

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052119\
 Data File : BF114456.D
 Acq On : 21 May 2019 15:25
 Operator : JU/SJ
 Sample : K2854-02 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 21 16:03:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	261912	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	934299	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	397172	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	623095	20.00	ng	0.01
76) Chrysene-d12	14.03	240	342629	20.00	ng	0.02
87) Perylene-d12	15.52	264	372904	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	700659	43.05	ng	-0.02
7) Phenol-d6	6.47	99	965481	50.16	ng	-0.02
23) Nitrobenzene-d5	7.39	82	574224	34.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	157626	38.39	ng	0.01
45) 2-Fluorobiphenyl	9.19	172	920173	35.05	ng	0.00
79) Terphenyl-d14	12.95	244	545560	32.82	ng	0.01

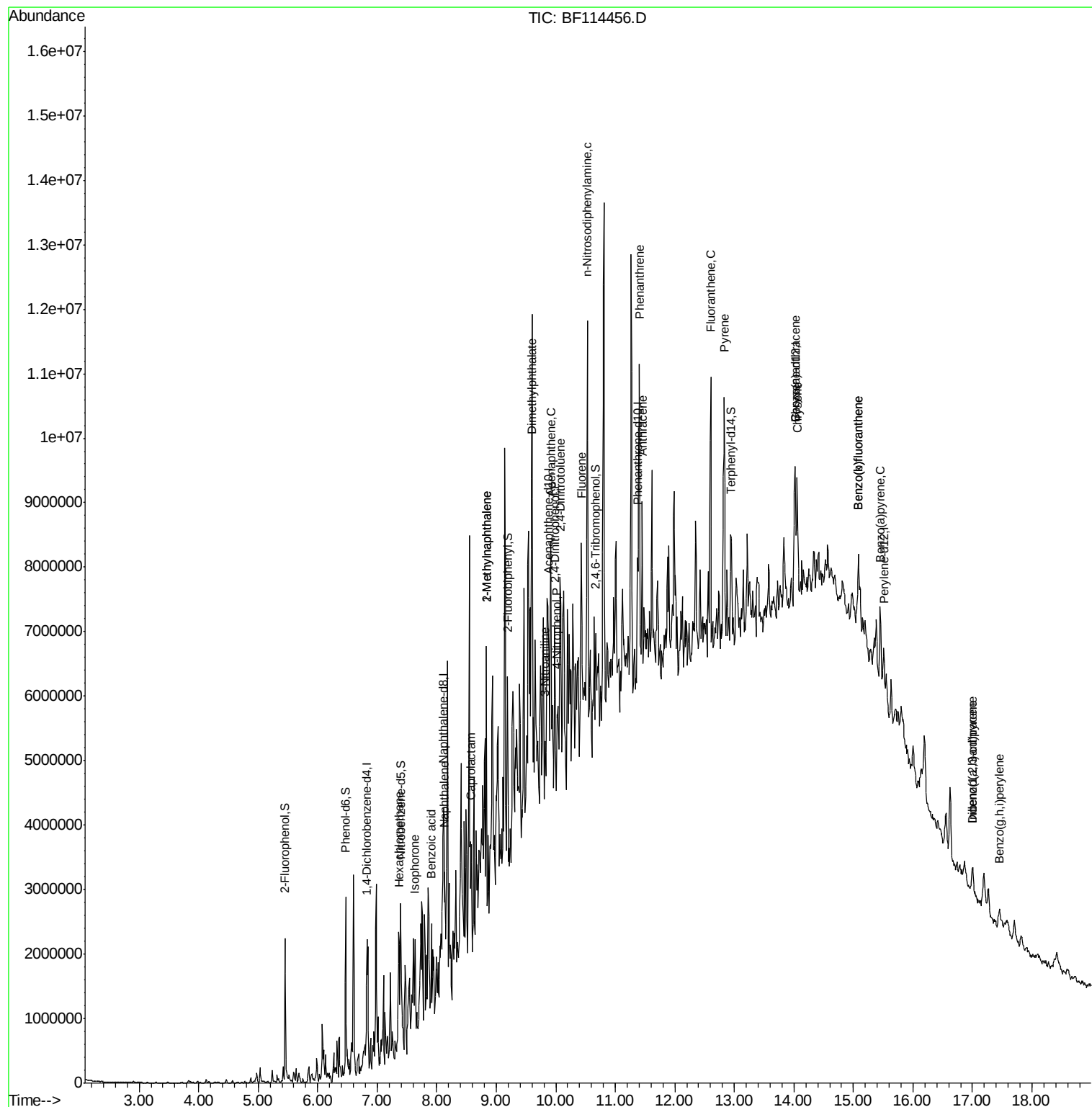
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.36	117	70683	9.582	ng	# 1
25) Isophorone	7.64	82	77646	2.515	ng	# 1
31) Naphthalene	8.13	128	437615	10.027	ng	# 96
32) Benzoic acid	7.91	122	11423	8.079	ng	# 15
35) Caprolactam	8.57	113	13304	3.171	ng	# 1
37) 2-Methylnaphthalene	8.83	142	1232164	43.759	ng	98
38) 1-Methylnaphthalene	8.83	142	1232164	46.467	ng	96
50) Dimethylphthalate	9.59	163	128877	4.420	ng	# 59
52) Acenaphthene	9.91	154	639746	26.545	ng	97
53) 3-Nitroaniline	9.83	138	18573	2.314	ng	# 32
54) 2,4-Dinitrophenol	9.99	184	1368	7.130	ng	# 1
56) 4-Nitrophenol	10.02	139	12572	2.215	ng	# 1
57) 2,4-Dinitrotoluene	10.08	165	31922	3.637	ng	# 51
58) Fluorene	10.43	166	716790	26.259	ng	# 99
66) n-Nitrosodiphenylamine	10.54	169	223885	11.839	ng	# 57
71) Phenanthrene	11.40	178	3416202	112.693	ng	98
72) Anthracene	11.45	178	1441706	47.350	ng	98
75) Fluoranthene	12.60	202	3614505	110.723	ng	97
78) Pyrene	12.83	202	3097901	112.394	ng	97
81) Benzo(a)anthracene	14.02	228	1359689	61.355	ng	96
83) Chrysene	14.06	228	1121251	51.613	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	277027	14.429	ng	95
88) Benzo(b)fluoranthene	15.09	252	1478993	61.908	ng	# 88
89) Benzo(k)fluoranthene	15.09	252	1478993	67.393	ng	# 89
90) Benzo(a)pyrene	15.46	252	736131	35.011	ng	# 88
91) Dibenzo(a,h)anthracene	17.00	278	82840	4.742	ng	# 58
92) Benzo(g,h,i)perylene	17.45	276	242719	13.863	ng	# 92

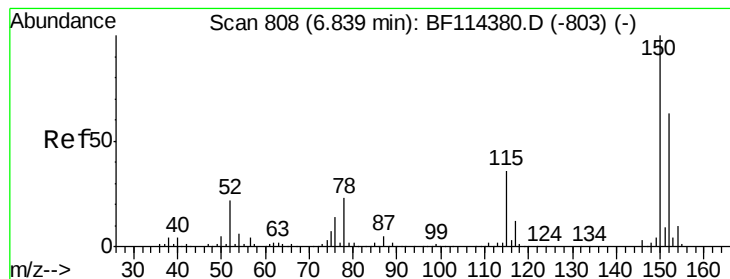
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 9 Sample Multiplier: 1

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BNA_E
ClientSampled :

Quant Time: May 21 16:03:15 2019
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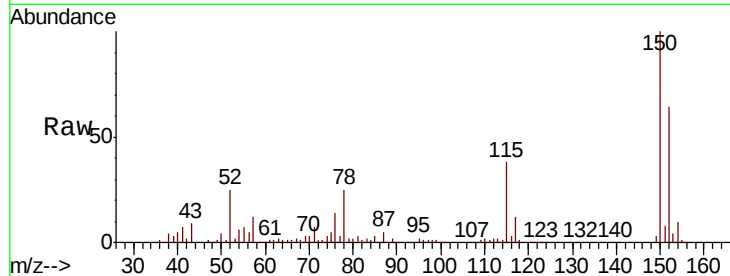


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.3	186.5
115	60.3	49.1	73.7

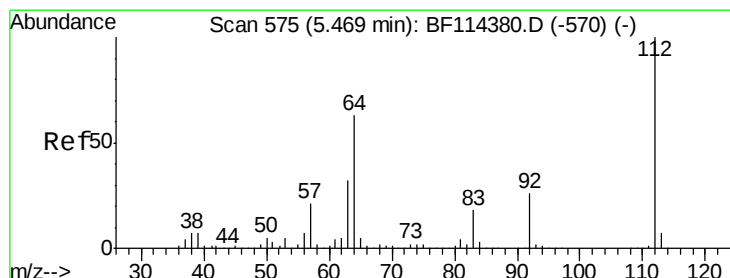
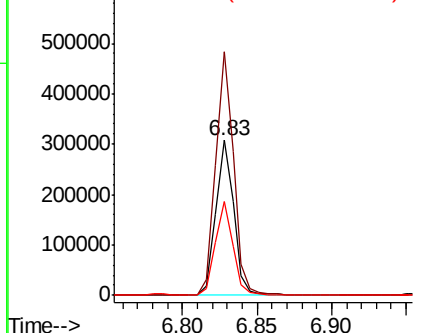
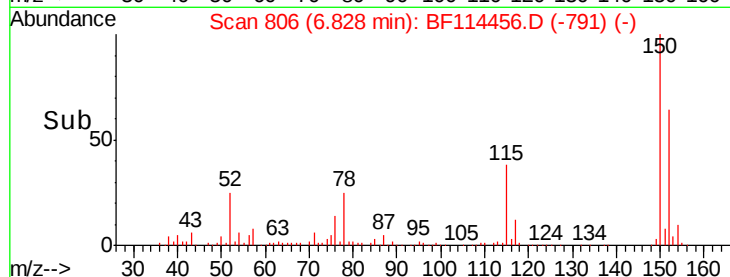


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

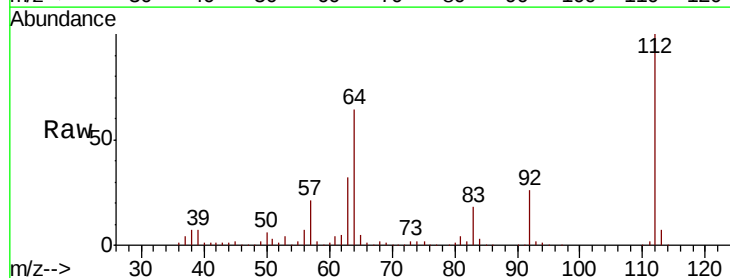
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 43.050 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.02 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	49.0	73.6
63	32.2	24.6	37.0

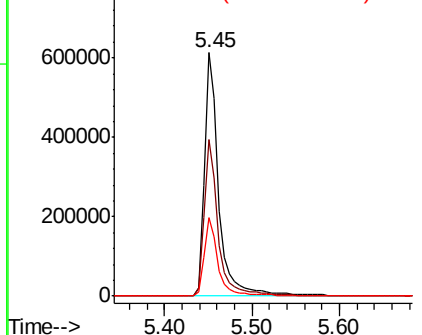
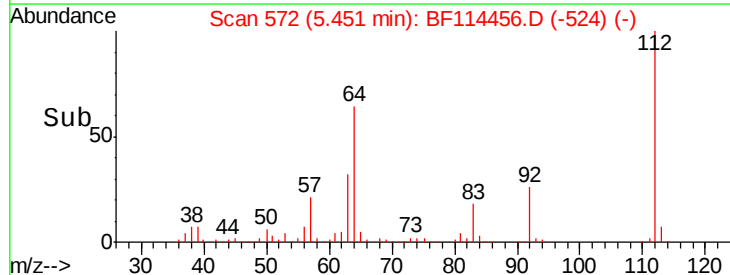


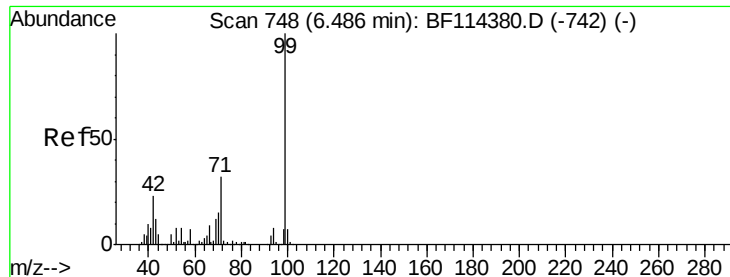
Abundance

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: 50.157 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

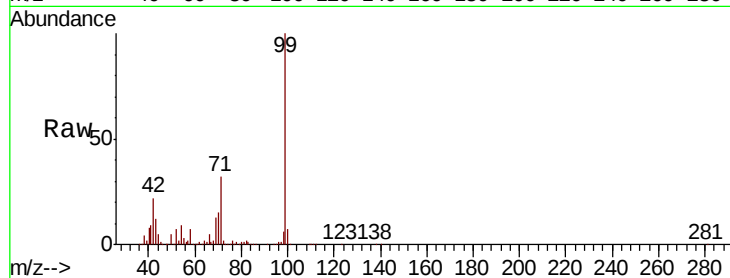
Tot Ion: 99 Resp: 965481

Ion Ratio Lower Upper

99 100

42 22.0 17.9 26.9

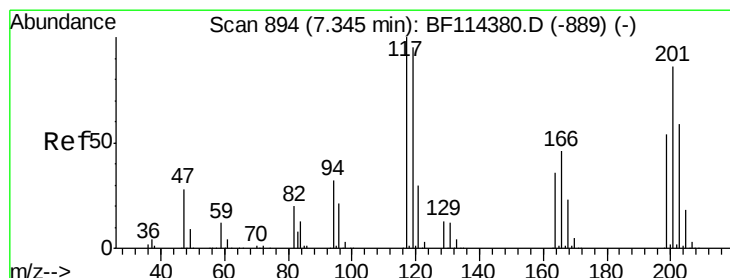
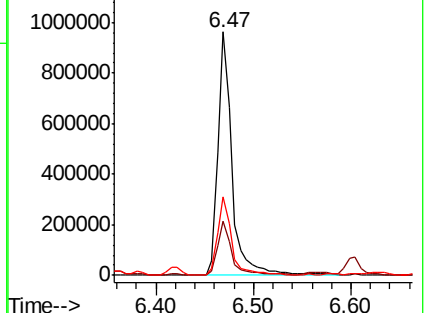
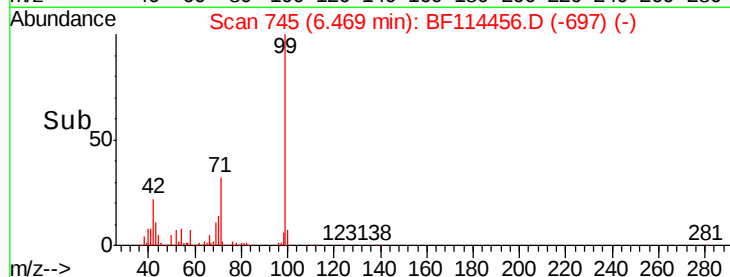
71 32.1 26.2 39.2



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



#18

Hexachloroethane

Concen: 9.582 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

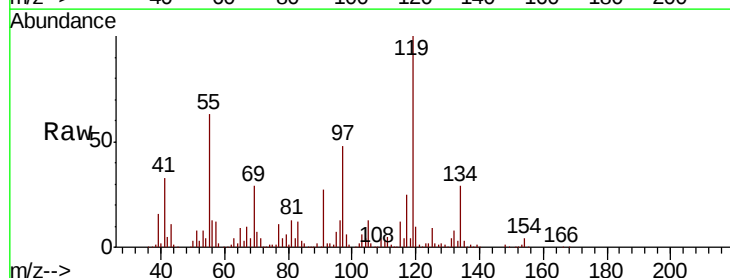
Tgt Ion: 117 Resp: 70683

Ion Ratio Lower Upper

117 100

119 398.9 77.4 116.2#

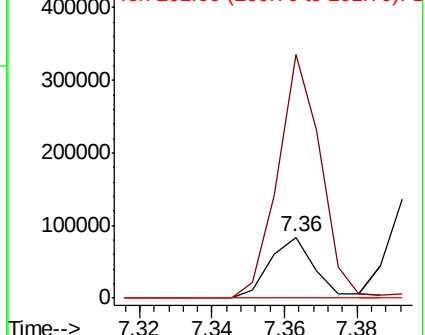
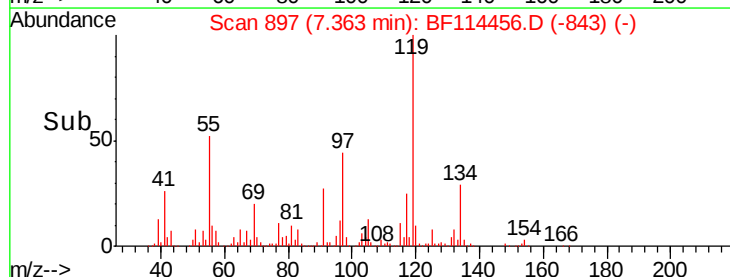
201 0.0 74.5 111.7#

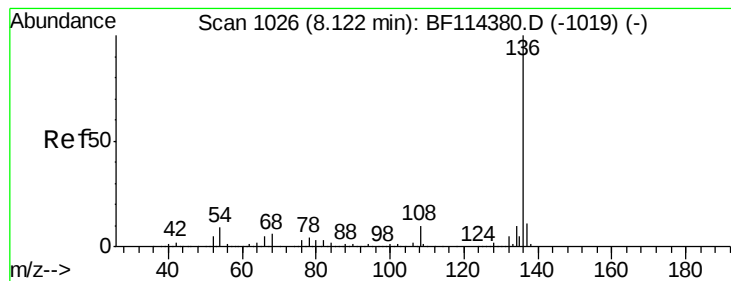


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 934299

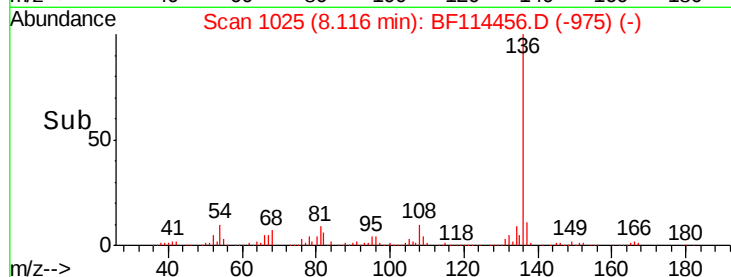
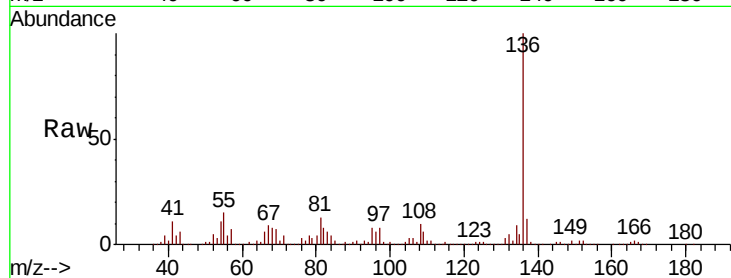
Ion Ratio Lower Upper

136 100

137 11.8 8.8 13.2

54 10.7 7.8 11.8

68 7.8 5.1 7.7#

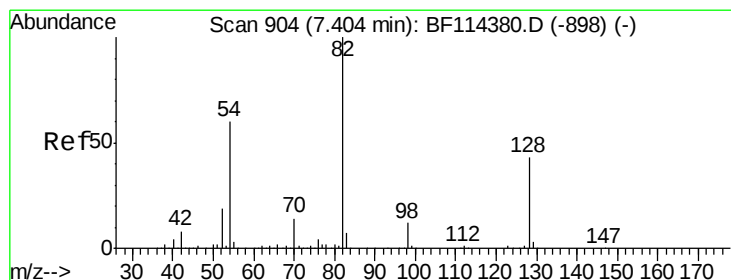
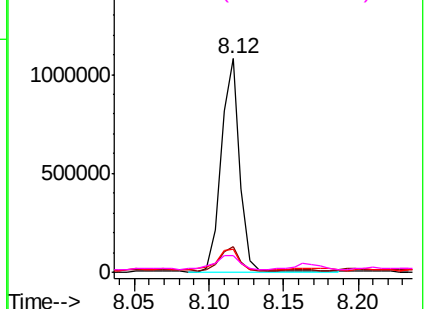


Abundance Ion 136.00 (135.70 to 136.70): E

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: 34.492 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

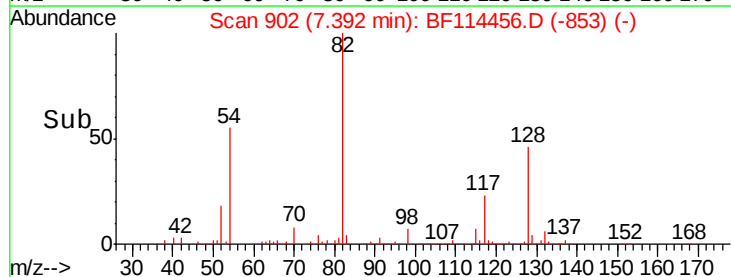
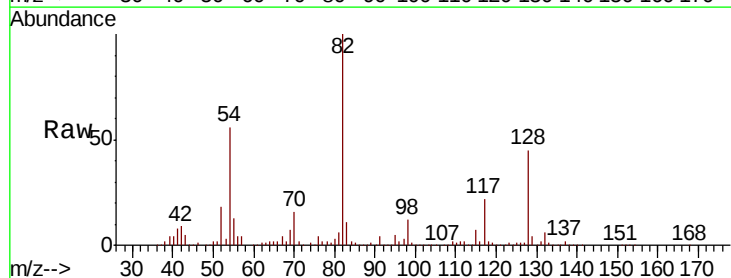
Tgt Ion: 82 Resp: 574224

Ion Ratio Lower Upper

82 100

128 45.4 35.5 53.3

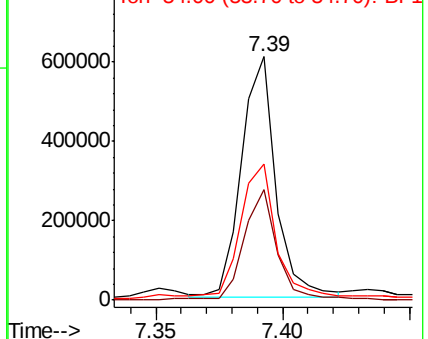
54 55.7 48.5 72.7

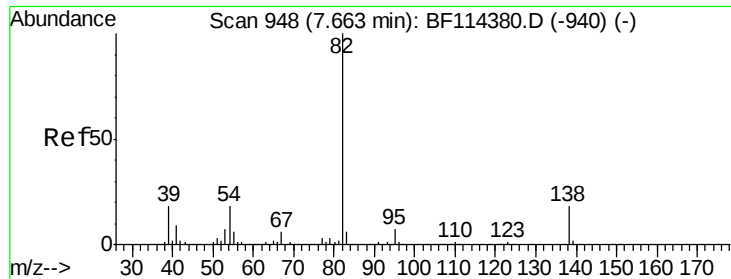


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.515 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampled :

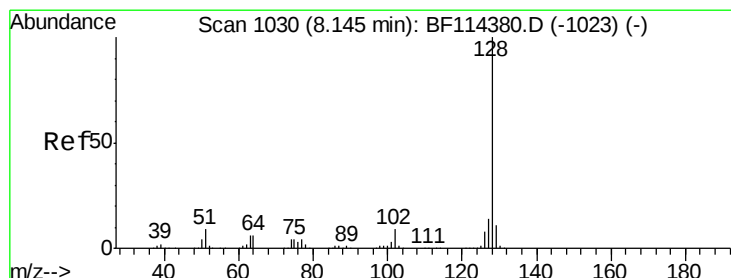
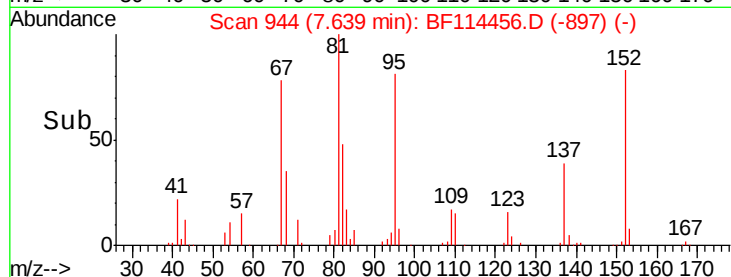
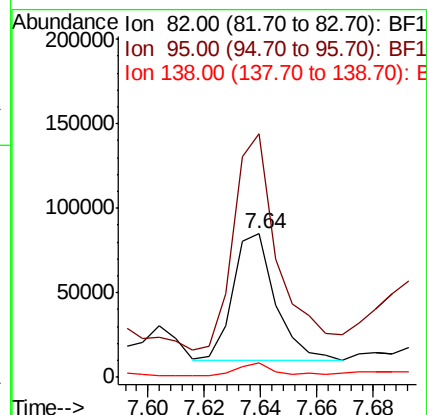
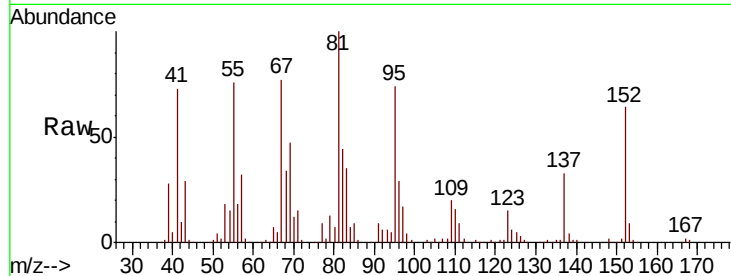
Tot Ion: 82 Resp: 77646

Ion Ratio Lower Upper

82 100

95 169.5 5.6 8.4#

138 10.0 14.8 22.2#



#31

Naphthalene

Concen: 10.027 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

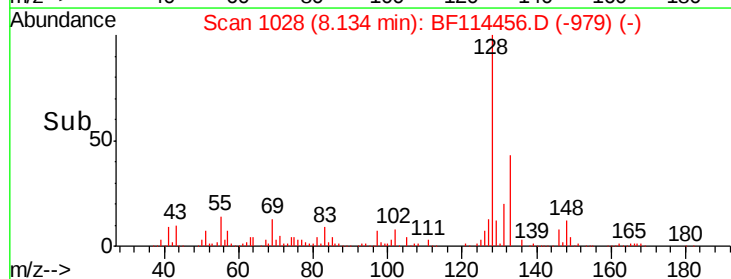
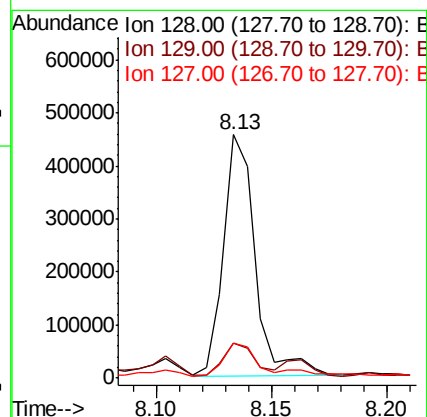
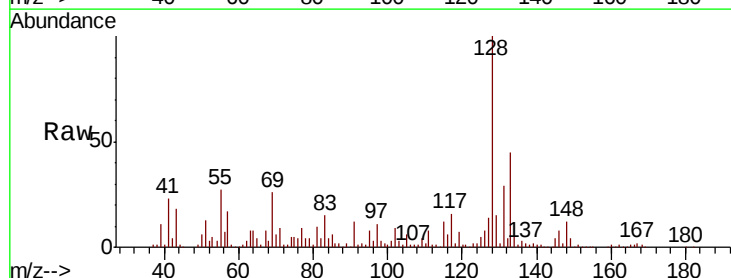
Tgt Ion: 128 Resp: 437615

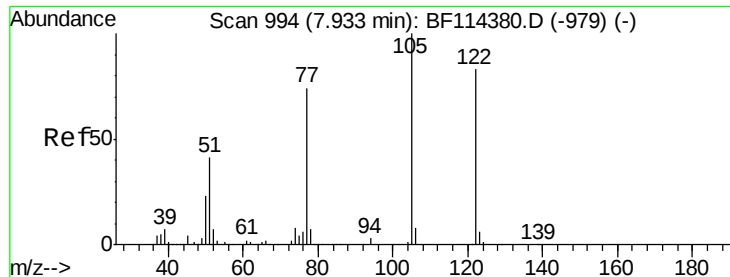
Ion Ratio Lower Upper

128 100

129 14.6 9.6 14.4#

127 14.5 11.3 16.9

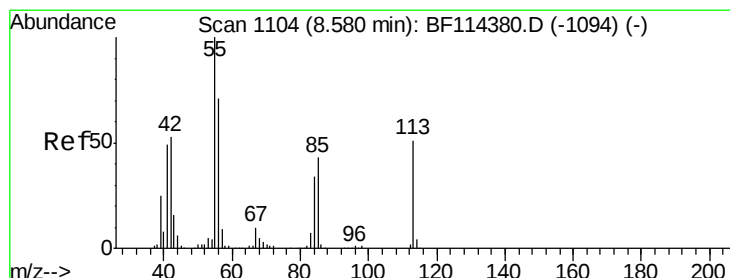
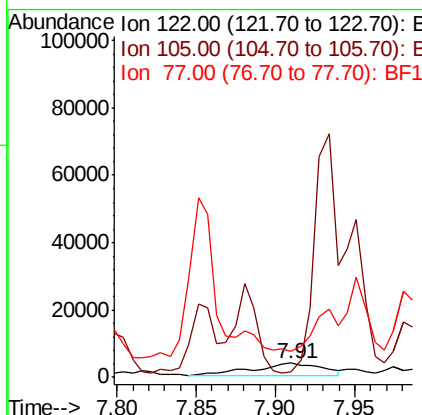
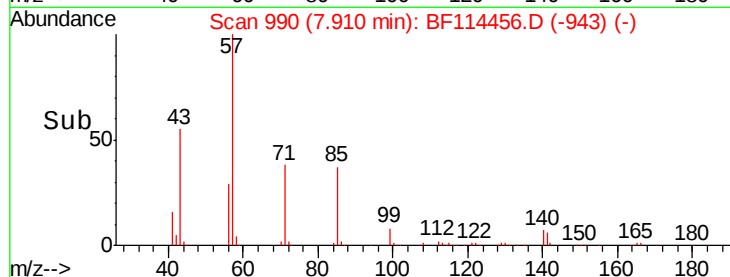
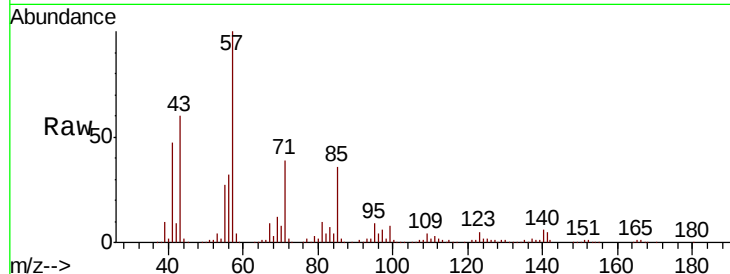




#32
Benzoic acid
Concen: 8.079 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

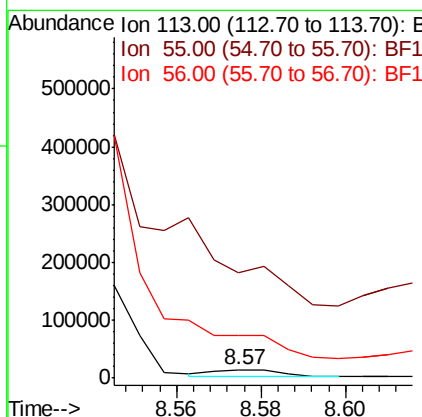
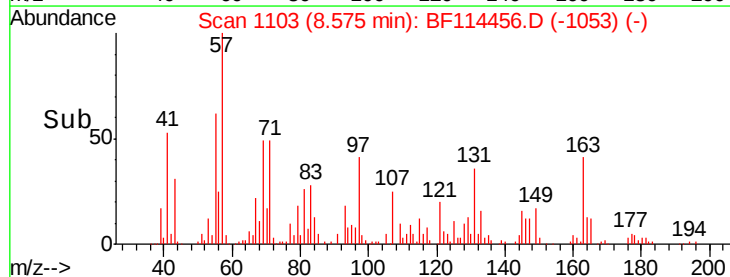
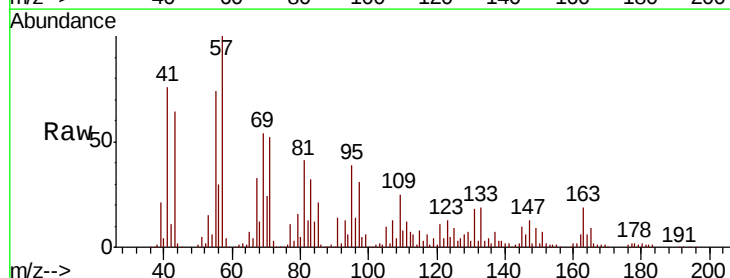
Instrument :
BNA_E
ClientSampleId :

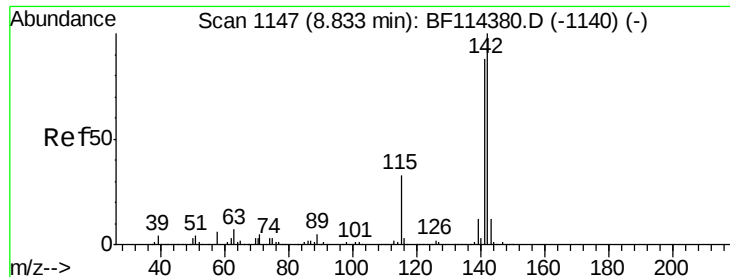
Tot Ion:122 Resp: 11423
Ion Ratio Lower Upper
122 100
105 40.9 99.9 139.9#
77 187.3 69.4 109.4#



#35
Caprolactam
Concen: 3.171 ng
RT: 8.57 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion:113 Resp: 13304
Ion Ratio Lower Upper
113 100
55 1291.8 183.5 223.5#
56 526.7 128.8 168.8#

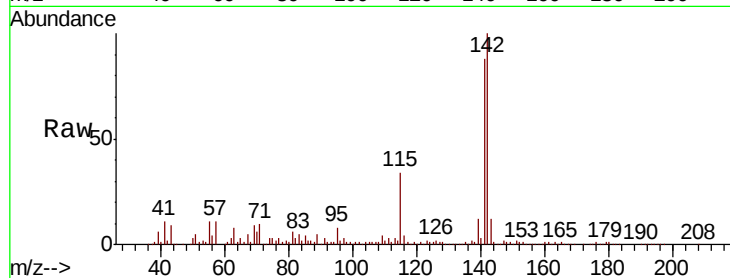




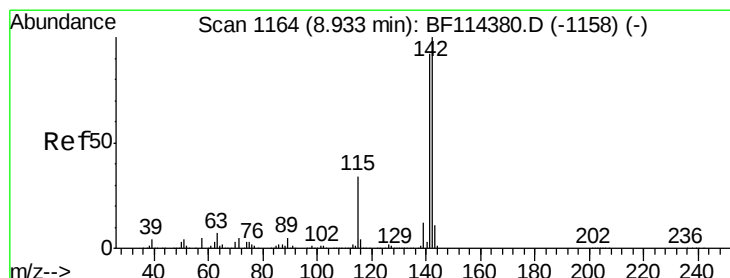
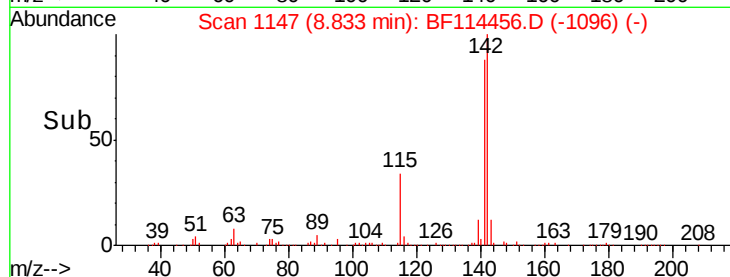
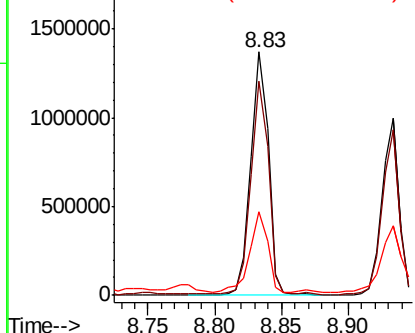
#37
 2-Methylnaphthalene
 Concen: 43.759 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:142 Resp: 1232164
 Ion Ratio Lower Upper
 142 100
 141 88.1 72.1 108.1
 115 34.4 28.0 42.0

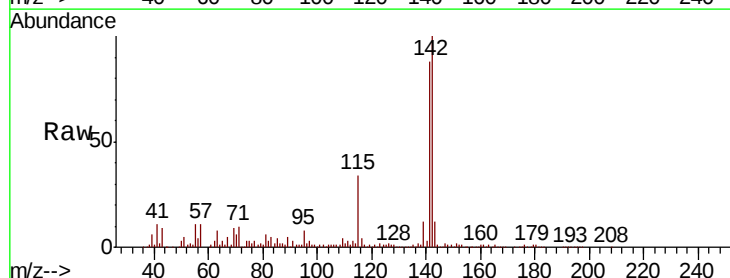


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

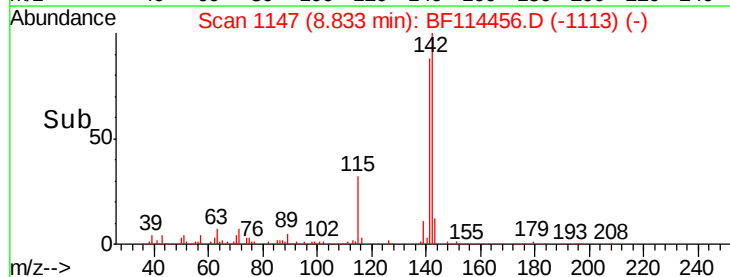
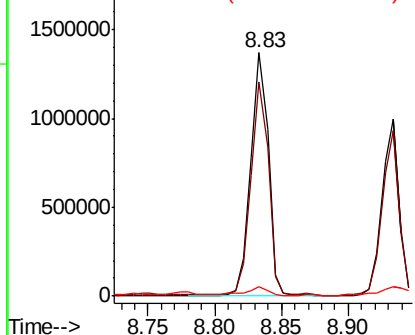


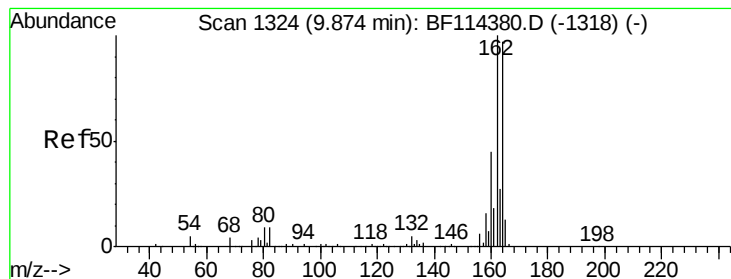
#38
 1-Methylnaphthalene
 Concen: 46.467 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.10 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion:142 Resp: 1232164
 Ion Ratio Lower Upper
 142 100
 141 88.1 73.4 110.0
 116 3.9 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

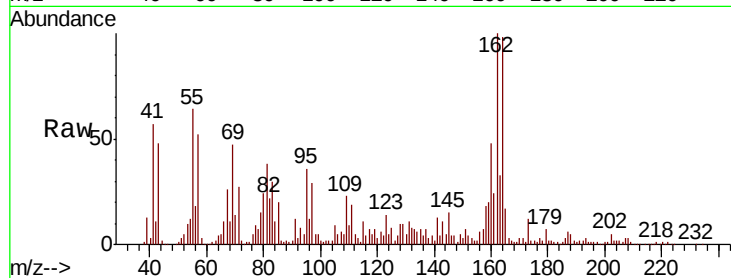
Tot Ion:164 Resp: 397172

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

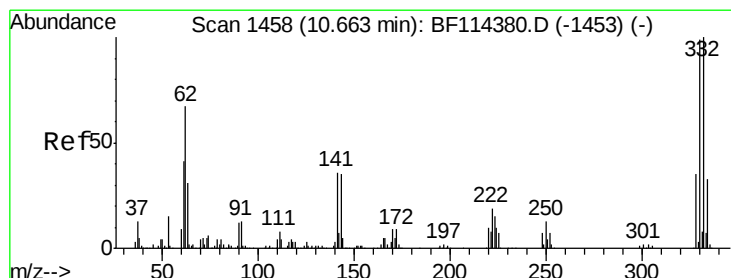
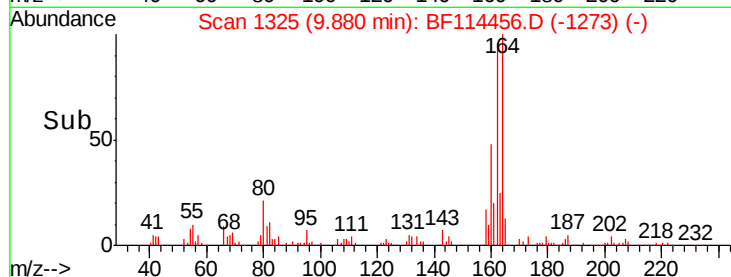
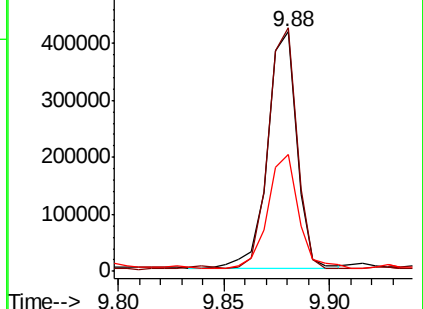
160 49.0 36.5 54.7



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: 38.388 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

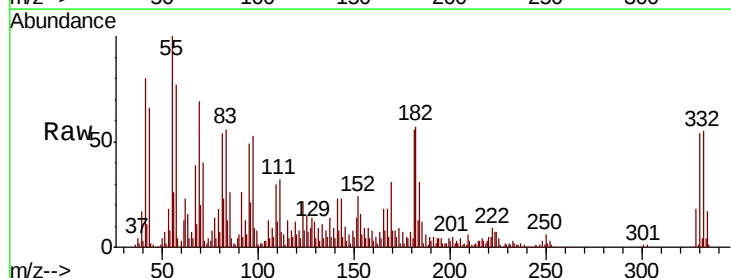
Tgt Ion:330 Resp: 157626

Ion Ratio Lower Upper

330 100

332 102.7 81.4 122.2

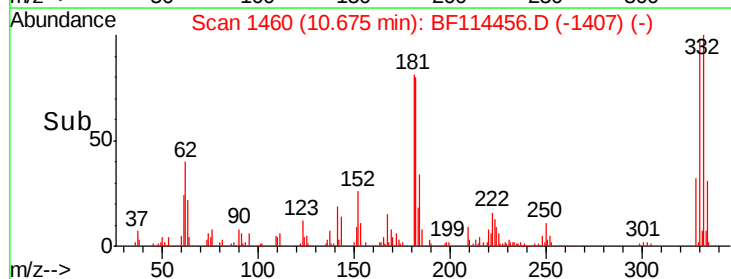
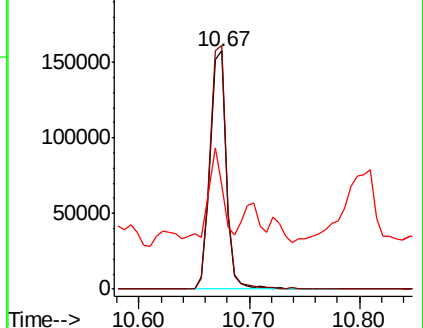
141 27.7 26.6 40.0

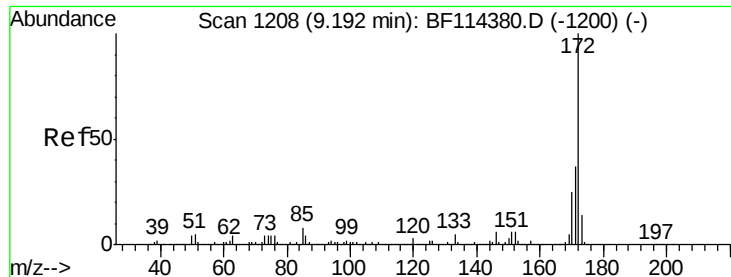


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

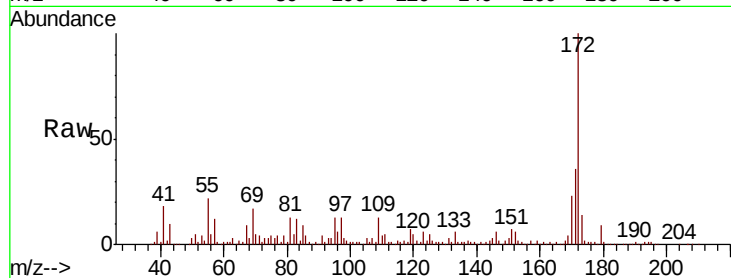




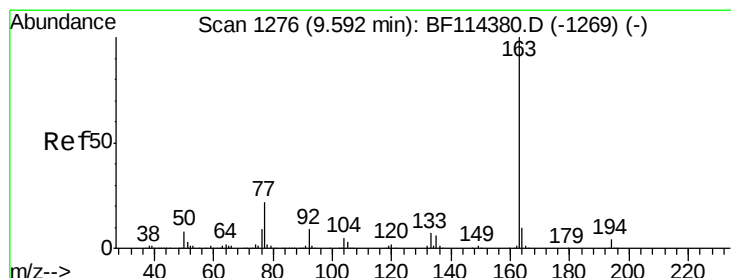
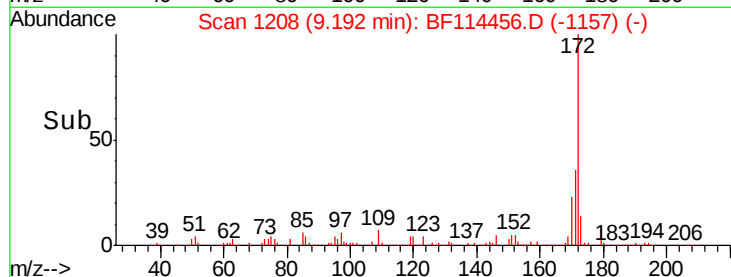
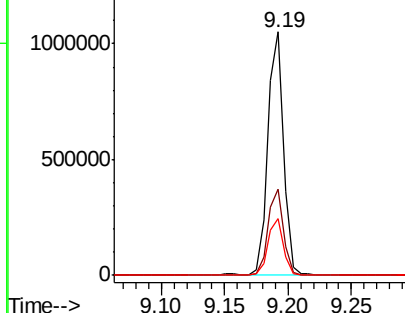
#45
 2-Fluorobiphenyl
 Concen: 35.046 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:	172	Resp:	920173
Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.7	46.1
170	23.5	20.5	30.7

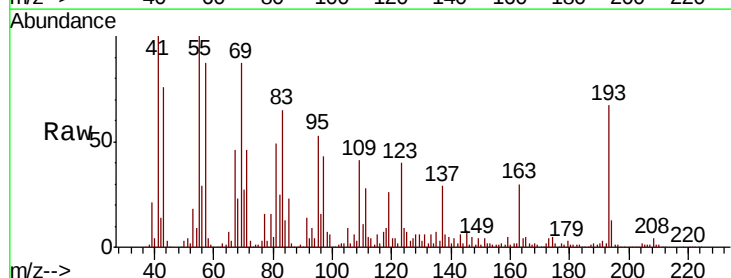


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

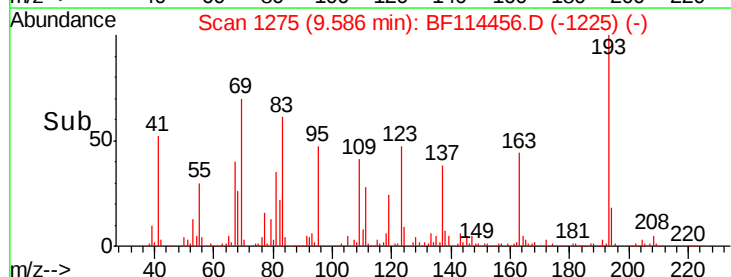
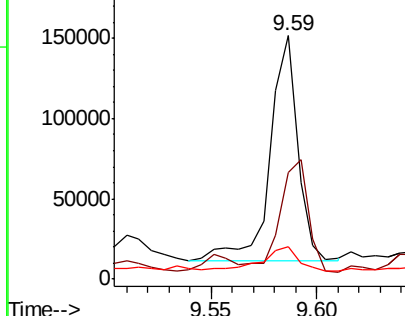


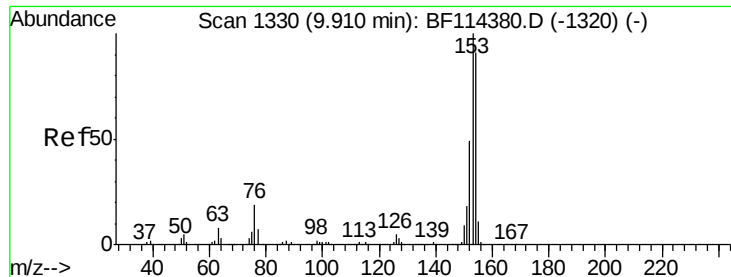
#50
 Dimethylphthalate
 Concen: 4.420 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion:	163	Resp:	128877
Ion	Ratio	Lower	Upper
163	100		
194	43.7	3.4	5.0#
164	13.5	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





#52

Acenaphthene

Concen: 26.545 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

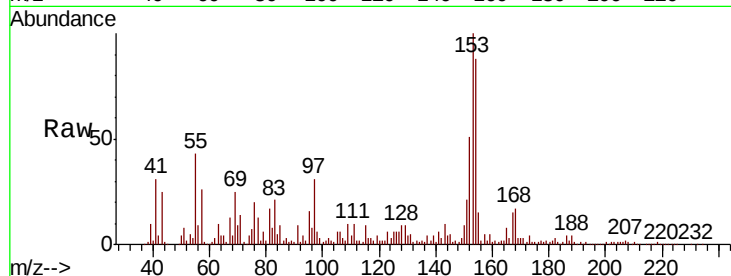
Tot Ion:154 Resp: 639746

Ion Ratio Lower Upper

154 100

153 114.1 90.5 135.7

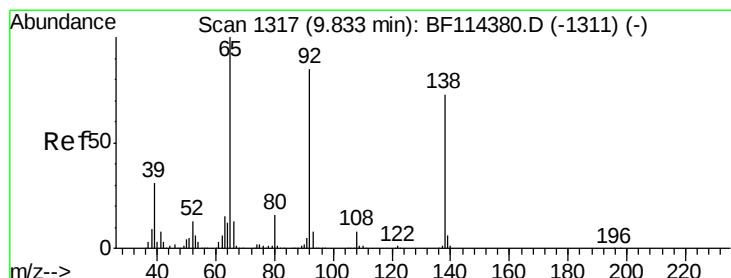
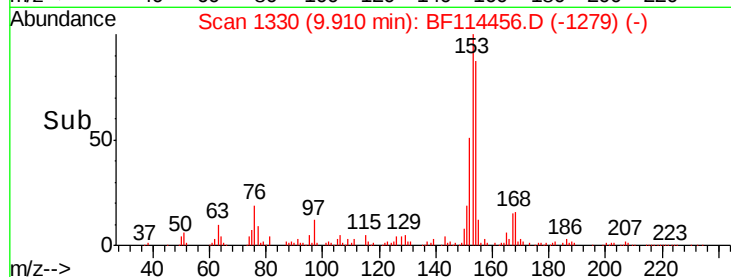
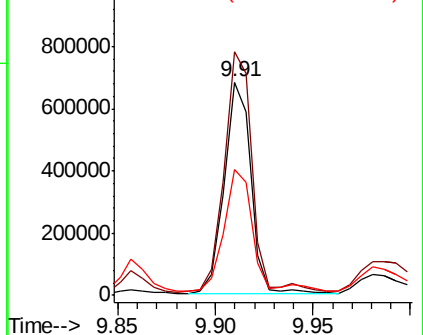
152 58.7 43.4 65.2



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



#53

3-Nitroaniline

Concen: 2.314 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

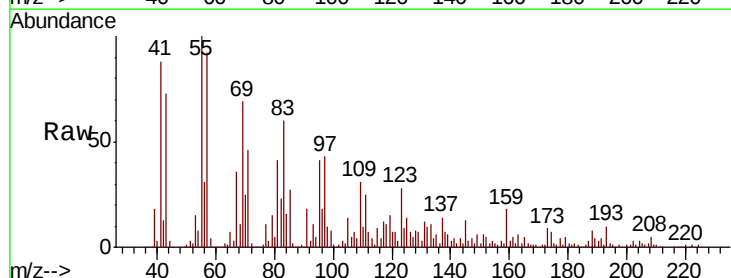
Tgt Ion:138 Resp: 18573

Ion Ratio Lower Upper

138 100

108 60.5 7.8 11.6#

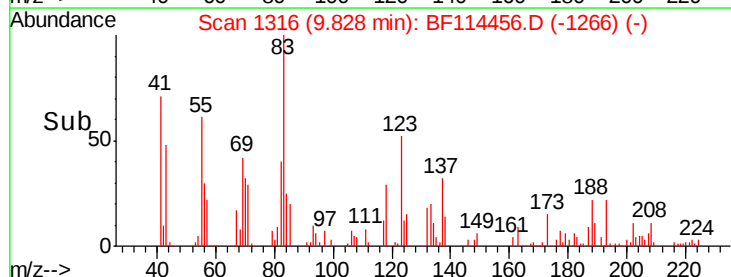
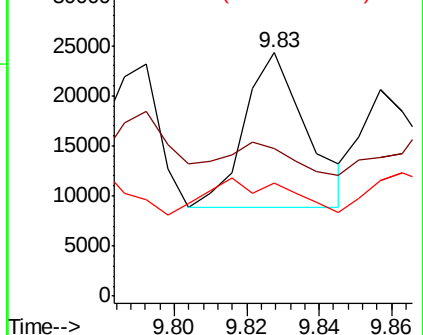
92 46.7 91.2 136.8#

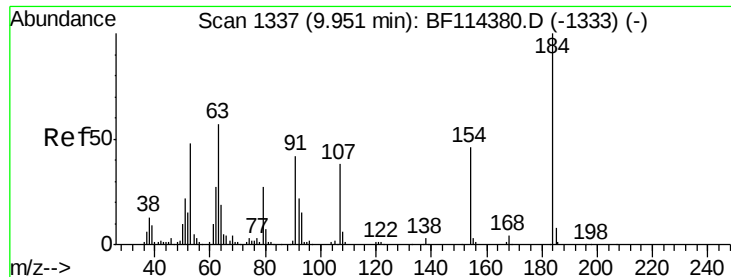


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

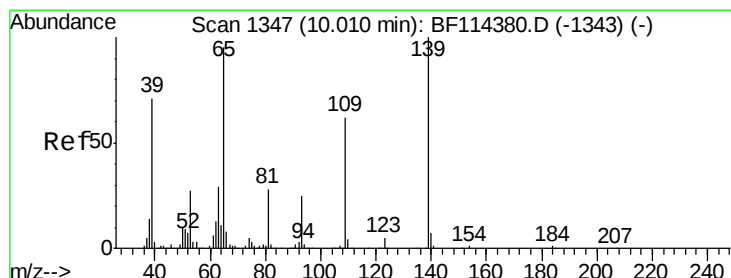
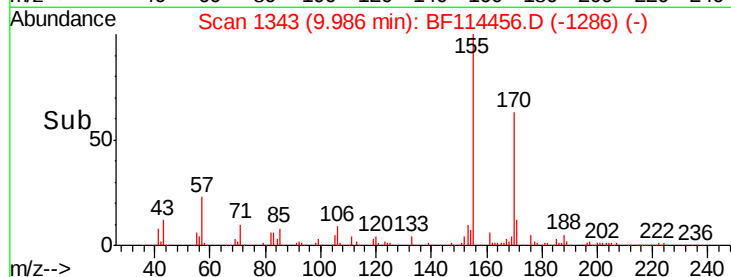
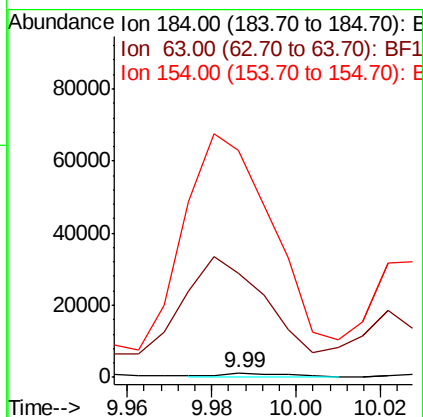
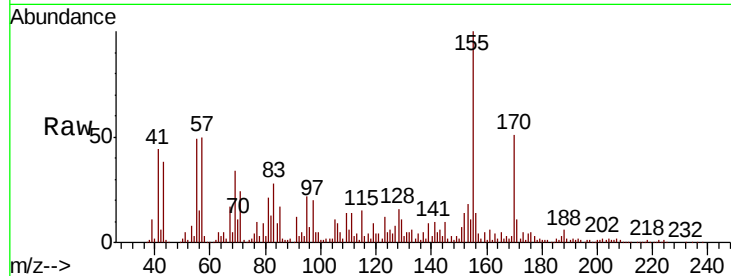




#54
 2,4-Dinitrophenol
 Concen: 7.130 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.04 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

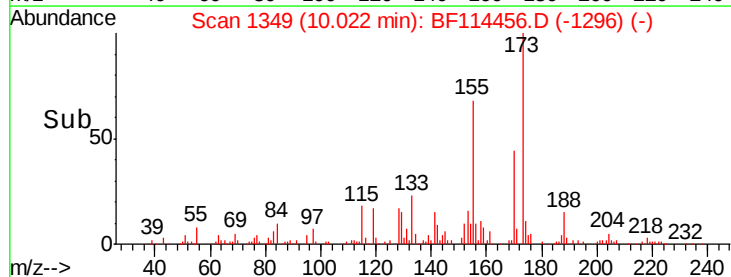
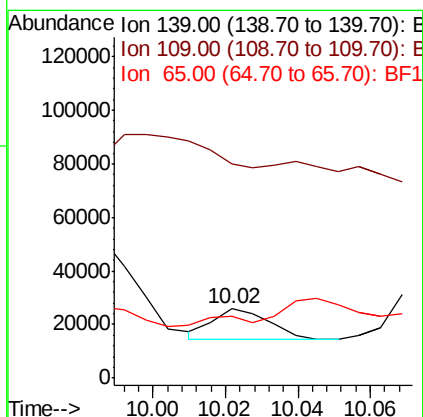
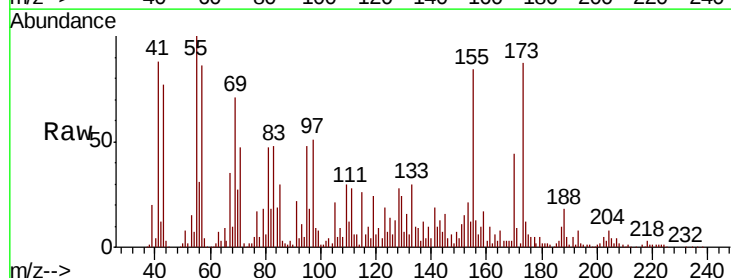
Instrument :
 BNA_E
 ClientSampled :

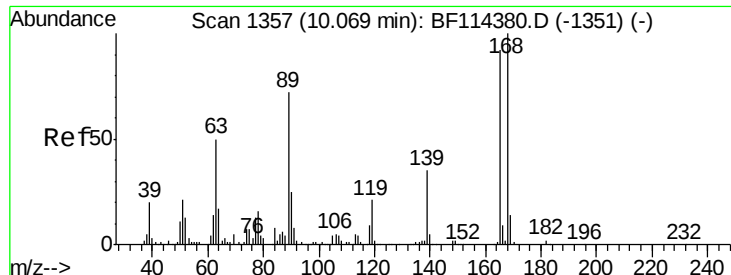
Tot Ion:184 Resp: 1368
 Ion Ratio Lower Upper
 184 100
 63 2465.9 55.6 83.4#
 154 5356.7 46.0 69.0#



#56
 4-Nitrophenol
 Concen: 2.215 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Tgt Ion:139 Resp: 12572
 Ion Ratio Lower Upper
 139 100
 109 308.7 43.9 83.9#
 65 88.7 85.7 125.7

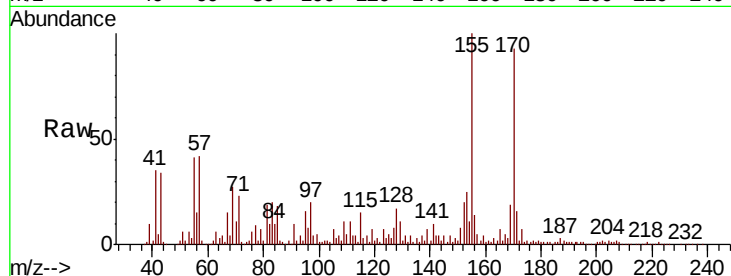




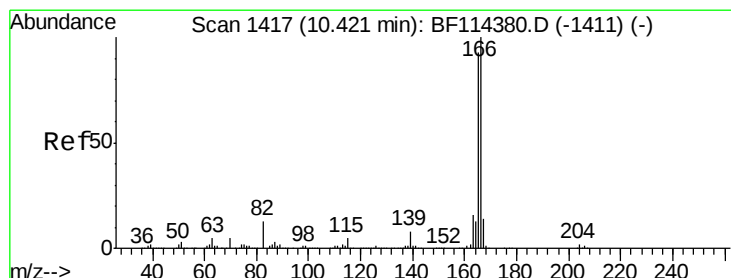
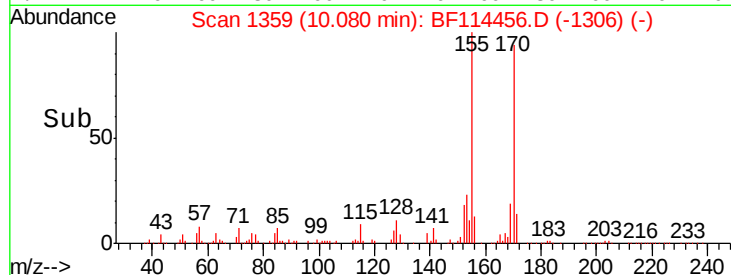
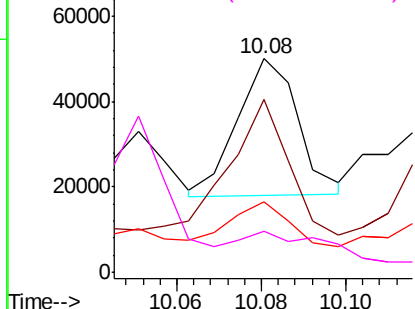
#57
2,4-Dinitrotoluene
Concen: 3.637 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 31922
Ion Ratio Lower Upper
165 100
63 80.7 35.5 53.3#
89 33.1 55.2 82.8#
182 19.0 2.2 3.2#

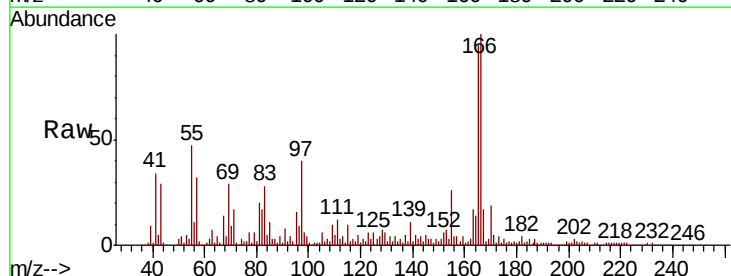


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

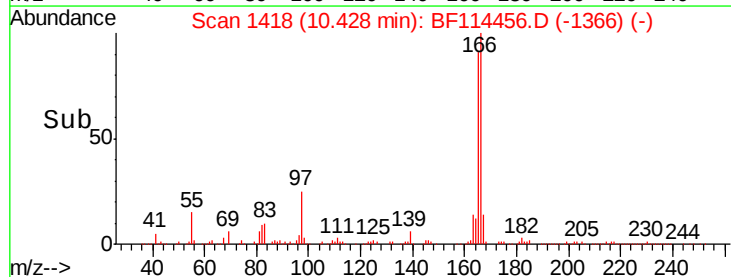
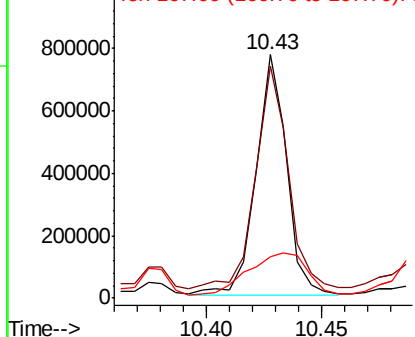


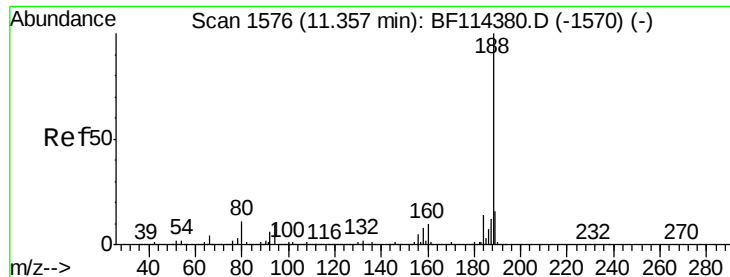
#58
Fluorene
Concen: 26.259 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion:166 Resp: 716790
Ion Ratio Lower Upper
166 100
165 95.2 76.1 114.1
167 16.9 11.1 16.7#



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: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

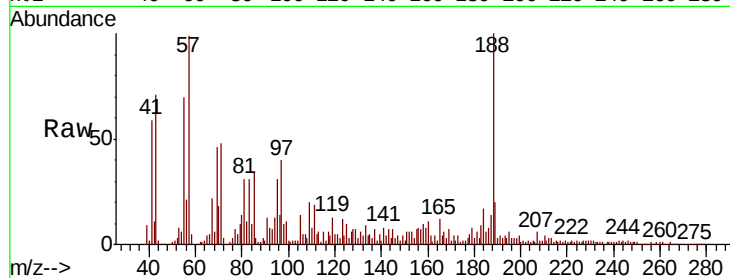
Tot Ion:188 Resp: 623095

Ion Ratio Lower Upper

188 100

94 13.2 8.4 12.6#

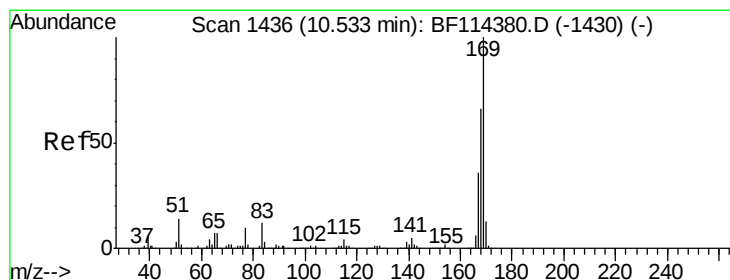
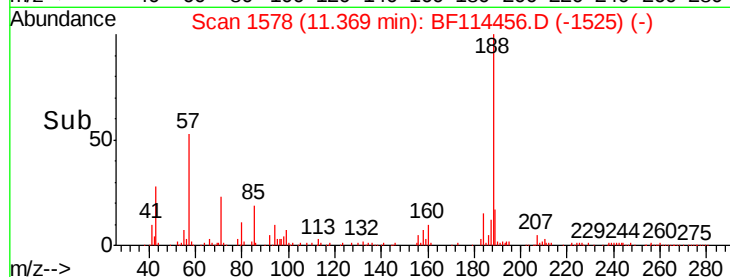
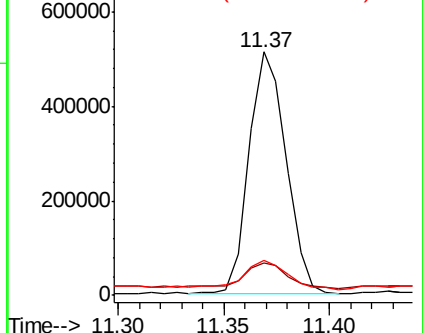
80 14.4 9.2 13.8#



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: 11.839 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

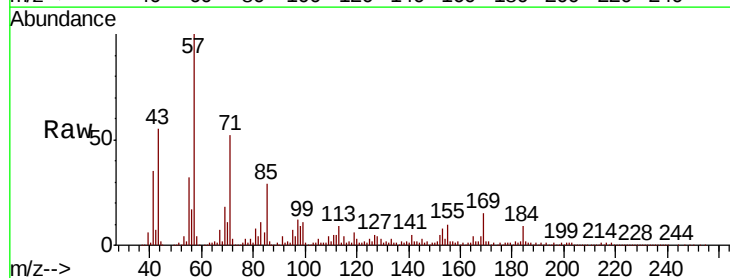
Tgt Ion:169 Resp: 223885

Ion Ratio Lower Upper

169 100

168 30.1 54.2 81.2#

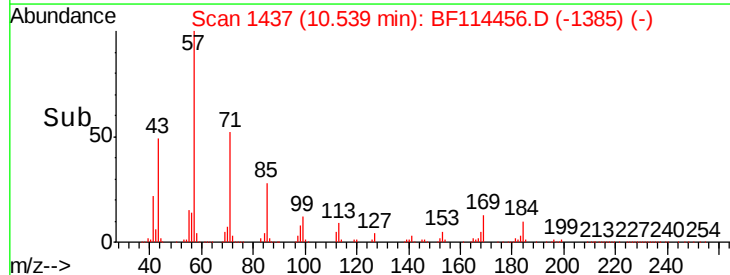
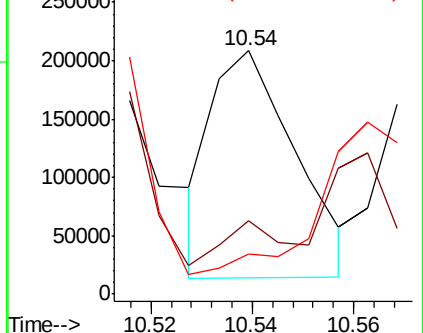
167 16.2 29.8 44.8#

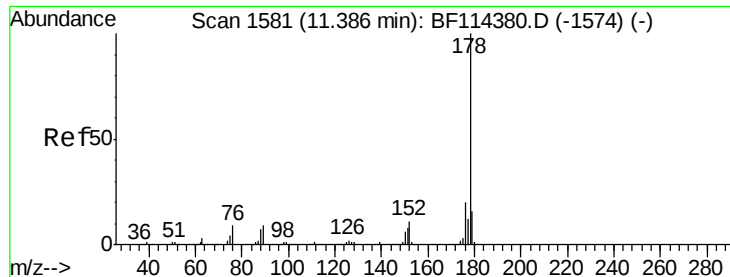


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 112.693 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

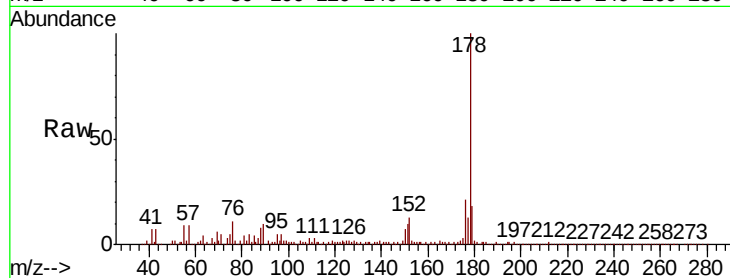
Tot Ion:178 Resp: 3416202

Ion Ratio Lower Upper

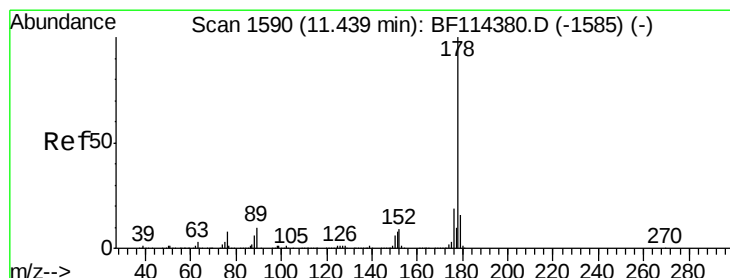
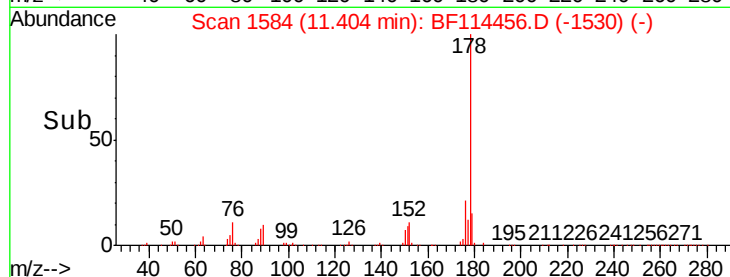
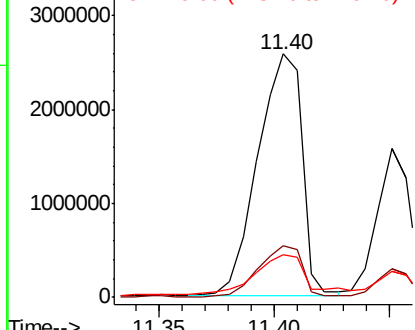
178 100

176 21.0 16.4 24.6

179 17.7 13.2 19.8



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: 47.350 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

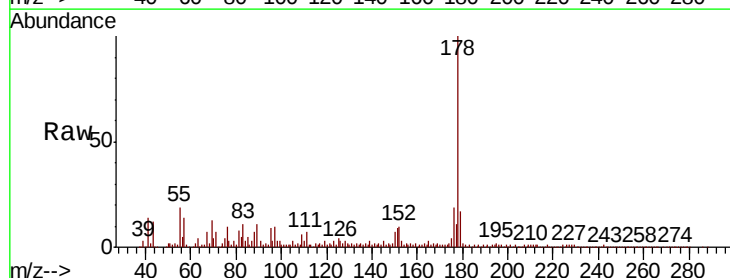
Tgt Ion:178 Resp: 1441706

Ion Ratio Lower Upper

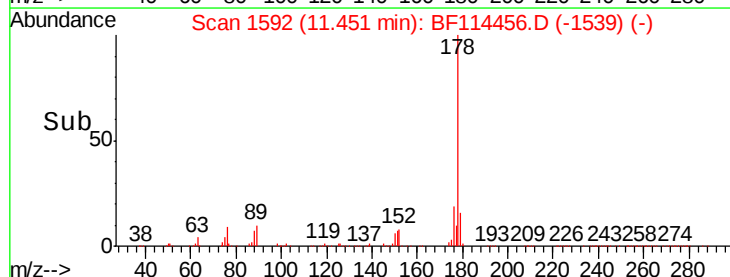
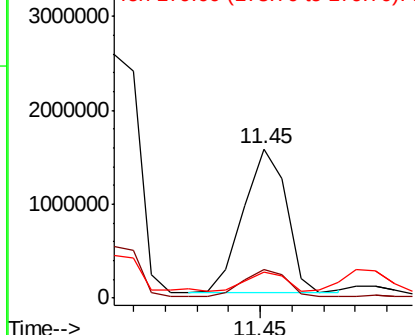
178 100

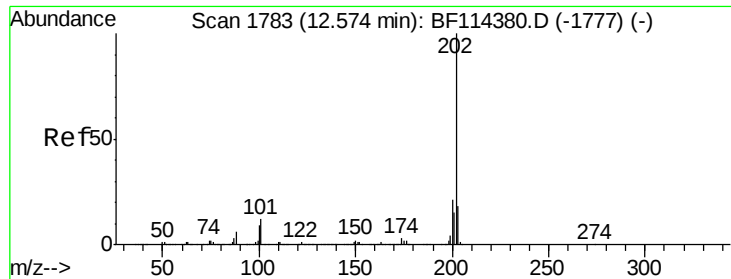
176 19.1 15.8 23.8

179 17.4 13.0 19.4



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: 110.723 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.03 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

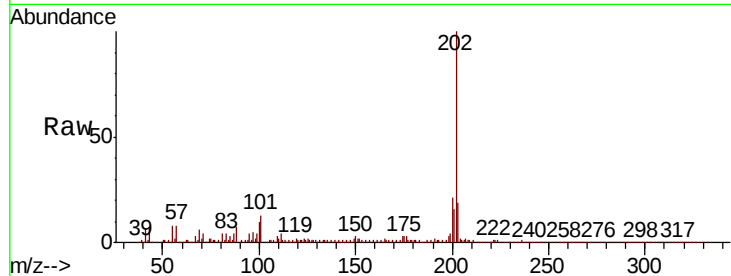
Tot Ion:202 Resp: 3614505

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.0

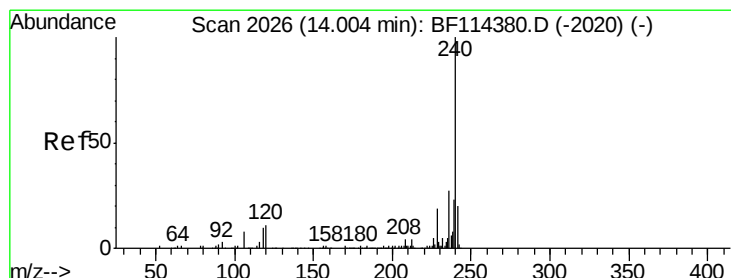
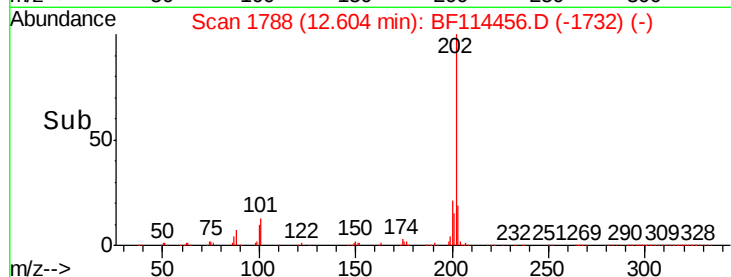
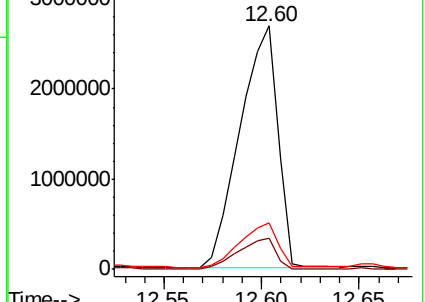
203 19.2 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

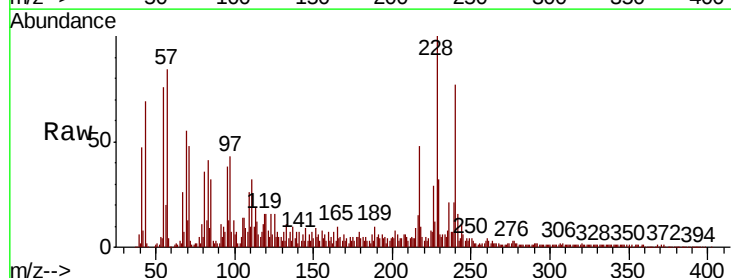
Tgt Ion:240 Resp: 342629

Ion Ratio Lower Upper

240 100

120 20.7 8.3 12.5#

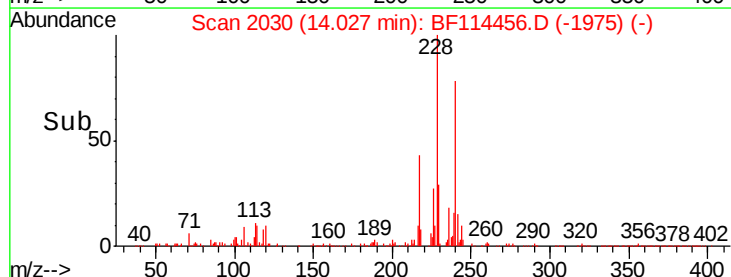
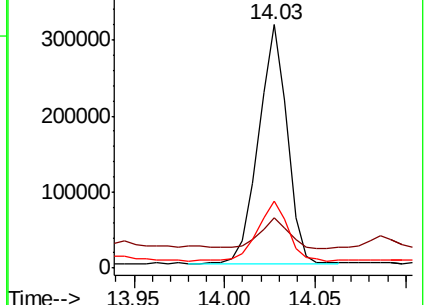
236 27.3 20.8 31.2

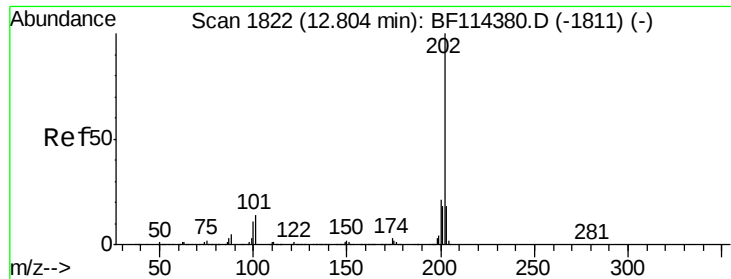


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 112.394 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.03 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

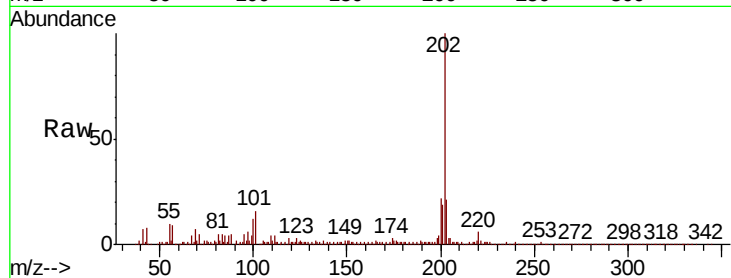
Instrument :

BNA_E

ClientSampleId :

Tot Ion:202 Resp: 3097901

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.9	25.3
203	20.6	14.5	21.7

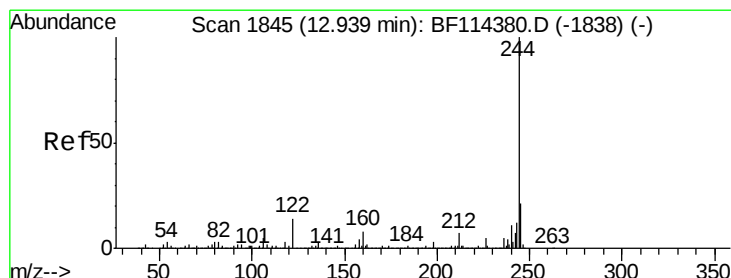
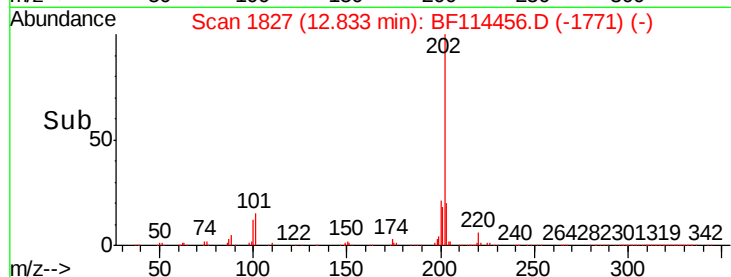
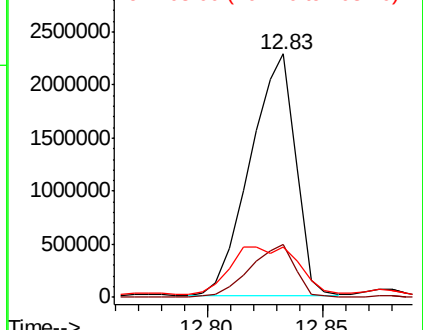


Abundance

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: 32.824 ng

RT: 12.95 min Scan# 1847

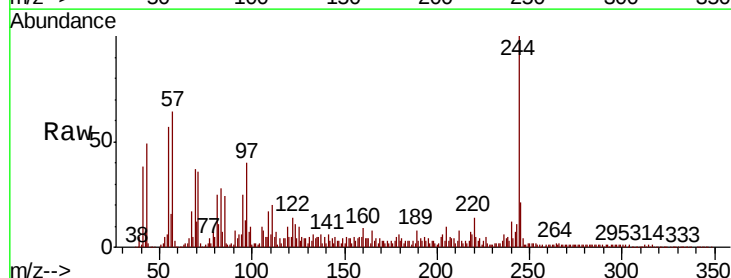
Delta R.T. 0.01 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Tgt Ion:244 Resp: 545560

Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.6
122	14.4	9.4	14.2

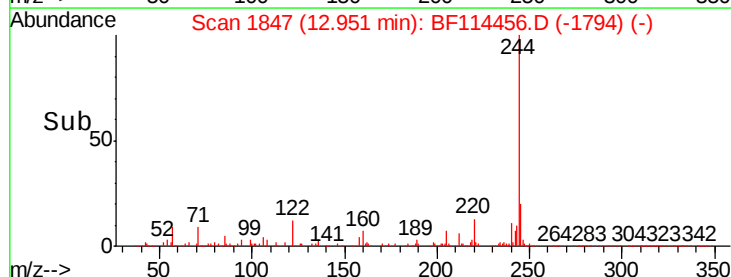
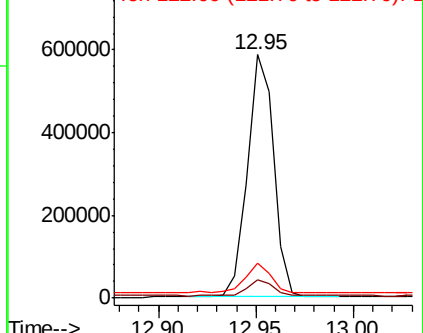


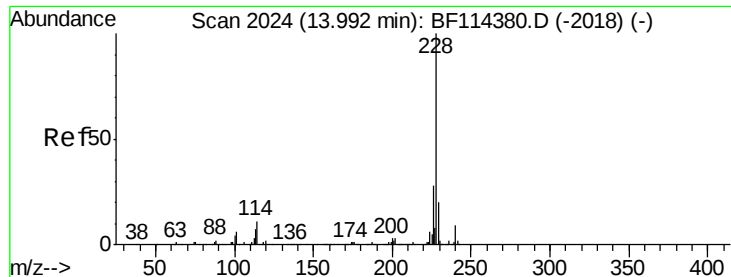
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 61.355 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

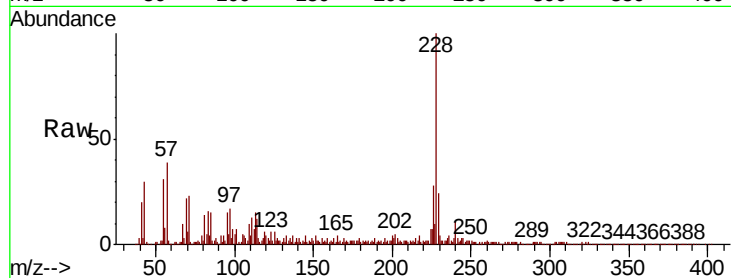
Tot Ion:228 Resp: 1359689

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

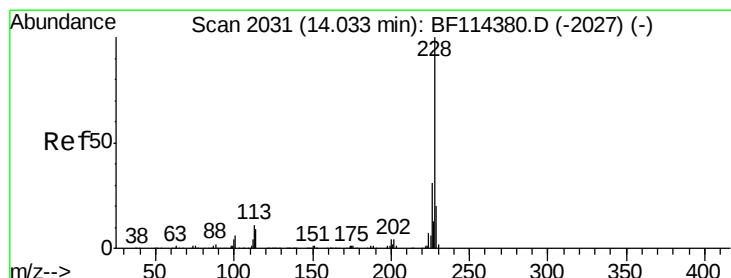
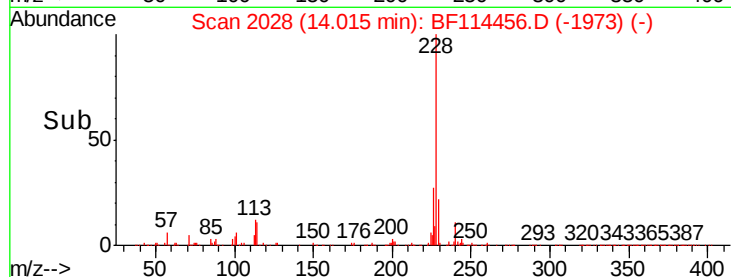
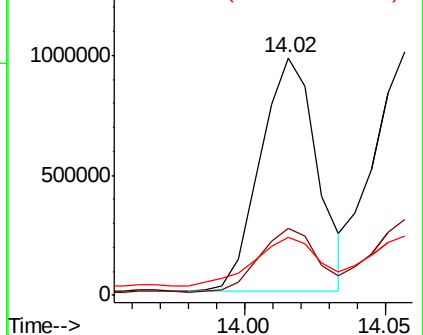
229 24.3 16.4 24.6



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: 51.613 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.02 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

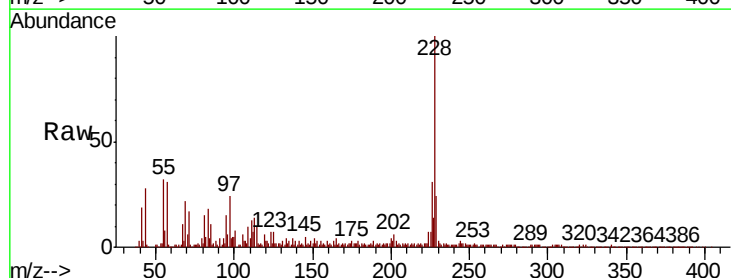
Tgt Ion:228 Resp: 1121251

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

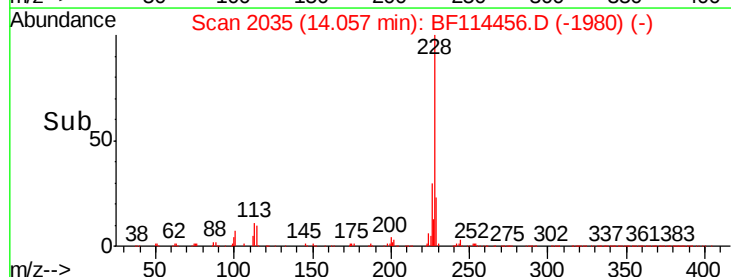
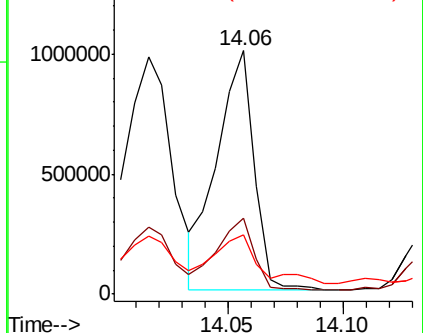
229 24.5 17.0 25.6

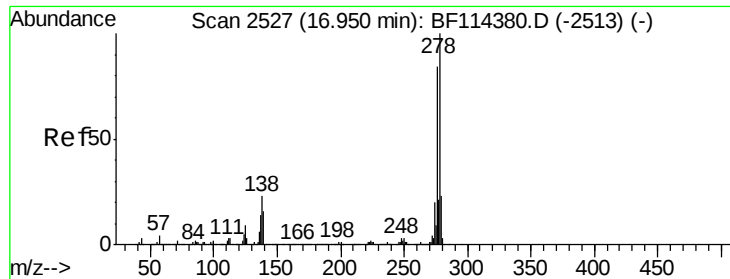


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 14.429 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

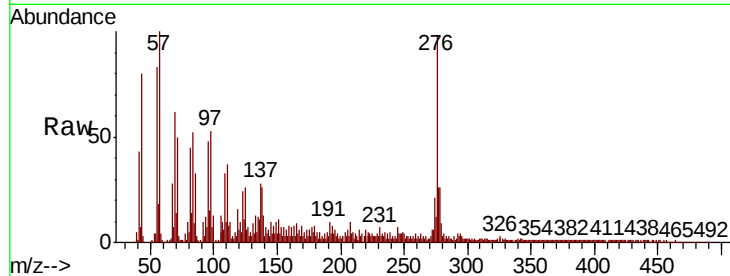
Tot Ion:276 Resp: 277027

Ion Ratio Lower Upper

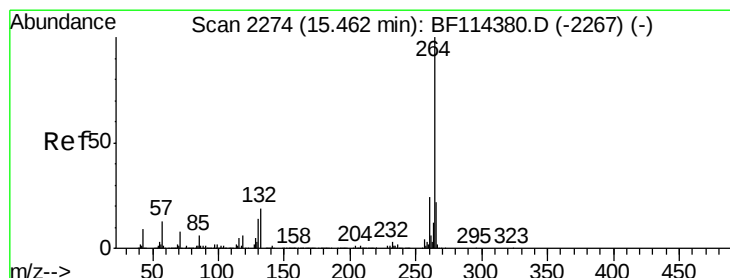
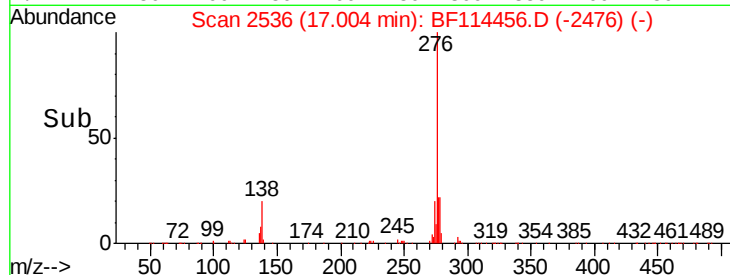
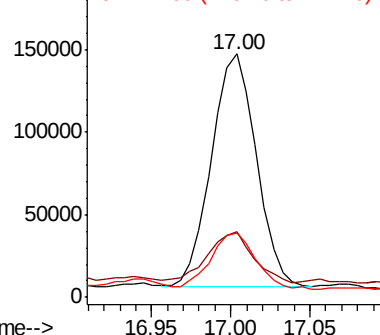
276 100

138 21.6 20.2 30.2

277 23.9 20.0 30.0



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: 15.52 min Scan# 2283

Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

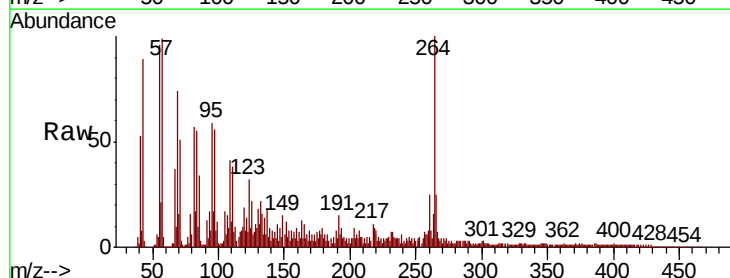
Tgt Ion:264 Resp: 372904

Ion Ratio Lower Upper

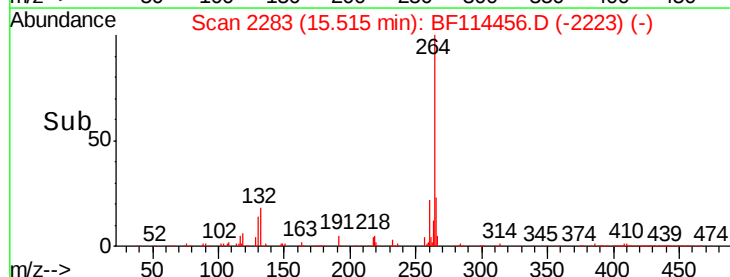
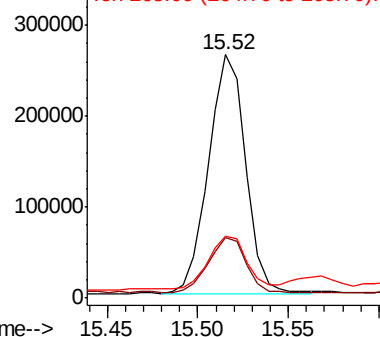
264 100

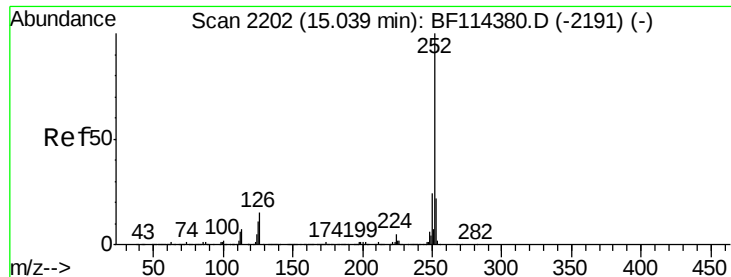
260 25.0 19.4 29.0

265 25.4 16.9 25.3#



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

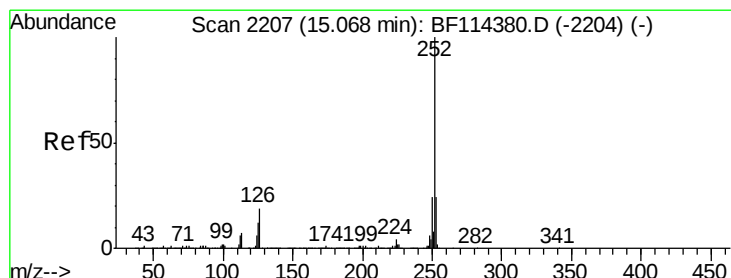
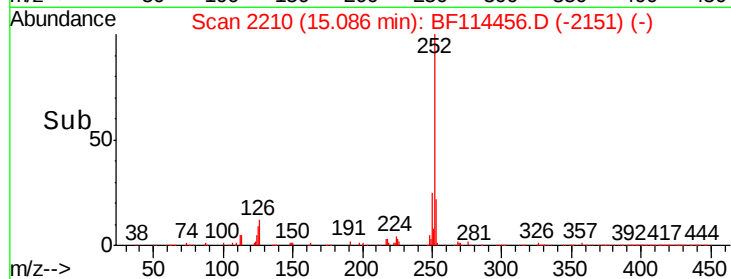
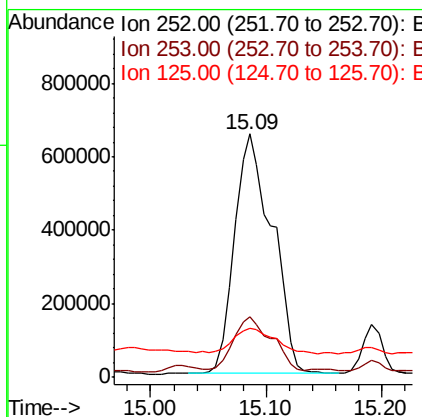
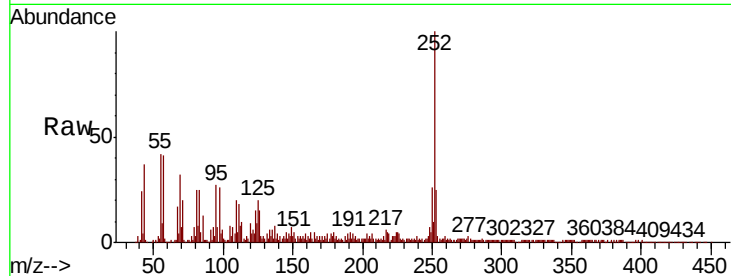




#88
Benzo(b)fluoranthene
Concen: 61.908 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.05 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

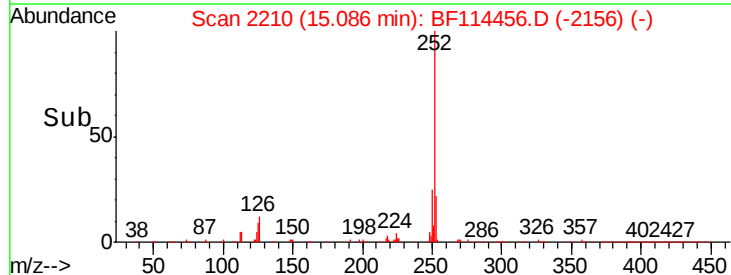
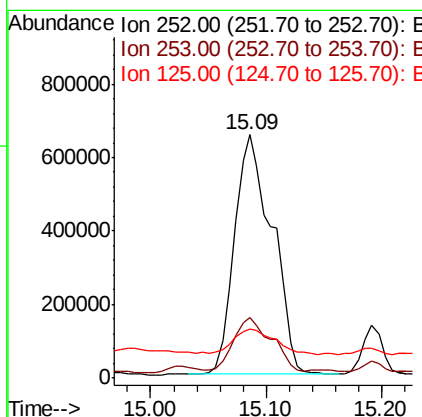
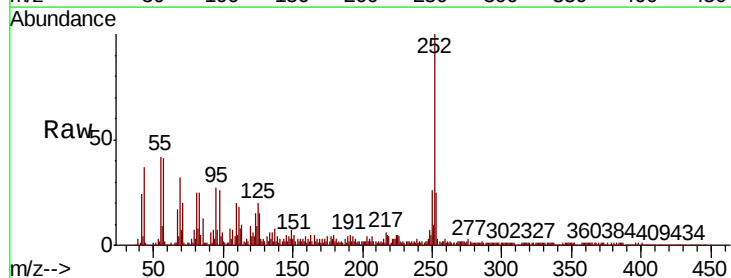
Instrument :
BNA_E
ClientSampleId :

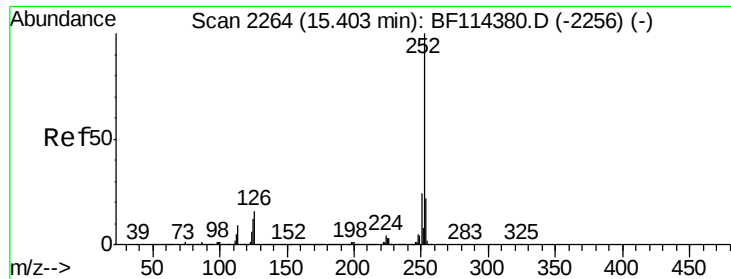
Tot Ion:252 Resp: 1478993
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 20.4 8.3 12.5#



#89
Benzo(k)fluoranthene
Concen: 67.393 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BF114456.D
Acq: 21 May 2019 15:25

Tgt Ion:252 Resp: 1478993
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 20.4 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 35.011 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

Instrument :

BNA_E

ClientSampleId :

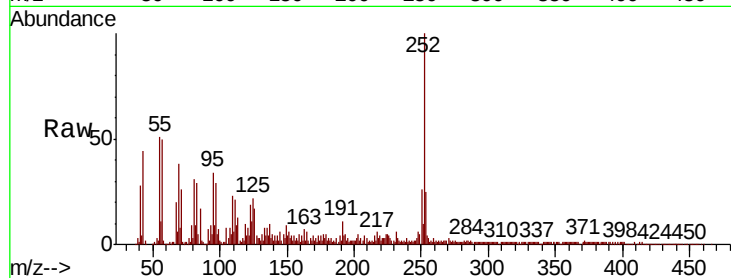
Tot Ion:252 Resp: 736131

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

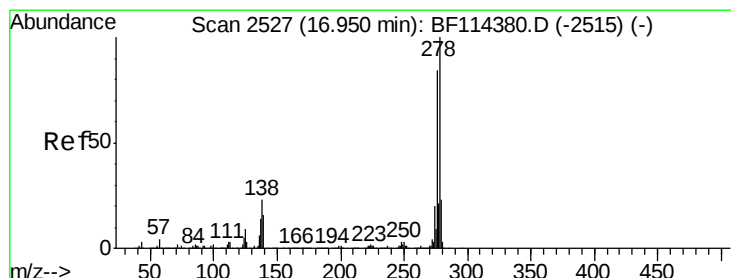
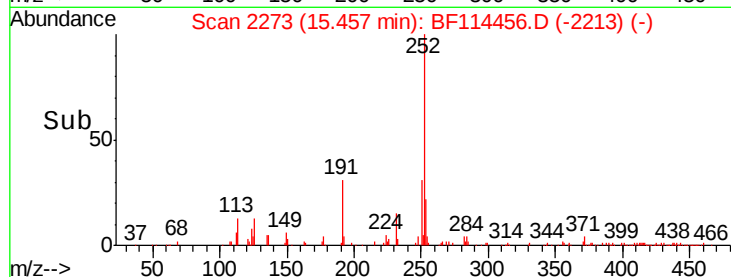
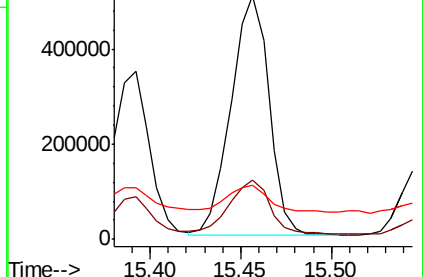
125 22.1 9.5 14.3#



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



#91

Dibenzo(a,h)anthracene

Concen: 4.742 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.05 min

Lab File: BF114456.D

Acq: 21 May 2019 15:25

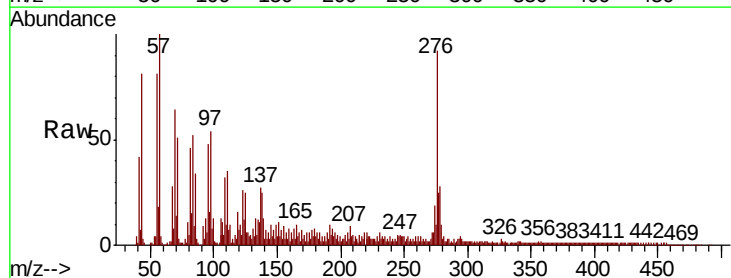
Tgt Ion:278 Resp: 82840

Ion Ratio Lower Upper

278 100

139 47.3 13.5 20.3#

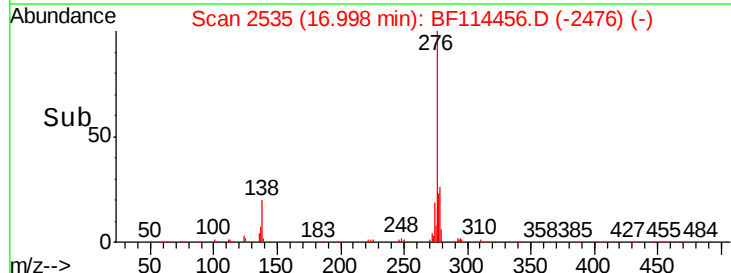
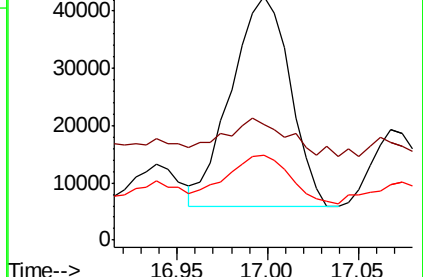
279 34.8 19.0 28.6#

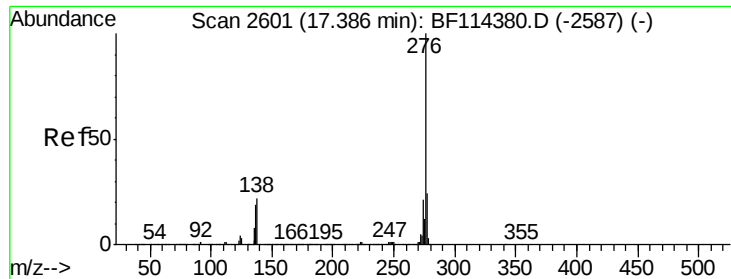


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

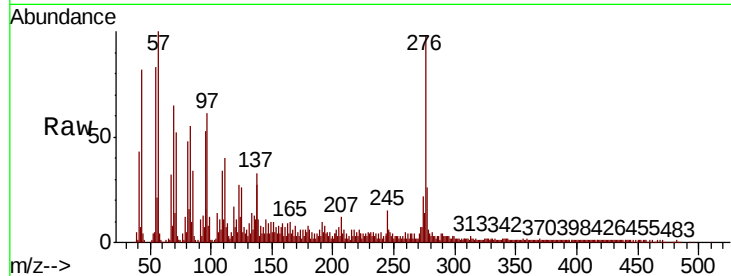




#92
 Benzo(a,h,i)perylene
 Concen: 13.863 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.06 min
 Lab File: BF114456.D
 Acq: 21 May 2019 15:25

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 276 Resp: 242719
 Ion Ratio Lower Upper
 276 100
 277 26.3 19.0 28.4
 138 27.1 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

