

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117519.D
 Acq On : 24 Oct 2019 19:20
 Operator : JU
 Sample : K5145-04 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-102319

Quant Time: Oct 25 01:06:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	52024	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	216954	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	106206	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	152643	20.00	ng	0.00
76) Chrysene-d12	13.89	240	102617	20.00	ng	0.00
87) Perylene-d12	15.33	264	102818	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	130014	37.18	ng	0.00
7) Phenol-d6	6.39	99	176506	37.58	ng	0.00
23) Nitrobenzene-d5	7.30	82	103689	23.59	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	28708	31.24	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	177873	23.60	ng	0.00
79) Terphenyl-d14	12.83	244	117549	18.68	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.12	88	137	0.093	ng	# 29
9) Benzaldehyde	6.51	77	3430	Below	Cal	# 84
10) Phenol	6.40	94	4175	0.871	ng	# 74
15) Benzyl Alcohol	6.89	79	1600	0.477	ng	# 49
19) n-Nitroso-di-n-propylamine	7.30	70	13178	4.594	ng	# 81
25) Isophorone	7.30	82	103687	13.639	ng	# 65
46) 1,1'-Biphenyl	9.19	154	125	0.014	ng	# 43
47) 2-Chloronaphthalene	9.48	162	217	0.033	ng	# 1
48) 2-Nitroaniline	9.48	65	136	0.062	ng	# 1
49) Acenaphthylene	9.63	152	135	0.014	ng	# 62
50) Dimethylphthalate	9.49	163	29850	3.942	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	13522	8.558	ng	# 24
52) Acenaphthene	9.76	154	272	0.046	ng	# 5
57) 2,4-Dinitrotoluene	9.76	165	13522	6.437	ng	# 13
58) Fluorene	10.56	166	1356	0.189	ng	# 80
66) n-Nitrosodiphenylamine	10.56	169	1069	0.192	ng	# 44
67) 4-Bromophenyl-phenylether	10.56	248	1772	1.078	ng	# 1
71) Phenanthrene	11.27	178	1580	0.178	ng	# 82
72) Anthracene	11.33	178	295	0.032	ng	# 61
75) Fluoranthene	12.47	202	3984	0.449	ng	# 96
77) Benzidine	12.83	184	1661	Below	Cal	# 80
78) Pyrene	12.47	202	3984	0.452	ng	# 94
80) Butylbenzylphthalate	13.30	149	1134	0.259	ng	# 20
81) Benzo(a)anthracene	13.89	228	1866	0.270	ng	# 80
83) Chrysene	13.92	228	1759	0.259	ng	# 92
84) Bis(2-ethylhexyl)phthalate	13.86	149	843	0.137	ng	# 51
85) Di-n-octyl phthalate	14.47	149	259	0.027	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.76	276	398	0.079	ng	# 1
88) Benzo(b)fluoranthene	14.92	252	2368	0.390	ng	# 1
89) Benzo(k)fluoranthene	14.92	252	2368	0.381	ng	# 1
90) Benzo(a)pyrene	15.27	252	1224	0.222	ng	# 1
92) Benzo(a,h,i)perylene	17.17	276	287	0.064	ng	# 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

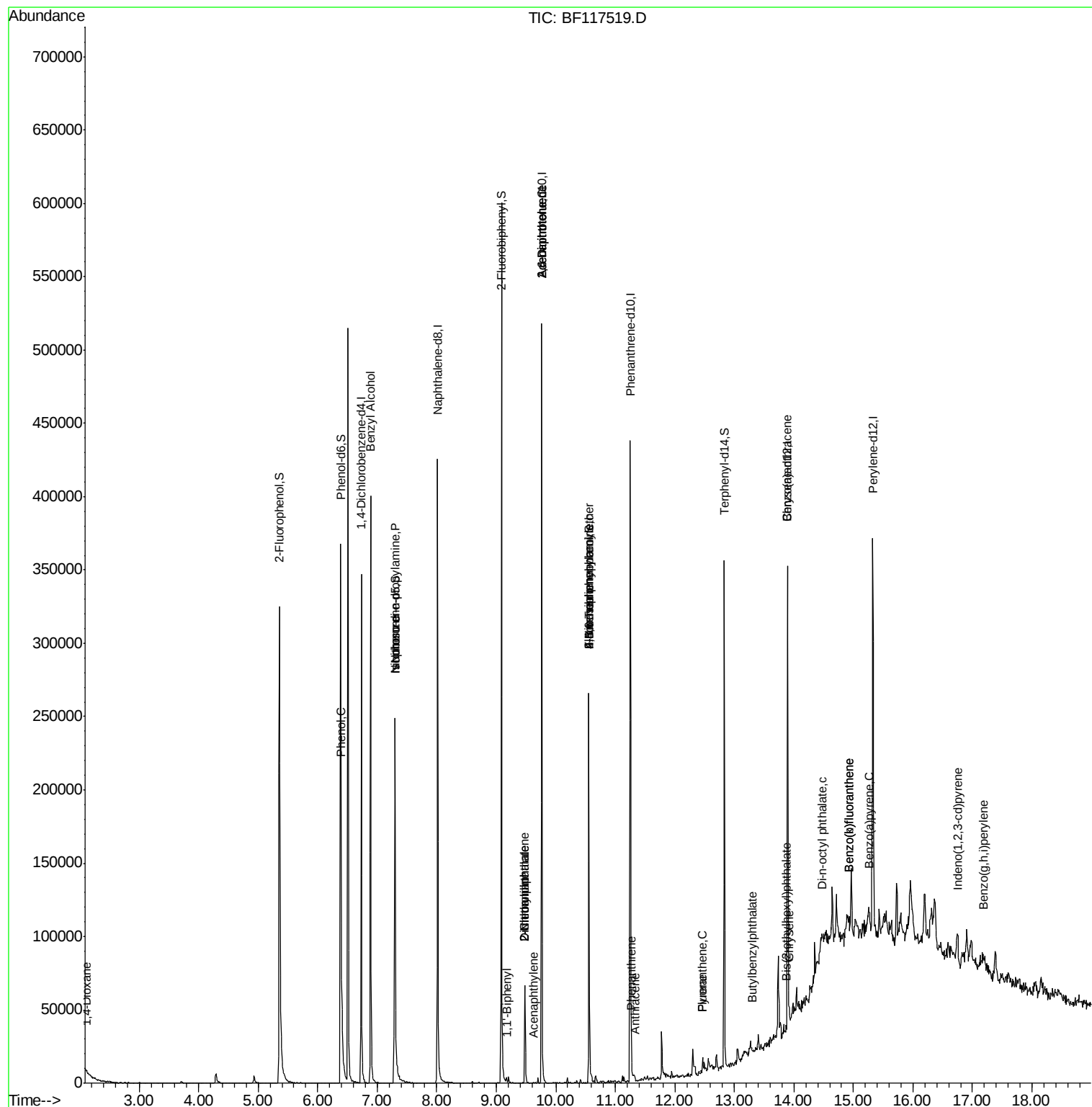
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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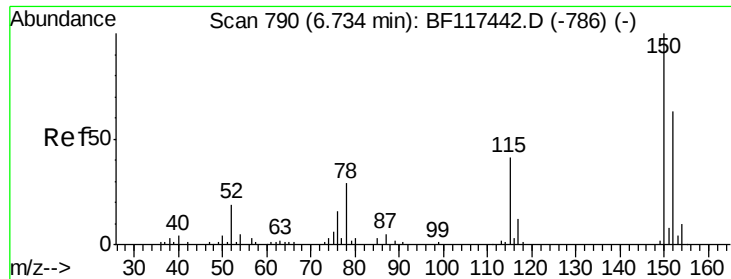
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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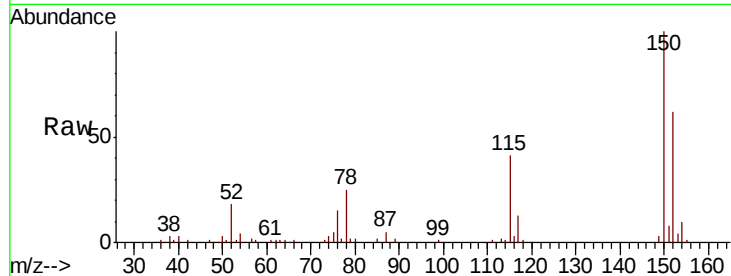


#1

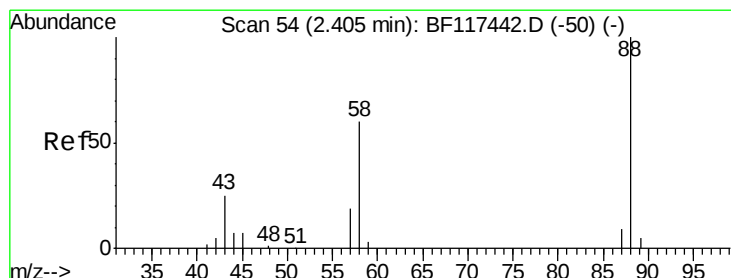
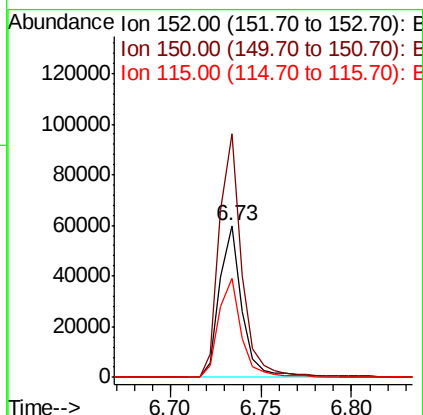
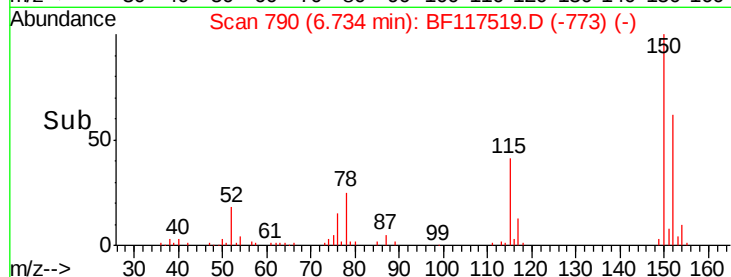
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
HD-02-102319

Tot Ion:152 Resp: 52024
Ion Ratio Lower Upper
152 100
150 160.6 126.8 190.2
115 65.1 51.6 77.4



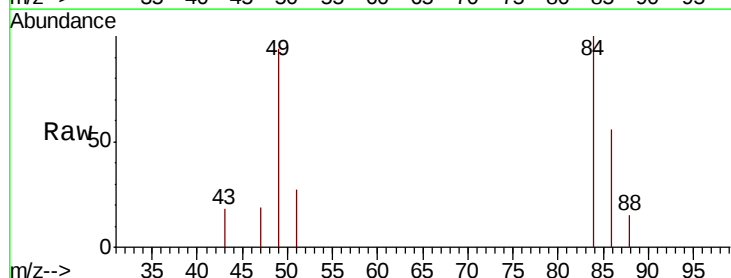
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



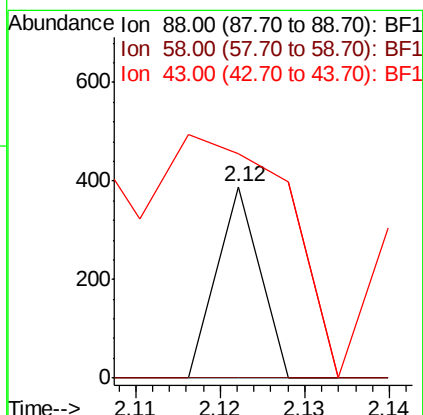
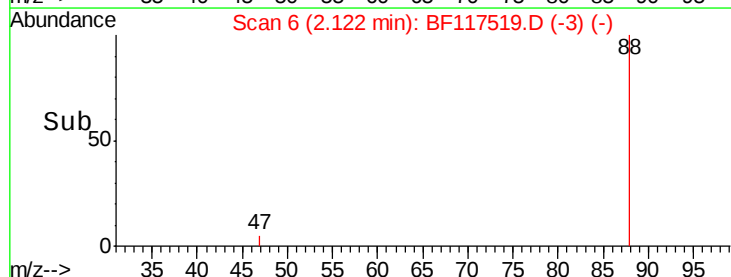
#2

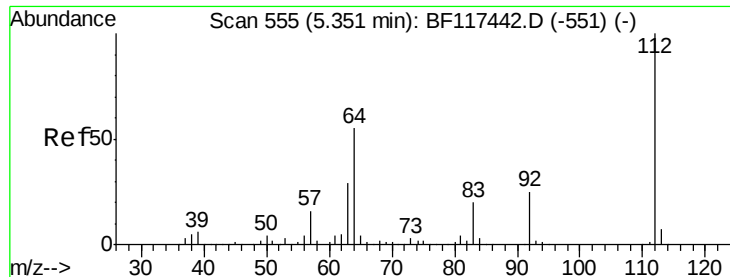
1,4-Dioxane
Concen: 0.093 ng
RT: 2.12 min Scan# 6
Delta R.T. -0.28 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
58 0.0 48.8 73.2#
43 0.0 18.5 27.7#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

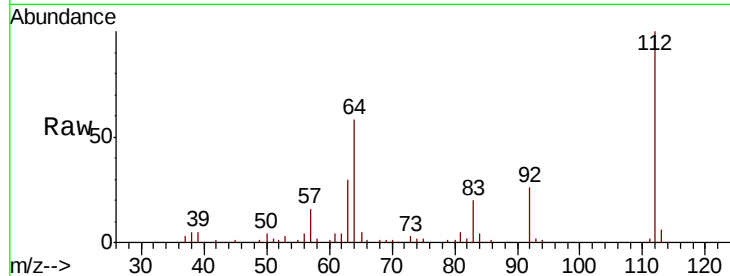




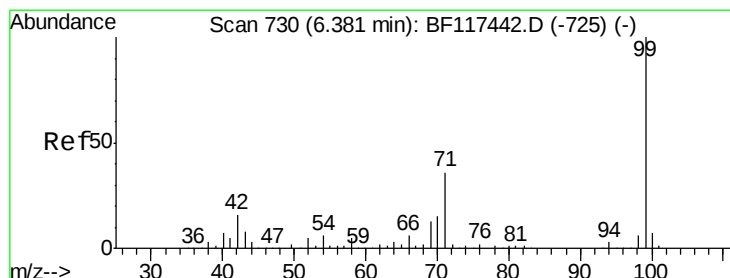
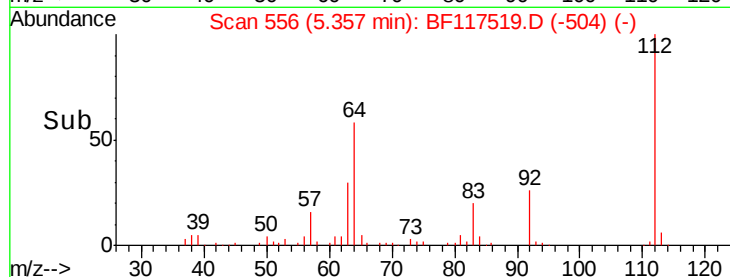
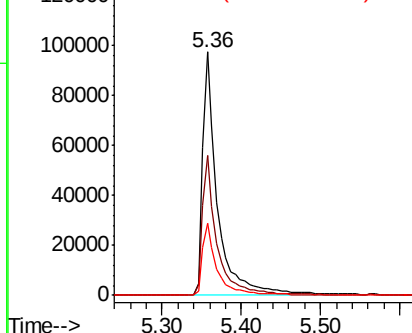
#5
 2-Fluorophenol
 Concen: 37.179 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-102319

Tot Ion: 112 Resp: 130014
 Ion Ratio Lower Upper
 112 100
 64 57.7 44.1 66.1
 63 29.7 23.4 35.2

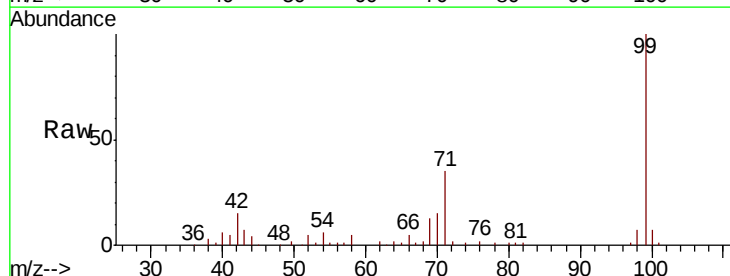


Abundance Ion 112.00 (111.70 to 112.70): BF1
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

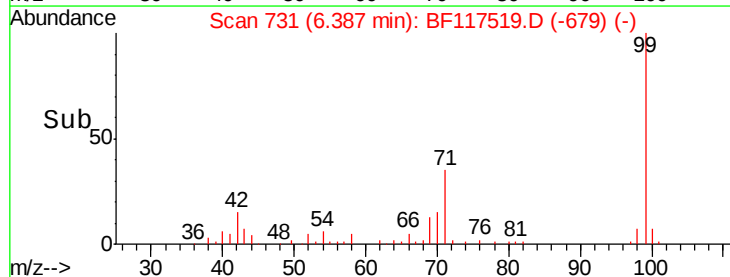
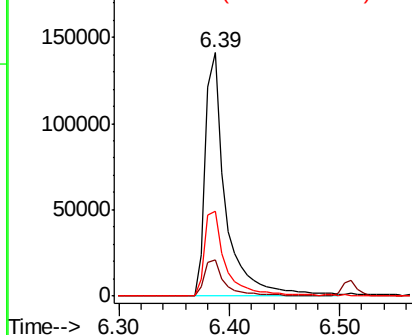


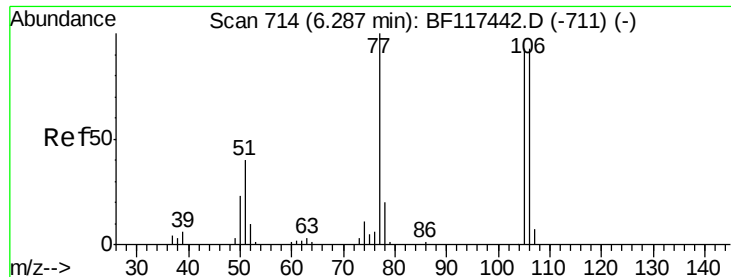
#7
 Phenol-d6
 Concen: 37.580 ng
 RT: 6.39 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

Tgt Ion: 99 Resp: 176506
 Ion Ratio Lower Upper
 99 100
 42 14.8 12.8 19.2
 71 35.1 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





#9

Benzaldehyde

Concen: Below Cal

RT: 6.51 min Scan# 752

Delta R.T. 0.22 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

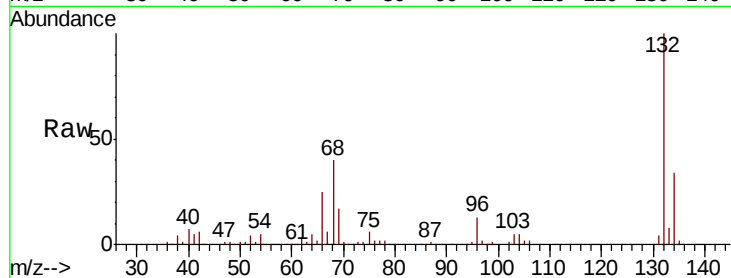
Tot Ion: 77 Resp: 3430

Ion Ratio Lower Upper

77 100

105 88.2 73.4 113.4

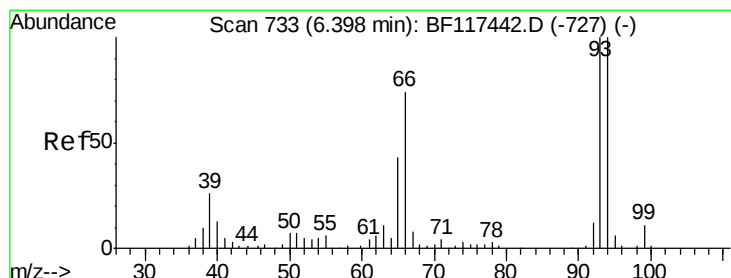
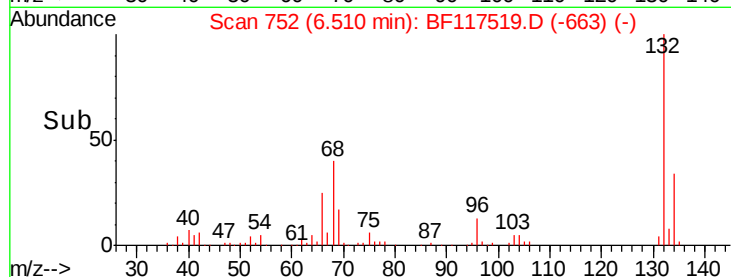
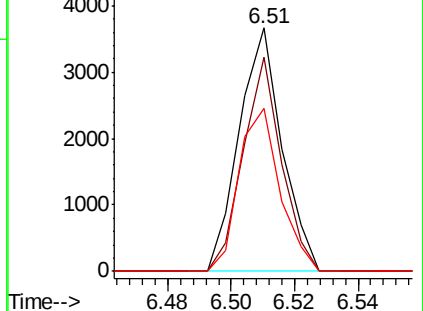
106 66.9 73.0 113.0#



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: 0.871 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

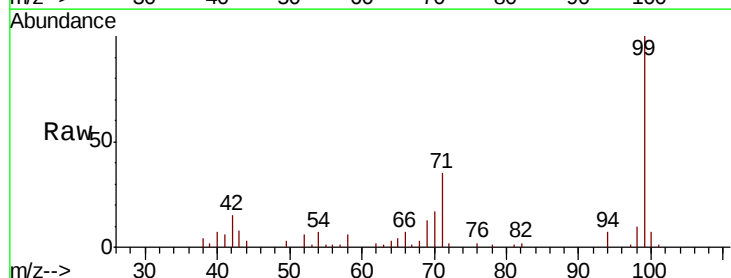
Tgt Ion: 94 Resp: 4175

Ion Ratio Lower Upper

94 100

65 59.7 23.4 63.4

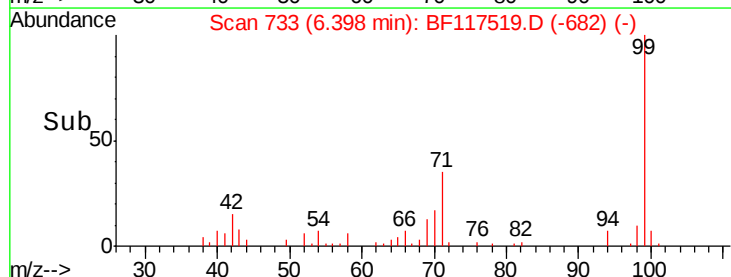
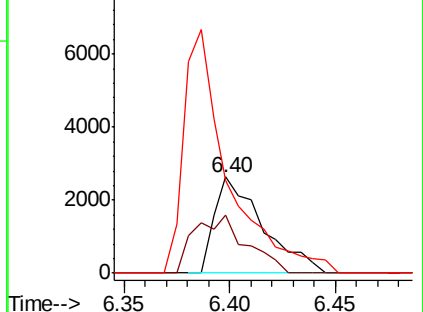
66 96.7 54.7 94.7#

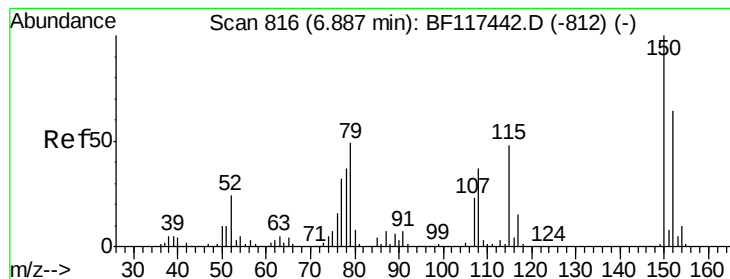


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 0.477 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

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HD-02-102319

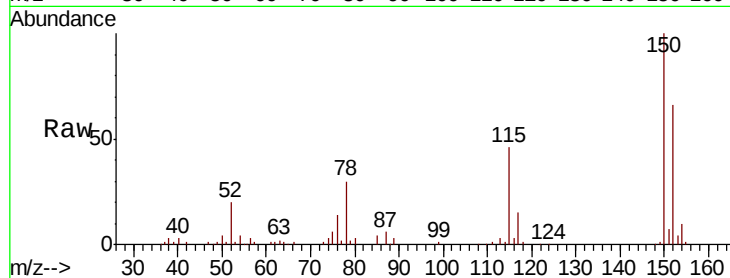
Tot Ion: 79 Resp: 1600

Ion Ratio Lower Upper

79 100

108 23.0 59.8 89.8#

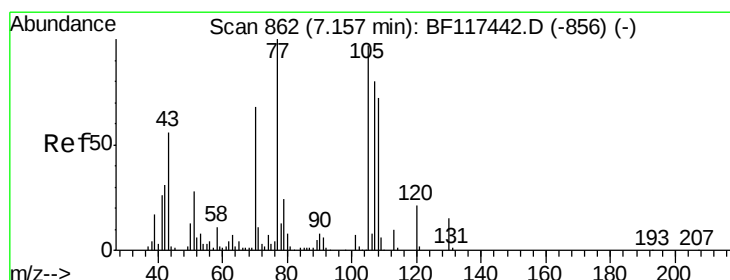
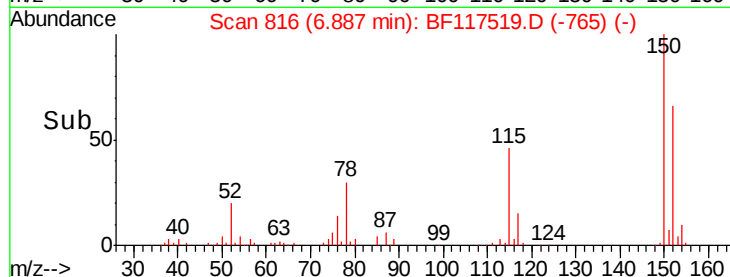
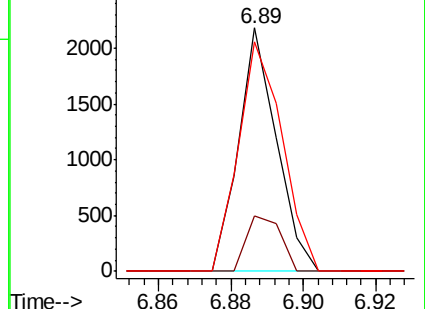
77 94.3 51.4 77.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 4.594 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Tgt Ion: 70 Resp: 13178

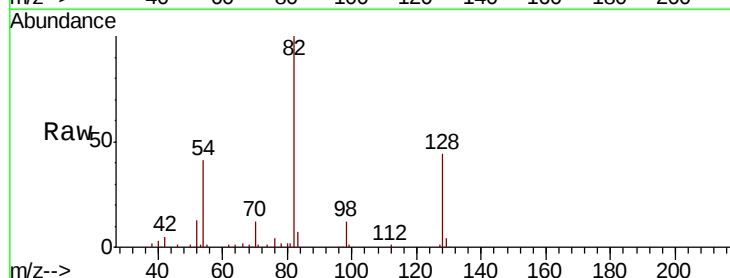
Ion Ratio Lower Upper

70 100

42 41.6 36.7 55.1

101 0.0 8.3 12.5#

130 2.7 18.1 27.1#

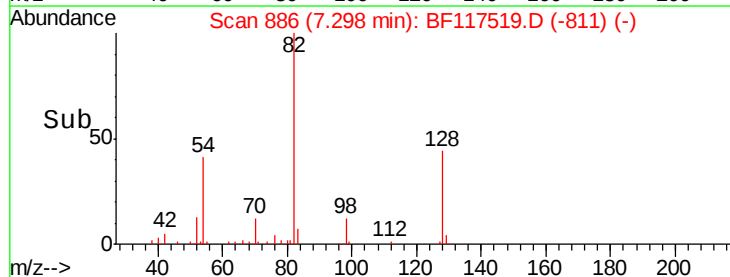
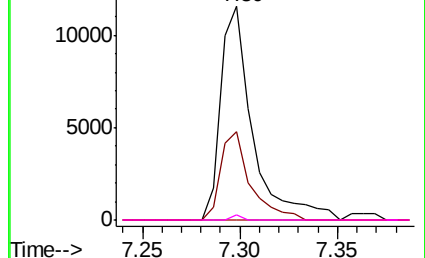


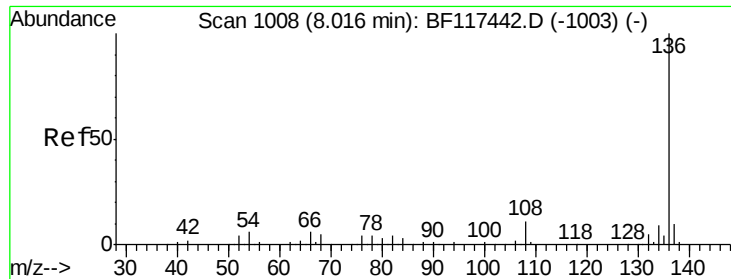
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

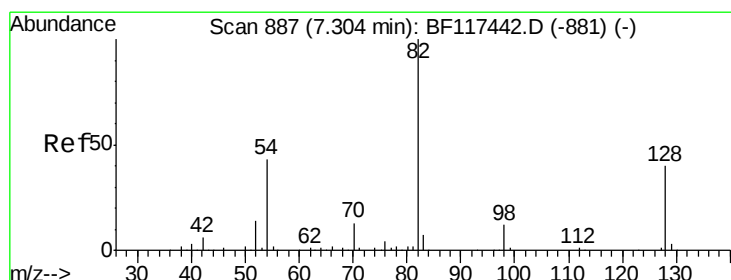
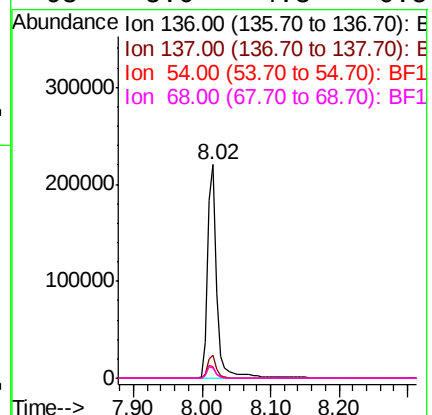
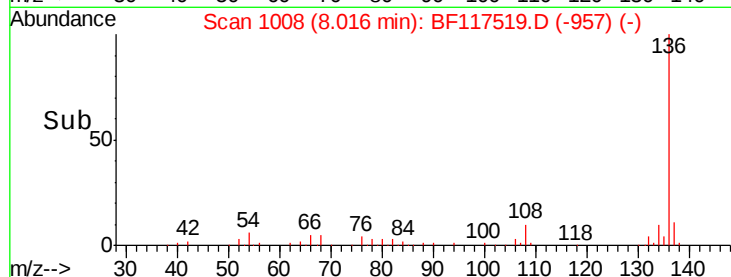
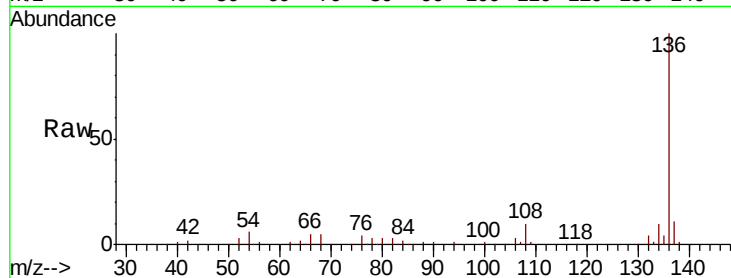




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

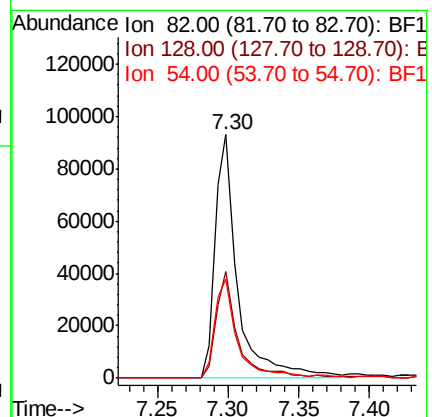
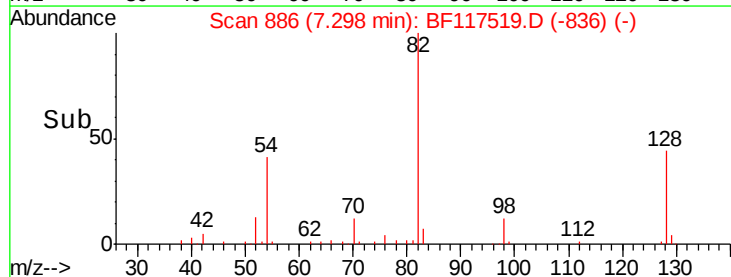
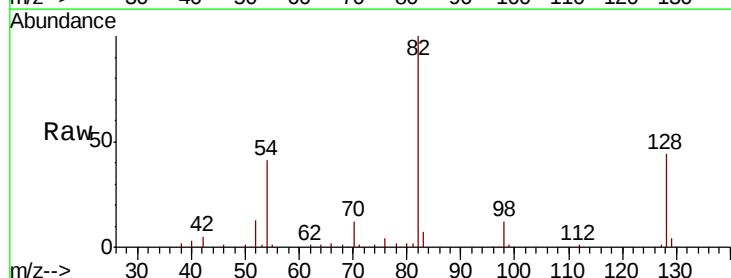
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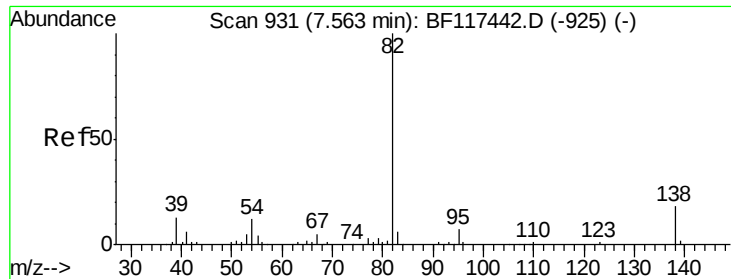
Tot Ion:136	Resp:	216954
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.2 12.4
54	5.7	4.5 6.7
68	5.0	4.3 6.5



#23
Nitrobenzene-d5
Concen: 23.594 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

Tgt Ion: 82	Resp:	103689
Ion	Ratio	Lower Upper
82	100	
128	43.8	32.2 48.2
54	40.7	34.2 51.2





#25

Isophorone

Concen: 13.639 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

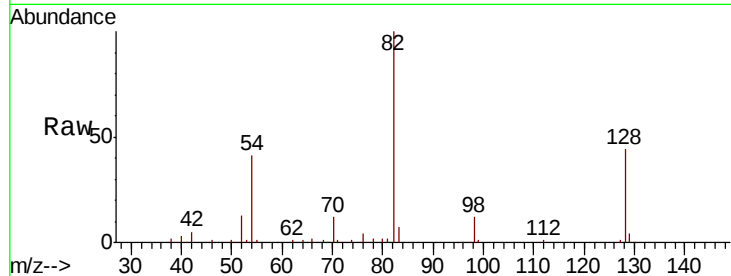
Tot Ion: 82 Resp: 103687

Ion Ratio Lower Upper

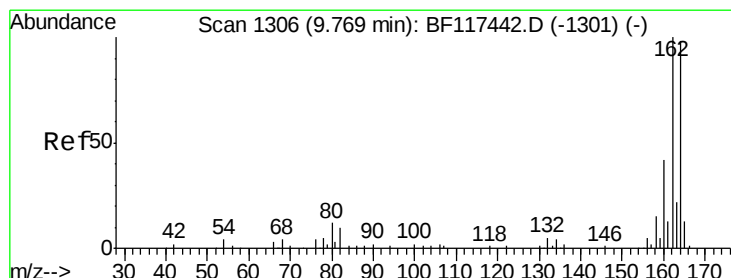
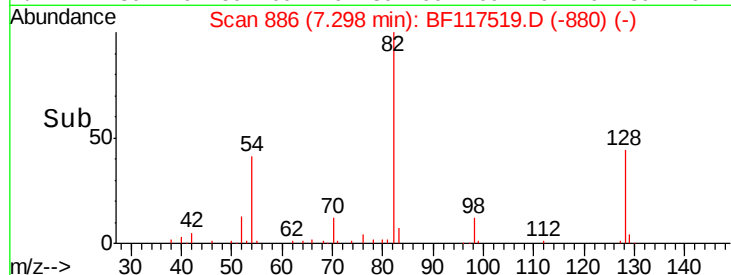
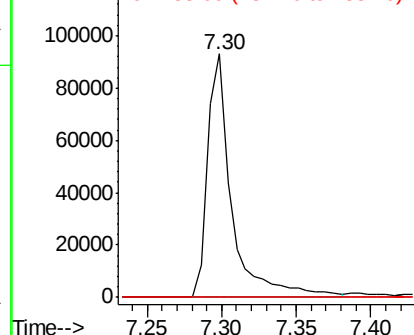
82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

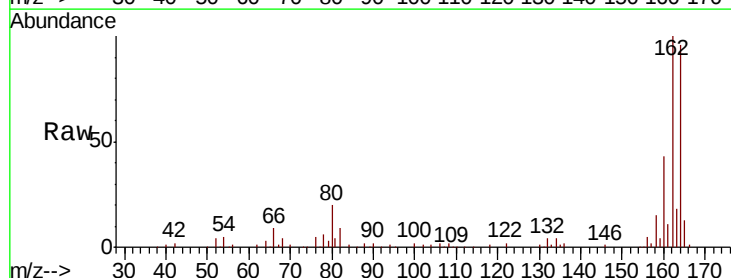
Tgt Ion:164 Resp: 106206

Ion Ratio Lower Upper

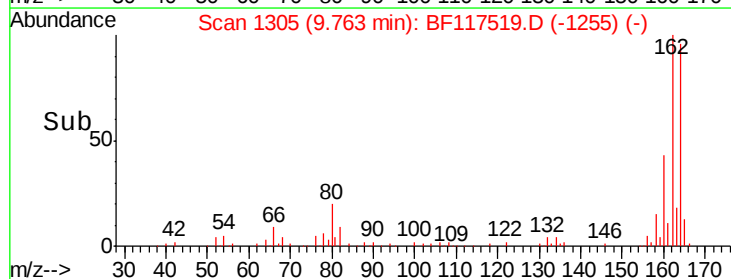
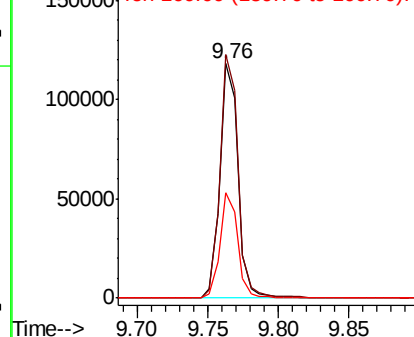
164 100

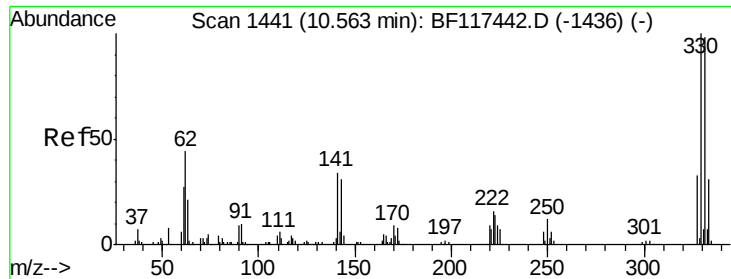
162 104.0 81.8 122.6

160 45.2 34.4 51.6



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

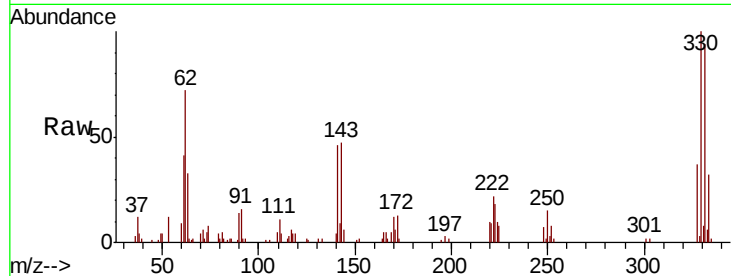




#42
 2,4,6-Tribromophenol
 Concen: 31.240 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-102319

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.5	117.7
141	46.1	37.0	55.6

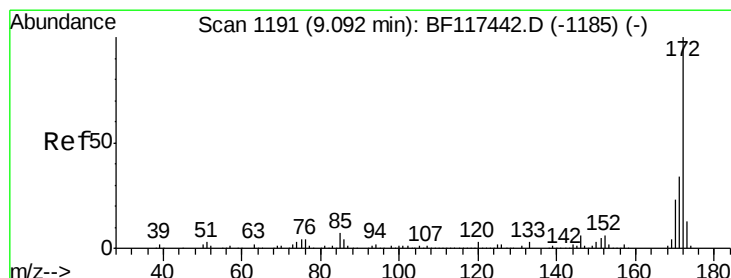
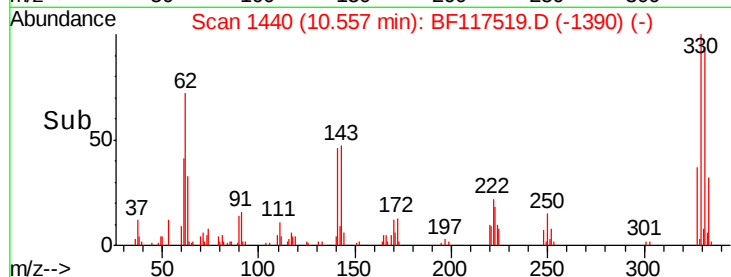
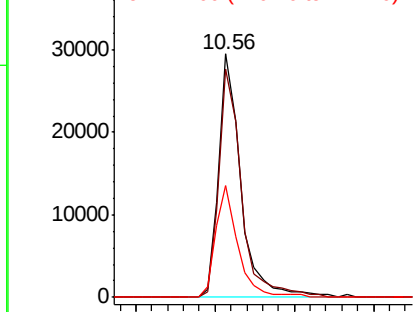


Abundance

Ion 329.80 (329.50 to 330.50): E

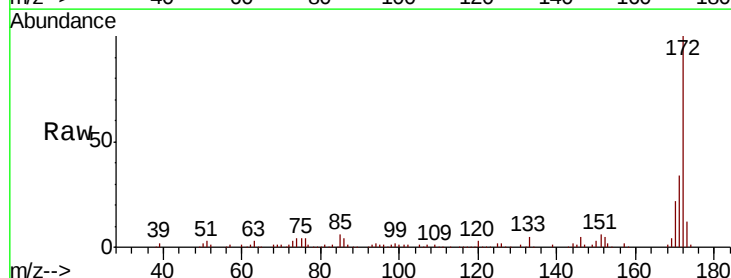
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 23.598 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.5	41.3
170	21.7	18.6	27.8

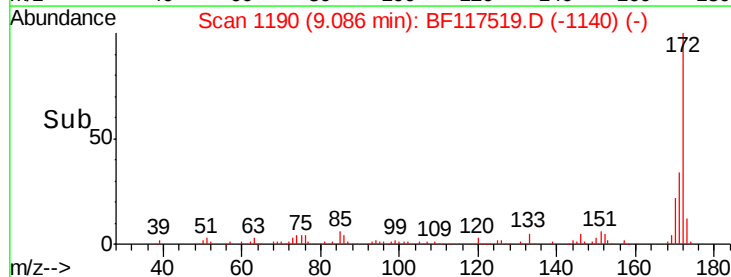
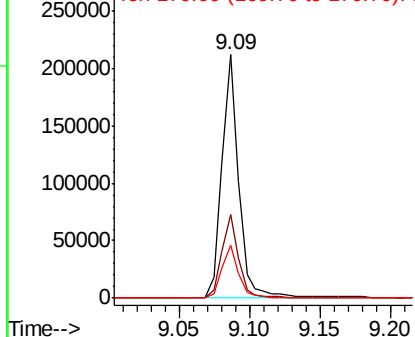


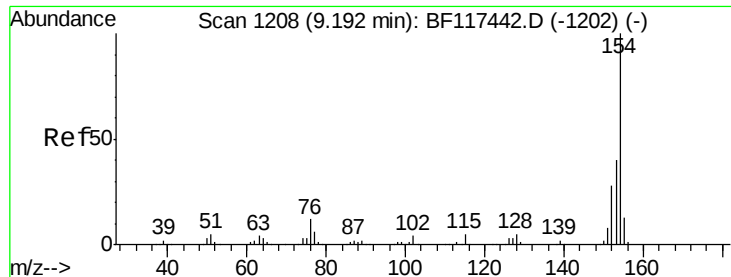
Abundance

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

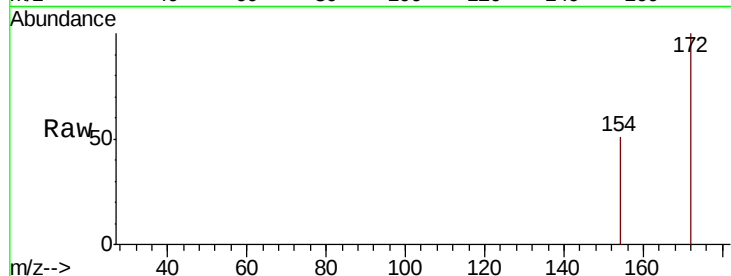




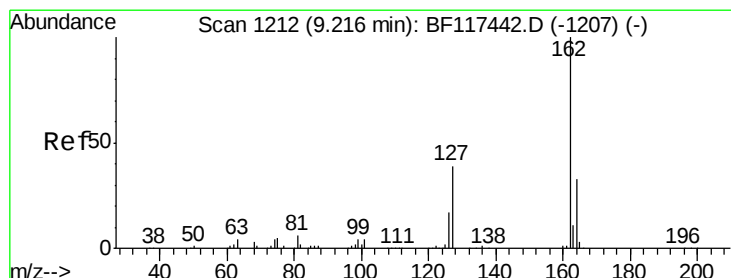
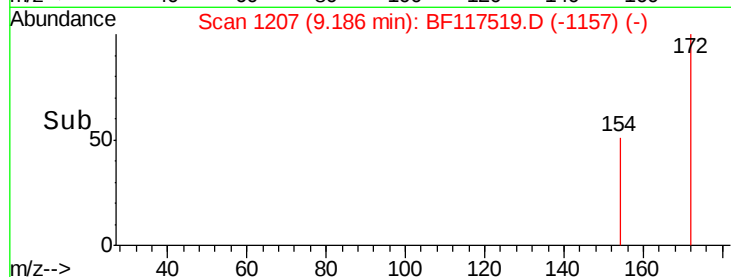
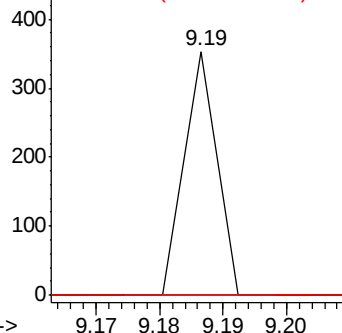
#46
 1,1'-Biphenyl
 Concen: 0.014 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-102319

Tot Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.2	60.2#
76	0.0	0.0	32.1

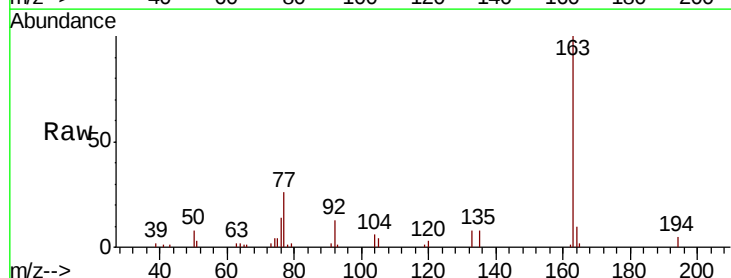


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

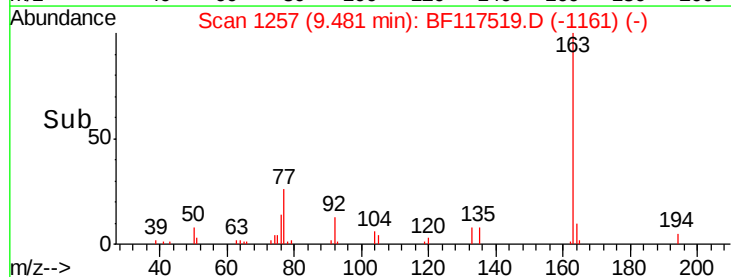
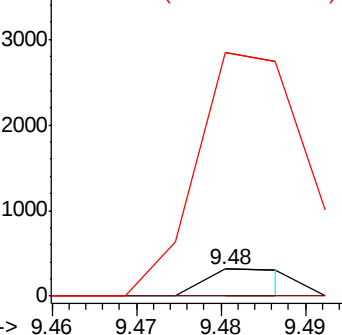


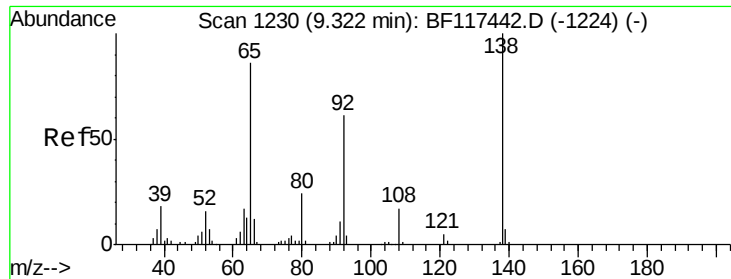
#47
 2-Chloronaphthalene
 Concen: 0.033 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.26 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
162	100		
127	0.0	34.2	51.4#
164	912.2	26.4	39.6#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

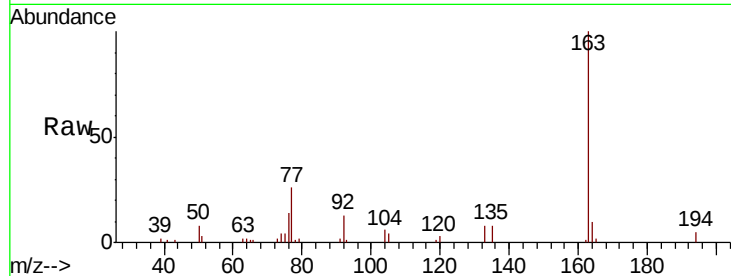




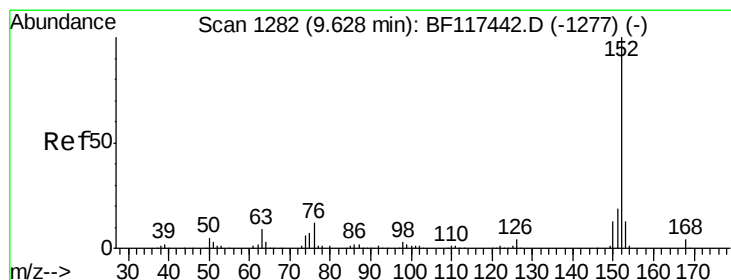
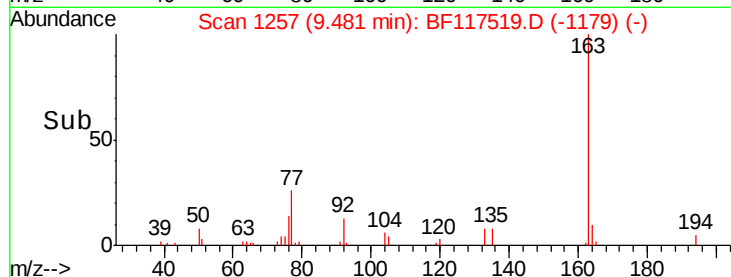
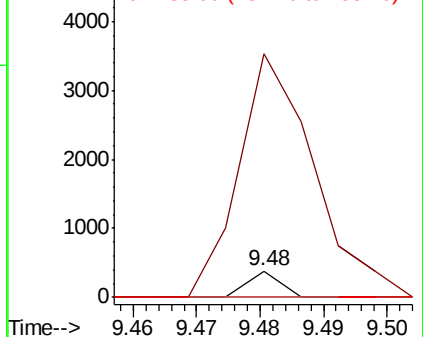
#48
2-Nitroaniline
Concen: 0.062 ng
RT: 9.48 min Scan# 1257
Delta R.T. 0.16 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
HD-02-102319

Tot Ion: 65 Resp: 136
Ion Ratio Lower Upper
65 100
92 919.5 57.3 85.9#
138 0.0 93.3 139.9#

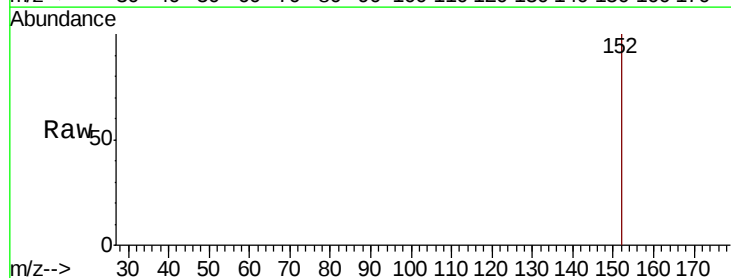


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

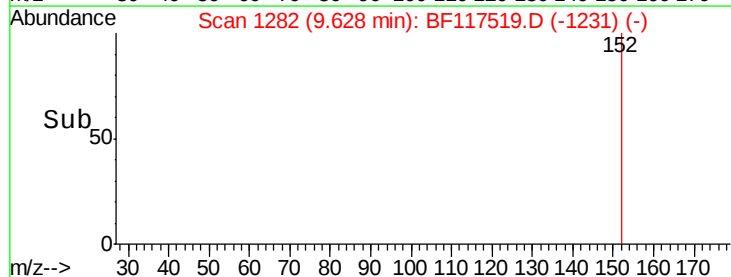
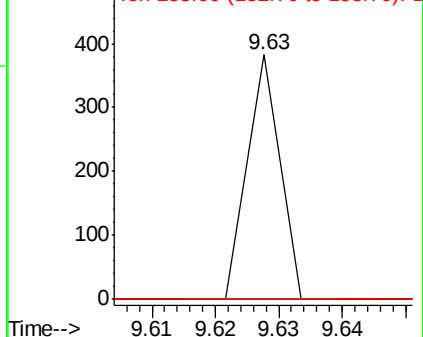


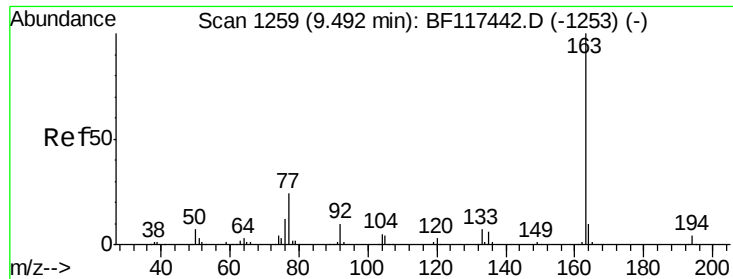
#49
Acenaphthylene
Concen: 0.014 ng
RT: 9.63 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

Tgt Ion: 152 Resp: 135
Ion Ratio Lower Upper
152 100
151 0.0 15.4 23.0#
153 0.0 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 3.942 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

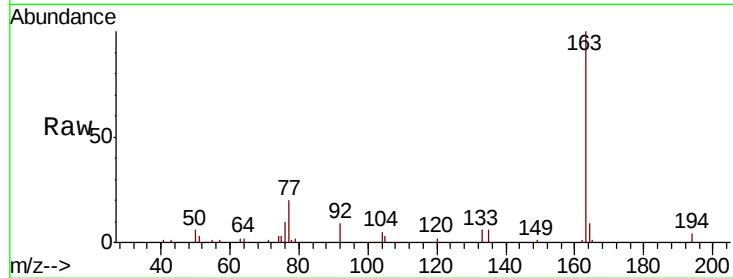
Tot Ion:163 Resp: 29850

Ion Ratio Lower Upper

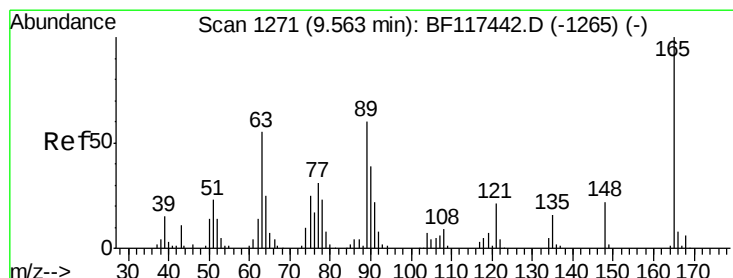
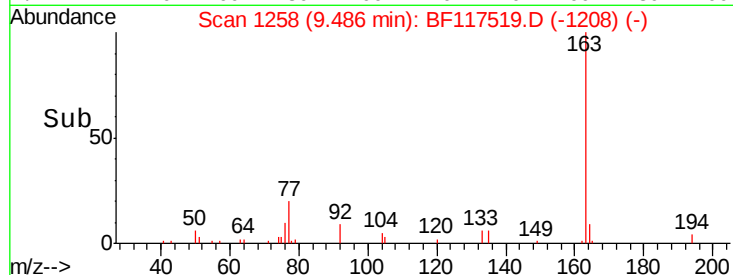
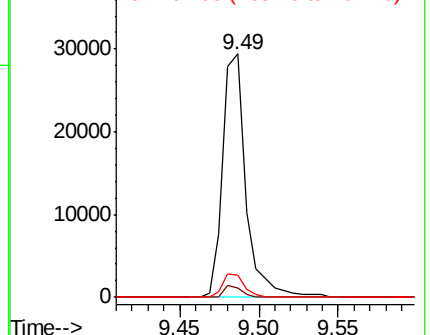
163 100

194 3.8 2.9 4.3

164 9.3 8.2 12.2



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: 8.558 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

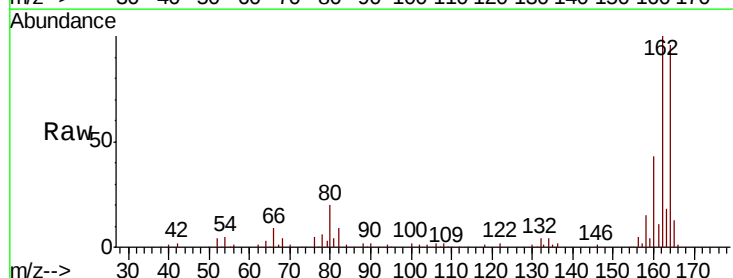
Tgt Ion:165 Resp: 13522

Ion Ratio Lower Upper

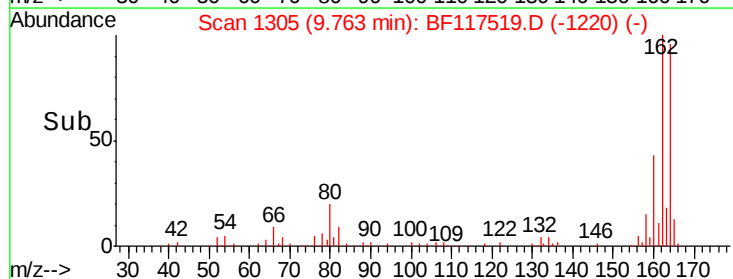
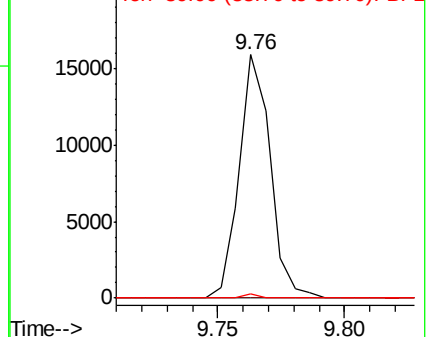
165 100

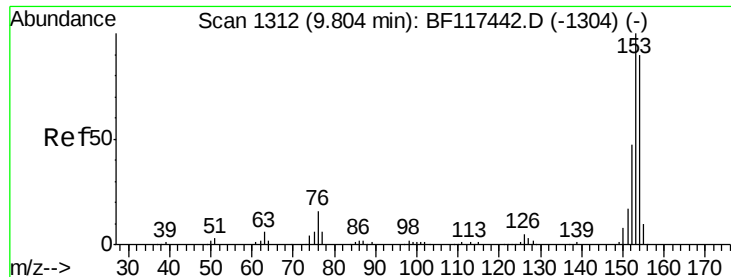
63 0.0 43.8 65.8#

89 1.9 47.6 71.4#



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





#52

Acenaphthene

Concen: 0.046 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.04 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampled :

HD-02-102319

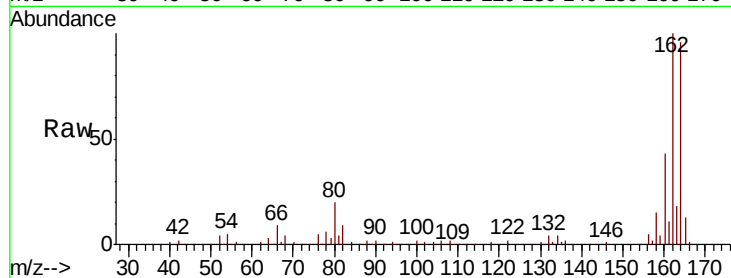
Tot Ion:154 Resp: 272

Ion Ratio Lower Upper

154 100

153 0.0 89.2 133.8#

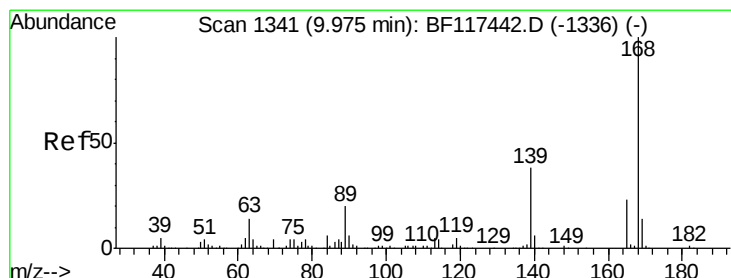
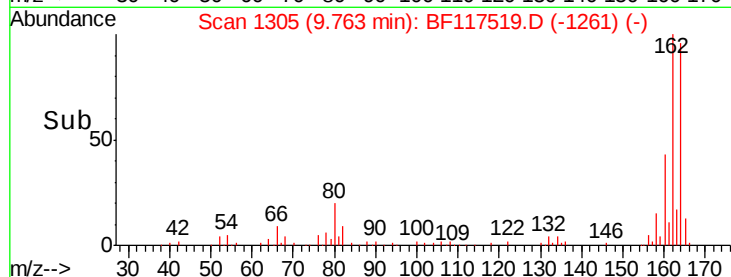
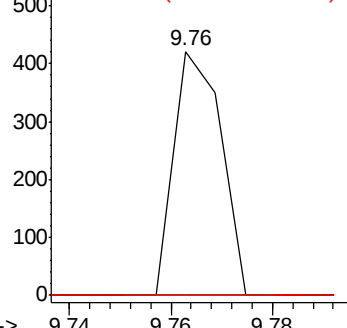
152 0.0 41.8 62.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.437 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Tgt Ion:165 Resp: 13522

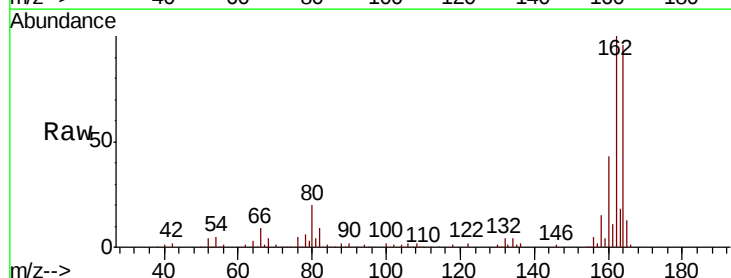
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 1.9 69.9 104.9#

182 0.0 1.9 2.9#

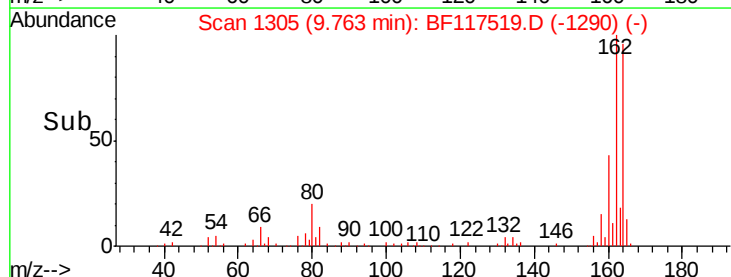
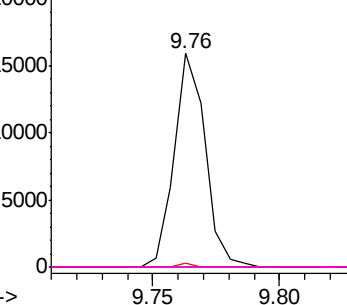


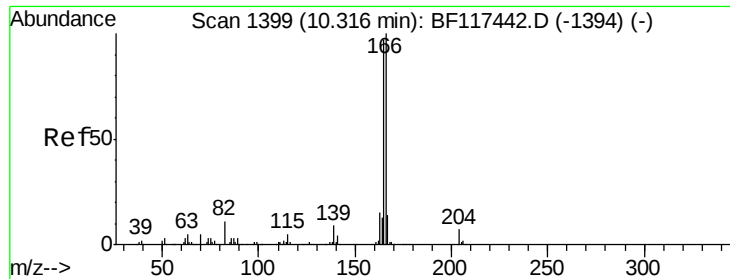
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 0.189 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.24 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

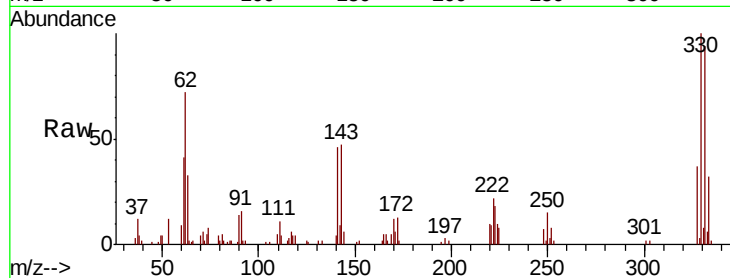
Tot Ion:166 Resp: 1356

Ion Ratio Lower Upper

166 100

165 109.7 77.6 116.4

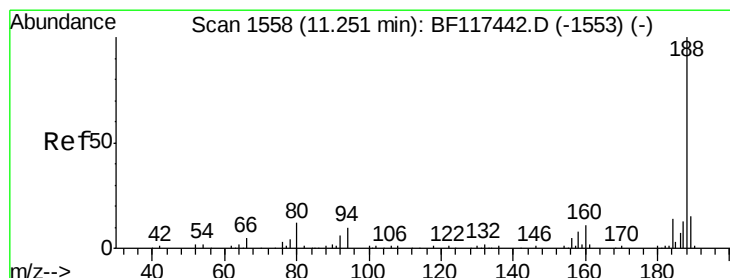
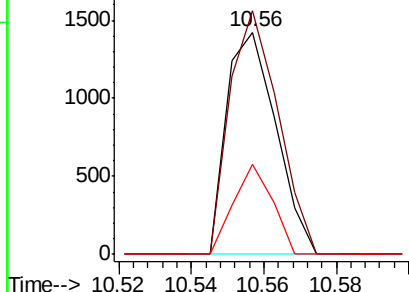
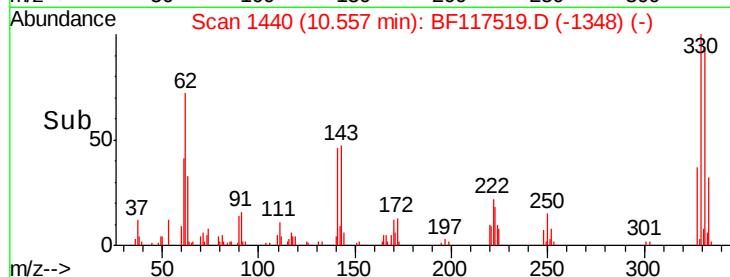
167 40.4 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

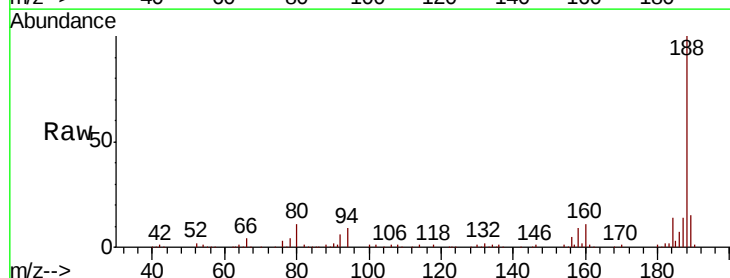
Tgt Ion:188 Resp: 152643

Ion Ratio Lower Upper

188 100

94 8.7 8.0 12.0

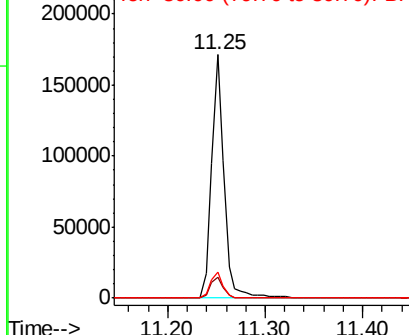
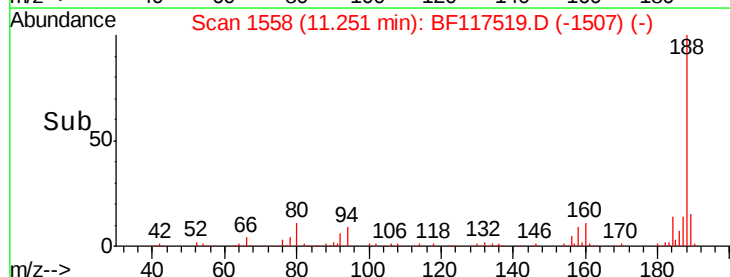
80 10.9 9.5 14.3

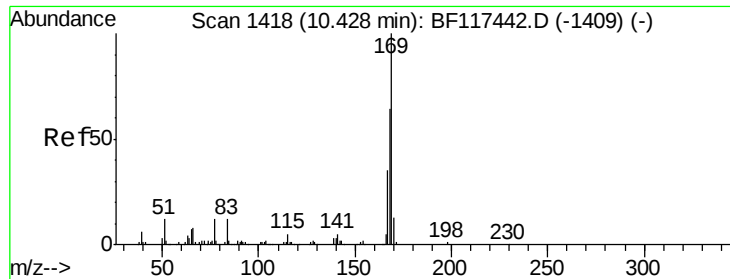


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

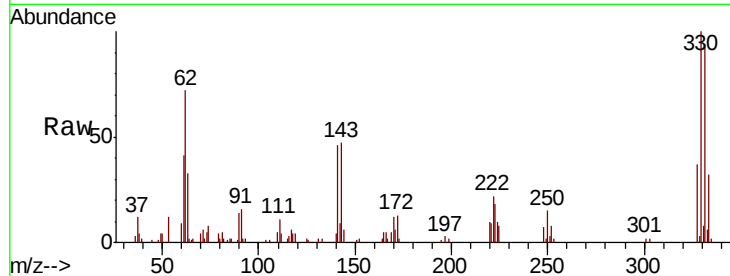




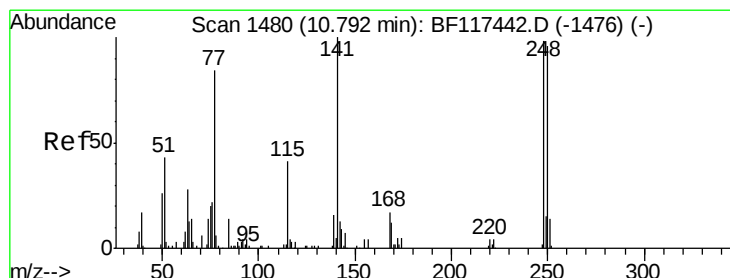
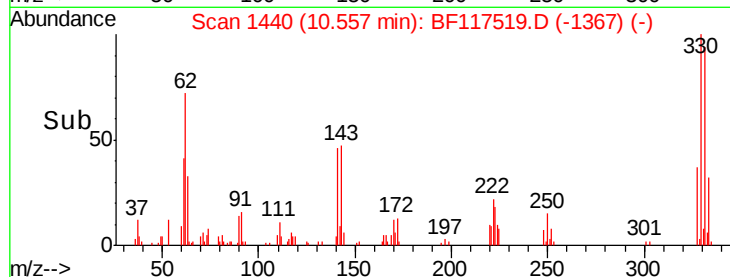
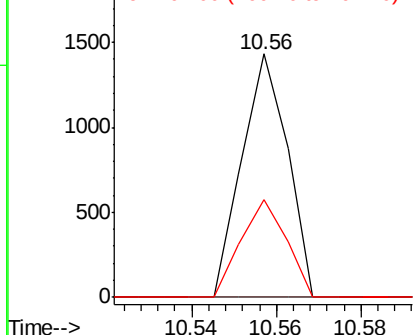
#66
n-Nitrosodiphenylamine
Concen: 0.192 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.13 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
HD-02-102319

Tot Ion:169 Resp: 1069
Ion Ratio Lower Upper
169 100
168 0.0 51.3 76.9#
167 40.2 28.2 42.4

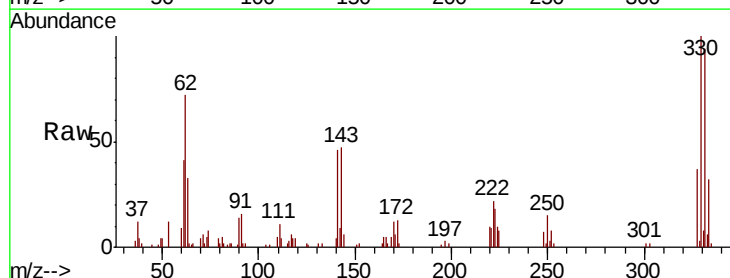


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

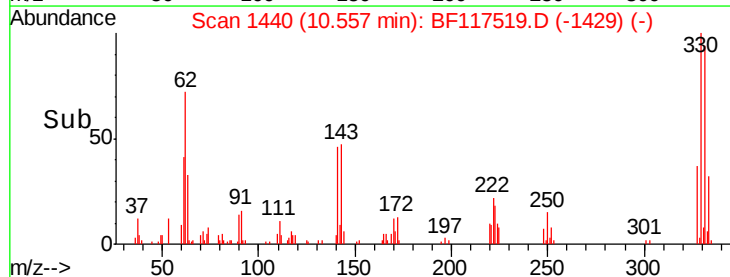
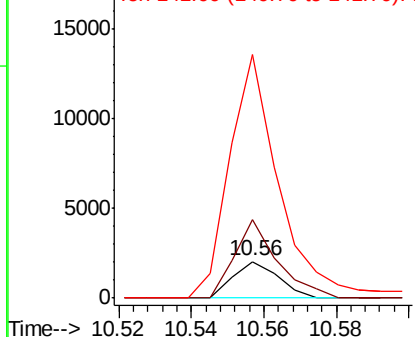


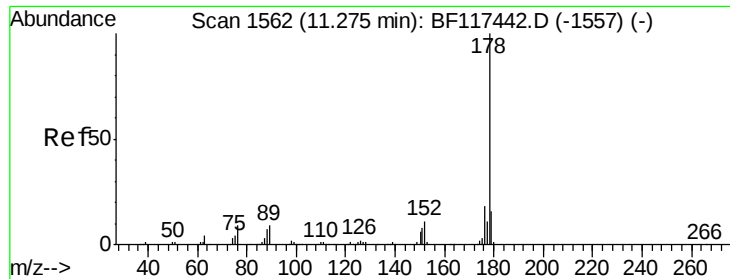
#67
4-Bromophenyl-phenylether
Concen: 1.078 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117519.D
Acq: 24 Oct 2019 19:20

Tgt Ion:248 Resp: 1772
Ion Ratio Lower Upper
248 100
250 213.7 78.0 117.0#
141 659.9 81.7 122.5#



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





#71

Phenanthrene

Concen: 0.178 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

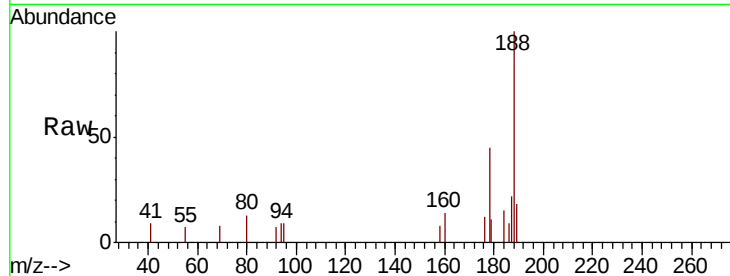
Tot Ion:178 Resp: 1580

Ion Ratio Lower Upper

178 100

176 26.1 14.6 22.0#

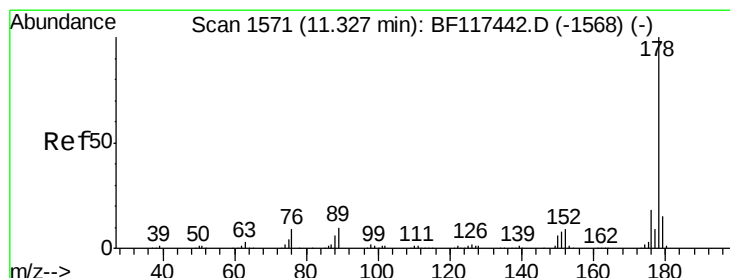
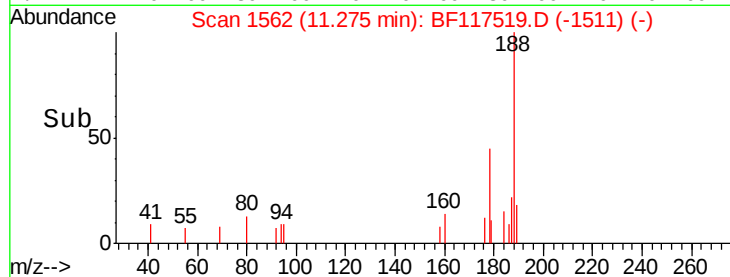
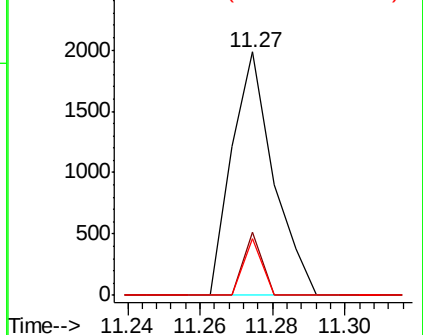
179 23.4 12.6 19.0#



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



#72

Anthracene

Concen: 0.032 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

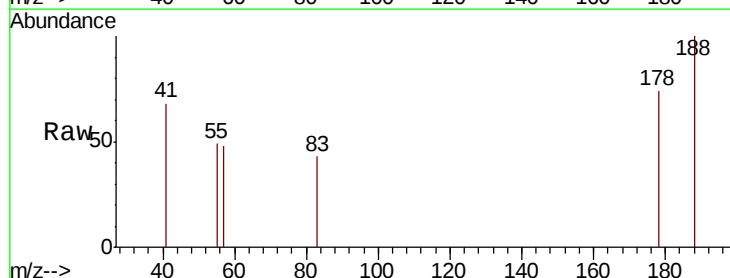
Tgt Ion:178 Resp: 295

Ion Ratio Lower Upper

178 100

176 0.0 14.7 22.1#

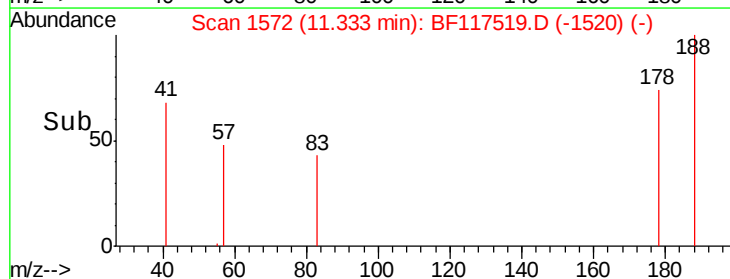
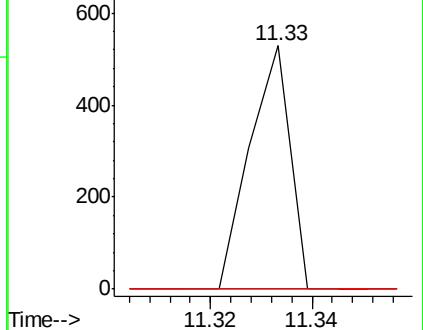
179 0.0 12.2 18.2#

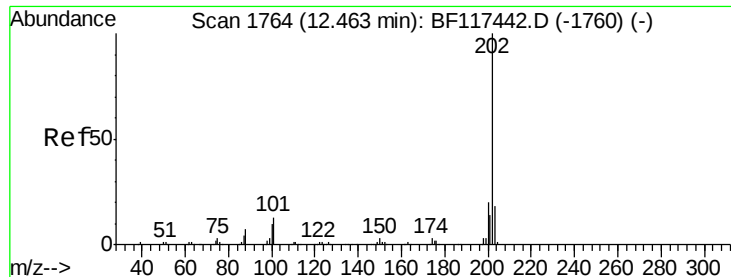


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 0.449 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

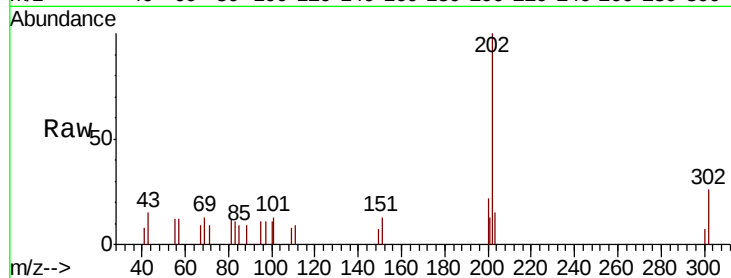
Tot Ion:202 Resp: 3984

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.7

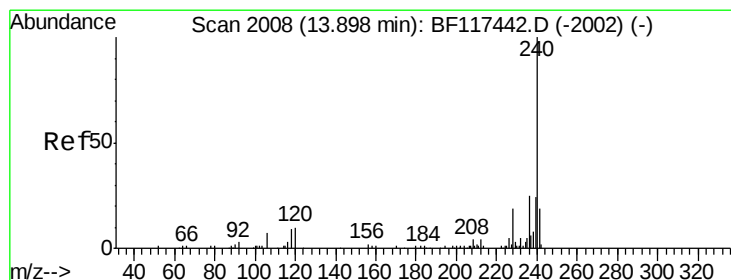
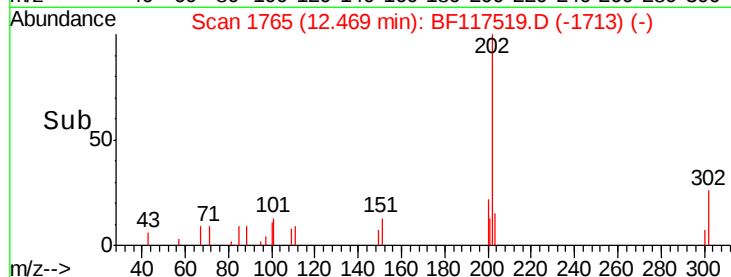
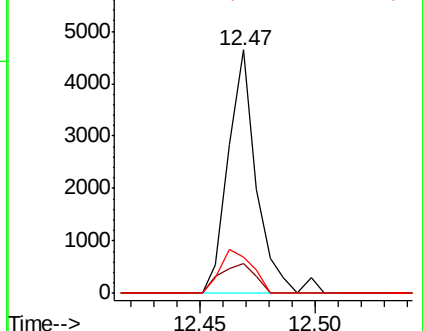
203 14.6 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

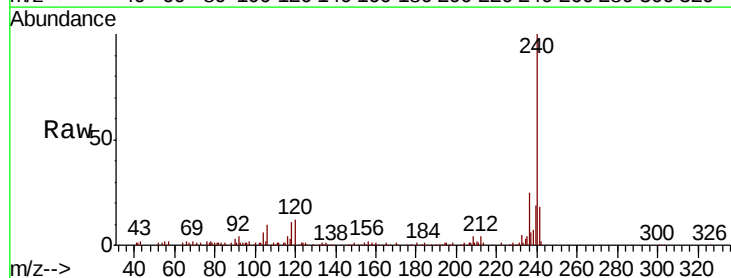
Tgt Ion:240 Resp: 102617

Ion Ratio Lower Upper

240 100

120 12.0 8.4 12.6

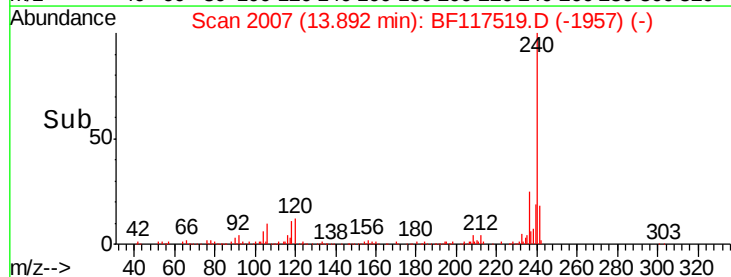
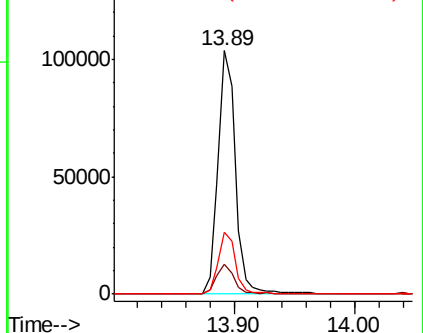
236 25.3 20.0 30.0

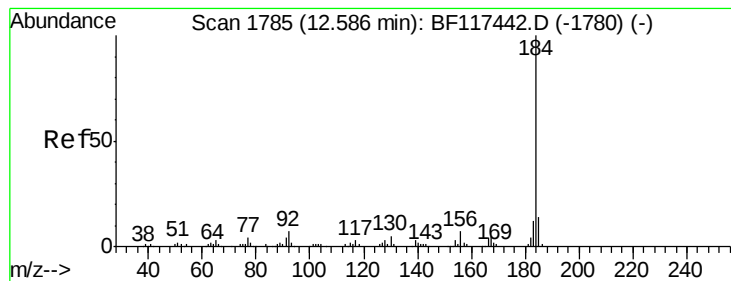


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 12.83 min Scan# 1827

Delta R.T. 0.25 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

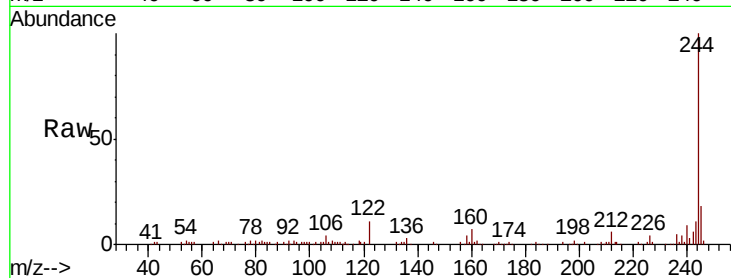
Tot Ion:184 Resp: 1661

Ion Ratio Lower Upper

184 100

185 18.9 11.4 17.0#

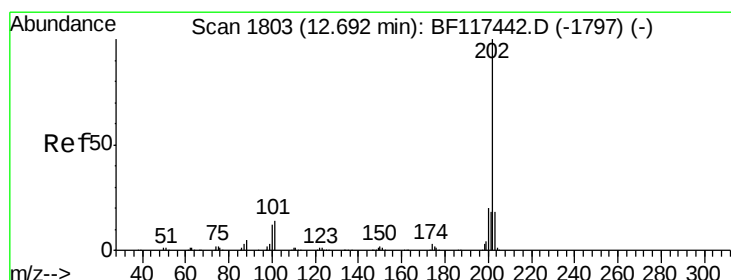
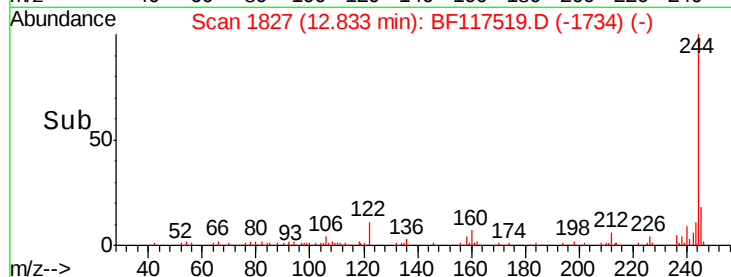
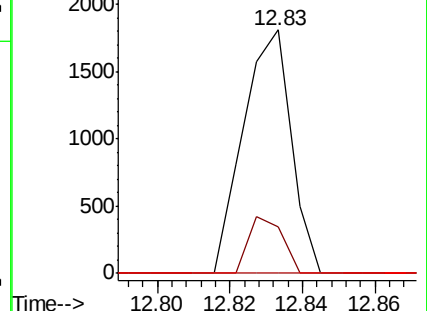
183 0.0 9.6 14.4#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.452 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.22 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

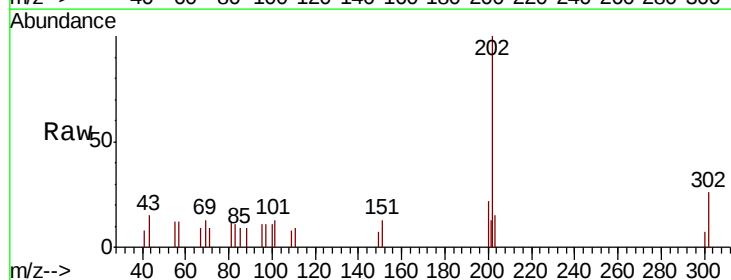
Tgt Ion:202 Resp: 3984

Ion Ratio Lower Upper

202 100

200 22.3 16.2 24.2

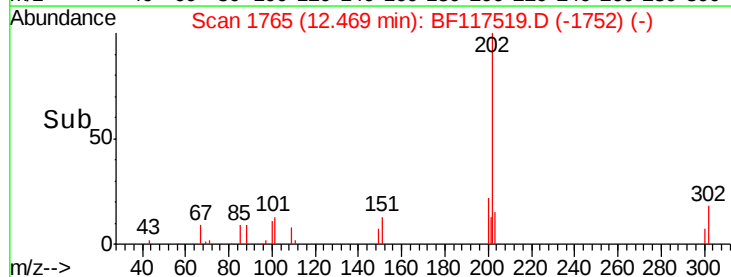
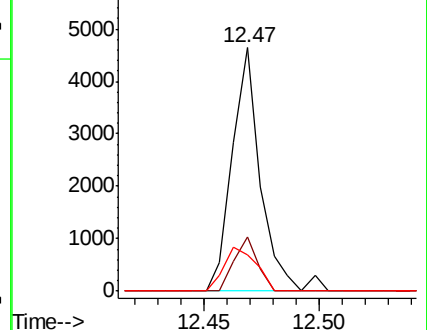
203 14.6 14.0 21.0

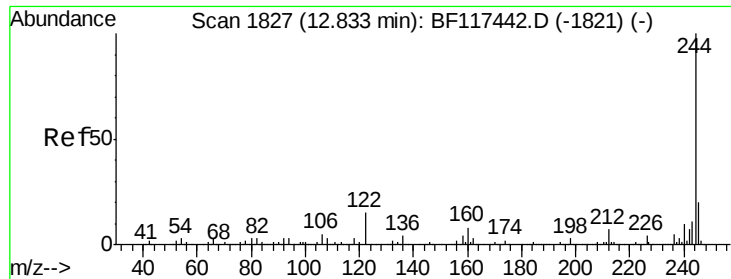


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 18.685 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

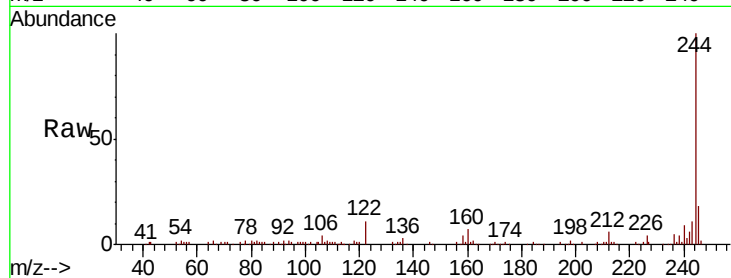
Tot Ion:244 Resp: 117549

Ion Ratio Lower Upper

244 100

212 6.0 5.8 8.6

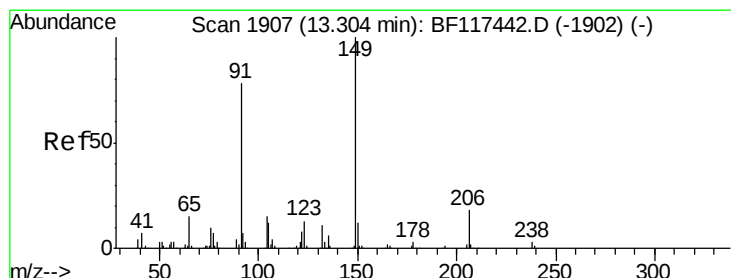
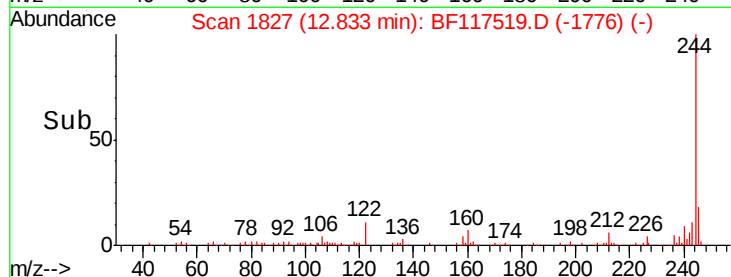
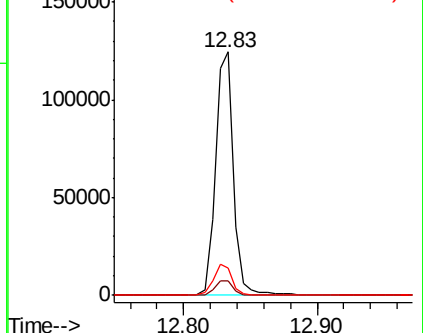
122 11.2 11.8 17.8#



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



#80

Butylbenzylphthalate

Concen: 0.259 ng

RT: 13.30 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

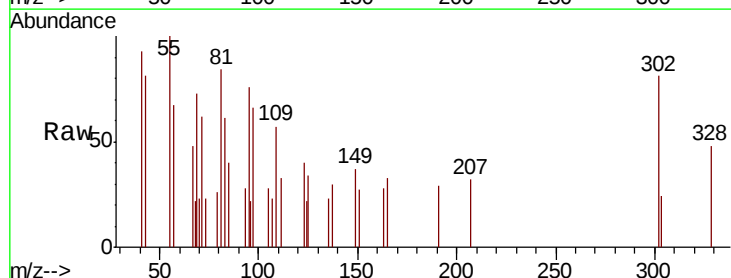
Tgt Ion:149 Resp: 1134

Ion Ratio Lower Upper

149 100

91 0.0 62.1 93.1#

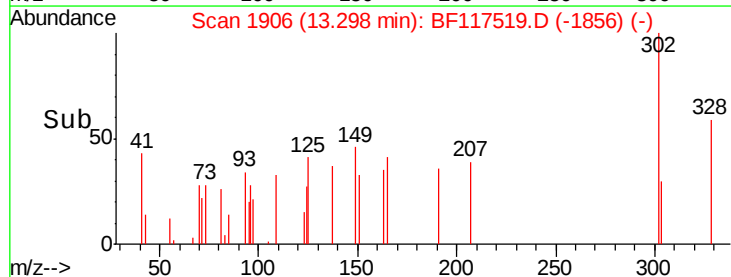
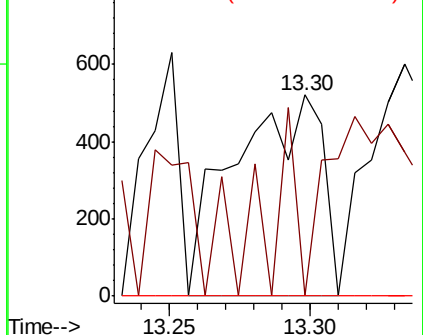
206 0.0 14.3 21.5#

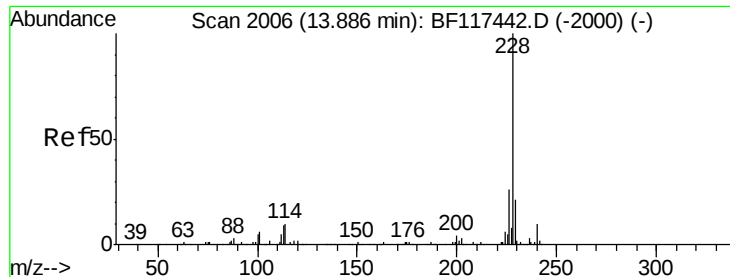


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.270 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

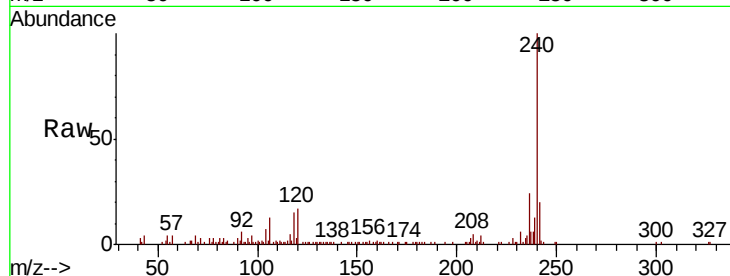
Tot Ion:228 Resp: 1866

Ion Ratio Lower Upper

228 100

226 23.9 21.0 31.4

229 39.4 16.4 24.6#

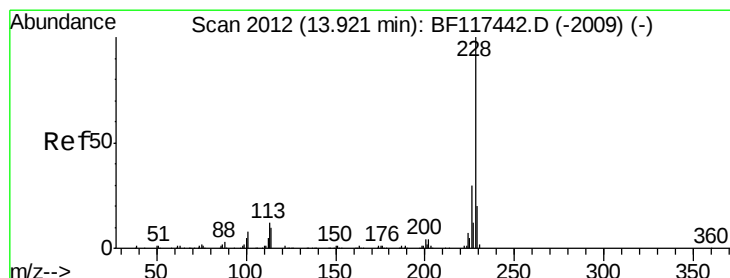
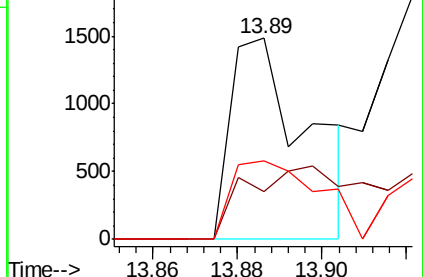
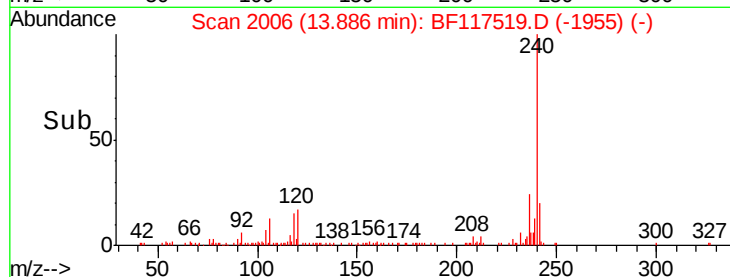


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 0.259 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

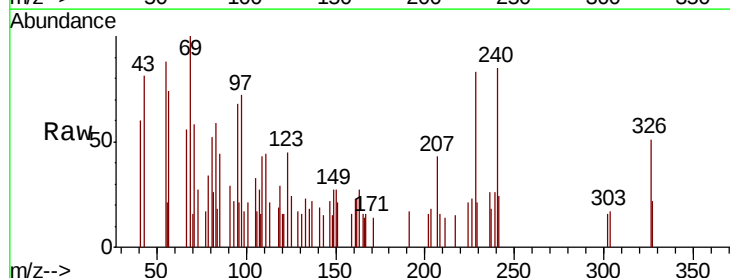
Tgt Ion:228 Resp: 1759

Ion Ratio Lower Upper

228 100

226 27.1 23.9 35.9

229 25.0 15.8 23.6#

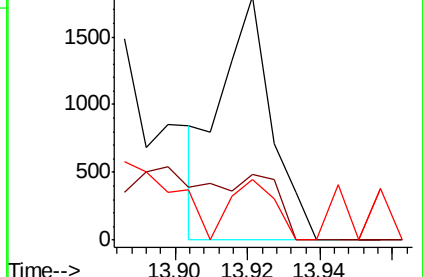
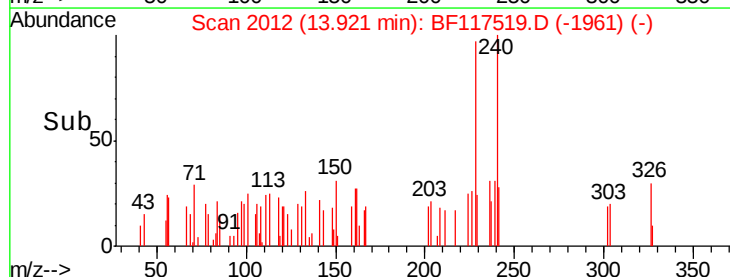


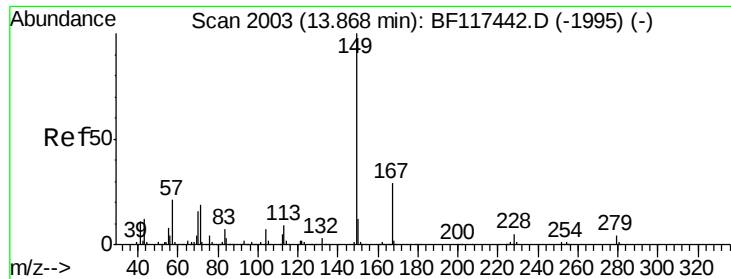
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.137 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

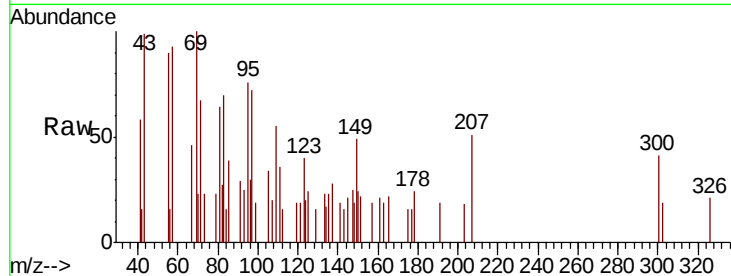
Tot Ion:149 Resp: 843

Ion Ratio Lower Upper

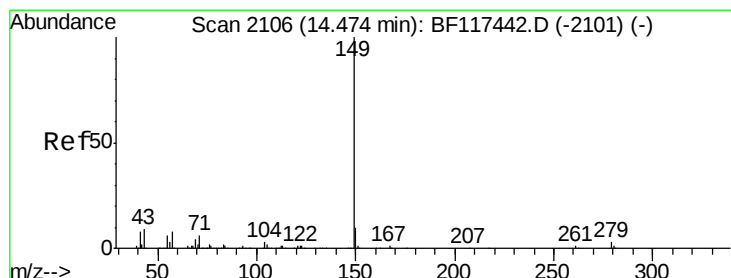
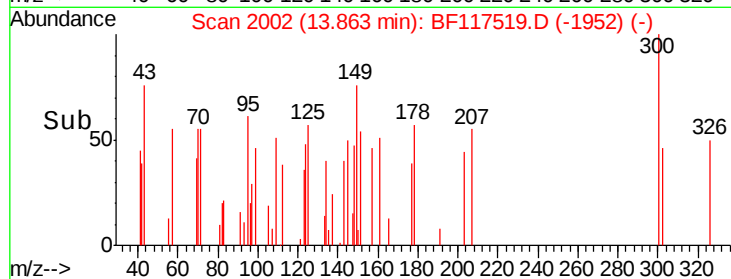
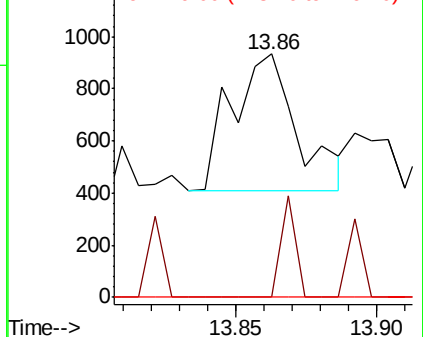
149 100

167 0.0 23.3 34.9#

279 0.0 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.027 ng

RT: 14.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

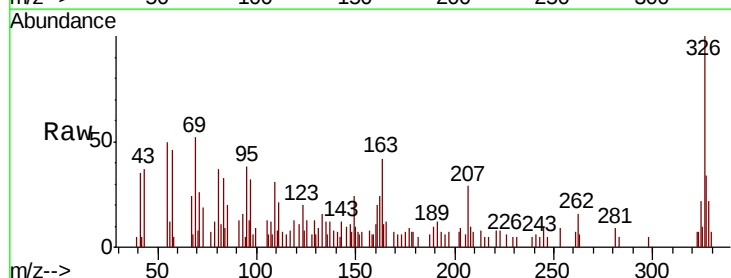
Tgt Ion:149 Resp: 259

Ion Ratio Lower Upper

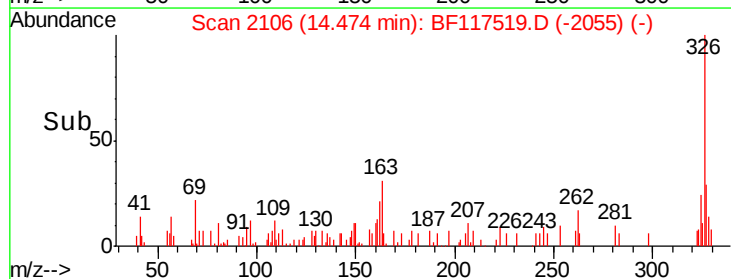
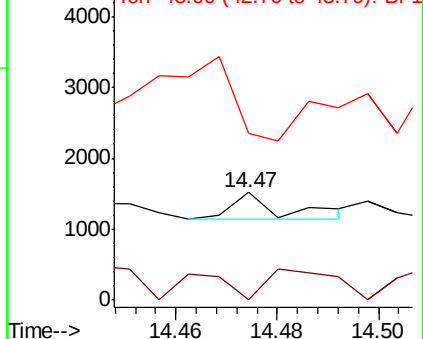
149 100

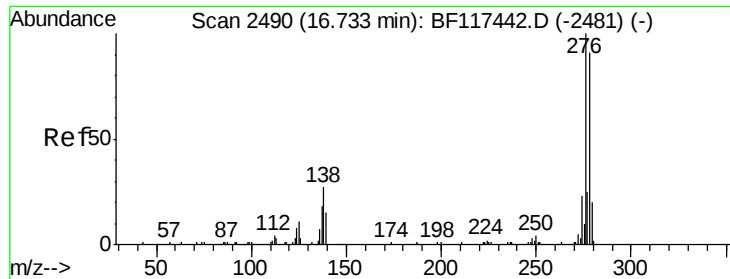
167 158.3 1.2 1.8#

43 663.3 6.8 10.2#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

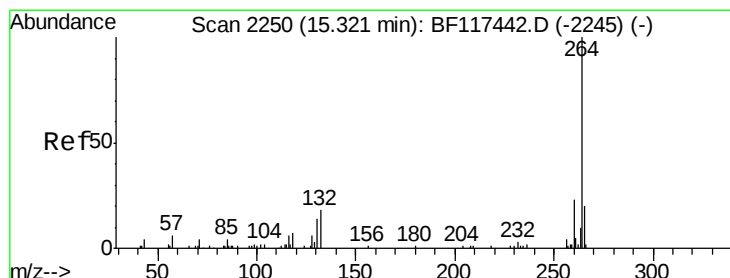
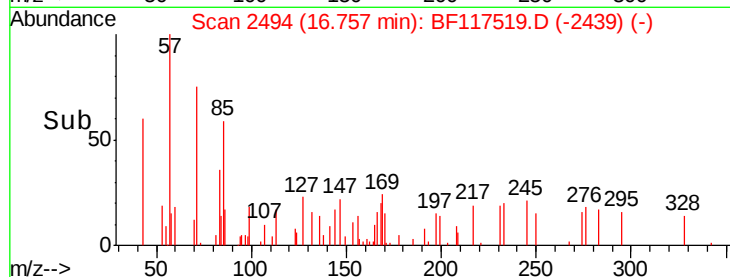
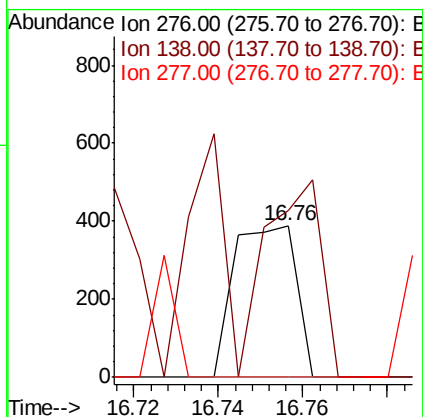
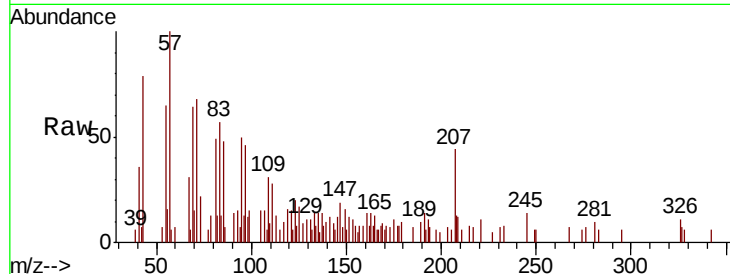




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 0.079 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. 0.02 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

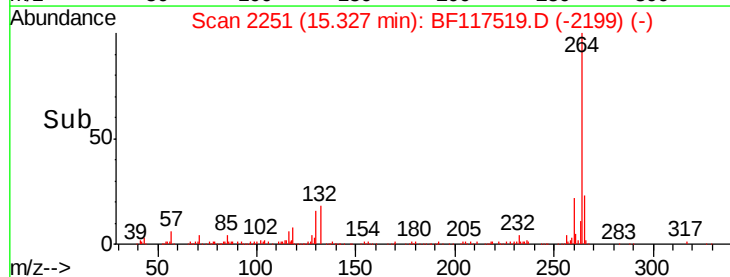
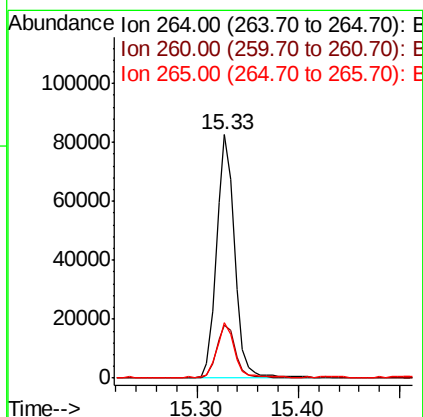
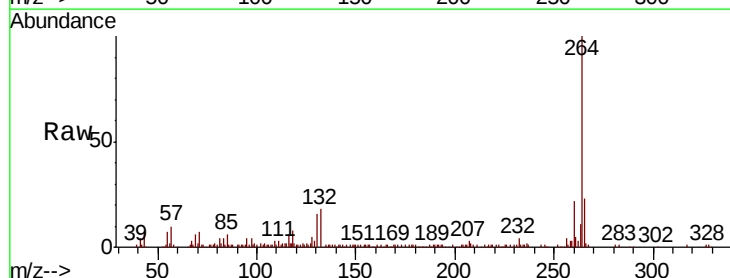
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-102319

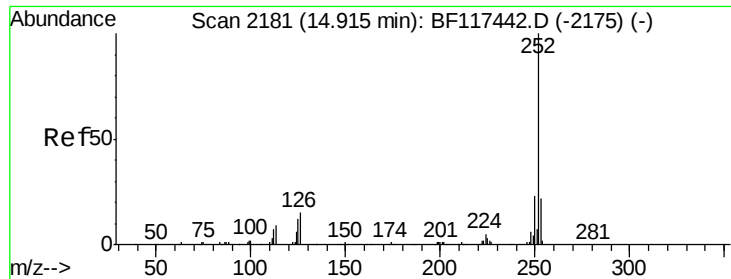
Tot Ion:276 Resp: 398
 Ion Ratio Lower Upper
 276 100
 138 116.8 21.8 32.8#
 277 0.0 20.0 30.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117519.D
 Acq: 24 Oct 2019 19:20

Tgt Ion:264 Resp: 102818
 Ion Ratio Lower Upper
 264 100
 260 21.9 18.4 27.6
 265 23.0 16.1 24.1





#88

Benzo(b)fluoranthene

Concen: 0.390 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

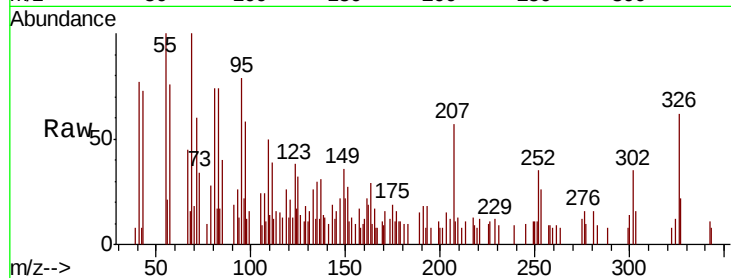
Tot Ion:252 Resp: 2368

Ion Ratio Lower Upper

252 100

253 74.4 17.8 26.6#

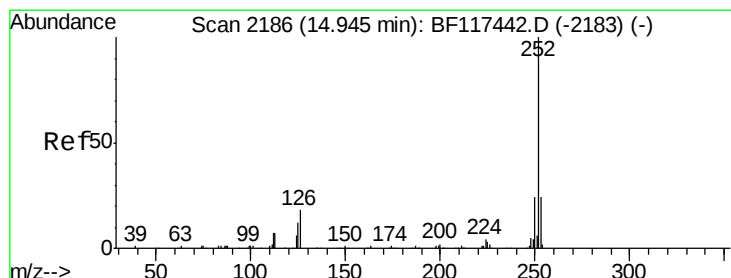
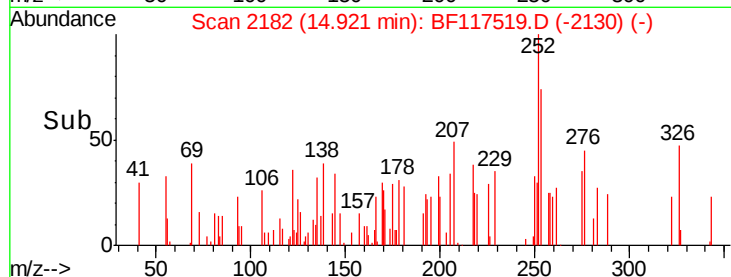
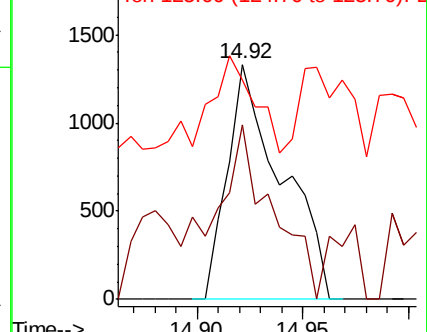
125 93.5 9.9 14.9#



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



#89

Benzo(k)fluoranthene

Concen: 0.381 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

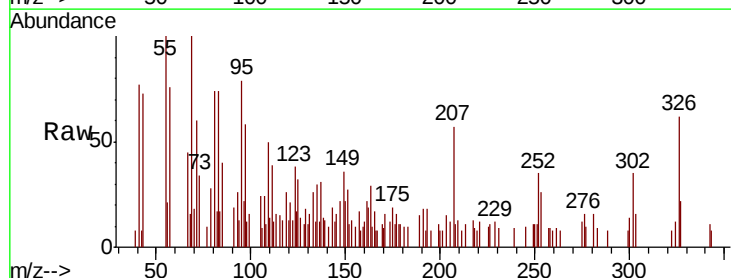
Tgt Ion:252 Resp: 2368

Ion Ratio Lower Upper

252 100

253 74.4 18.0 27.0#

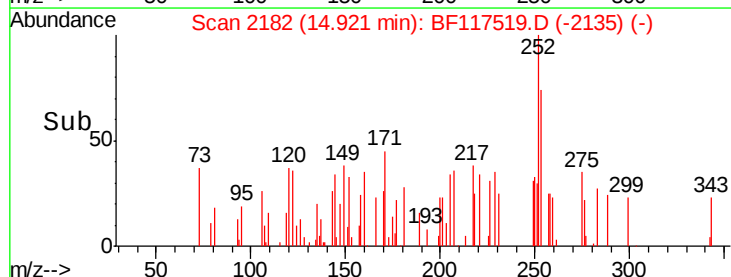
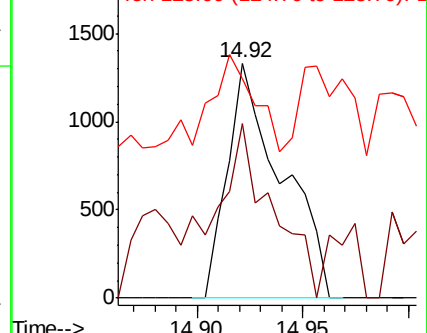
125 93.5 8.9 13.3#

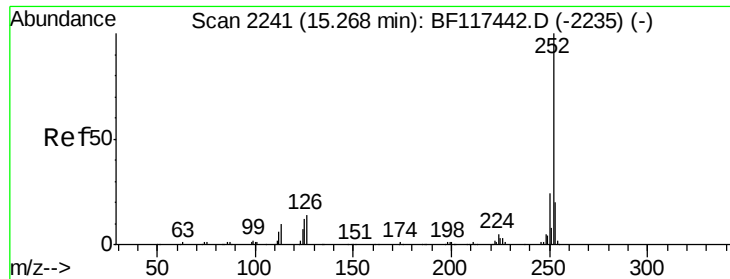


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 0.222 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

Instrument :

BNA_F

ClientSampleId :

HD-02-102319

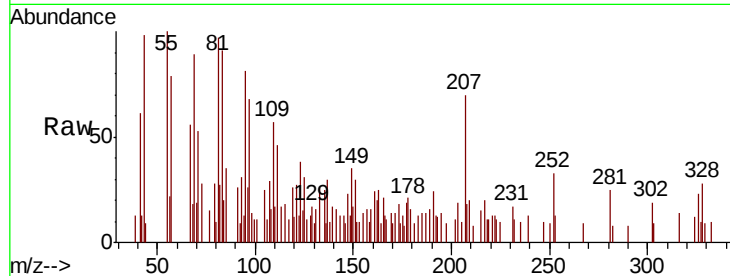
Tot Ion:252 Resp: 1224

Ion Ratio Lower Upper

252 100

253 38.8 16.3 24.5#

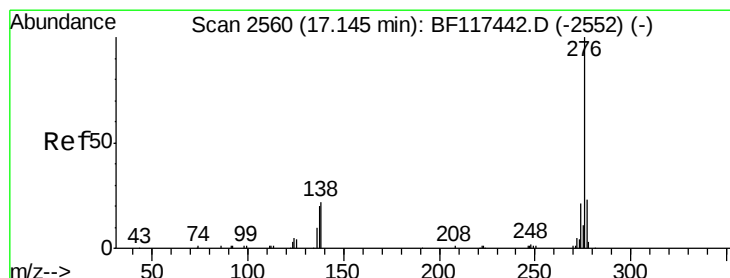
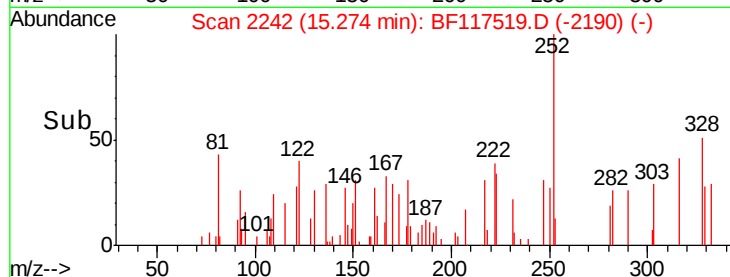
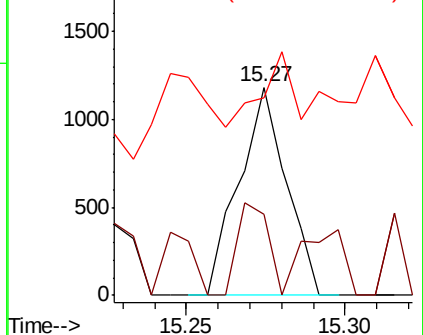
125 95.1 9.2 13.8#



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



#92

Benzo(g,h,i)perylene

Concen: 0.064 ng

RT: 17.17 min Scan# 2565

Delta R.T. 0.03 min

Lab File: BF117519.D

Acq: 24 Oct 2019 19:20

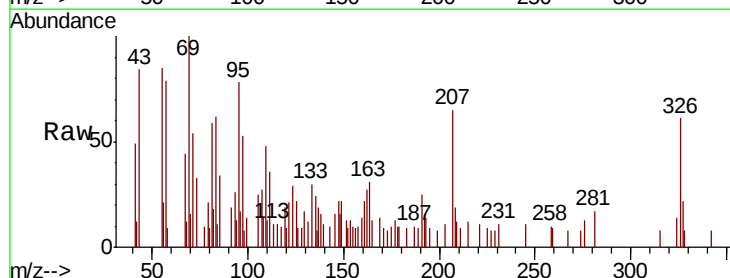
Tgt Ion:276 Resp: 287

Ion Ratio Lower Upper

276 100

277 0.0 18.4 27.6#

138 123.7 17.8 26.6#



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

