

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112505.D
 Acq On : 12 Feb 2019 11:54
 Operator : JU/SJ
 Sample : K1442-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-12

Quant Time: Feb 13 03:37:23 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	105399	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	370677	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	154792	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	276268	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	246817	20.00	ng	0.00
87) Perylene-d12	15.49	264	172983	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	530204	106.85	ng	-0.01
7) Phenol-d6	6.49	99	629352	91.27	ng	0.00
23) Nitrobenzene-d5	7.40	82	382206	59.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	151673	84.18	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	644546	58.89	ng	-0.02
79) Terphenyl-d14	12.94	244	610306	46.57	ng	-0.01

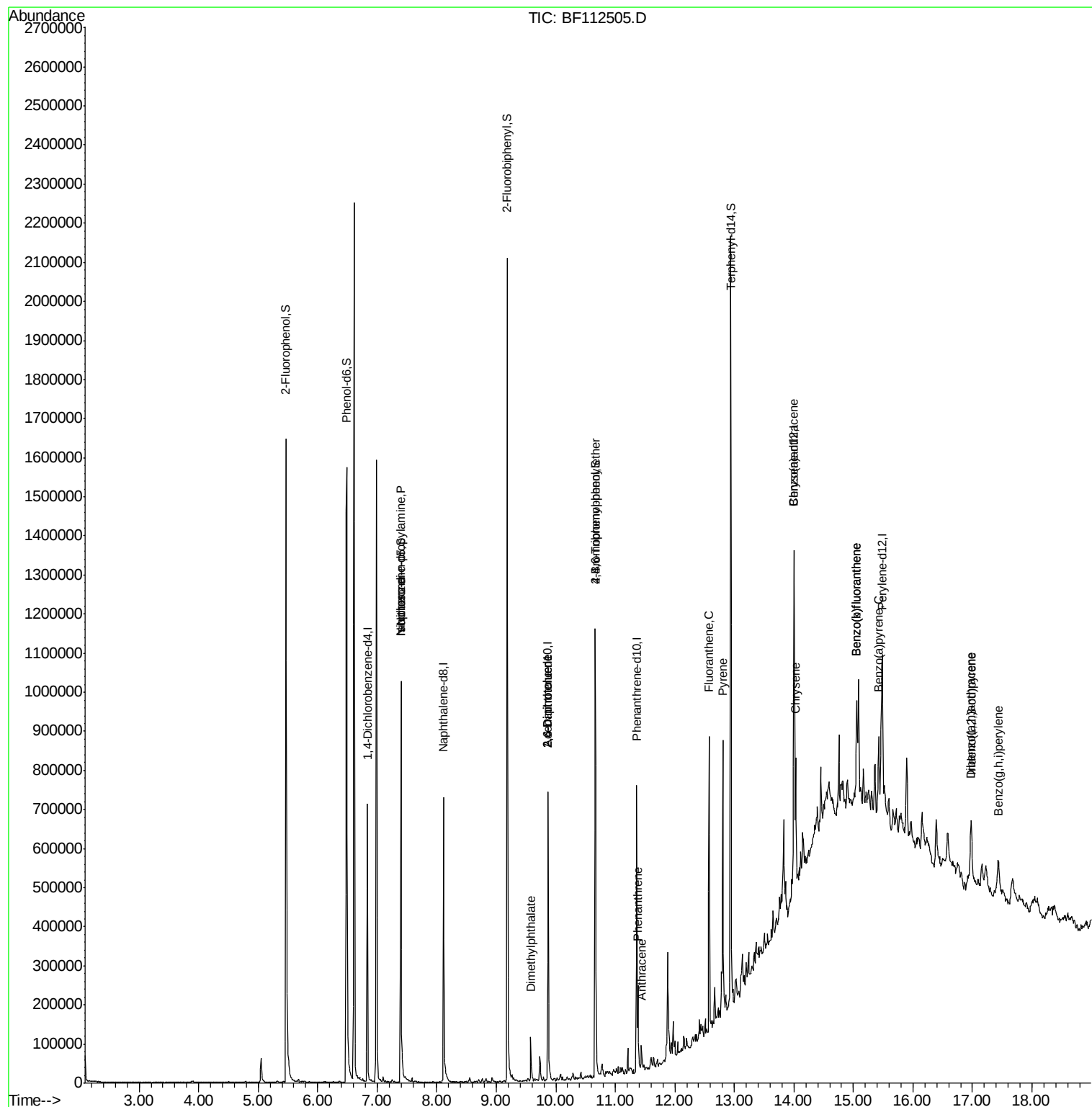
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	50891	10.704	ng	# 74
25) Isophorone	7.40	82	382201	37.871	ng	# 63
50) Dimethylphthalate	9.58	163	52730	4.384	ng	97
51) 2,6-Dinitrotoluene	9.87	165	19188	7.124	ng	# 33
57) 2,4-Dinitrotoluene	9.87	165	19188	5.596	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	9577	2.947	ng	# 1
71) Phenanthrene	11.38	178	83253	5.796	ng	98
72) Anthracene	11.44	178	33889	2.369	ng	96
75) Fluoranthene	12.57	202	285214	18.514	ng	97
78) Pyrene	12.80	202	280600	16.421	ng	98
81) Benzo(a)anthracene	14.00	228	144029	9.927	ng	98
83) Chrysene	14.03	228	121545	8.776	ng	99
86) Indeno(1,2,3-cd)pyrene	16.98	276	57807	5.267	ng	# 92
88) Benzo(b)fluoranthene	15.06	252	190444	18.409	ng	# 91
89) Benzo(k)fluoranthene	15.06	252	190444	19.219	ng	# 91
90) Benzo(a)pyrene	15.43	252	98121	10.541	ng	# 92
91) Dibenzo(a,h)anthracene	16.97	278	15151	2.020	ng	# 62
92) Benzo(g,h,i)perylene	17.44	276	55615	7.858	ng	94

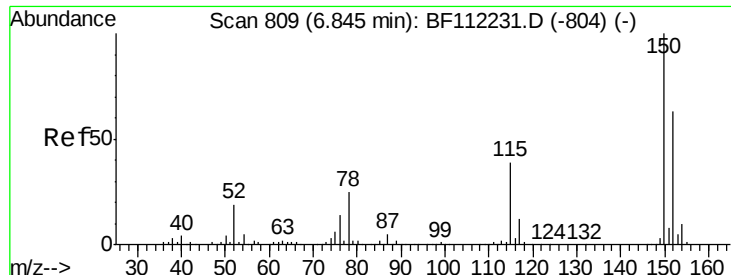
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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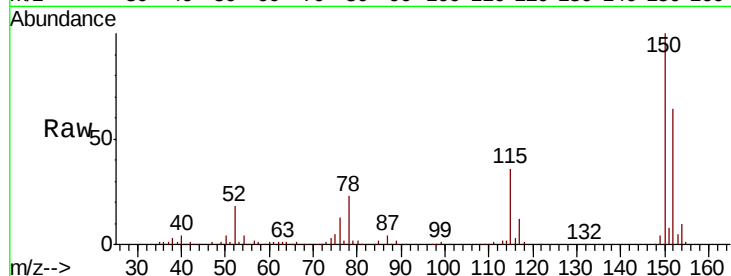




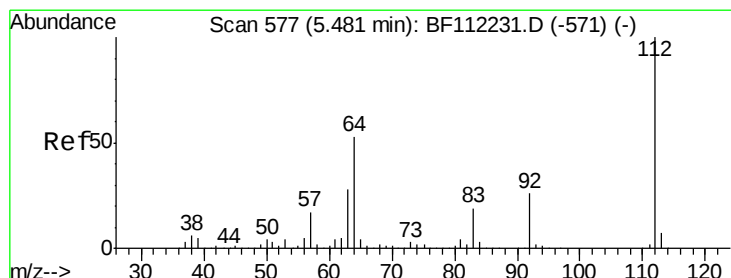
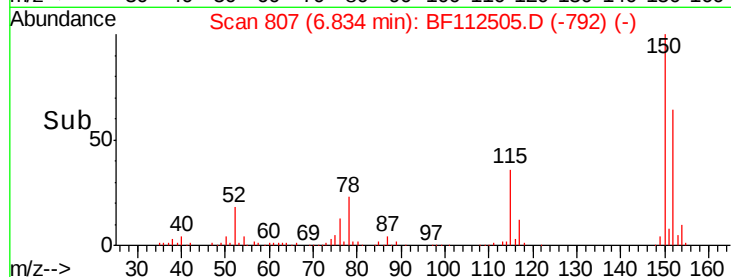
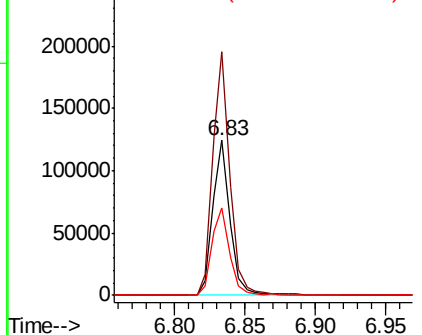
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112505.D
 Acq: 12 Feb 2019 11:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-12

Tgt Ion:152 Resp: 105399
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.4 191.0
 115 56.0 45.5 68.3

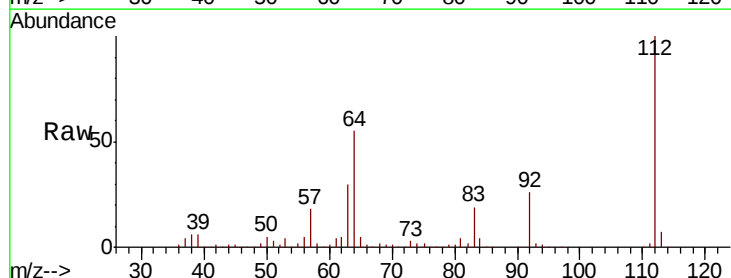


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

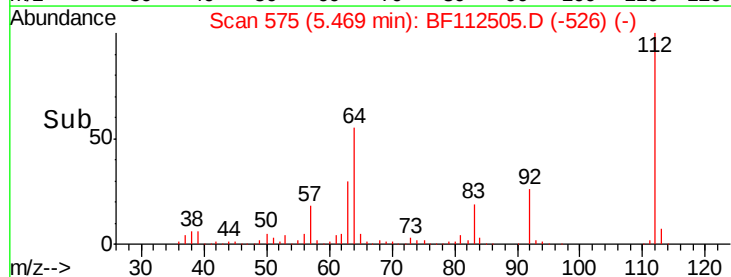
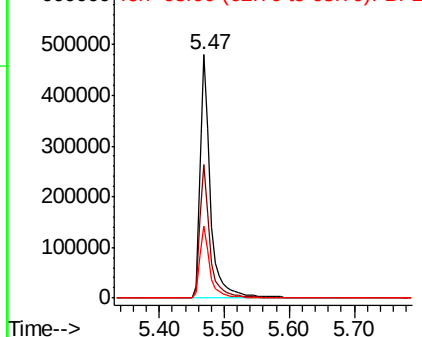


#5
 2-Fluorophenol
 Concen: 106.850 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112505.D
 Acq: 12 Feb 2019 11:54

Tgt Ion:112 Resp: 530204
 Ion Ratio Lower Upper
 112 100
 64 55.1 45.7 68.5
 63 29.6 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: 91.275 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

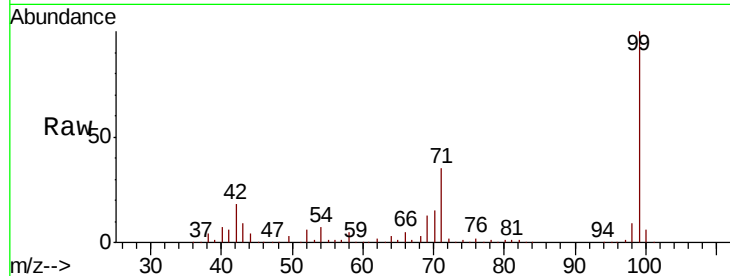
Tgt Ion: 99 Resp: 629352

Ion Ratio Lower Upper

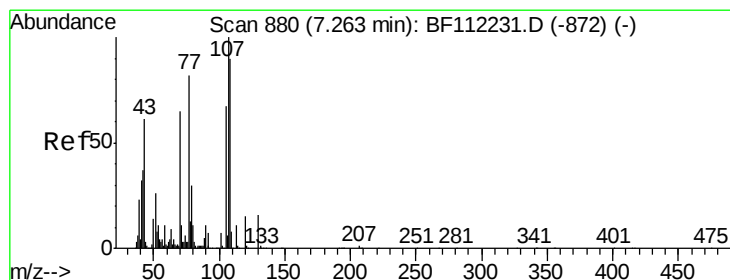
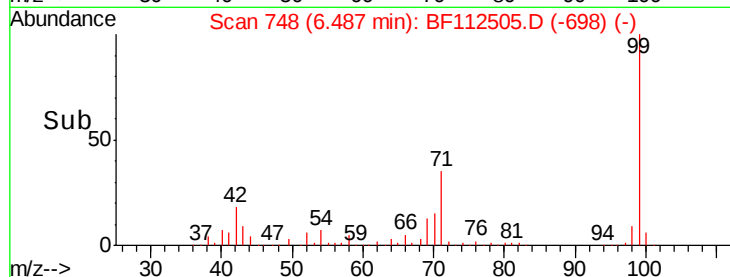
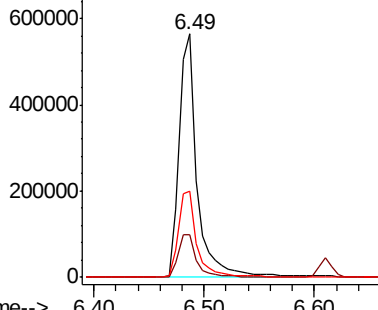
99 100

42 17.7 15.1 22.7

71 35.3 26.9 40.3



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: 10.704 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Tgt Ion: 70 Resp: 50891

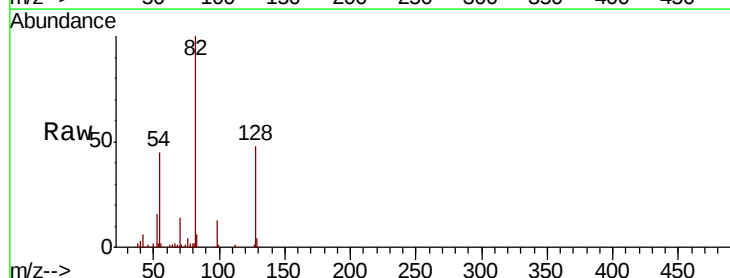
Ion Ratio Lower Upper

70 100

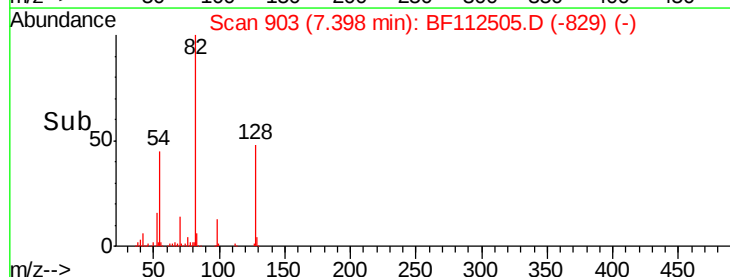
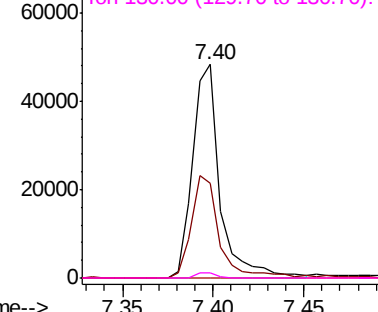
42 44.5 47.6 71.4#

101 0.0 7.9 11.9#

130 2.6 18.4 27.6#



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

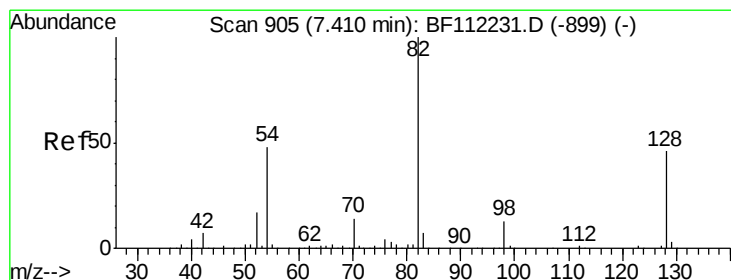
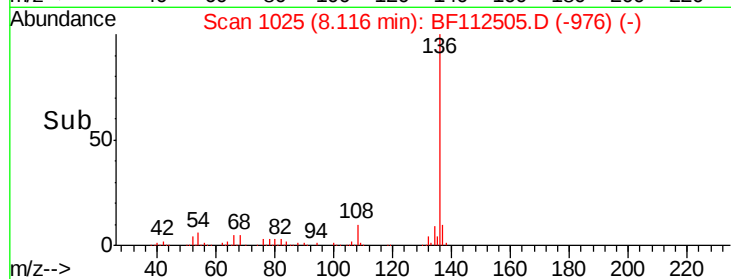
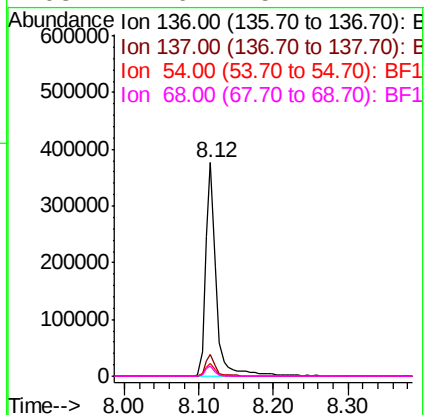
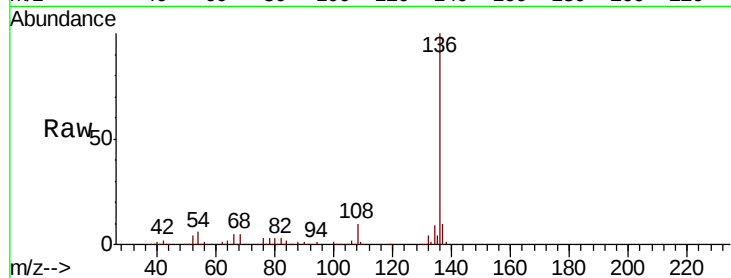




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

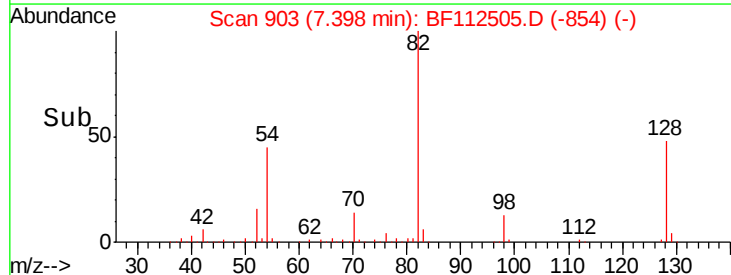
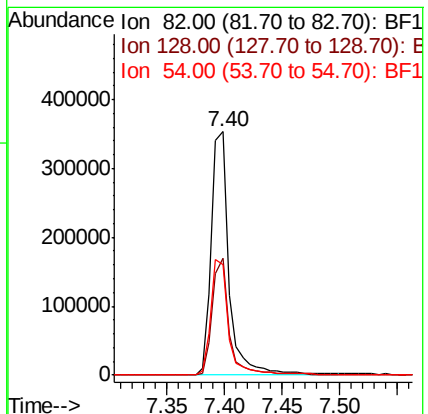
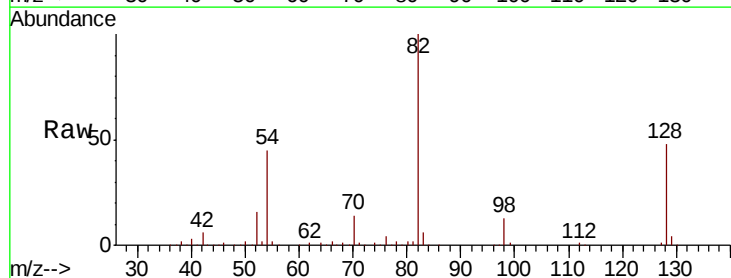
Instrument :
BNA_F
ClientSampleId :
COMP-12

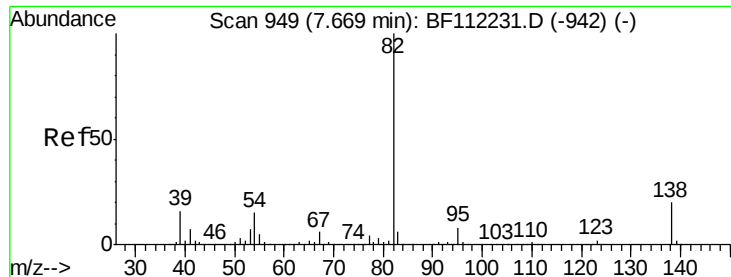
Tgt Ion: 136 Resp: 370677
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 6.1 5.9 8.9
68 4.6 5.1 7.7#



#23
Nitrobenzene-d5
Concen: 59.412 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

Tgt Ion: 82 Resp: 382206
Ion Ratio Lower Upper
82 100
128 48.0 37.8 56.8
54 45.4 39.7 59.5





#25

Isophorone

Concen: 37.871 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

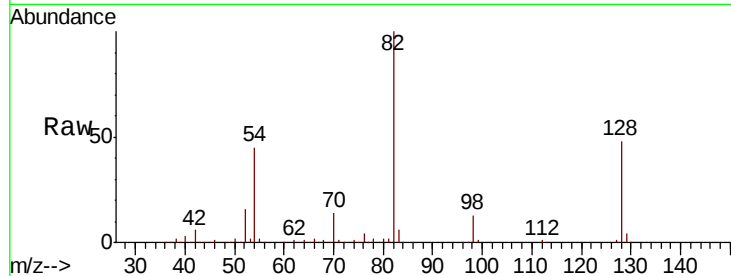
Tgt Ion: 82 Resp: 382201

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

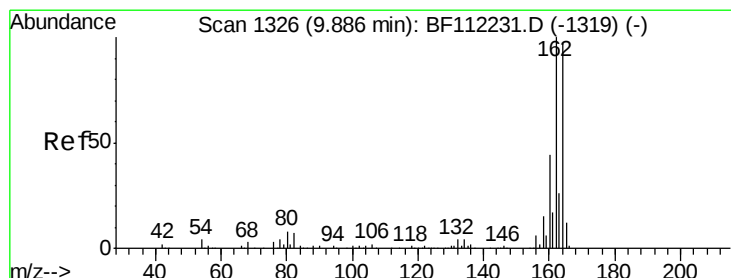
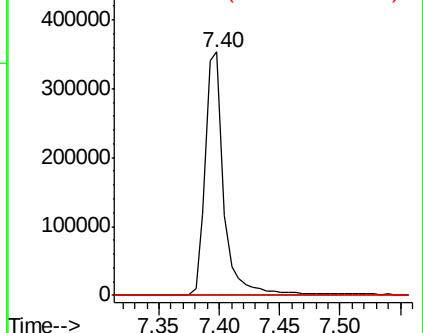
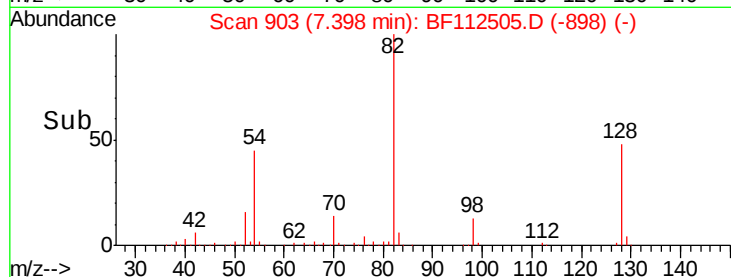
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

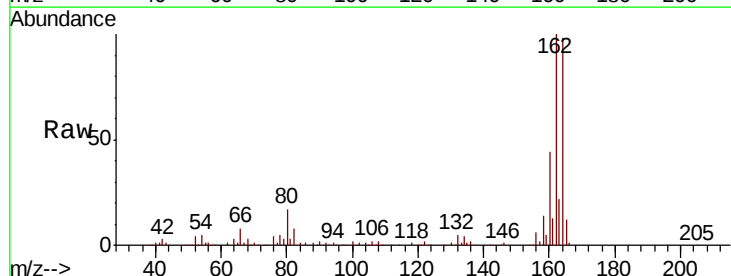
Tgt Ion: 164 Resp: 154792

Ion Ratio Lower Upper

164 100

162 101.9 82.2 123.4

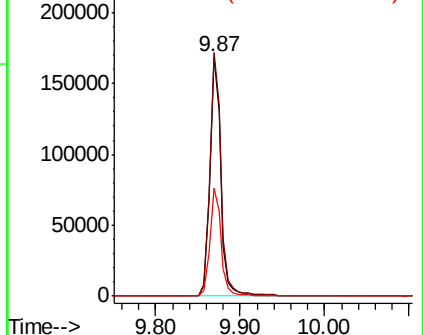
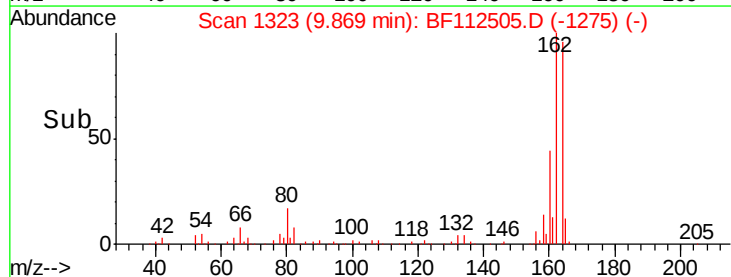
160 45.0 36.2 54.4

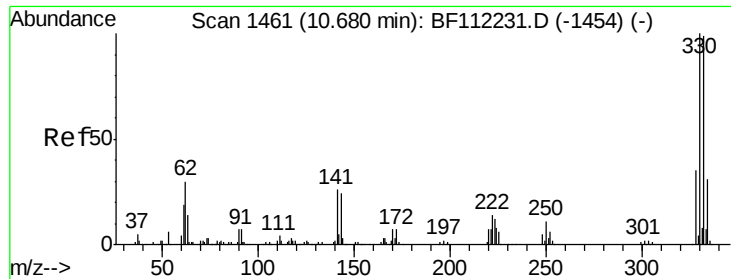


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

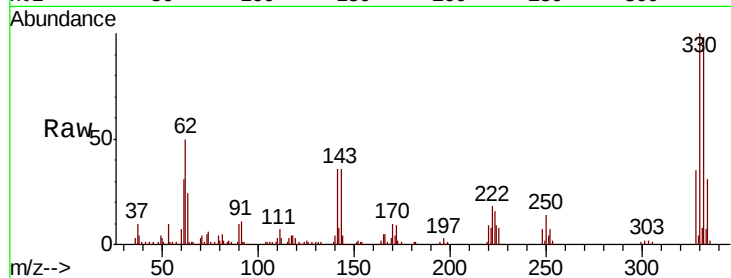




#42
 2,4,6-Tribromophenol
 Concen: 84.182 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112505.D
 Acq: 12 Feb 2019 11:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	114.8
141	34.3	24.3	36.5

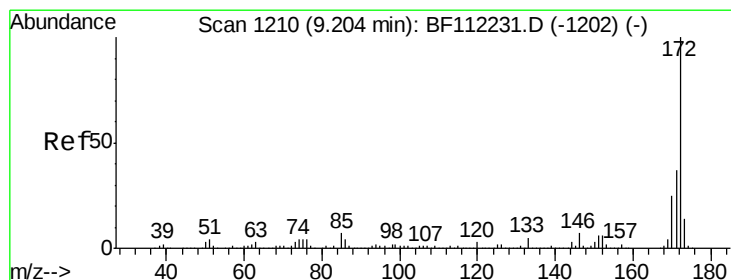
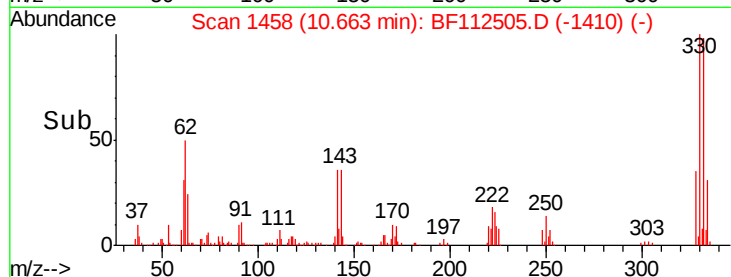
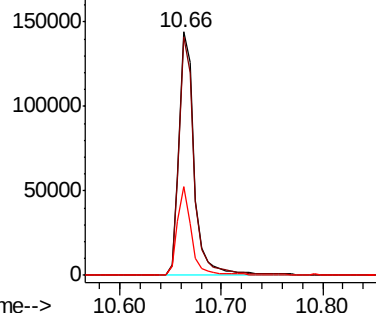


Abundance

Ion 329.80 (329.50 to 330.50): E

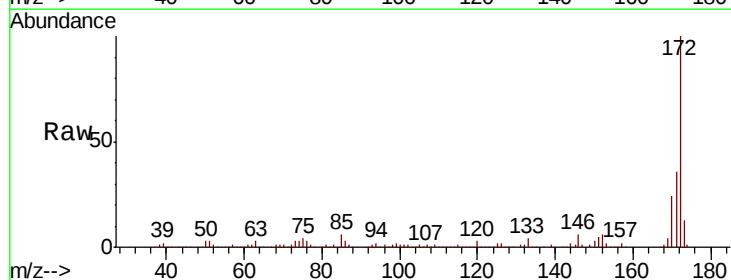
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 58.892 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112505.D
 Acq: 12 Feb 2019 11:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.5	45.7
170	23.6	20.2	30.4

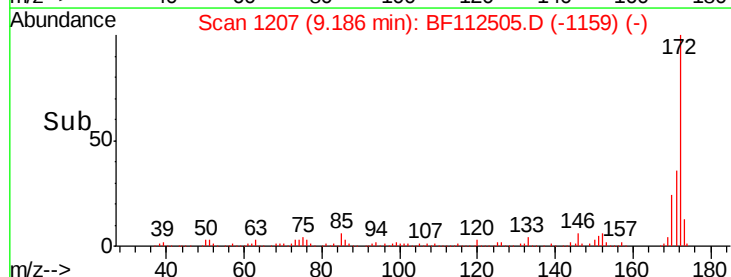
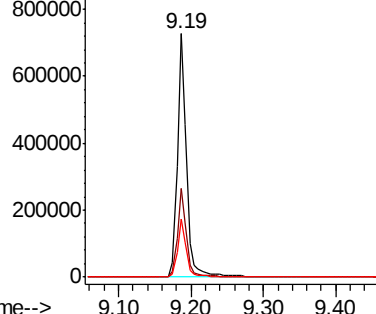


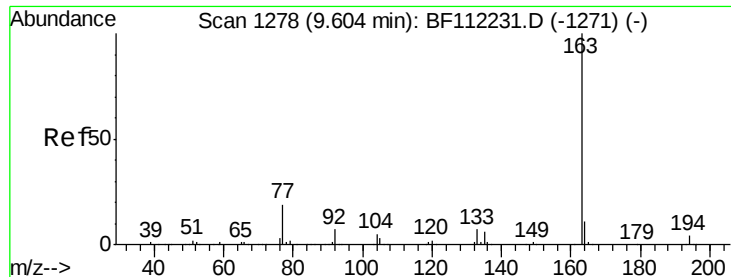
Abundance

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

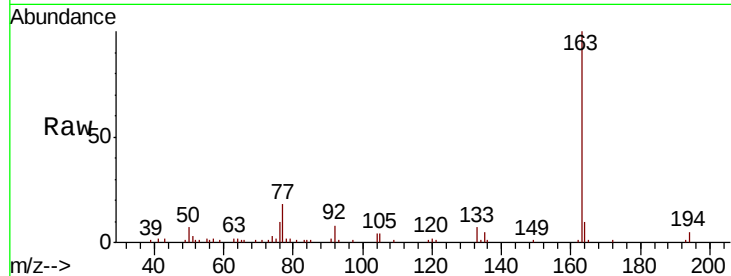




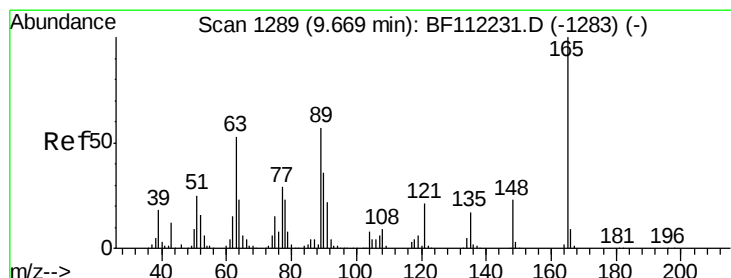
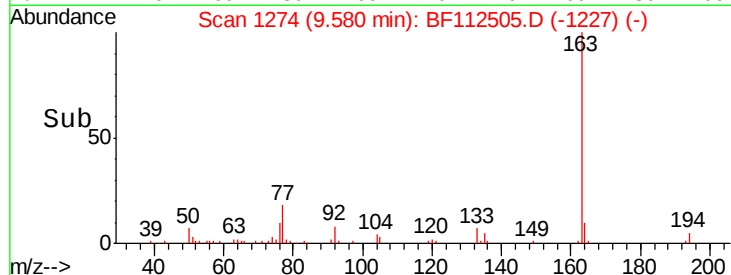
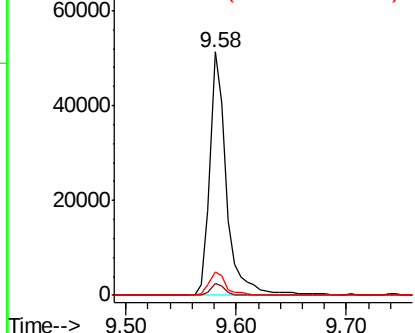
#50
Dimethylphthalate
Concen: 4.384 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

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COMP-12

Tgt Ion:163 Resp: 52730
Ion Ratio Lower Upper
163 100
194 4.8 3.3 4.9
164 9.6 8.5 12.7

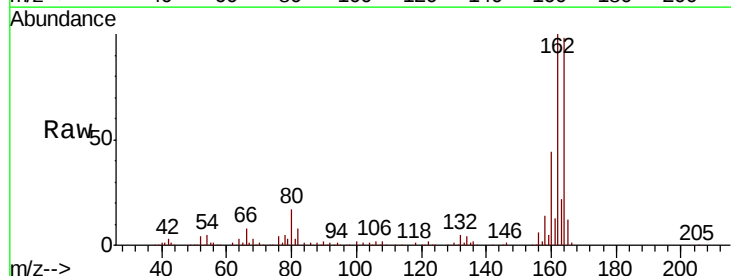


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

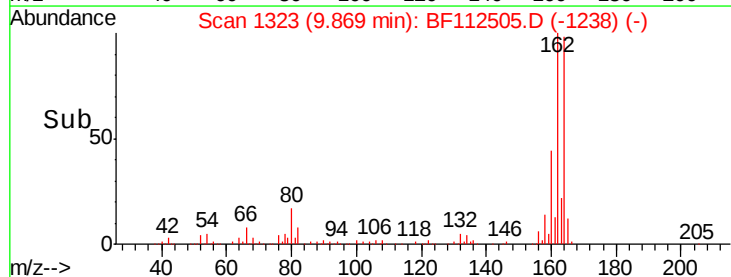
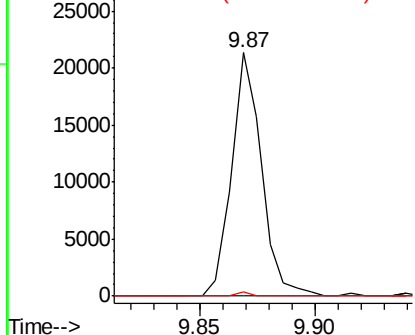


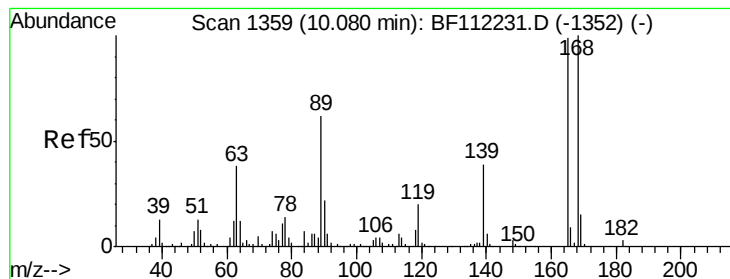
#51
2,6-Dinitrotoluene
Concen: 7.124 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

Tgt Ion:165 Resp: 19188
Ion Ratio Lower Upper
165 100
63 0.0 33.8 50.8#
89 1.6 36.9 55.3#



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





#57

2,4-Dinitrotoluene

Concen: 5.596 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

Tgt Ion:165 Resp: 19188

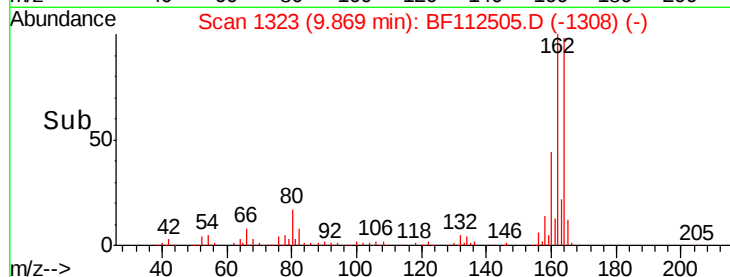
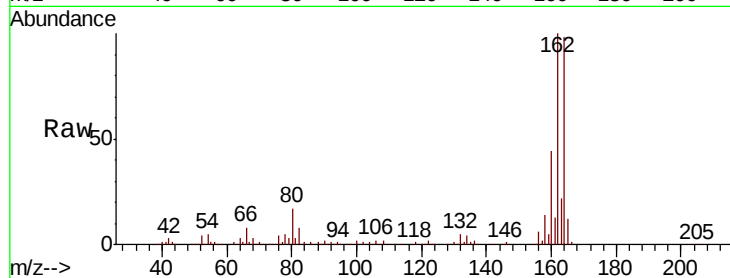
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

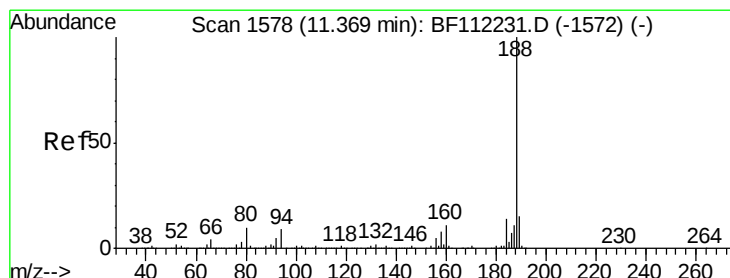
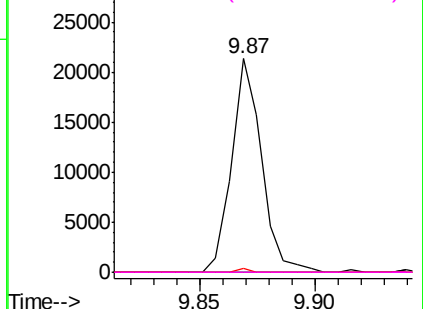


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF112505.D

Acq: 12 Feb 2019 11:54

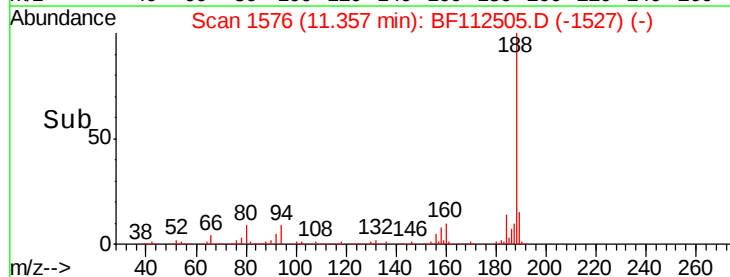
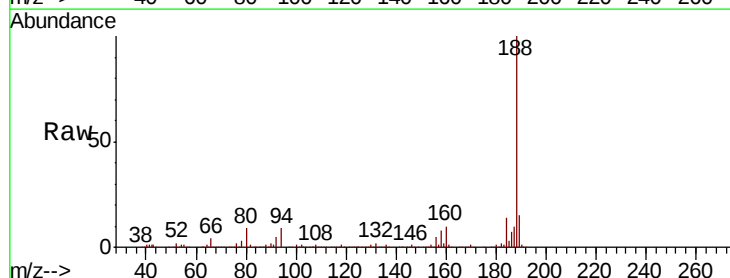
Tgt Ion:188 Resp: 276268

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

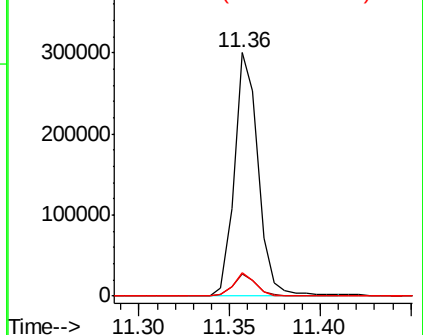
80 9.4 8.9 13.3

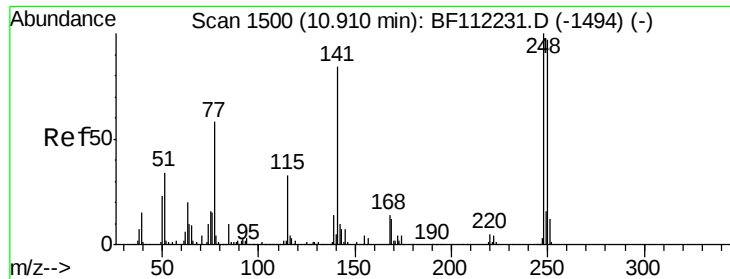


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

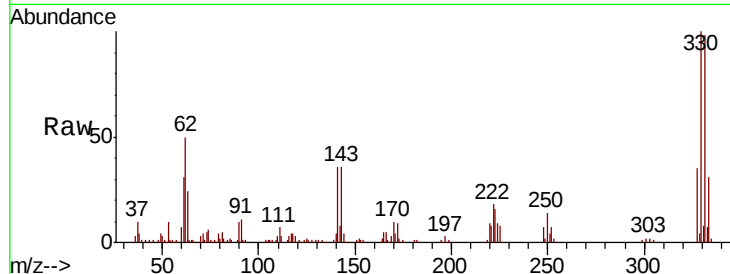




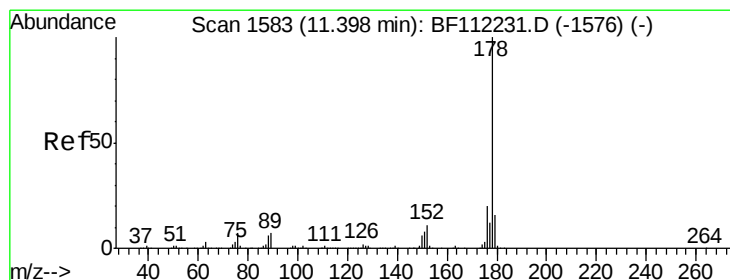
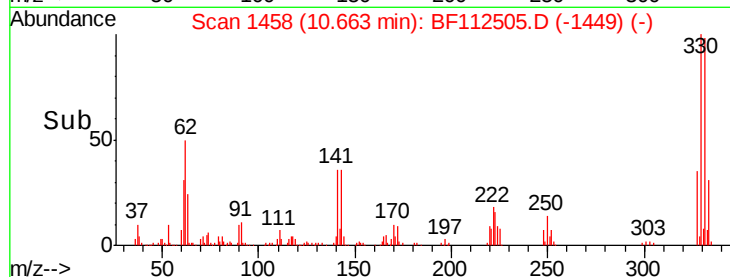
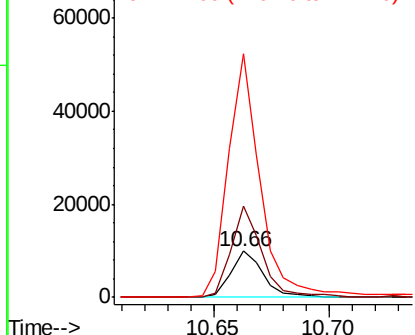
#67
 4-Bromophenyl-phenylether
 Concen: 2.947 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112505.D
 Acq: 12 Feb 2019 11:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-12

Tgt Ion: 248 Resp: 9577
 Ion Ratio Lower Upper
 248 100
 250 197.0 79.7 119.5#
 141 528.9 60.3 90.5#

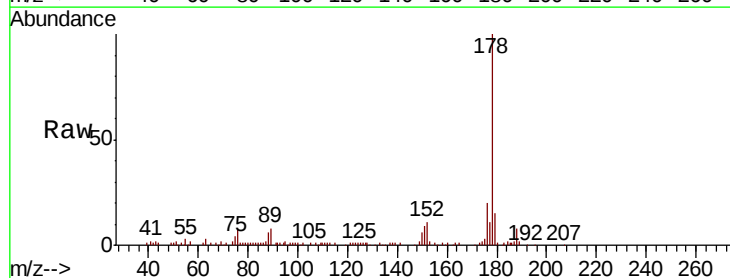


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

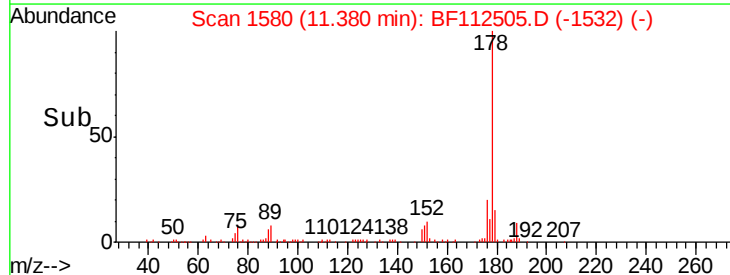
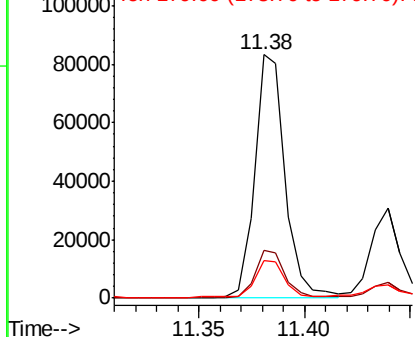


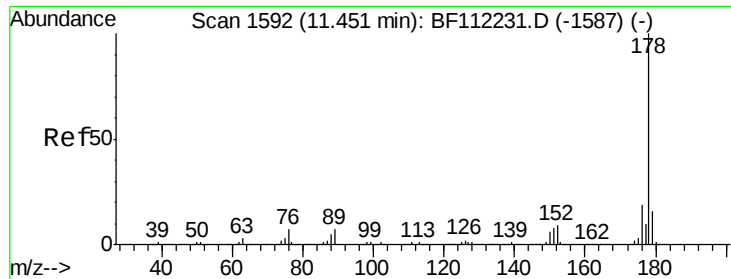
#71
 Phenanthrene
 Concen: 5.796 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112505.D
 Acq: 12 Feb 2019 11:54

Tgt Ion: 178 Resp: 83253
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.3 24.5
 179 15.2 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





#72

Anthracene

Concen: 2.369 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

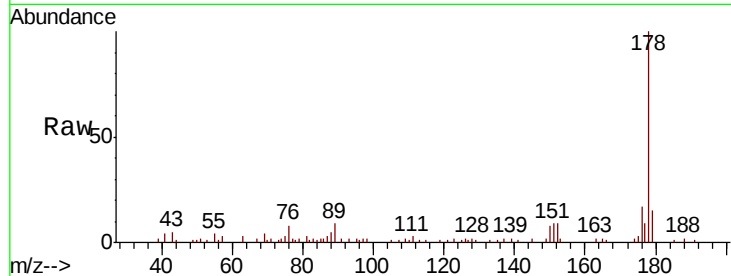
Tgt Ion:178 Resp: 33889

Ion Ratio Lower Upper

178 100

176 17.3 15.5 23.3

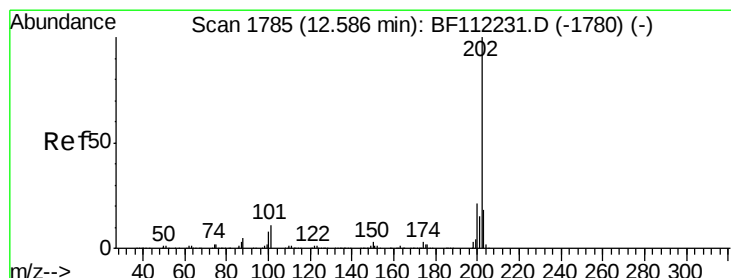
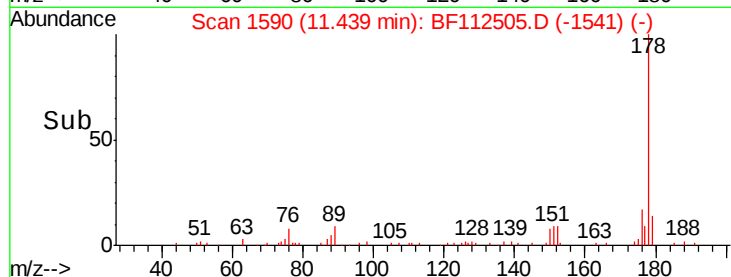
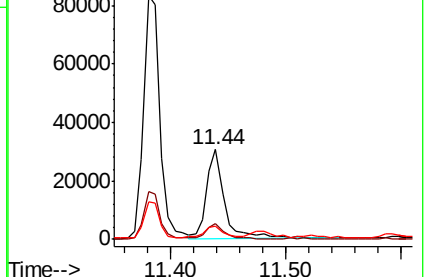
179 14.9 12.8 19.2



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: 18.514 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

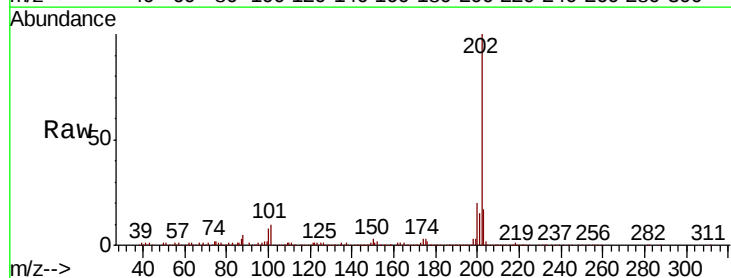
Tgt Ion:202 Resp: 285214

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.8

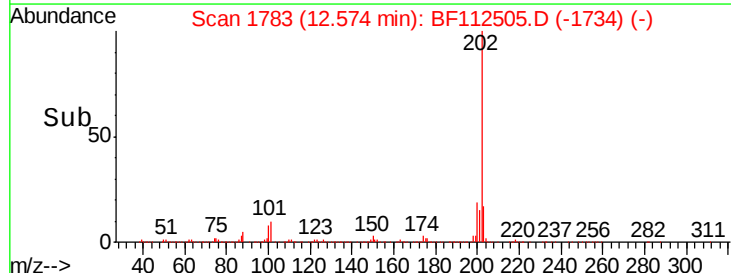
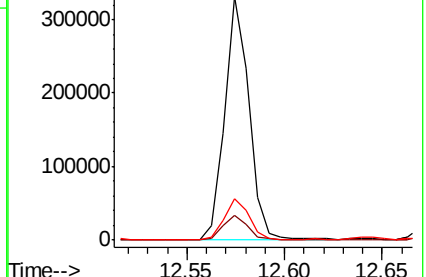
203 17.1 0.0 38.4

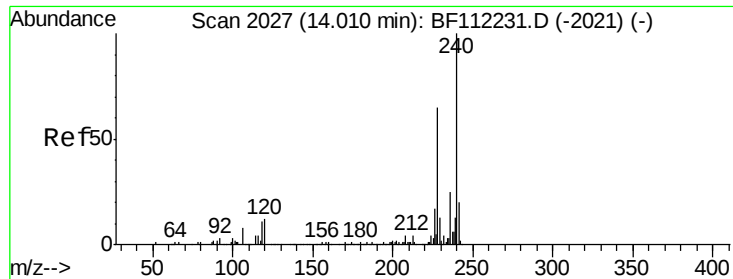


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

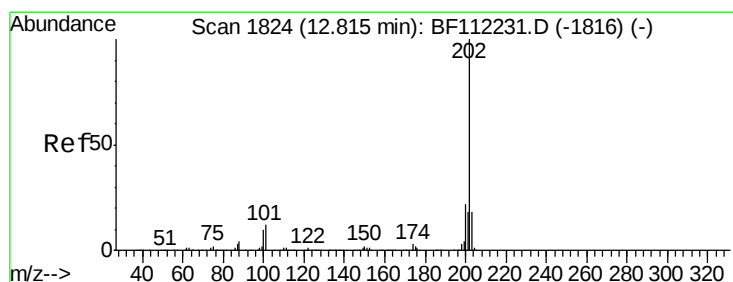
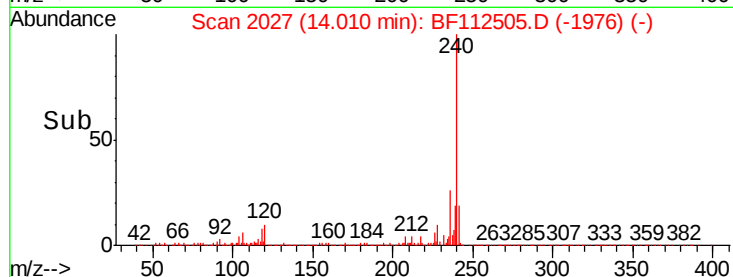
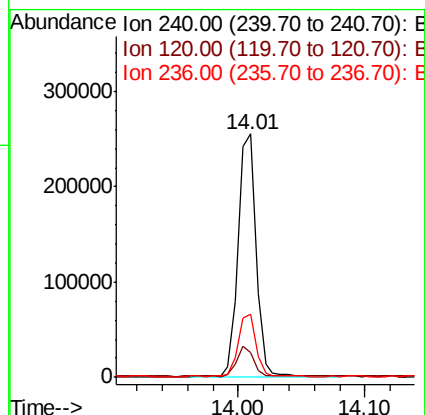
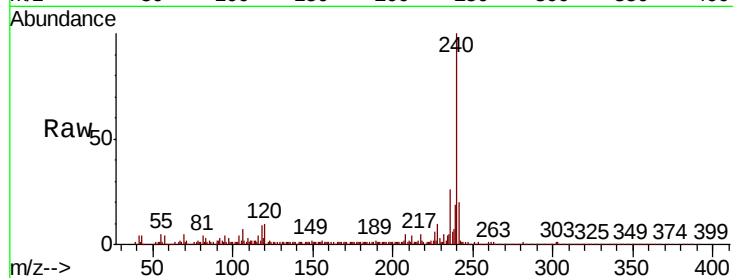




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

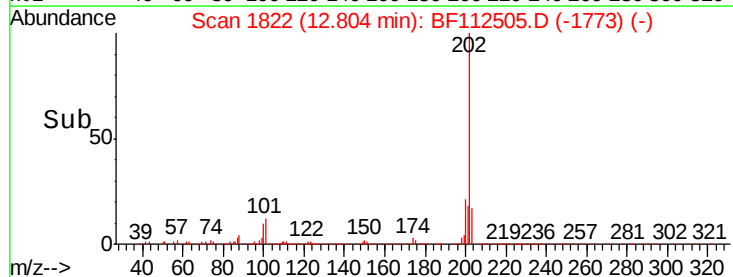
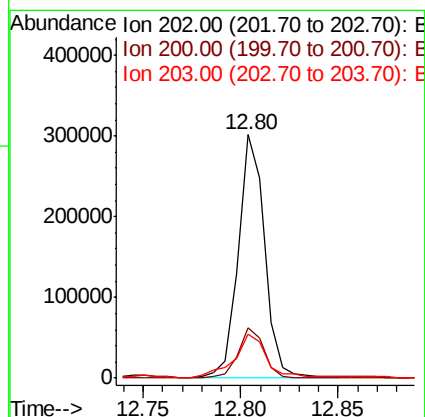
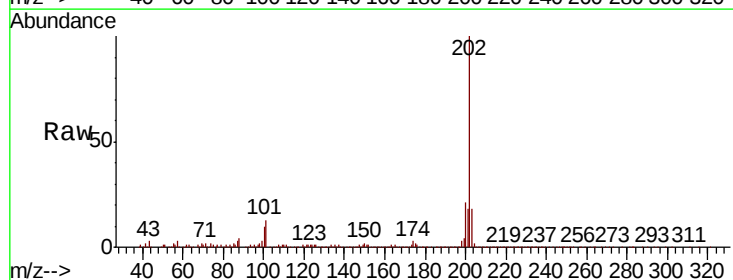
Instrument :
BNA_F
ClientSampleId :
COMP-12

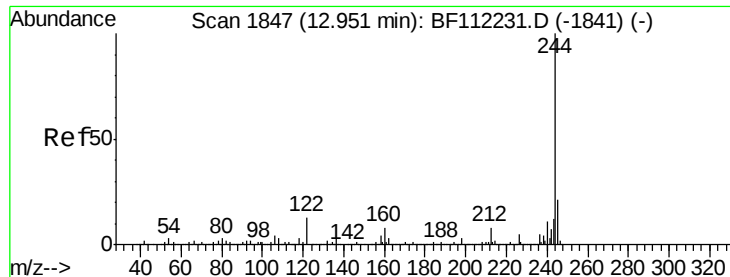
Tgt Ion:240 Resp: 246817
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.6
236 26.1 20.7 31.1



#78
Pyrene
Concen: 16.421 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

Tgt Ion:202 Resp: 280600
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.9 14.6 22.0





#79

Terphenyl-d14

Concen: 46.572 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

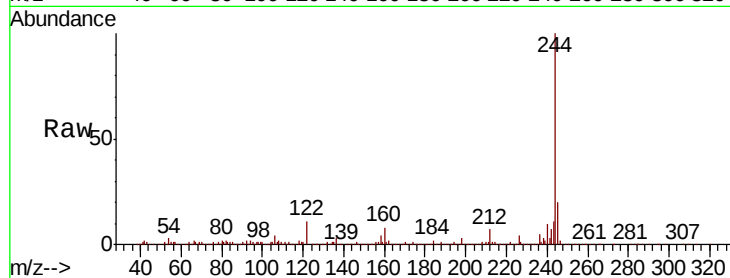
Tgt Ion:244 Resp: 610306

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

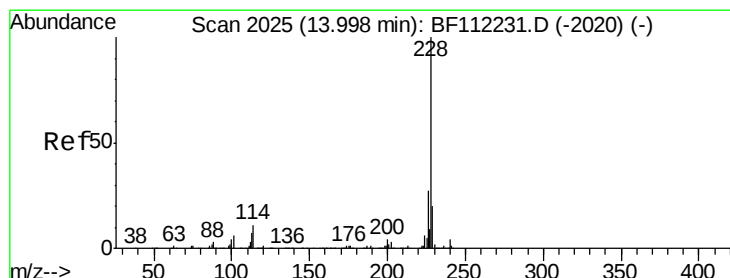
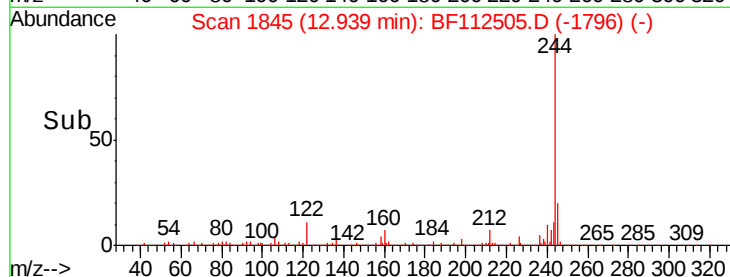
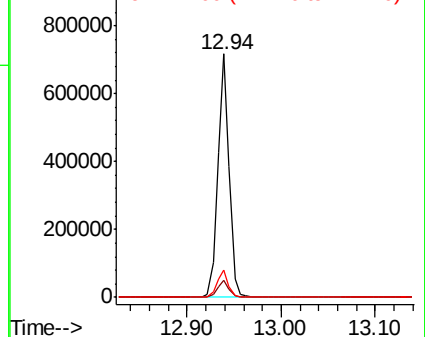
122 11.0 9.8 14.6



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: 9.927 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

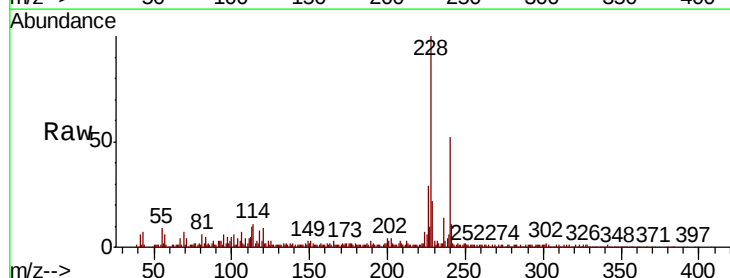
Tgt Ion:228 Resp: 144029

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

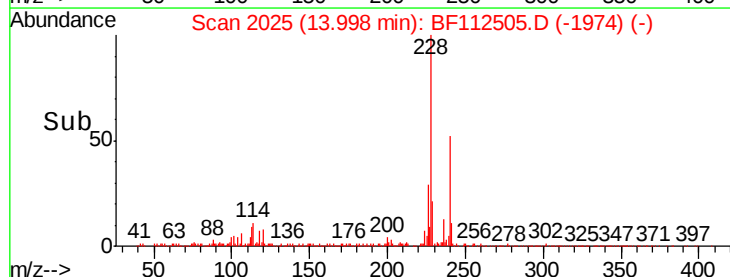
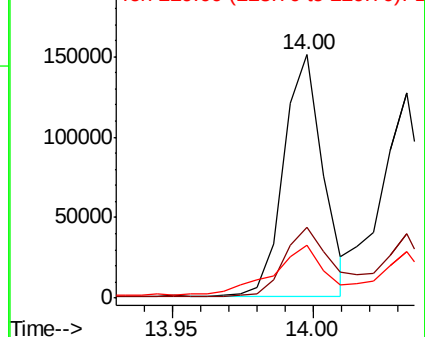
229 21.6 16.5 24.7

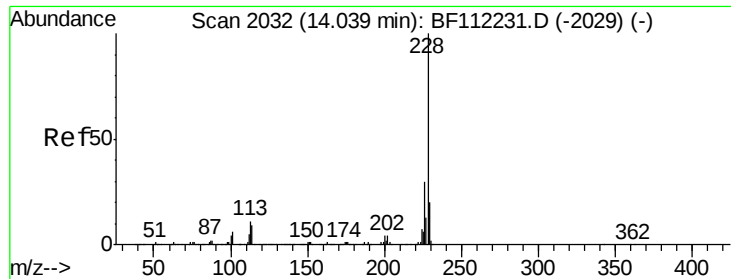


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.776 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

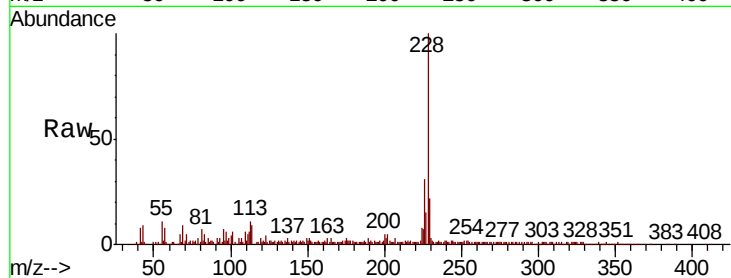
Tgt Ion:228 Resp: 121545

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

229 22.3 16.6 24.8

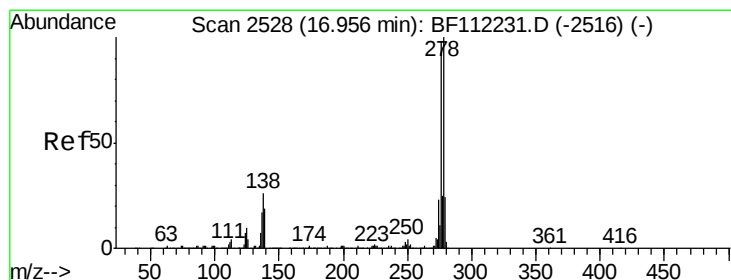
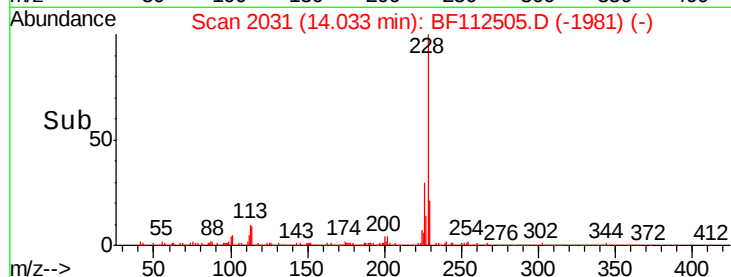
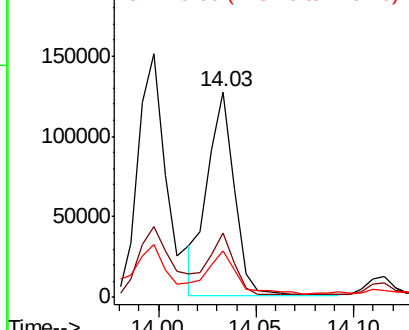


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.267 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

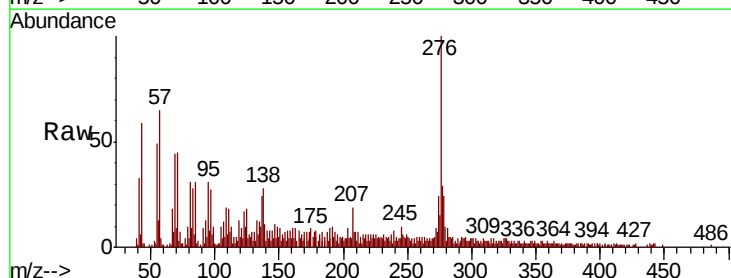
Tgt Ion:276 Resp: 57807

Ion Ratio Lower Upper

276 100

138 21.7 22.6 34.0#

277 23.7 20.3 30.5

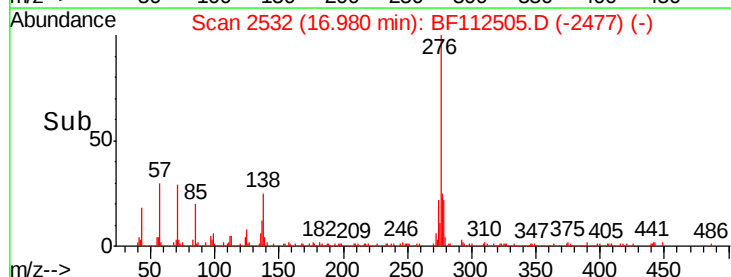
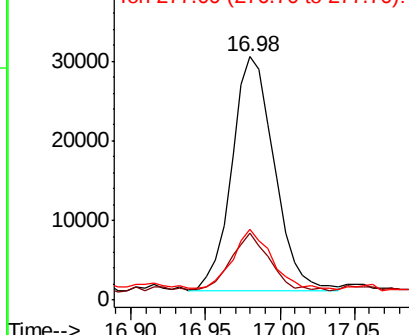


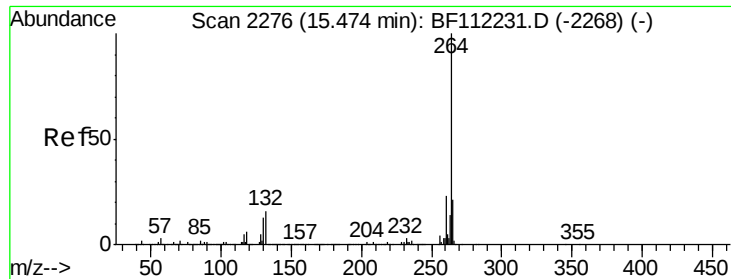
Abundance

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

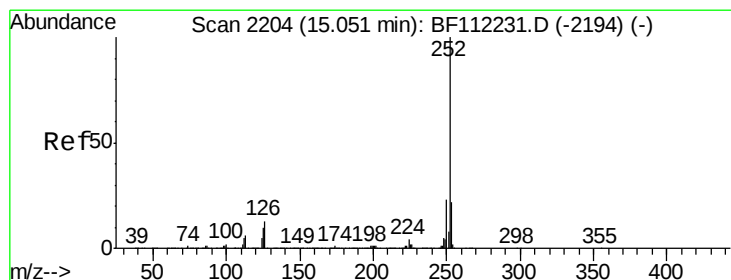
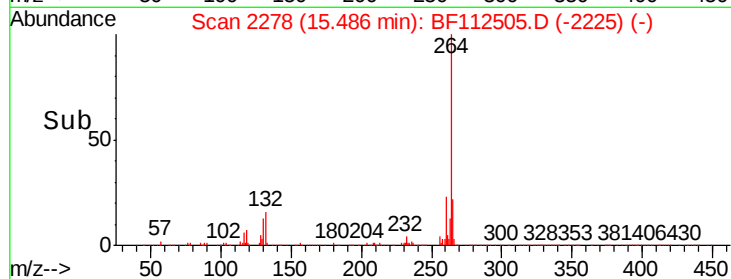
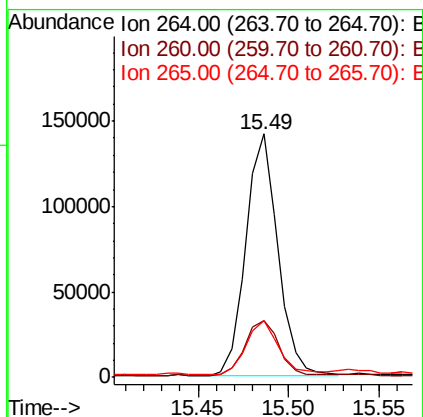
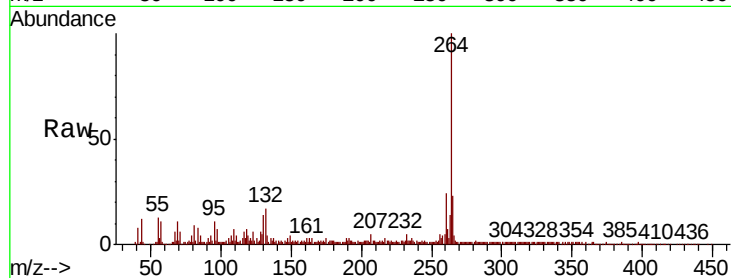




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

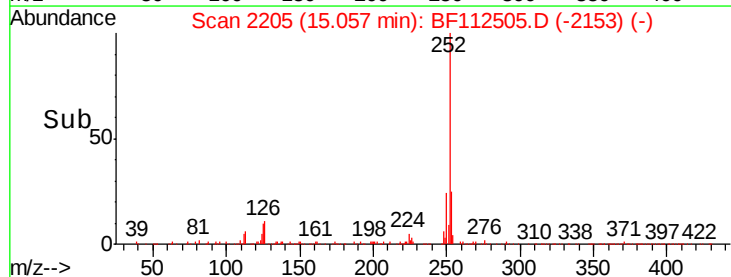
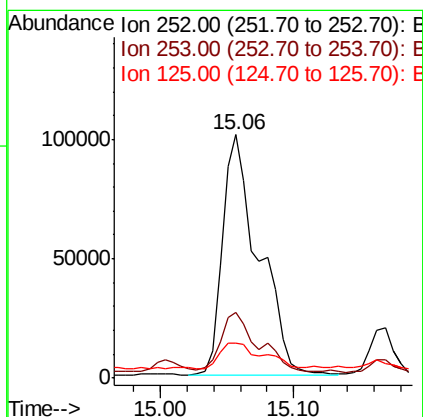
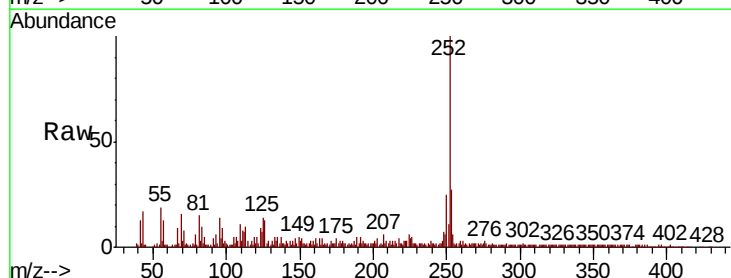
Instrument :
BNA_F
ClientSampleId :
COMP-12

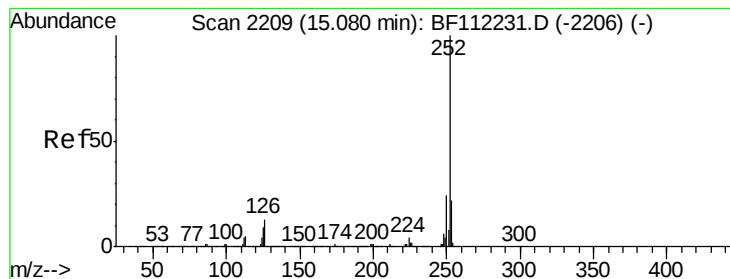
Tgt Ion:264 Resp: 172983
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.2
265 23.1 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 18.409 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF112505.D
Acq: 12 Feb 2019 11:54

Tgt Ion:252 Resp: 190444
Ion Ratio Lower Upper
252 100
253 27.2 18.0 27.0#
125 14.2 8.7 13.1#





#89

Benzo(k)fluoranthene

Concen: 19.219 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

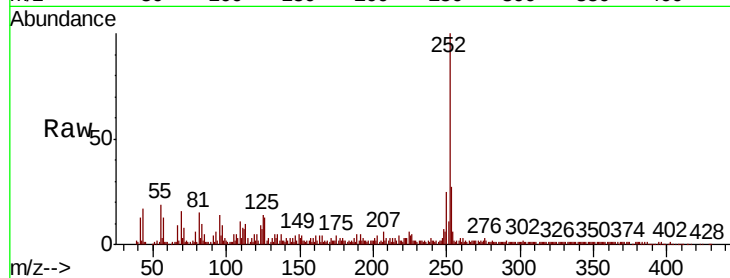
Tgt Ion:252 Resp: 190444

Ion Ratio Lower Upper

252 100

253 27.2 18.0 27.0#

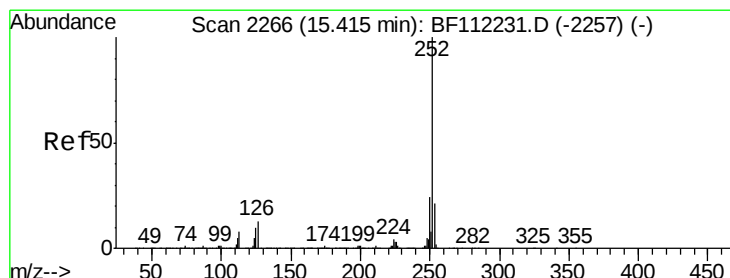
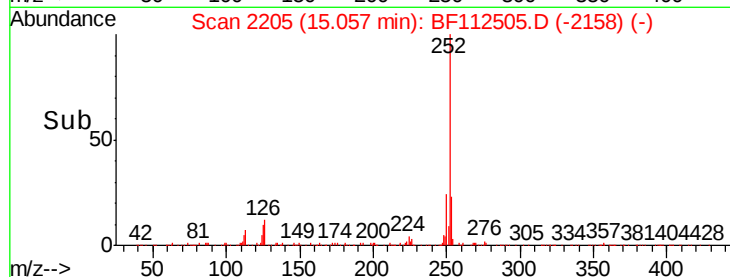
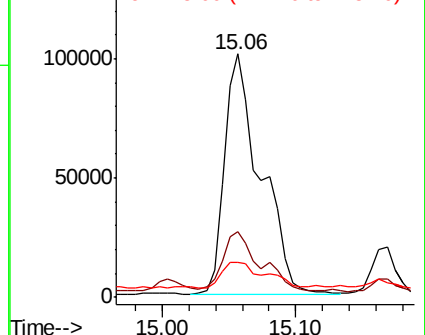
125 14.2 9.1 13.7#



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: 10.541 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

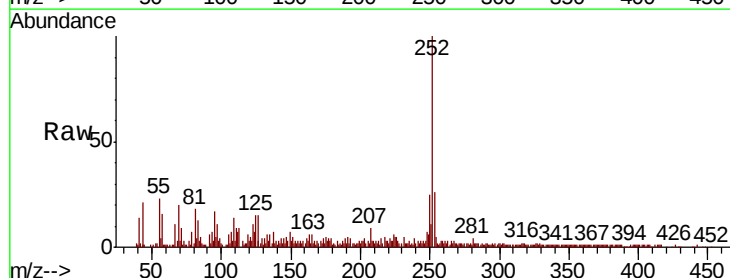
Tgt Ion:252 Resp: 98121

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

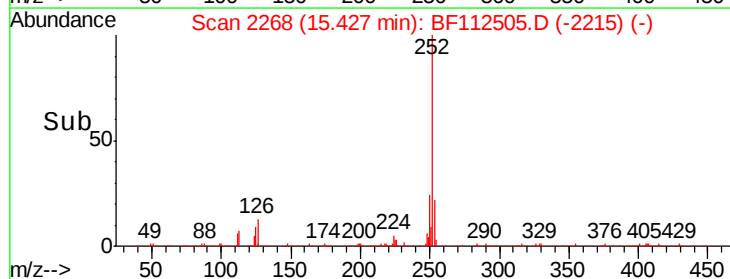
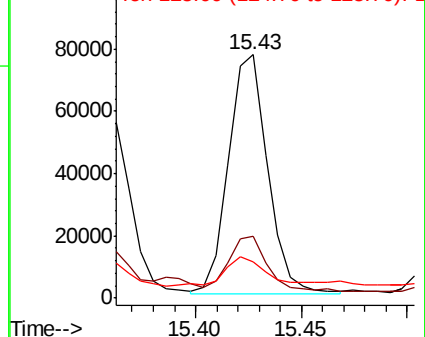
125 14.7 9.0 13.4#

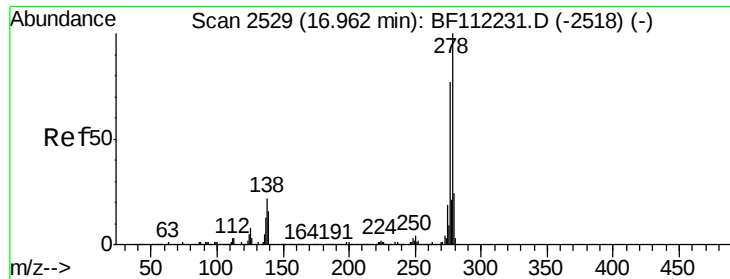


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.020 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.01 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

Instrument :

BNA_F

ClientSampleId :

COMP-12

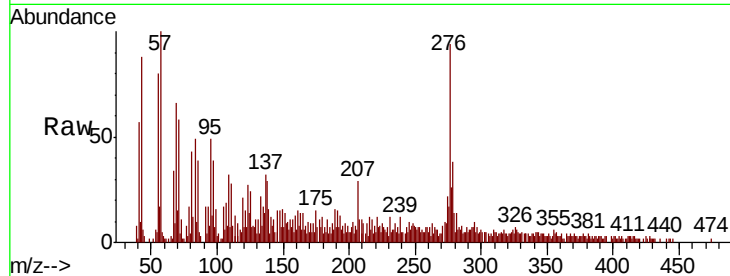
Tgt Ion: 278 Resp: 15151

Ion Ratio Lower Upper

278 100

139 41.6 13.7 20.5#

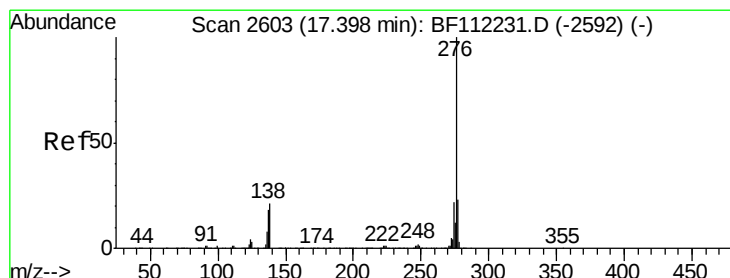
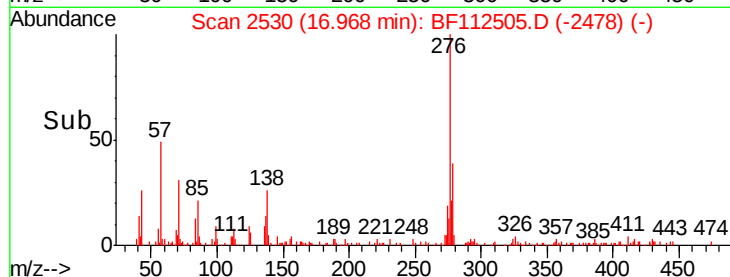
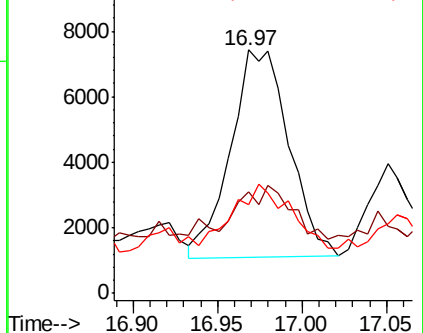
279 36.2 19.0 28.6#



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: 7.858 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.04 min

Lab File: BF112505.D

Acq: 12 Feb 2019 11:54

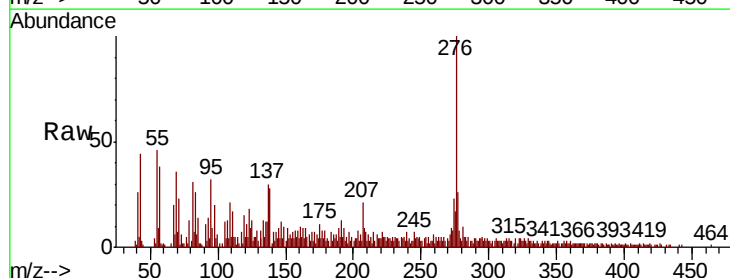
Tgt Ion: 276 Resp: 55615

Ion Ratio Lower Upper

276 100

277 26.0 19.4 29.0

138 28.2 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

