

Data File : BF119273.D
Acq On : 7 Mar 2020 2:32
Operator : CG/JU
Sample : L1761-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-030420

Quant Time: Mar 09 04:06:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 23:38:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	101691	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	383164	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	200622	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	291828	20.00	ng	0.00
76) Chrysene-d12	13.90	240	234448	20.00	ng	0.01
87) Perylene-d12	15.32	264	209291	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	116039	19.07	ng	0.00
7) Phenol-d6	6.38	99	159868	21.60	ng	0.00
23) Nitrobenzene-d5	7.29	82	99582	13.72	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	38205	14.56	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	210260	15.44	ng	0.00
79) Terphenyl-d14	12.83	244	207909	15.27	ng	0.00

Target Compounds				Qvalue		
18) Hexachloroethane	7.26	117	9129	3.240	ng	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	14794	3.431	ng	# 80
25) Isophorone	7.29	82	99581	7.901	ng	# 63
31) Naphthalene	8.03	128	2414443	121.502	ng	99
32) Benzoic acid	7.83	122	3716	7.530	ng	83
33) 4-Chloroaniline	8.03	127	344705	40.331	ng	# 35
35) Caprolactam	8.73	113	56413	30.157	ng	# 2
37) 2-Methylnaphthalene	8.73	142	2089396	156.241	ng	98
38) 1-Methylnaphthalene	8.73	142	2089396	166.133	ng	96
46) 1,1'-Biphenyl	9.18	154	397750	24.531	ng	98
48) 2-Nitroaniline	9.28	65	9030	2.478	ng	# 30
49) Acenaphthylene	9.62	152	110017	5.830	ng	# 45
51) 2,6-Dinitrotoluene	9.45	165	11518	3.379	ng	# 1
52) Acenaphthene	9.80	154	1021931	89.806	ng	97
54) 2,4-Dinitrophenol	9.80	184	363	7.674	ng	# 1
55) Dibenzofuran	9.97	168	503599	29.650	ng	# 93
56) 4-Nitrophenol	9.91	139	16747	7.377	ng	# 26
57) 2,4-Dinitrotoluene	9.96	165	14028	3.175	ng	# 1
58) Fluorene	10.32	166	1569319	118.905	ng	100
62) 4-Nitroaniline	10.32	138	21076	5.452	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.63	198	5160	2.922	ng	90
66) n-Nitrosodiphenylamine	10.42	169	67950	7.111	ng	# 1
71) Phenanthrene	11.30	178	5735800	360.405	ng	96
72) Anthracene	11.34	178	2353905	148.029	ng	99
73) Carbazole	11.49	167	277693	19.602	ng	99
75) Fluoranthene	12.47	202	2953872	174.856	ng	98
78) Pyrene	12.71	202	3759240	199.685	ng	96
81) Benzo(a)anthracene	13.89	228	1847878	115.677	ng	98
83) Chrysene	13.93	228	1524272	95.762	ng	97
86) Indeno(1,2,3-cd)pyrene	16.73	276	327545	21.252	ng	95
88) Benzo(b)fluoranthene	14.92	252	1531308	111.002	ng	98
89) Benzo(k)fluoranthene	14.92	252	1522131	119.062	ng	98
90) Benzo(a)pyrene	15.27	252	996733	80.055	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	62705	5.724	ng	95

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030620\
Quantitation Report (Not Reviewed)

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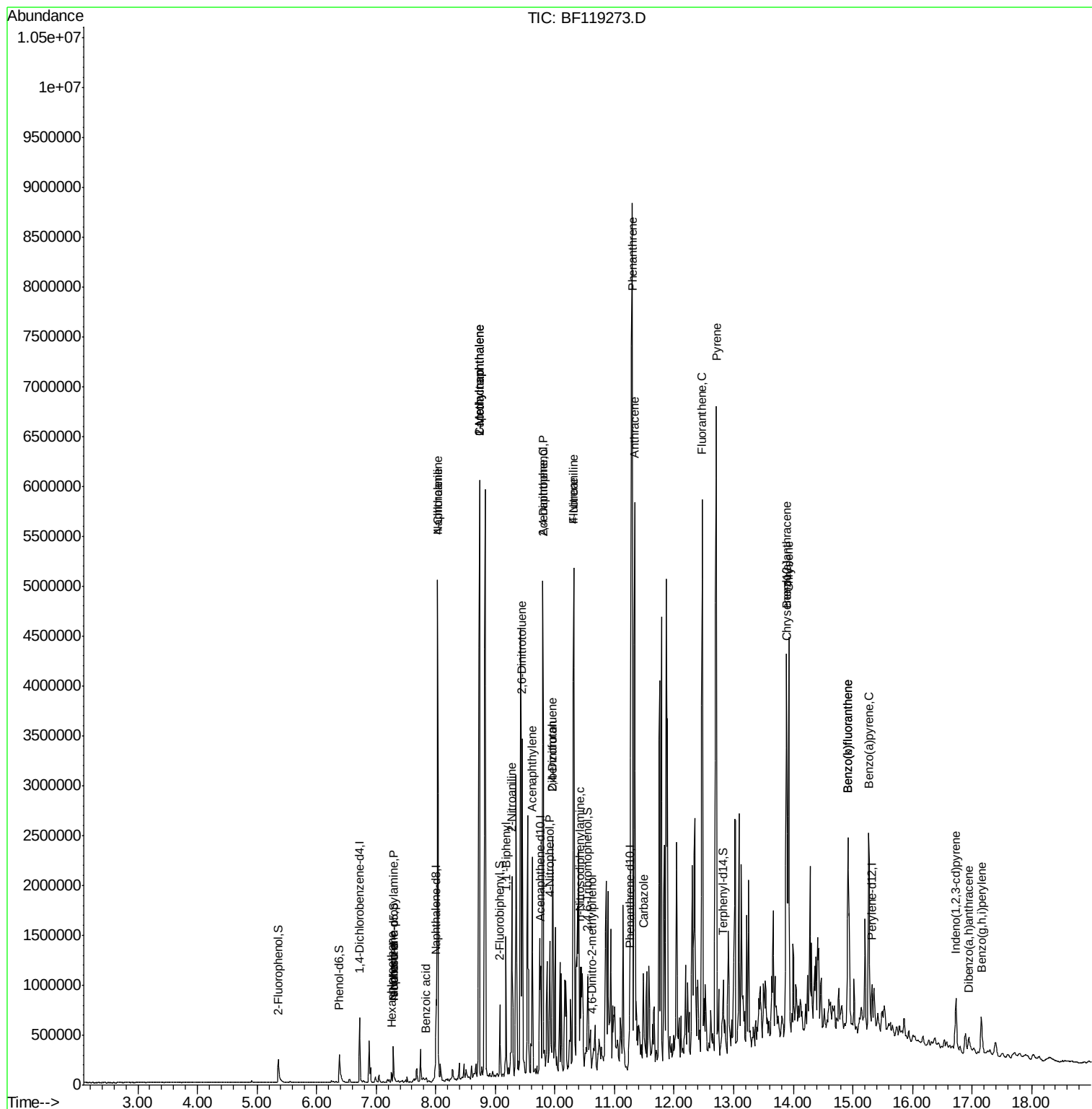
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Benzo(g,h,i)perylene	17.16	276	307941	28.449	ng	97

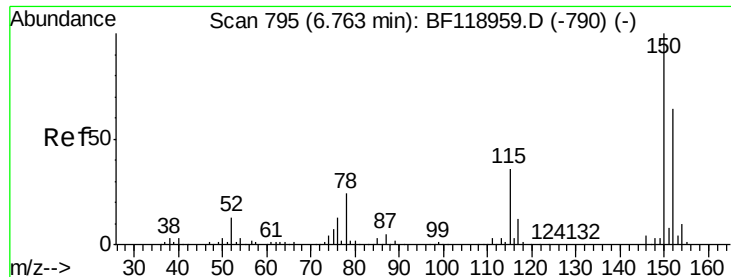
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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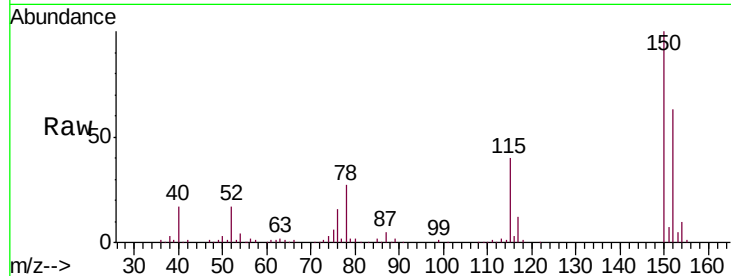


#1

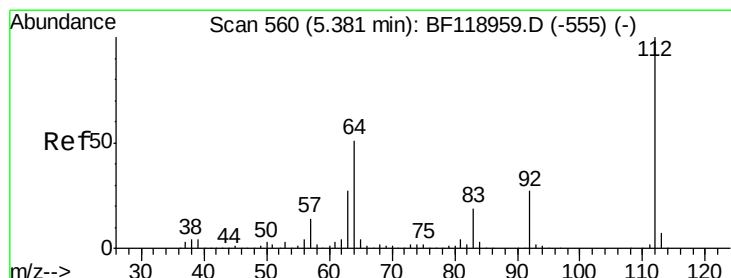
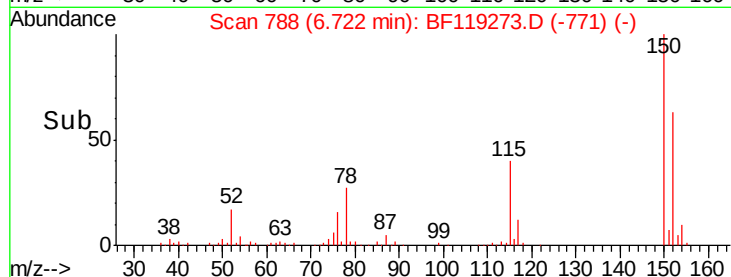
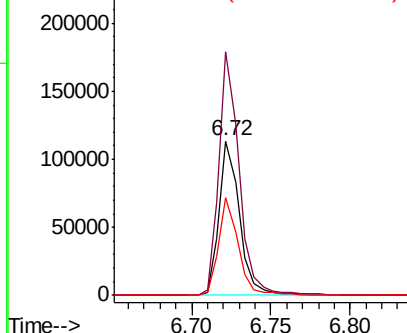
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Instrument :
BNA_F
ClientSampleId :
SU-04-030420

Tgt Ion:152 Resp: 101691
Ion Ratio Lower Upper
152 100
150 157.9 123.0 184.6
115 63.3 49.5 74.3



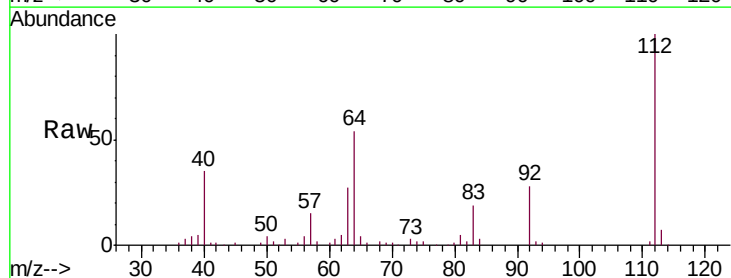
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



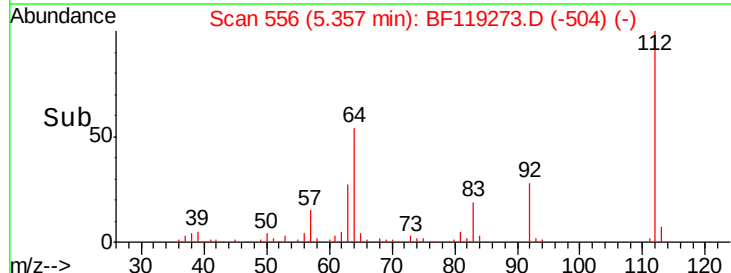
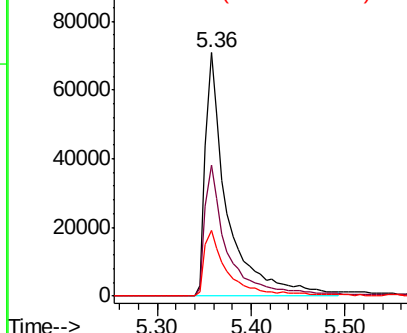
#5

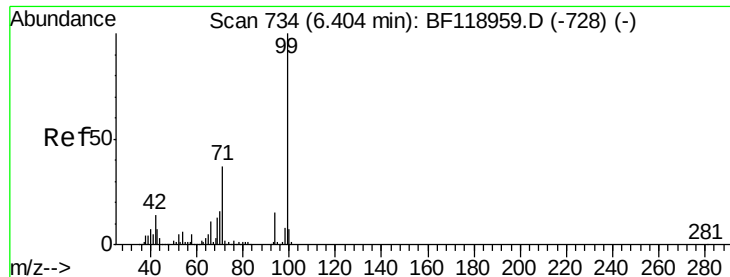
2-Fluorophenol
Concen: 19.070 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion:112 Resp: 116039
Ion Ratio Lower Upper
112 100
64 54.0 45.0 67.4
63 27.2 24.2 36.4



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: 21.602 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

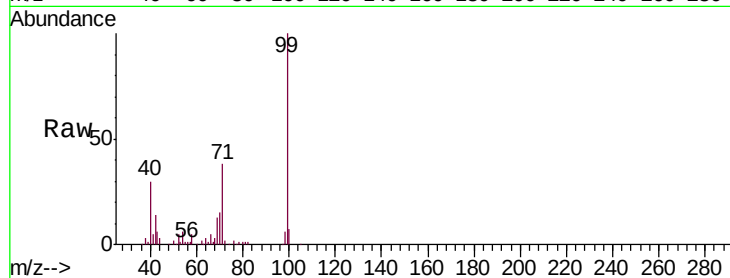
Tgt Ion: 99 Resp: 159868

Ion Ratio Lower Upper

99 100

42 14.2 12.6 18.8

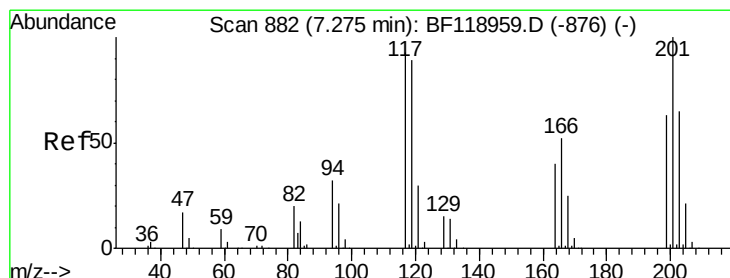
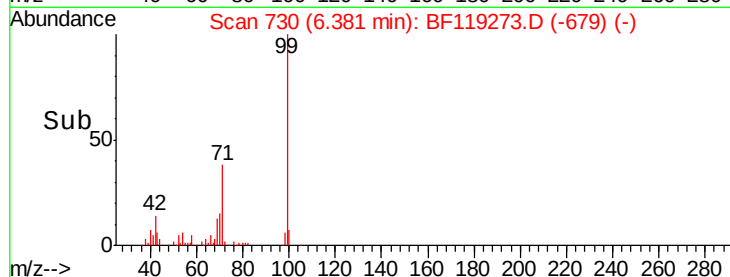
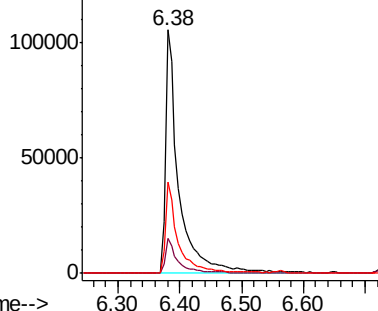
71 37.6 31.0 46.4



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: 3.240 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.02 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

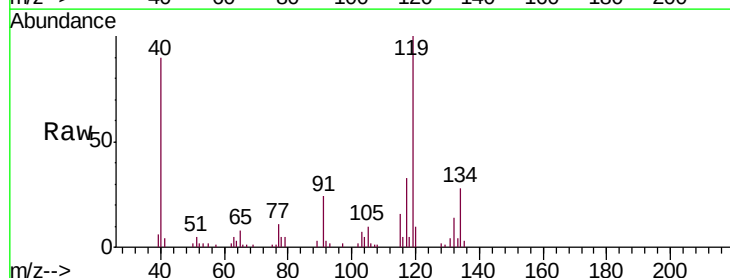
Tgt Ion: 117 Resp: 9129

Ion Ratio Lower Upper

117 100

119 302.5 77.5 116.3#

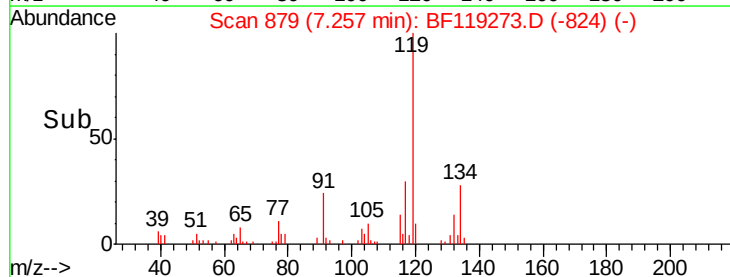
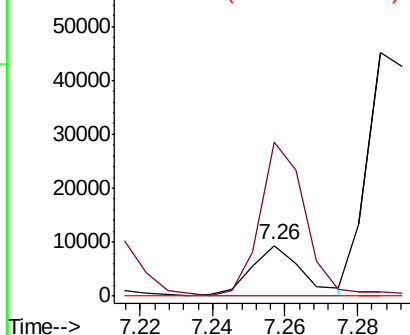
201 0.0 82.6 123.8#

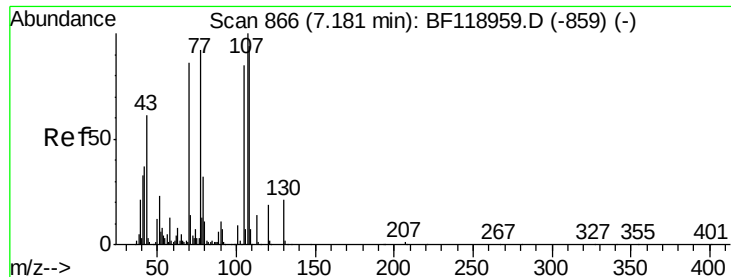


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

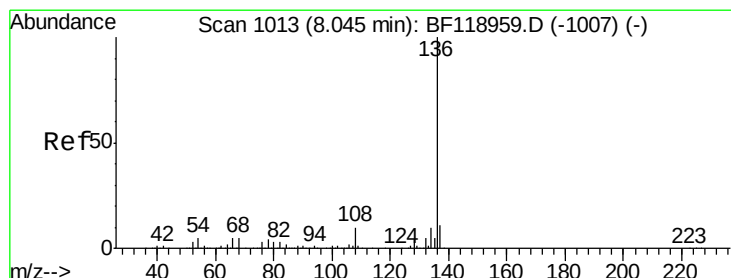
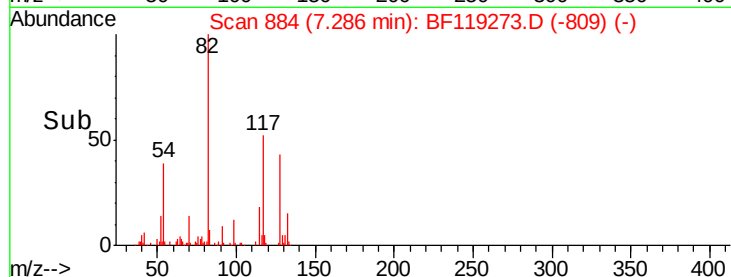
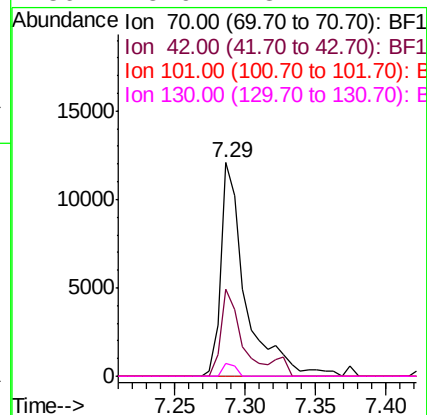
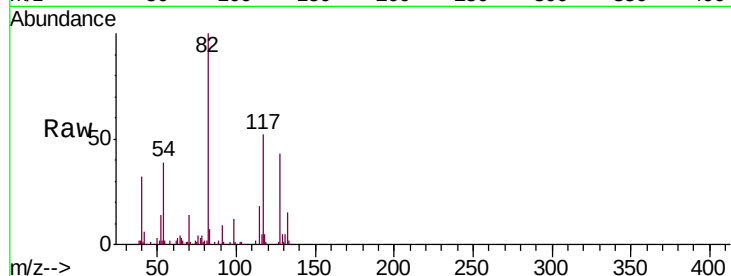




#19
n-Nitroso-di-n-propylamine
Concen: 3.431 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.14 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

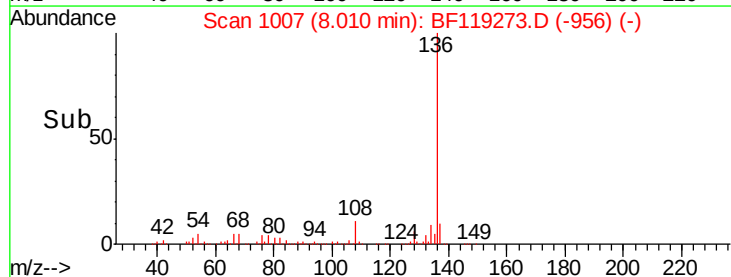
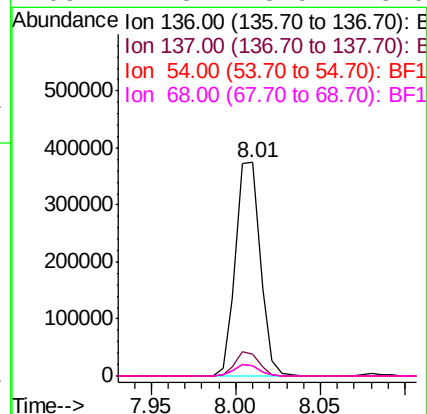
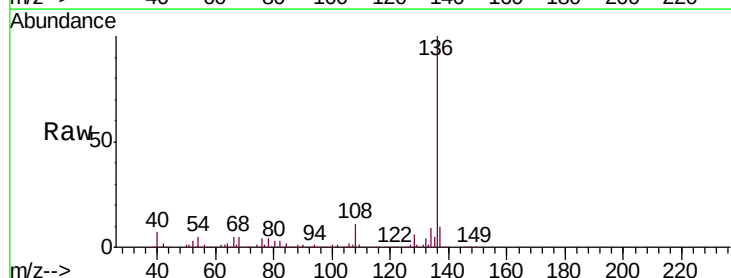
Instrument :
BNA_F
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SU-04-030420

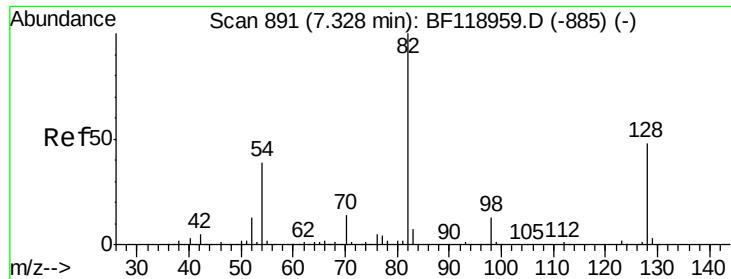
Tgt Ion:	70	Resp:	14794
Ion	Ratio	Lower	Upper
70	100		
42	40.6	38.0	57.0
101	0.0	8.2	12.4#
130	5.9	18.2	27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion:	136	Resp:	383164
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	4.7	3.8	5.6
68	4.8	3.9	5.9

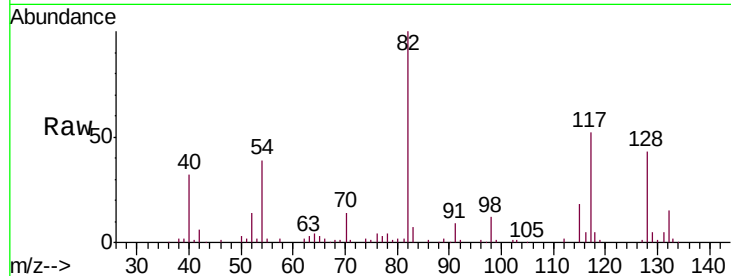




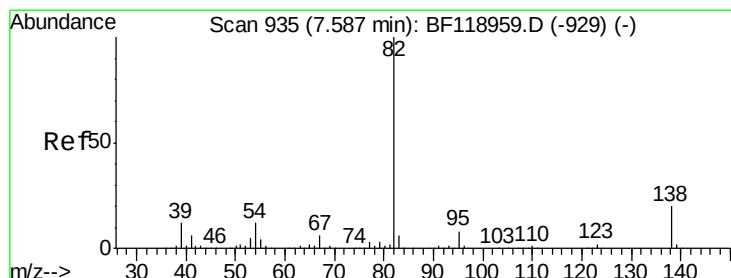
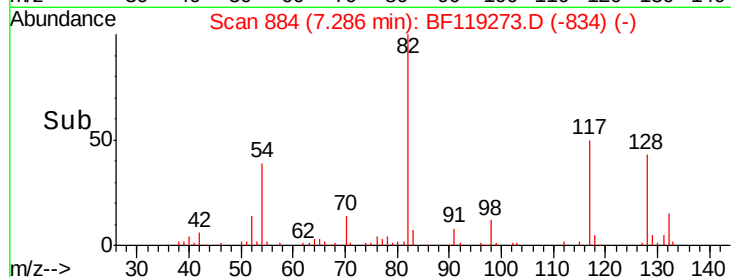
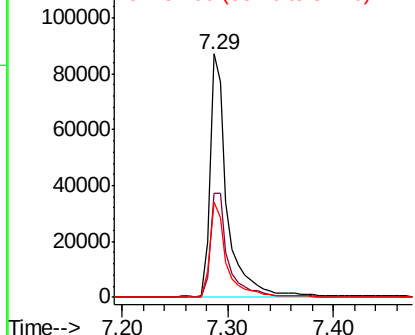
#23
 Nitrobenzene-d5
 Concen: 13.722 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-030420

Tgt Ion: 82 Resp: 99582
 Ion Ratio Lower Upper
 82 100
 128 42.7 37.9 56.9
 54 39.3 33.4 50.2

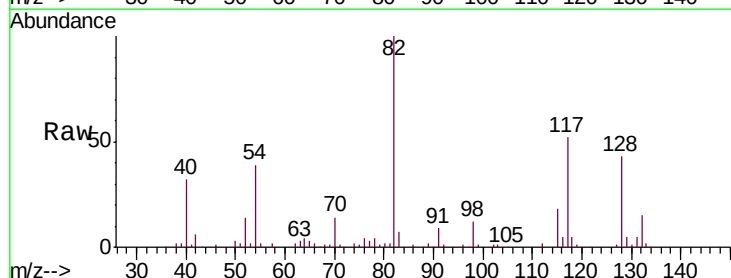


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

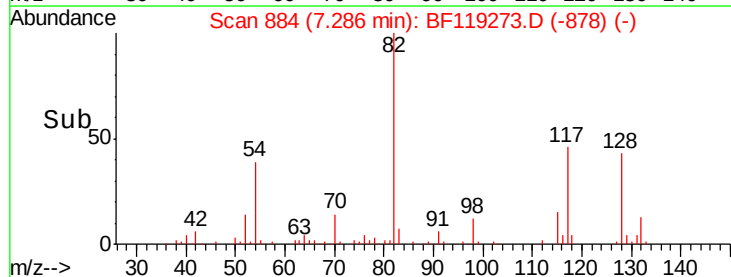
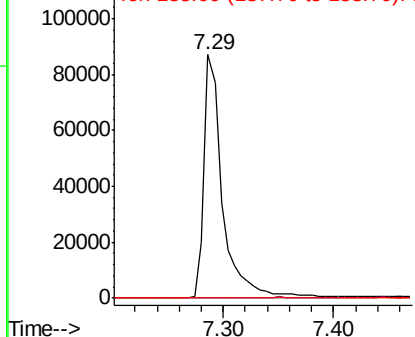


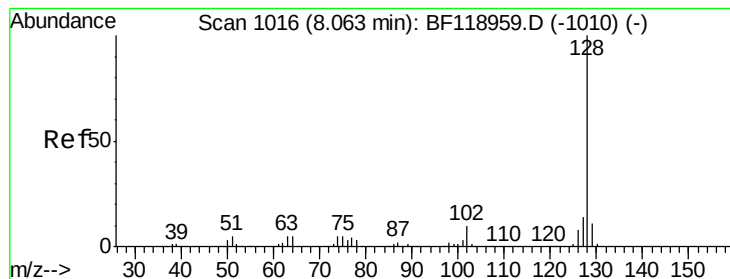
#25
 Isophorone
 Concen: 7.901 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Tgt Ion: 82 Resp: 99581
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.4 9.6#
 138 0.0 15.7 23.5#



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





#31

Naphthalene

Concen: 121.502 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF119273.D

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Instrument :

BNA_F

ClientSampleId :

SU-04-030420

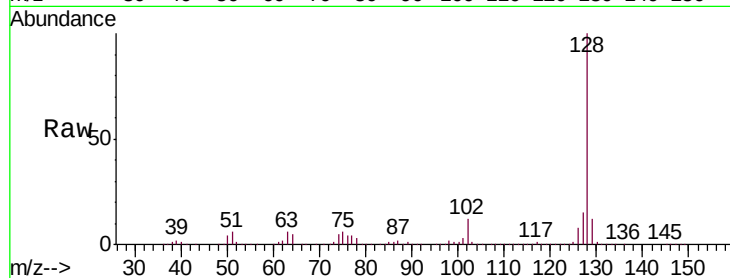
Tgt Ion:128 Resp: 2414443

Ion Ratio Lower Upper

128 100

129 12.0 9.4 14.2

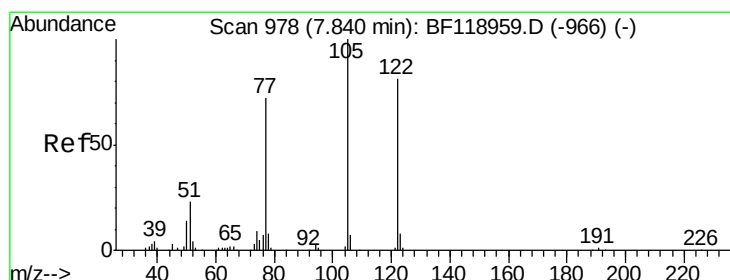
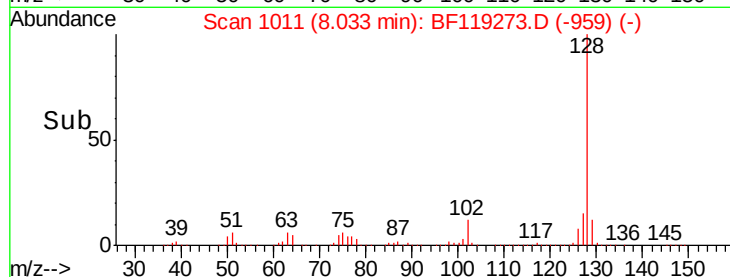
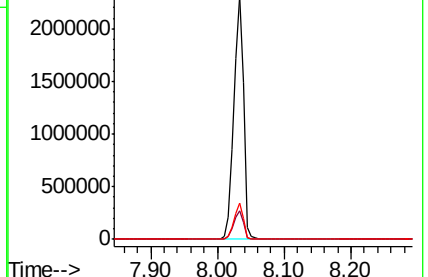
127 14.8 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.530 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

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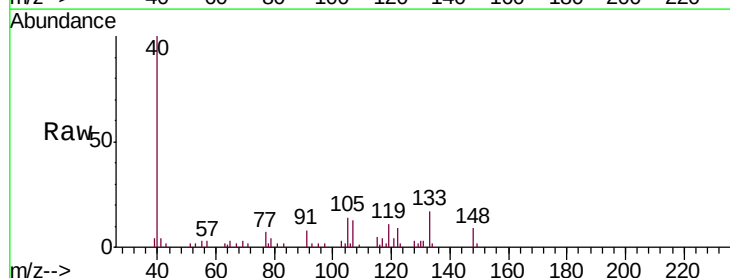
Tgt Ion:122 Resp: 3716

Ion Ratio Lower Upper

122 100

105 142.5 106.3 146.3

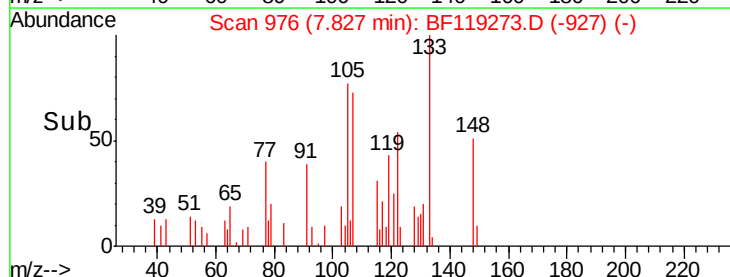
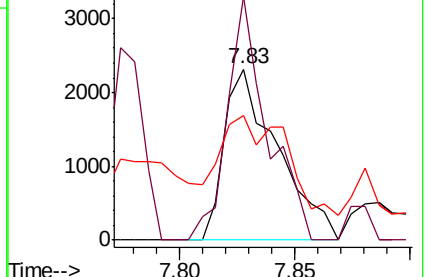
77 73.2 73.1 113.1

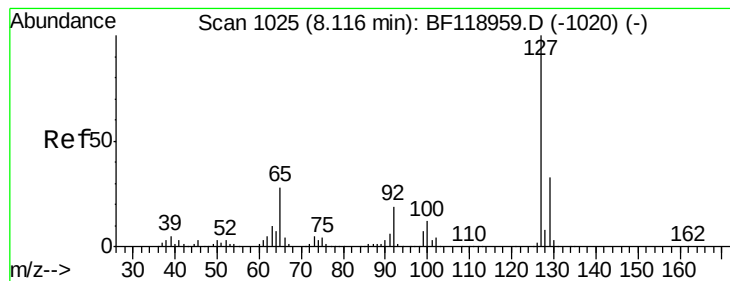


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 40.331 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.05 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

Tgt Ion:127 Resp: 344705

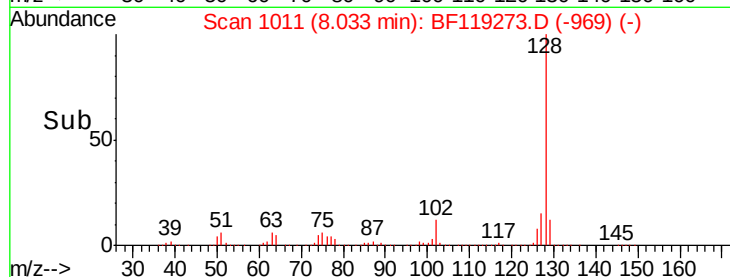
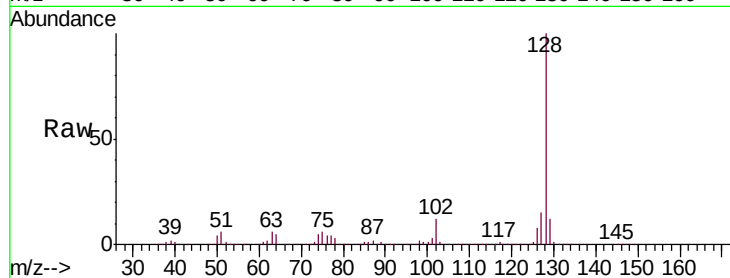
Ion Ratio Lower Upper

127 100

129 81.0 25.9 38.9#

65 0.0 23.9 35.9#

92 0.1 16.3 24.5#

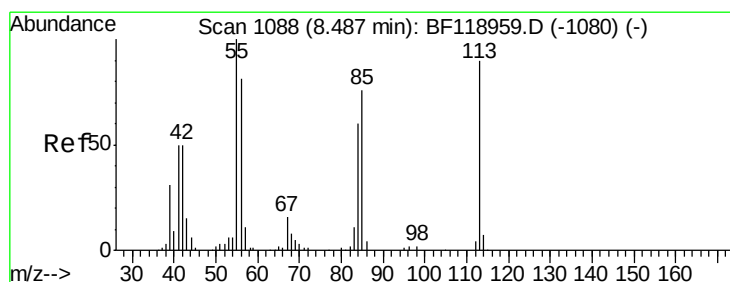
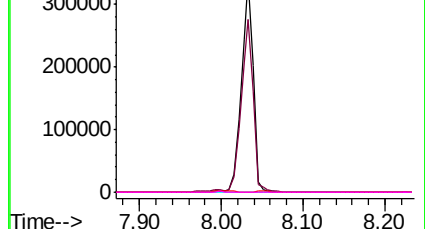


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#35

Caprolactam

Concen: 30.157 ng

RT: 8.73 min Scan# 1130

Delta R.T. 0.27 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

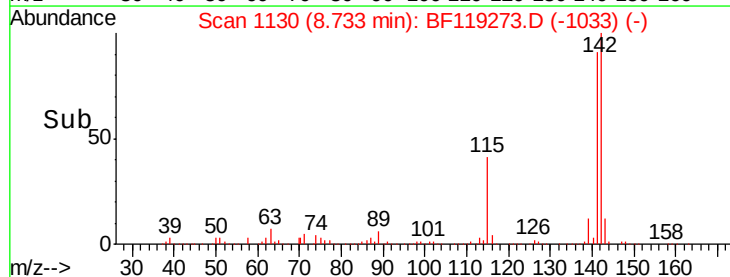
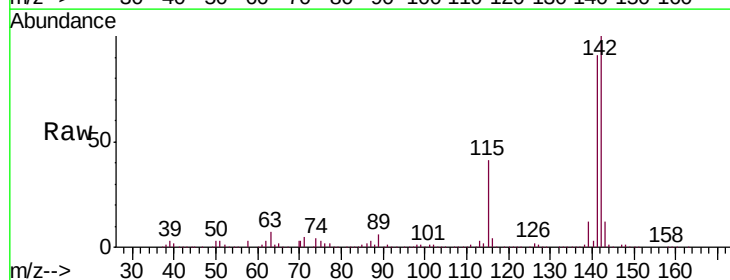
Tgt Ion:113 Resp: 56413

Ion Ratio Lower Upper

113 100

55 9.0 95.7 135.7#

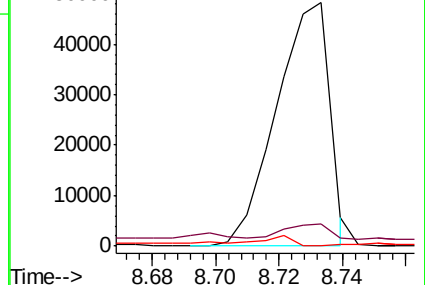
56 0.0 73.1 113.1#

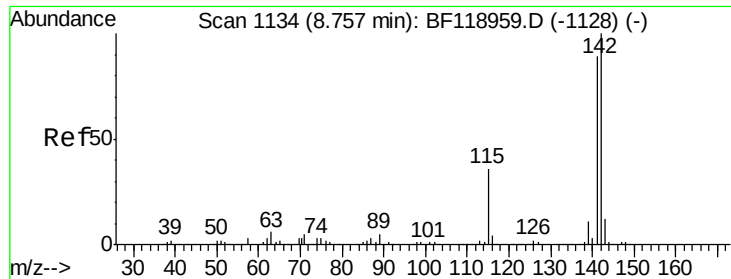


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

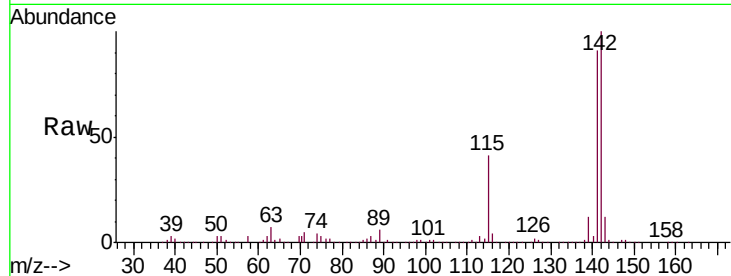




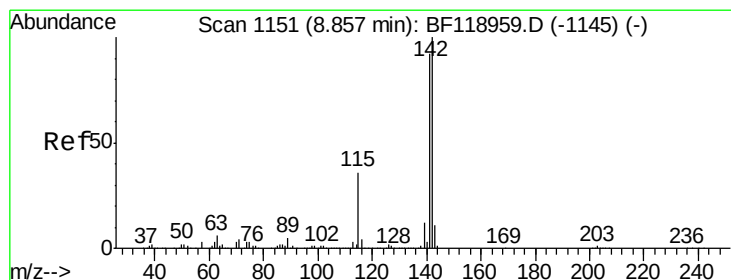
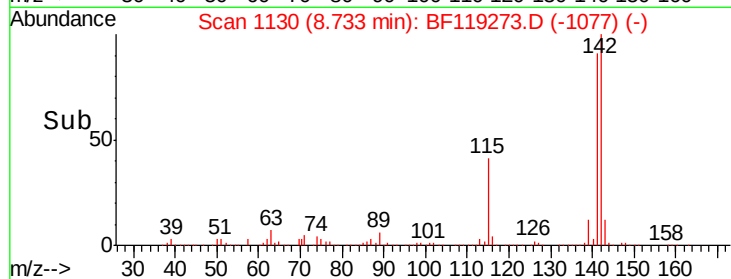
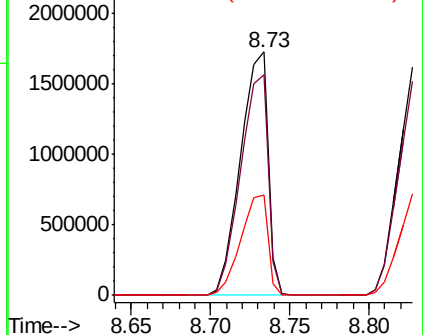
#37
 2-Methylnaphthalene
 Concen: 156.241 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-030420

Tgt Ion:142 Resp: 2089396
 Ion Ratio Lower Upper
 142 100
 141 90.7 72.3 108.5
 115 41.3 30.6 45.8

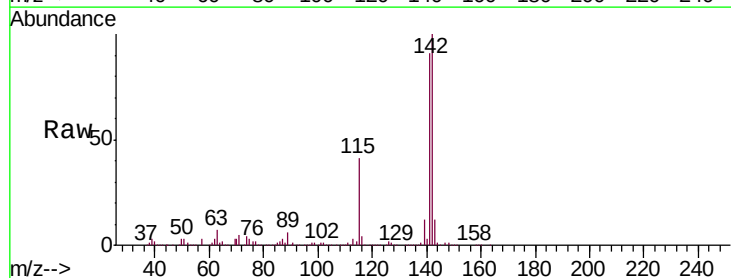


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

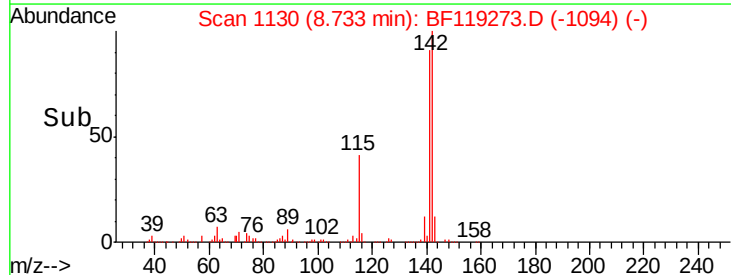
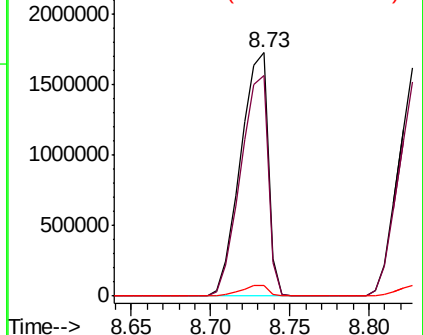


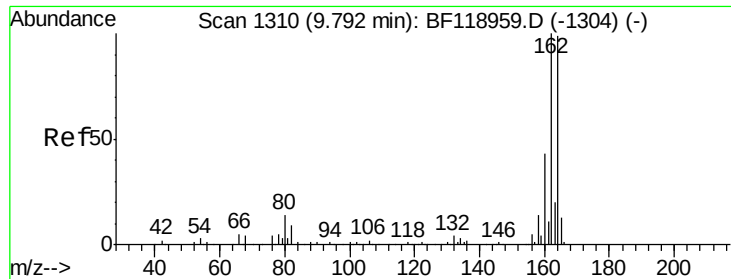
#38
 1-Methylnaphthalene
 Concen: 166.133 ng
 RT: 8.73 min Scan# 1130
 Delta R.T. -0.09 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Tgt Ion:142 Resp: 2089396
 Ion Ratio Lower Upper
 142 100
 141 90.7 75.8 113.6
 116 4.3 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

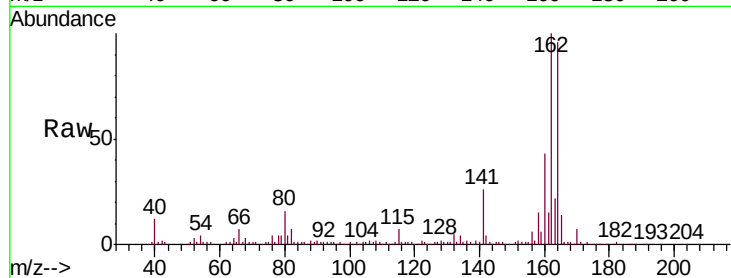




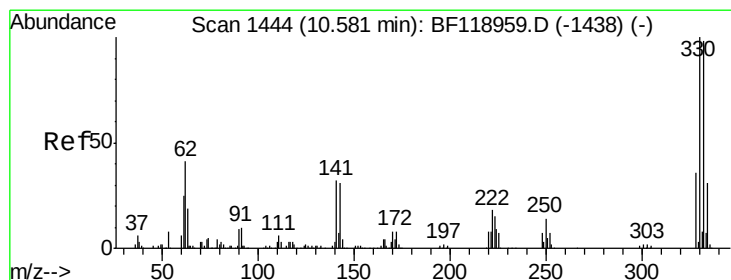
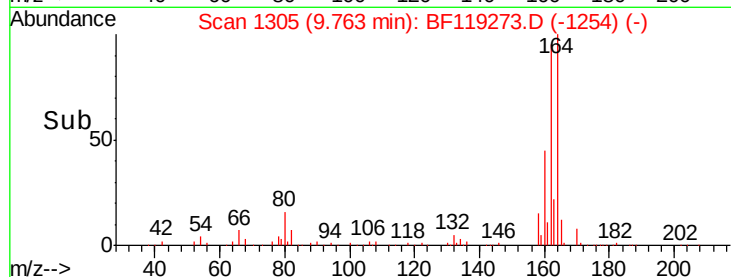
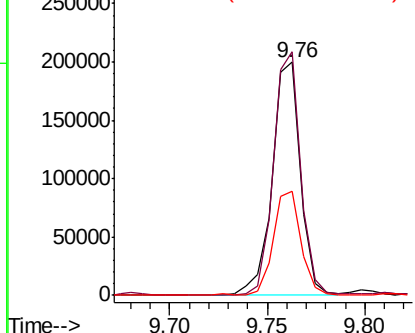
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Instrument :
BNA_F
ClientSampleId :
SU-04-030420

Tgt Ion:164 Resp: 200622
Ion Ratio Lower Upper
164 100
162 104.6 81.8 122.8
160 44.8 36.0 54.0

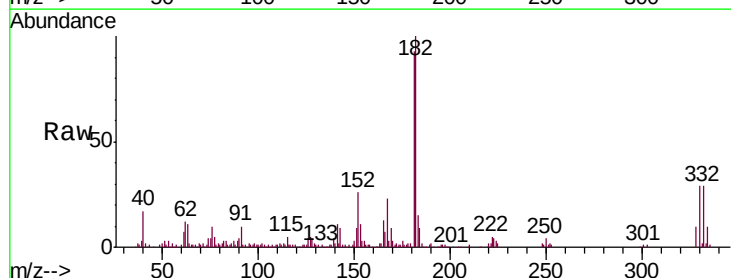


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

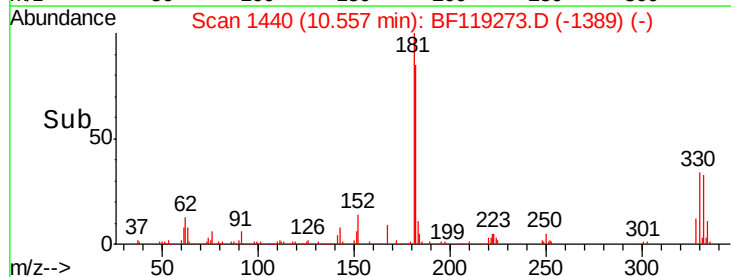
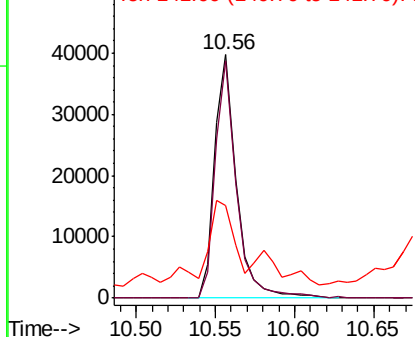


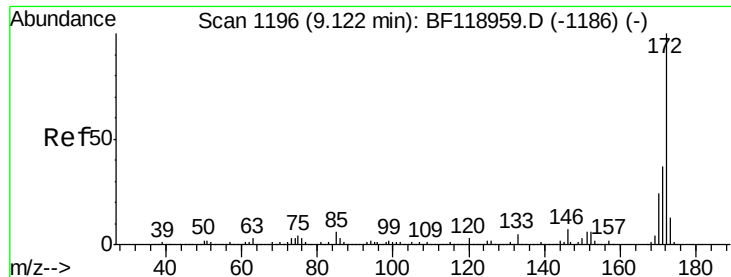
#42
2,4,6-Tribromophenol
Concen: 14.557 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion:330 Resp: 38205
Ion Ratio Lower Upper
330 100
332 95.3 76.0 114.0
141 39.8 22.9 34.3#



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

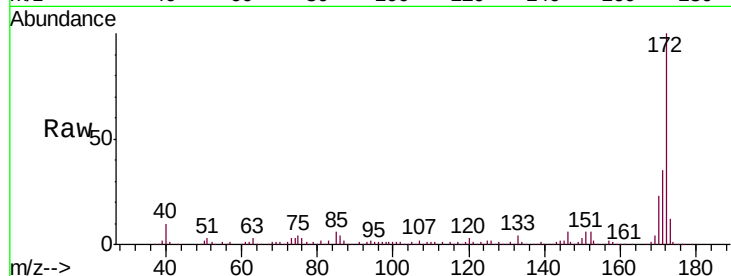




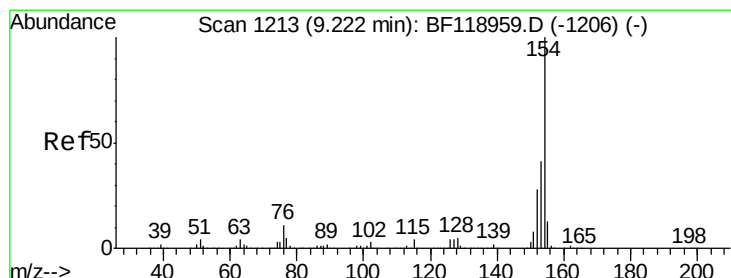
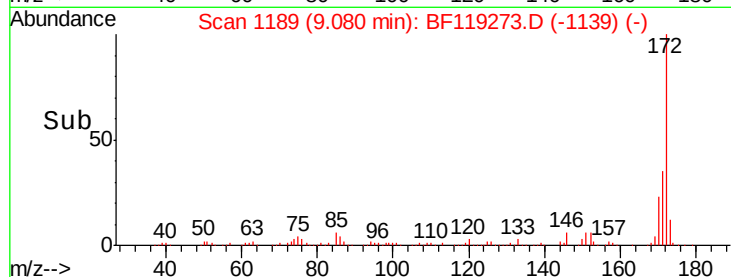
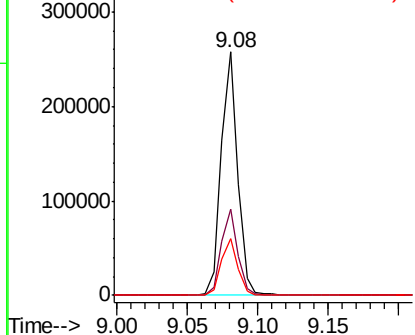
#45
2-Fluorobiphenyl
Concen: 15.439 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Instrument :
BNA_F
ClientSampleId :
SU-04-030420

Tgt Ion:172 Resp: 210260
Ion Ratio Lower Upper
172 100
171 35.4 30.6 45.8
170 23.5 20.2 30.2

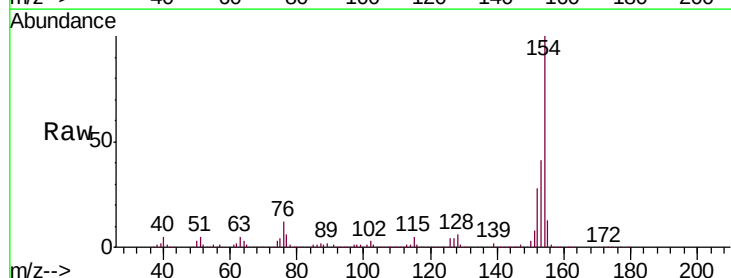


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

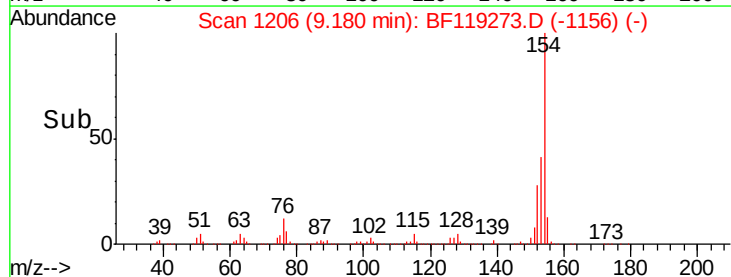
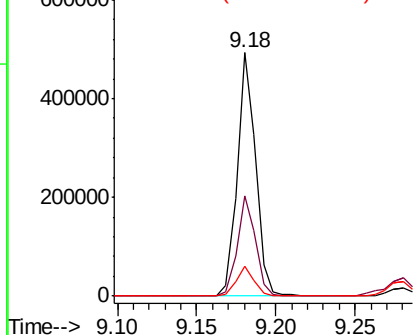


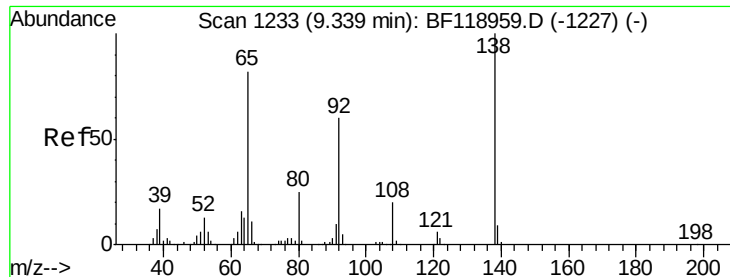
#46
1,1'-Biphenyl
Concen: 24.531 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion:154 Resp: 397750
Ion Ratio Lower Upper
154 100
153 41.2 22.8 62.8
76 12.0 0.0 32.2



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

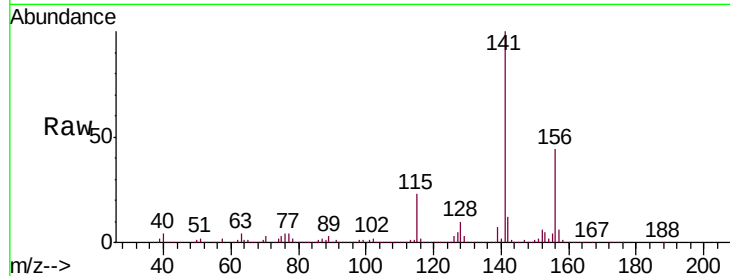




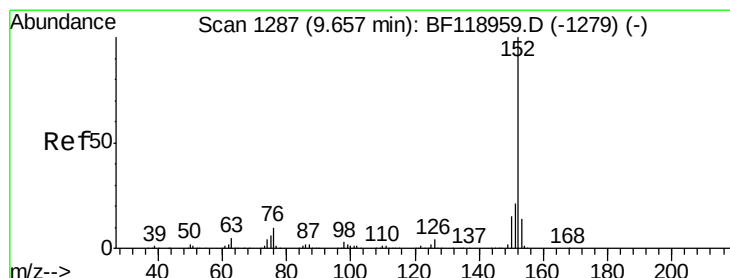
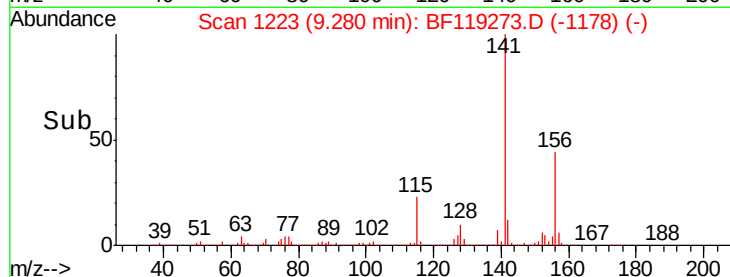
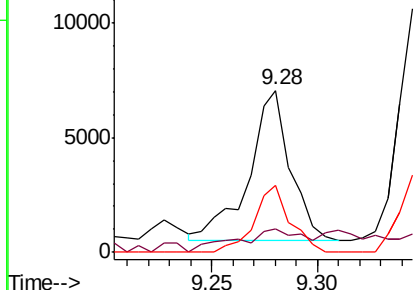
#48
2-Nitroaniline
Concen: 2.478 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.04 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Instrument :
BNA_F
ClientSampleId :
SU-04-030420

Tgt Ion: 65 Resp: 9030
Ion Ratio Lower Upper
65 100
92 14.6 58.2 87.2#
138 41.7 95.6 143.4#

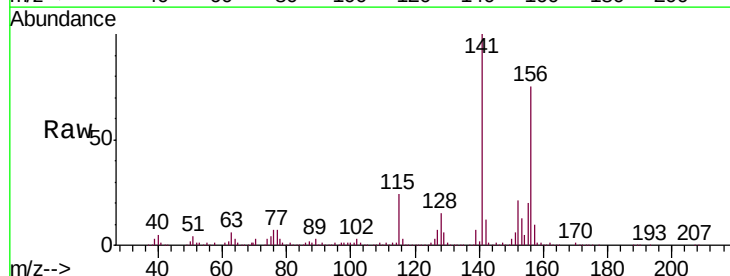


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

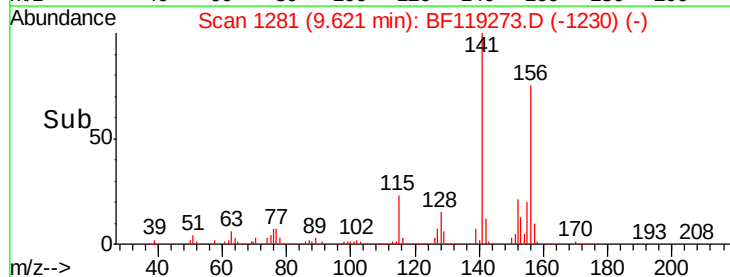
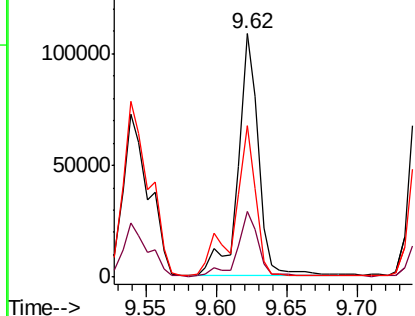


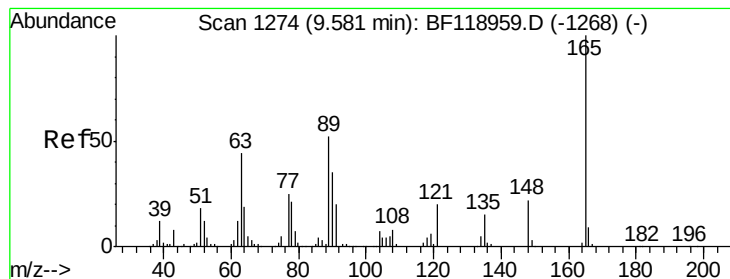
#49
Acenaphthylene
Concen: 5.830 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion: 152 Resp: 110017
Ion Ratio Lower Upper
152 100
151 26.9 16.9 25.3#
153 62.2 11.0 16.6#



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





#51

2,6-Dinitrotoluene

Concen: 3.379 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.11 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

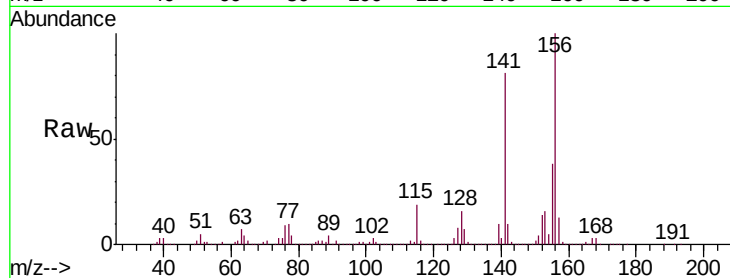
Tgt Ion:165 Resp: 11518

Ion Ratio Lower Upper

165 100

63 530.1 34.3 51.5#

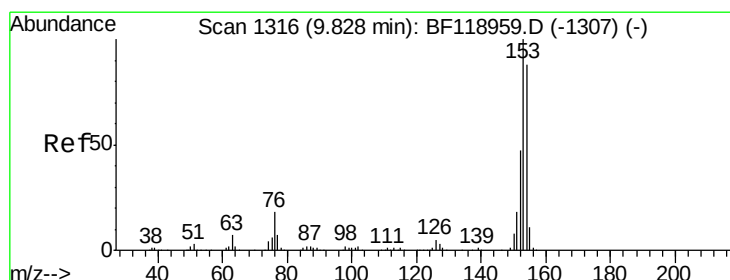
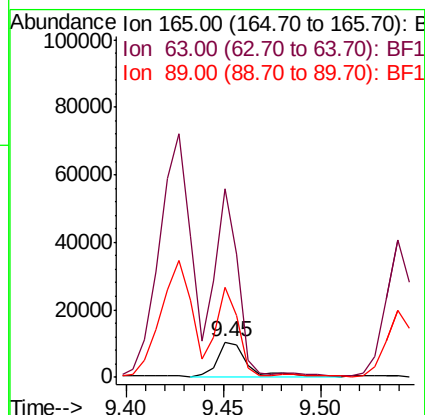
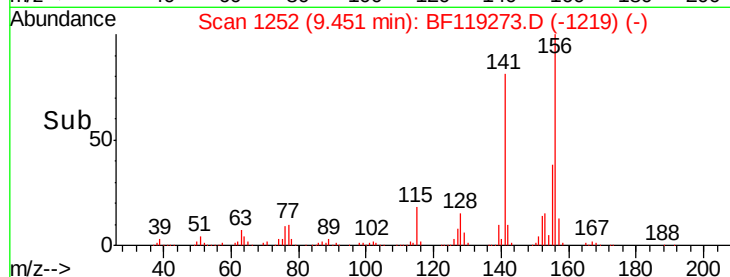
89 252.0 38.3 57.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 89.806 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.01 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

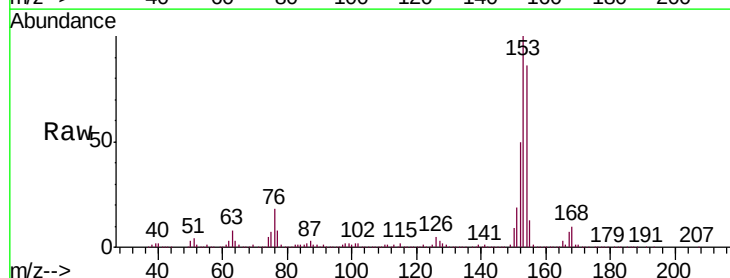
Tgt Ion:154 Resp: 1021931

Ion Ratio Lower Upper

154 100

153 116.1 90.3 135.5

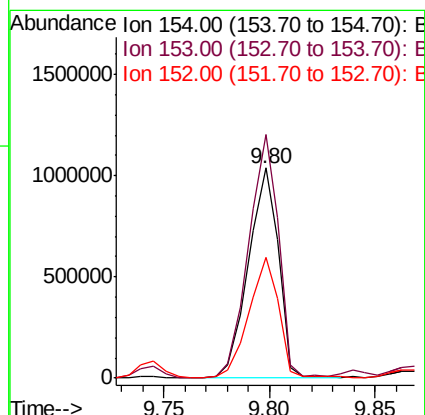
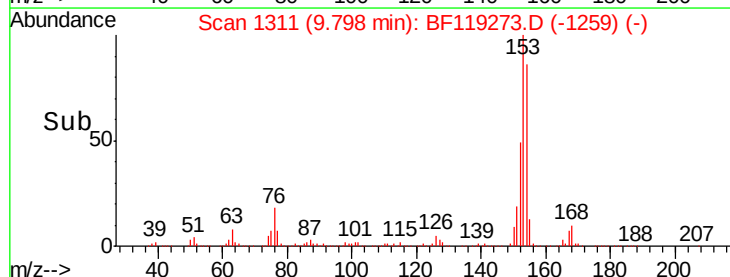
152 57.5 43.8 65.8

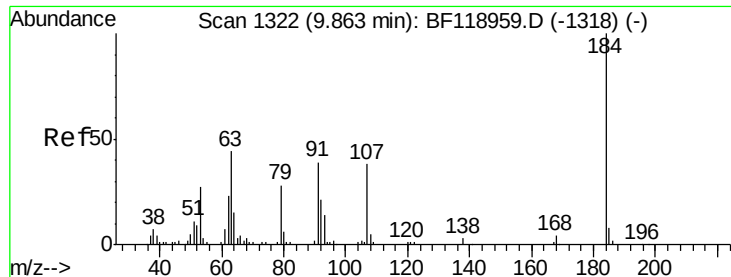


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

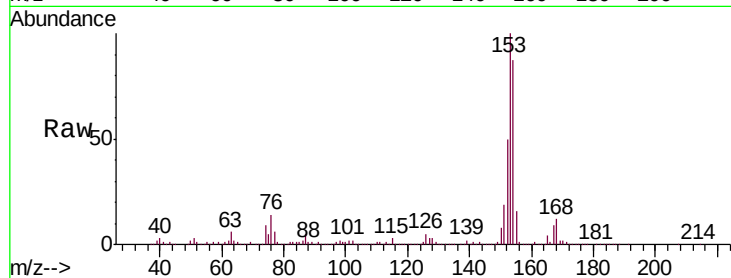




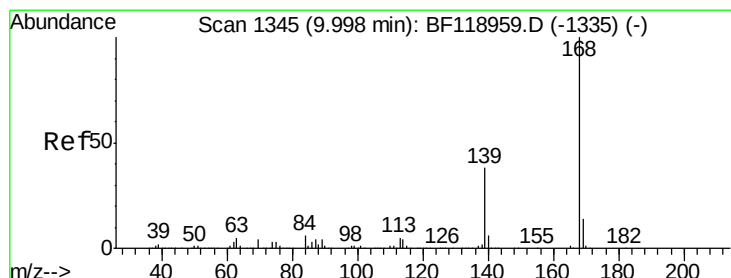
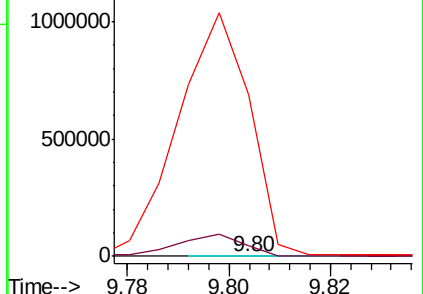
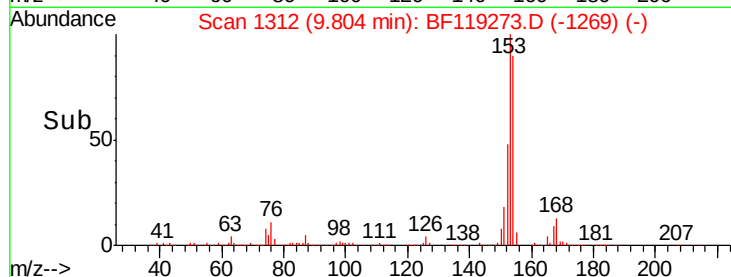
#54
 2,4-Dinitrophenol
 Concen: 7.674 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.05 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-030420

Tgt Ion:184 Resp: 363
 Ion Ratio Lower Upper
 184 100
 63 8155.1 38.7 58.1#
 154 124382.6 49.7 74.5#

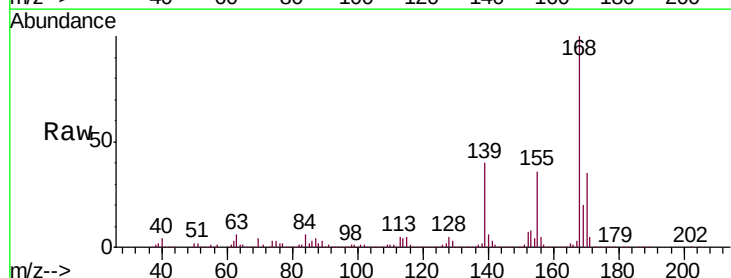


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

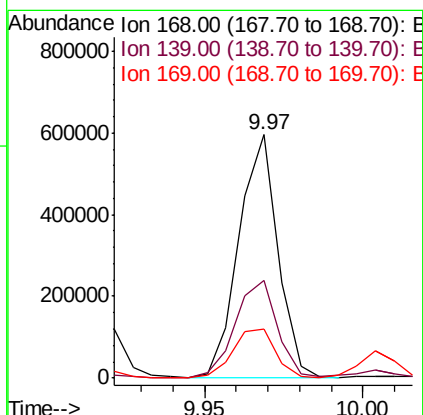
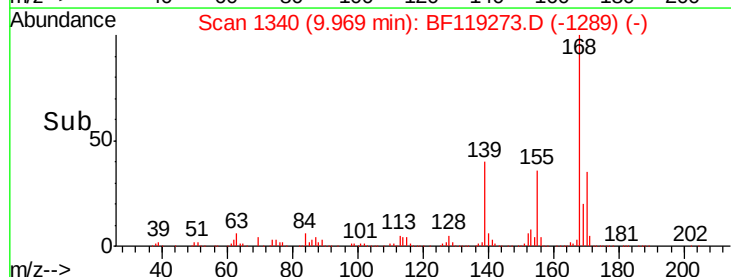


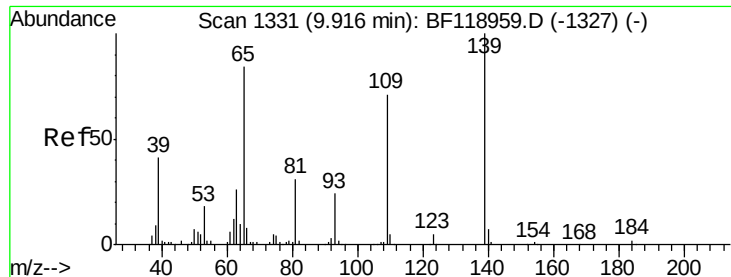
#55
 Dibenzofuran
 Concen: 29.650 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Tgt Ion:168 Resp: 503599
 Ion Ratio Lower Upper
 168 100
 139 40.1 34.0 51.0
 169 20.0 11.0 16.4#



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

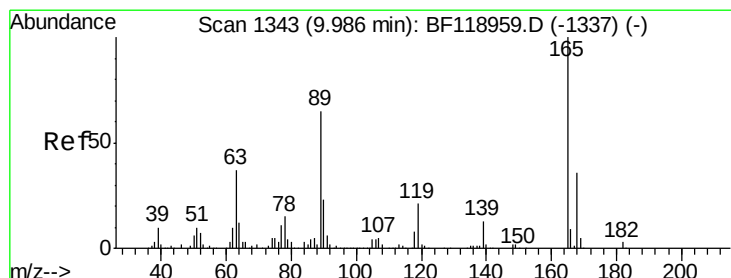
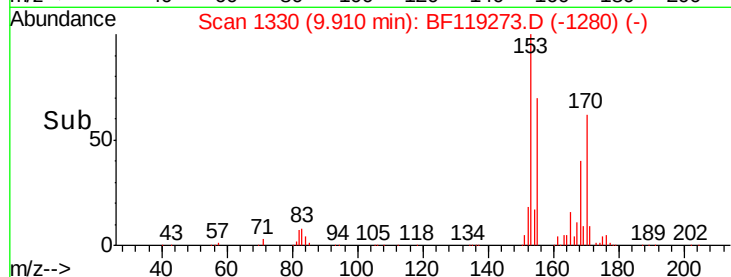
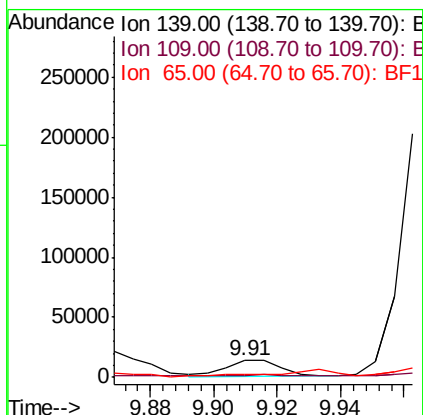
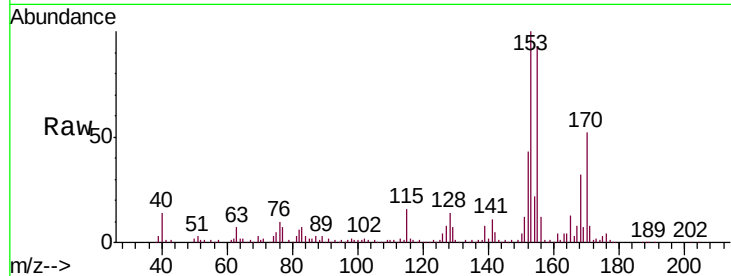




#56
4-Nitrophenol
Concen: 7.377 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

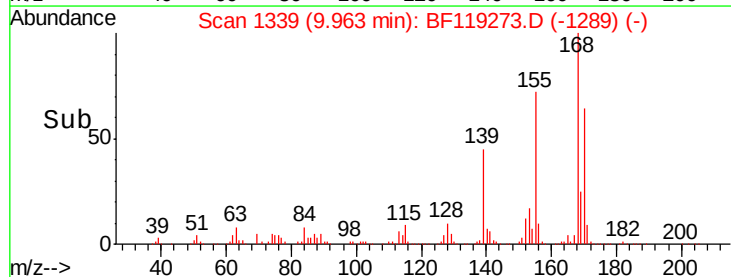
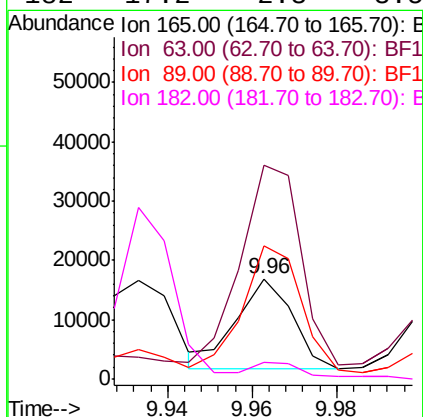
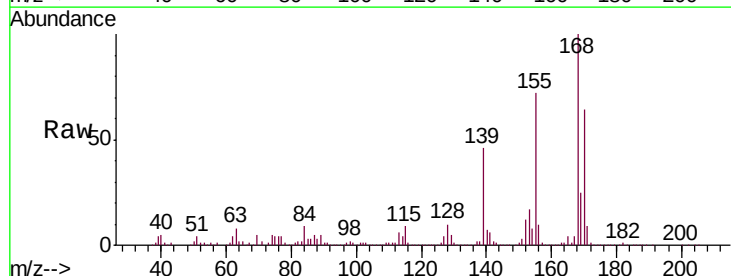
Instrument :
BNA_F
ClientSampleId :
SU-04-030420

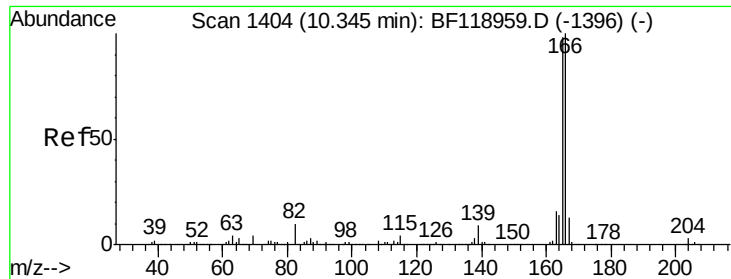
Tgt Ion:139 Resp: 16747
Ion Ratio Lower Upper
139 100
109 10.7 56.7 96.7#
65 19.7 65.0 105.0#



#57
2,4-Dinitrotoluene
Concen: 3.175 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion:165 Resp: 14028
Ion Ratio Lower Upper
165 100
63 212.9 42.3 63.5#
89 132.8 60.2 90.4#
182 17.2 2.3 3.5#





#58

Fluorene

Concen: 118.905 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

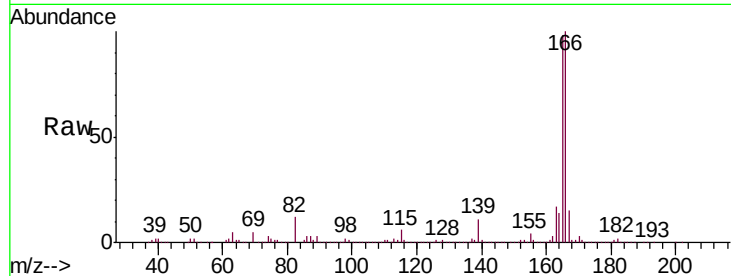
Tgt Ion:166 Resp: 1569319

Ion Ratio Lower Upper

166 100

165 98.2 78.5 117.7

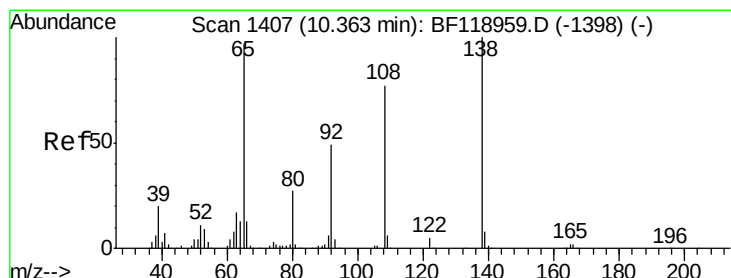
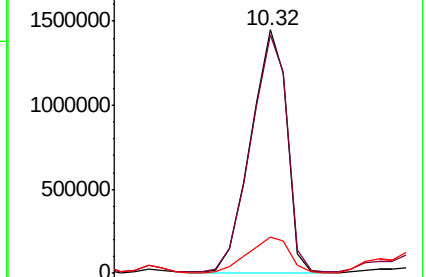
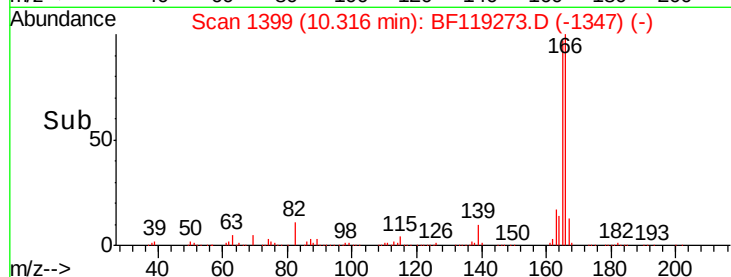
167 14.8 11.0 16.4



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



#62

4-Nitroaniline

Concen: 5.452 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.03 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

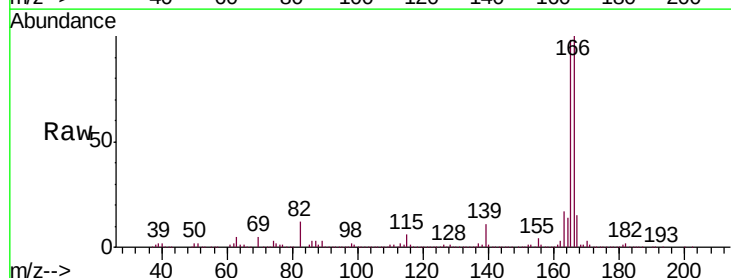
Tgt Ion:138 Resp: 21076

Ion Ratio Lower Upper

138 100

92 3.1 27.3 67.3#

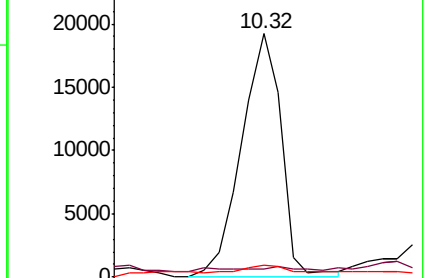
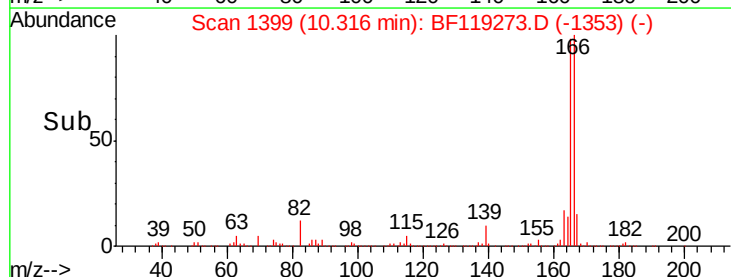
108 5.0 57.0 97.0#

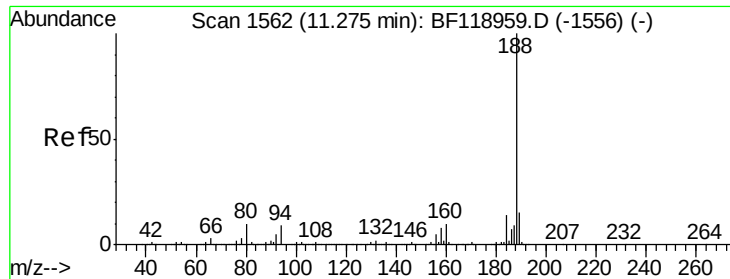


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

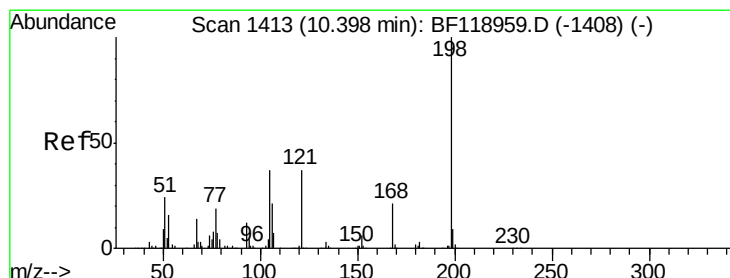
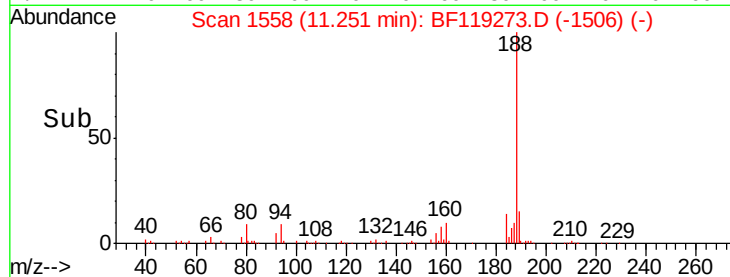
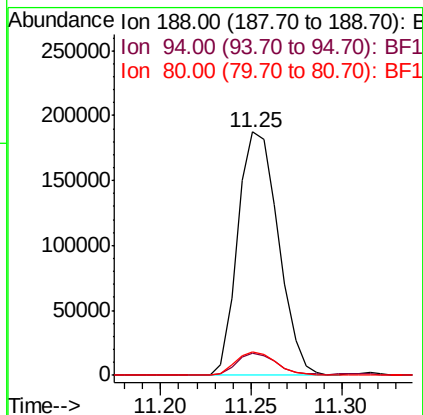
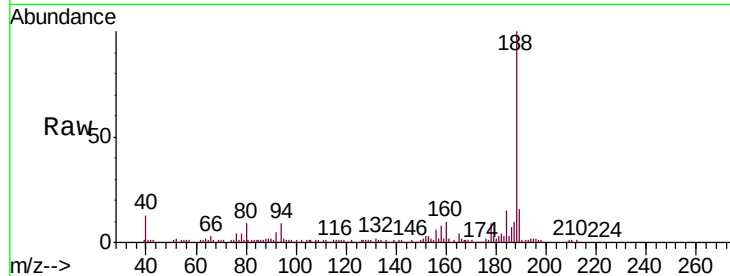




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

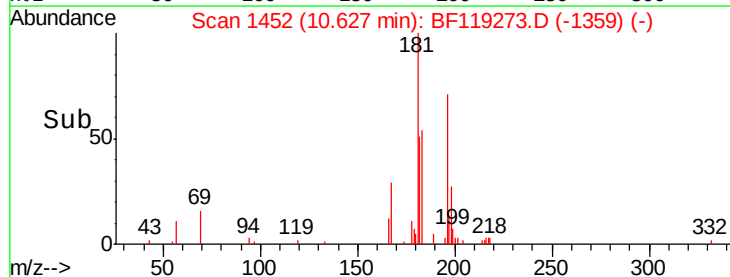
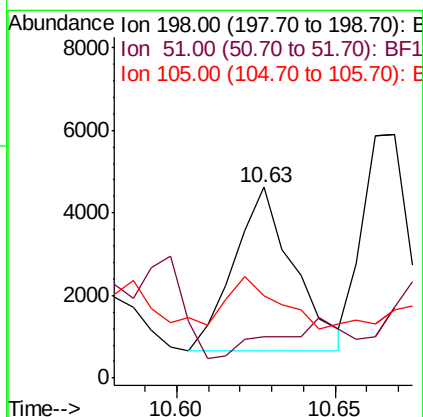
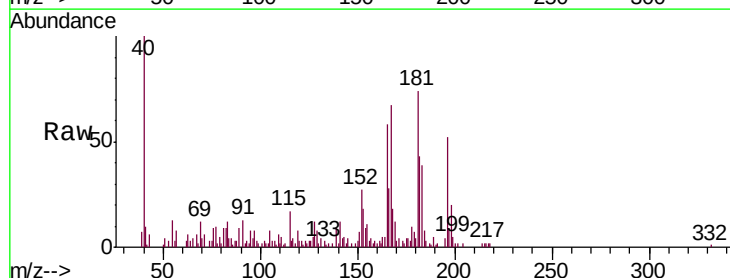
Instrument :
BNA_F
ClientSampleId :
SU-04-030420

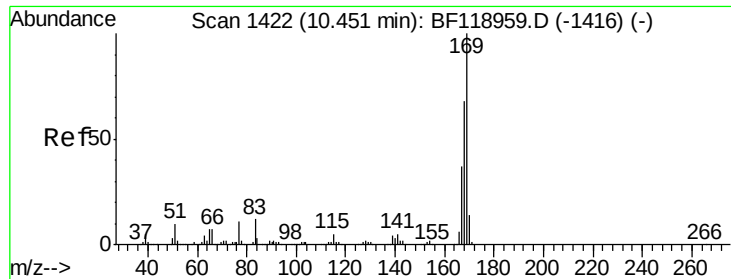
Tgt Ion:188 Resp: 291828
Ion Ratio Lower Upper
188 100
94 9.0 7.1 10.7
80 9.5 7.8 11.8



#65
4,6-Dinitro-2-methylphenol
Concen: 2.922 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.25 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion:198 Resp: 5160
Ion Ratio Lower Upper
198 100
51 21.8 14.2 54.2
105 43.1 22.7 62.7





#66

n-Nitrosodiphenylamine

Concen: 7.111 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.00 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

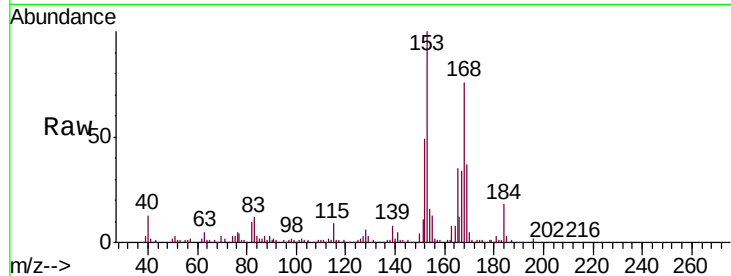
Tgt Ion:169 Resp: 67950

Ion Ratio Lower Upper

169 100

168 206.0 54.1 81.1#

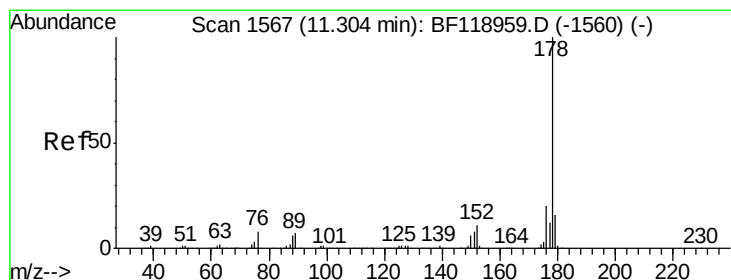
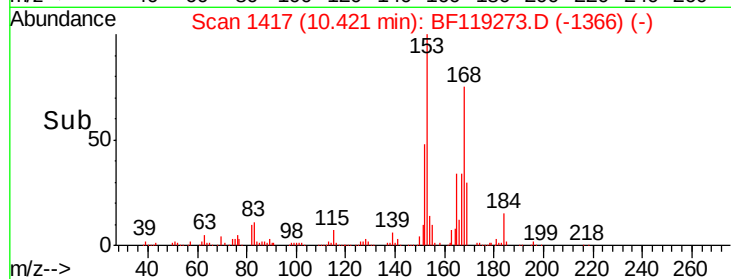
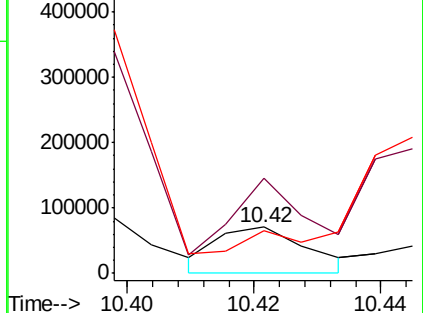
167 92.2 29.4 44.0#



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: 360.405 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.03 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

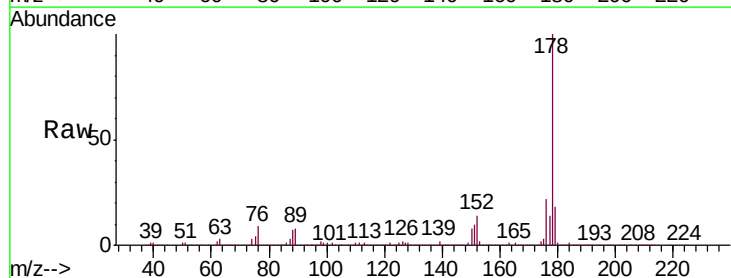
Tgt Ion:178 Resp: 5735800

Ion Ratio Lower Upper

178 100

176 22.4 16.5 24.7

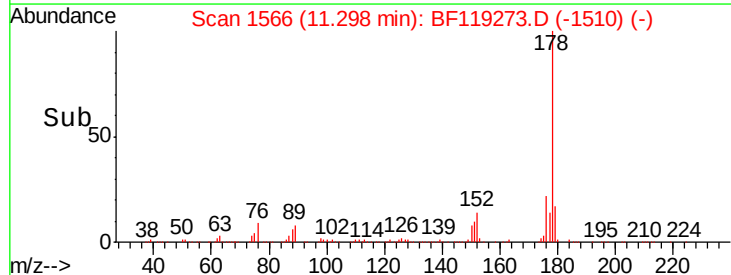
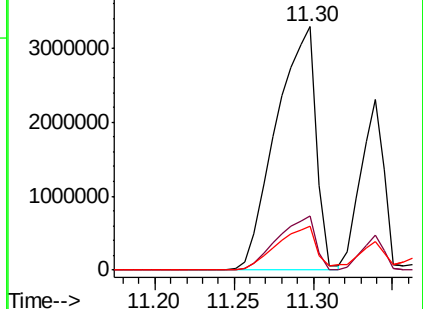
179 17.9 13.0 19.6

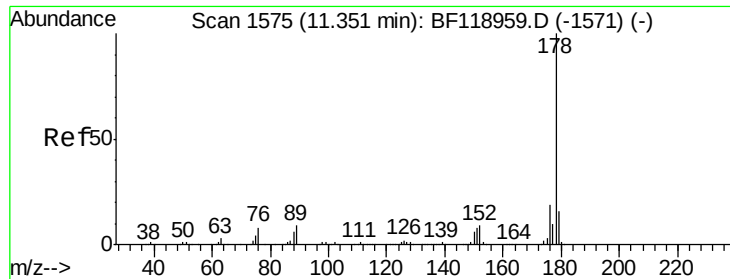


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

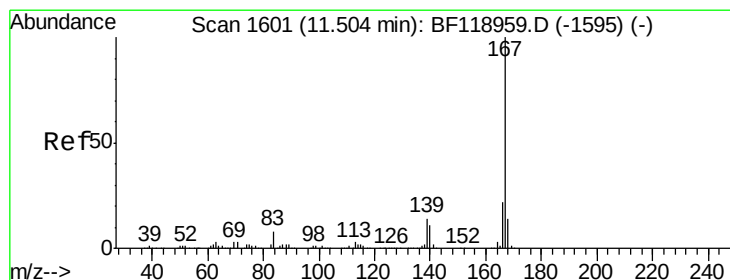
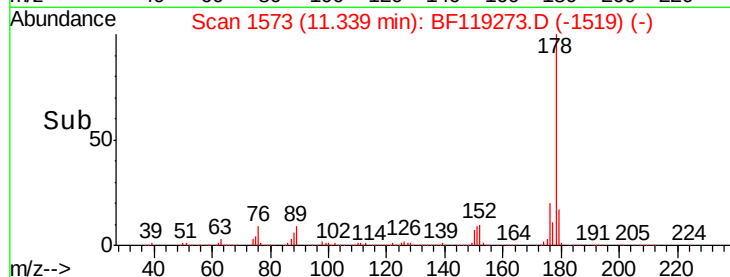
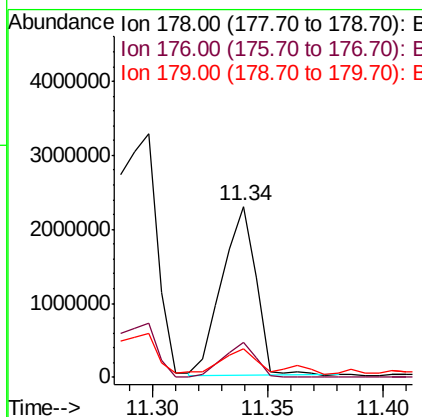
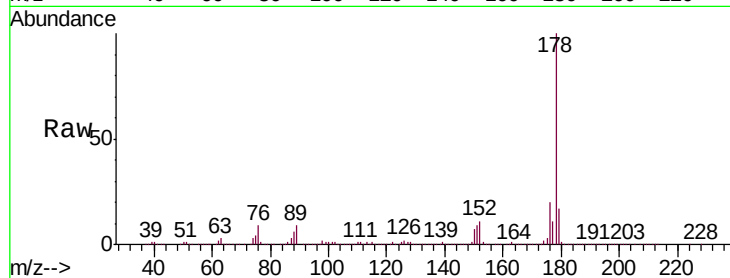




#72
 Anthracene
 Concen: 148.029 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.02 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

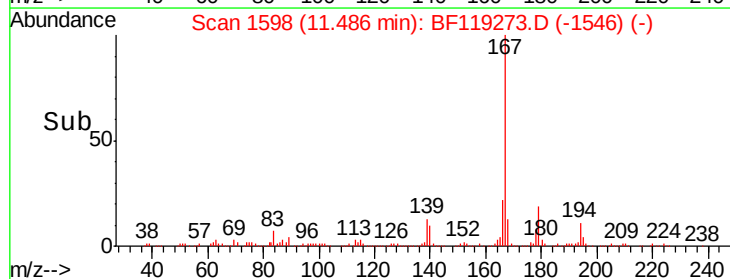
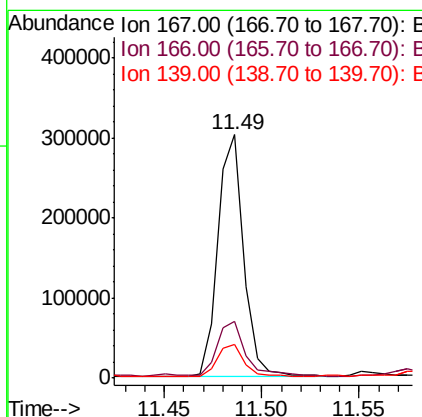
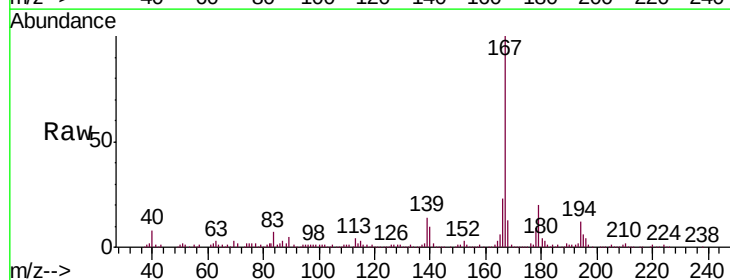
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-030420

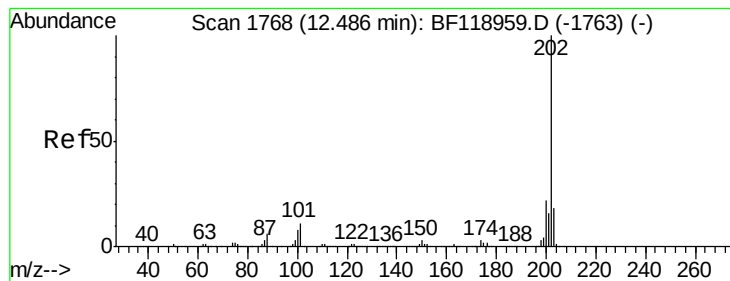
Tgt Ion:178 Resp: 2353905
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.0 24.0
 179 16.7 13.1 19.7



#73
 Carbazole
 Concen: 19.602 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Tgt Ion:167 Resp: 277693
 Ion Ratio Lower Upper
 167 100
 166 23.2 18.2 27.4
 139 13.8 11.7 17.5





#75

Fluoranthene

Concen: 174.856 ng

RT: 12.47 min Scan# 1766

Delta R.T. 0.02 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

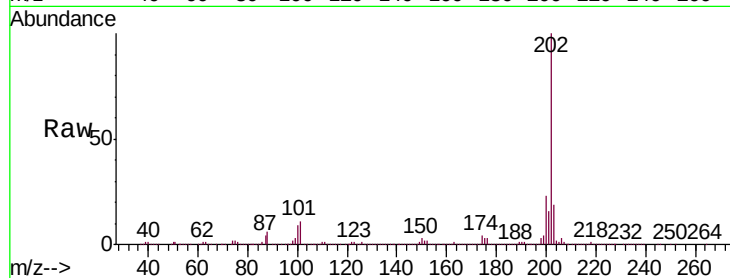
Tgt Ion:202 Resp: 2953872

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.3

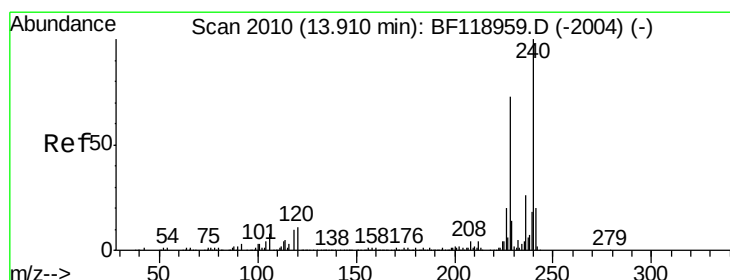
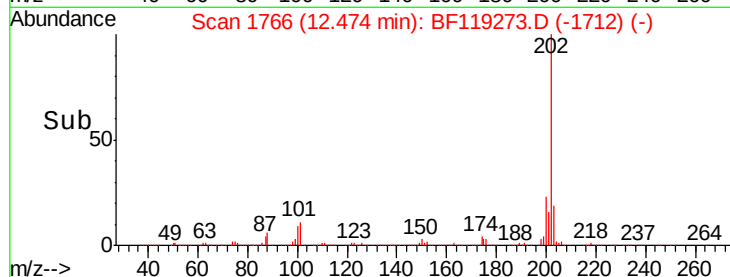
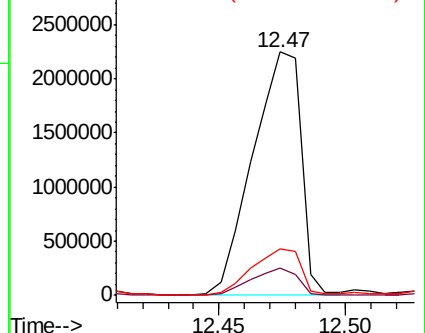
203 19.1 0.0 38.4



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: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

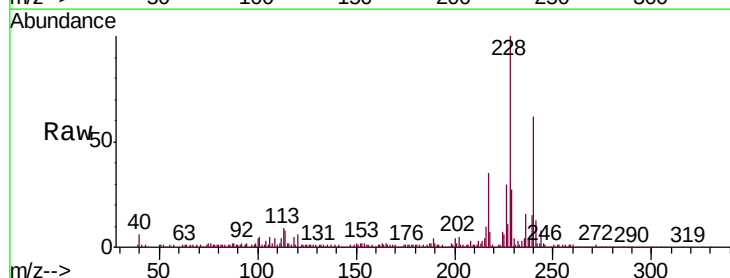
Tgt Ion:240 Resp: 234448

Ion Ratio Lower Upper

240 100

120 9.8 8.4 12.6

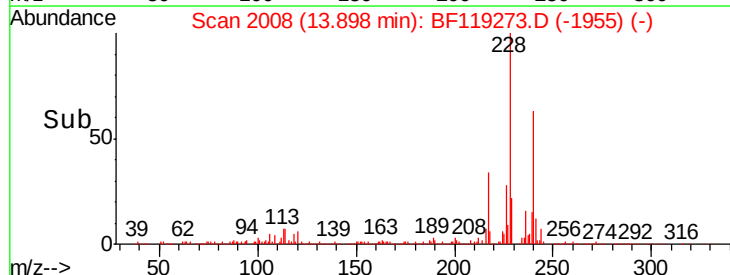
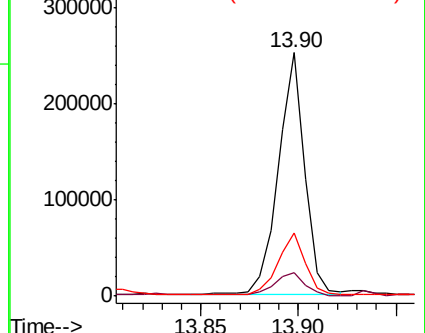
236 26.1 21.0 31.4

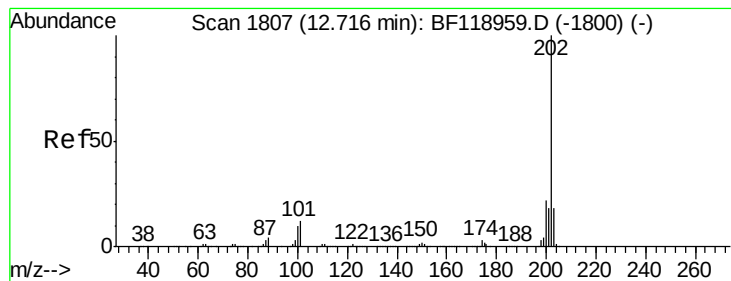


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 199.685 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.02 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

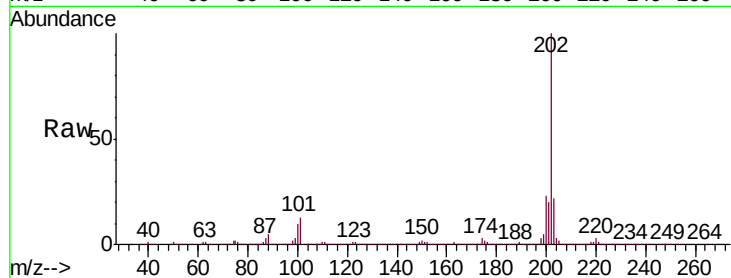
Tgt Ion:202 Resp: 3759240

Ion Ratio Lower Upper

202 100

200 23.3 18.0 27.0

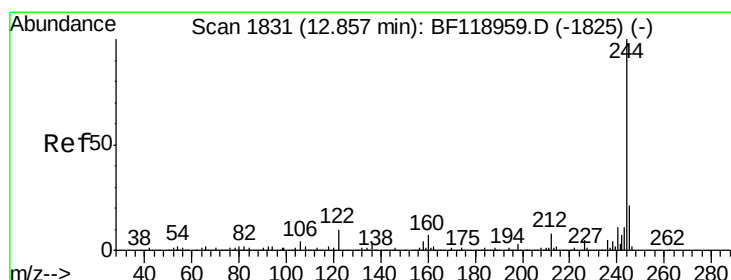
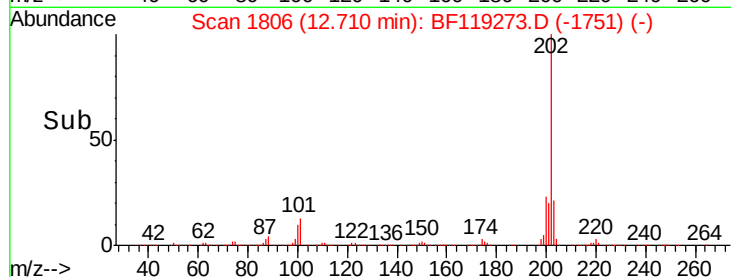
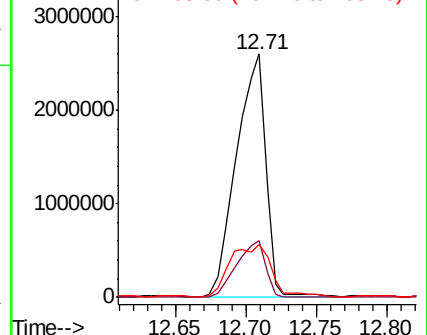
203 21.9 14.6 22.0



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: 15.268 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

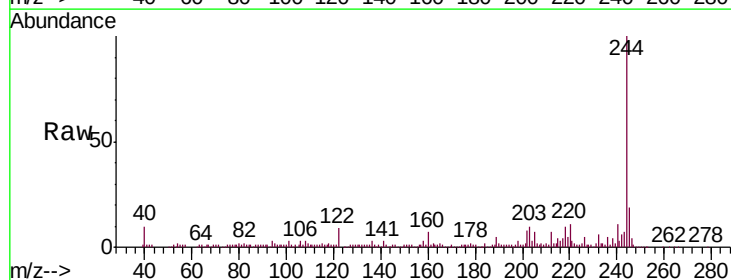
Tgt Ion:244 Resp: 207909

Ion Ratio Lower Upper

244 100

212 7.0 6.6 10.0

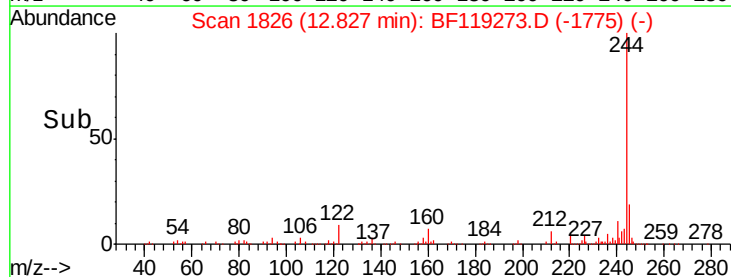
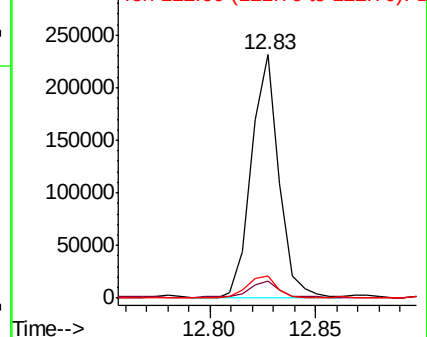
122 9.3 8.2 12.2

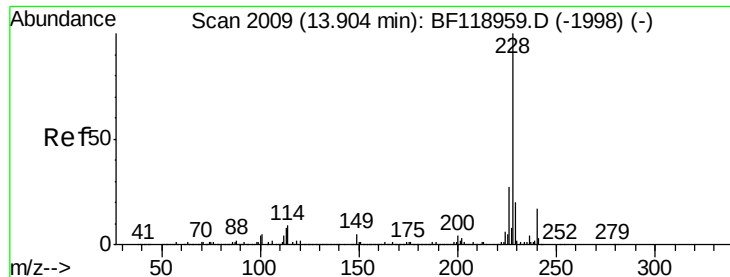


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 115.677 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

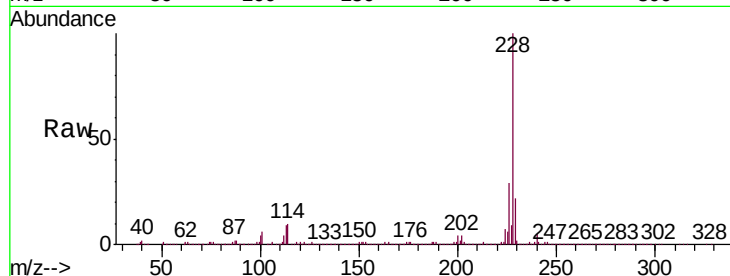
Tgt Ion:228 Resp: 1847878

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

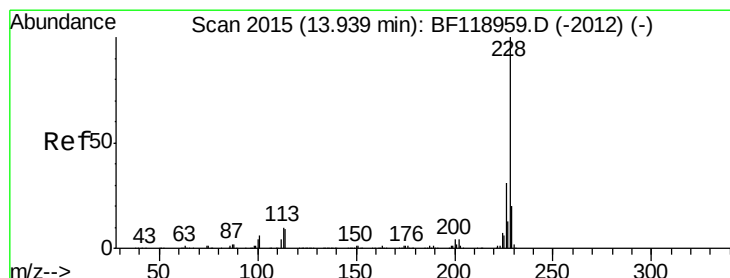
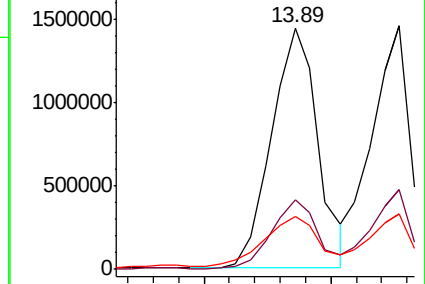
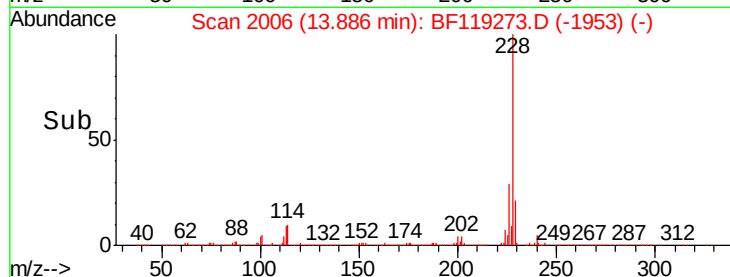
229 22.0 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 95.762 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

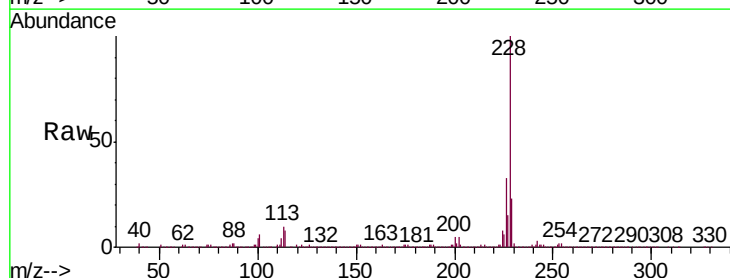
Tgt Ion:228 Resp: 1524272

Ion Ratio Lower Upper

228 100

226 32.7 25.1 37.7

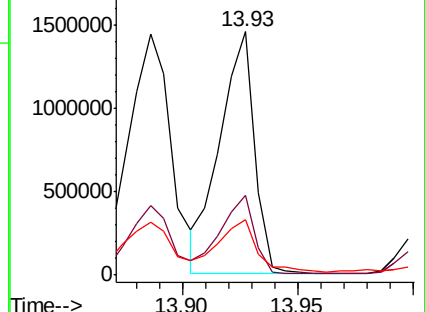
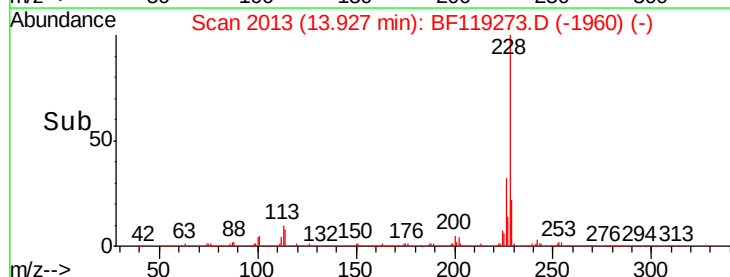
229 22.7 16.3 24.5

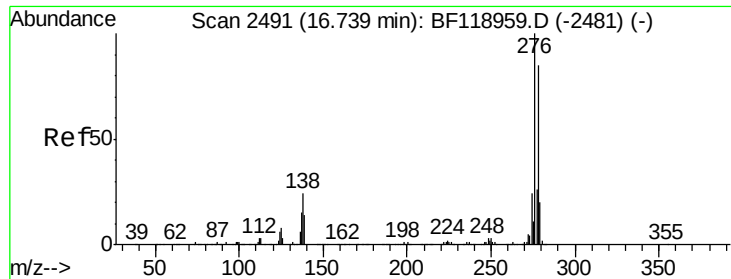


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

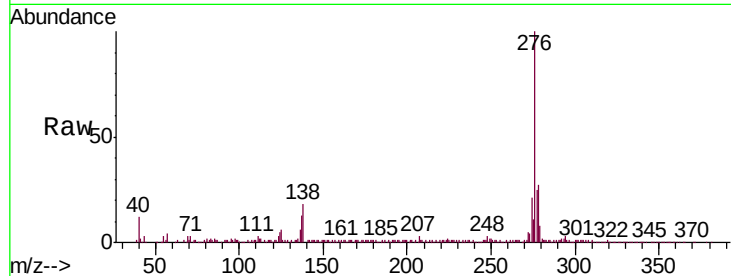




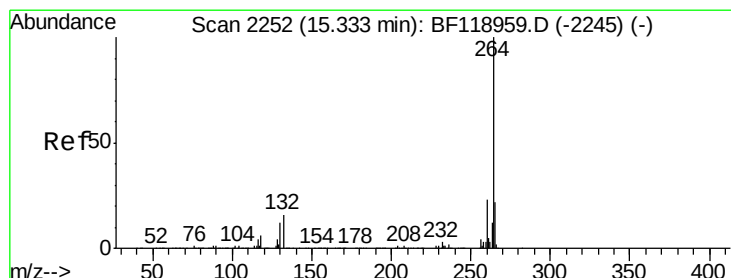
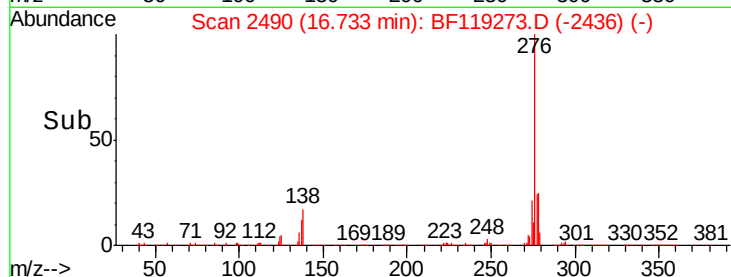
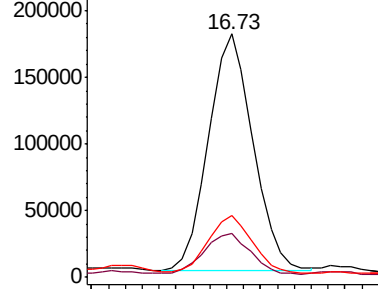
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 21.252 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. 0.02 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-030420

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.8	17.4	26.0
277	24.3	20.3	30.5

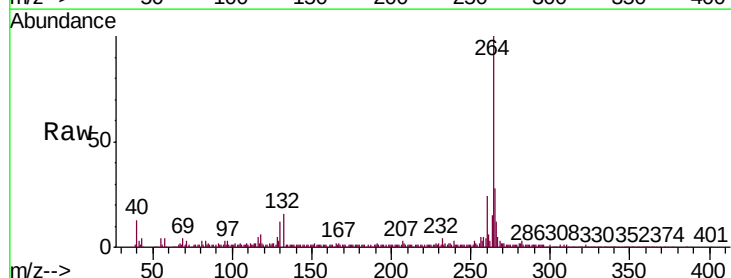


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

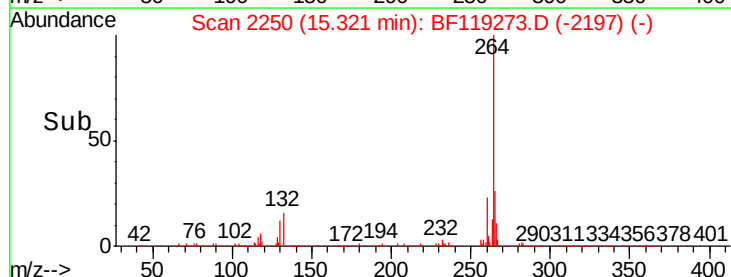
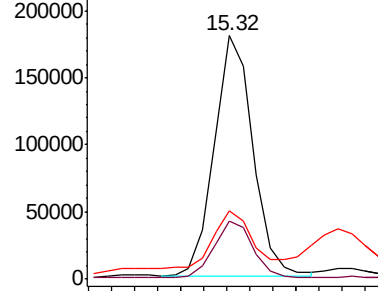


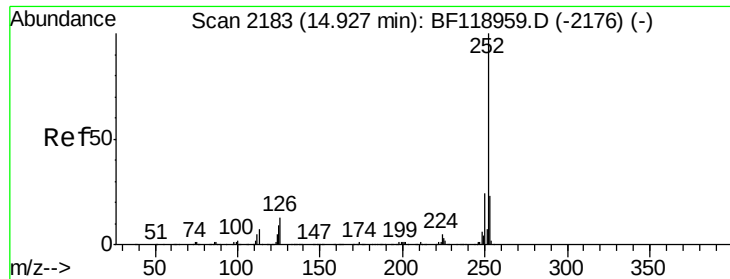
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF119273.D
 Acq: 7 Mar 2020 2:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	28.1	17.7	26.5



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

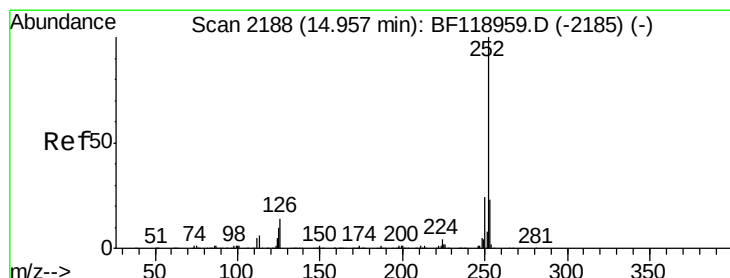
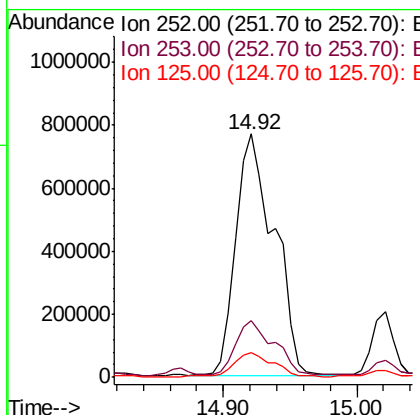
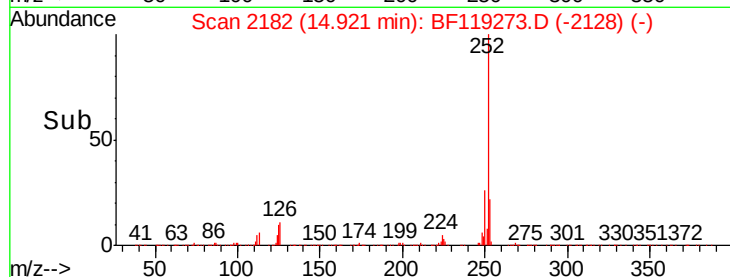
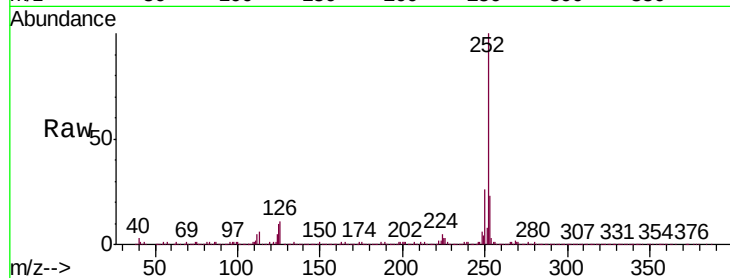




#88
Benzo(b)fluoranthene
Concen: 111.002 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

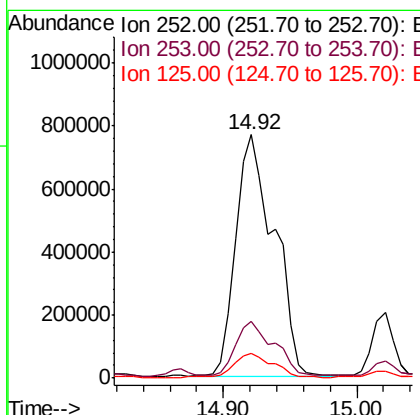
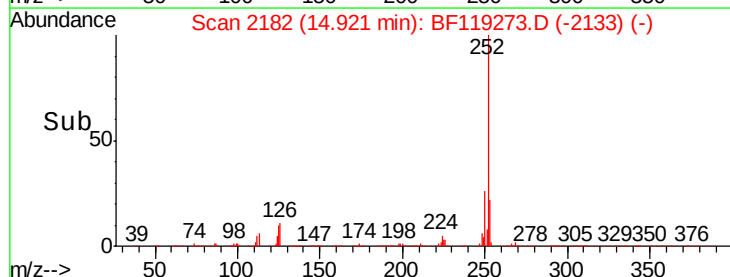
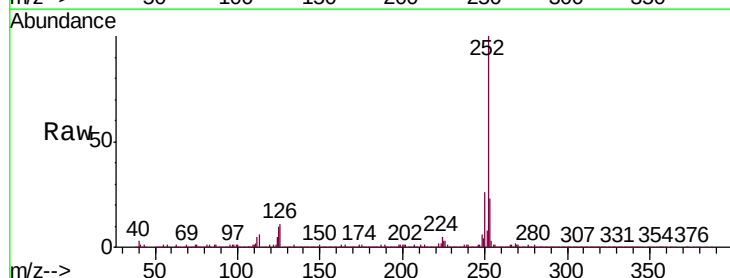
Instrument :
BNA_F
ClientSampleId :
SU-04-030420

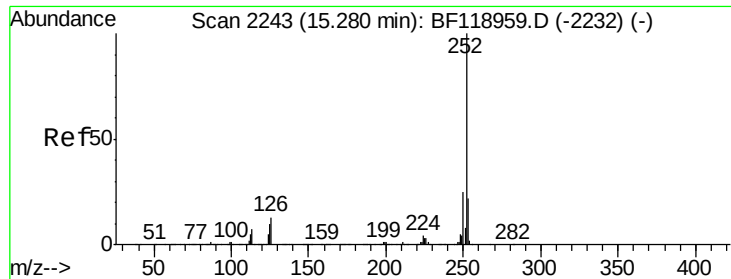
Tgt Ion:252 Resp: 1531308
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 10.3 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 119.062 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF119273.D
Acq: 7 Mar 2020 2:32

Tgt Ion:252 Resp: 1522131
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.3 7.5 11.3





#90

Benzo(a)pyrene

Concen: 80.055 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.02 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

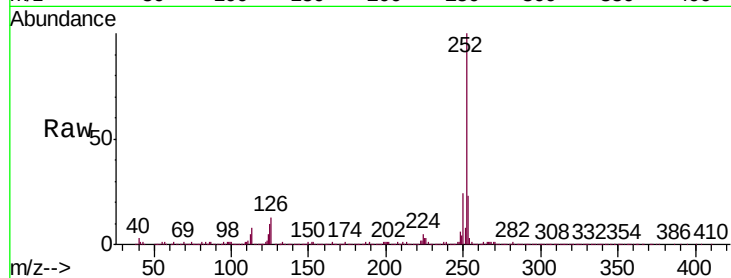
Tgt Ion:252 Resp: 996733

Ion Ratio Lower Upper

252 100

253 23.4 18.0 27.0

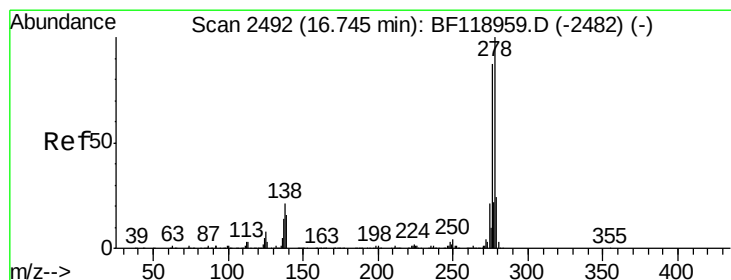
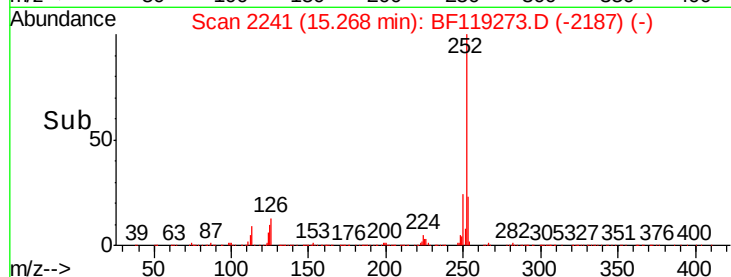
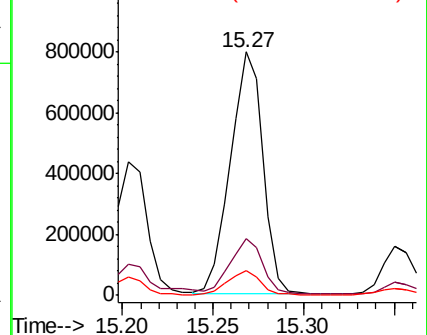
125 9.9 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 5.724 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.23 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

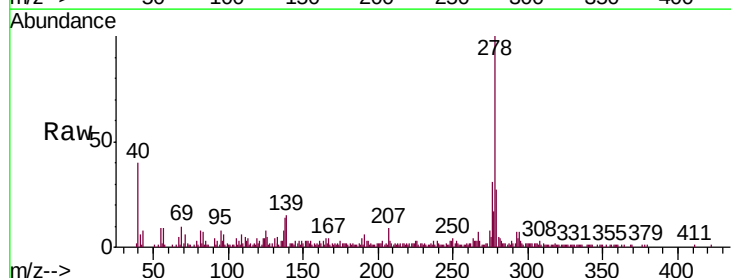
Tgt Ion:278 Resp: 62705

Ion Ratio Lower Upper

278 100

139 14.7 11.0 16.4

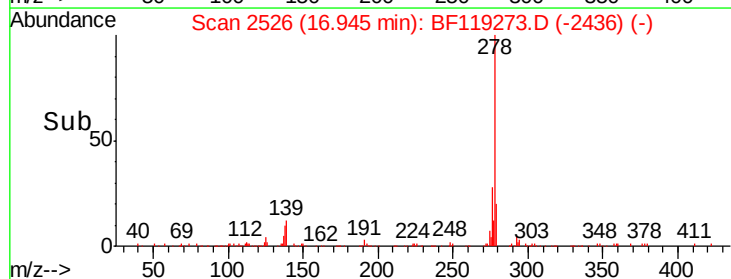
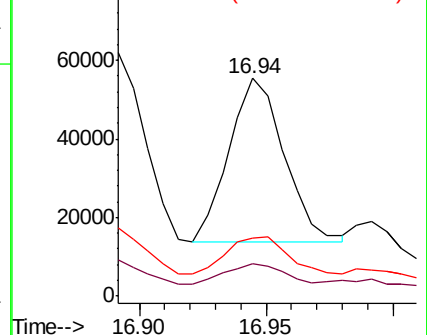
279 26.6 18.6 28.0

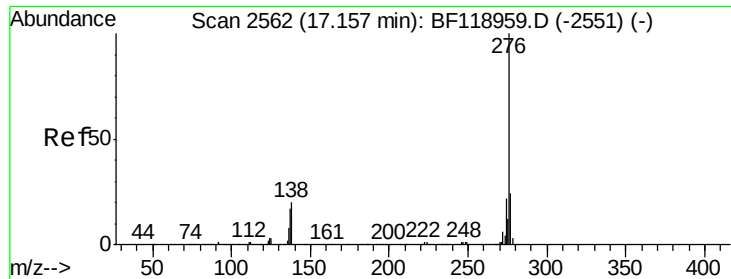


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 28.449 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.02 min

Lab File: BF119273.D

Acq: 7 Mar 2020 2:32

Instrument :

BNA_F

ClientSampleId :

SU-04-030420

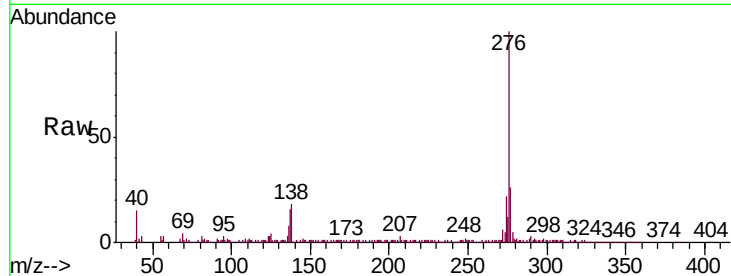
Tgt Ion: 276 Resp: 307941

Ion Ratio Lower Upper

276 100

277 25.8 18.7 28.1

138 18.4 14.3 21.5



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

