

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117222.D
 Acq On : 24 Sep 2019 18:20
 Operator : JU
 Sample : K5008-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:38:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	24781	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	95234	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	51064	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	84162	20.00	ng	0.00
76) Chrysene-d12	13.97	240	59045	20.00	ng	0.00
87) Perylene-d12	15.43	264	63644	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	162556	102.41	ng	0.00
7) Phenol-d6	6.45	99	221955	108.20	ng	0.00
23) Nitrobenzene-d5	7.37	82	137563	75.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	48511	113.67	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	198739	60.85	ng	0.00
79) Terphenyl-d14	12.92	244	192071	60.81	ng	0.00

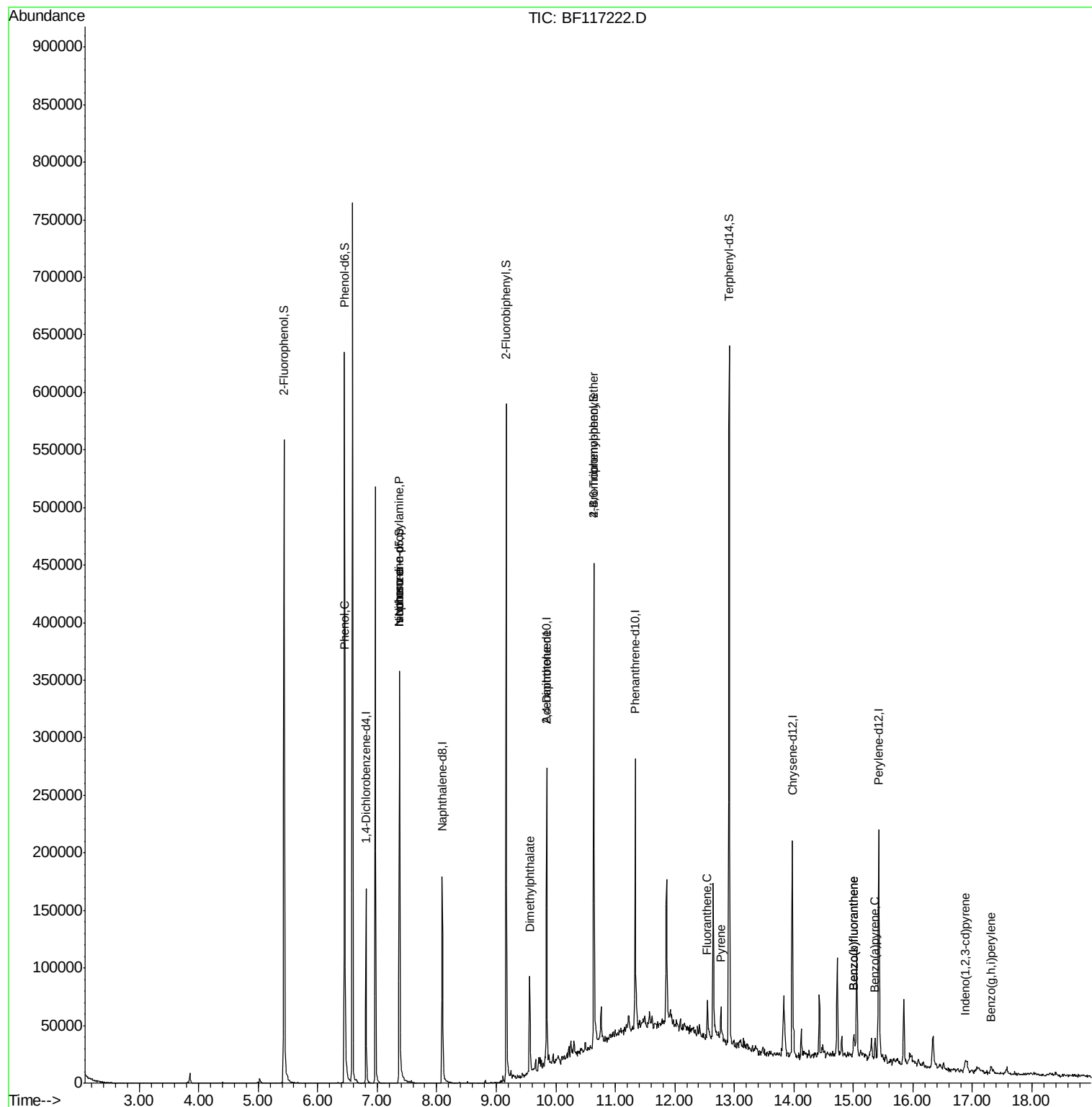
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	249	Below Cal		# 1
10) Phenol	6.46	94	6141	2.716	ng	86
19) n-Nitroso-di-n-propylamine	7.37	70	18368	14.705	ng	# 79
25) Isophorone	7.37	82	137562	42.865	ng	# 66
50) Dimethylphthalate	9.56	163	39524	10.932	ng	99
57) 2,4-Dinitrotoluene	9.85	165	6796	7.110	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	2954	3.437	ng	# 1
75) Fluoranthene	12.54	202	13129	2.673	ng	97
78) Pyrene	12.77	202	14013	2.828	ng	98
86) Indeno(1,2,3-cd)pyrene	16.88	276	6174	2.199	ng	# 90
88) Benzo(b)fluoranthene	15.00	252	14968	3.883	ng	# 86
89) Benzo(k)fluoranthene	15.00	252	14968	4.099	ng	# 86
90) Benzo(a)pyrene	15.37	252	8075	2.387	ng	# 90
92) Benzo(a,h,i)perylene	17.32	276	5935	2.210	ng	96

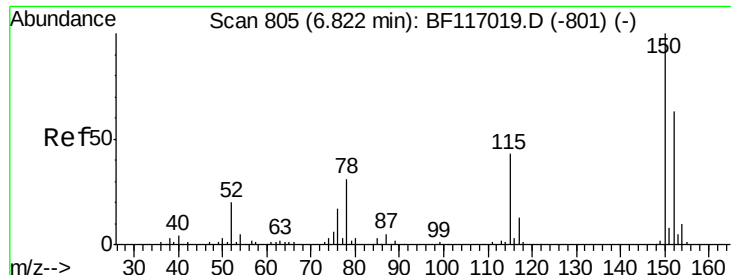
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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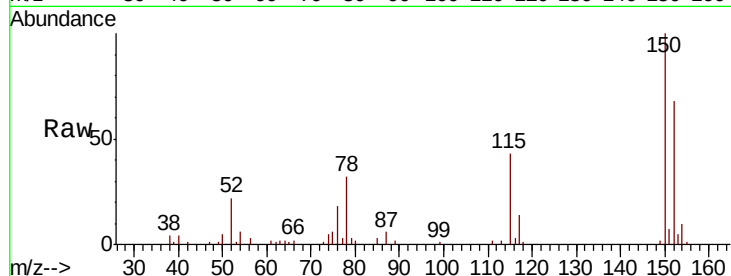


#1

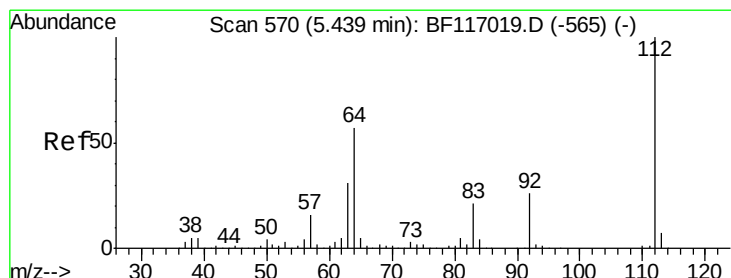
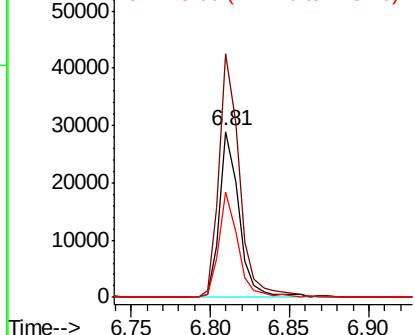
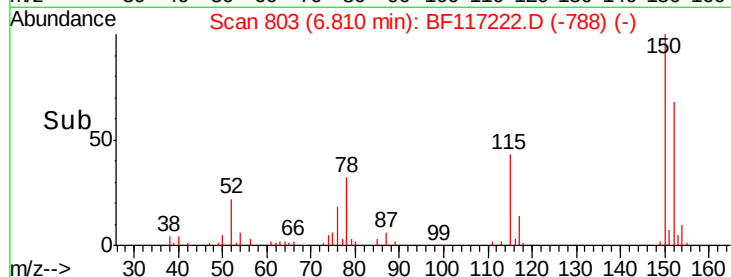
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117222.D
Acq: 24 Sep 2019 18:20

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 24781
Ion Ratio Lower Upper
152 100
150 147.1 127.5 191.3
115 63.6 55.0 82.4



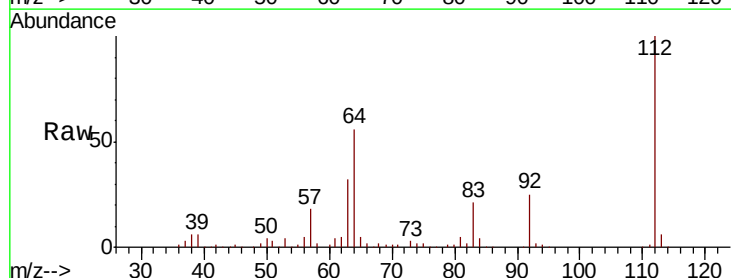
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



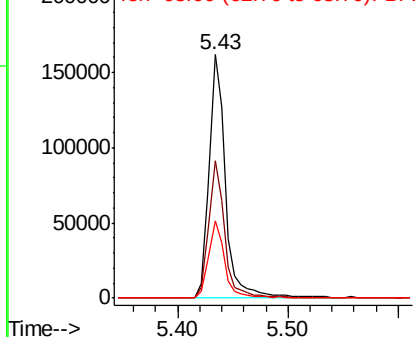
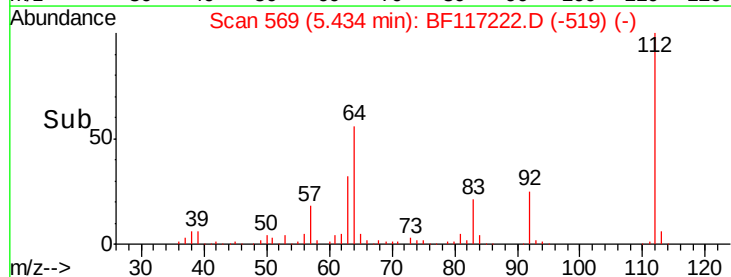
#5

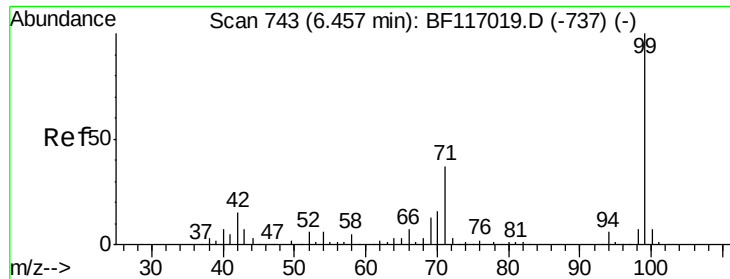
2-Fluorophenol
Concen: 102.413 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117222.D
Acq: 24 Sep 2019 18:20

Tgt Ion:112 Resp: 162556
Ion Ratio Lower Upper
112 100
64 56.2 45.7 68.5
63 31.5 24.9 37.3



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: 108.202 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampleId :

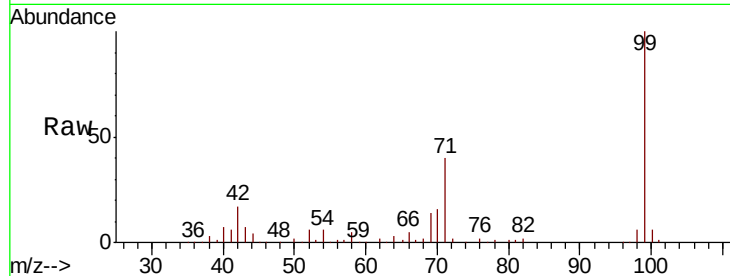
Tot Ion: 99 Resp: 221955

Ion Ratio Lower Upper

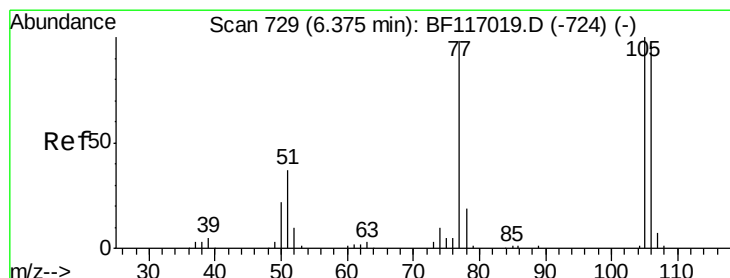
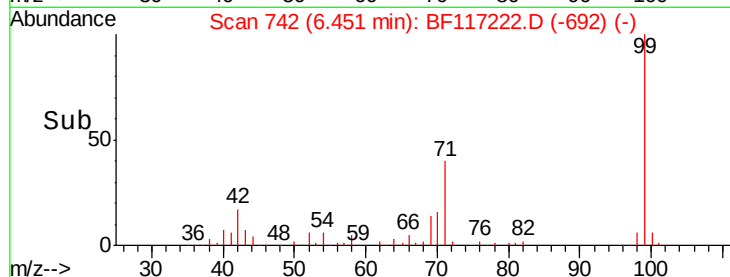
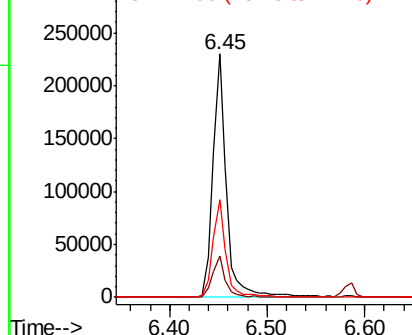
99 100

42 16.8 12.2 18.2

71 40.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

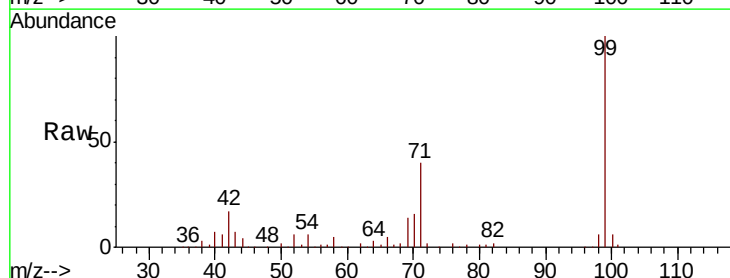
Tgt Ion: 77 Resp: 249

Ion Ratio Lower Upper

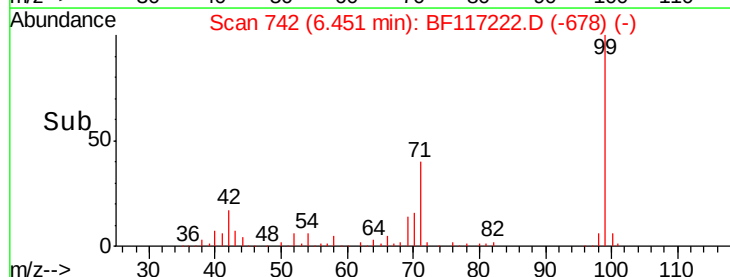
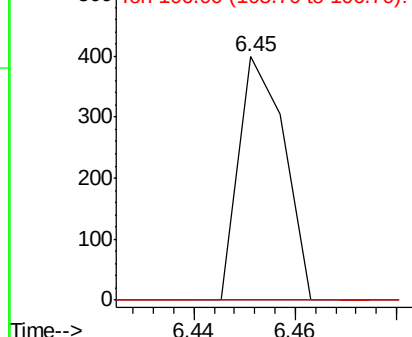
77 100

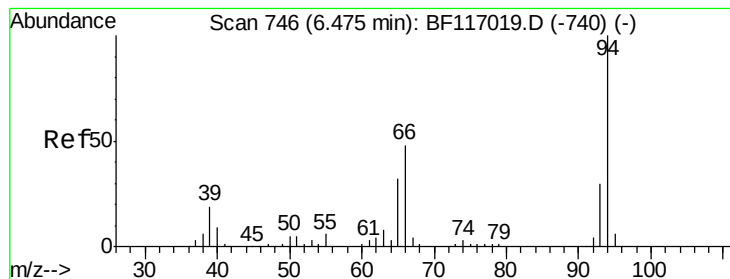
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.716 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampleId :

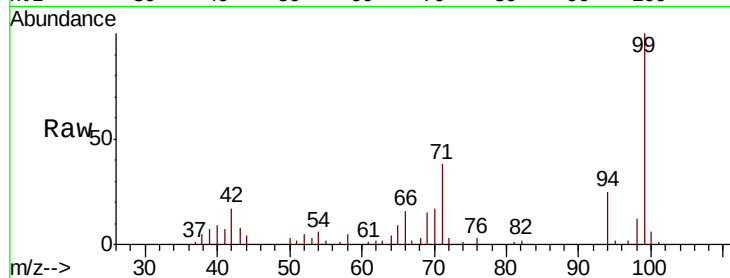
Tot Ion: 94 Resp: 6141

Ion Ratio Lower Upper

94 100

65 35.0 12.5 52.5

66 62.8 28.9 68.9

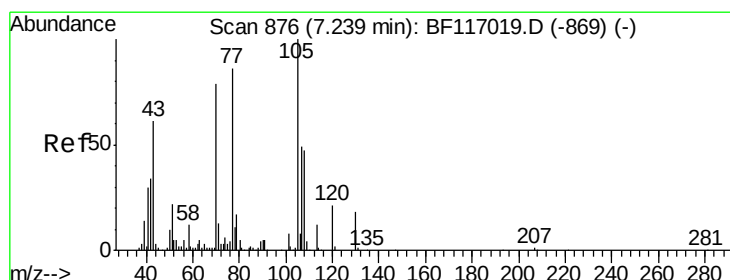
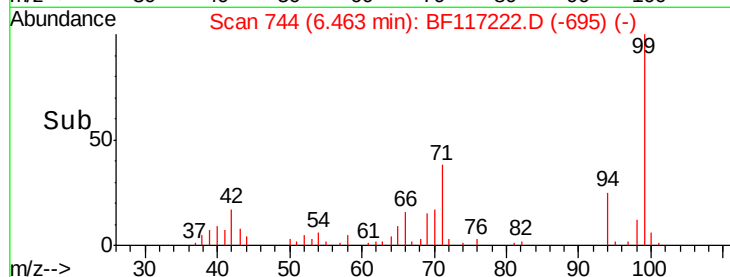
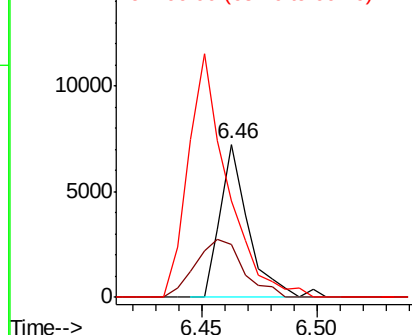


Abundance

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: 14.705 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Tgt Ion: 70 Resp: 18368

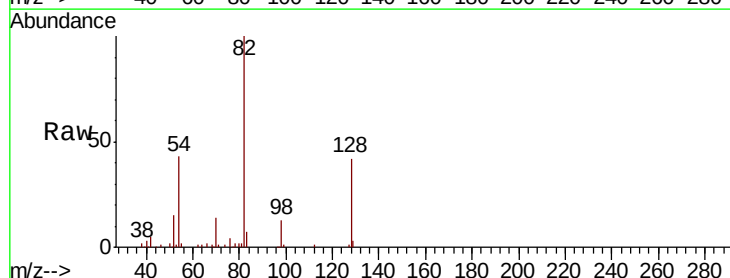
Ion Ratio Lower Upper

70 100

42 38.2 34.0 51.0

101 0.0 7.8 11.6#

130 0.0 17.8 26.8#



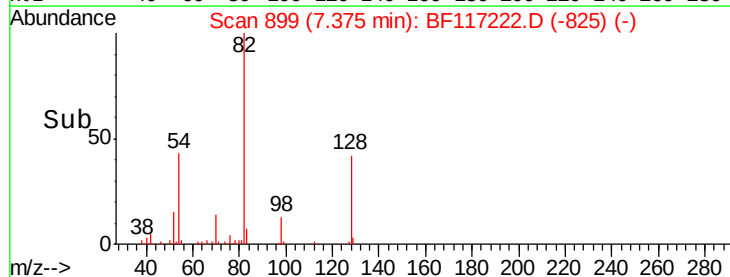
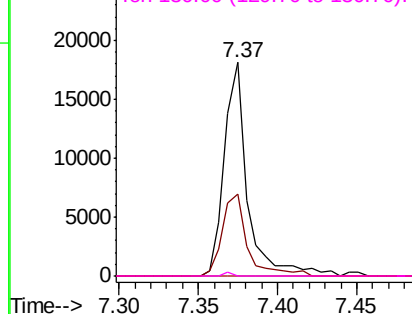
Abundance

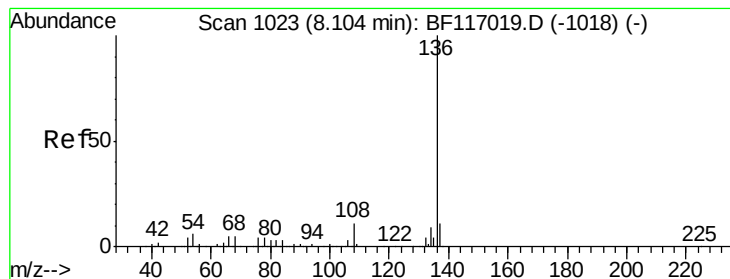
Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117222.D

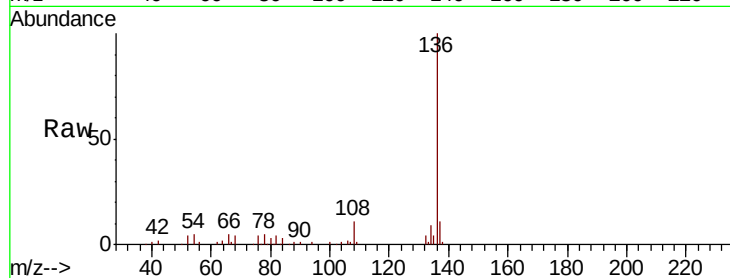
Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	95234
Ion	Ratio	Lower Upper
136	100	
137	11.4	9.0 13.4
54	5.4	4.5 6.7
68	3.7	4.0 6.0#

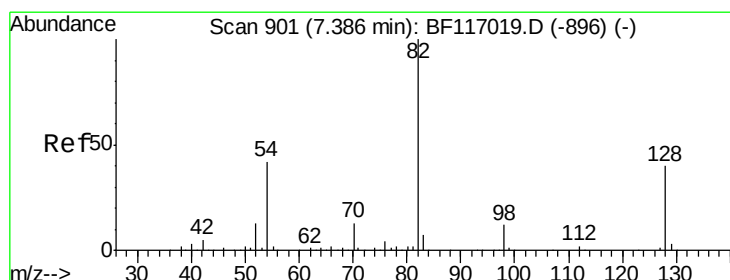
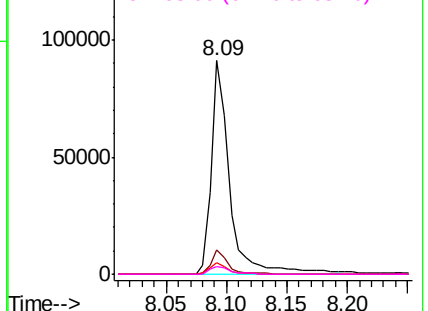
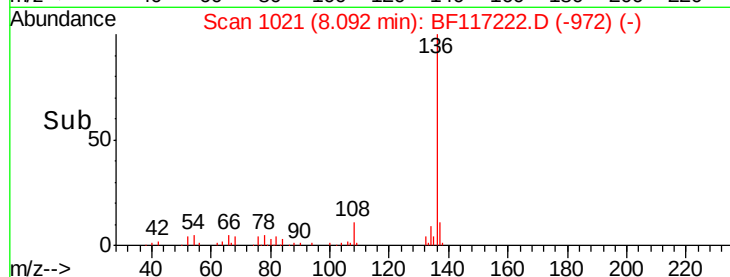


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.896 ng

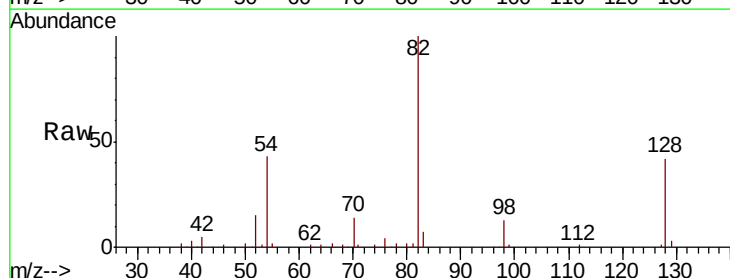
RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

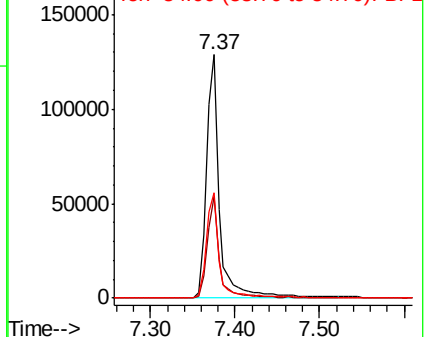
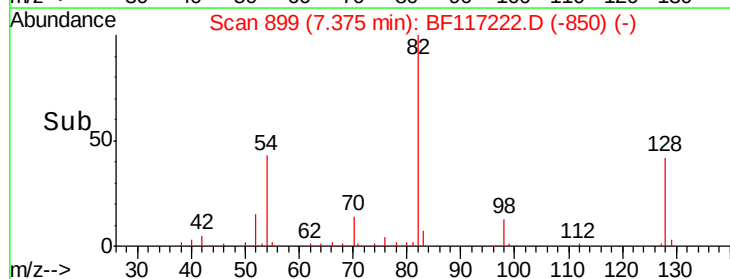
Tgt Ion: 82	Resp:	137563
Ion	Ratio	Lower Upper
82	100	
128	41.8	32.3 48.5
54	43.5	33.3 49.9

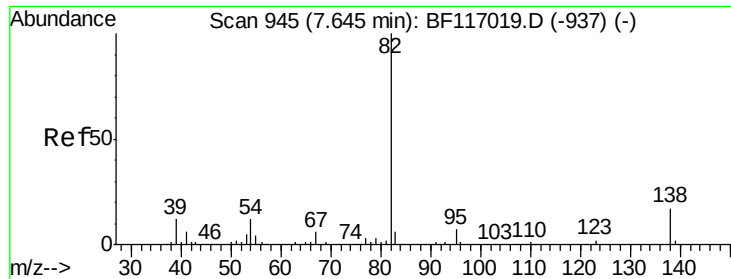


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

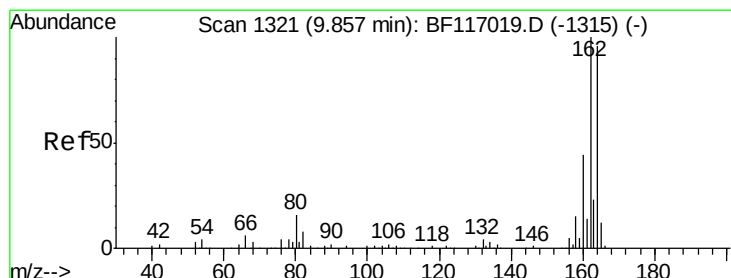
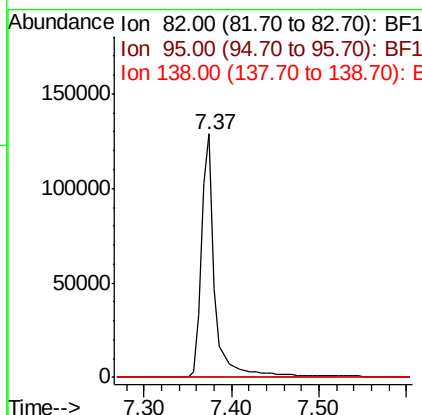
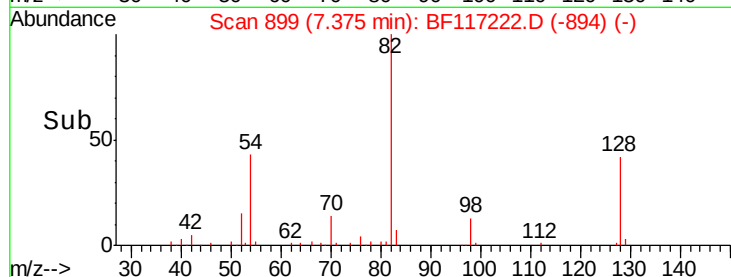
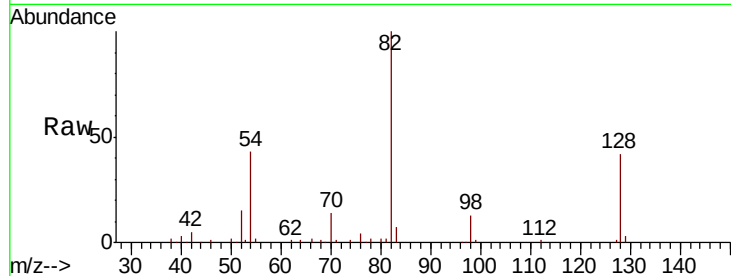




#25
Isophorone
Concen: 42.865 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.27 min
Lab File: BF117222.D
Acq: 24 Sep 2019 18:20

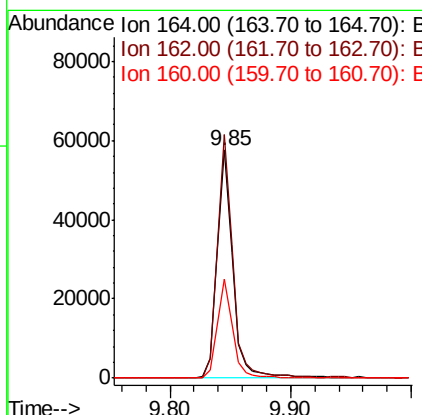
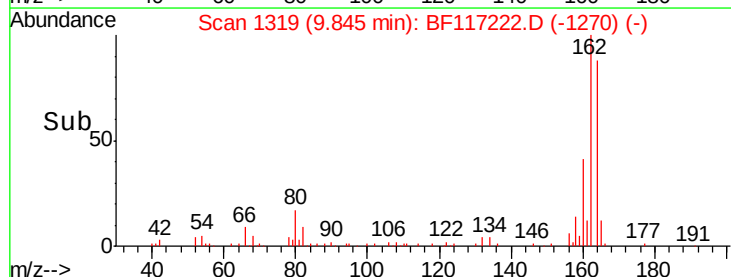
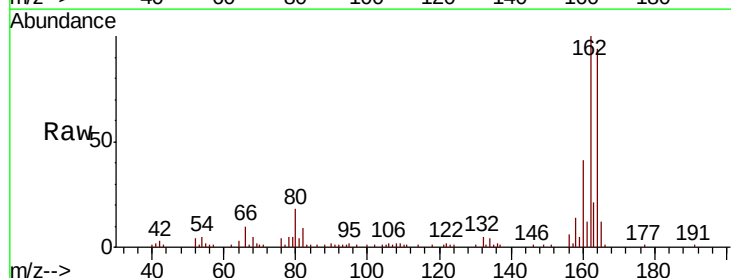
Instrument :
BNA_F
ClientSampleId :

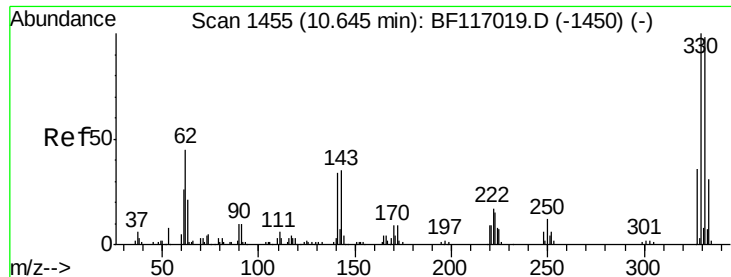
Tot Ion: 82 Resp: 137562
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117222.D
Acq: 24 Sep 2019 18:20

Tgt Ion:164 Resp: 51064
Ion Ratio Lower Upper
164 100
162 106.8 83.4 125.2
160 43.4 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 113.668 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampleId :

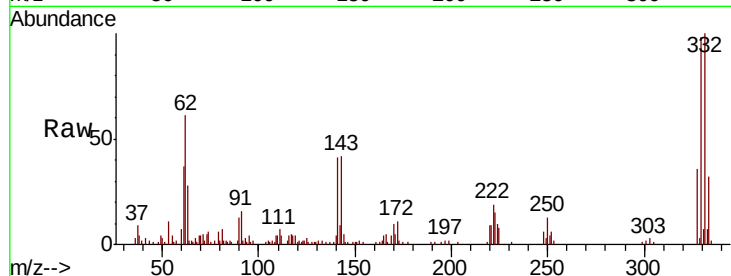
Tot Ion:330 Resp: 48511

Ion Ratio Lower Upper

330 100

332 97.7 78.0 117.0

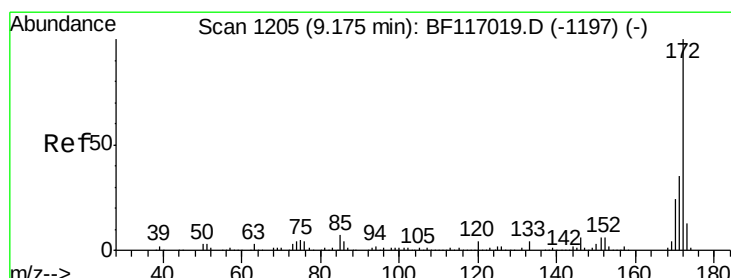
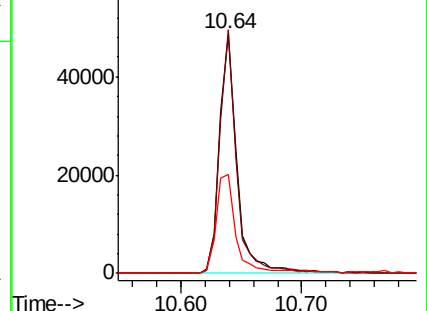
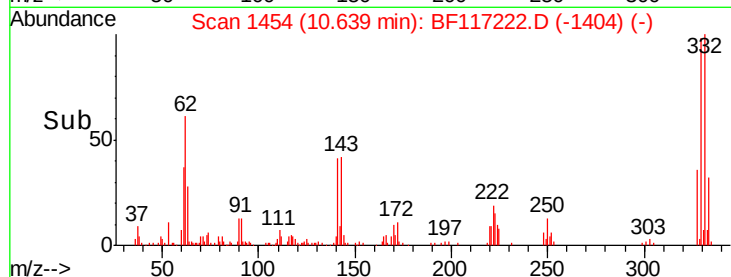
141 46.8 35.8 53.6



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: 60.854 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

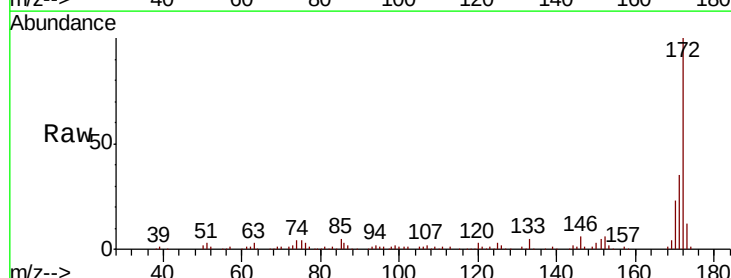
Tgt Ion:172 Resp: 198739

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

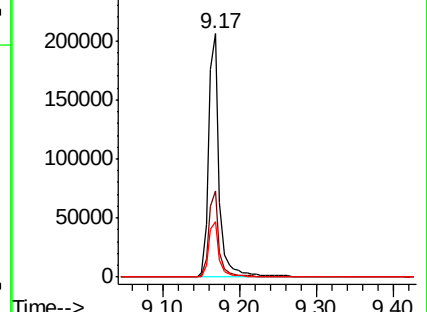
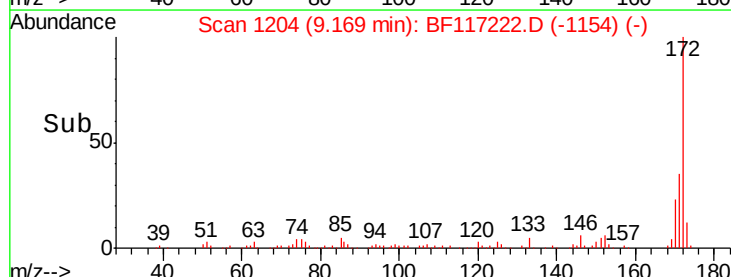
170 22.6 18.9 28.3

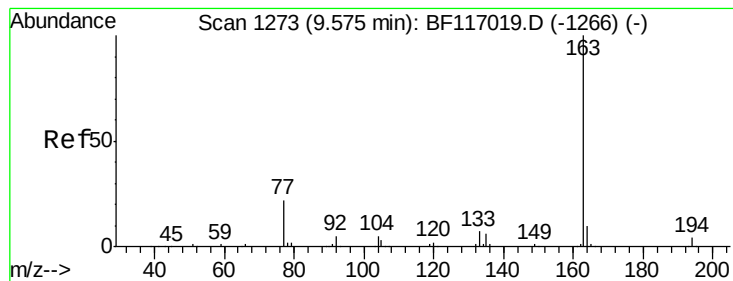


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.932 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampled :

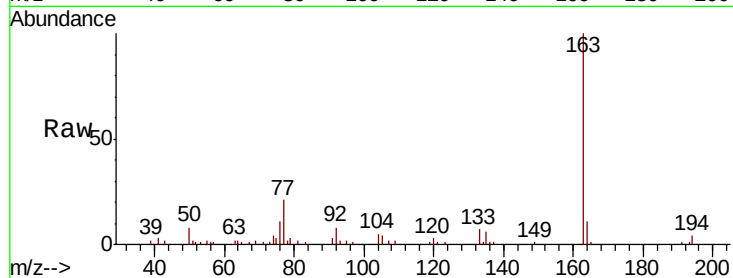
Tot Ion:163 Resp: 39524

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

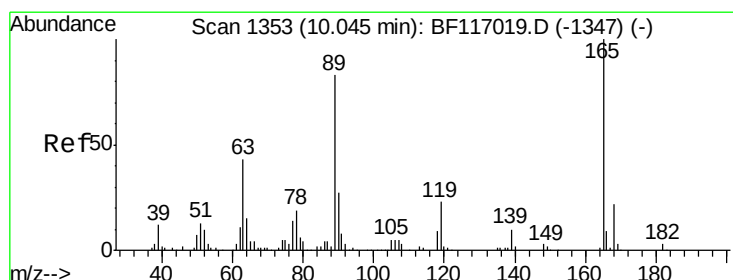
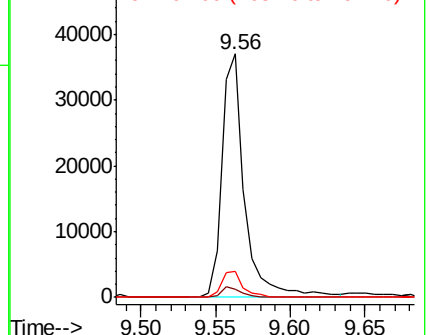
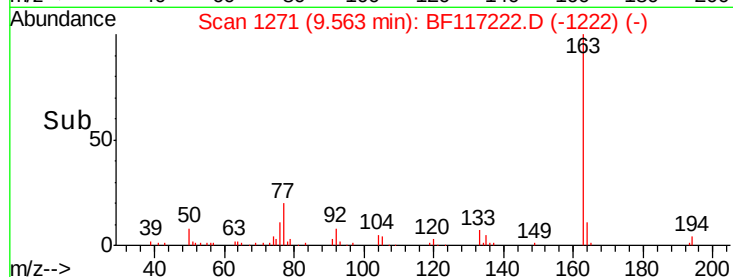
164 10.6 8.2 12.4



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: 7.110 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Tgt Ion:165 Resp: 6796

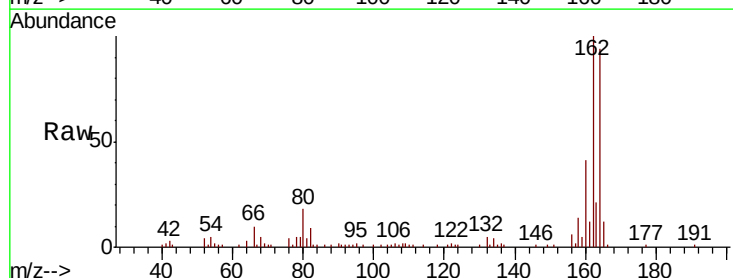
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 0.0 66.1 99.1#

182 0.0 2.0 3.0#

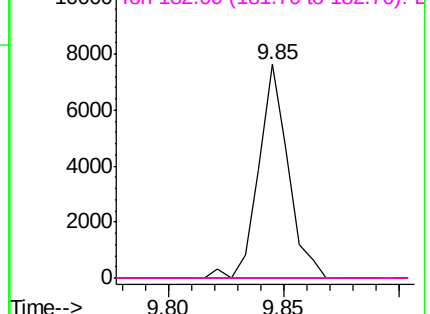
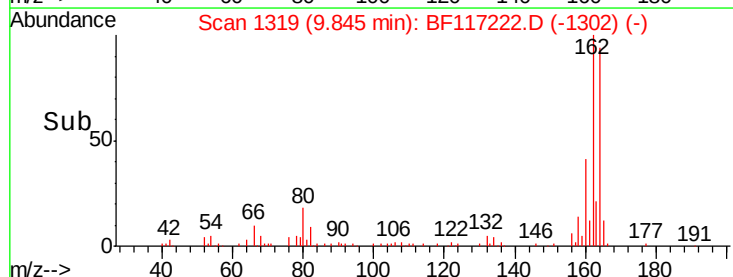


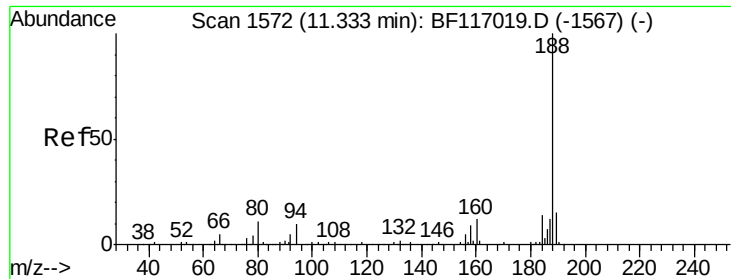
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampled :

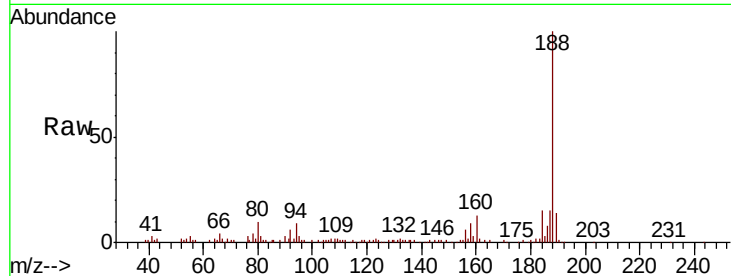
Tot Ion:188 Resp: 84162

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

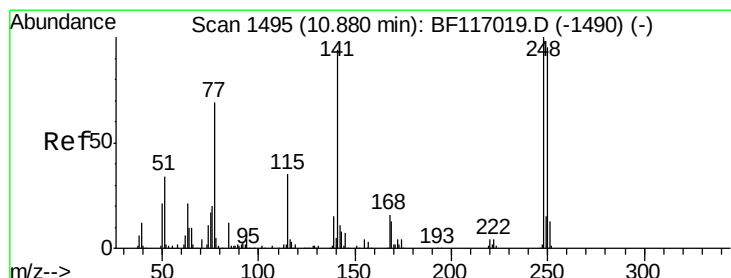
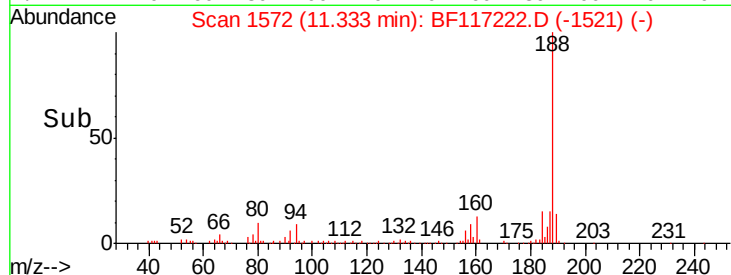
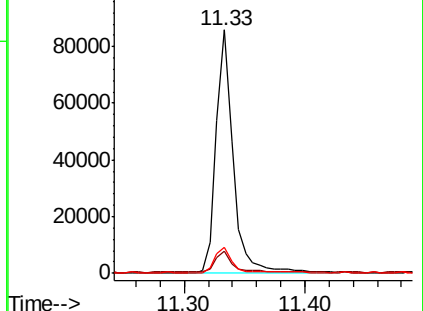
80 10.5 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.437 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

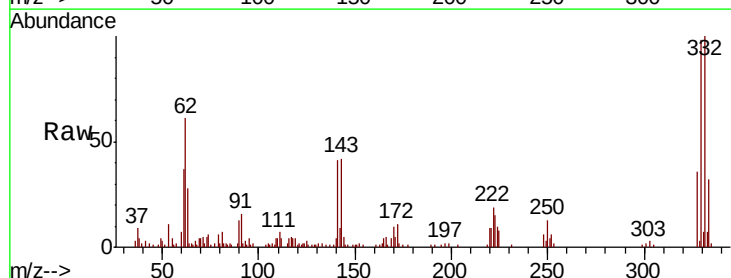
Tgt Ion:248 Resp: 2954

Ion Ratio Lower Upper

248 100

250 212.8 76.2 114.4#

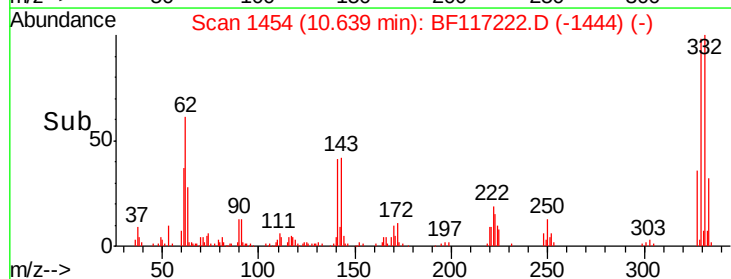
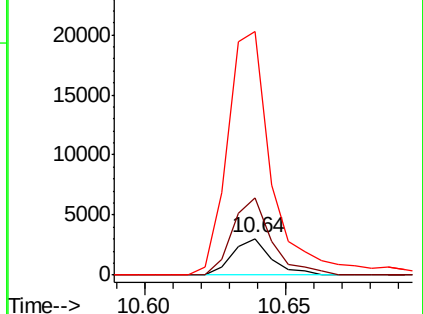
141 670.4 75.0 112.4#

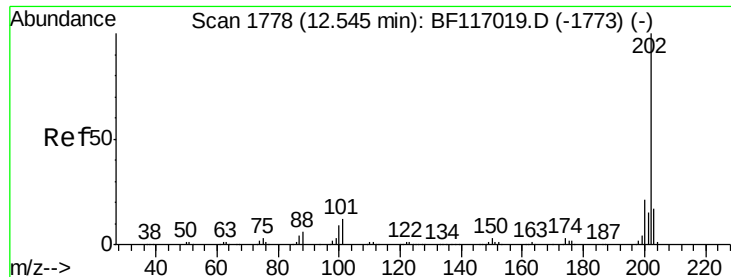


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.673 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampleId :

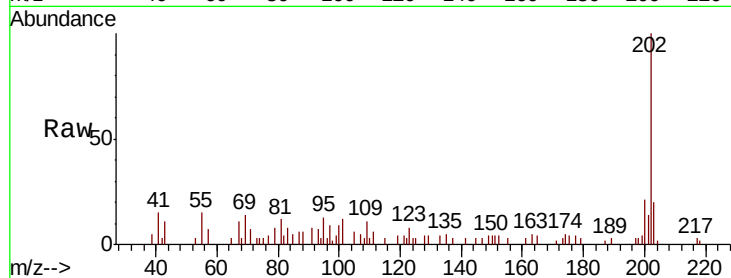
Tot Ion:202 Resp: 13129

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.3

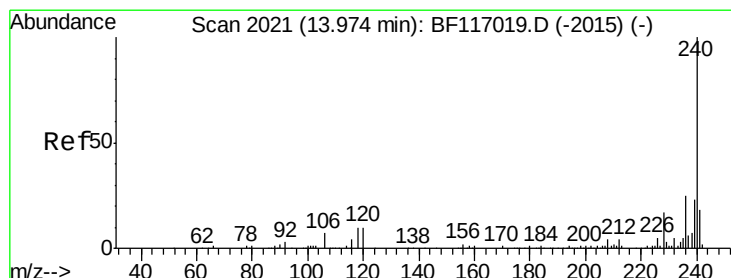
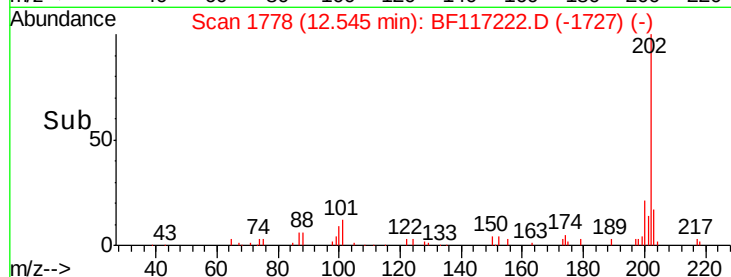
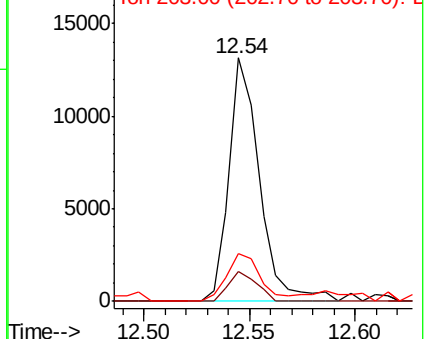
203 19.6 0.0 37.1



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: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

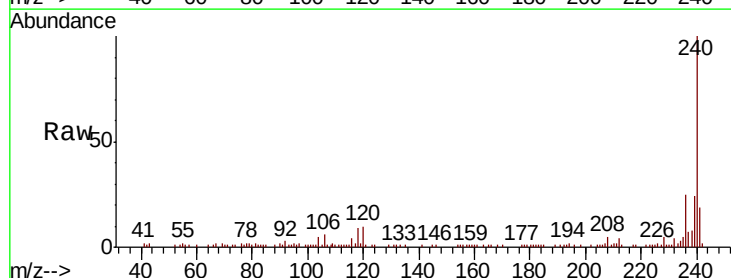
Tgt Ion:240 Resp: 59045

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

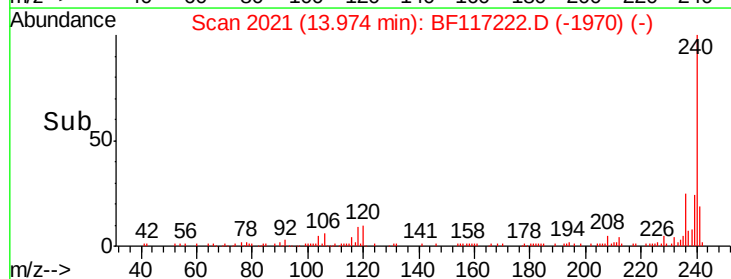
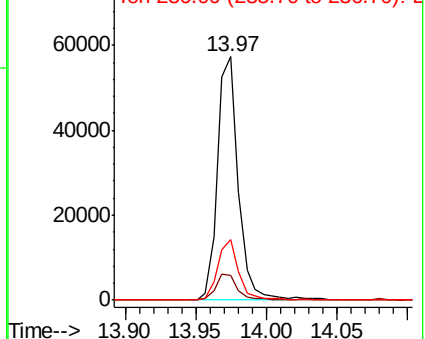
236 25.1 20.3 30.5

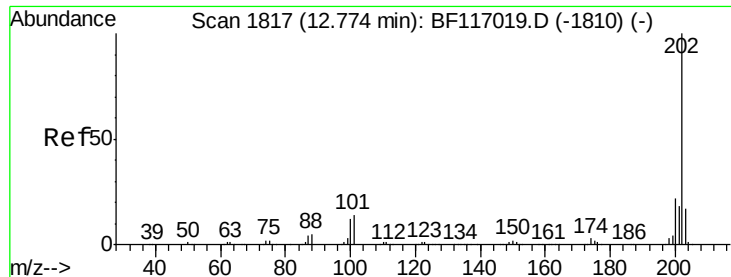


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

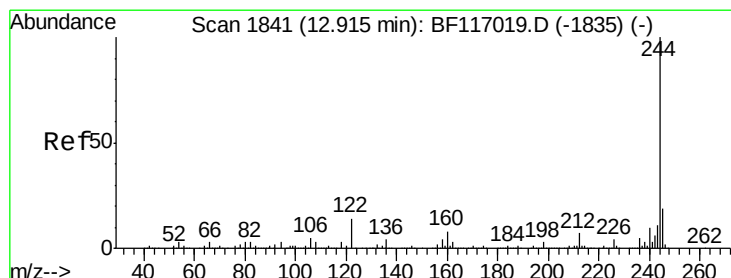
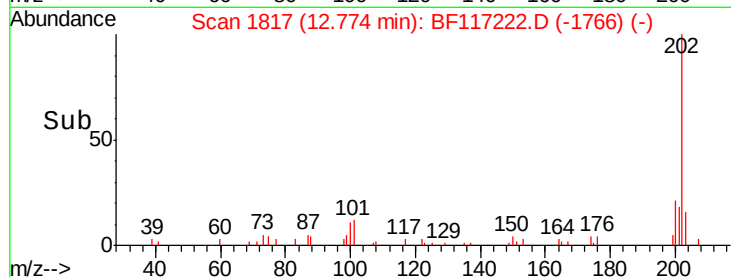
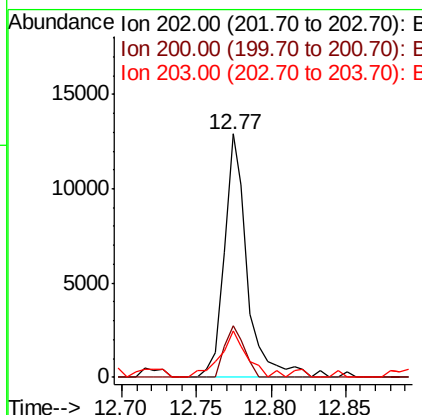
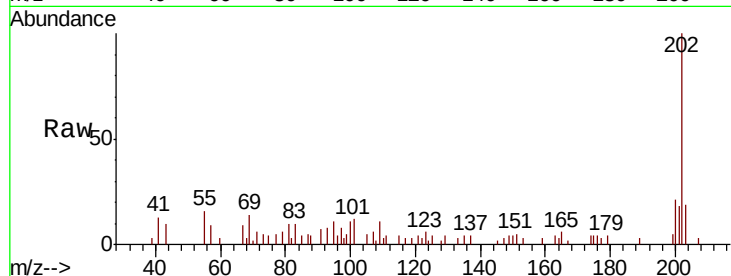




#78
 Pvrene
 Concen: 2.828 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BF117222.D
 Acq: 24 Sep 2019 18:20

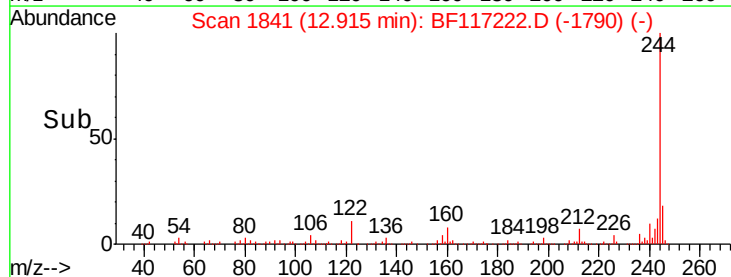
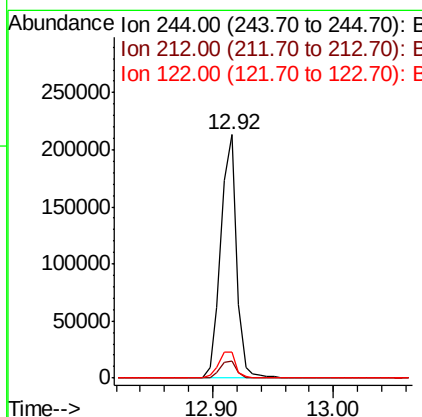
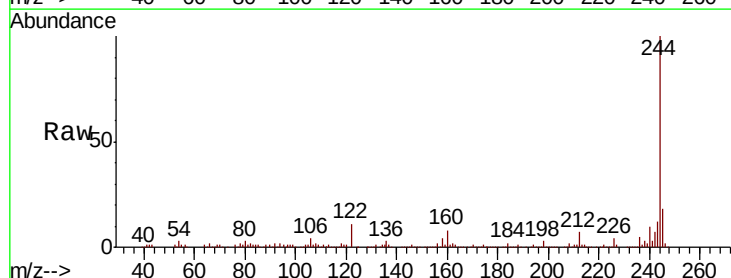
Instrument :
 BNA_F
 ClientSampleId :

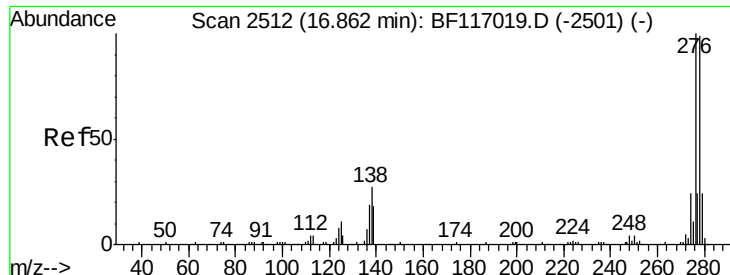
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	19.1	14.0	21.0



#79
 Terphenyl-d14
 Concen: 60.805 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF117222.D
 Acq: 24 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.9	11.3	16.9

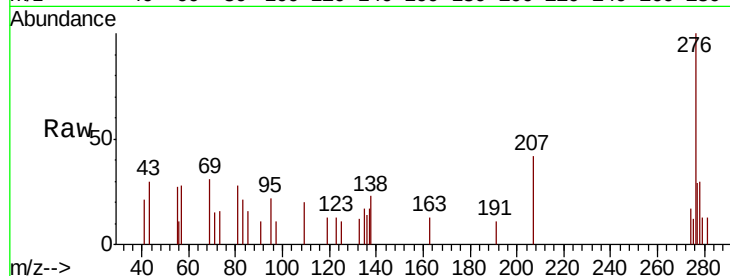




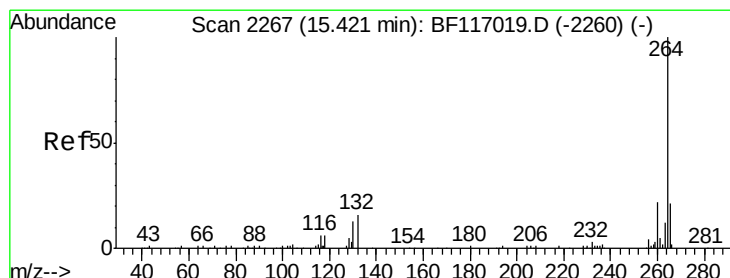
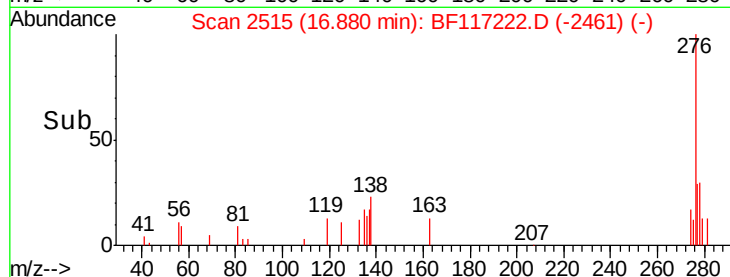
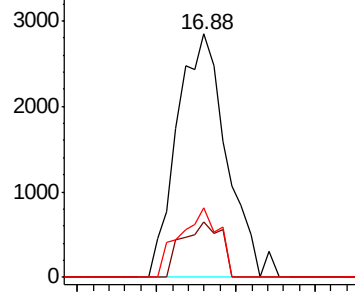
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.199 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. 0.02 min
 Lab File: BF117222.D
 Acq: 24 Sep 2019 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.8	20.7	31.1#
277	22.6	19.8	29.8

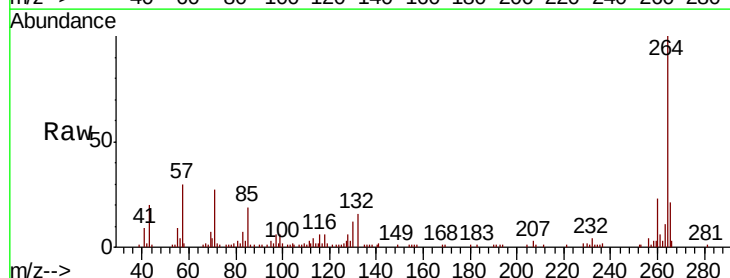


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

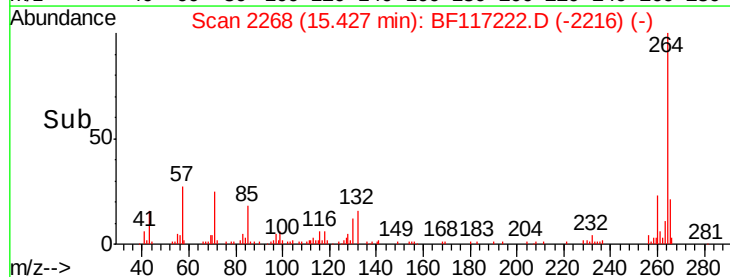
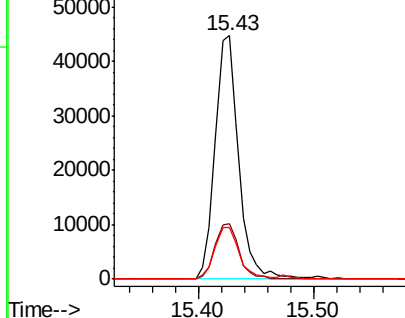


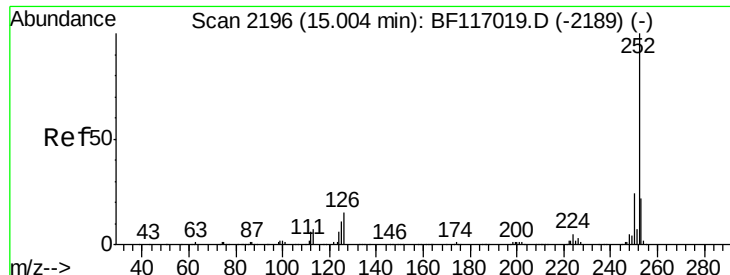
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF117222.D
 Acq: 24 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.6	26.4
265	21.4	16.6	24.8



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

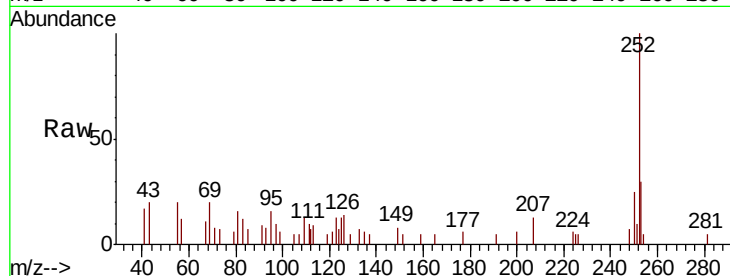




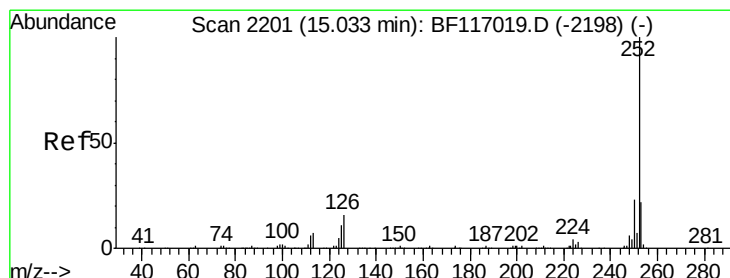
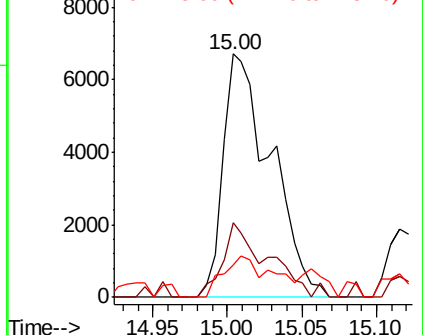
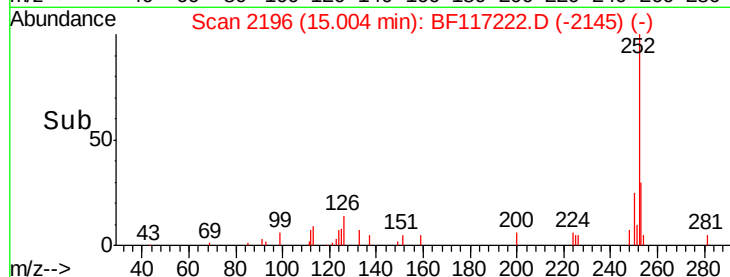
#88
Benzo(b)fluoranthene
Concen: 3.883 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF117222.D
Acq: 24 Sep 2019 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 14968
Ion Ratio Lower Upper
252 100
253 30.4 17.6 26.4#
125 13.3 8.6 12.8#

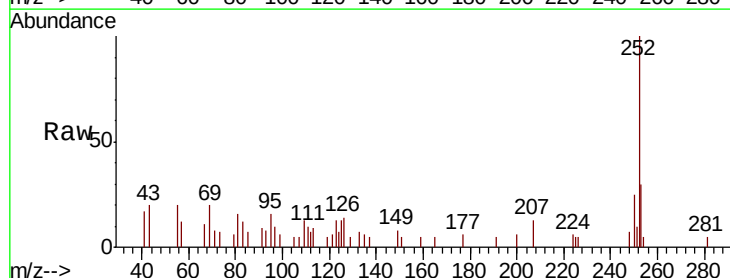


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

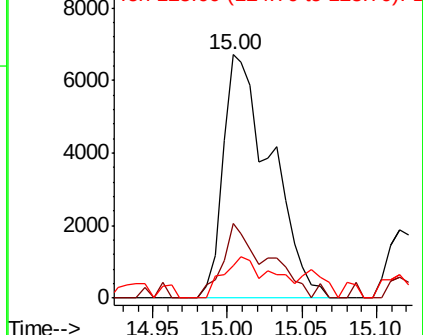
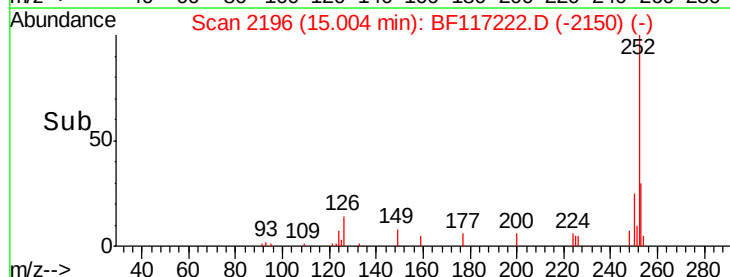


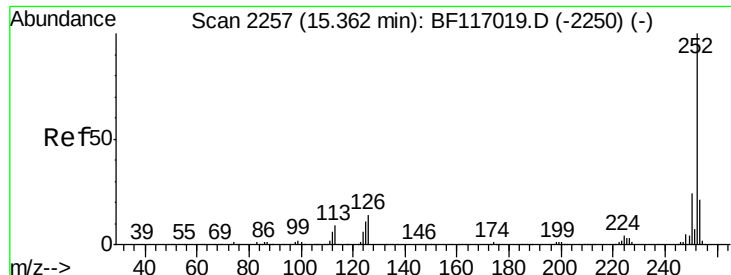
#89
Benzo(k)fluoranthene
Concen: 4.099 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117222.D
Acq: 24 Sep 2019 18:20

Tgt Ion:252 Resp: 14968
Ion Ratio Lower Upper
252 100
253 30.4 17.4 26.2#
125 13.3 8.8 13.2#



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: 2.387 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

Instrument :

BNA_F

ClientSampleId :

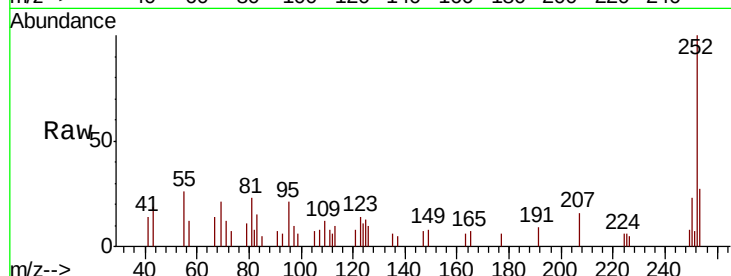
Tot Ion:252 Resp: 8075

Ion Ratio Lower Upper

252 100

253 26.5 16.6 25.0#

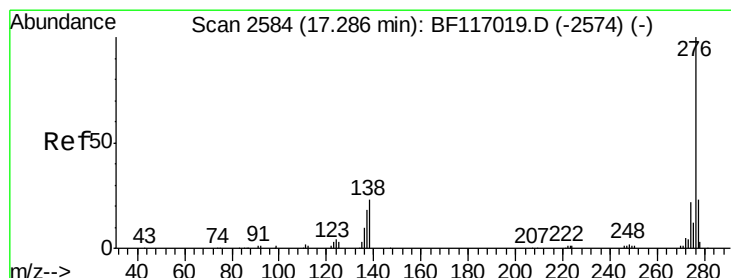
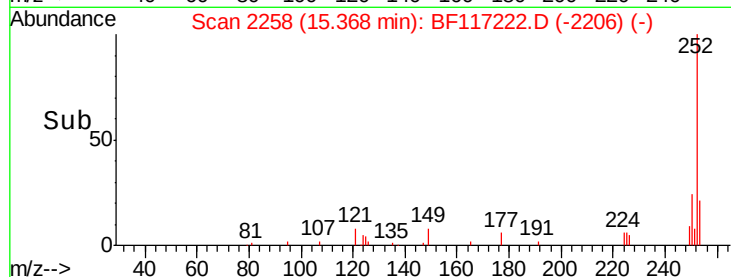
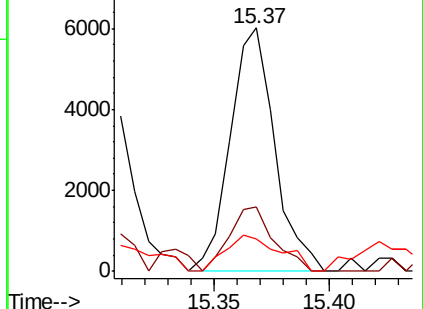
125 13.4 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 2.210 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117222.D

Acq: 24 Sep 2019 18:20

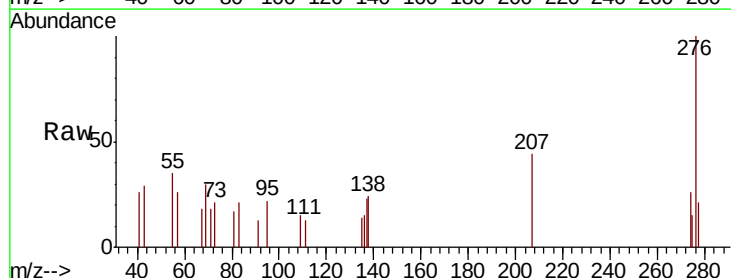
Tgt Ion:276 Resp: 5935

Ion Ratio Lower Upper

276 100

277 21.4 18.6 27.8

138 24.1 18.0 27.0



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

