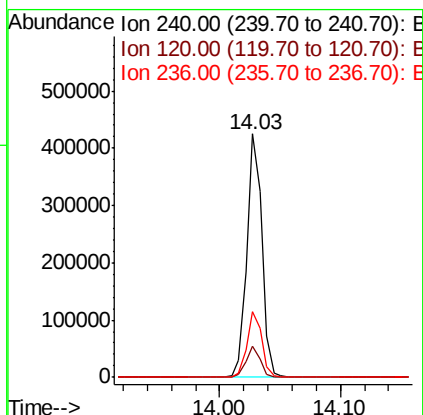
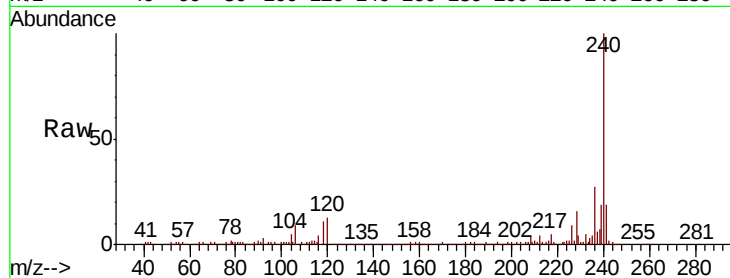




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

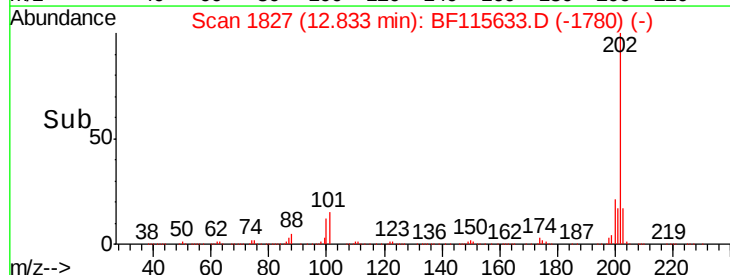
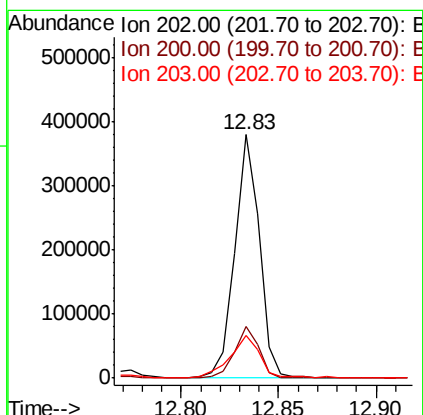
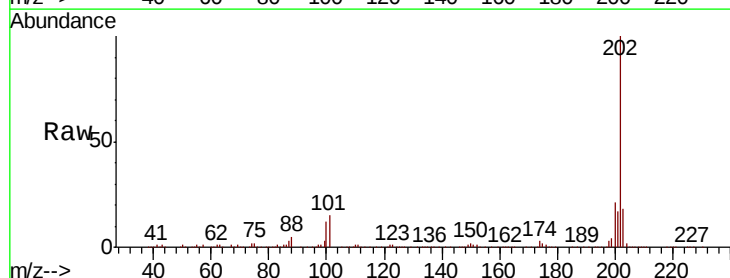
Instrument :
BNA_F
ClientSampled :
SB-1(0-2)

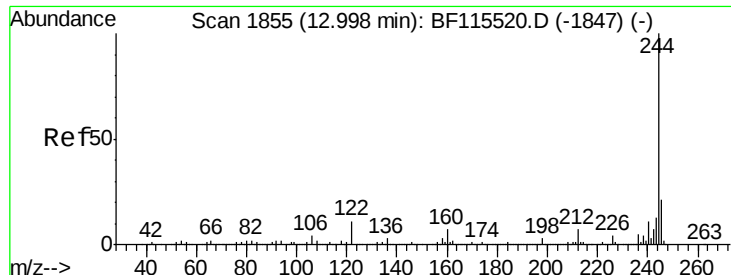
Tgt Ion:240 Resp: 372433
Ion Ratio Lower Upper
240 100
120 12.7 8.6 13.0
236 27.0 21.3 31.9



#78
Pyrene
Concen: 10.503 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Tgt Ion:202 Resp: 331404
Ion Ratio Lower Upper
202 100
200 21.4 18.7 28.1
203 17.5 15.2 22.8





#79

Terphenyl-d14

Concen: 65.230 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

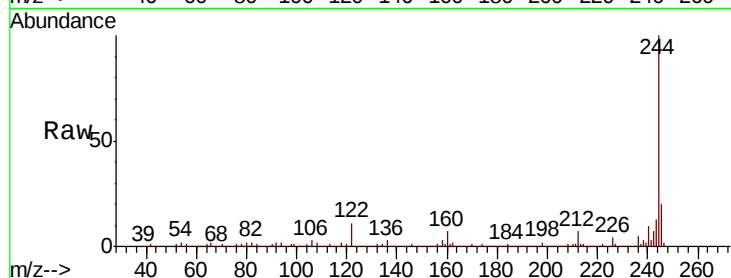
Tgt Ion:244 Resp: 1316609

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

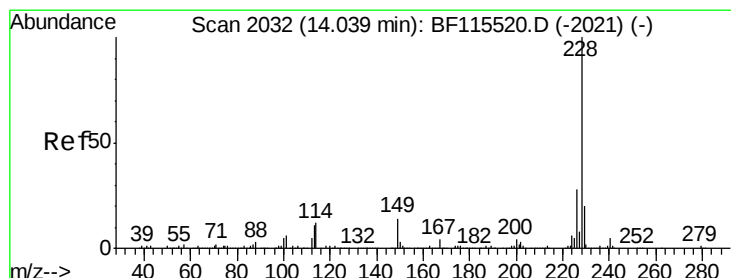
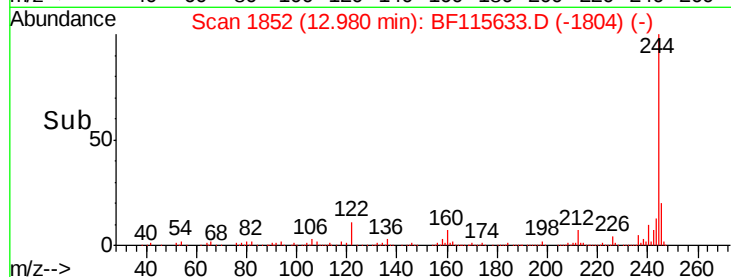
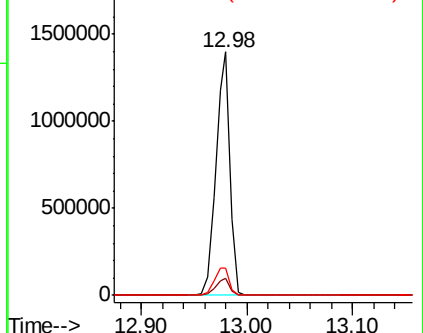
122 11.0 8.6 12.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 8.602 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

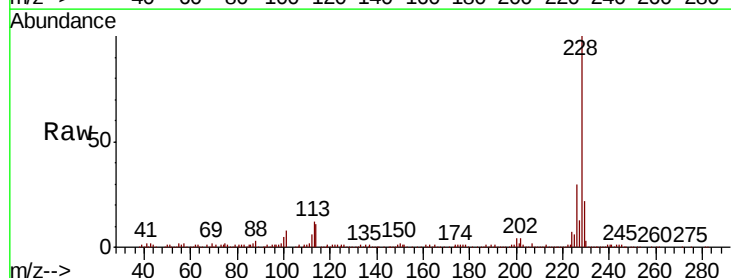
Tgt Ion:228 Resp: 211070

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

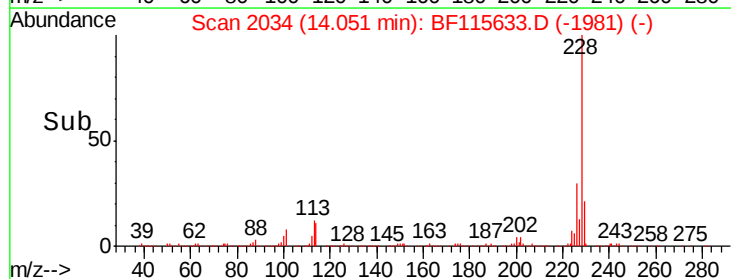
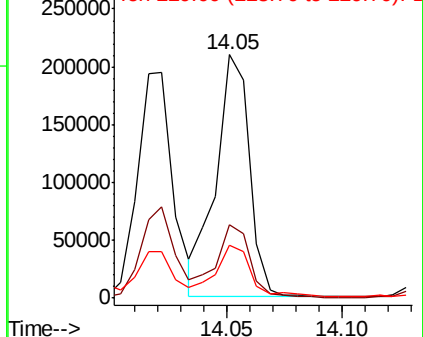
229 21.6 17.2 25.8

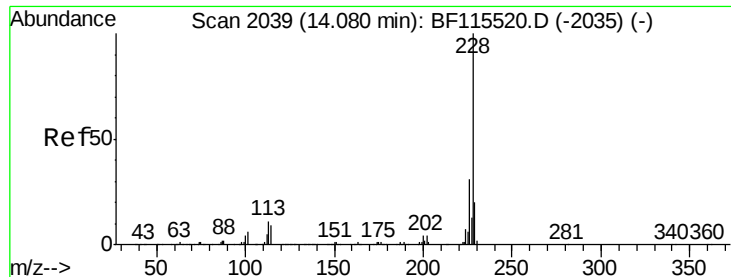


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.569 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.03 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

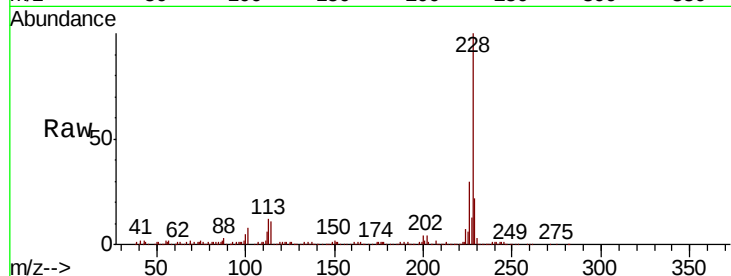
Tgt Ion:228 Resp: 211070

Ion Ratio Lower Upper

228 100

226 29.9 25.7 38.5

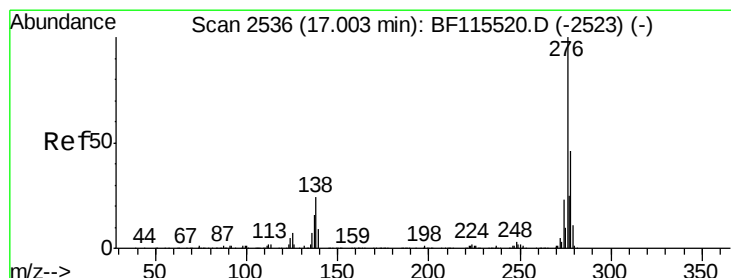
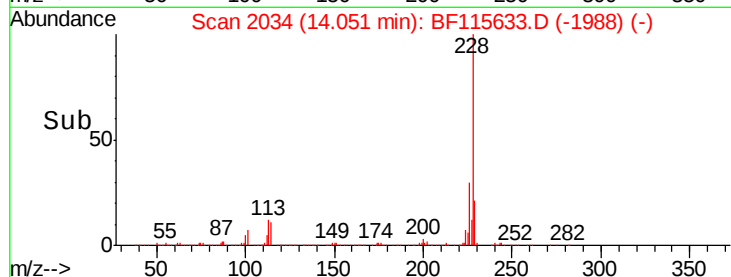
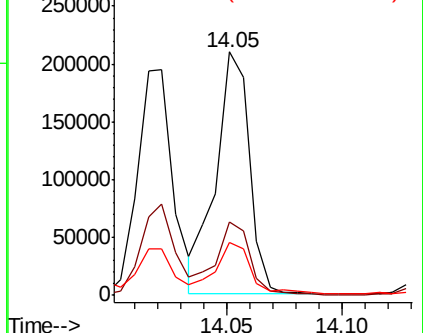
229 21.6 16.6 25.0



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.347 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.05 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

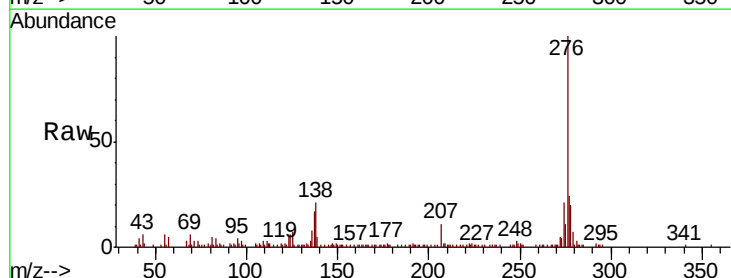
Tgt Ion:276 Resp: 111891

Ion Ratio Lower Upper

276 100

138 21.1 20.2 30.2

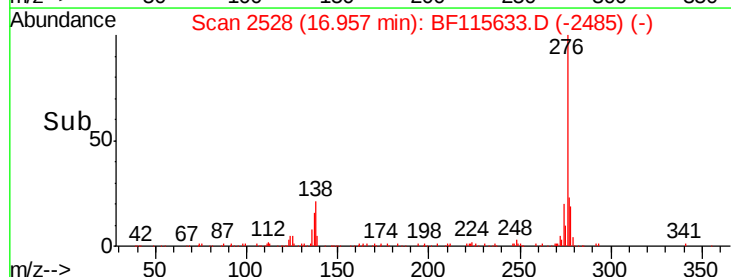
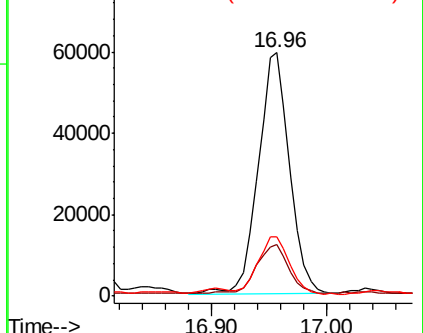
277 24.2 20.4 30.6

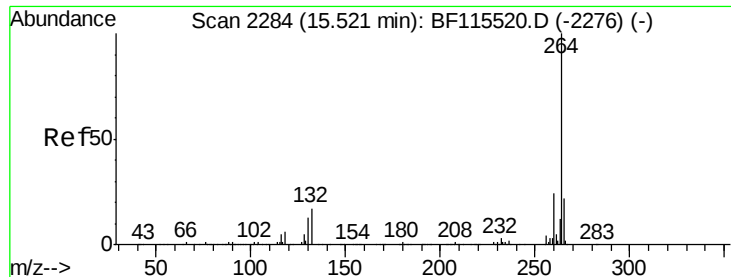


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

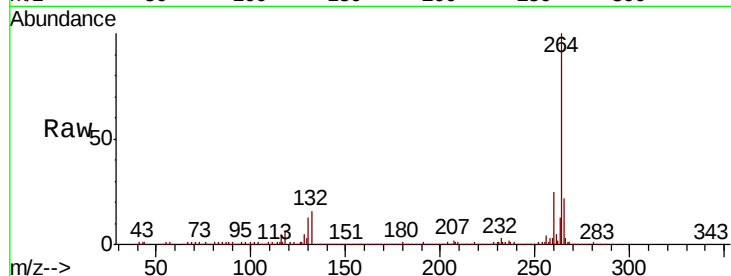




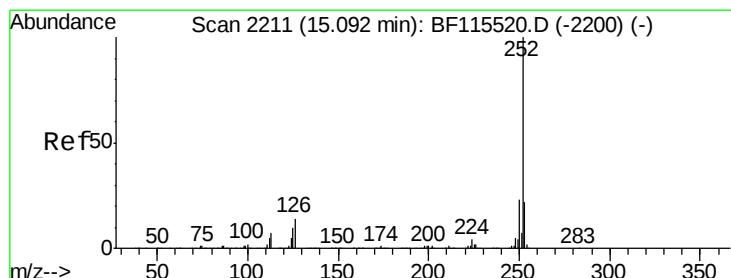
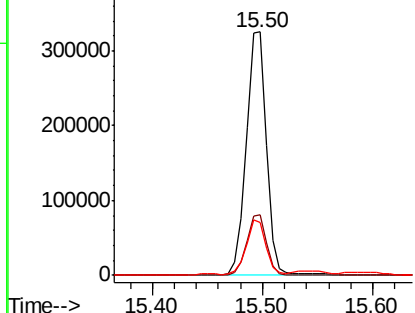
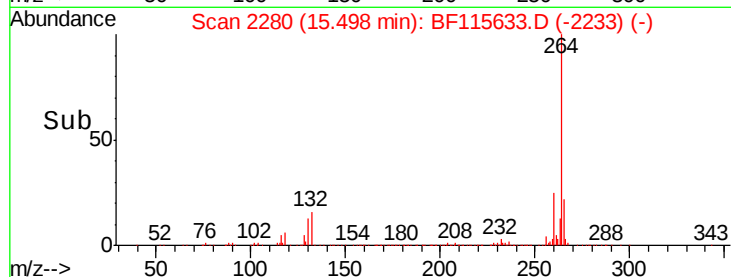
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)

Tgt Ion:264 Resp: 421222
Ion Ratio Lower Upper
264 100
260 24.8 19.8 29.8
265 21.7 17.7 26.5

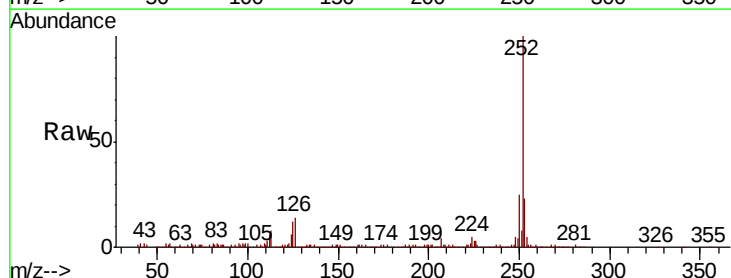


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

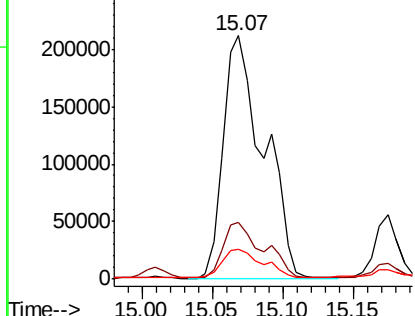
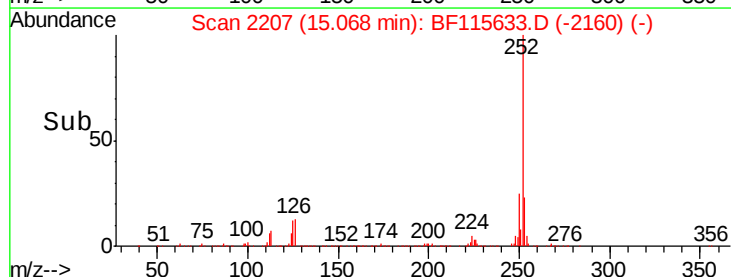


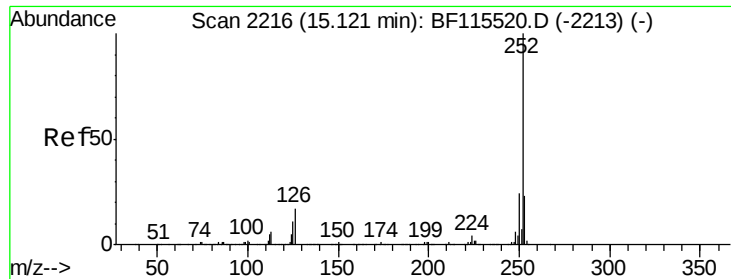
#88
Benzo(b)fluoranthene
Concen: 15.591 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Tgt Ion:252 Resp: 422875
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 12.3 9.0 13.4



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

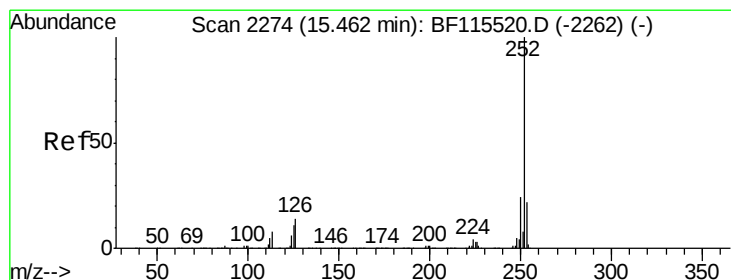
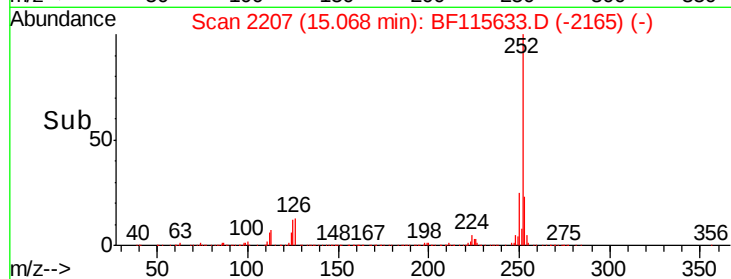
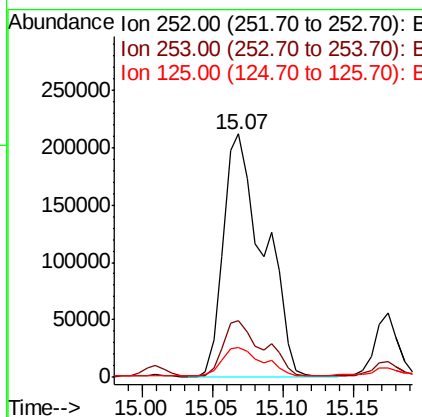
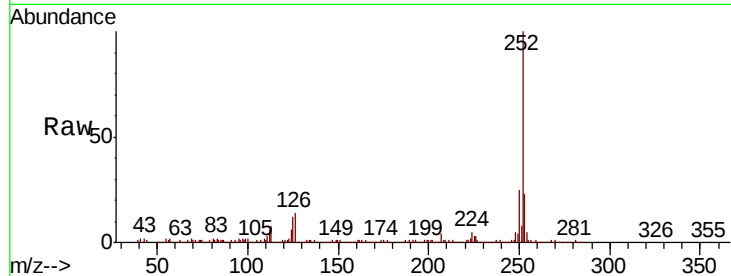




#89
Benzo(k)fluoranthene
Concen: 17.487 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

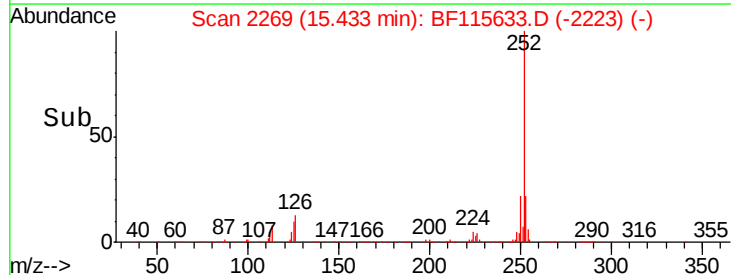
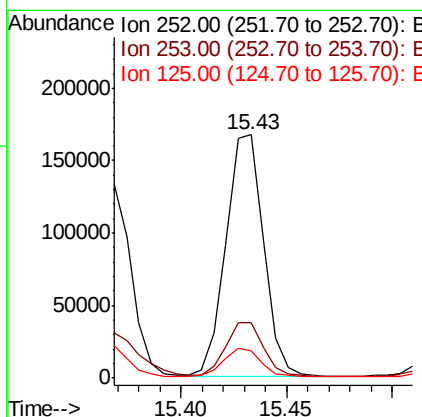
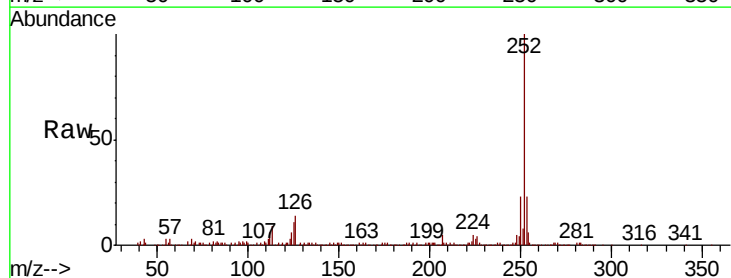
Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)

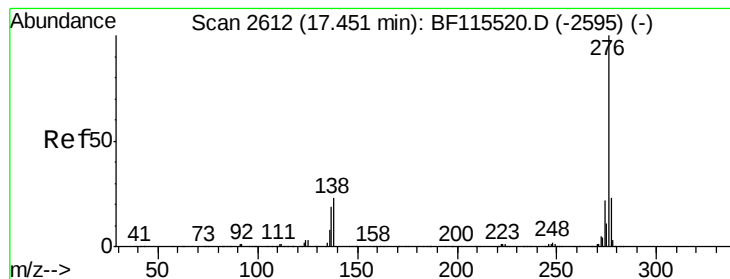
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.6	28.0
125	12.3	9.0	13.6



#90
Benzo(a)pyrene
Concen: 8.839 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.03 min
Lab File: BF115633.D
Acq: 17 Jul 2019 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.1	9.1	13.7





#92

Benzo(g,h,i)perylene

Concen: 4.781 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.05 min

Lab File: BF115633.D

Acq: 17 Jul 2019 20:19

Instrument :

BNA_F

ClientSampleId :

SB-1(0-2)

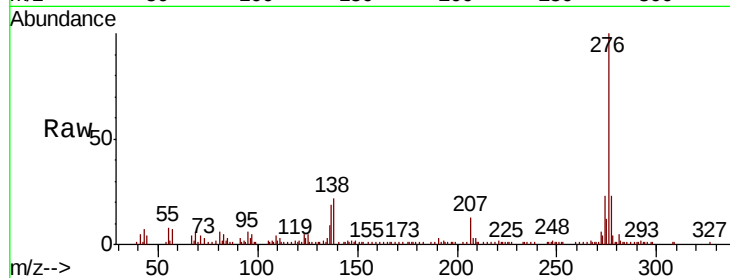
Tgt Ion: 276 Resp: 97590

Ion Ratio Lower Upper

276 100

277 22.8 19.0 28.4

138 21.6 17.2 25.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

