

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
 Data File : BF114169.D
 Acq On : 11 May 2019 22:41
 Operator : JU/SJ
 Sample : K2765-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0206-01

Quant Time: May 12 05:55:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	245035	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	914409	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	434523	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	879071	20.00	ng	0.00
76) Chrysene-d12	14.00	240	566490	20.00	ng	-0.02
87) Perylene-d12	15.47	264	684611	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1671833	109.80	ng	0.00
7) Phenol-d6	6.49	99	2236360	124.18	ng	0.00
23) Nitrobenzene-d5	7.41	82	1351636	82.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	563250	125.38	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2259887	78.67	ng	0.00
79) Terphenyl-d14	12.95	244	2251479	81.93	ng	0.00

Target Compounds

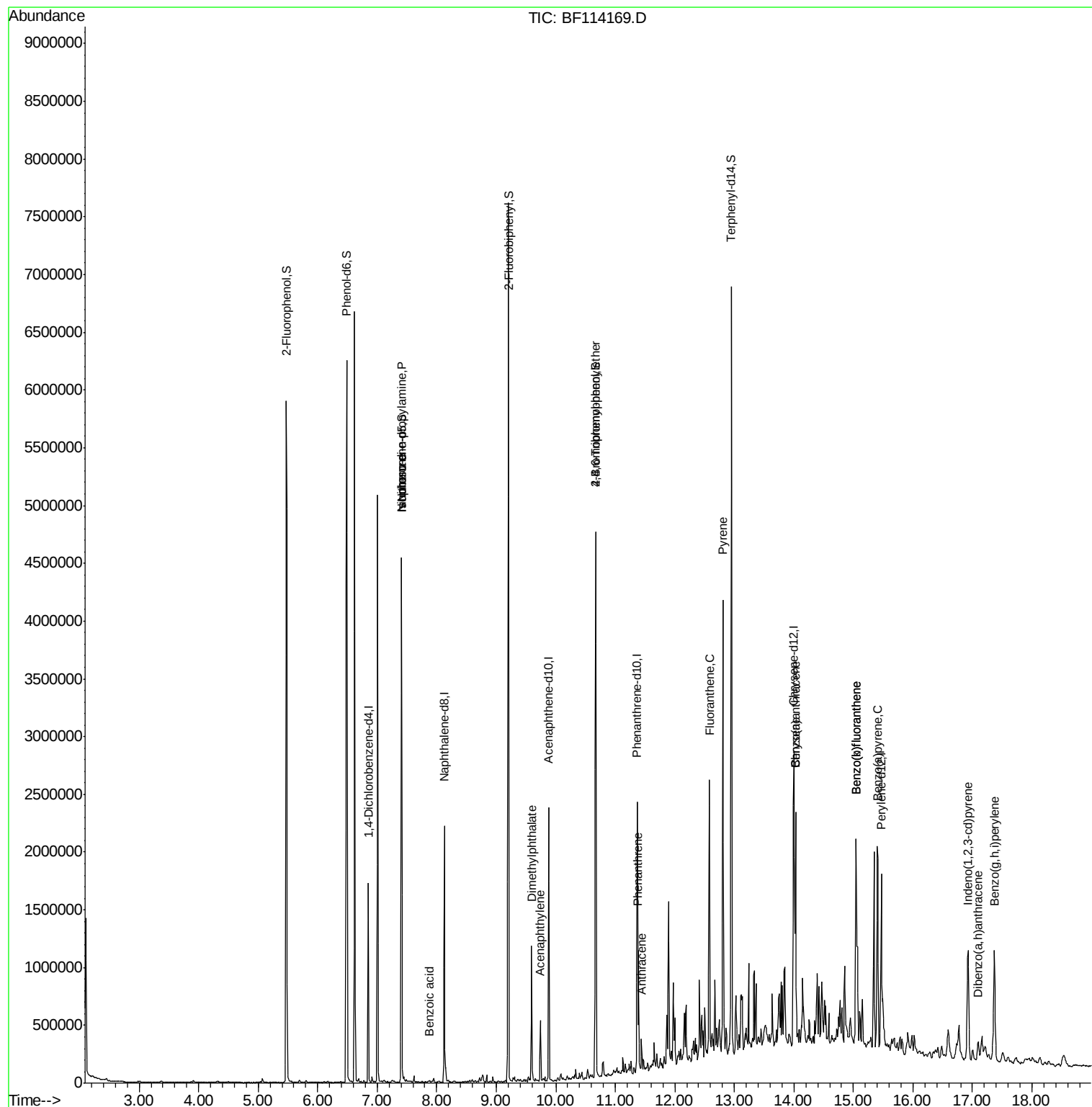
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	180927	15.850	ng	# 76
25) Isophorone	7.41	82	1351626	44.728	ng	# 64
32) Benzoic acid	7.89	122	592	7.077	ng	# 72
49) Acenaphthylene	9.74	152	219038	5.098	ng	97
50) Dimethylphthalate	9.59	163	397539	12.463	ng	100
67) 4-Bromophenyl-phenylether	10.67	248	37164	3.840	ng	# 1
71) Phenanthrene	11.39	178	382294	8.939	ng	97
72) Anthracene	11.44	178	97422	2.268	ng	97
75) Fluoranthene	12.58	202	927111	20.130	ng	100
78) Pyrene	12.81	202	1615779	35.456	ng	99
81) Benzo(a)anthracene	14.03	228	781498	21.329	ng	96
83) Chrysene	14.03	228	781498	21.758	ng	99
86) Indeno(1,2,3-cd)pyrene	16.93	276	635654	20.025	ng	96
88) Benzo(b)fluoranthene	15.04	252	1293367	29.488	ng	99
89) Benzo(k)fluoranthene	15.04	252	1293367	32.102	ng	99
90) Benzo(a)pyrene	15.40	252	661116	17.127	ng	99
91) Dibenzo(a,h)anthracene	17.10	278	100472	3.132	ng	97
92) Benzo(g,h,i)perylene	17.37	276	750274	23.341	ng	99

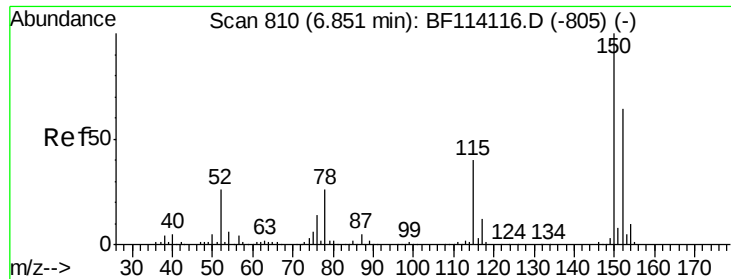
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114169.D
Acq On : 11 May 2019 22:41
Operator : JU/SJ
Sample : K2765-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Quant Time: May 12 05:55:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



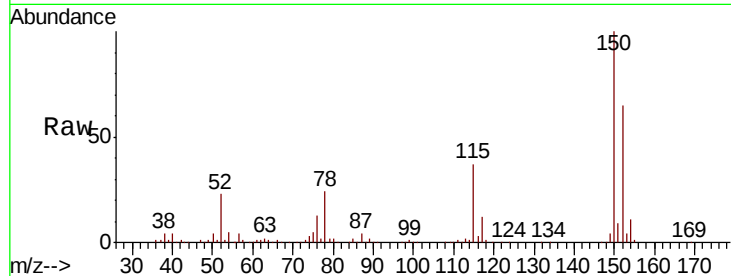


#1

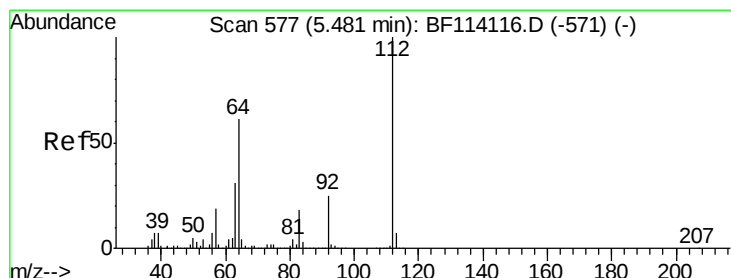
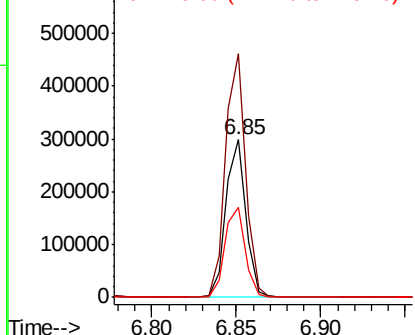
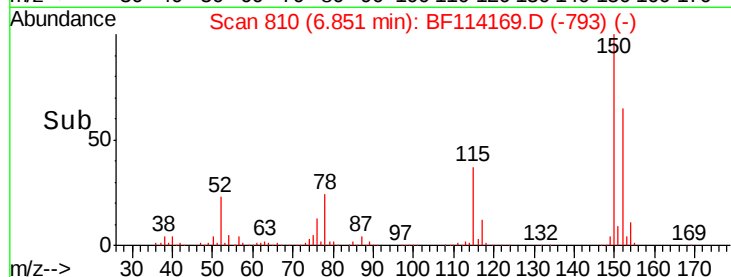
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	57.3	49.1	73.7



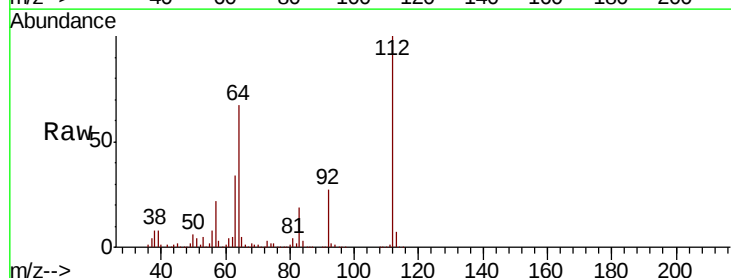
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



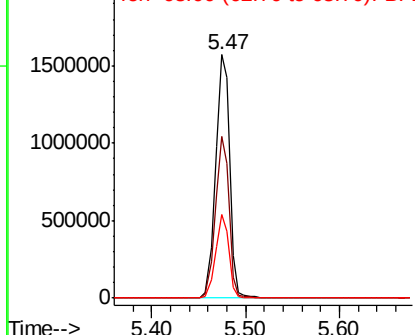
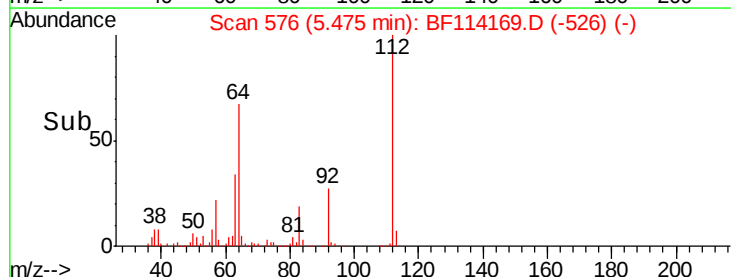
#5

2-Fluorophenol
Concen: 109.797 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	49.0	73.6
63	34.2	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: 124.181 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

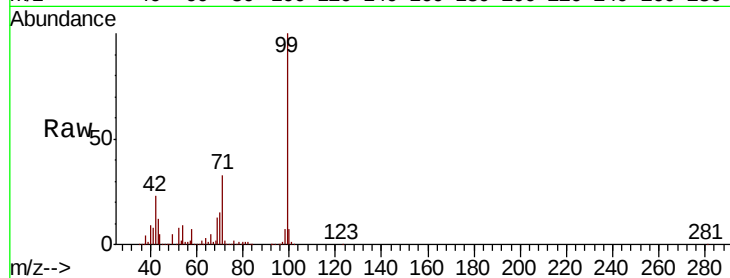
Tgt Ion: 99 Resp: 2236360

Ion Ratio Lower Upper

99 100

42 23.4 17.9 26.9

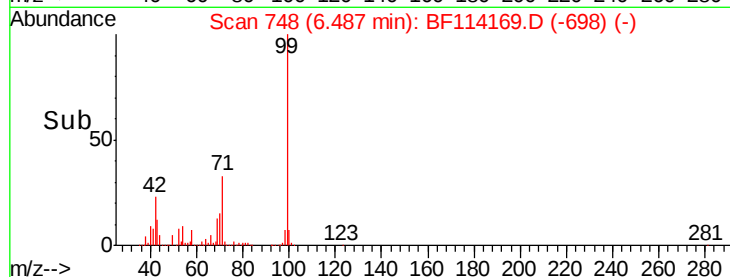
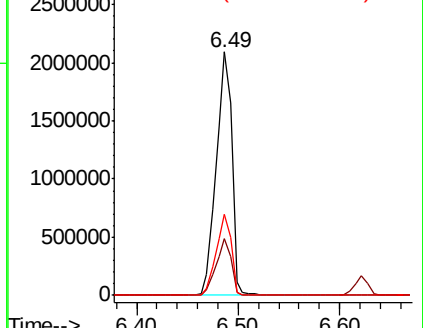
71 33.2 26.2 39.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.850 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Tgt Ion: 70 Resp: 180927

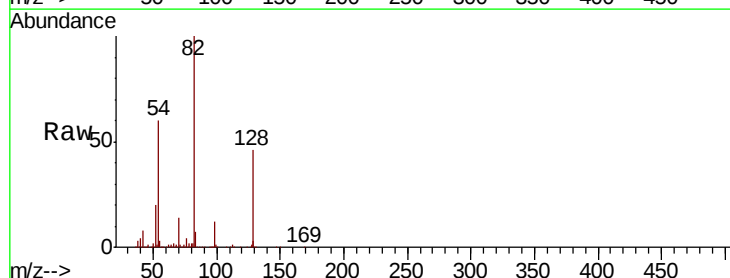
Ion Ratio Lower Upper

70 100

42 58.0 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#

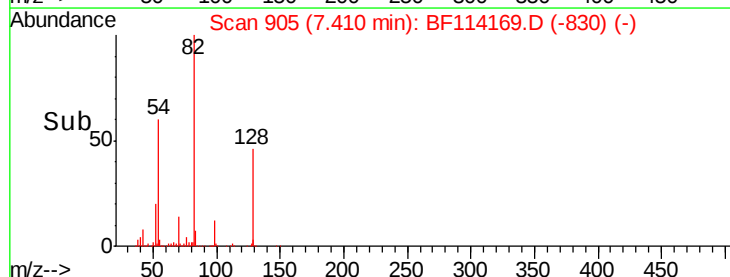
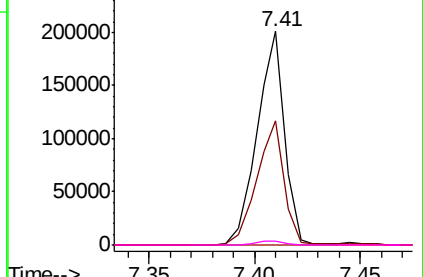


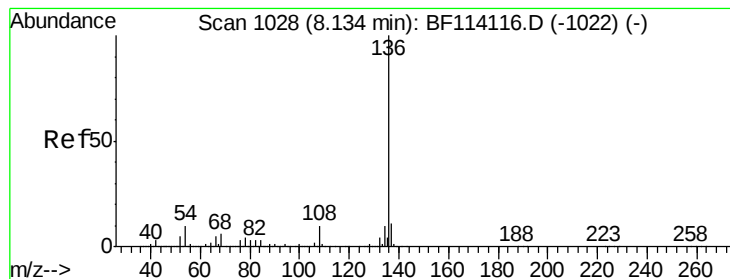
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

Tgt Ion: 136 Resp: 914409

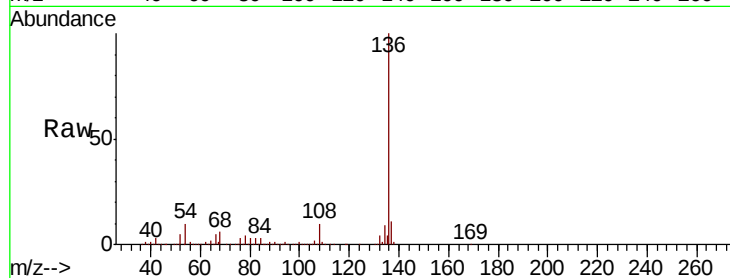
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.9 7.8 11.8

68 6.4 5.1 7.7

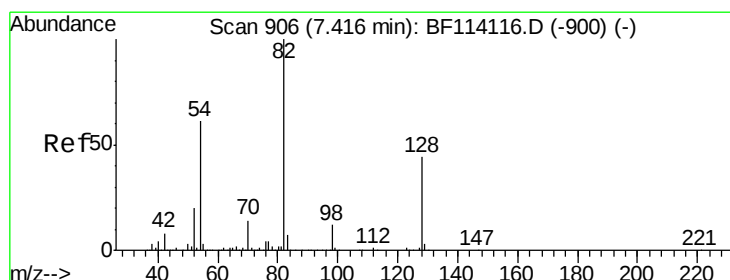
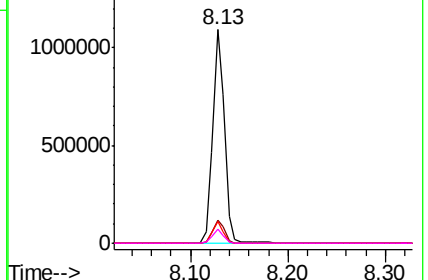
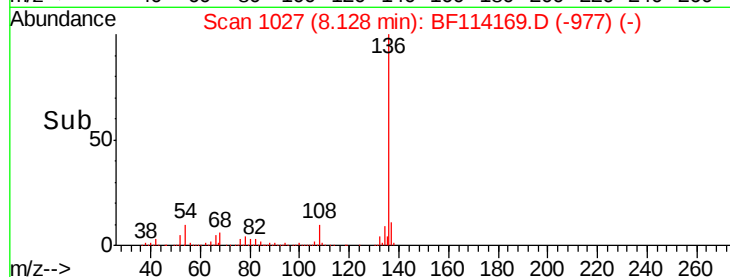


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.954 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

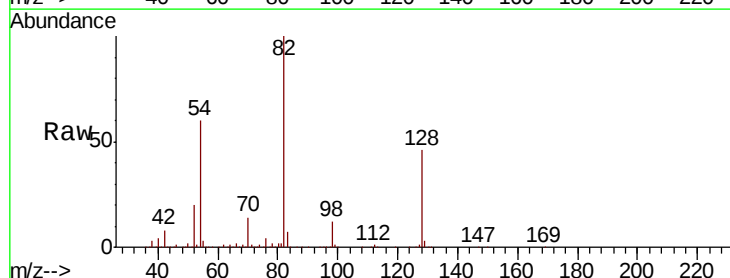
Tgt Ion: 82 Resp: 1351636

Ion Ratio Lower Upper

82 100

128 46.2 35.5 53.3

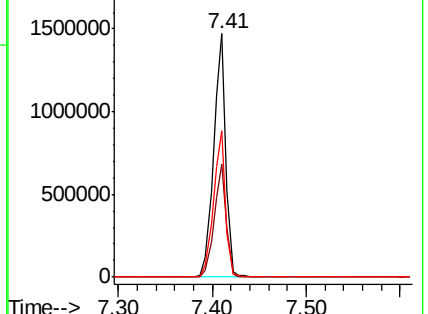
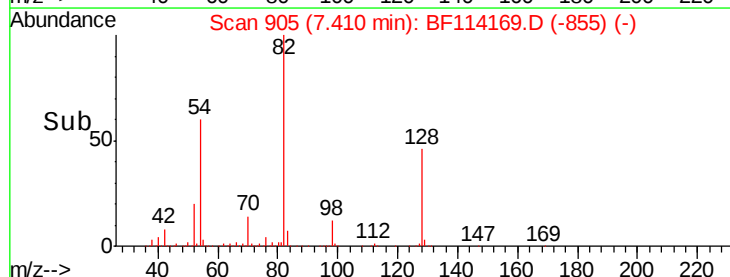
54 60.0 48.5 72.7

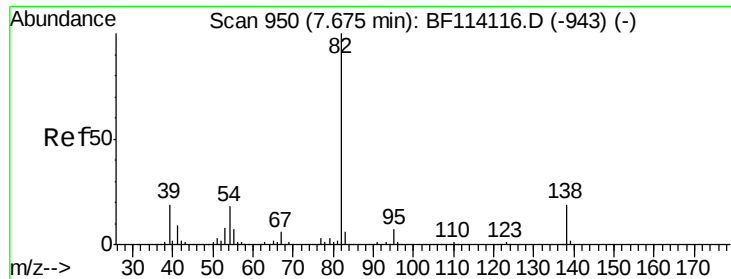


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.728 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

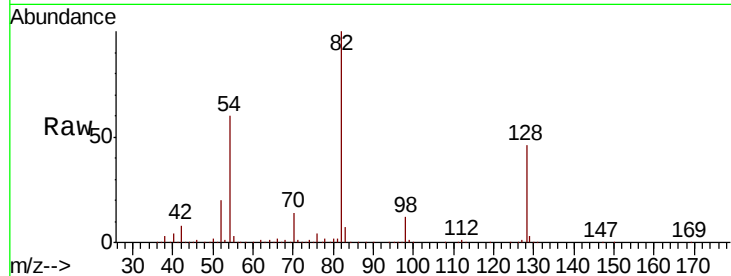
Tgt Ion: 82 Resp: 1351626

Ion Ratio Lower Upper

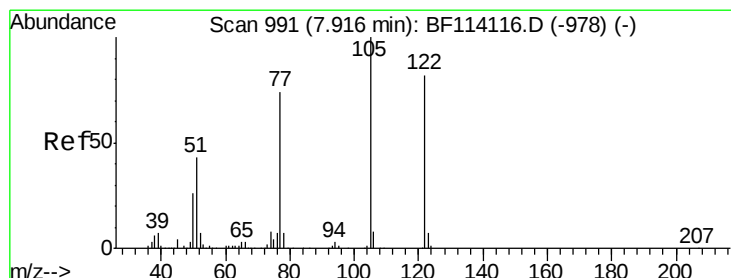
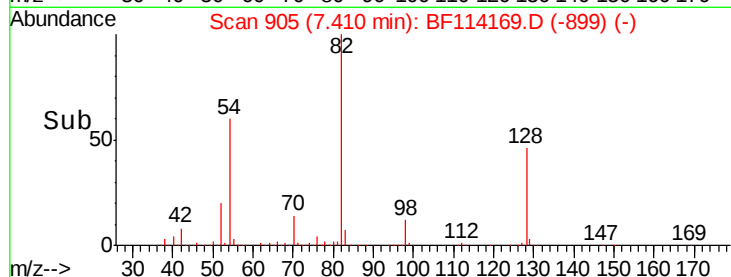
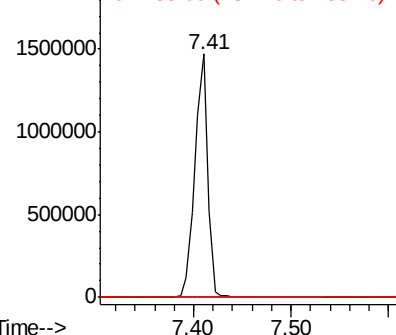
82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.077 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.03 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

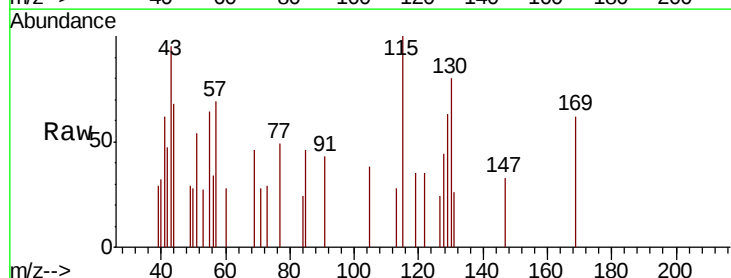
Tgt Ion: 122 Resp: 592

Ion Ratio Lower Upper

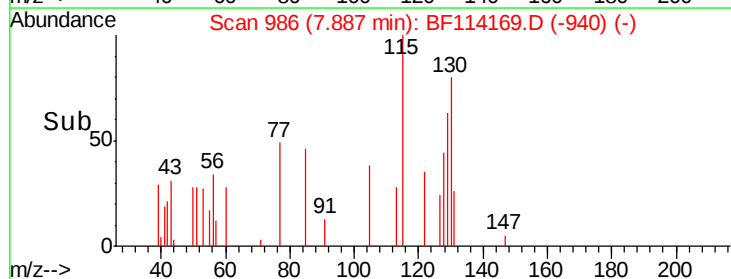
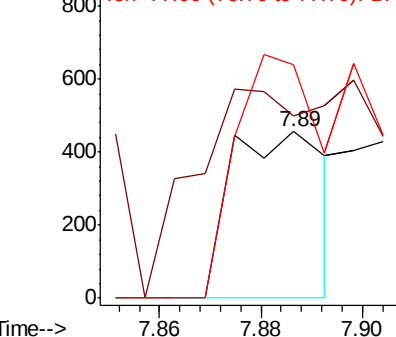
122 100

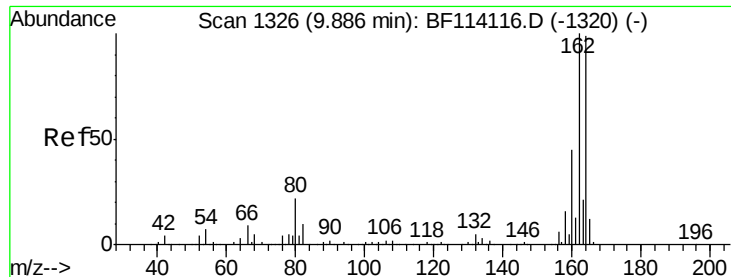
105 109.4 99.9 139.9

77 140.0 69.4 109.4#



Abundance Ion 122.00 (121.70 to 122.70): BF1
800
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

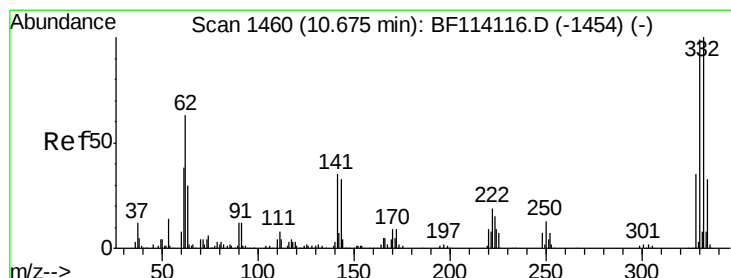
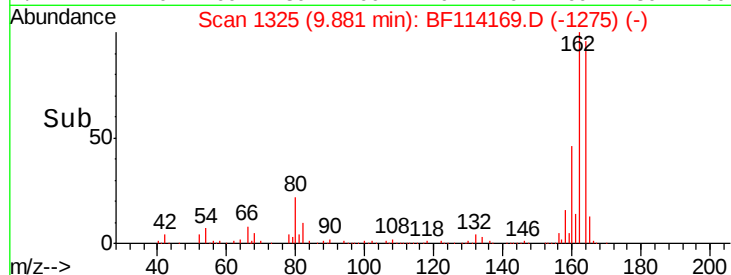
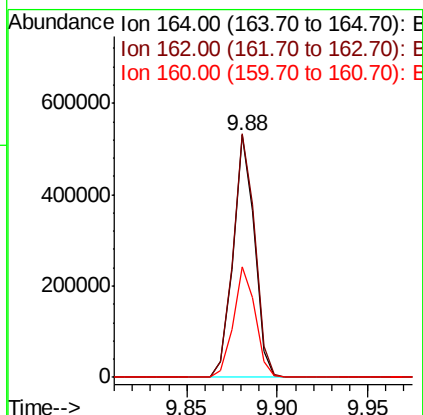
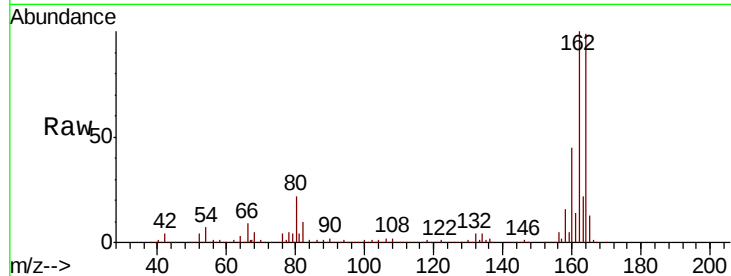




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

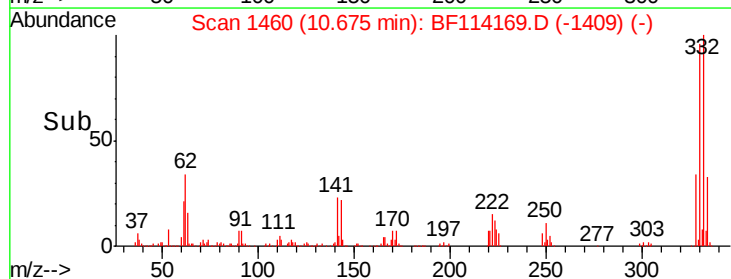
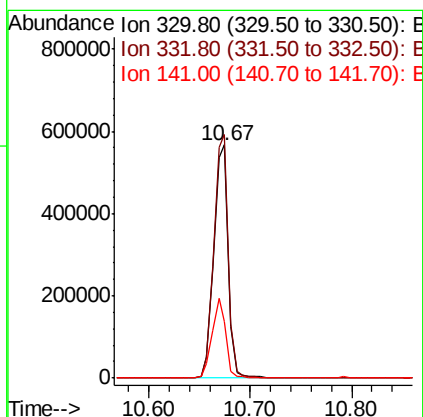
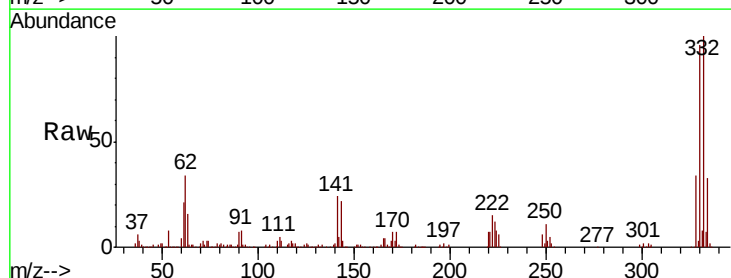
Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

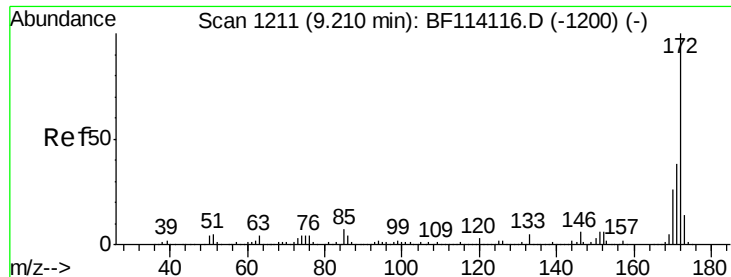
Tgt Ion:164 Resp: 434523
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 45.7 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 125.383 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion:330 Resp: 563250
Ion Ratio Lower Upper
330 100
332 103.7 81.4 122.2
141 32.1 26.6 40.0

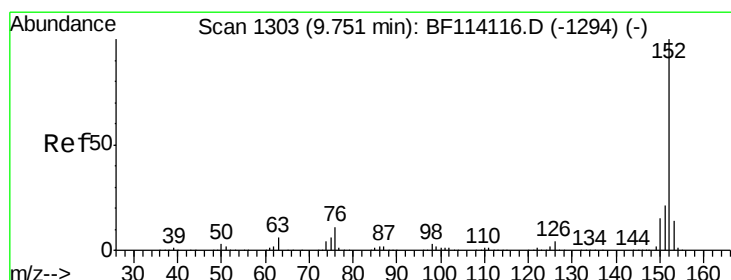
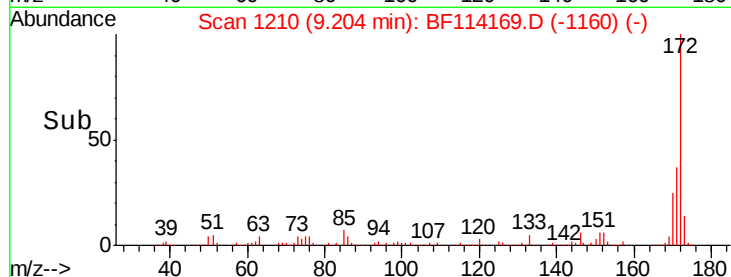
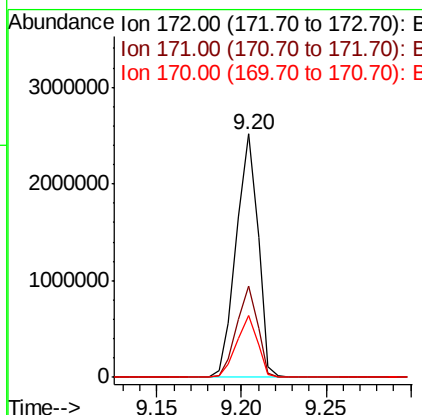
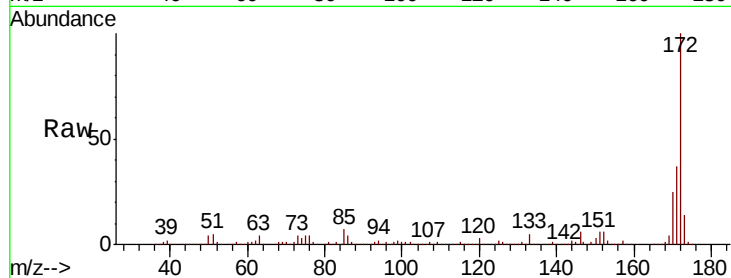




#45
2-Fluorobiphenyl
Concen: 78.671 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

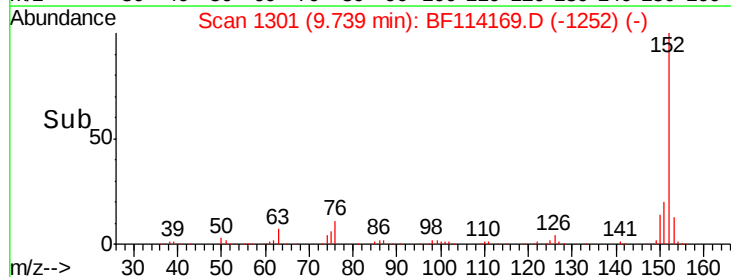
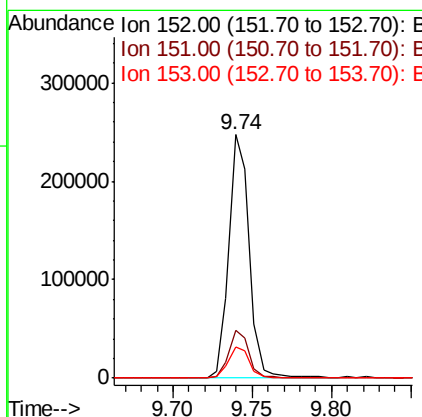
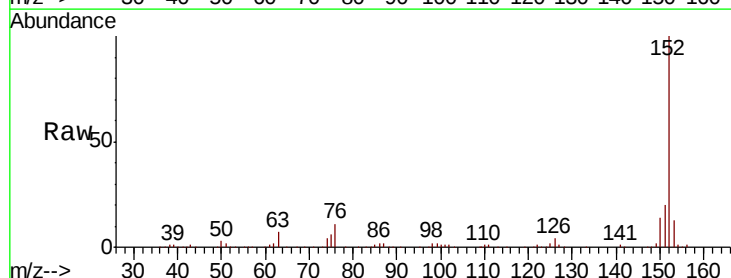
Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

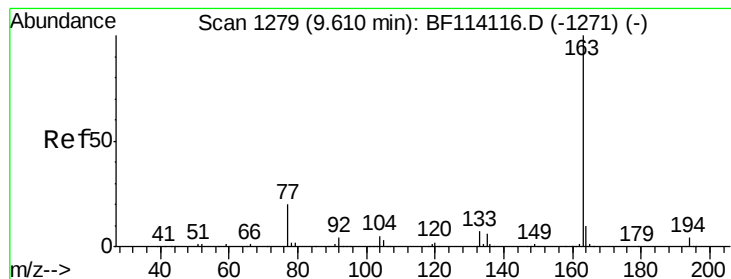
Tgt Ion:172 Resp: 2259887
Ion Ratio Lower Upper
172 100
171 37.3 30.7 46.1
170 25.2 20.5 30.7



#49
Acenaphthylene
Concen: 5.098 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion:152 Resp: 219038
Ion Ratio Lower Upper
152 100
151 19.7 16.8 25.2
153 13.0 11.4 17.2





#50

Dimethylphthalate

Concen: 12.463 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

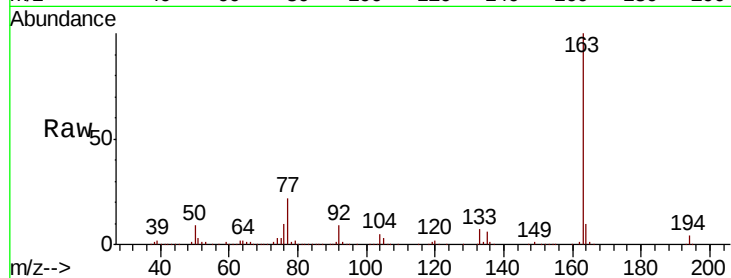
Tgt Ion:163 Resp: 397539

Ion Ratio Lower Upper

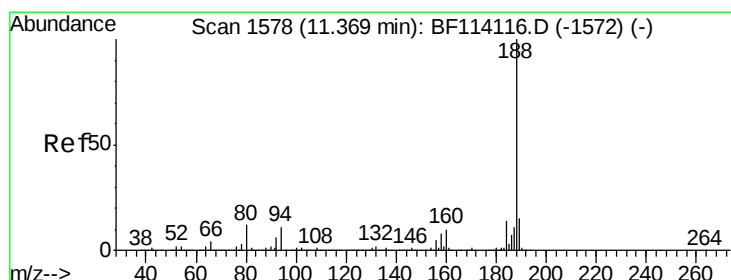
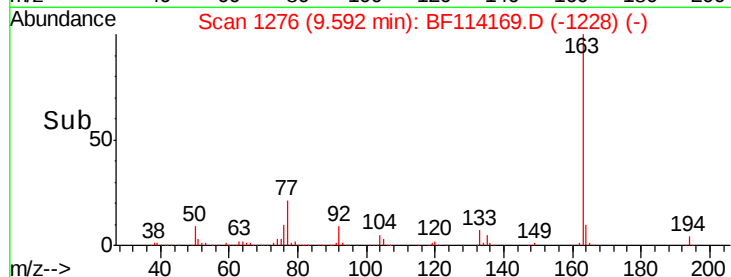
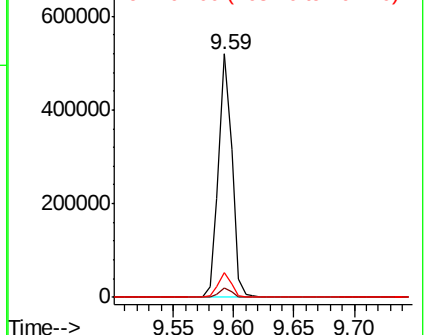
163 100

194 4.1 3.4 5.0

164 10.1 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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

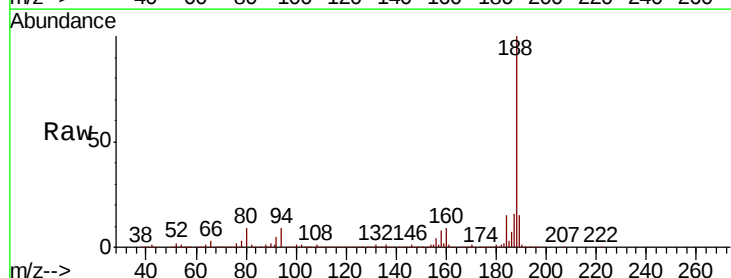
Tgt Ion:188 Resp: 879071

Ion Ratio Lower Upper

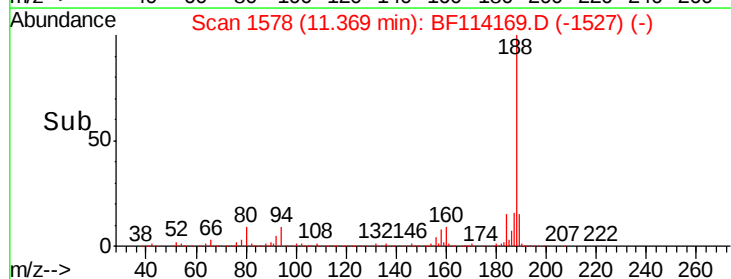
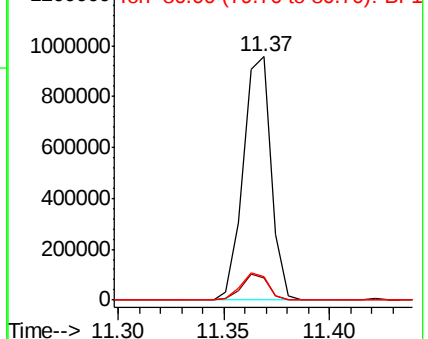
188 100

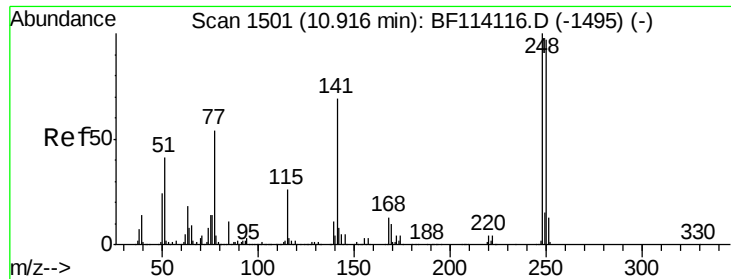
94 9.2 8.4 12.6

80 9.5 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





#67

4-Bromophenyl-phenylether

Concen: 3.840 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

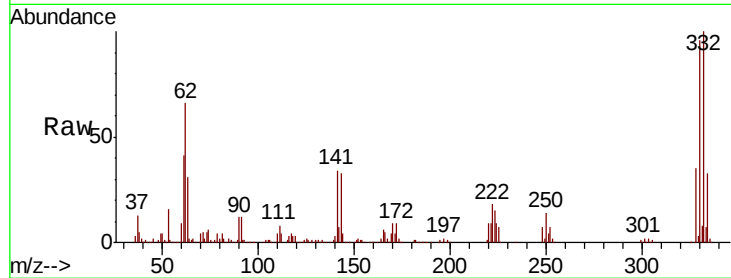
Tgt Ion:248 Resp: 37164

Ion Ratio Lower Upper

248 100

250 201.6 77.4 116.2#

141 504.3 55.6 83.4#

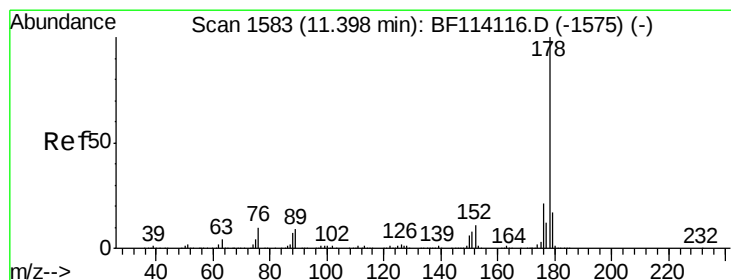
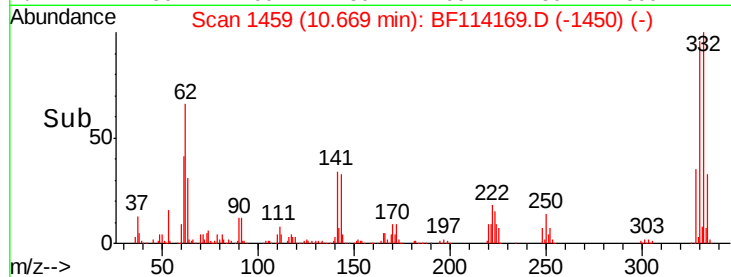
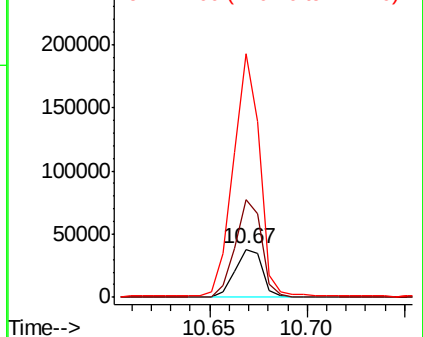


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71

Phenanthrene

Concen: 8.939 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

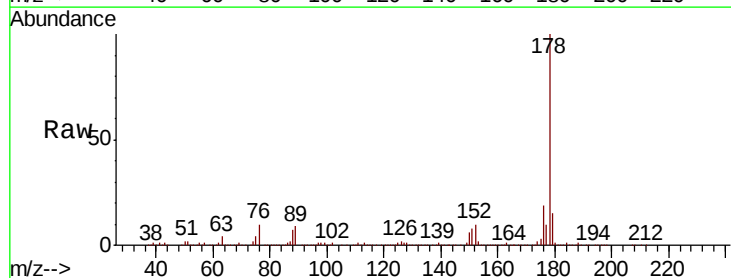
Tgt Ion:178 Resp: 382294

Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

179 15.5 13.2 19.8

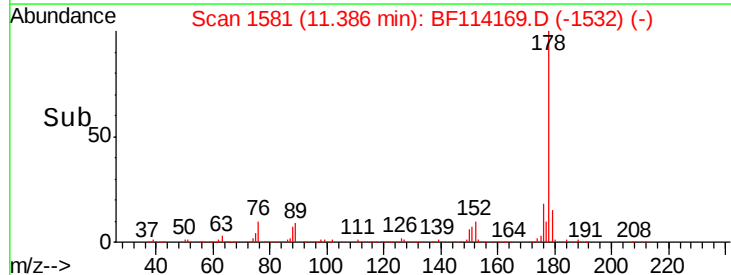
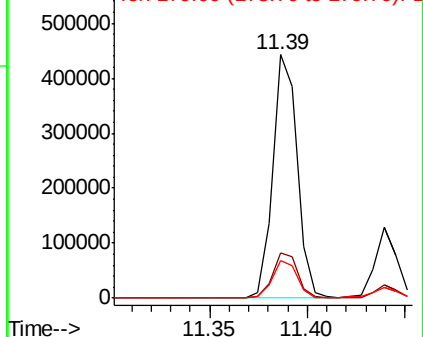


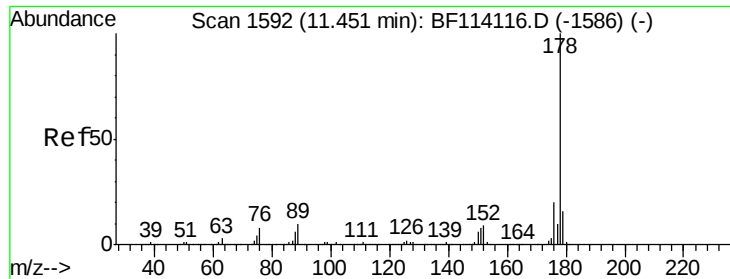
Abundance

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: 2.268 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

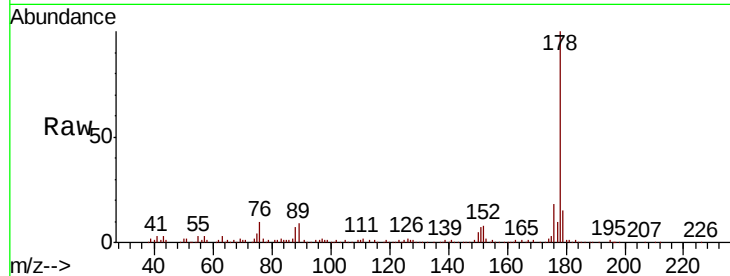
Tgt Ion:178 Resp: 97422

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

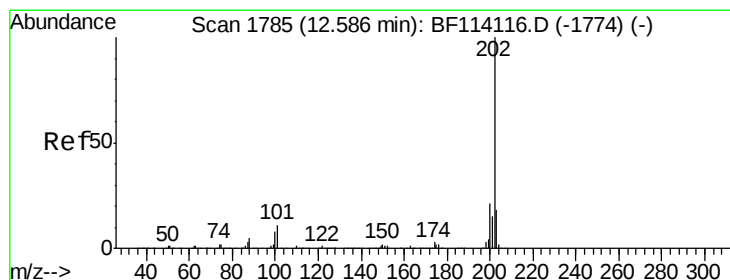
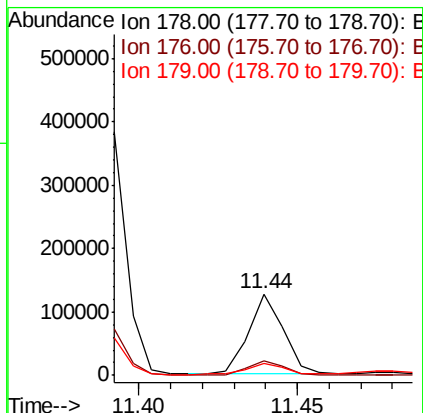
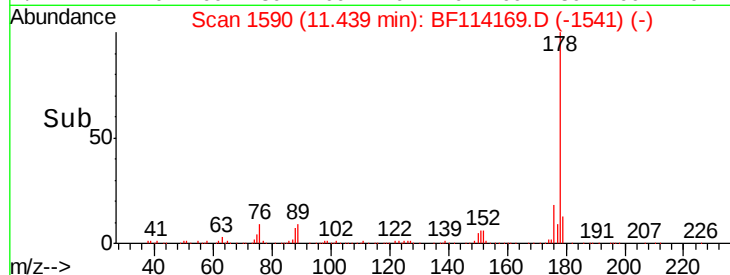
179 14.6 13.0 19.4



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: 20.130 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

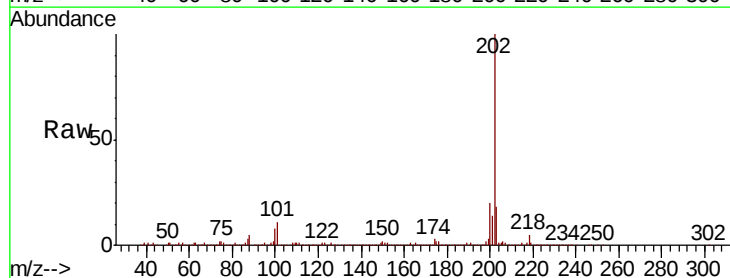
Tgt Ion:202 Resp: 927111

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.0

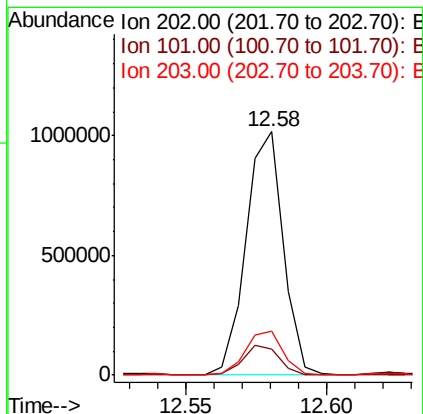
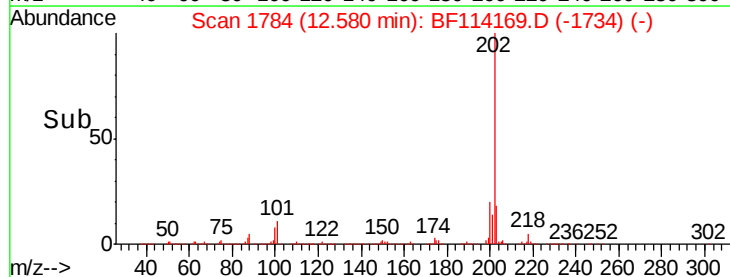
203 18.2 0.0 38.4

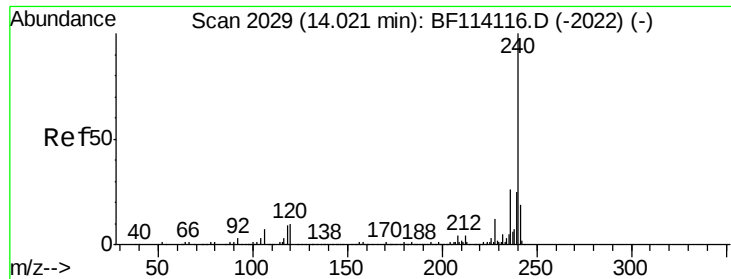


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

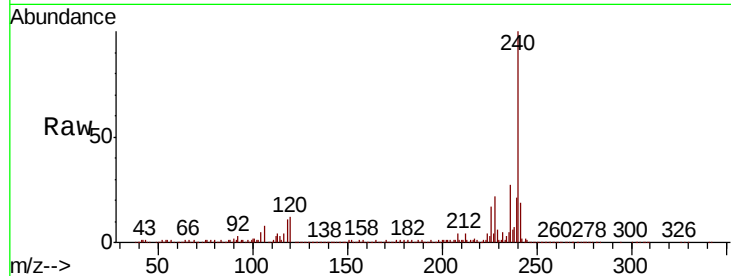
Tgt Ion:240 Resp: 566490

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

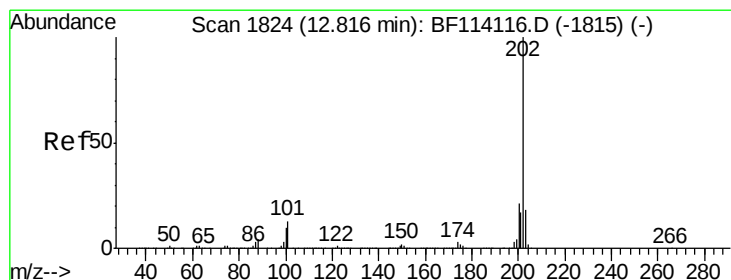
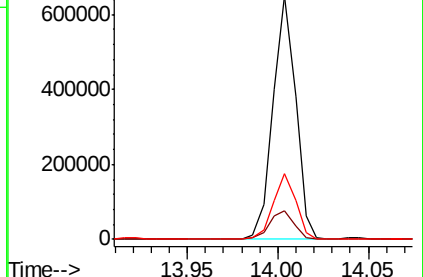
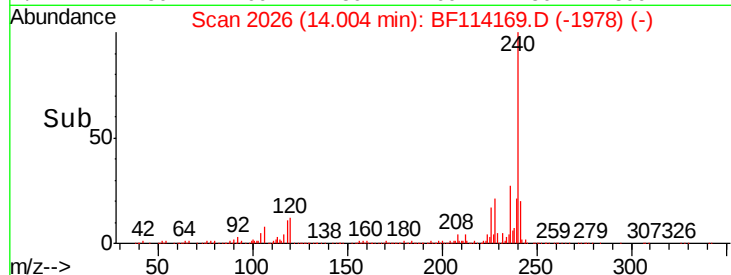
236 27.0 20.8 31.2



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

Pyrene

Concen: 35.456 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

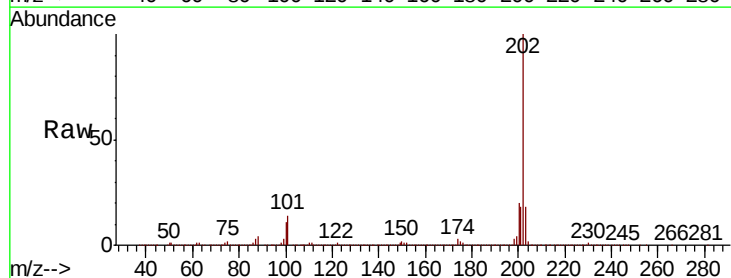
Tgt Ion:202 Resp: 1615779

Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

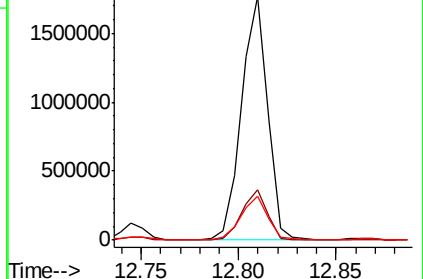
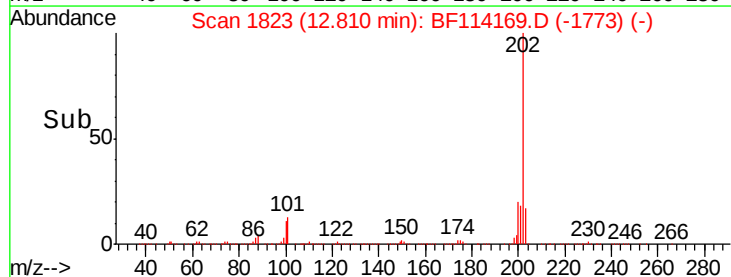
203 18.1 14.5 21.7

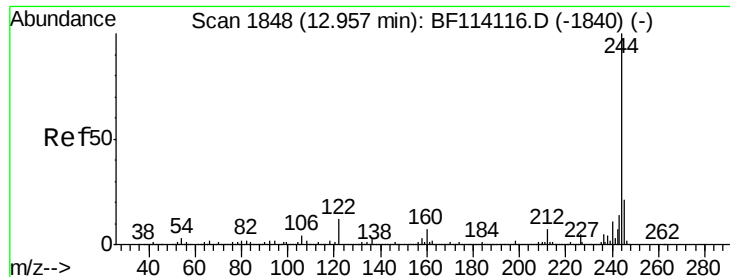


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.930 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

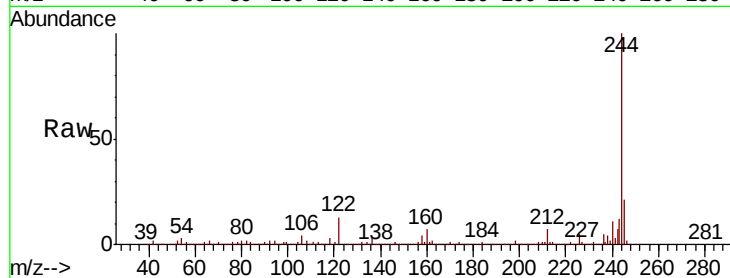
Tgt Ion:244 Resp: 2251479

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

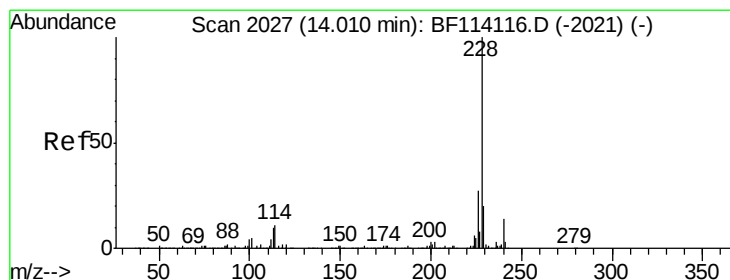
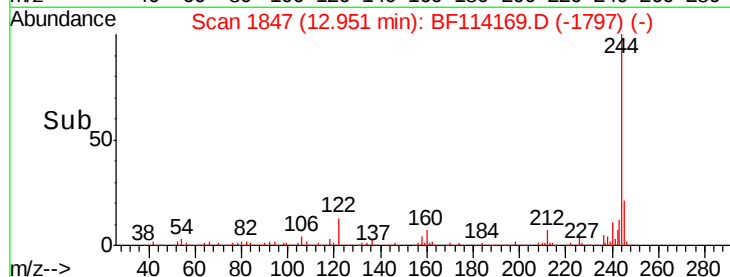
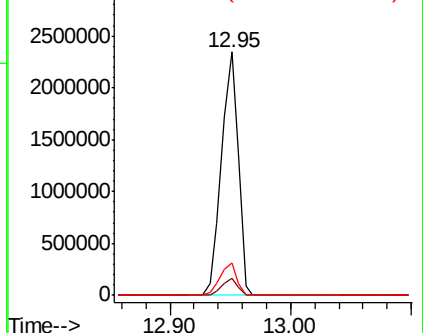
122 13.2 9.4 14.2



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: 21.329 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

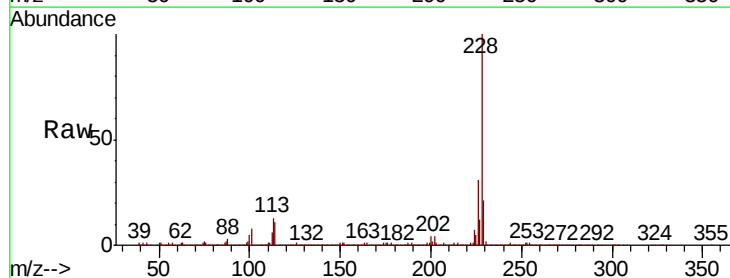
Tgt Ion:228 Resp: 781498

Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.2

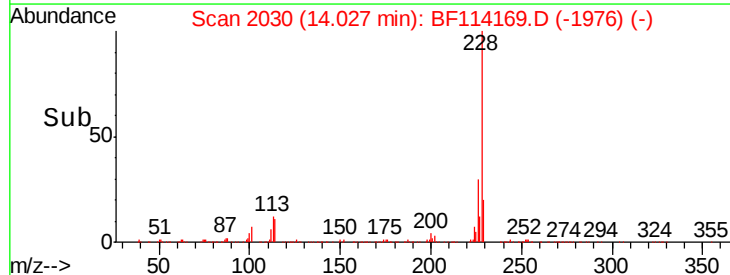
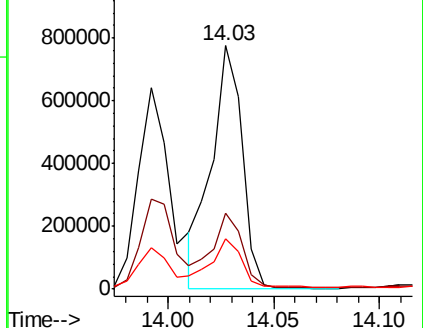
229 20.8 16.4 24.6

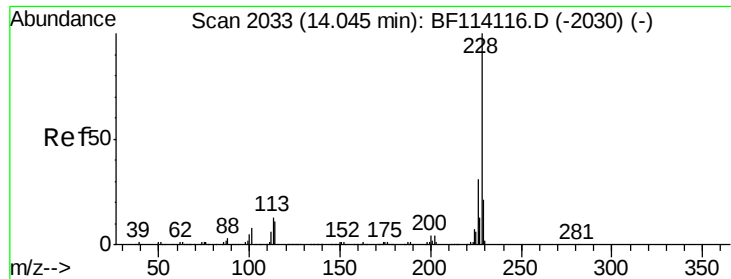


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 21.758 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

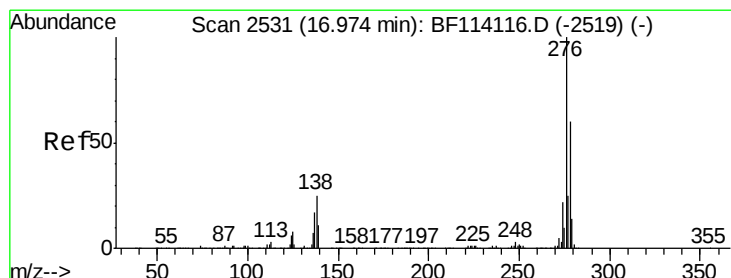
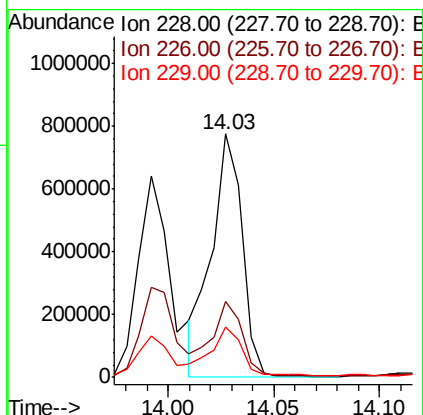
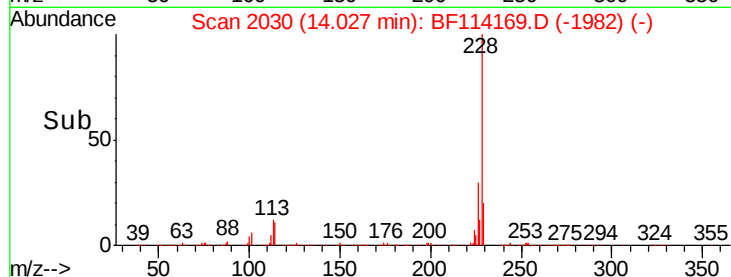
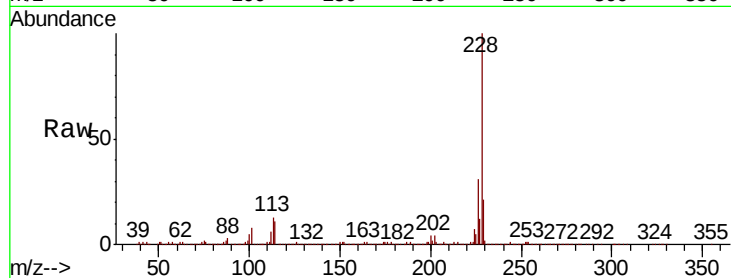
Tgt Ion:228 Resp: 781498

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

229 20.8 17.0 25.6



#86

Indeno(1,2,3-cd)pyrene

Concen: 20.025 ng

RT: 16.93 min Scan# 2523

Delta R.T. -0.05 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

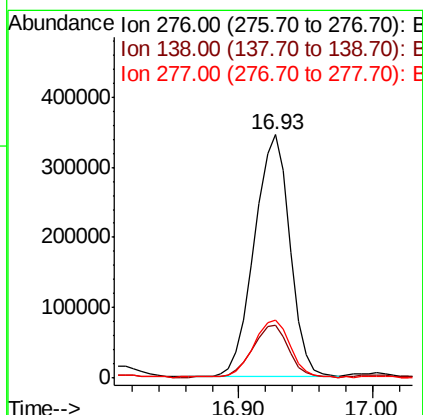
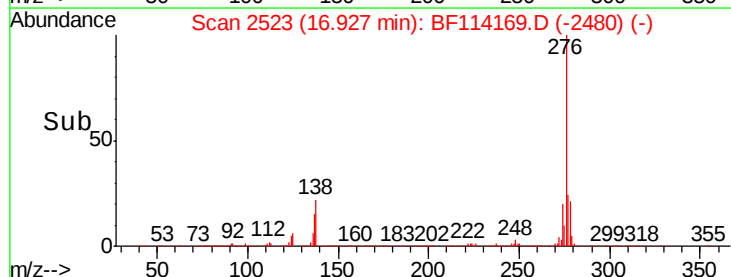
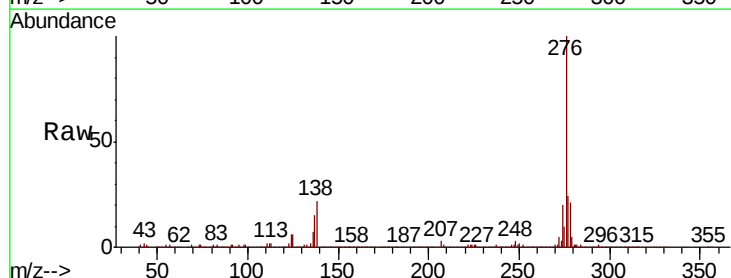
Tgt Ion:276 Resp: 635654

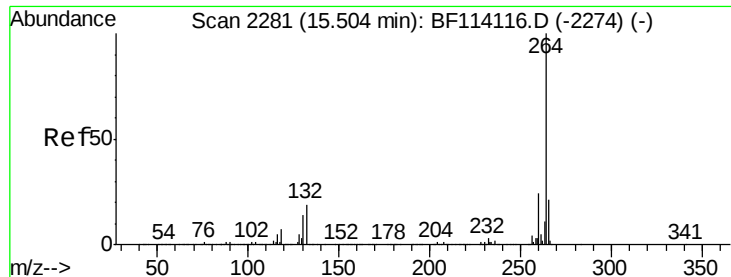
Ion Ratio Lower Upper

276 100

138 21.9 20.2 30.2

277 24.1 20.0 30.0

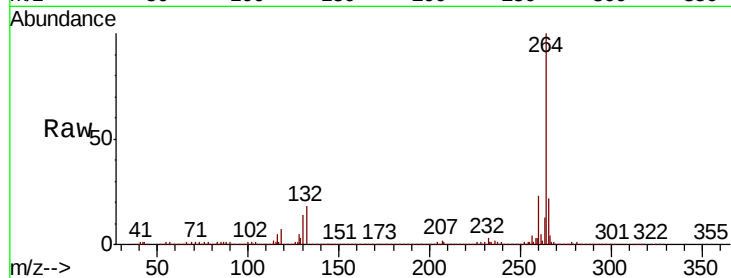




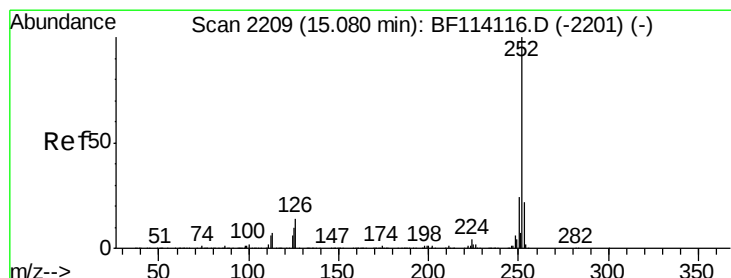
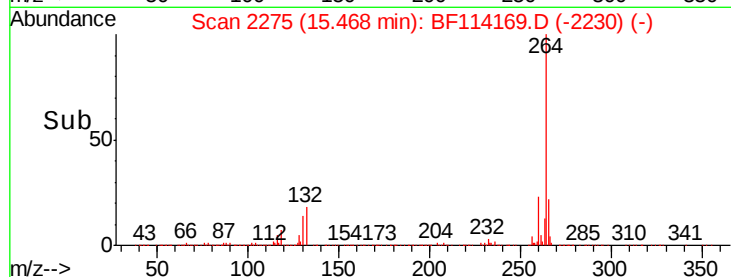
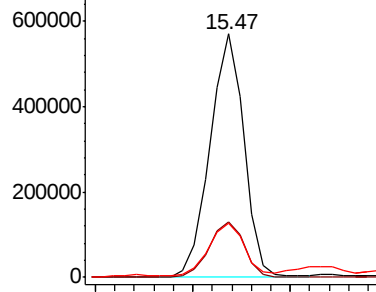
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.04 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tgt Ion: 264 Resp: 684611
Ion Ratio Lower Upper
264 100
260 22.9 19.4 29.0
265 22.4 16.9 25.3

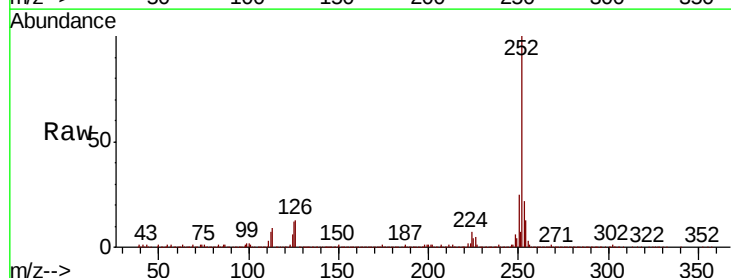


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

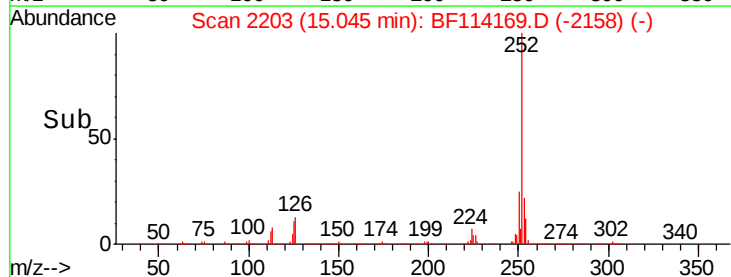
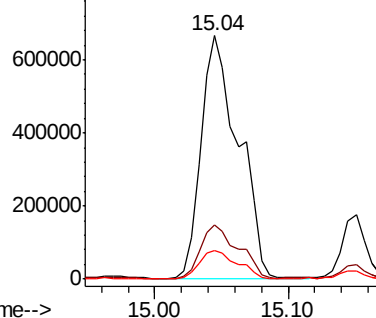


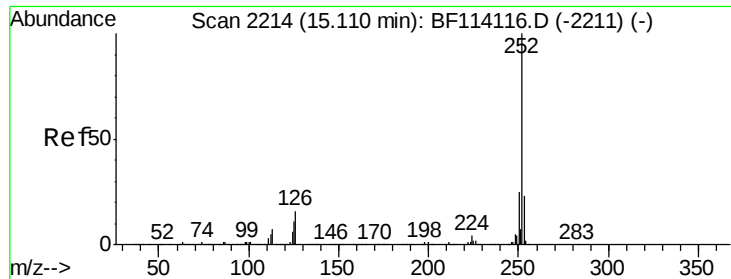
#88
Benzo(b)fluoranthene
Concen: 29.488 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion: 252 Resp: 1293367
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 11.6 8.3 12.5



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

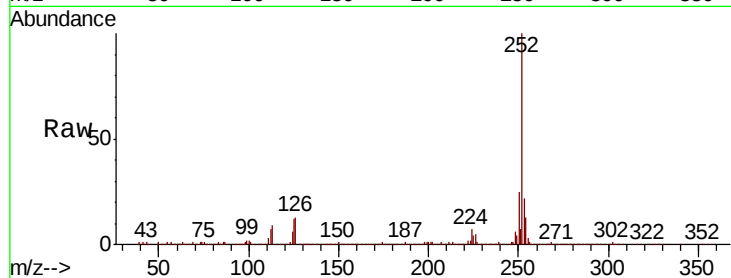




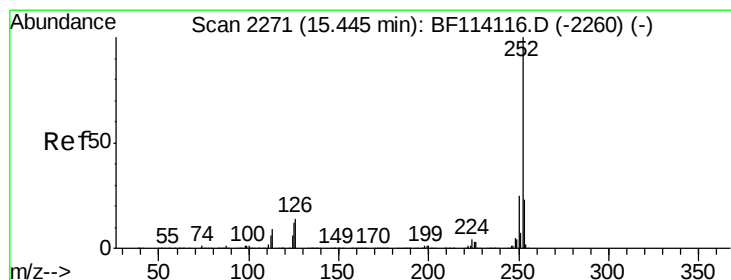
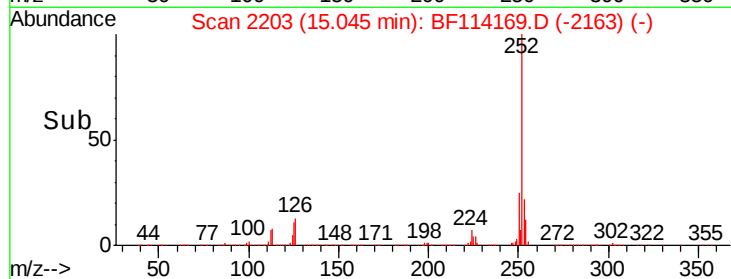
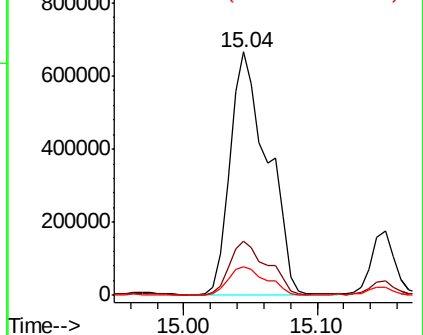
#89
Benzo(k)fluoranthene
Concen: 32.102 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.06 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0206-01

Tgt Ion:252 Resp: 1293367
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 11.6 8.6 13.0

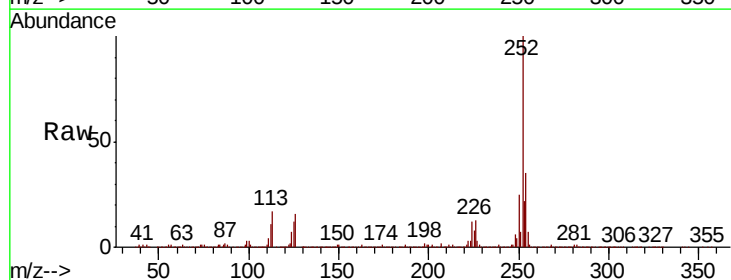


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

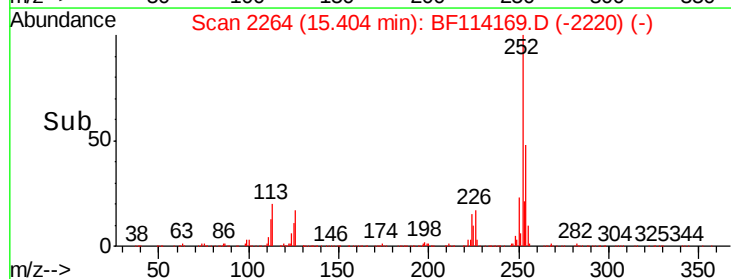
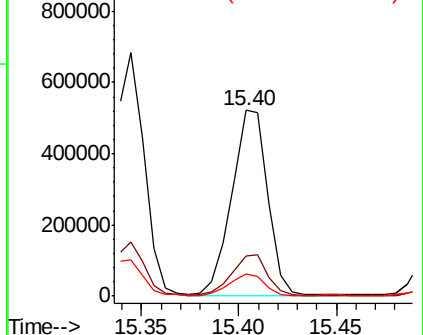


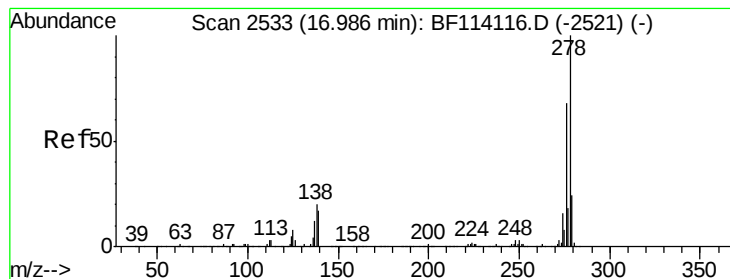
#90
Benzo(a)pyrene
Concen: 17.127 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.04 min
Lab File: BF114169.D
Acq: 11 May 2019 22:41

Tgt Ion:252 Resp: 661116
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 12.2 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: 3.132 ng

RT: 17.10 min Scan# 2552

Delta R.T. 0.11 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0206-01

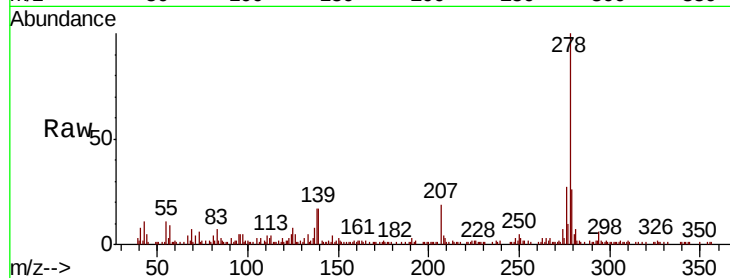
Tgt Ion: 278 Resp: 100472

Ion Ratio Lower Upper

278 100

139 17.3 13.5 20.3

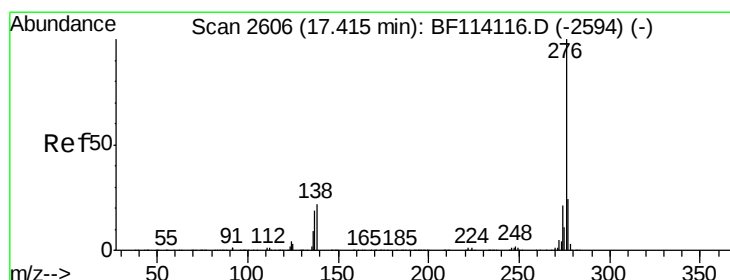
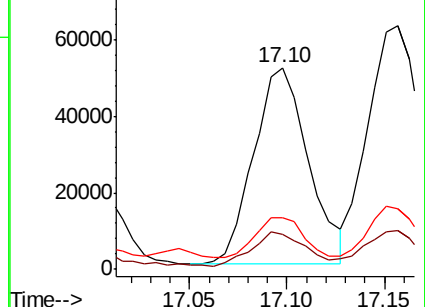
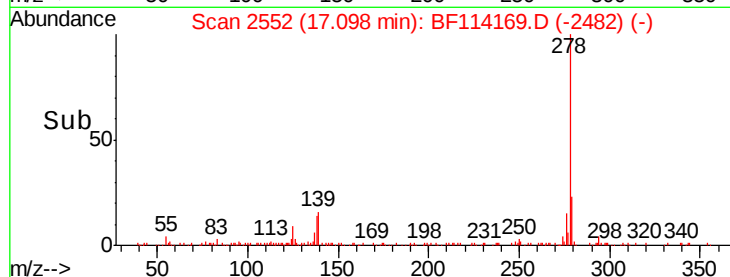
279 25.8 19.0 28.6



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(g,h,i)perylene

Concen: 23.341 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.05 min

Lab File: BF114169.D

Acq: 11 May 2019 22:41

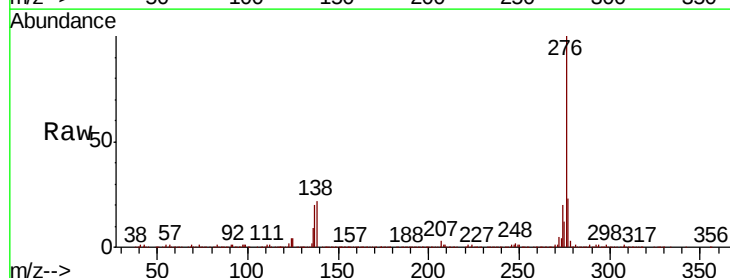
Tgt Ion: 276 Resp: 750274

Ion Ratio Lower Upper

276 100

277 22.5 19.0 28.4

138 22.4 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

