

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112504.D
 Acq On : 12 Feb 2019 11:26
 Operator : JU/SJ
 Sample : K1442-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

Quant Time: Feb 13 03:37:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	130167	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	483681	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	207942	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	327411	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	266577	20.00	ng	0.00
87) Perylene-d12	15.49	264	196266	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	763023	124.51	ng	-0.01
7) Phenol-d6	6.49	99	934216	109.71	ng	0.00
23) Nitrobenzene-d5	7.40	82	589844	70.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	221245	91.41	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1022548	69.55	ng	-0.02
79) Terphenyl-d14	12.94	244	777458	54.93	ng	-0.01

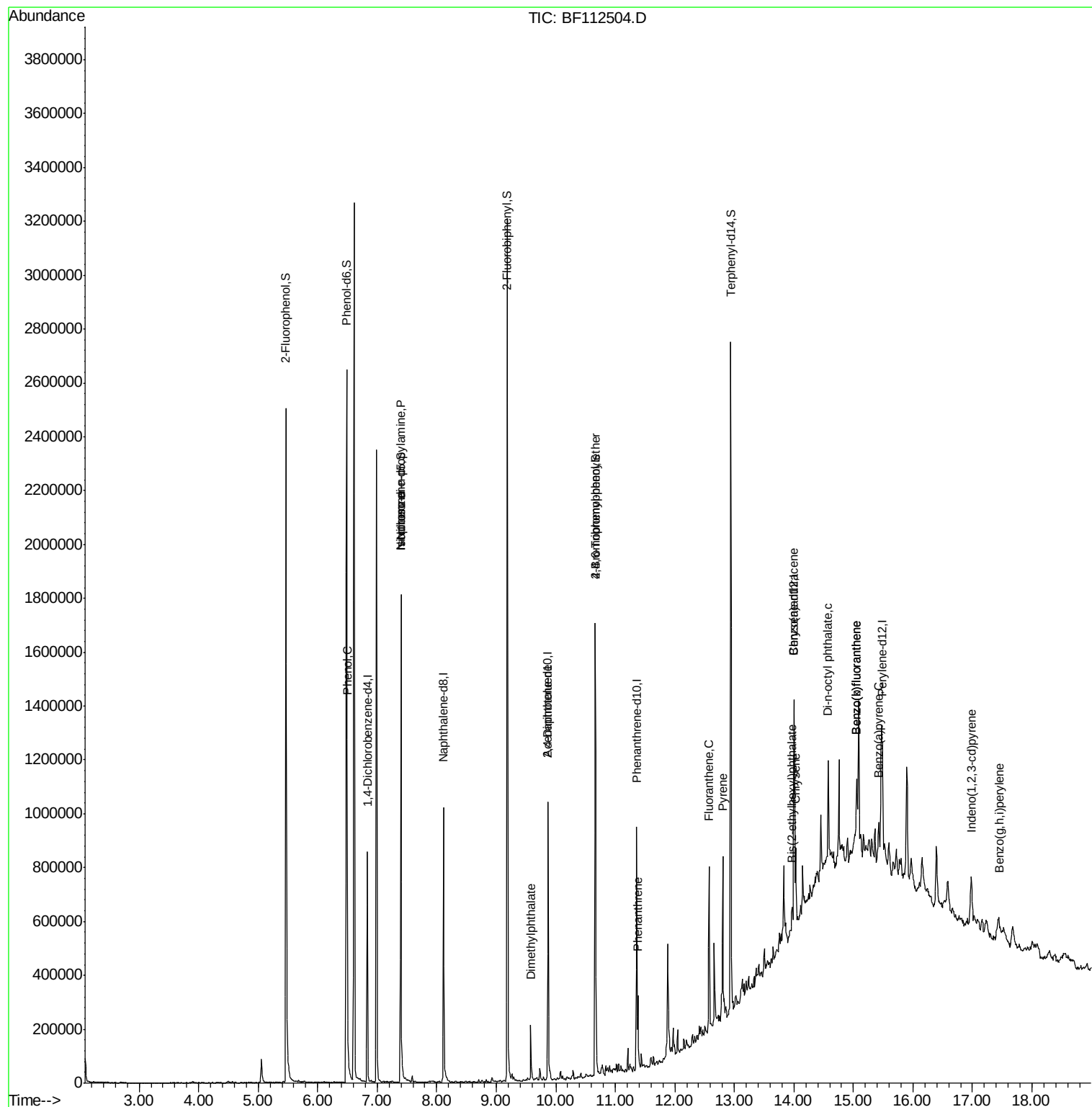
Target Compounds				Qvalue		
10) Phenol	6.50	94	26803	2.869	ng	95
19) n-Nitroso-di-n-propylamine	7.40	70	77798	13.250	ng	# 76
25) Isophorone	7.40	82	589841	44.790	ng	# 63
50) Dimethylphthalate	9.58	163	83592	5.174	ng	98
57) 2,4-Dinitrotoluene	9.87	165	27061	5.875	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	13071	3.394	ng	# 1
71) Phenanthrene	11.38	178	98147	5.766	ng	97
75) Fluoranthene	12.57	202	227392	12.455	ng	98
78) Pyrene	12.80	202	221059	11.977	ng	97
81) Benzo(a)anthracene	14.00	228	119402	7.619	ng	99
83) Chrysene	14.03	228	107847	7.210	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	29996	2.367	ng	# 99
85) Di-n-octyl phthalate	14.57	149	174577	8.952	ng	# 88
86) Indeno(1,2,3-cd)pyrene	16.99	276	44286	3.736	ng	93
88) Benzo(b)fluoranthene	15.06	252	161416	13.752	ng	# 89
89) Benzo(k)fluoranthene	15.06	252	161416	14.357	ng	# 89
90) Benzo(a)pyrene	15.43	252	77396	7.328	ng	# 90
92) Benzo(g,h,i)perylene	17.44	276	48182	6.000	ng	# 92

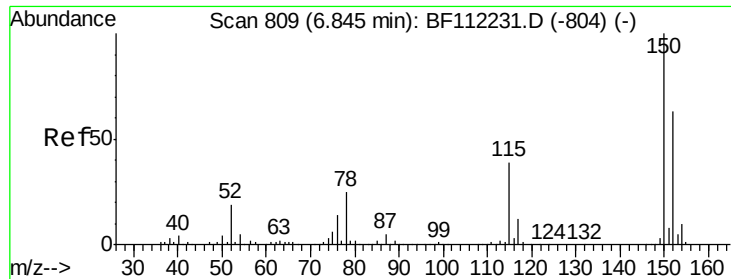
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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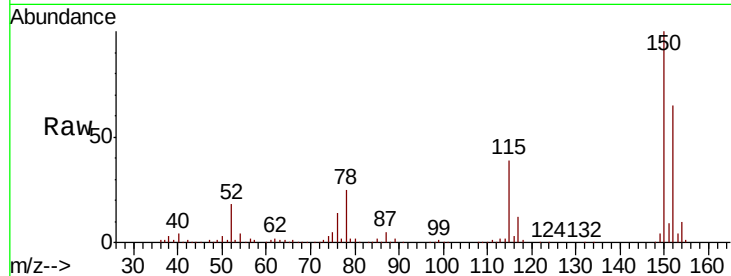


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.8	127.4	191.0
115	58.8	45.5	68.3

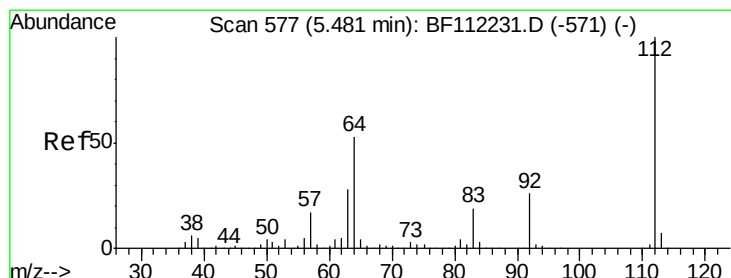
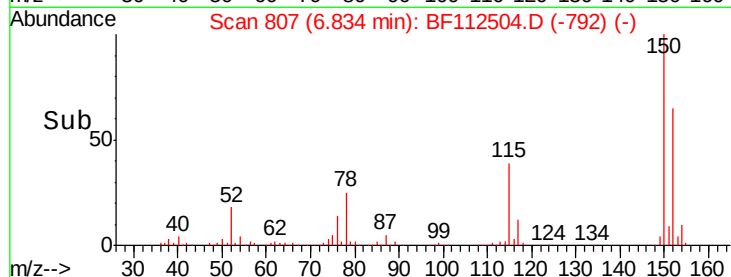
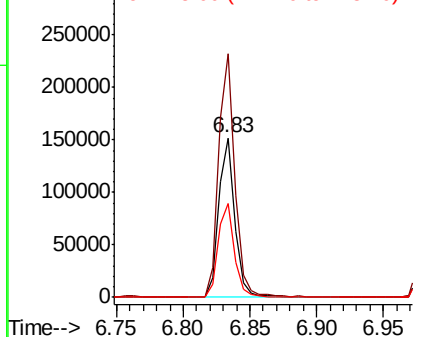


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

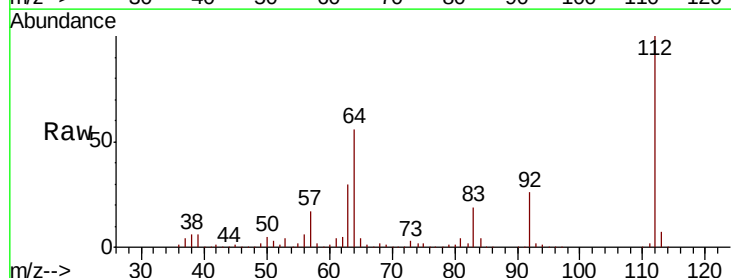
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.510 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.7	68.5
63	30.4	23.6	35.4

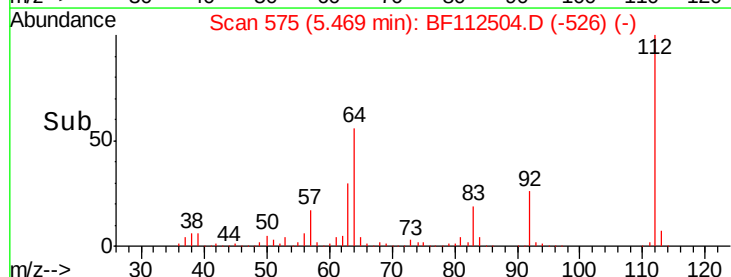
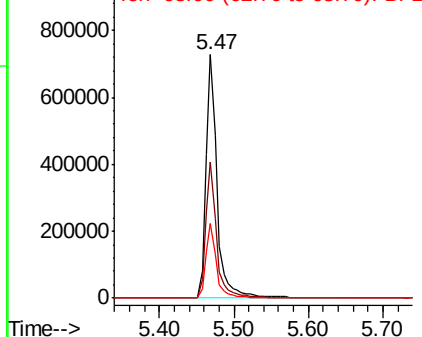


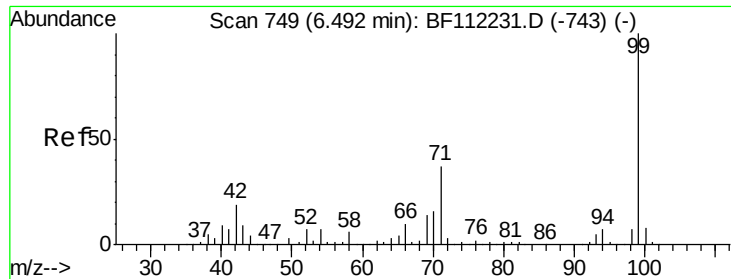
Abundance

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: 109.708 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

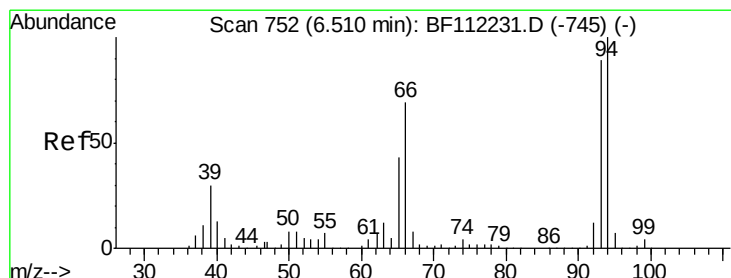
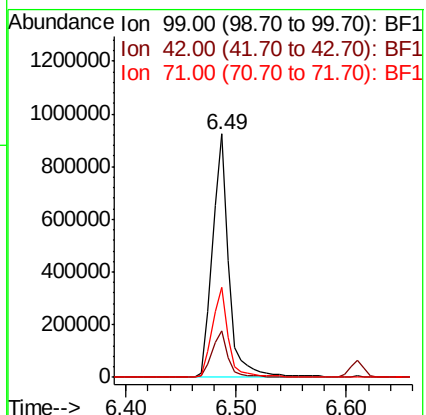
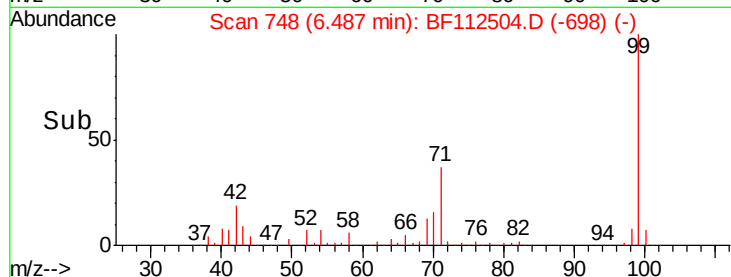
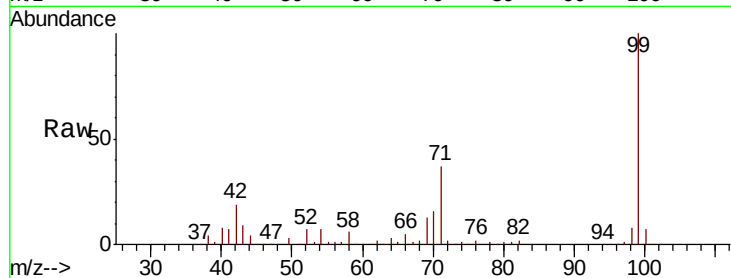
Tgt Ion: 99 Resp: 934216

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

71 36.9 26.9 40.3



#10

Phenol

Concen: 2.869 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

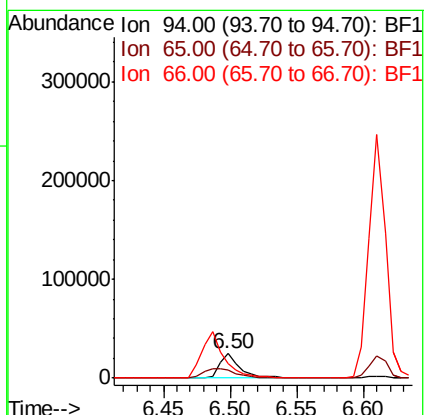
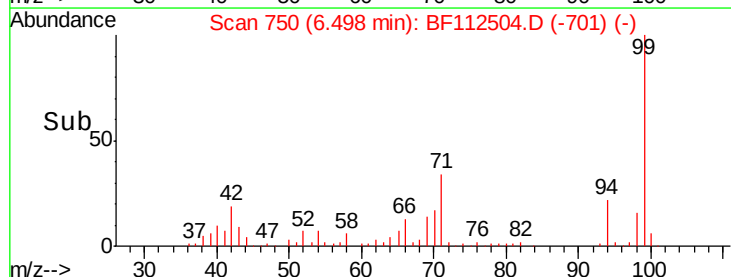
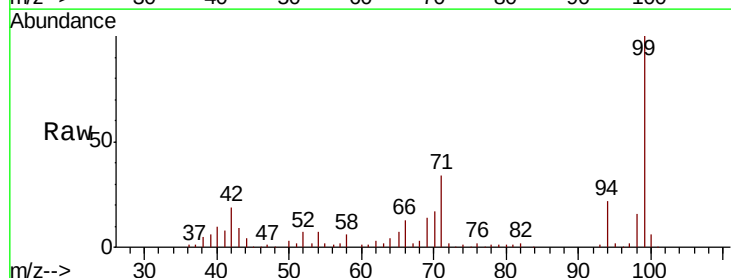
Tgt Ion: 94 Resp: 26803

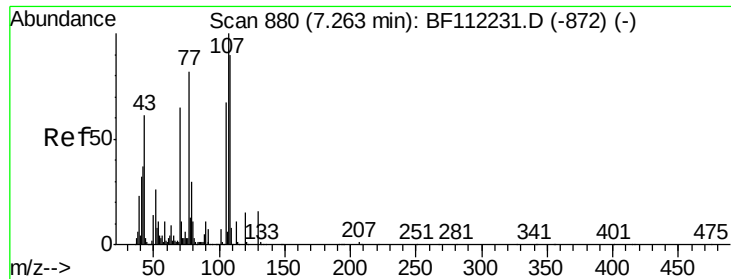
Ion Ratio Lower Upper

94 100

65 34.0 20.3 60.3

66 60.7 42.4 82.4

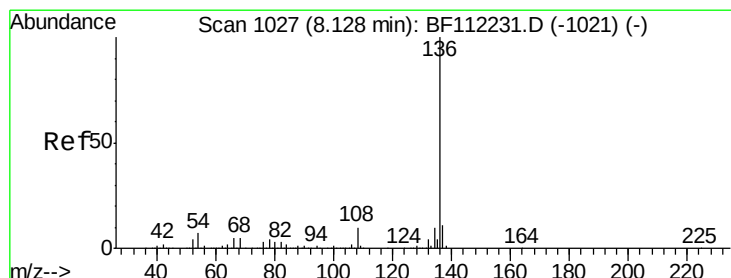
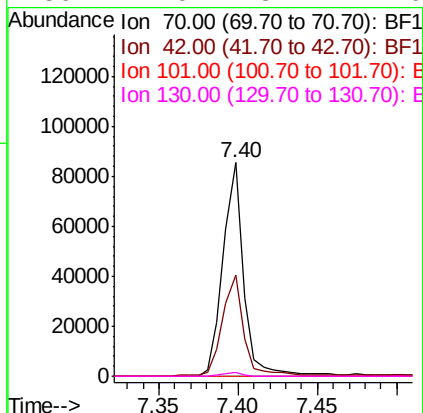
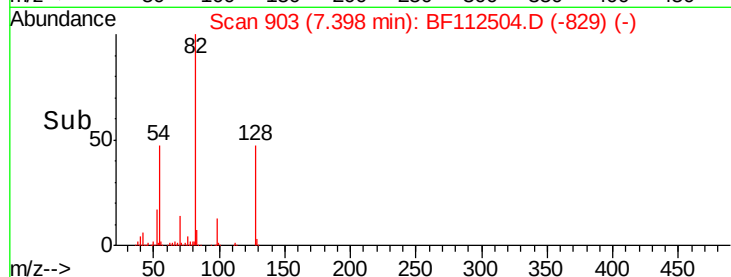
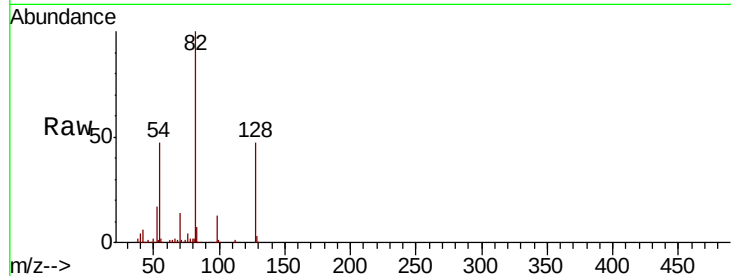




#19
n-Nitroso-di-n-propylamine
Concen: 13.250 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

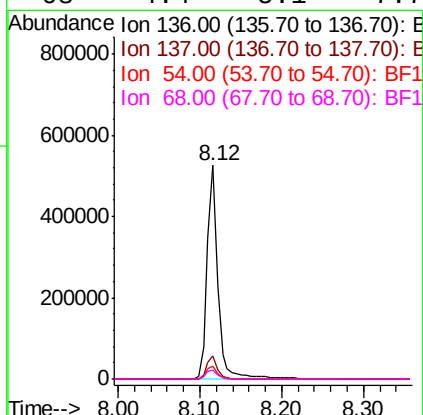
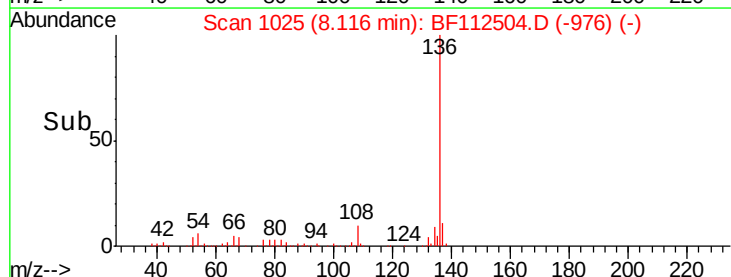
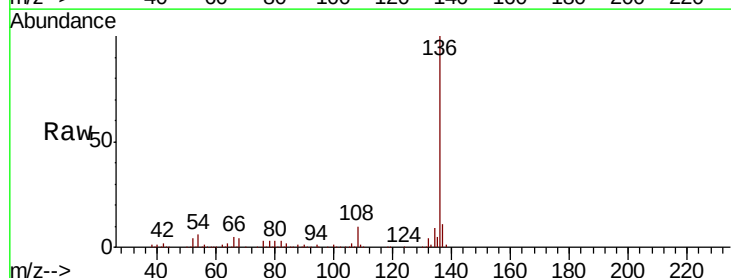
Instrument :
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ClientSampleId :
COMP-11

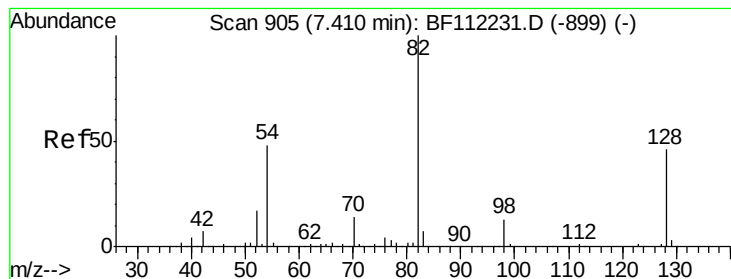
Tgt Ion: 70 Resp: 77798
Ion Ratio Lower Upper
70 100
42 47.1 47.6 71.4#
101 0.0 7.9 11.9#
130 2.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion: 136 Resp: 483681
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 6.2 5.9 8.9
68 4.4 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 70.267 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

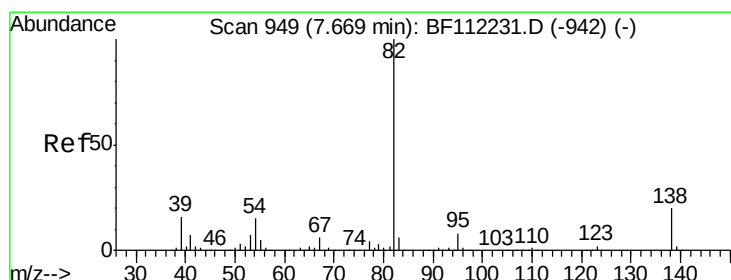
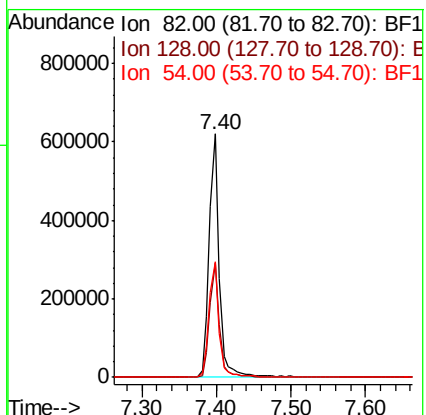
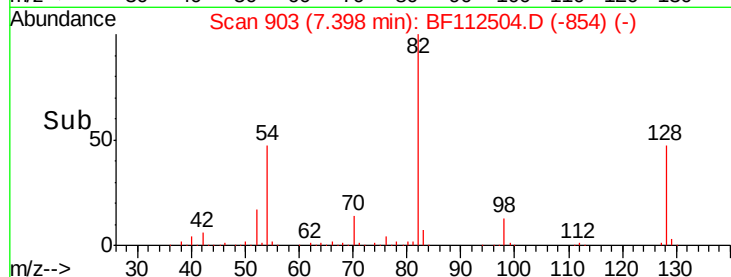
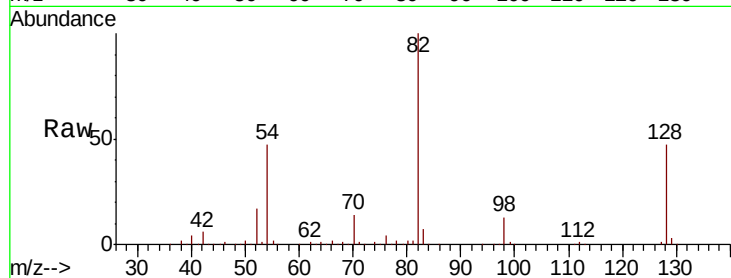
Tgt Ion: 82 Resp: 589844

Ion Ratio Lower Upper

82 100

128 46.8 37.8 56.8

54 47.3 39.7 59.5



#25

Isophorone

Concen: 44.790 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

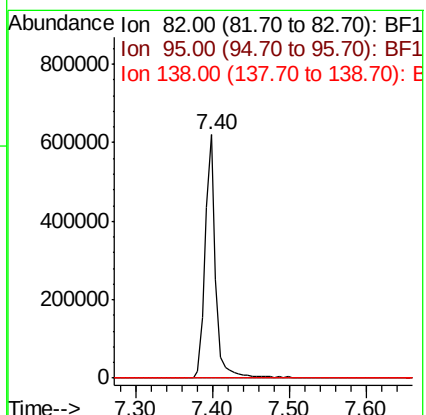
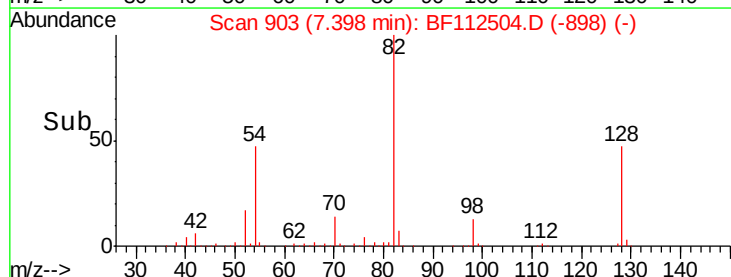
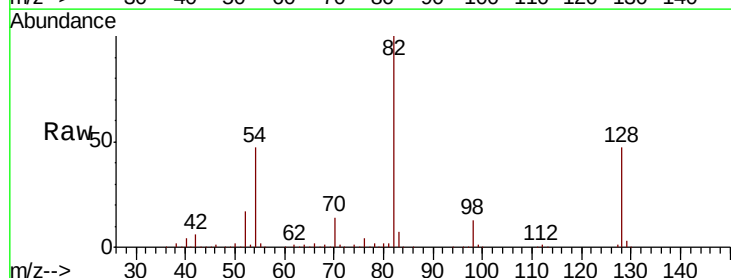
Tgt Ion: 82 Resp: 589841

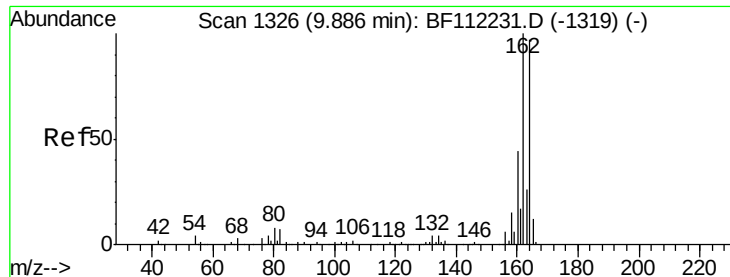
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#

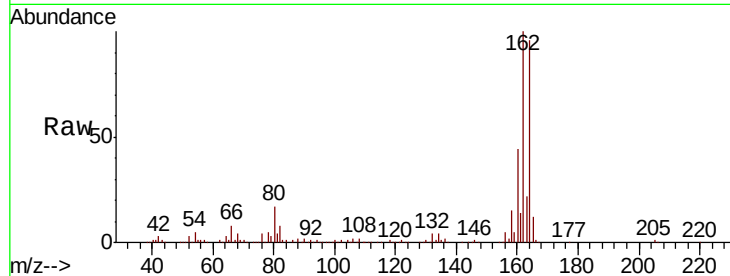




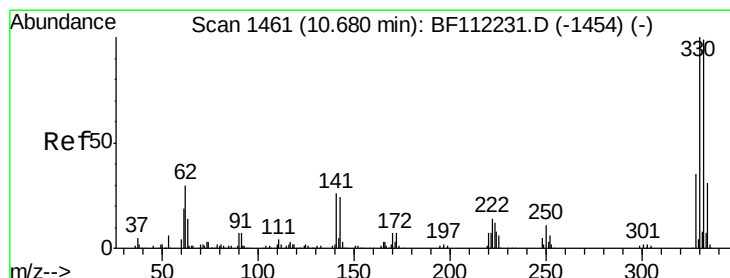
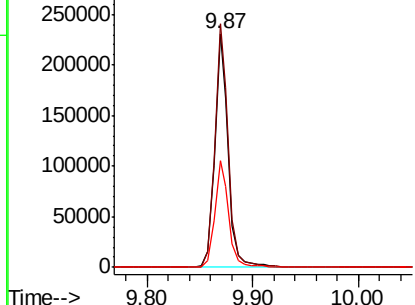
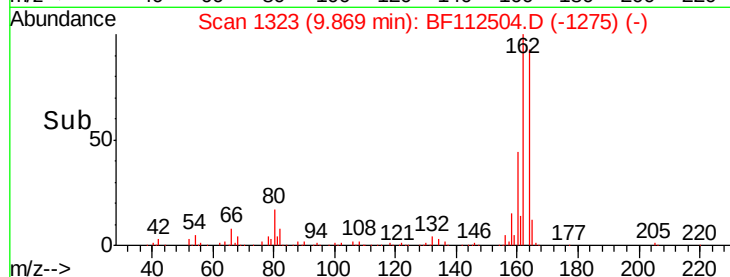
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

Tgt Ion:164 Resp: 207942
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.2 123.4
 160 45.4 36.2 54.4

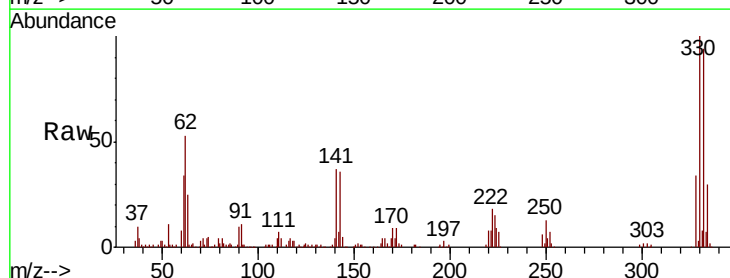


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

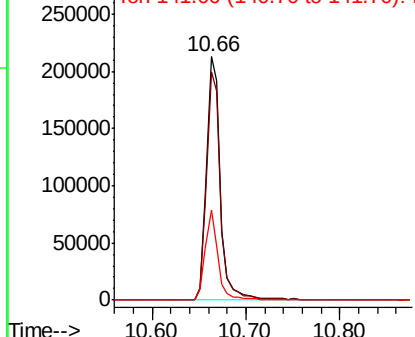
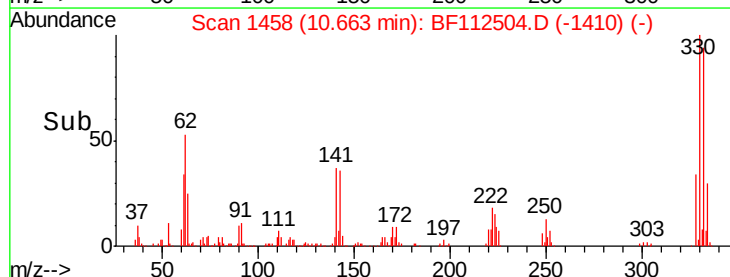


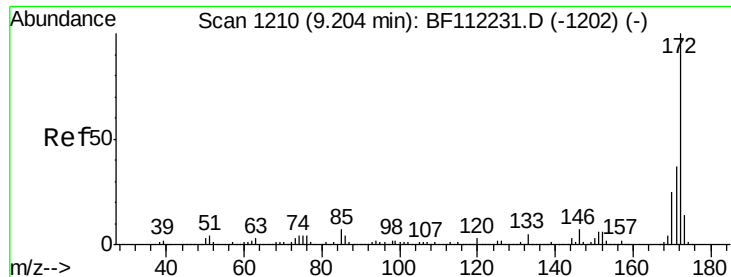
#42
 2,4,6-Tribromophenol
 Concen: 91.409 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

Tgt Ion:330 Resp: 221245
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.6 114.8
 141 34.0 24.3 36.5



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

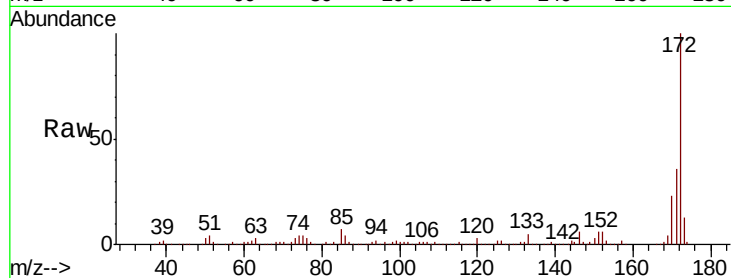




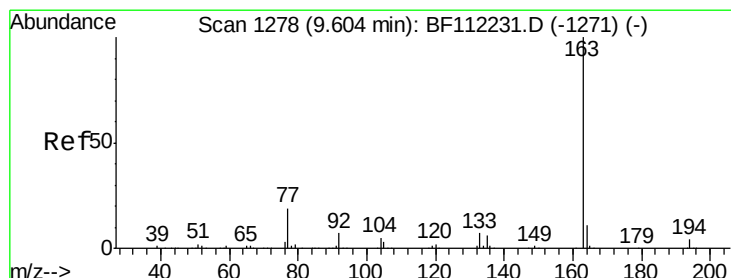
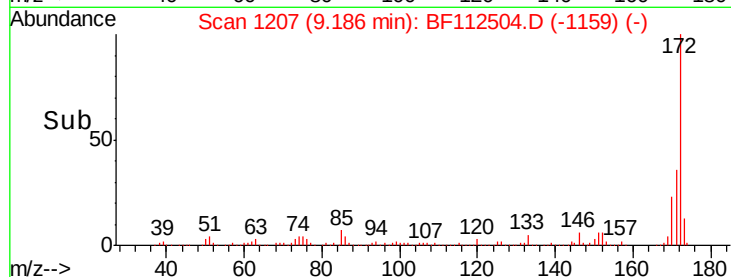
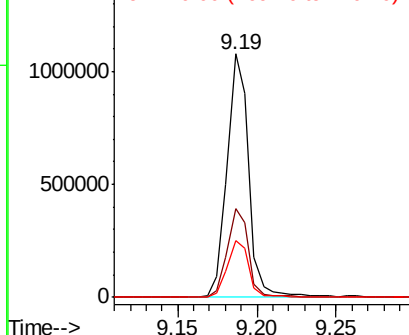
#45
2-Fluorobiphenyl
Concen: 69.550 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 1022548
Ion Ratio Lower Upper
172 100
171 36.4 30.5 45.7
170 23.5 20.2 30.4

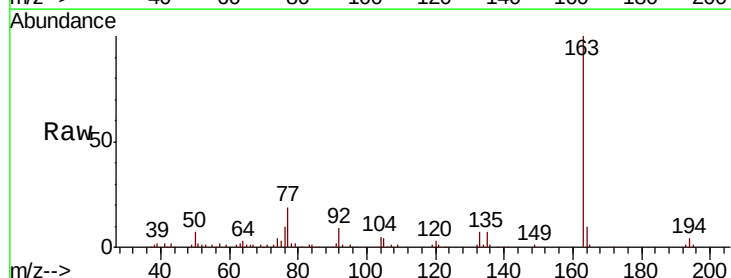


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

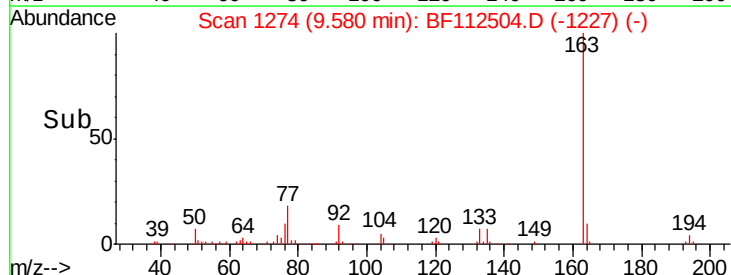
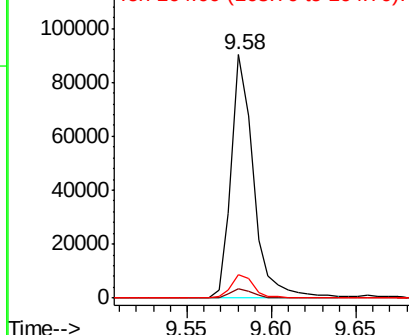


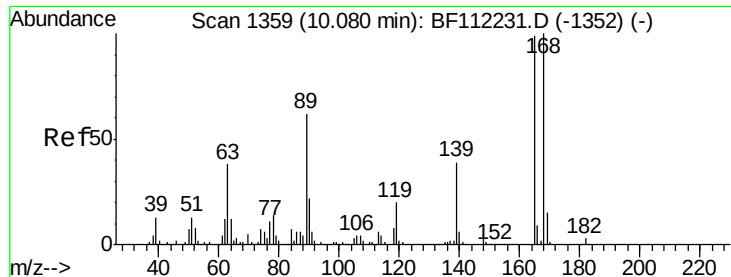
#50
Dimethylphthalate
Concen: 5.174 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion:163 Resp: 83592
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.5 8.5 12.7



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





#57

2,4-Dinitrotoluene

Concen: 5.875 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

Tgt Ion:165 Resp: 27061

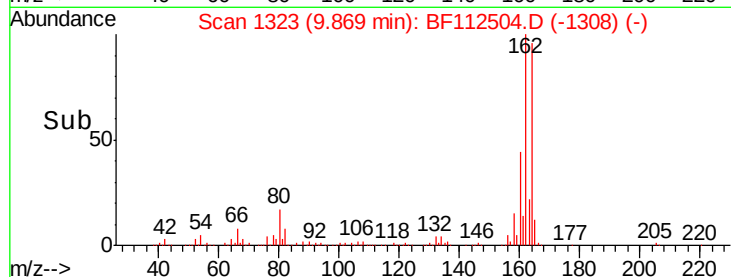
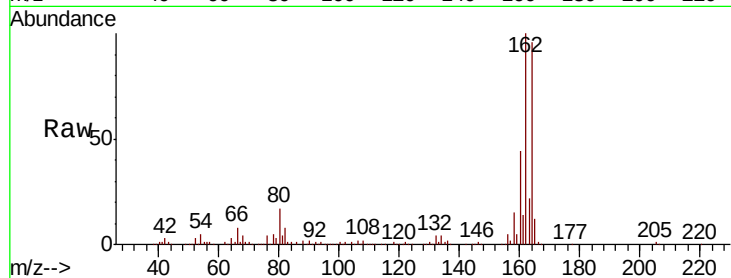
Ion Ratio Lower Upper

165 100

63 1.8 27.9 41.9#

89 1.0 47.9 71.9#

182 0.0 2.2 3.4#

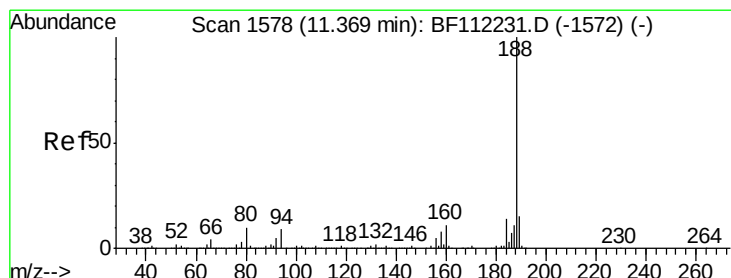
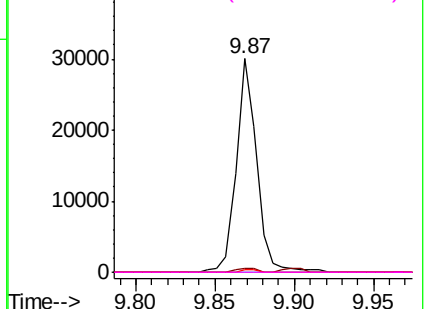


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

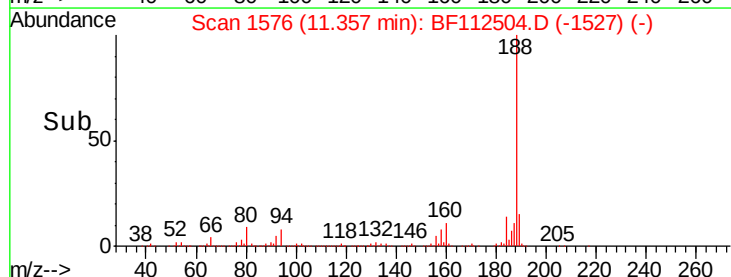
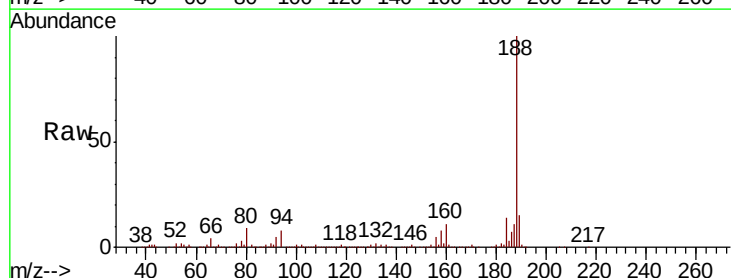
Tgt Ion:188 Resp: 327411

Ion Ratio Lower Upper

188 100

94 8.3 8.2 12.2

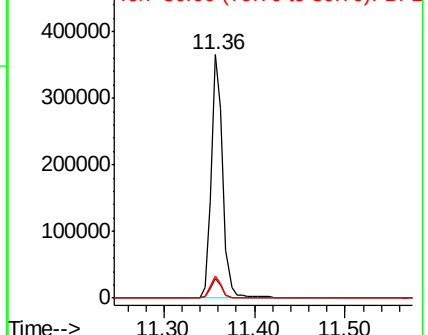
80 9.4 8.9 13.3

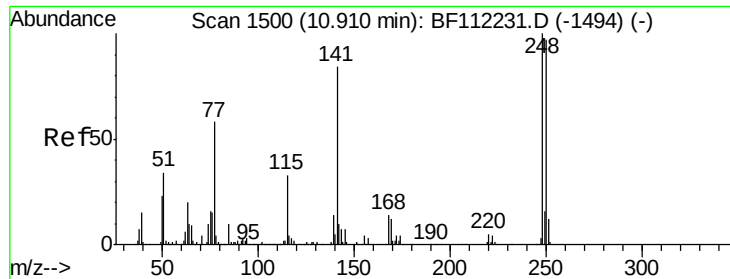


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

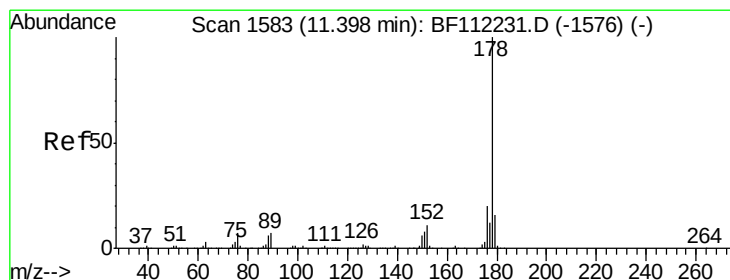
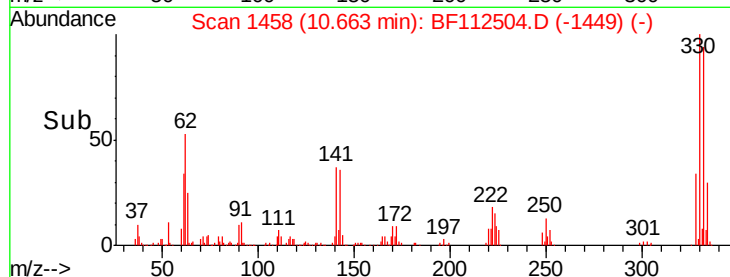
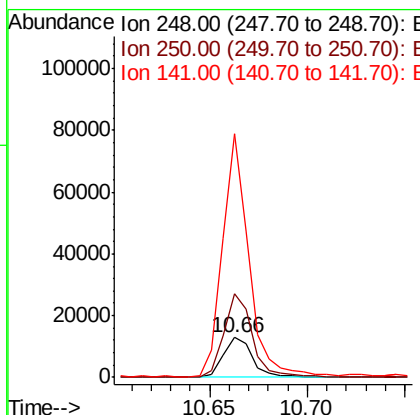
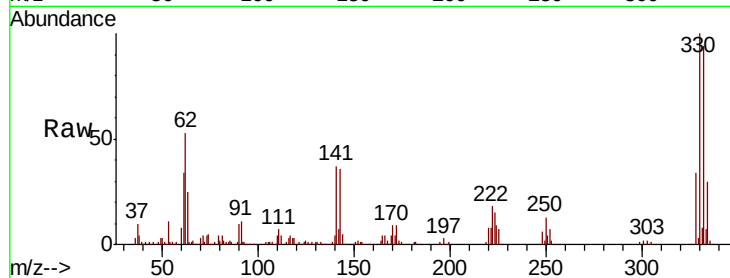




#67
 4-Bromophenyl-phenylether
 Concen: 3.394 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

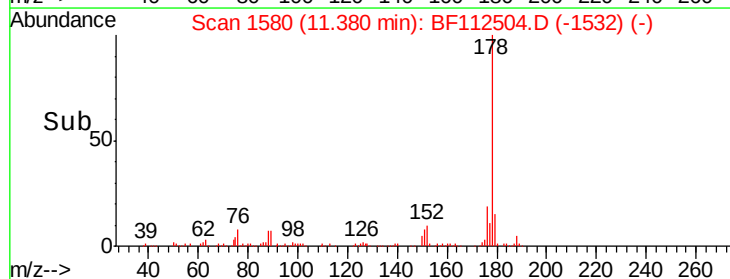
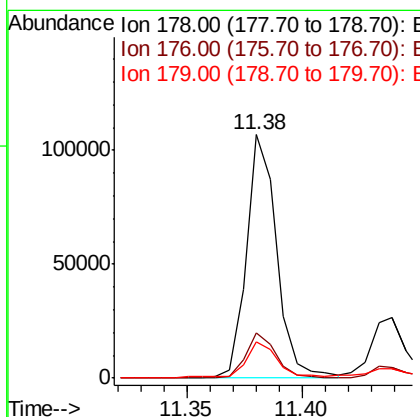
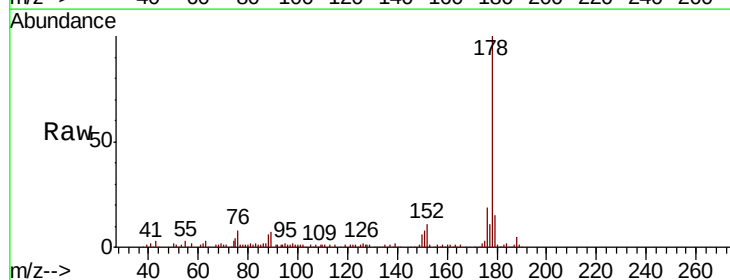
Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

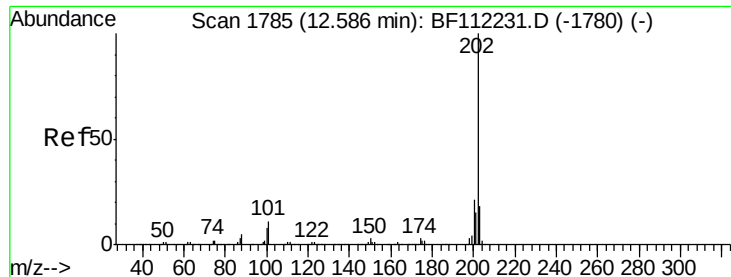
Tgt Ion: 248 Resp: 13071
 Ion Ratio Lower Upper
 248 100
 250 212.5 79.7 119.5#
 141 614.2 60.3 90.5#



#71
 Phenanthrene
 Concen: 5.766 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

Tgt Ion: 178 Resp: 98147
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.3 24.5
 179 15.0 13.0 19.4





#75

Fluoranthene

Concen: 12.455 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

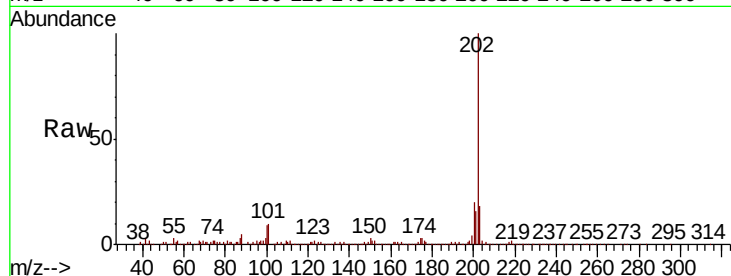
Tgt Ion:202 Resp: 227392

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.8

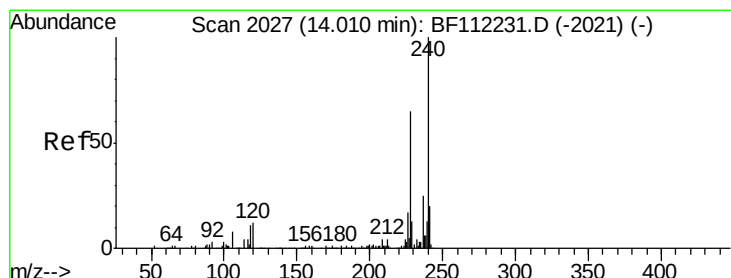
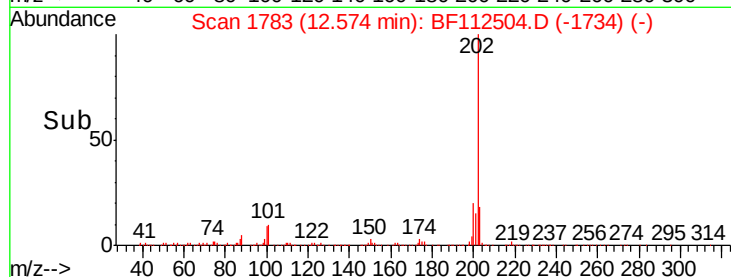
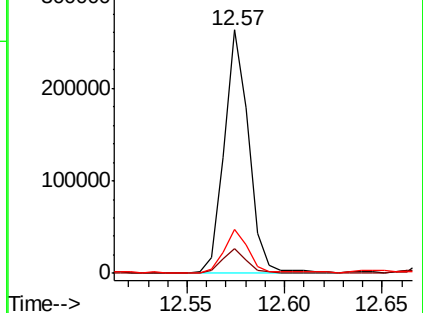
203 17.8 0.0 38.4



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: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

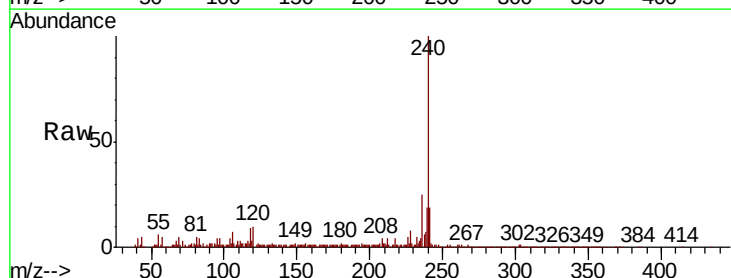
Tgt Ion:240 Resp: 266577

Ion Ratio Lower Upper

240 100

120 9.9 9.0 13.6

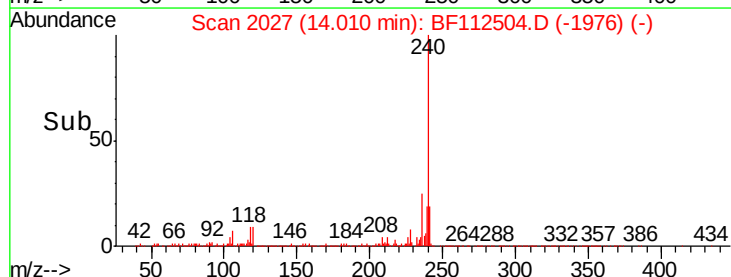
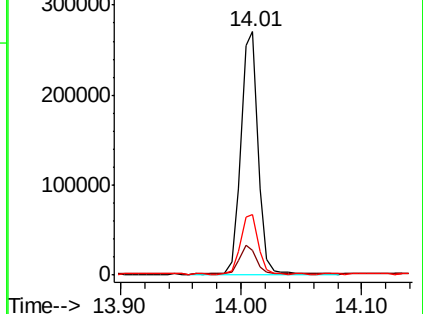
236 25.1 20.7 31.1

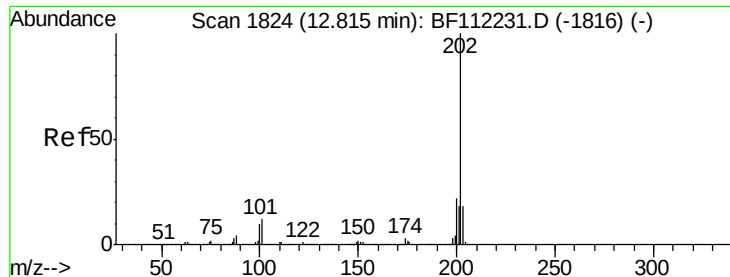


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

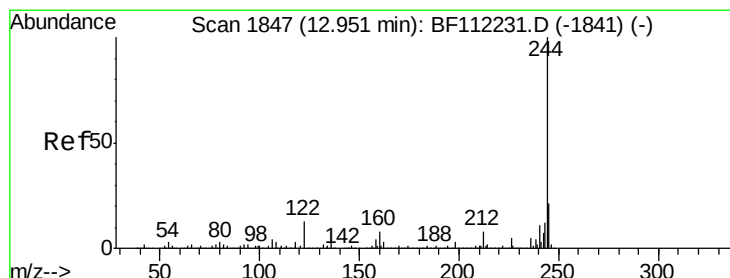
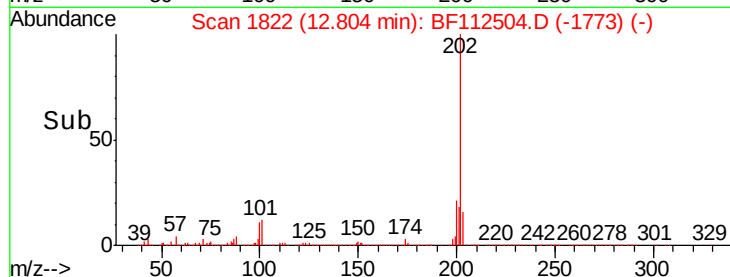
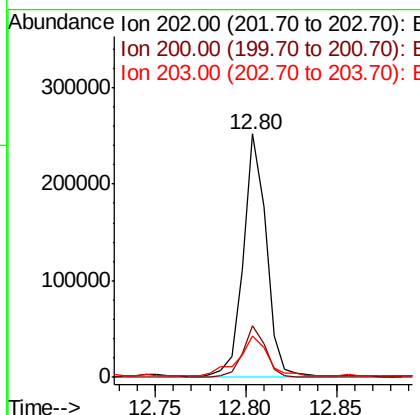
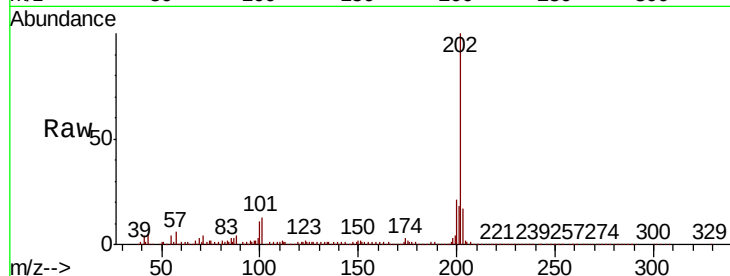




#78
 Pyrene
 Concen: 11.977 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

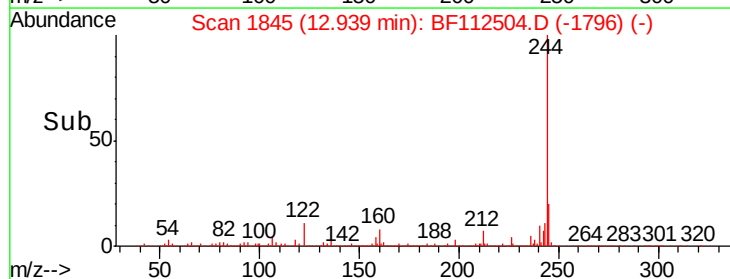
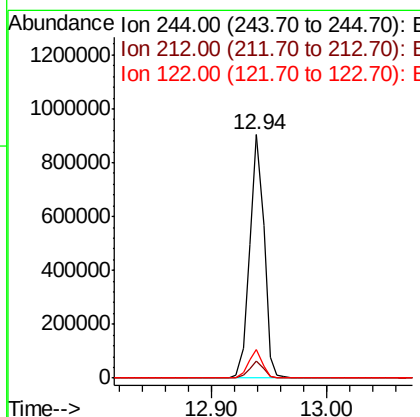
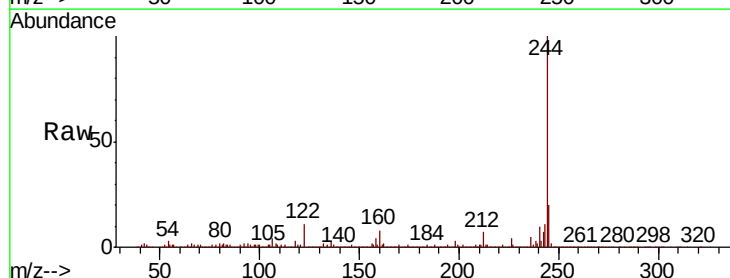
Instrument :
 BNA_F
 ClientSampleId :
 COMP-11

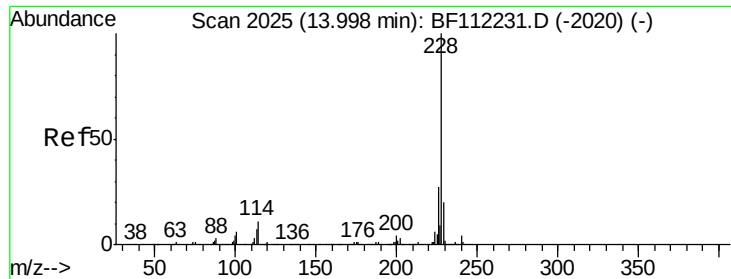
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	16.9	14.6	22.0



#79
 Terphenyl-d14
 Concen: 54.930 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112504.D
 Acq: 12 Feb 2019 11:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.5	9.8	14.6

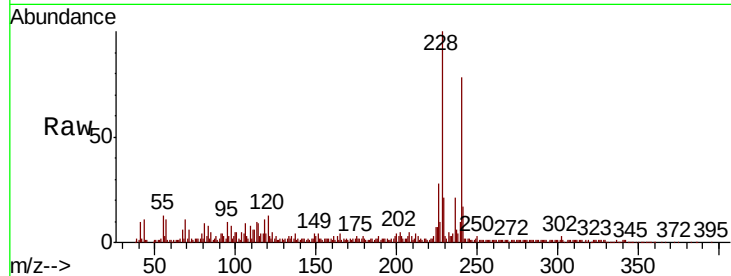




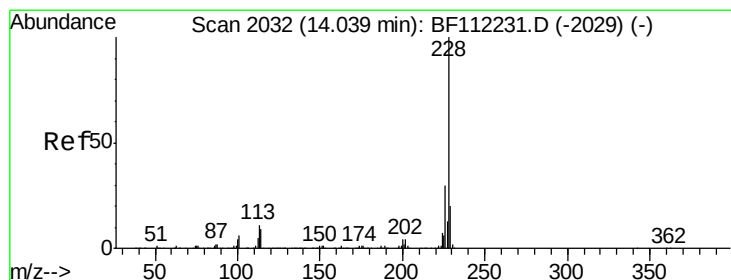
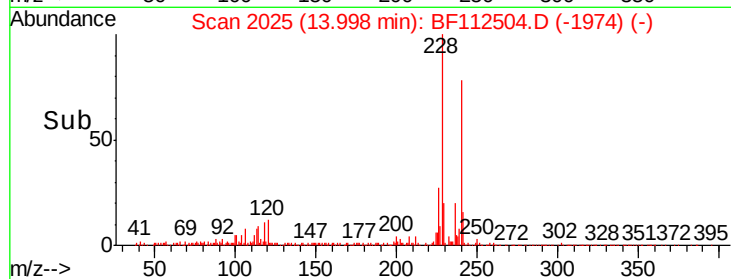
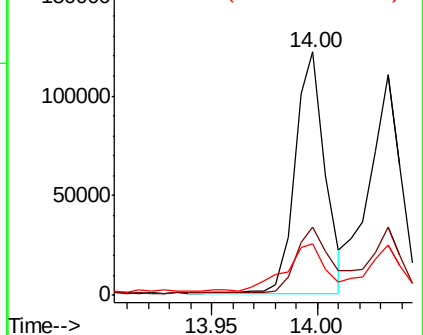
#81
Benzo(a)anthracene
Concen: 7.619 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Instrument :
BNA_F
ClientSampleId :
COMP-11

Tgt Ion:228 Resp: 119402
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 21.4 16.5 24.7

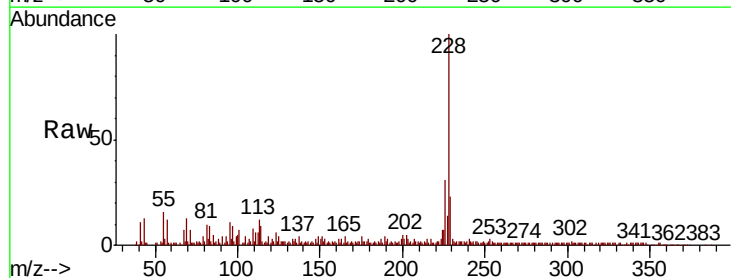


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

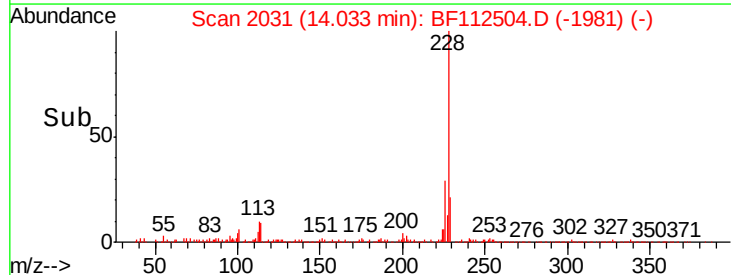
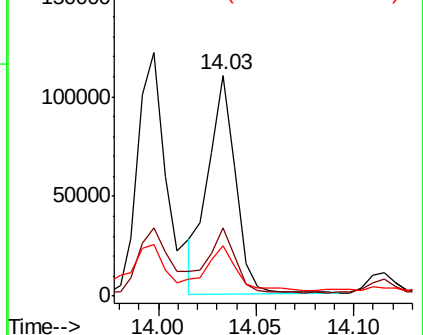


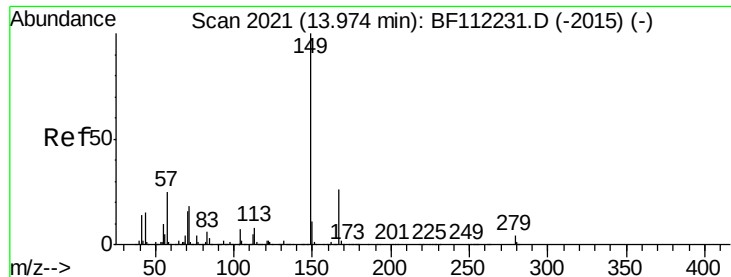
#83
Chrysene
Concen: 7.210 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112504.D
Acq: 12 Feb 2019 11:26

Tgt Ion:228 Resp: 107847
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 22.8 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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.367 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

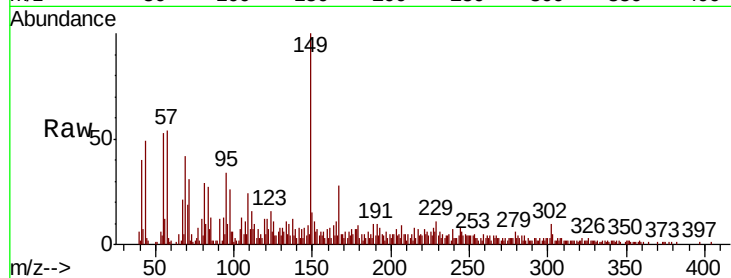
Tgt Ion:149 Resp: 29996

Ion Ratio Lower Upper

149 100

167 28.4 22.5 33.7

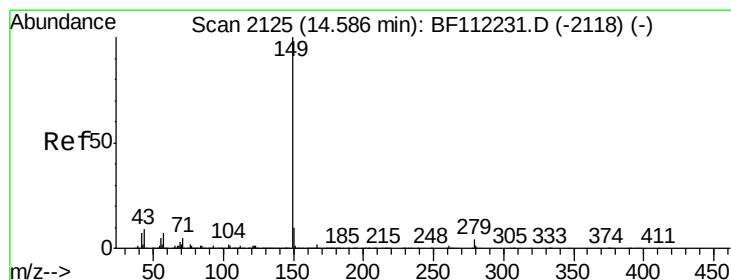
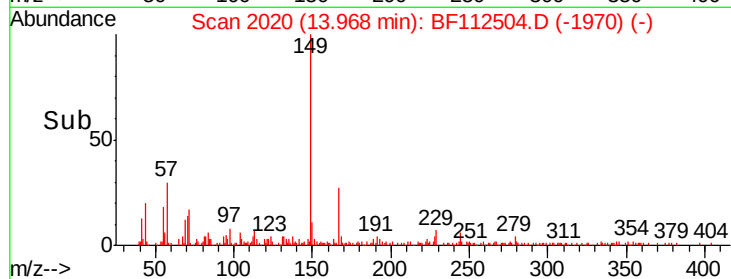
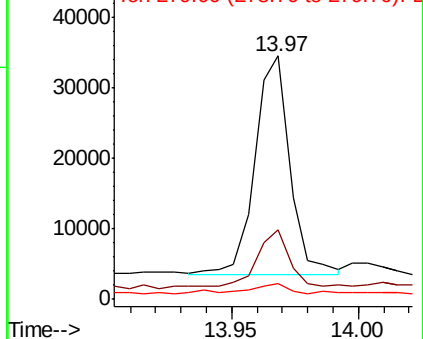
279 6.3 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 8.952 ng

RT: 14.57 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

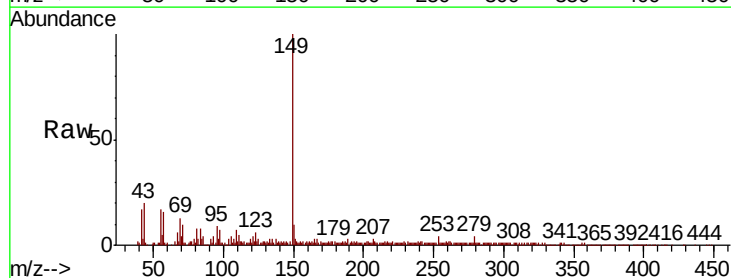
Tgt Ion:149 Resp: 174577

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

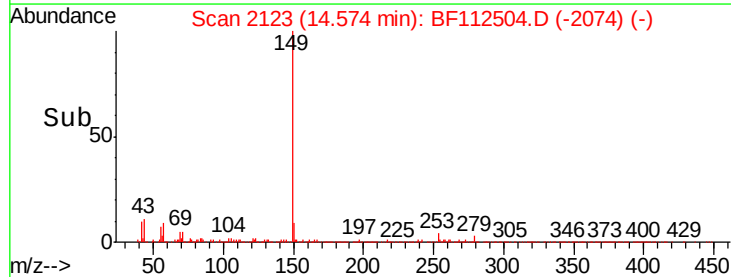
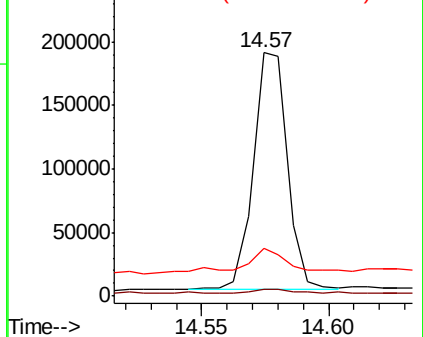
43 14.8 7.8 11.6#

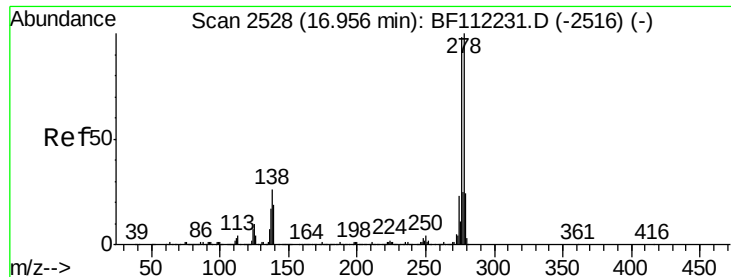


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.736 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.03 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

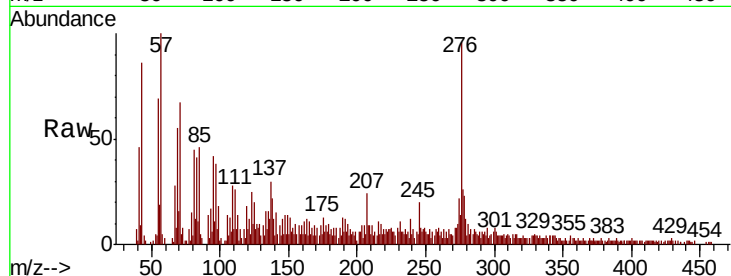
Tgt Ion:276 Resp: 44286

Ion Ratio Lower Upper

276 100

138 22.8 22.6 34.0

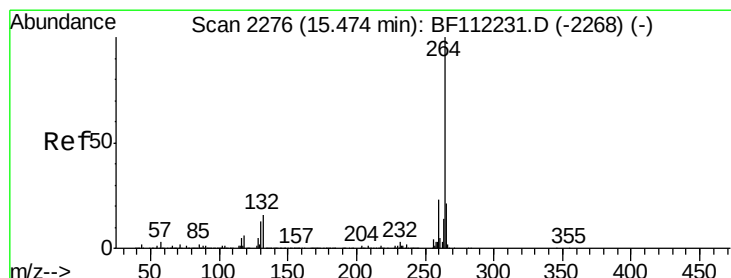
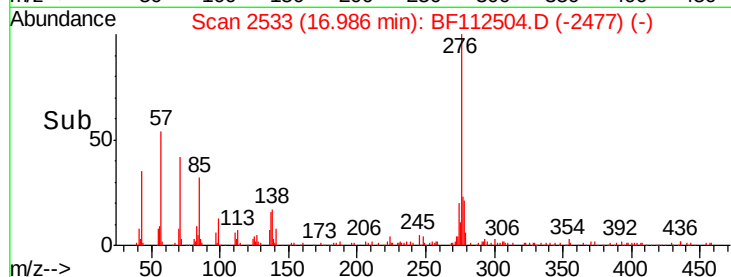
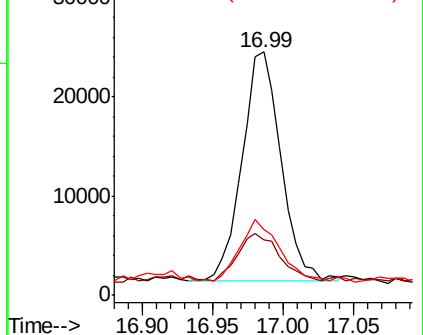
277 27.2 20.3 30.5



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: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

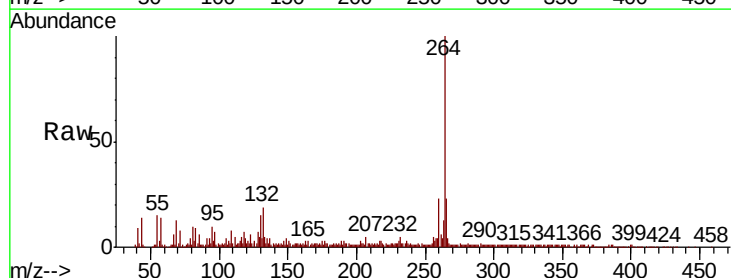
Tgt Ion:264 Resp: 196266

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

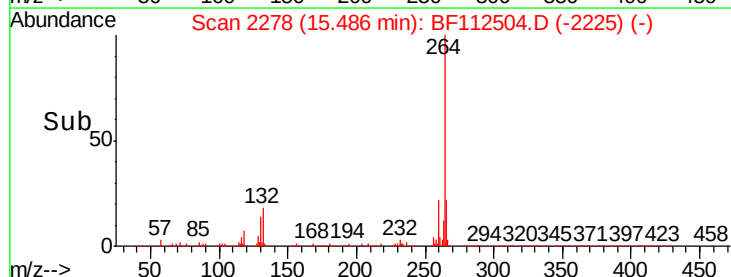
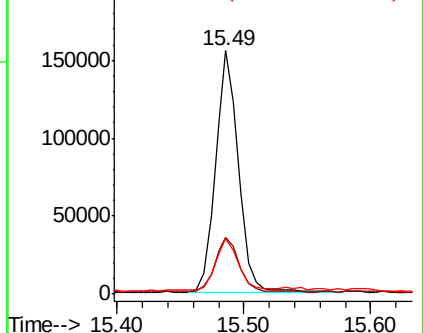
265 22.9 17.0 25.4

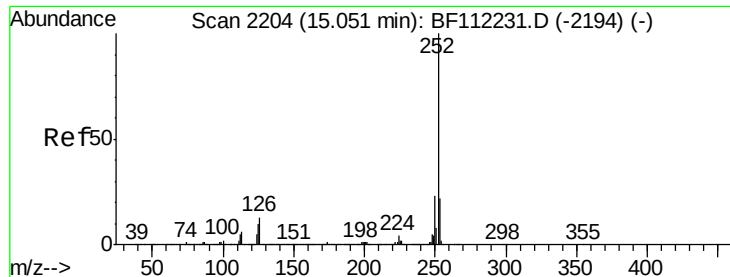


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 13.752 ng

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

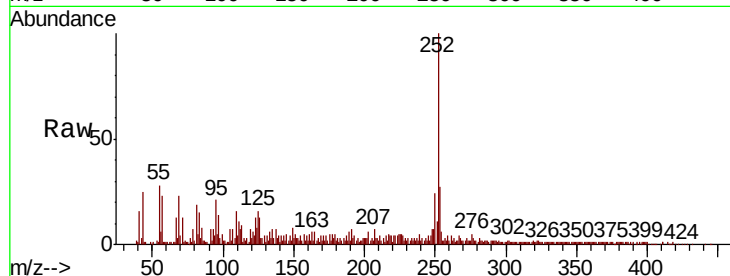
Tgt Ion:252 Resp: 161416

Ion Ratio Lower Upper

252 100

253 27.5 18.0 27.0#

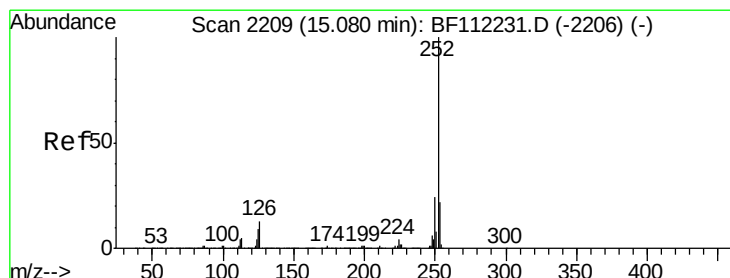
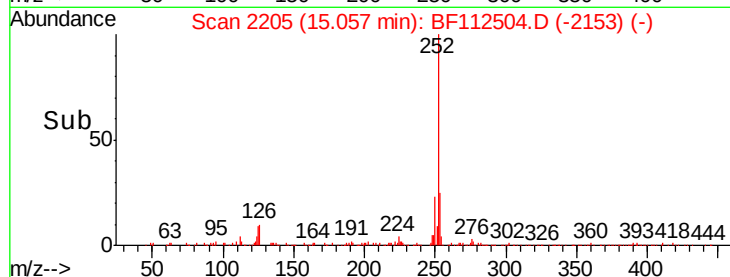
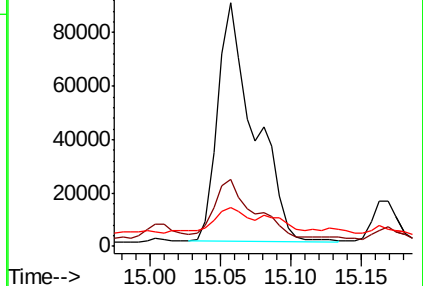
125 15.8 8.7 13.1#



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: 14.357 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

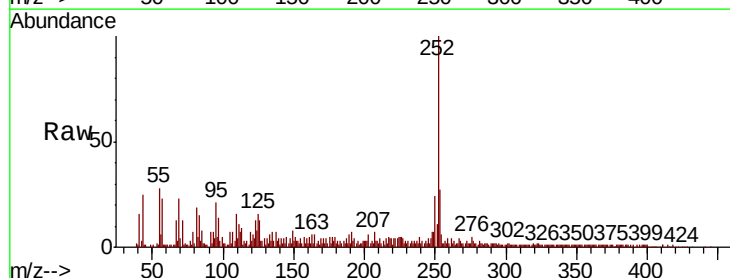
Tgt Ion:252 Resp: 161416

Ion Ratio Lower Upper

252 100

253 27.5 18.0 27.0#

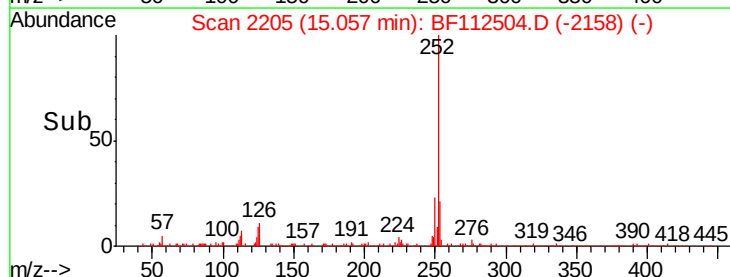
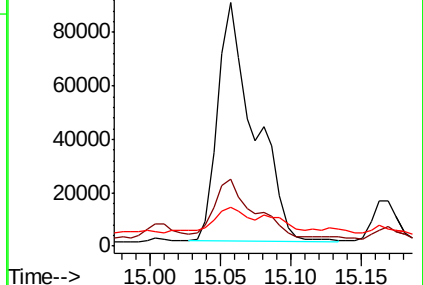
125 15.8 9.1 13.7#

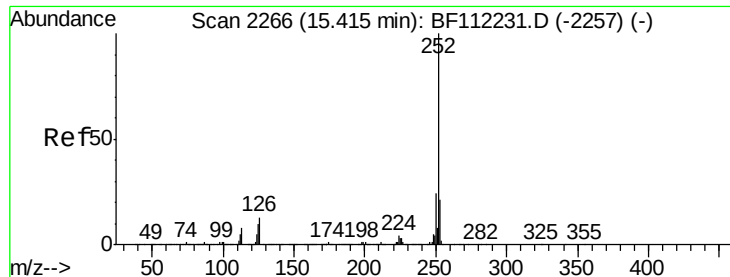


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.328 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

Instrument :

BNA_F

ClientSampleId :

COMP-11

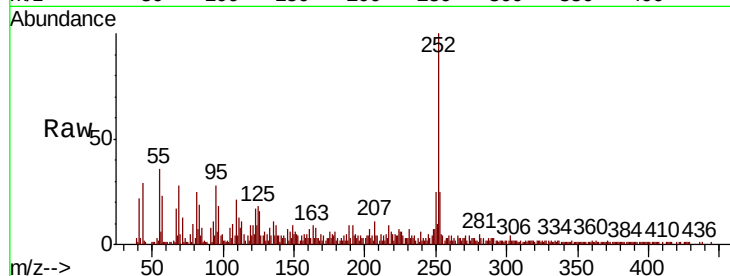
Tgt Ion:252 Resp: 77396

Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

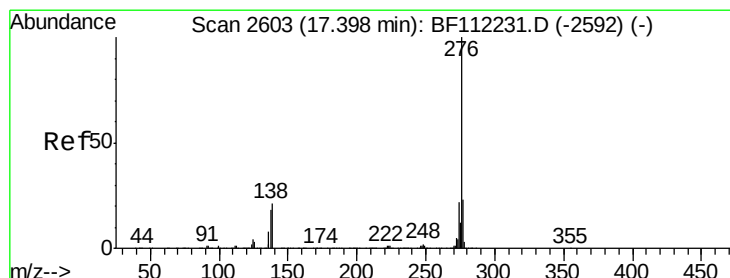
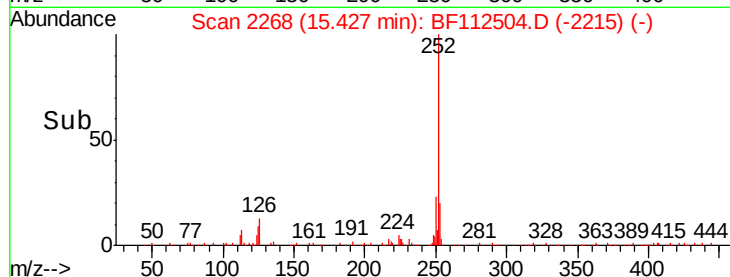
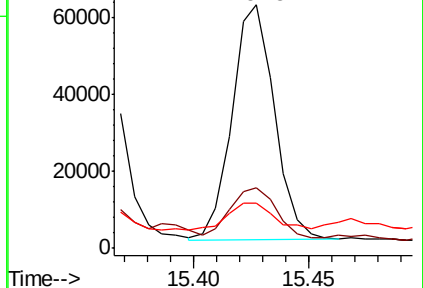
125 18.4 9.0 13.4#



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: 6.000 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.04 min

Lab File: BF112504.D

Acq: 12 Feb 2019 11:26

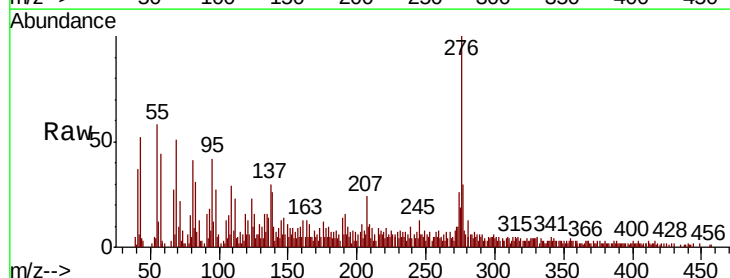
Tgt Ion:276 Resp: 48182

Ion Ratio Lower Upper

276 100

277 29.9 19.4 29.0#

138 25.8 19.1 28.7



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

