

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117714.D
 Acq On : 7 Nov 2019 19:33
 Operator : JU
 Sample : K5723-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-D

Quant Time: Nov 08 01:26:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	570265	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	2154362	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	1151250	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	2099886	20.00	ng	0.00
76) Chrysene-d12	14.12	240	1427526	20.00	ng	0.00
87) Perylene-d12	15.63	264	1662991	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1674309	53.15	ng	0.00
7) Phenol-d6	6.55	99	2119789	54.57	ng	0.00
23) Nitrobenzene-d5	7.49	82	1262890	34.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	603428	53.58	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2257765	38.69	ng	0.00
79) Terphenyl-d14	13.06	244	2465596	35.56	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	101872	2.434	ng	84
19) n-Nitroso-di-n-propylamine	7.49	70	172972	6.772	ng	# 77
25) Isophorone	7.49	82	1259651	18.048	ng	# 62
50) Dimethylphthalate	9.69	163	359627	4.621	ng	98
51) 2,6-Dinitrotoluene	9.98	165	155466	8.921	ng	# 24
57) 2,4-Dinitrotoluene	9.98	165	155466	6.954	ng	# 28
75) Fluoranthene	12.69	202	355535	3.459	ng	96
78) Pyrene	12.92	202	381254	3.659	ng	97
83) Chrysene	14.14	228	202869	2.312	ng	97
88) Benzo(b)fluoranthene	15.18	252	341689	3.262	ng	96
89) Benzo(k)fluoranthene	15.18	252	341689	3.658	ng	99

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

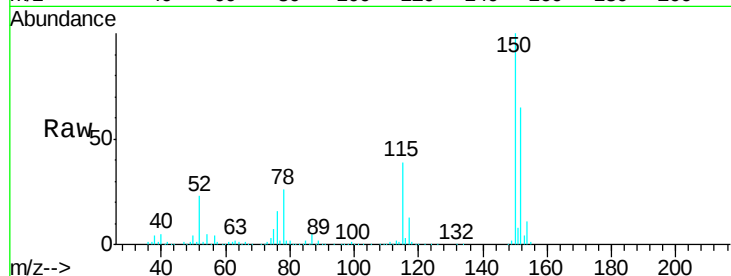


#1

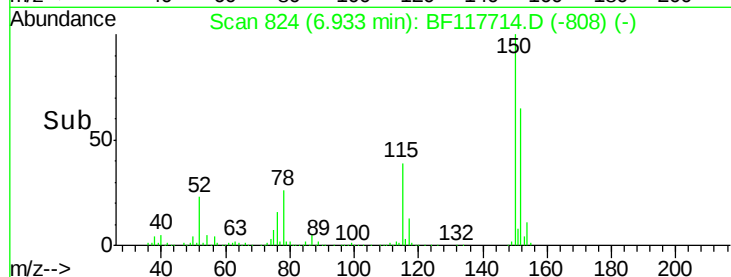
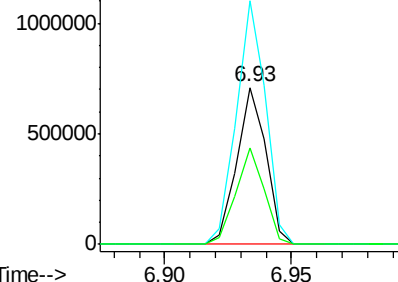
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Instrument :
BNA_F
ClientSampled :
8-D

Tgt Ion:152 Resp: 570265
Ion Ratio Lower Upper
152 100
150 155.0 121.4 182.2
115 61.2 46.7 70.1



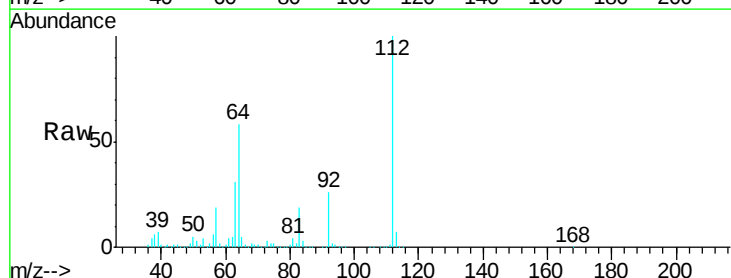
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



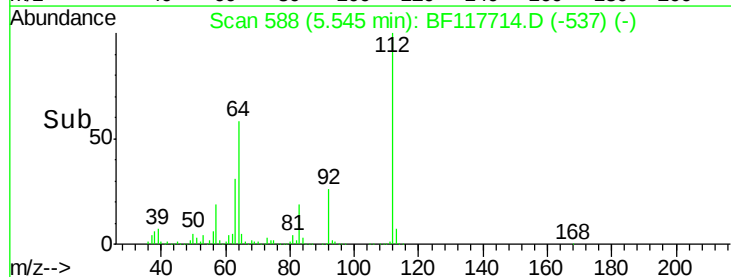
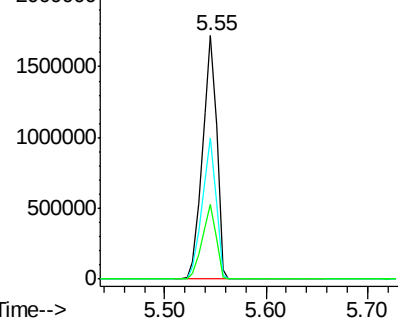
#5

2-Fluorophenol
Concen: 53.146 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Tgt Ion:112 Resp: 1674309
Ion Ratio Lower Upper
112 100
64 58.0 46.4 69.6
63 30.9 24.6 37.0



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: 54.570 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

Instrument :

BNA_F

ClientSampleId :

8-D

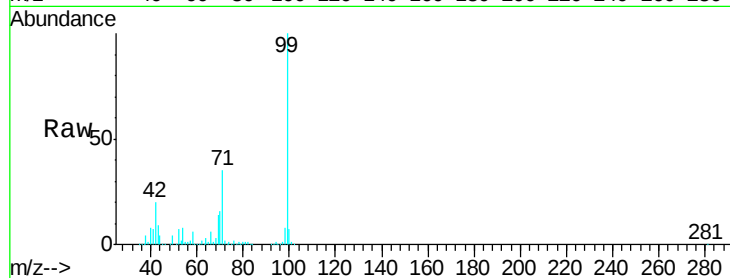
Tgt Ion: 99 Resp: 2119789

Ion Ratio Lower Upper

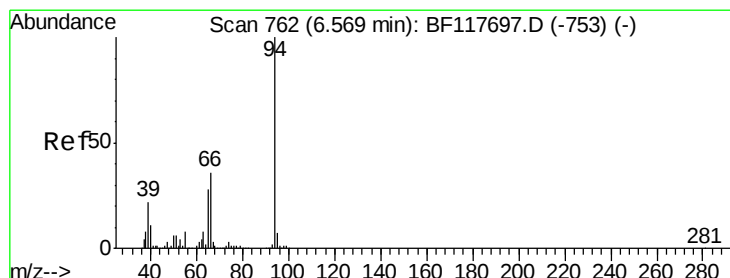
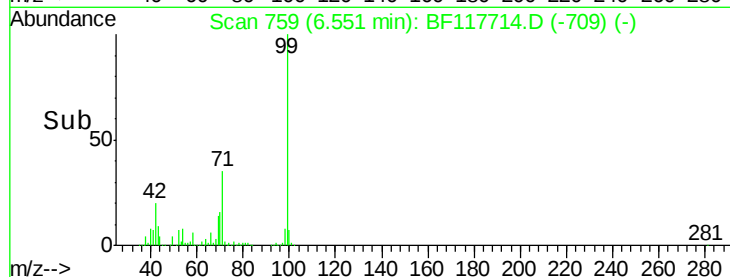
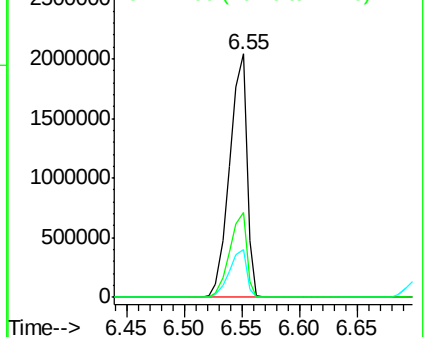
99 100

42 19.6 15.3 22.9

71 34.9 26.8 40.2



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: 2.434 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

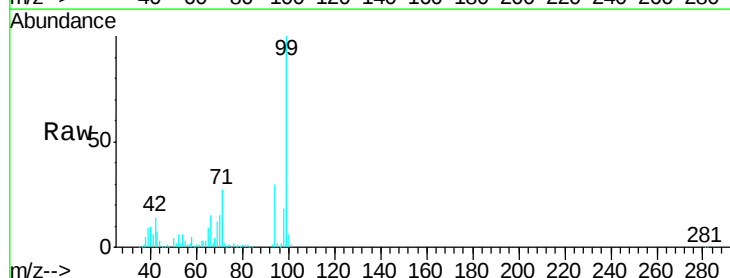
Tgt Ion: 94 Resp: 101872

Ion Ratio Lower Upper

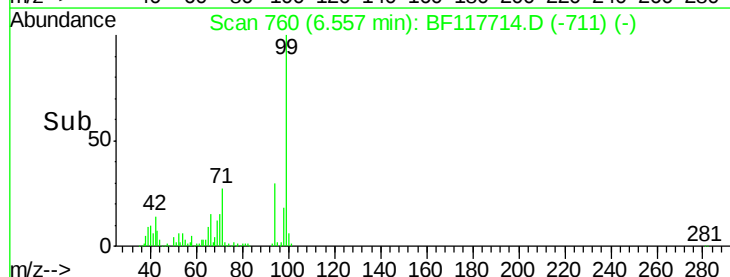
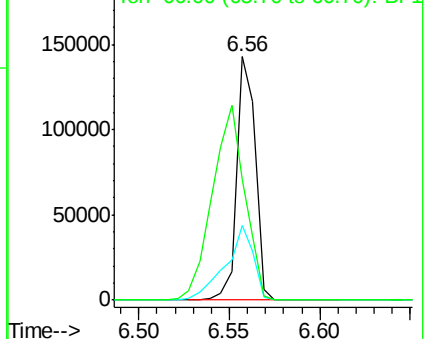
94 100

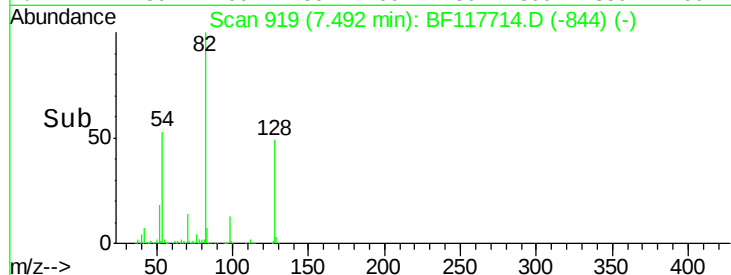
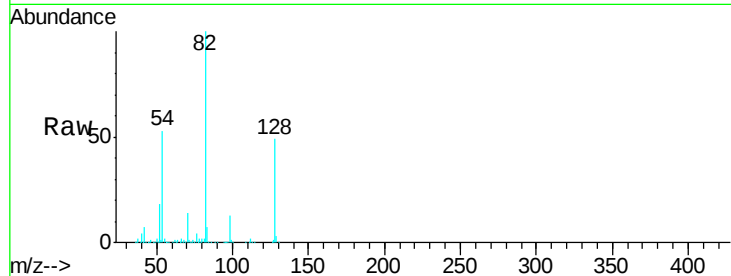
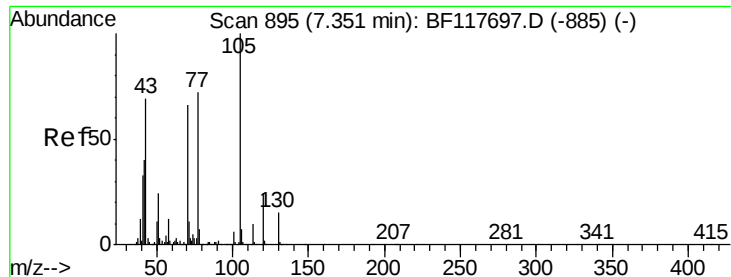
65 30.8 7.6 47.6

66 49.6 16.1 56.1



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

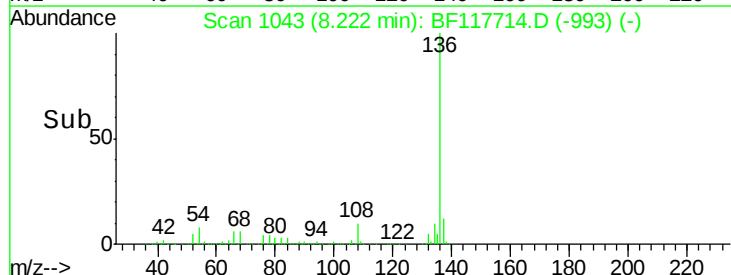
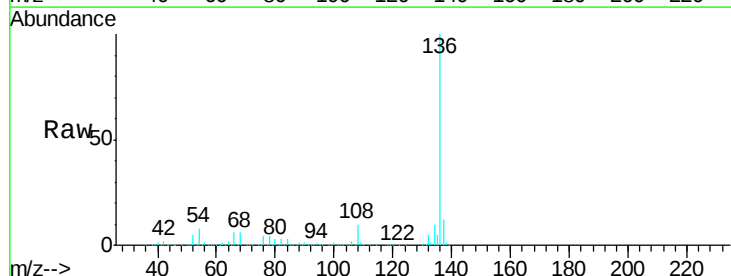
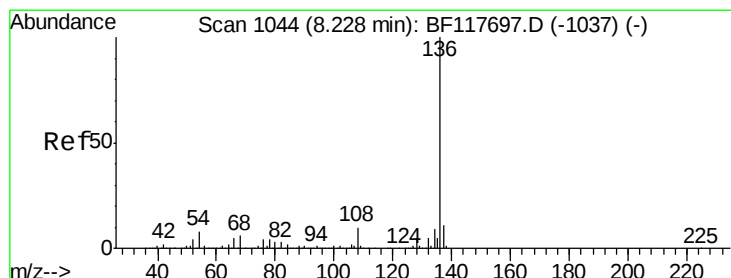
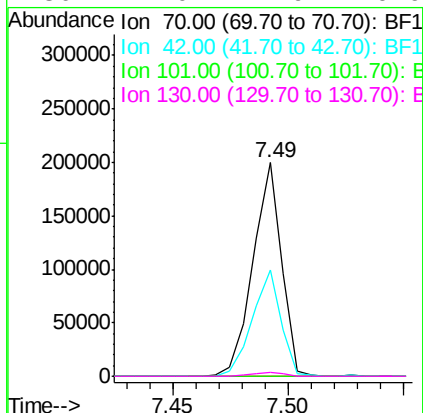




#19
n-Nitroso-di-n-propylamine
Concen: 6.772 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

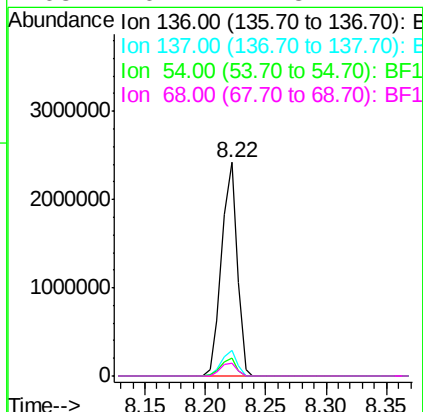
Instrument :
BNA_F
ClientSampleId :
8-D

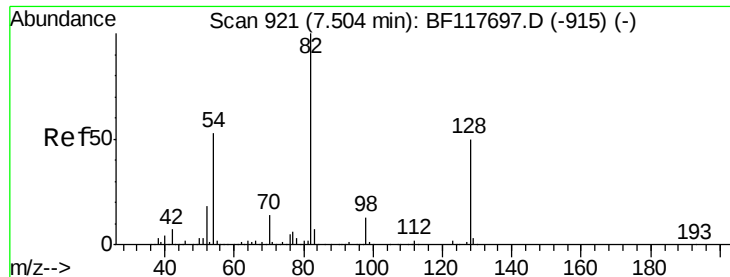
Tgt Ion: 70 Resp: 172972
Ion Ratio Lower Upper
70 100
42 50.0 49.1 73.7
101 0.0 7.8 11.8#
130 2.0 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Tgt Ion: 136 Resp: 2154362
Ion Ratio Lower Upper
136 100
137 11.8 8.8 13.2
54 8.4 6.0 9.0
68 6.2 4.8 7.2

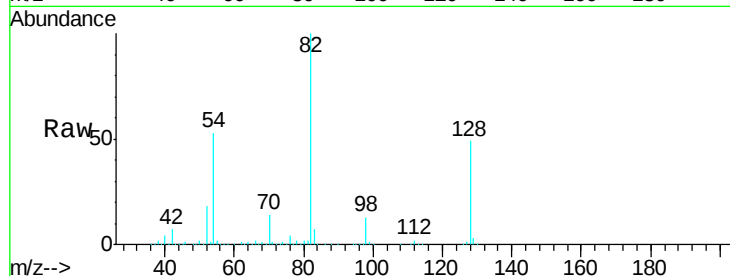




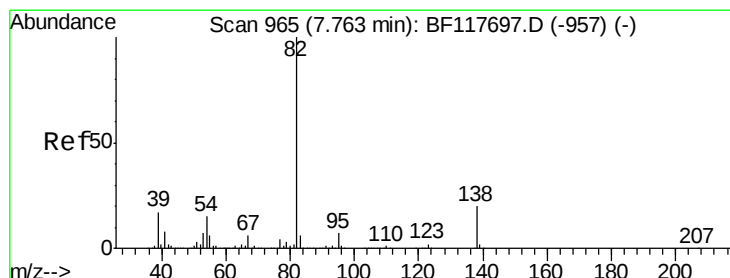
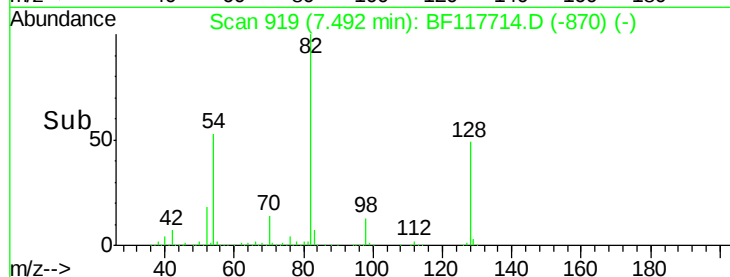
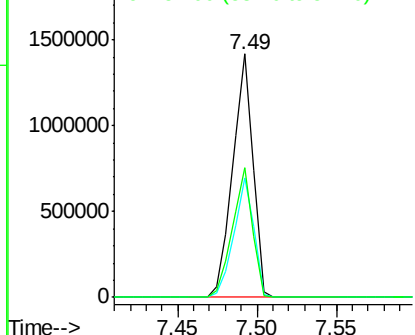
#23
Nitrobenzene-d5
Concen: 34.609 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Instrument :
BNA_F
ClientSampleId :
8-D

Tgt Ion: 82 Resp: 1262890
Ion Ratio Lower Upper
82 100
128 48.9 40.2 60.2
54 53.2 42.0 63.0

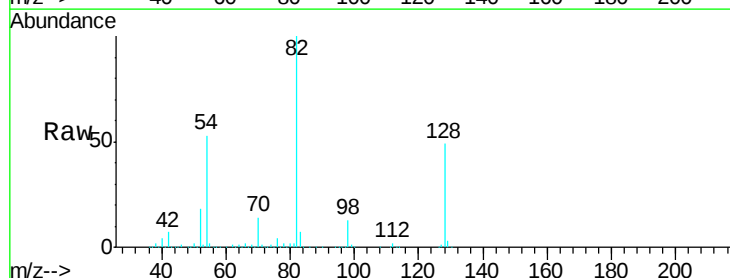


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

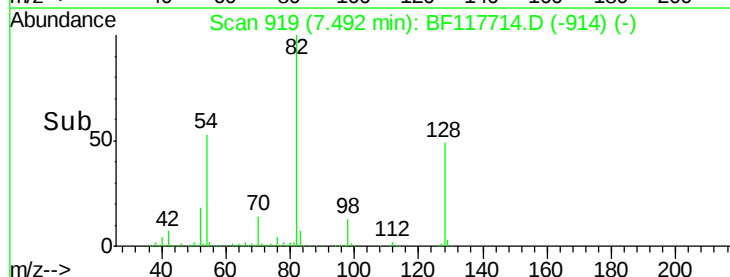
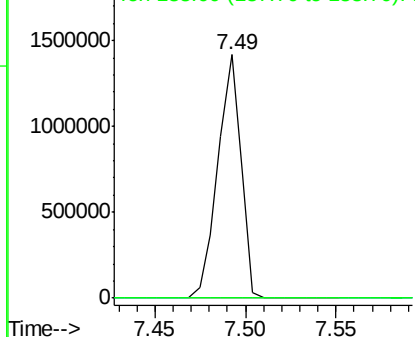


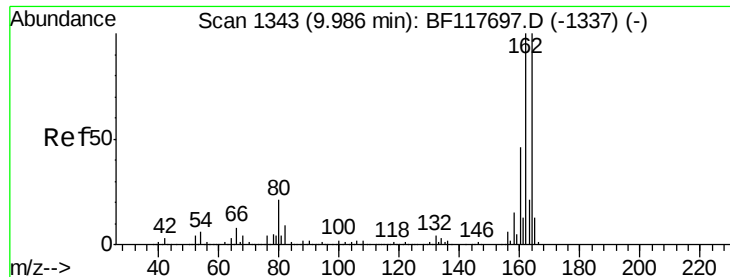
#25
Isophorone
Concen: 18.048 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Tgt Ion: 82 Resp: 1259651
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 16.2 24.2#



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

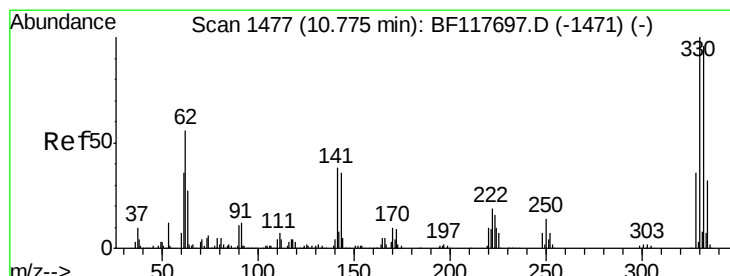
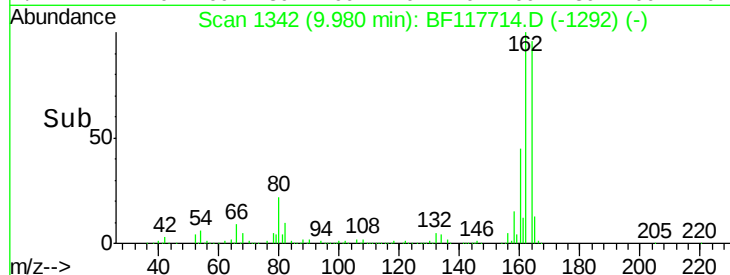
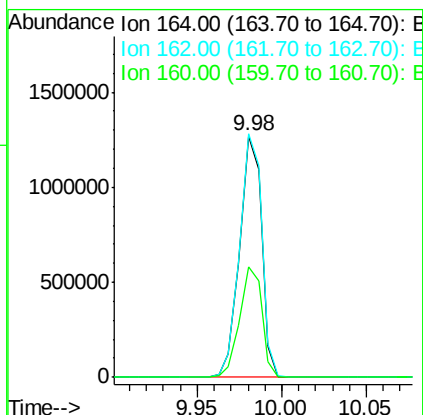
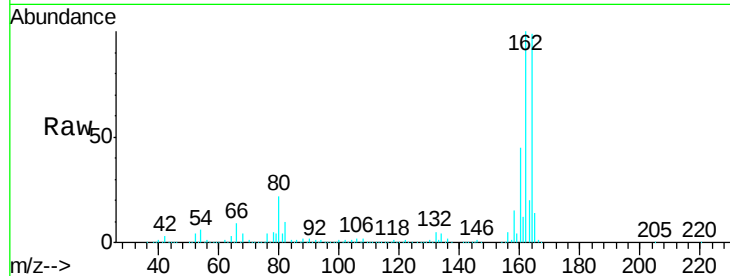




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

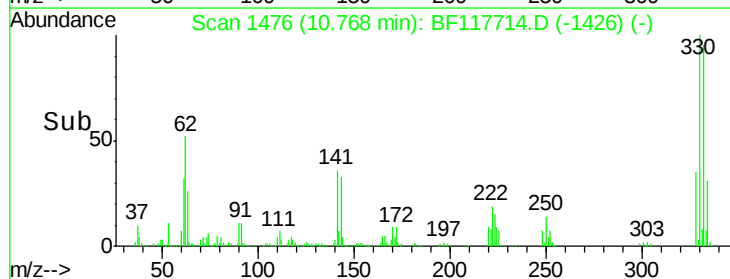
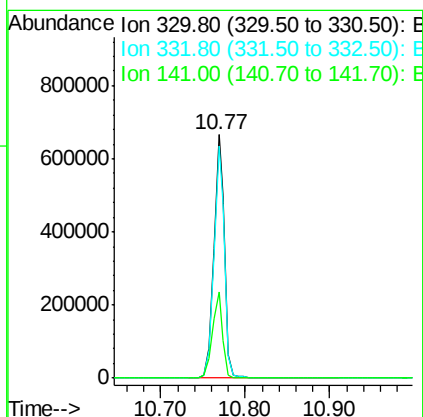
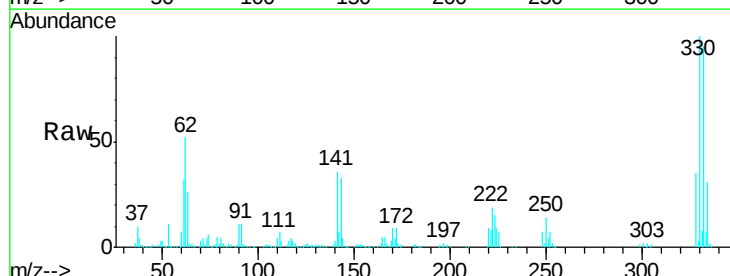
Instrument :
BNA_F
ClientSampleId :
8-D

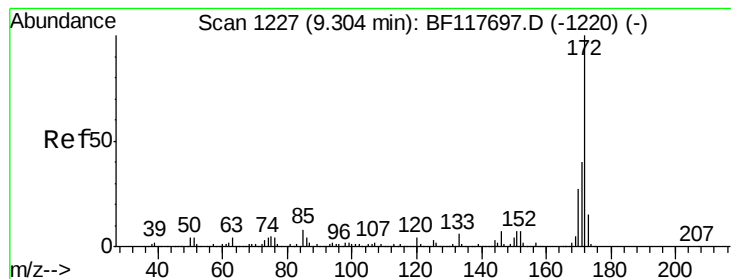
Tgt Ion:164 Resp: 1151250
Ion Ratio Lower Upper
164 100
162 101.0 79.7 119.5
160 45.6 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 53.582 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Tgt Ion:330 Resp: 603428
Ion Ratio Lower Upper
330 100
332 95.1 77.4 116.0
141 33.6 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 38.694 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

Instrument :

BNA_F

ClientSampleId :

8-D

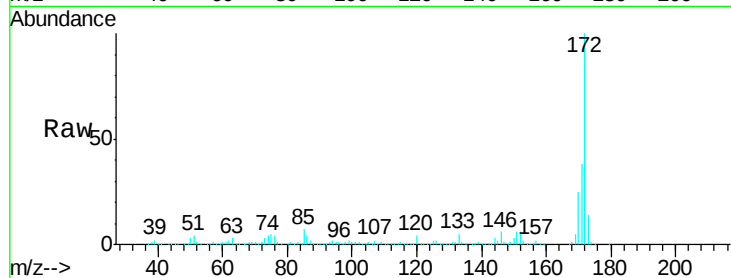
Tgt Ion:172 Resp: 2257765

Ion Ratio Lower Upper

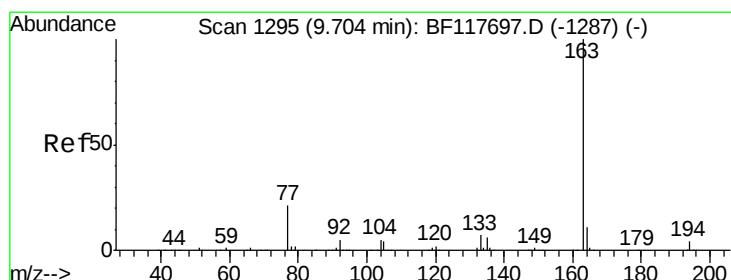
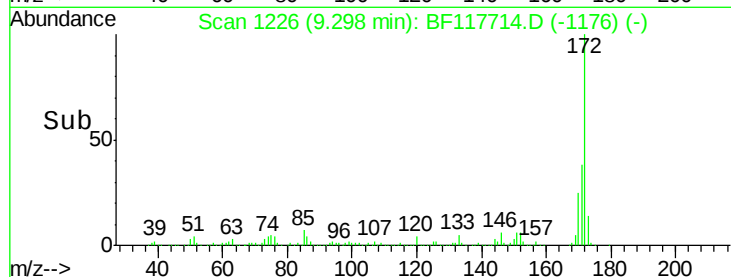
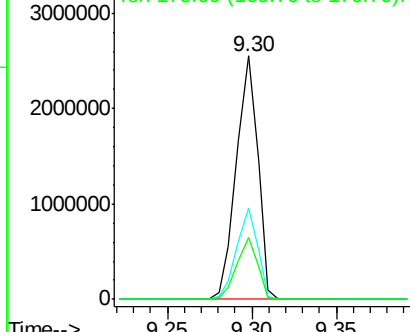
172 100

171 37.7 31.8 47.8

170 25.5 21.6 32.4



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: 4.621 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

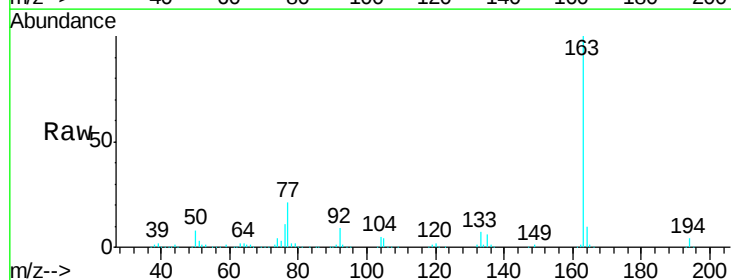
Tgt Ion:163 Resp: 359627

Ion Ratio Lower Upper

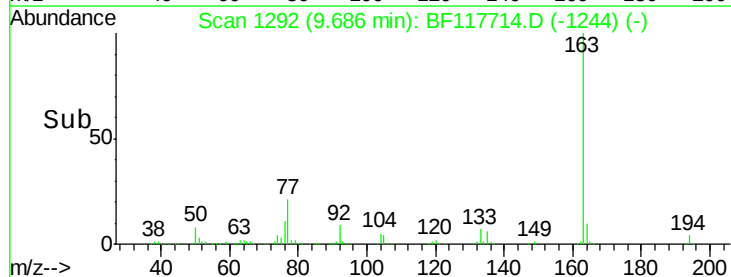
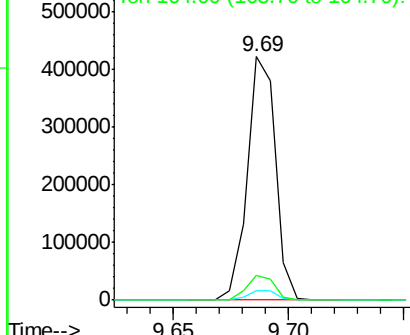
163 100

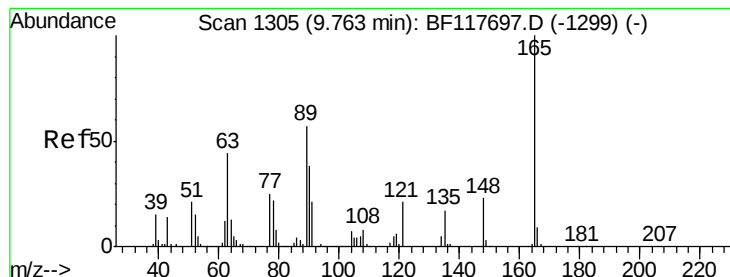
194 3.7 3.4 5.0

164 10.1 8.9 13.3



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





#51

2,6-Dinitrotoluene

Concen: 8.921 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.22 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

Instrument :

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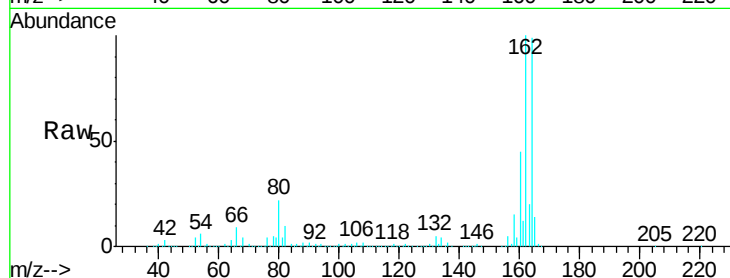
Tgt Ion:165 Resp: 155466

Ion Ratio Lower Upper

165 100

63 1.0 45.6 68.4#

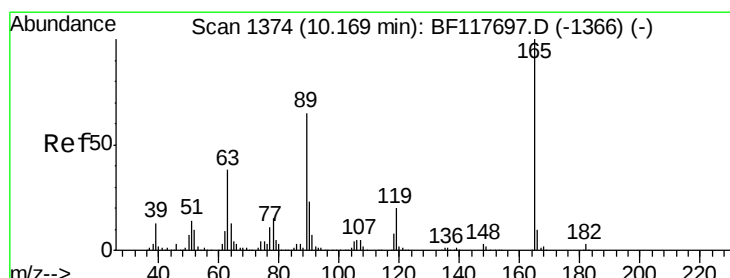
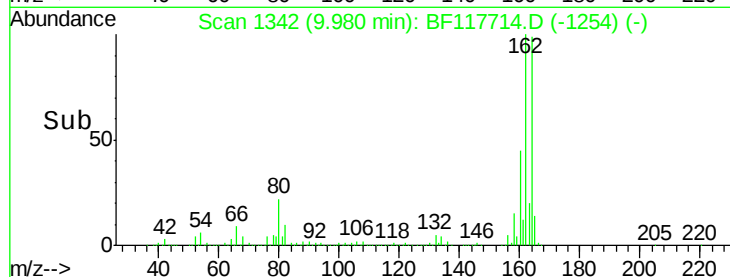
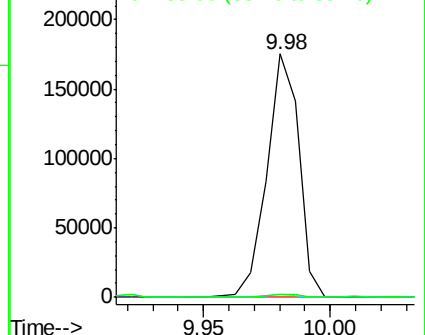
89 1.4 45.8 68.6#



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



#57

2,4-Dinitrotoluene

Concen: 6.954 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.19 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

Tgt Ion:165 Resp: 155466

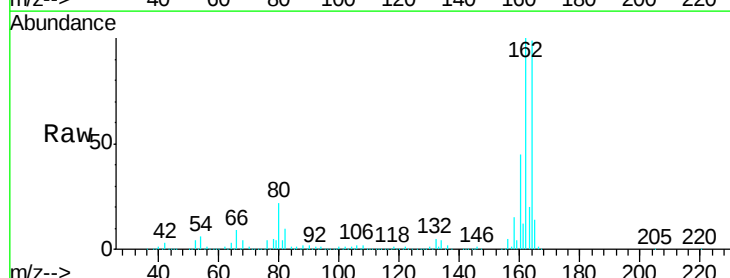
Ion Ratio Lower Upper

165 100

63 1.0 30.4 45.6#

89 1.4 52.2 78.4#

182 0.0 2.3 3.5#

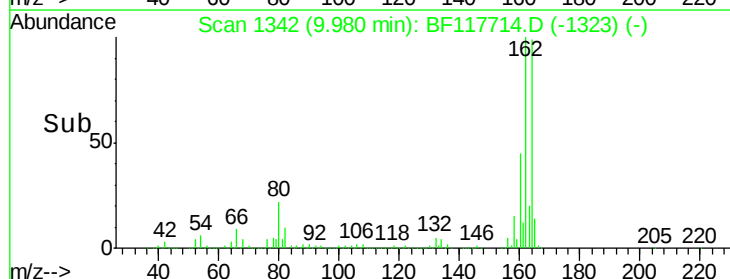
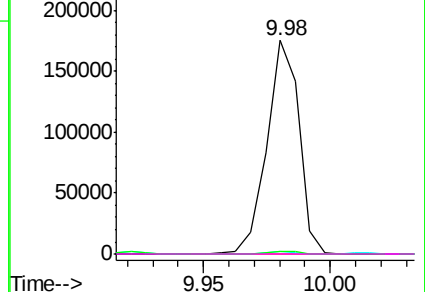


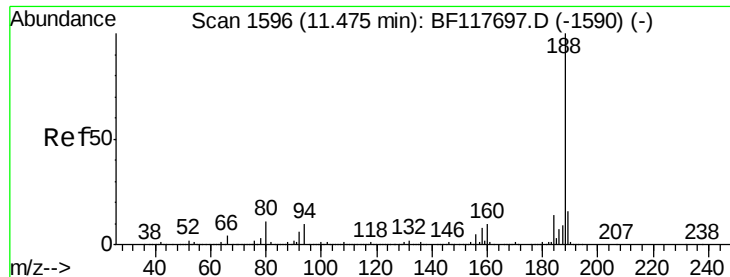
Abundance Ion 165.00 (164.70 to 165.70): E

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

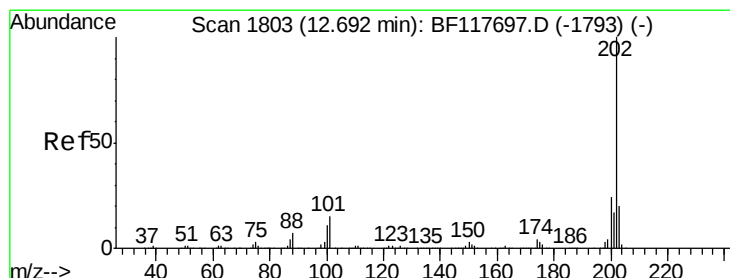
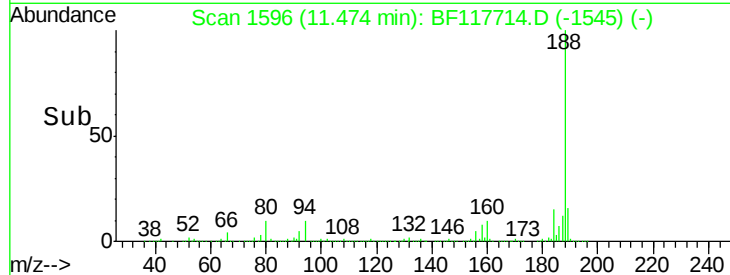
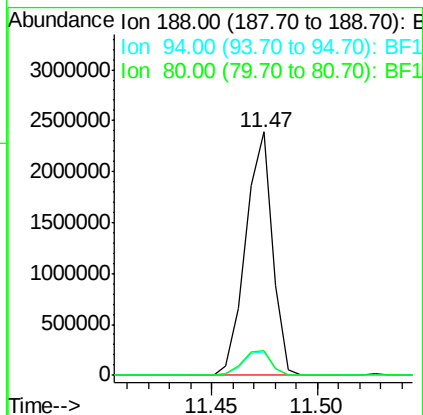
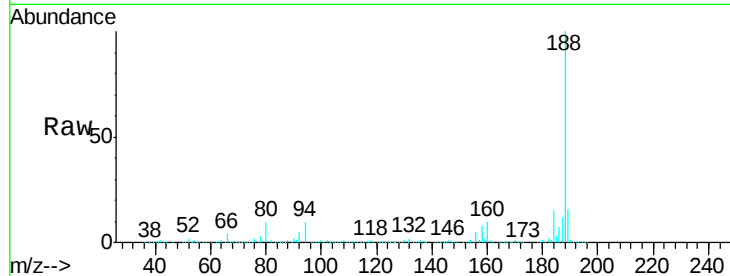




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

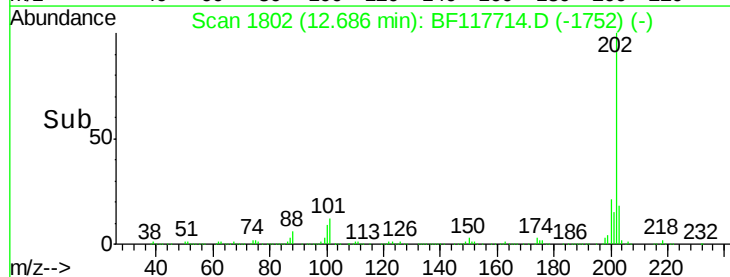
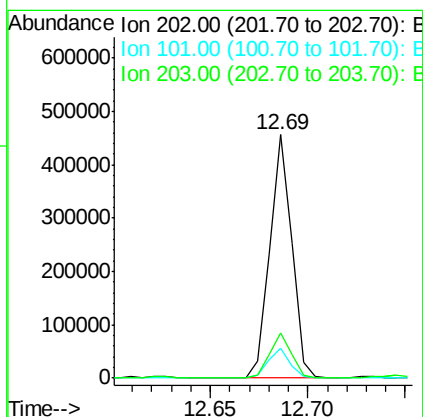
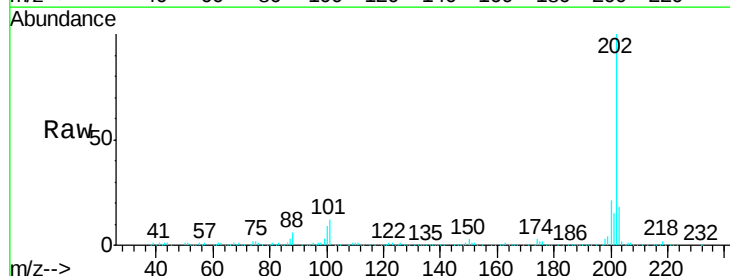
Instrument :
BNA_F
ClientSampleId :
8-D

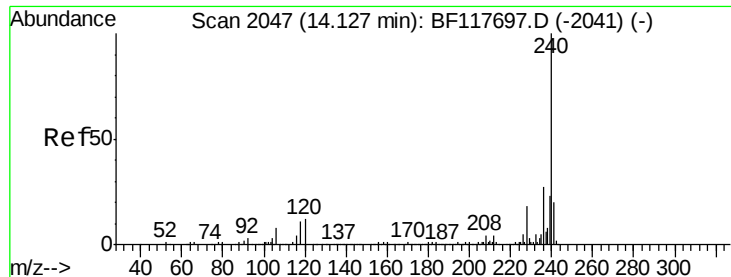
Tgt Ion:188 Resp: 2099886
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.4
80 10.4 8.6 13.0



#75
Fluoranthene
Concen: 3.459 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Tgt Ion:202 Resp: 355535
Ion Ratio Lower Upper
202 100
101 12.4 0.0 34.5
203 18.3 0.0 39.8

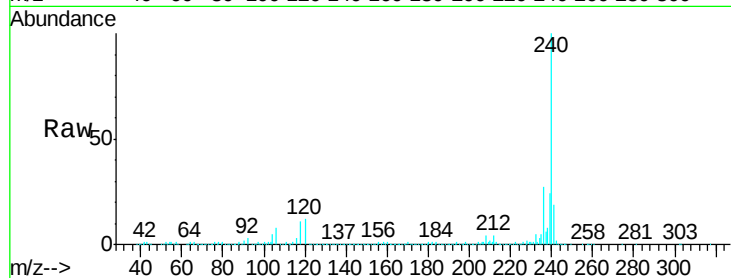




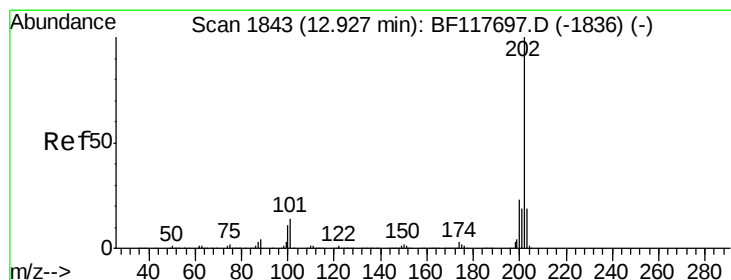
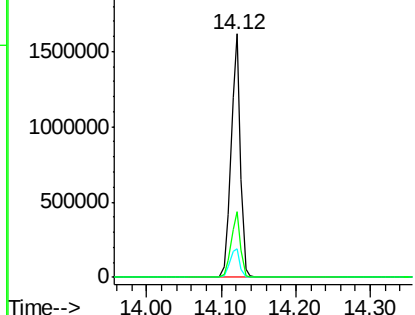
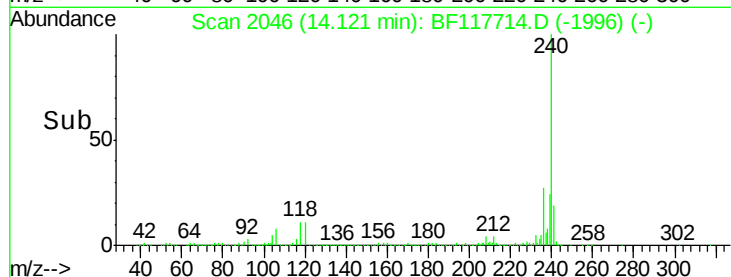
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Instrument :
BNA_F
ClientSampleId :
8-D

Tgt Ion:240 Resp: 1427526
Ion Ratio Lower Upper
240 100
120 11.5 9.7 14.5
236 27.1 21.9 32.9

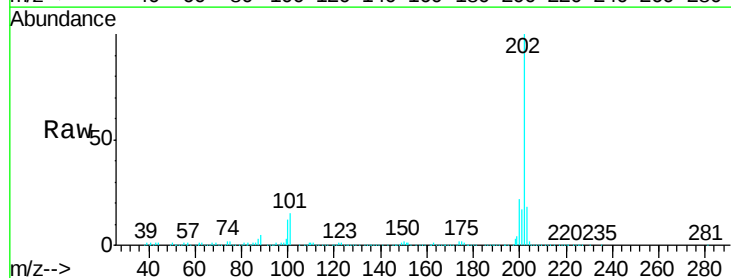


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

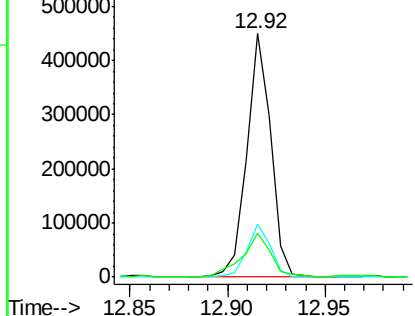
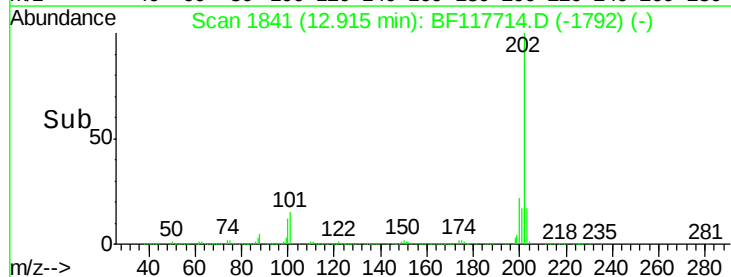


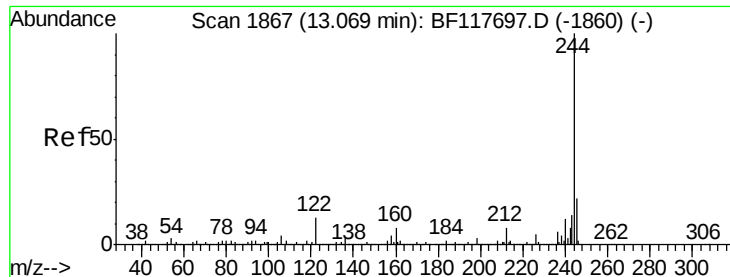
#78
Pyrene
Concen: 3.659 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117714.D
Acq: 7 Nov 2019 19:33

Tgt Ion:202 Resp: 381254
Ion Ratio Lower Upper
202 100
200 21.6 18.8 28.2
203 17.8 15.2 22.8



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: 35.556 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

Instrument :

BNA_F

ClientSampleId :

8-D

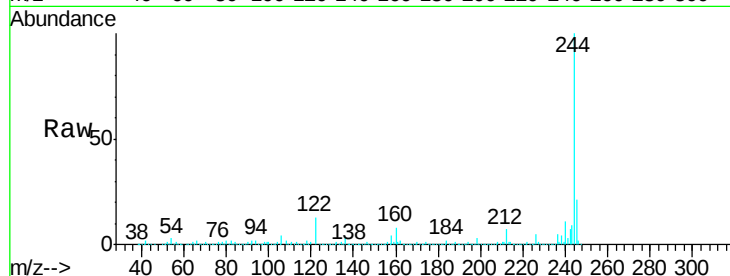
Tgt Ion:244 Resp: 2465596

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

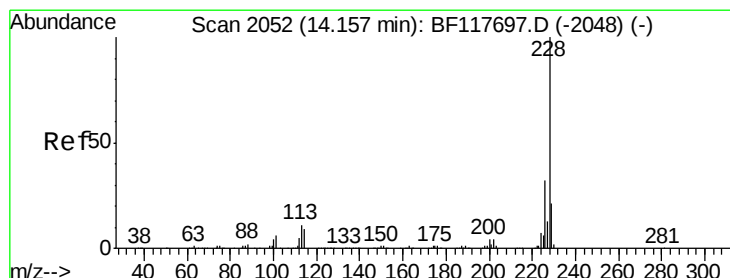
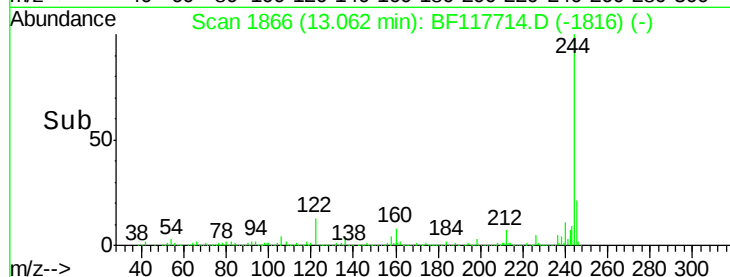
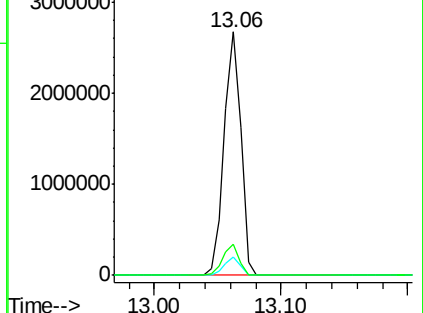
122 12.7 10.0 15.0



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



#83

Chrysene

Concen: 2.312 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

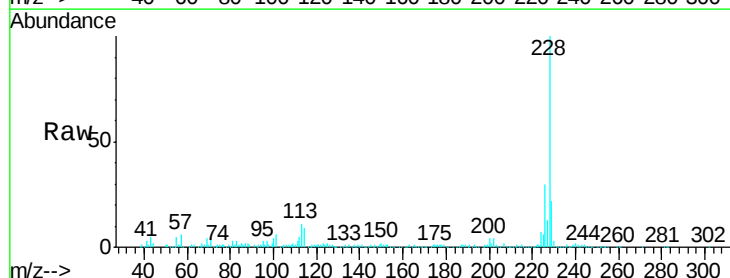
Tgt Ion:228 Resp: 202869

Ion Ratio Lower Upper

228 100

226 29.6 25.4 38.2

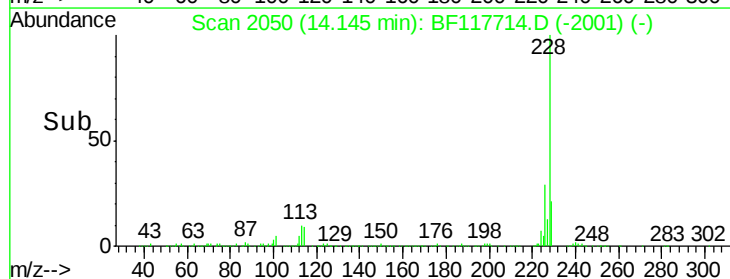
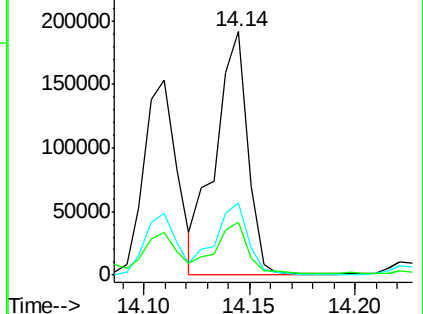
229 21.6 16.6 24.8

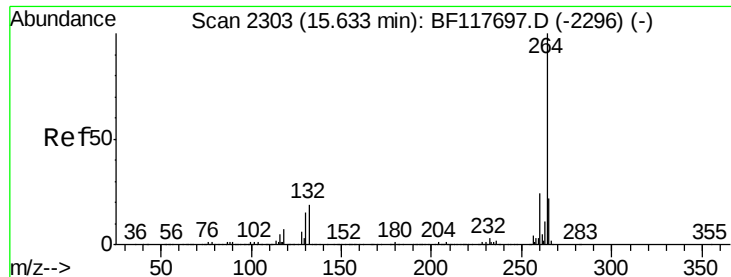


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

Instrument :

BNA_F

ClientSampleId :

8-D

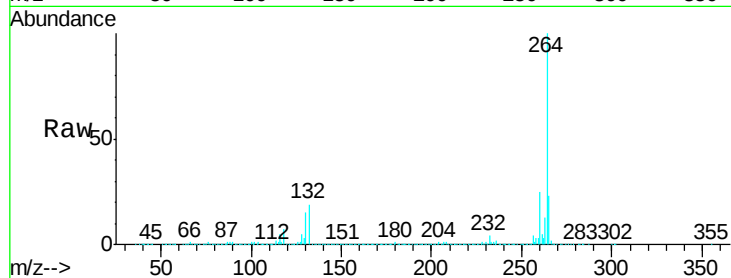
Tgt Ion:264 Resp: 1662991

Ion Ratio Lower Upper

264 100

260 25.1 18.8 28.2

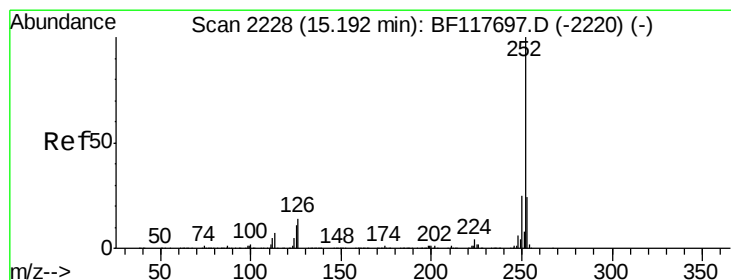
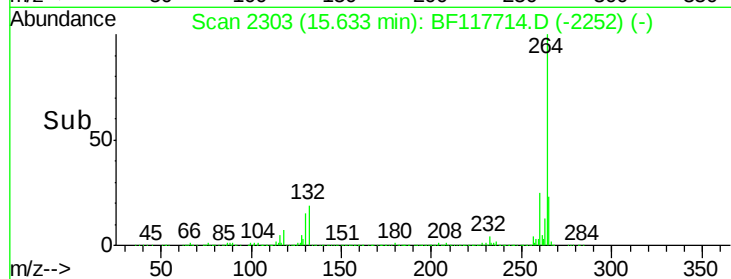
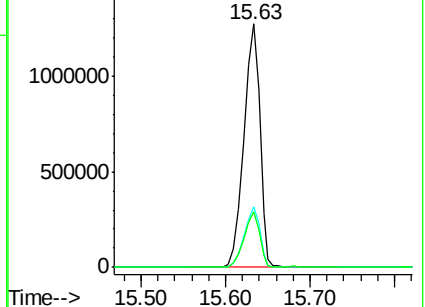
265 22.6 17.7 26.5



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: 3.262 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

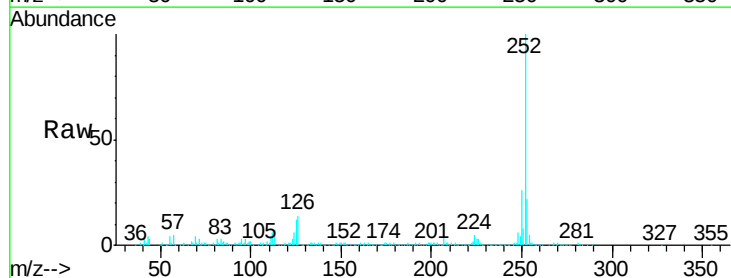
Tgt Ion:252 Resp: 341689

Ion Ratio Lower Upper

252 100

253 21.6 18.9 28.3

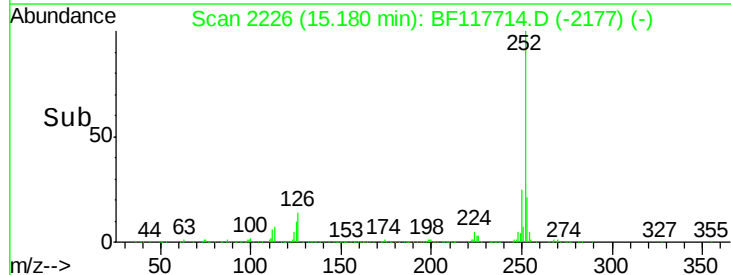
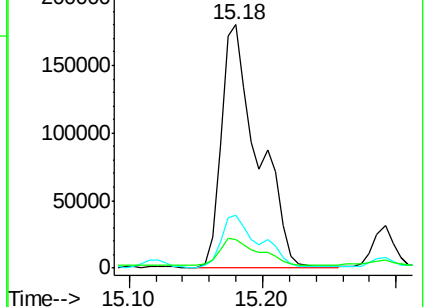
125 11.7 8.5 12.7

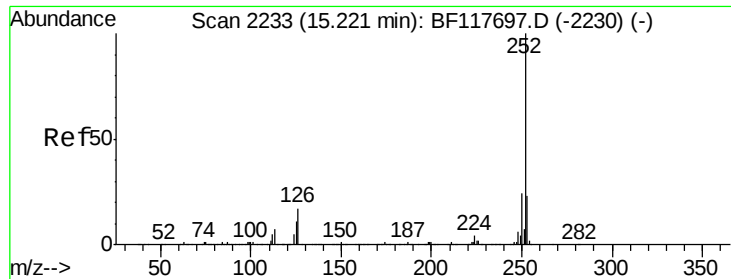


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.658 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.04 min

Lab File: BF117714.D

Acq: 7 Nov 2019 19:33

Instrument :

BNA_F

ClientSampleId :

8-D

Tgt Ion: 252 Resp: 341689

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

125 11.7 9.1 13.7

