

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119121.D
 Acq On : 27 Feb 2020 20:38
 Operator : CG/JU
 Sample : L1363-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 02:57:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	139617	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	428981	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	212574	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	340164	20.00	ng	0.00
76) Chrysene-d12	13.90	240	326333	20.00	ng	0.00
87) Perylene-d12	15.33	264	398102	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	584569	69.97	ng	0.00
7) Phenol-d6	6.39	99	669368	65.88	ng	-0.02
23) Nitrobenzene-d5	7.31	82	424901	52.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	151166	54.36	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	728884	50.51	ng	0.00
79) Terphenyl-d14	12.84	244	761329	40.17	ng	0.00

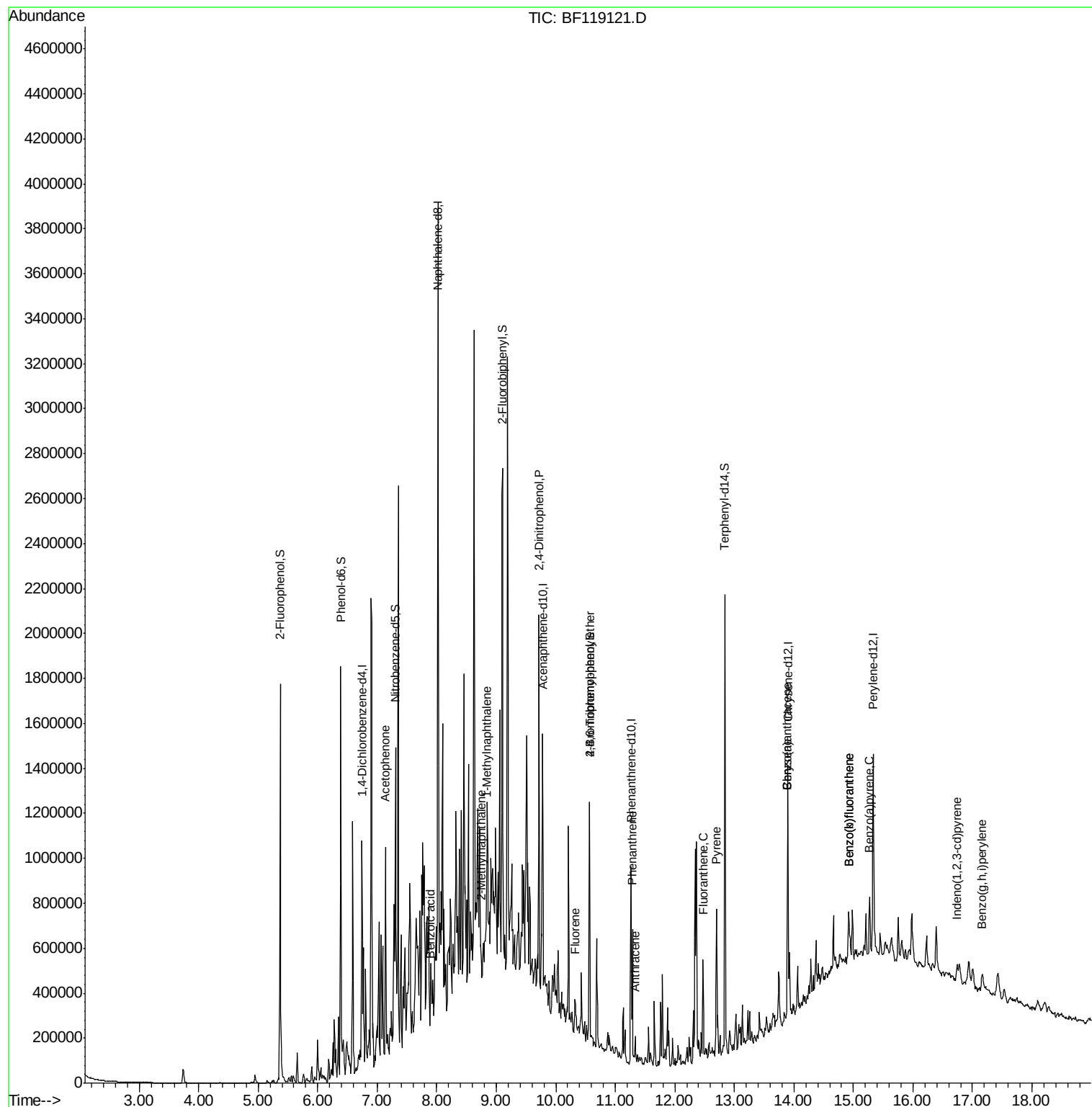
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Acetophenone	7.15	105	86558	8.721	ng	# 49
32) Benzoic acid	7.89	122	289	6.739	ng	# 1
37) 2-Methylnaphthalene	8.74	142	44479	2.971	ng	96
38) 1-Methylnaphthalene	8.84	142	43500	3.089	ng	# 99
54) 2,4-Dinitrophenol	9.72	184	112	7.533	ng	# 1
58) Fluorene	10.33	166	34576	2.472	ng	97
67) 4-Bromophenyl-phenylether	10.57	248	9894	2.225	ng	# 1
71) Phenanthrene	11.29	178	237043	12.778	ng	97
72) Anthracene	11.34	178	49073	2.648	ng	97
75) Fluoranthene	12.47	202	175278	8.901	ng	97
78) Pyrene	12.70	202	279530	10.667	ng	99
81) Benzo(a)anthracene	13.89	228	129071	5.805	ng	100
83) Chrysene	13.89	228	129071	5.826	ng	96
86) Indeno(1,2,3-cd)pyrene	16.74	276	47438	2.211	ng	96
88) Benzo(b)fluoranthene	14.92	252	153308	5.842	ng	# 92
89) Benzo(k)fluoranthene	14.92	252	153308	6.304	ng	# 92
90) Benzo(a)pyrene	15.27	252	112739	4.760	ng	# 94
92) Benzo(a,h,i)perylene	17.16	276	55006	2.672	ng	92

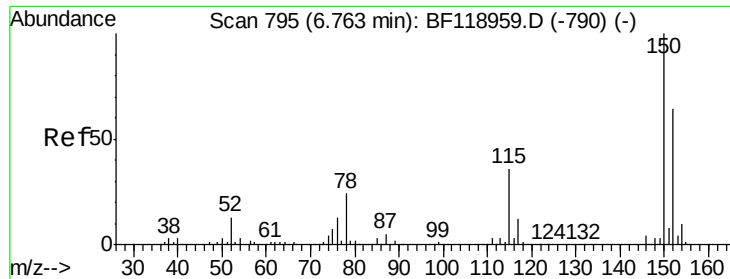
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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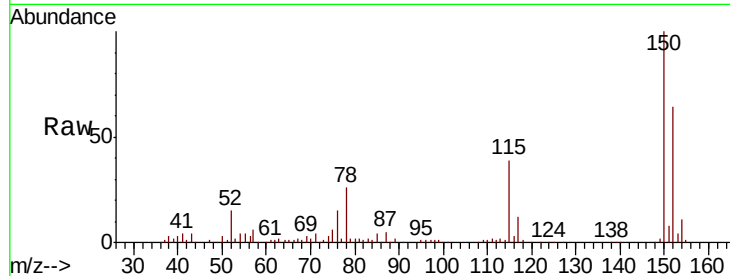


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.0	184.6
115	61.4	49.5	74.3

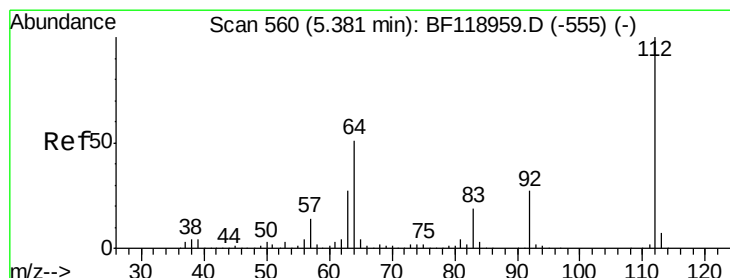
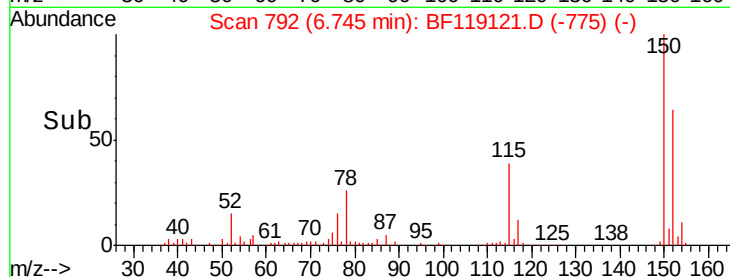
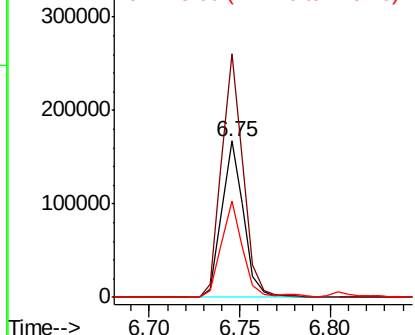


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

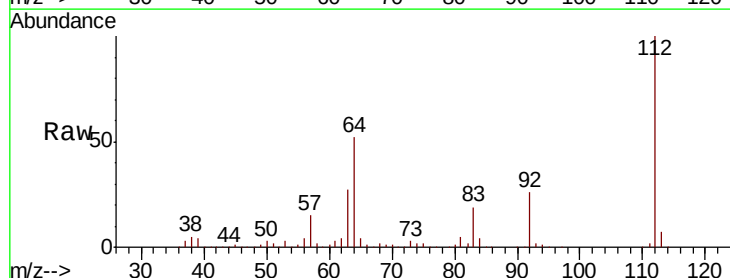
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.971 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	45.0	67.4
63	27.4	24.2	36.4

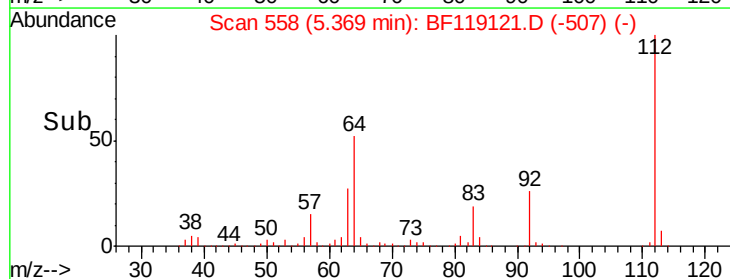
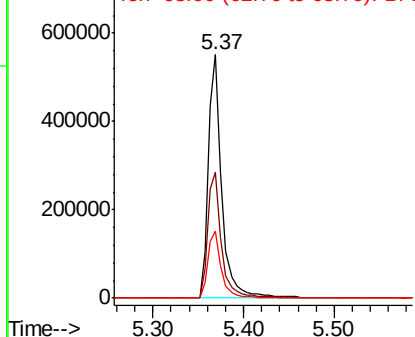


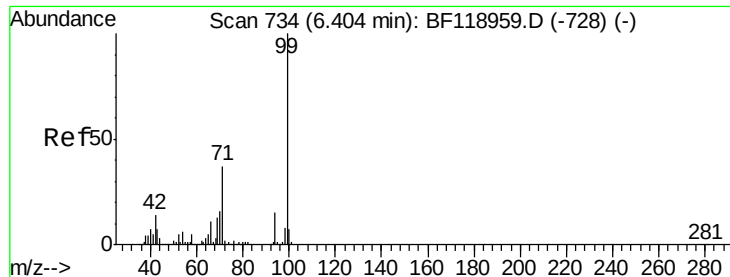
Abundance

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: 65.879 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampleId :

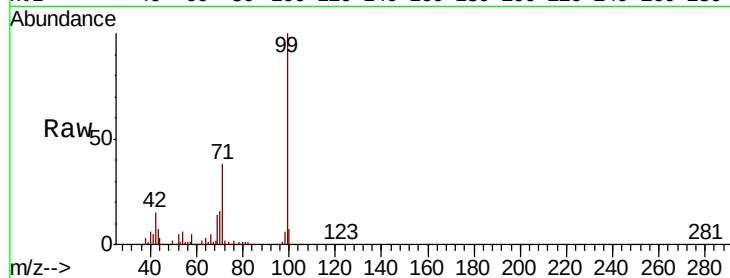
Tot Ion: 99 Resp: 669368

Ion Ratio Lower Upper

99 100

42 15.1 12.6 18.8

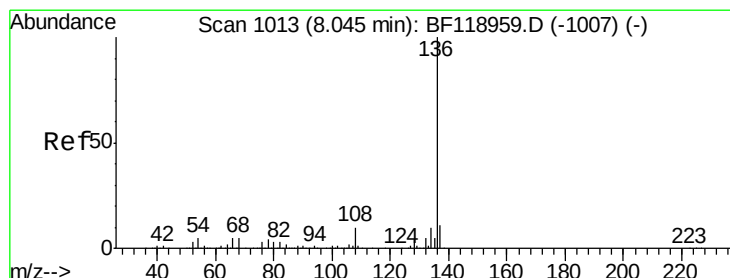
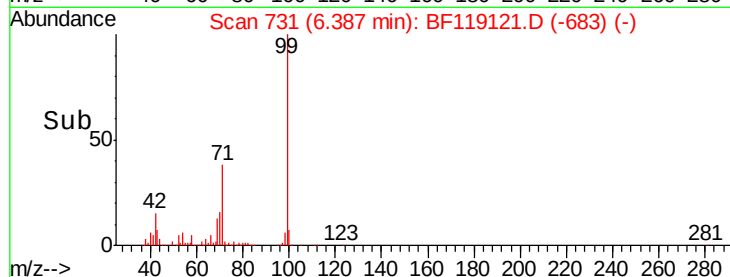
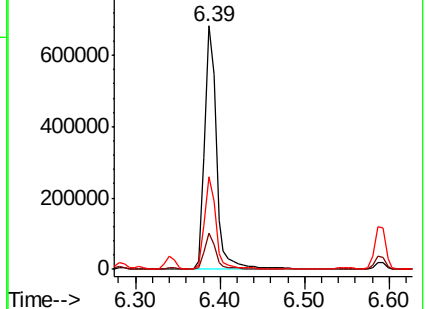
71 38.0 31.0 46.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Tgt Ion: 136 Resp: 428981

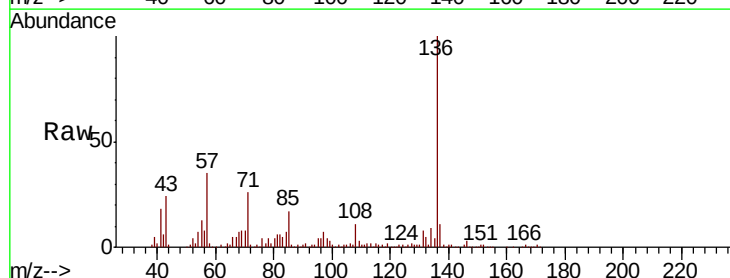
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 6.6 3.8 5.6#

68 6.7 3.9 5.9#

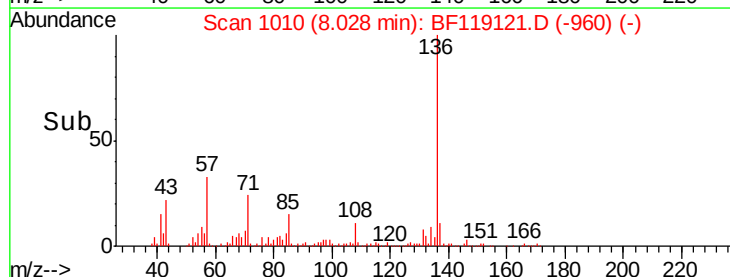
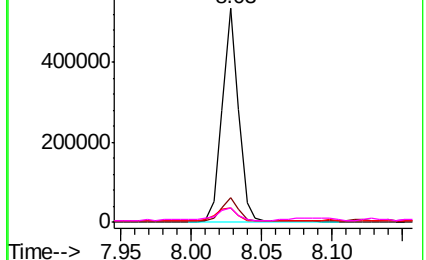


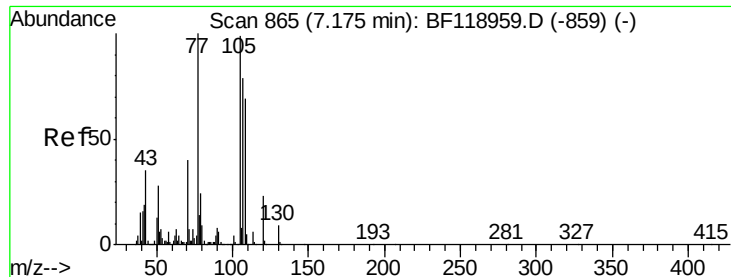
Abundance Ion 136.00 (135.70 to 136.70): E

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

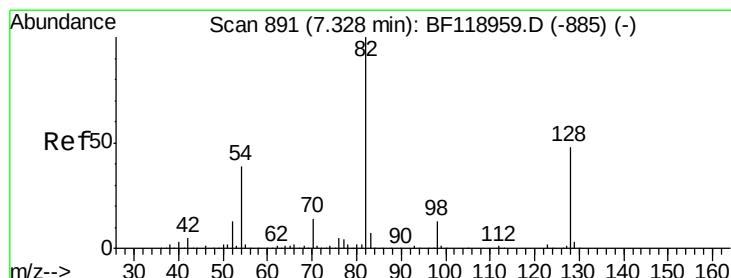
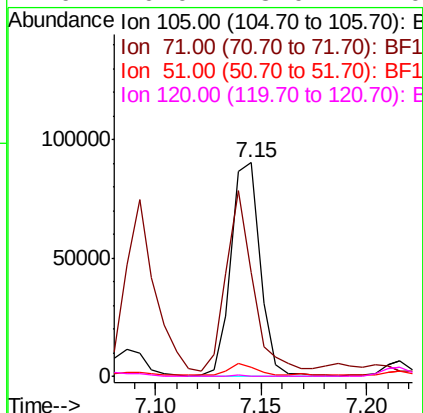
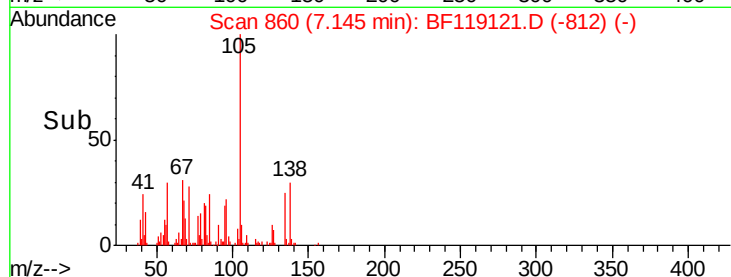
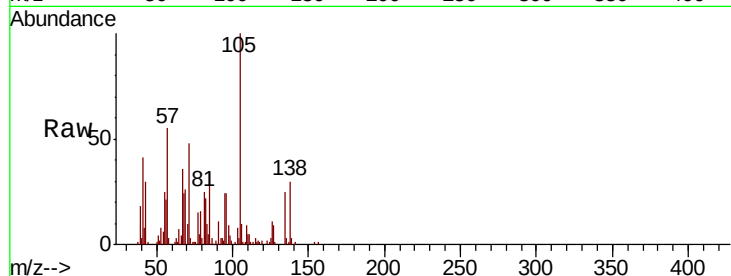




#22
Acetophenone
Concen: 8.721 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

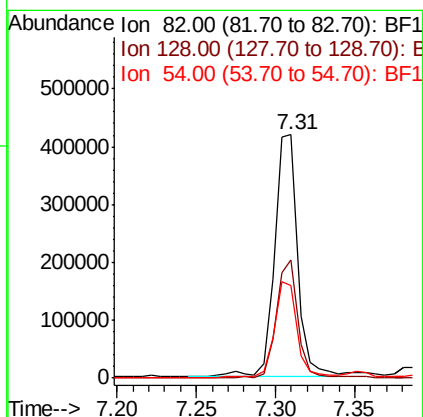
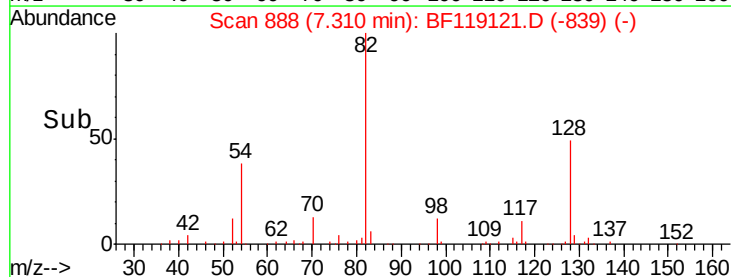
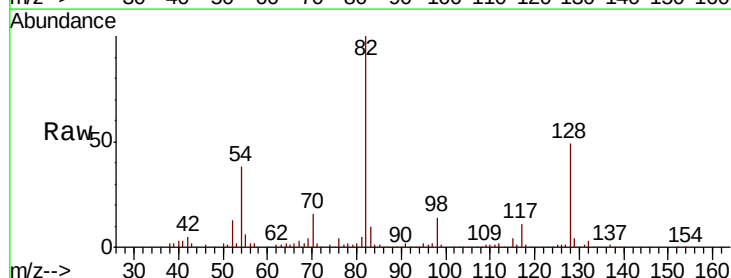
Instrument :
BNA_F
ClientSampleId :

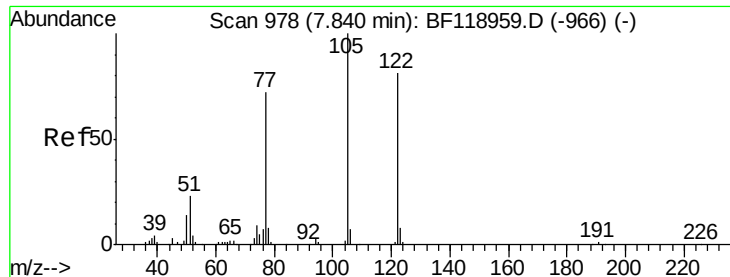
Tot Ion:105 Resp: 86558
Ion Ratio Lower Upper
105 100
71 48.4 3.0 4.4#
51 4.2 20.1 30.1#
120 0.0 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 52.298 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion: 82 Resp: 424901
Ion Ratio Lower Upper
82 100
128 48.5 37.9 56.9
54 38.0 33.4 50.2





#32

Benzoic acid

Concen: 6.739 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.02 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampleId :

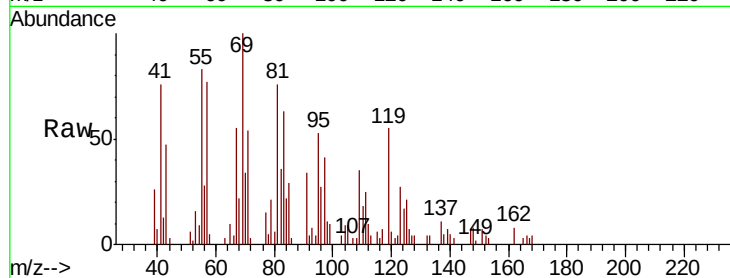
Tot Ion:122 Resp: 289

Ion Ratio Lower Upper

122 100

105 220.2 106.3 146.3#

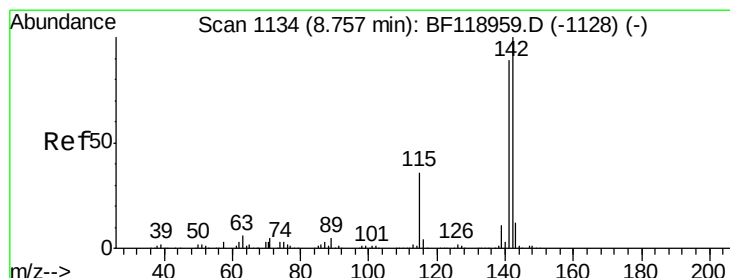
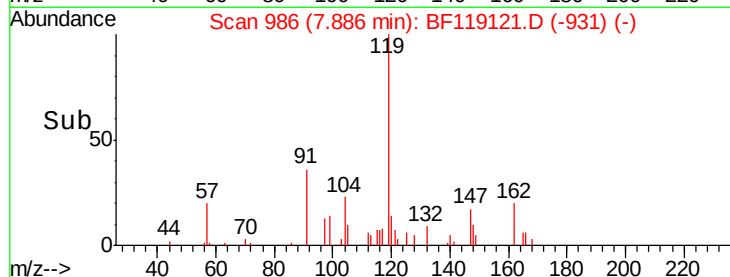
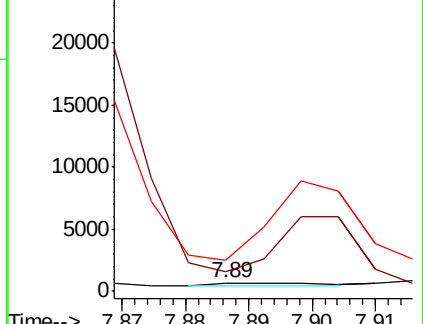
77 352.4 73.1 113.1#



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



#37

2-Methylnaphthalene

Concen: 2.971 ng

RT: 8.74 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

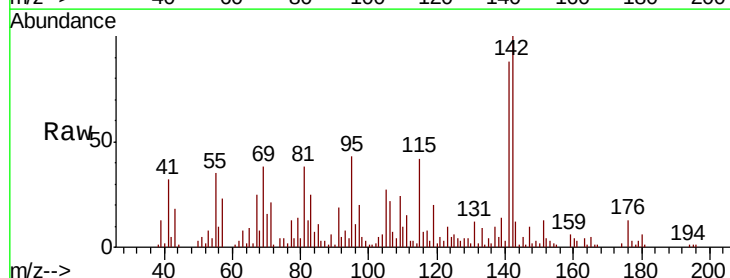
Tgt Ion:142 Resp: 44479

Ion Ratio Lower Upper

142 100

141 87.9 72.3 108.5

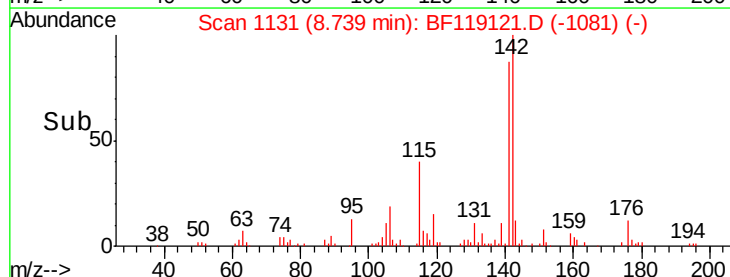
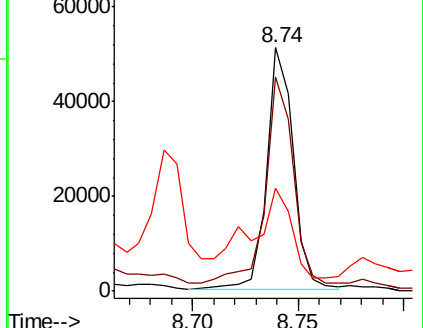
115 42.5 30.6 45.8

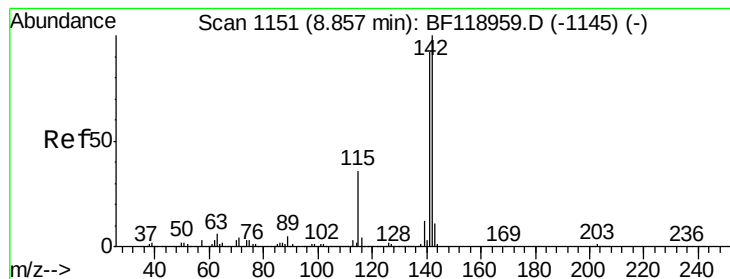


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 3.089 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampleId :

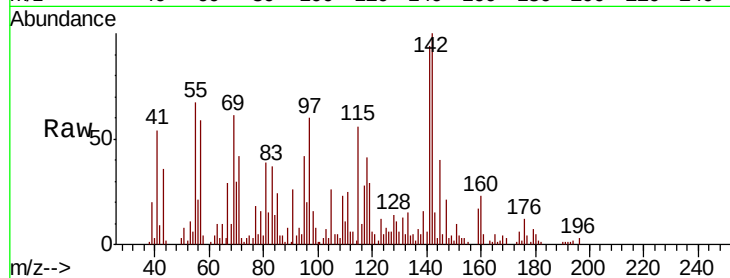
Tot Ion:142 Resp: 43500

Ion Ratio Lower Upper

142 100

141 94.1 75.8 113.6

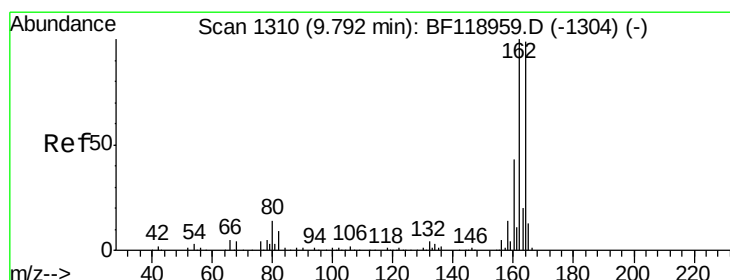
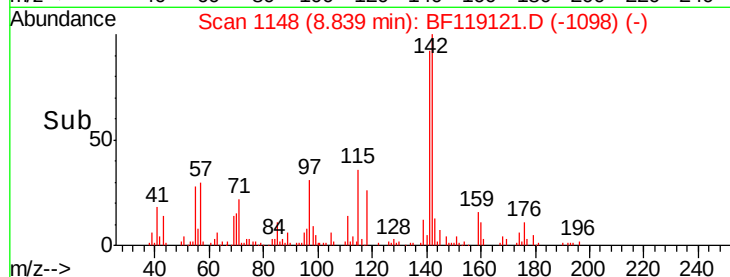
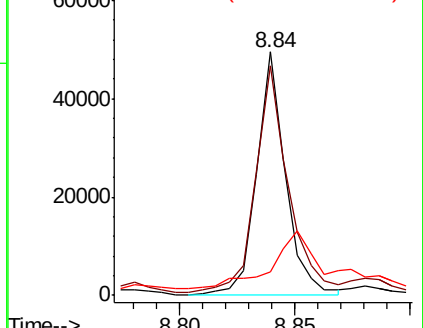
116 9.8 3.1 4.7#



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: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

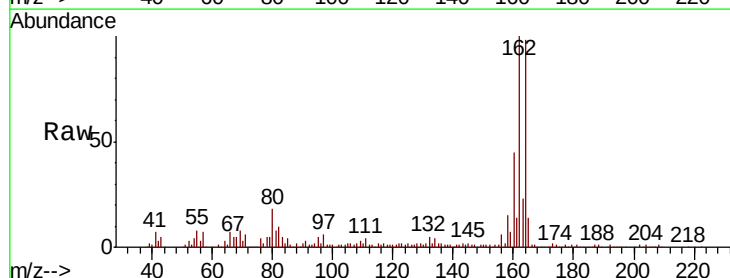
Tgt Ion:164 Resp: 212574

Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.8

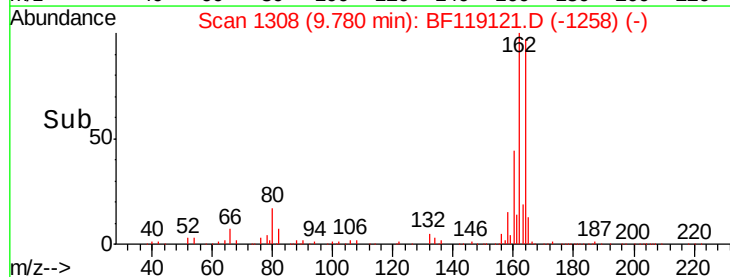
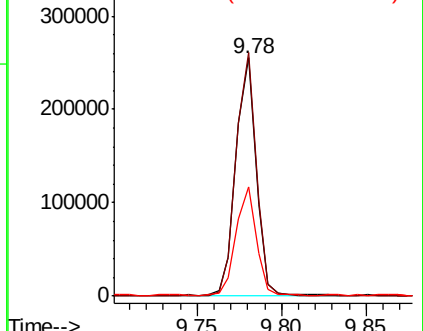
160 45.7 36.0 54.0

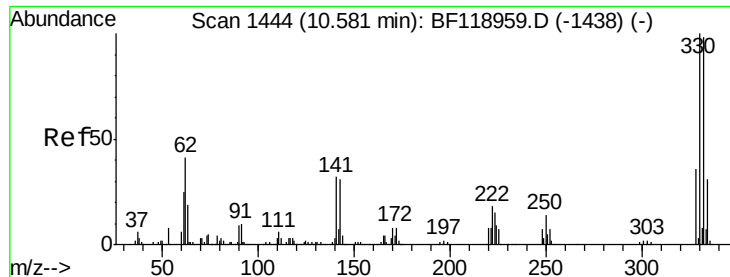


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

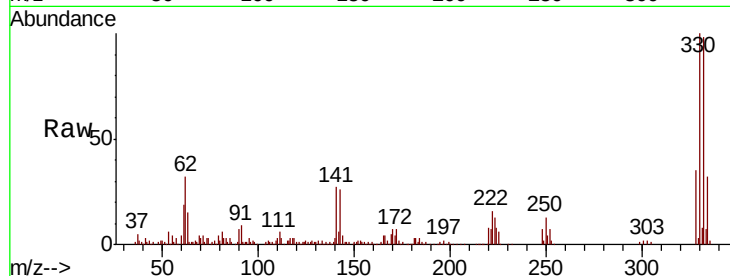




#42
 2,4,6-Tribromophenol
 Concen: 54.360 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.5	76.0	114.0
141	30.7	22.9	34.3

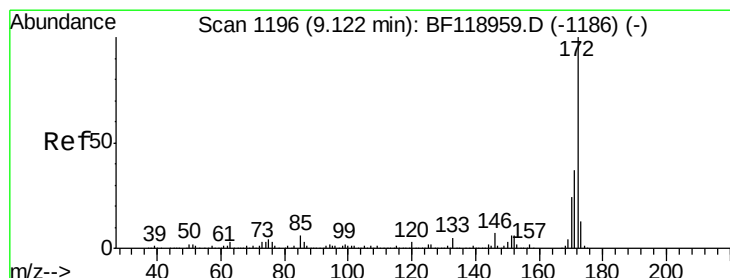
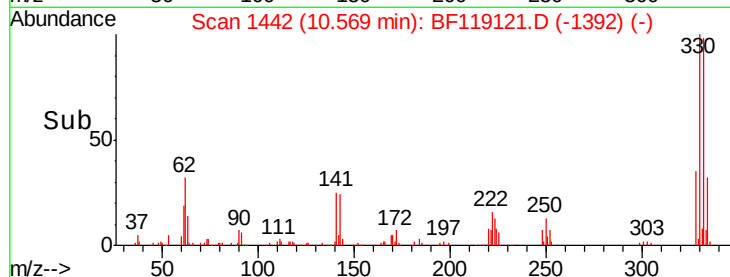
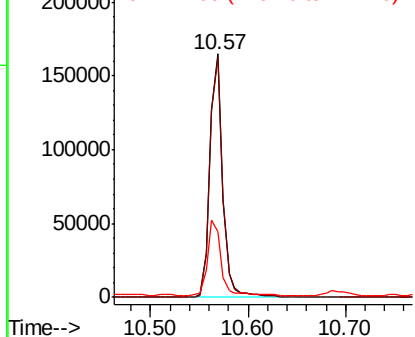


Abundance

Ion 329.80 (329.50 to 330.50): E

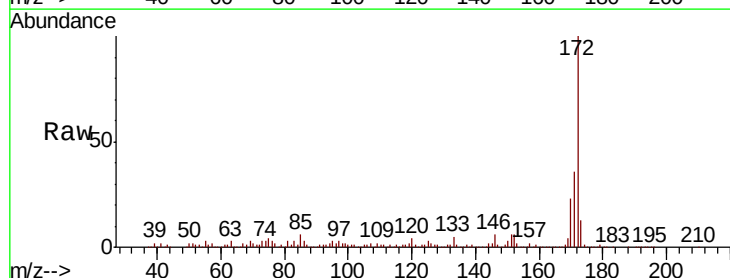
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 50.513 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.6	45.8
170	23.4	20.2	30.2

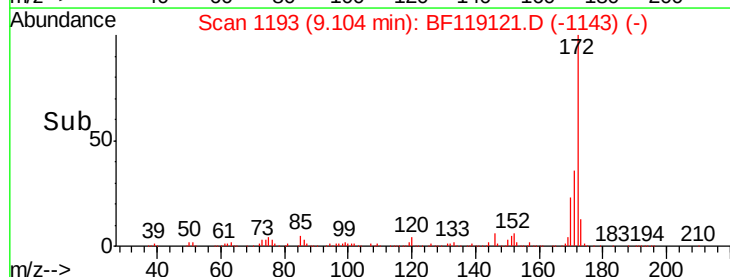
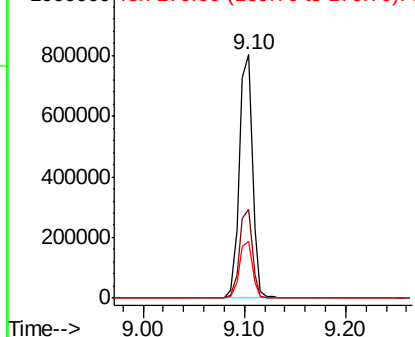


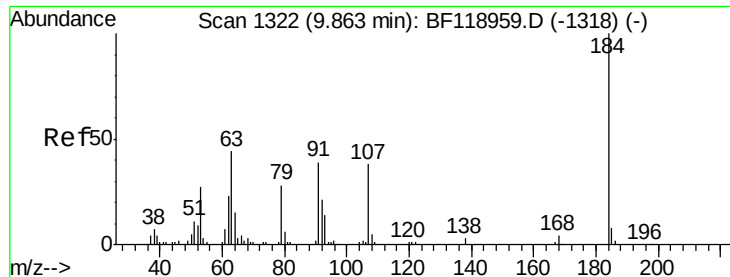
Abundance

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





#54

2,4-Dinitrophenol

Concen: 7.533 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.15 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampleId :

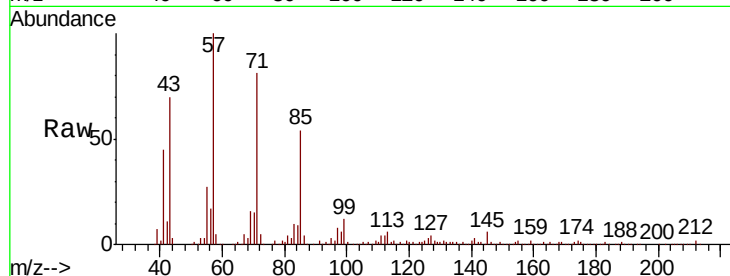
Tot Ion:184 Resp: 112

Ion Ratio Lower Upper

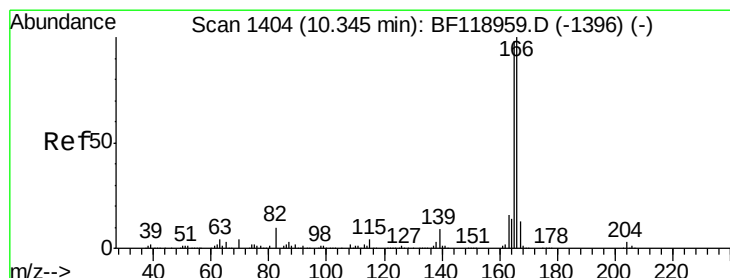
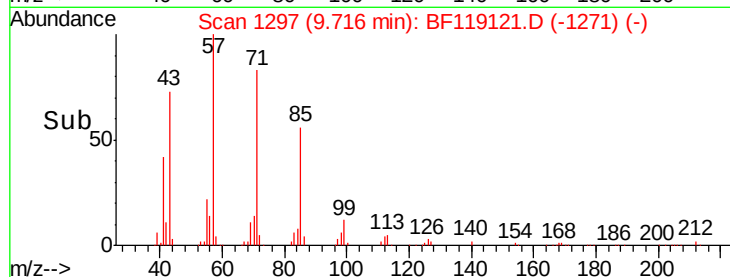
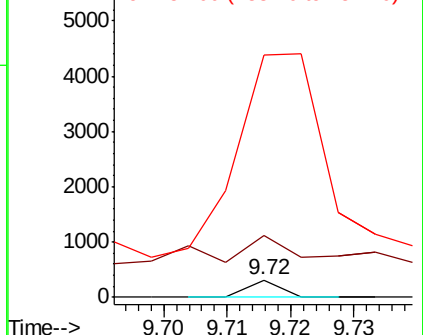
184 100

63 354.6 38.7 58.1#

154 1380.1 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



#58

Fluorene

Concen: 2.472 ng

RT: 10.33 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

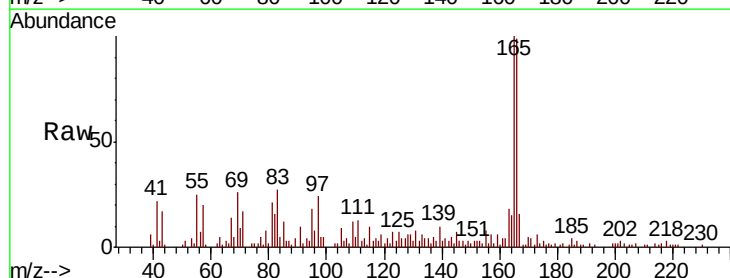
Tgt Ion:166 Resp: 34576

Ion Ratio Lower Upper

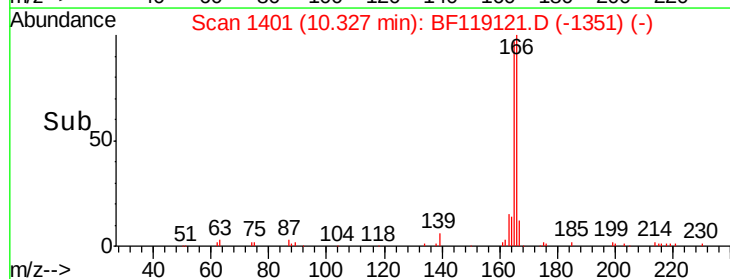
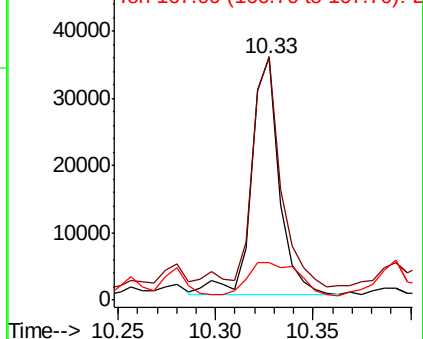
166 100

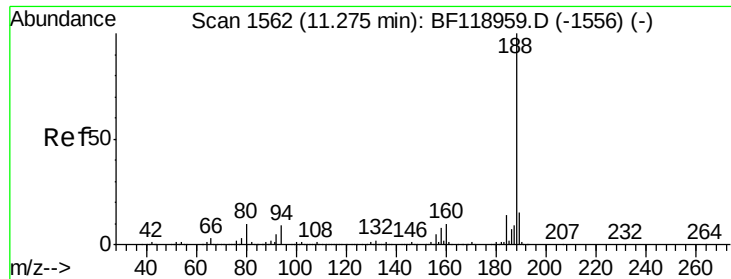
165 100.6 78.5 117.7

167 15.7 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampled :

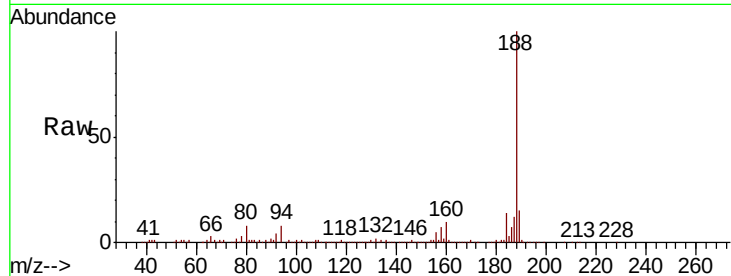
Tot Ion:188 Resp: 340164

Ion Ratio Lower Upper

188 100

94 7.7 7.1 10.7

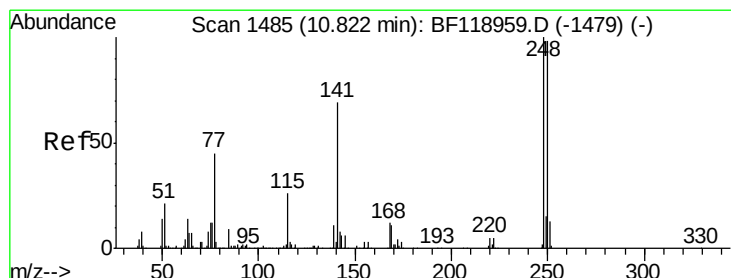
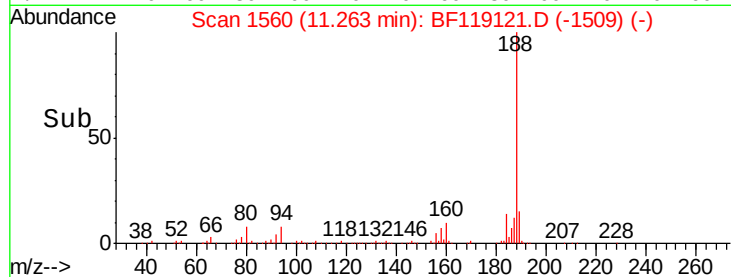
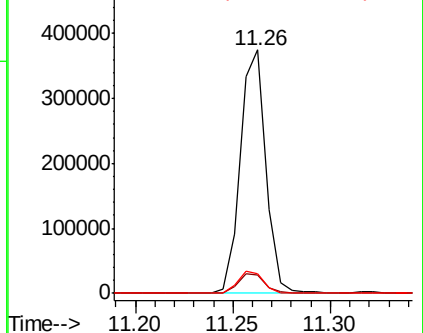
80 8.3 7.8 11.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.225 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.24 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

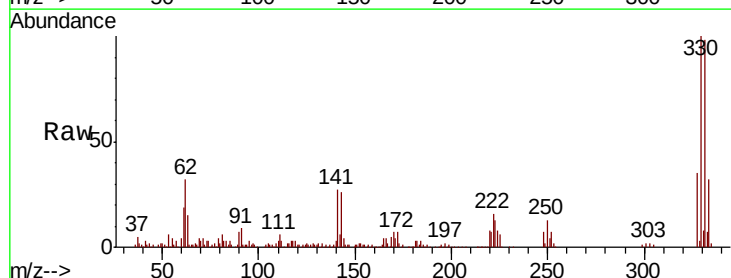
Tgt Ion:248 Resp: 9894

Ion Ratio Lower Upper

248 100

250 191.9 76.7 115.1#

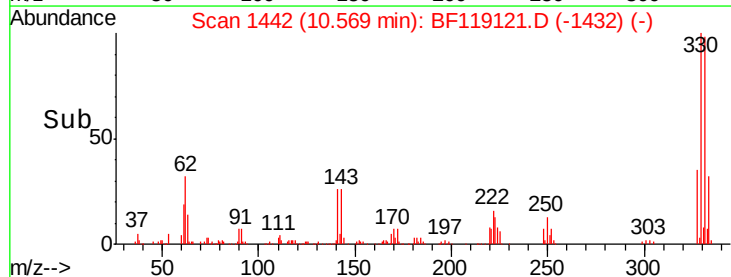
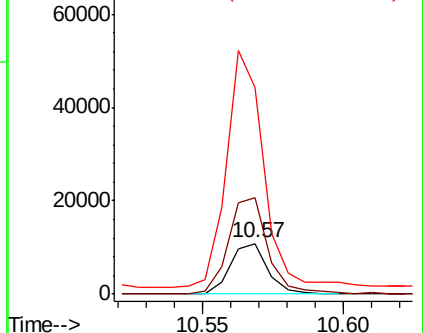
141 408.3 60.7 91.1#

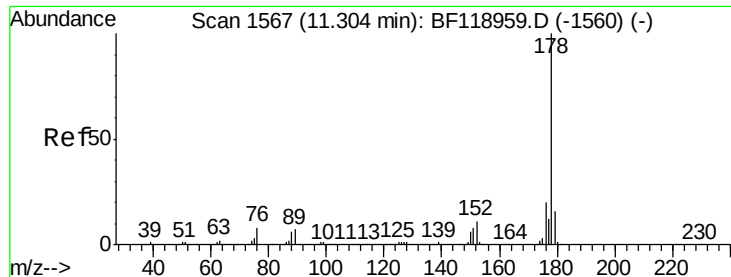


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

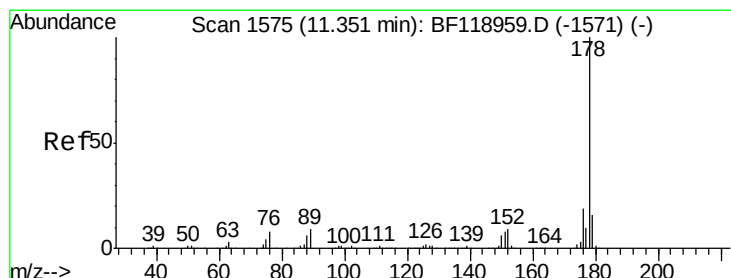
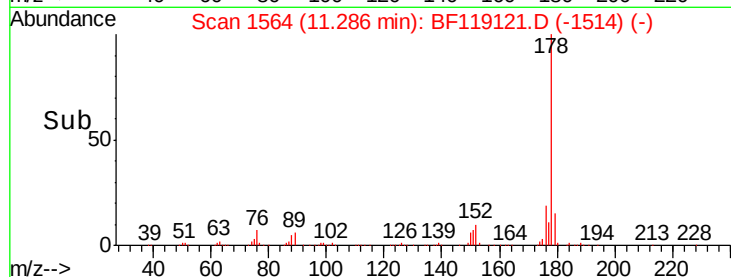
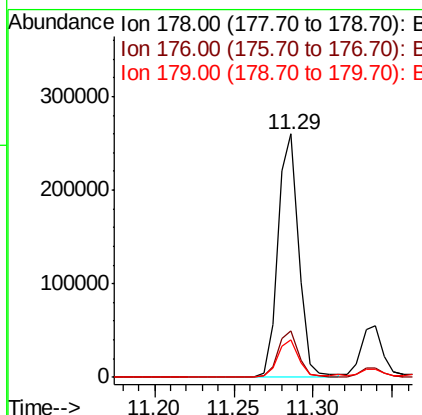
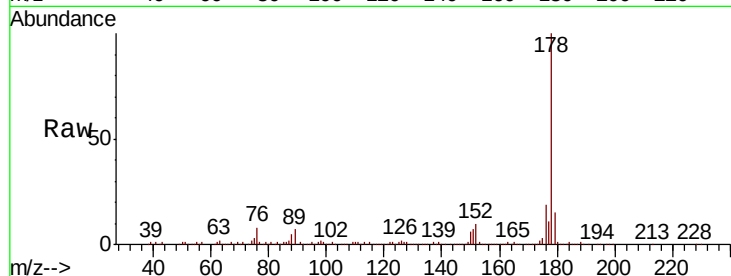




#71
Phenanthrene
Concen: 12.778 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

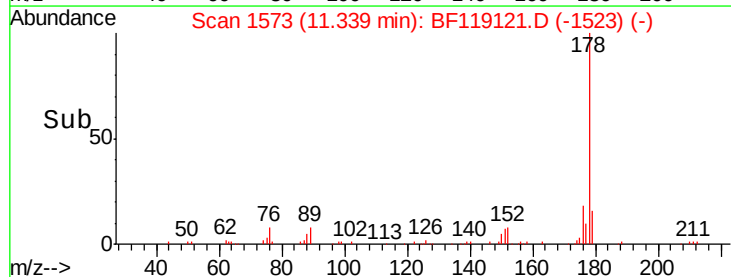
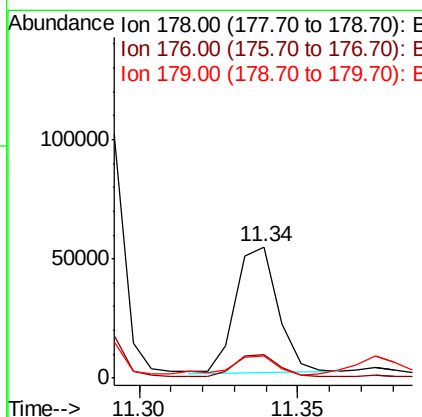
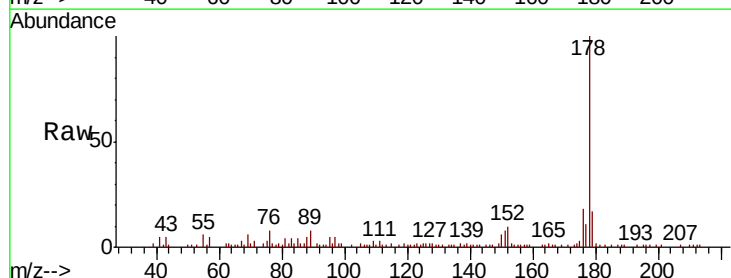
Instrument :
BNA_F
ClientSampleId :

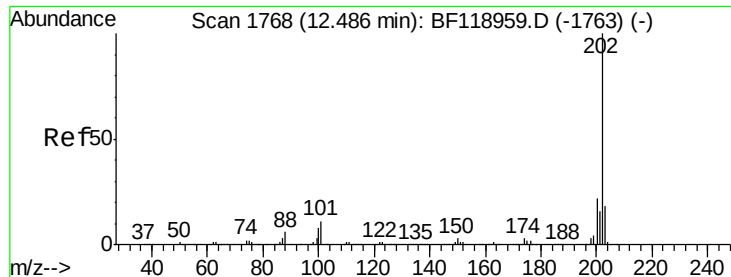
Tot Ion:178 Resp: 237043
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 15.4 13.0 19.6



#72
Anthracene
Concen: 2.648 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion:178 Resp: 49073
Ion Ratio Lower Upper
178 100
176 18.1 16.0 24.0
179 16.8 13.1 19.7





#75

Fluoranthene

Concen: 8.901 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampled :

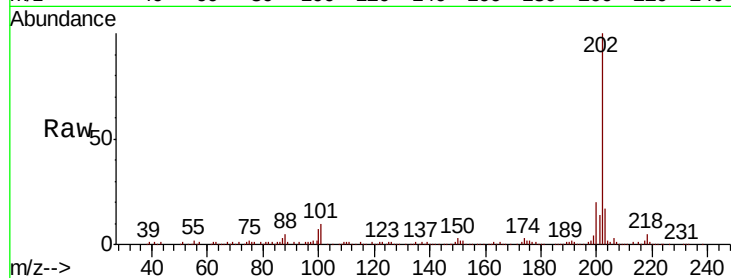
Tot Ion:202 Resp: 175278

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.3

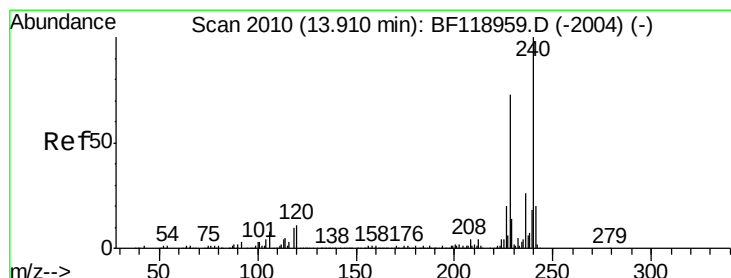
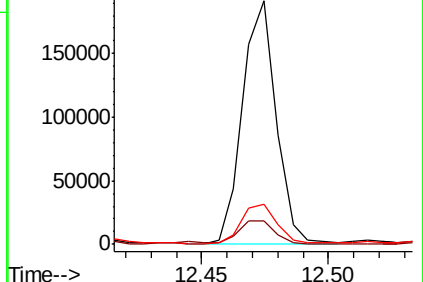
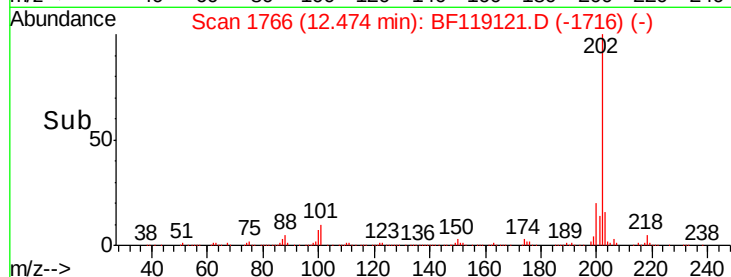
203 16.7 0.0 38.4



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: BF119121.D

Acq: 27 Feb 2020 20:38

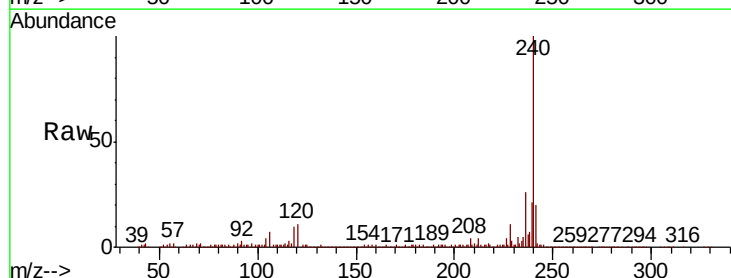
Tgt Ion:240 Resp: 326333

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

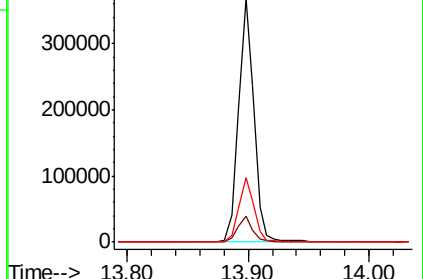
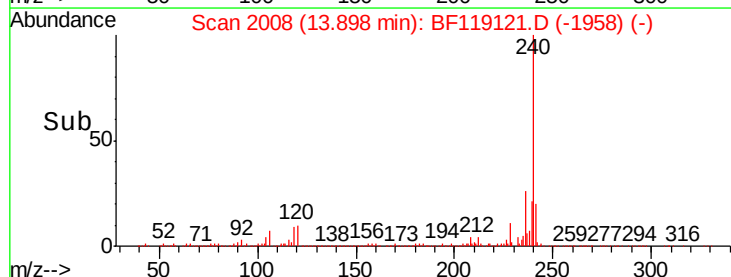
236 26.3 21.0 31.4

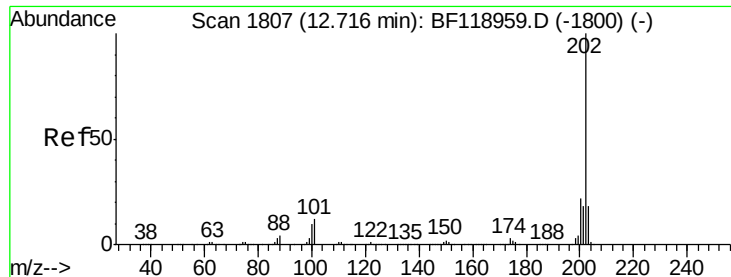


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

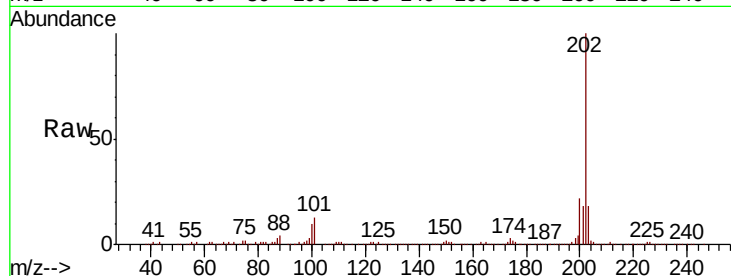




#78
Pvrene
Concen: 10.667 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.0	27.0
203	18.0	14.6	22.0

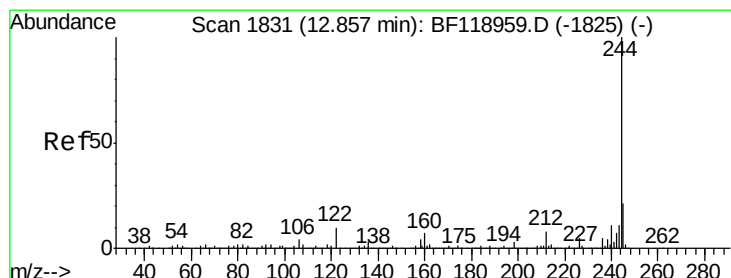
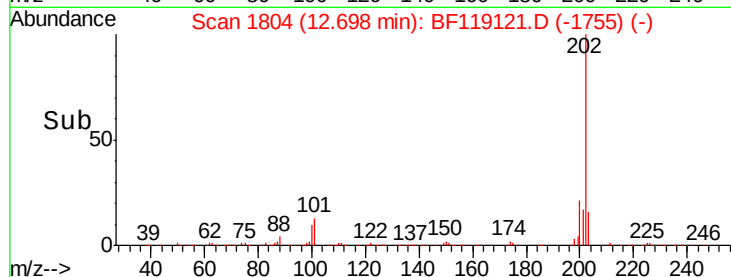
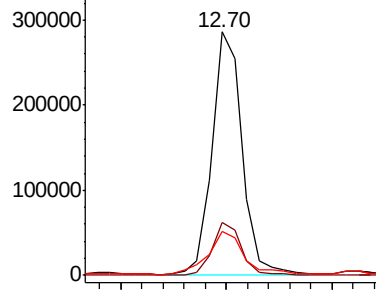


Abundance

Ion 202.00 (201.70 to 202.70): E

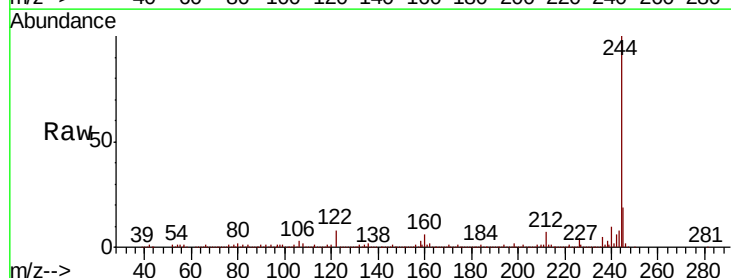
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 40.166 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF119121.D
Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.6	10.0
122	8.2	8.2	12.2

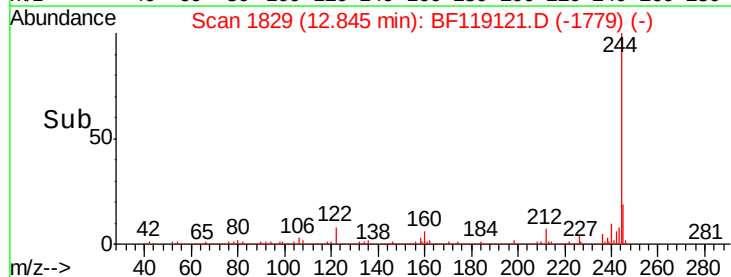
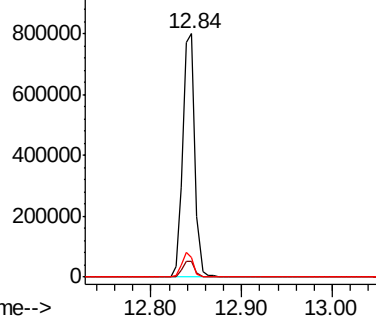


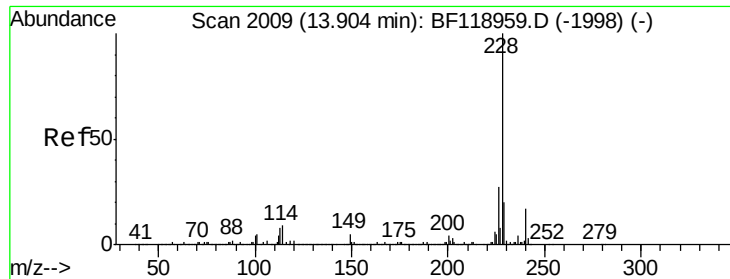
Abundance

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: 5.805 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampleId :

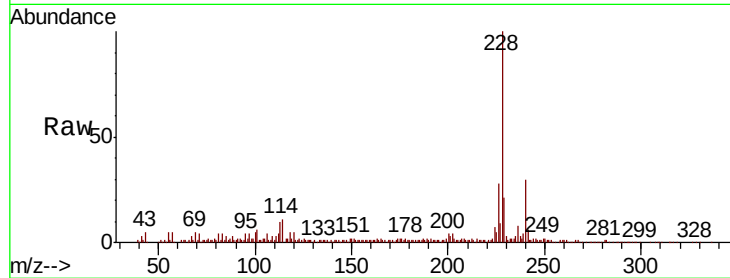
Tot Ion:228 Resp: 129071

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

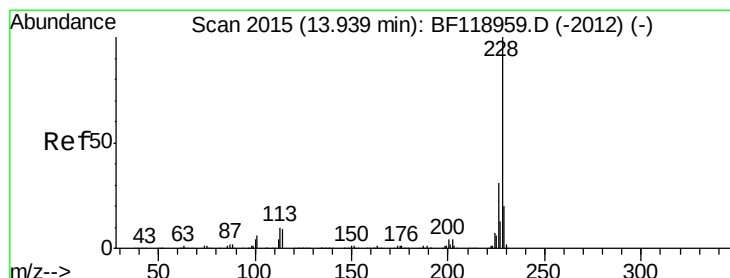
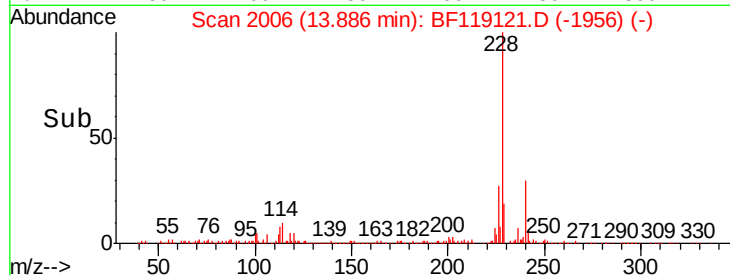
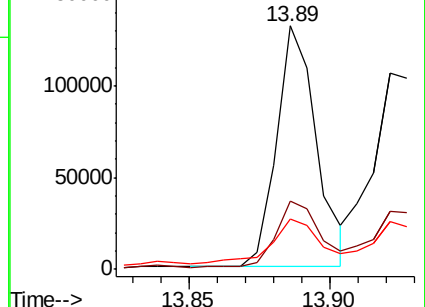
229 20.8 16.6 24.8



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: 5.826 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.05 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

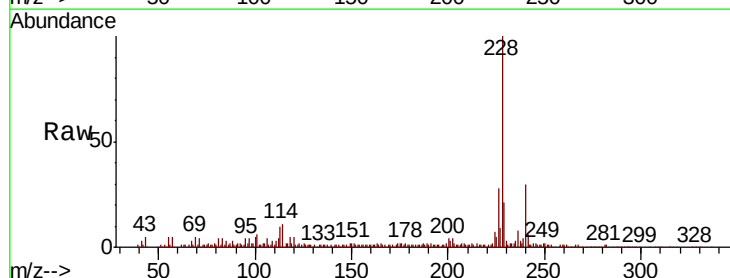
Tgt Ion:228 Resp: 129071

Ion Ratio Lower Upper

228 100

226 28.1 25.1 37.7

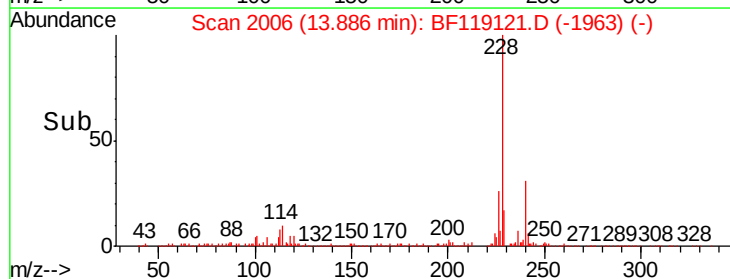
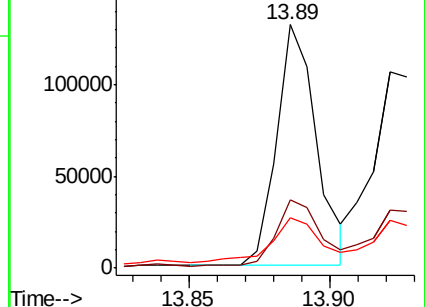
229 20.8 16.3 24.5

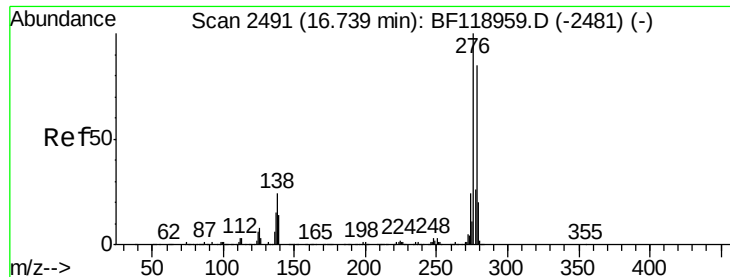


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

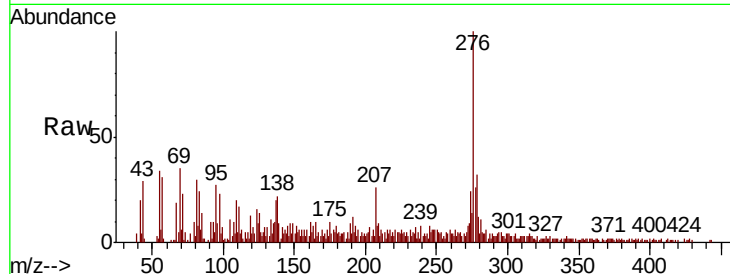




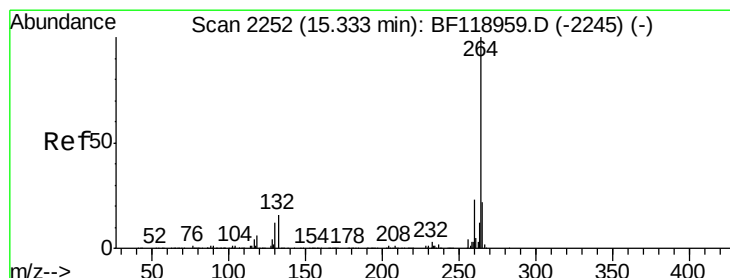
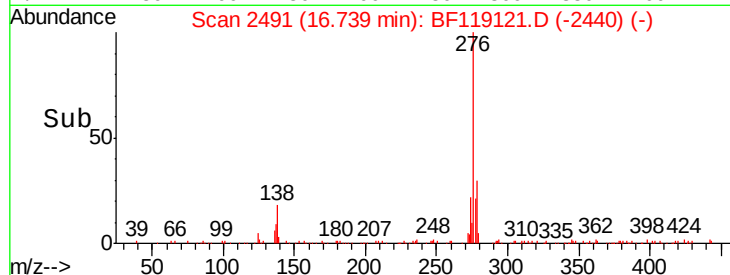
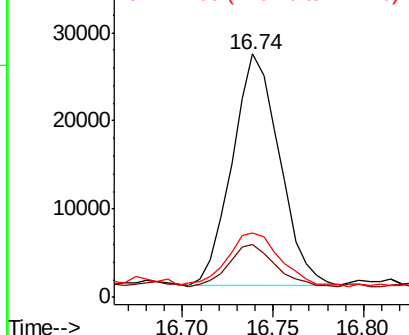
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.211 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	17.4	26.0
277	26.8	20.3	30.5

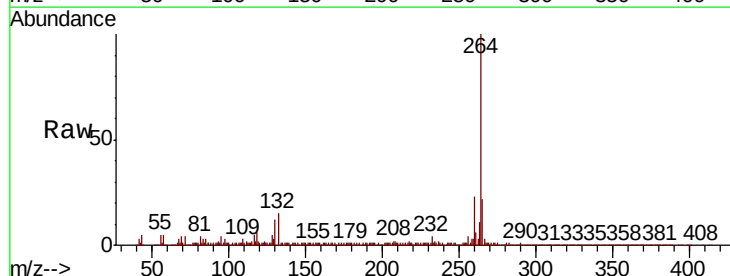


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

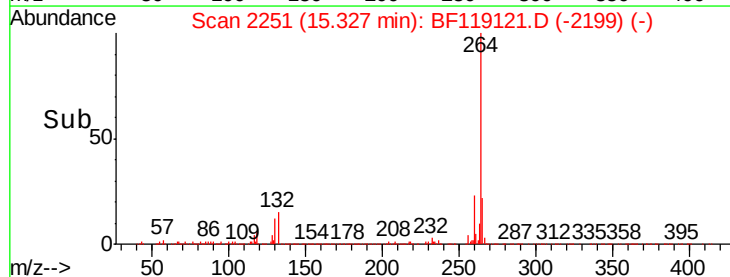
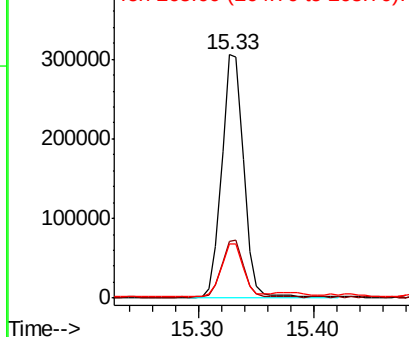


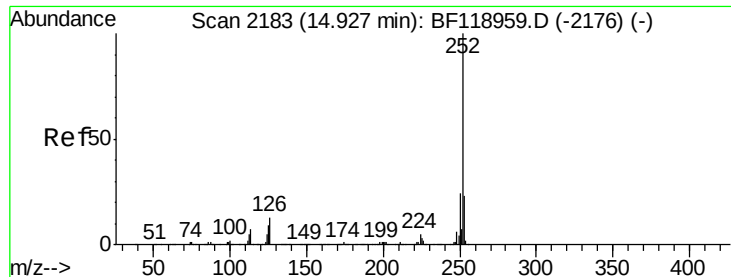
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF119121.D
 Acq: 27 Feb 2020 20:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	22.2	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: 5.842 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BF119121.D

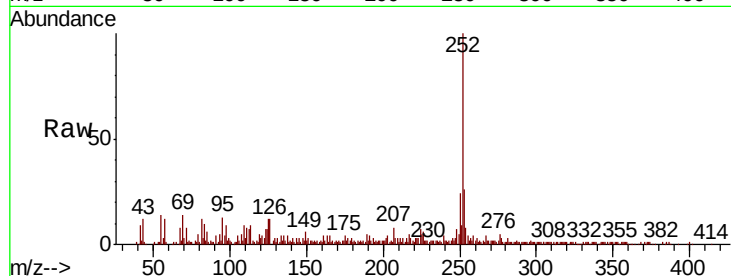
Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampled :

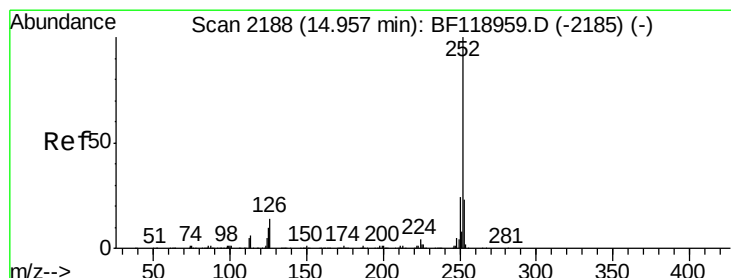
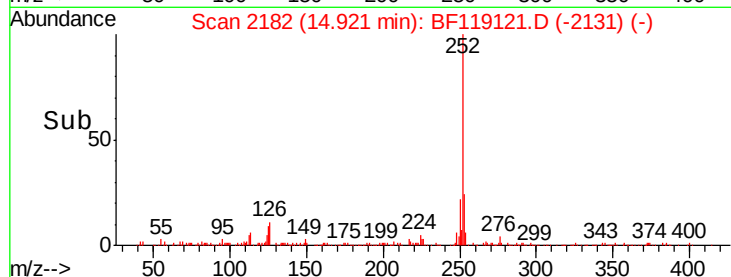
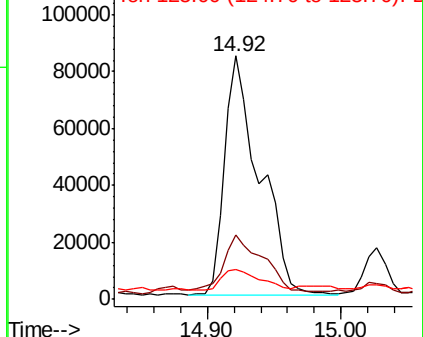
Tot Ion:252	Resp:	153308
Ion Ratio	Lower	Upper
252	100	
253	26.3	18.1 27.1
125	12.4	7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 6.304 ng

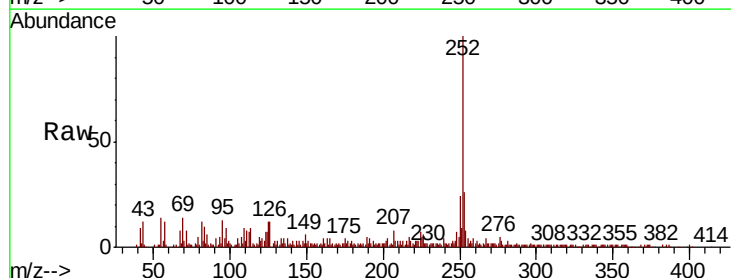
RT: 14.92 min Scan# 2182

Delta R.T. -0.03 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

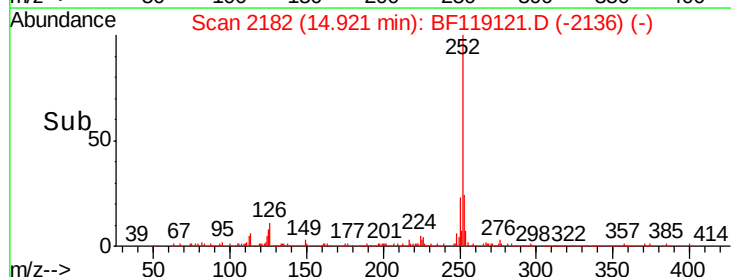
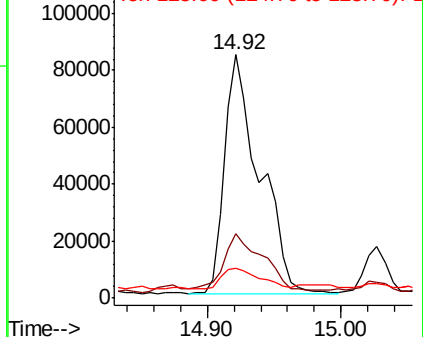
Tgt Ion:252	Resp:	153308
Ion Ratio	Lower	Upper
252	100	
253	26.3	17.8 26.8
125	12.4	7.5 11.3#

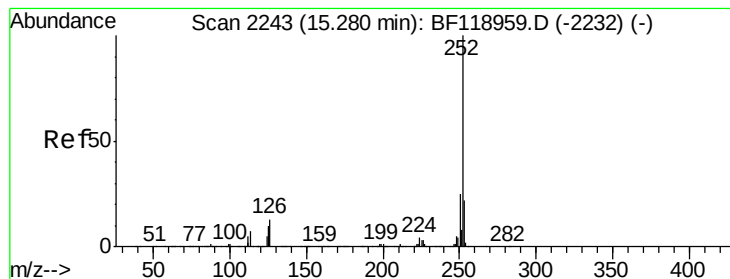


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.760 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

Instrument :

BNA_F

ClientSampleId :

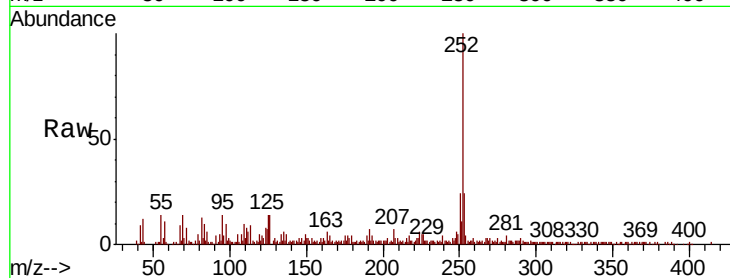
Tot Ion:252 Resp: 112739

Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 14.4 8.6 12.8#

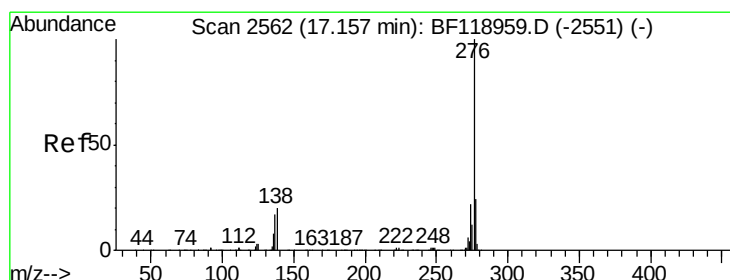
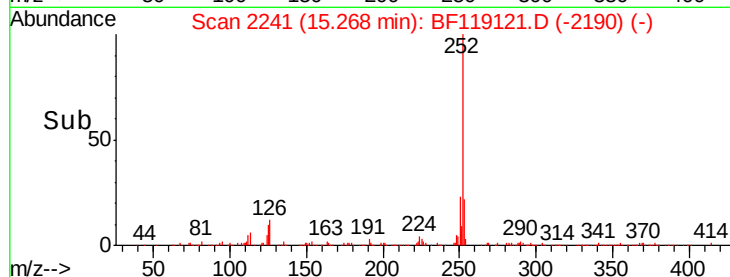
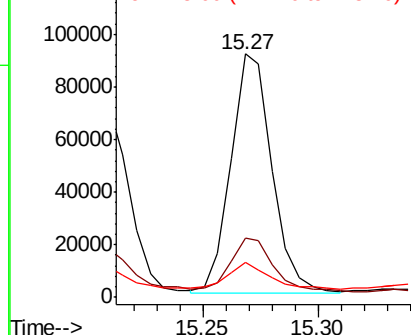


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 2.672 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BF119121.D

Acq: 27 Feb 2020 20:38

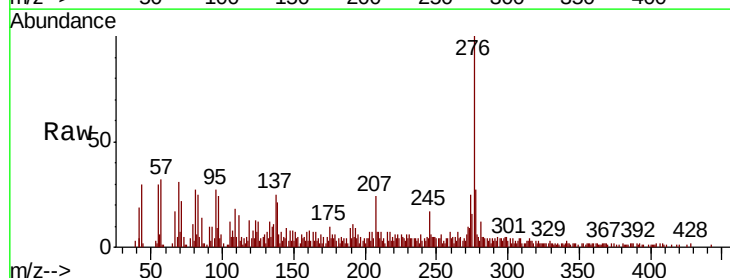
Tgt Ion:276 Resp: 55006

Ion Ratio Lower Upper

276 100

277 27.4 18.7 28.1

138 21.3 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

