

Data Path : Z:\HPCHEM1\BNA_F\Data\BF110717\
 Data File : BF100278.D
 Acq On : 7 Nov 2017 12:29
 Operator : SJ/JU
 Sample : I6257-01DL 200X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

Quant Time: Nov 07 14:09:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 07 14:09:40 2017
 Response via : Initial Calibration

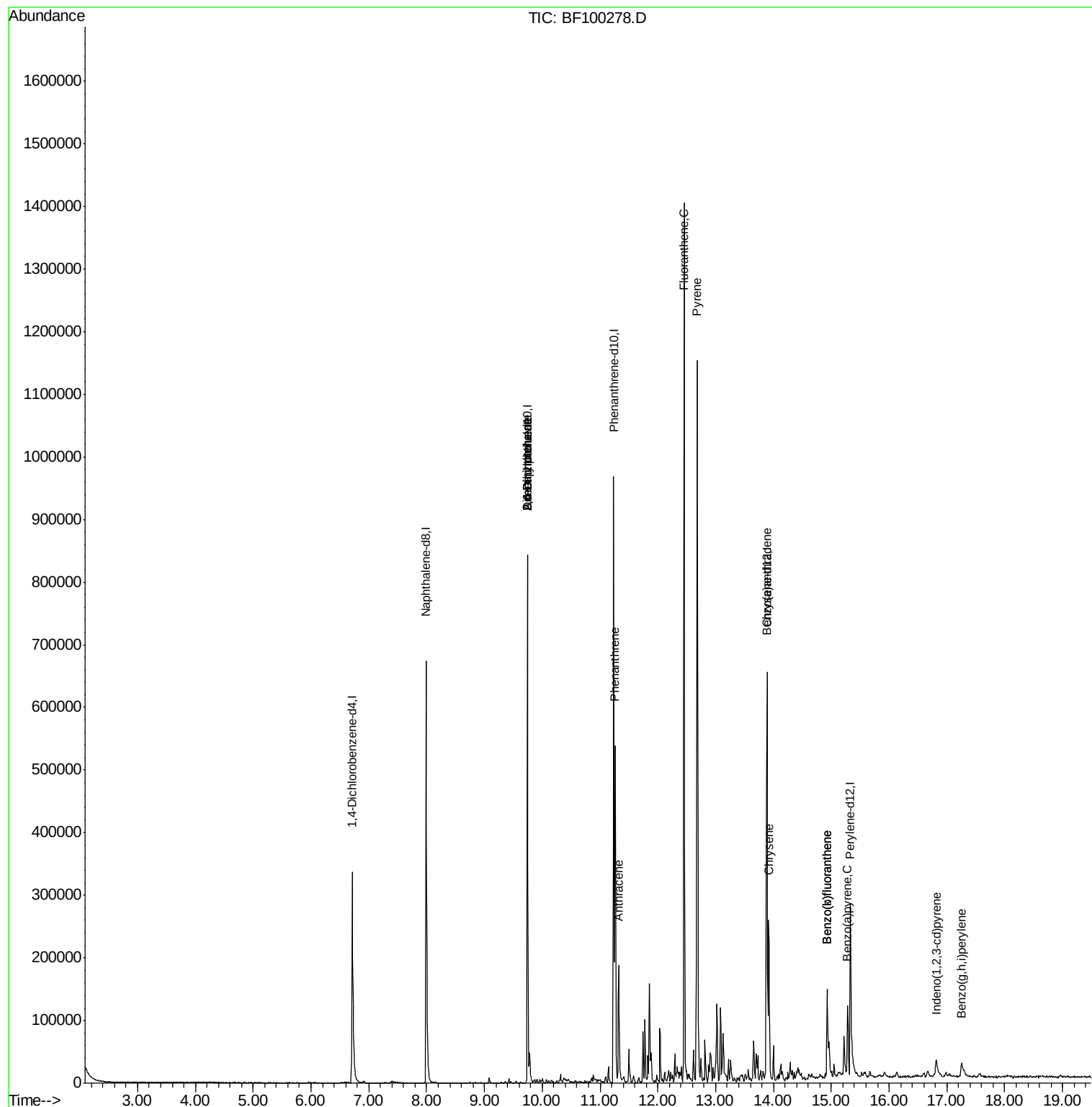
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	89579	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	379956	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	180726	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	319833	20.00	ng	0.00
75) Chrysene-d12	13.89	240	192043	20.00	ng	0.00
86) Perylene-d12	15.33	264	152953	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	258	0.05	ng	0.25
7) Phenol-d6	6.55	99	2747	0.41	ng	0.18
23) Nitrobenzene-d5	7.40	82	1653	0.28	ng	0.11
41) 2,4,6-Tribromophenol	10.57	330	307	0.19	ng	0.03
44) 2-Fluorobiphenyl	9.08	172	5730	0.49	ng	0.01
78) Terphenyl-d14	12.82	244	5290	0.60	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	45260	3.162	ng	# 1
50) 2,6-Dinitrotoluene	9.75	165	22875	7.603	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	22875	6.313	ng	# 22
70) Phenanthrene	11.26	178	254926	14.124	ng	97
71) Anthracene	11.32	178	91616	5.000	ng	99
74) Fluoranthene	12.45	202	594306	31.683	ng	99
77) Pyrene	12.68	202	481556	32.977	ng	98
80) Benzo(a)anthracene	13.87	228	138216	11.353	ng	98
82) Chrysene	13.92	228	111801	9.768	ng	99
85) Indeno(1,2,3-cd)pyrene	16.82	276	28064	2.671	ng	# 88
87) Benzo(b)fluoranthene	14.93	252	83314	8.626	ng	# 97
88) Benzo(k)fluoranthene	14.93	252	83314	9.148	ng	99
89) Benzo(a)pyrene	15.29	252	54048	6.230	ng	94
91) Benzo(g,h,i)perylene	17.26	276	24822	3.291	ng	97

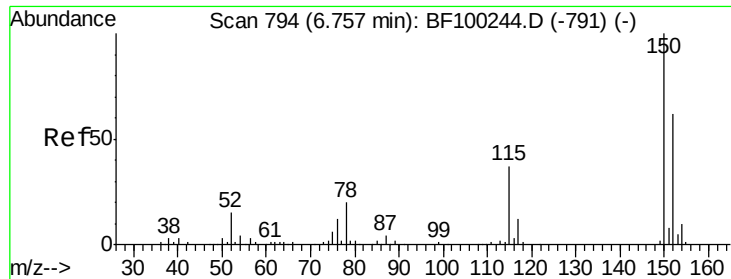
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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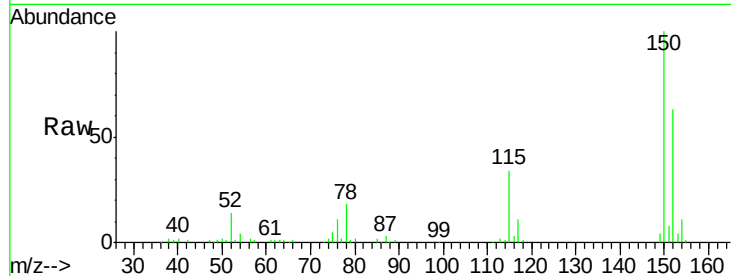


#1

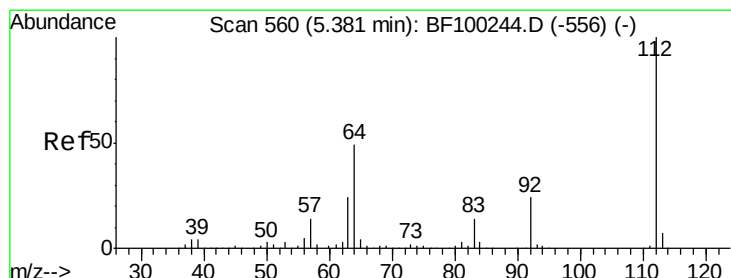
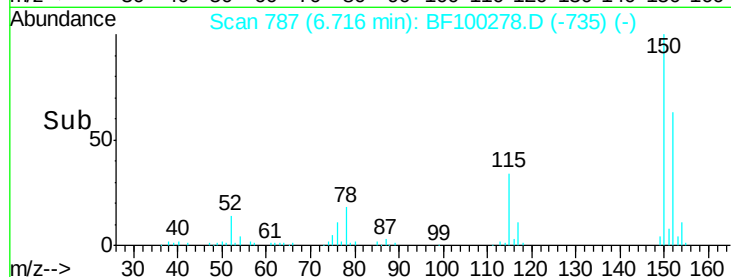
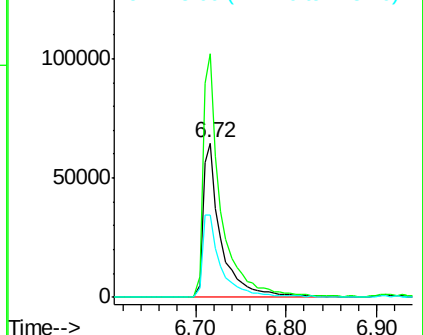
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. 0.01 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)DL

Tgt Ion:152 Resp: 89579
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 53.4 50.1 75.1



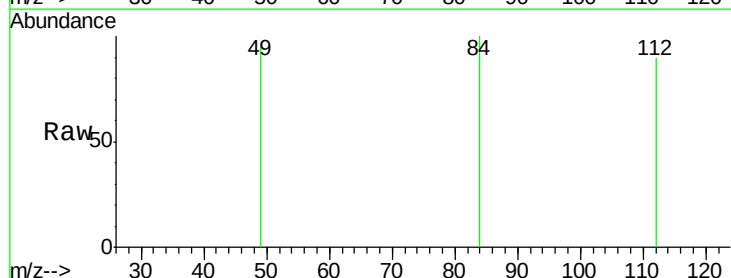
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



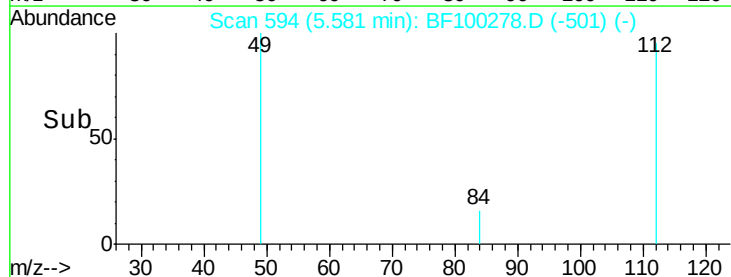
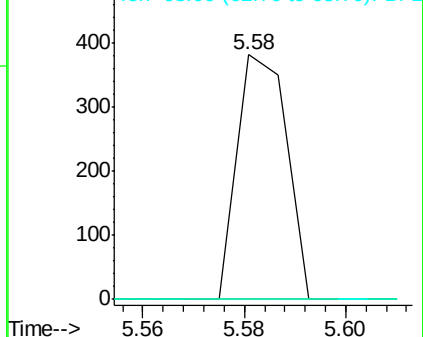
#5

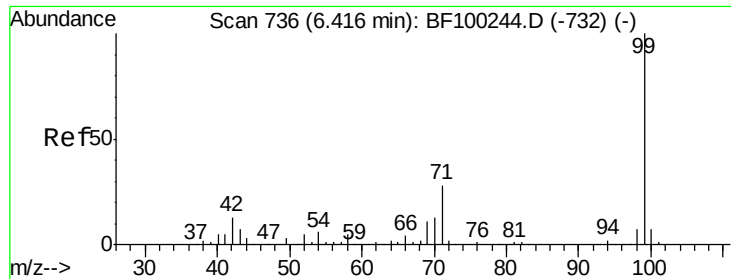
2-Fluorophenol
Concen: 0.045 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.25 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Tgt Ion:112 Resp: 258
Ion Ratio Lower Upper
112 100
64 0.0 47.9 71.9#
63 0.0 23.7 35.5#



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: 0.406 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.18 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

Instrument :

BNA_F

ClientSampleId :

EPE-110-1(0-5)DL

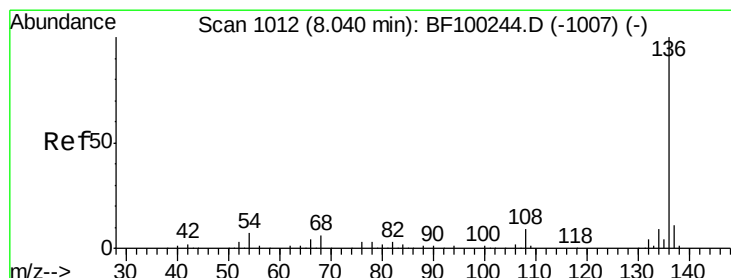
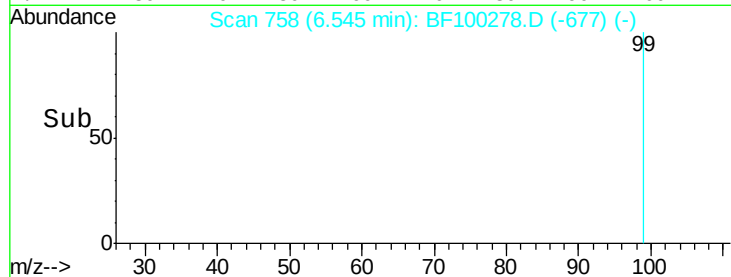
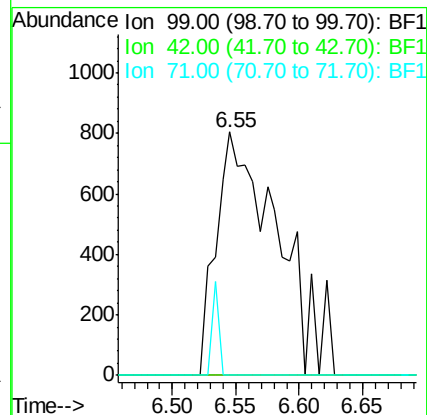
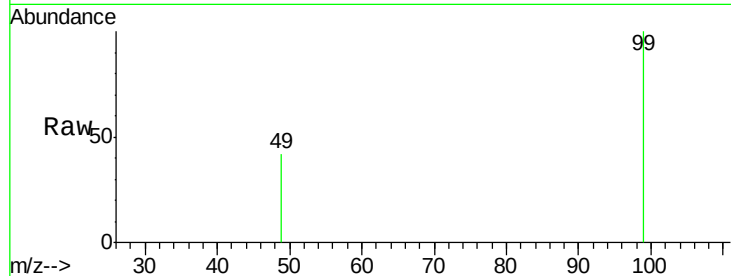
Tgt Ion: 99 Resp: 2747

Ion Ratio Lower Upper

99 100

42 0.0 14.5 21.7#

71 0.0 25.4 38.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

Tgt Ion: 136 Resp: 379956

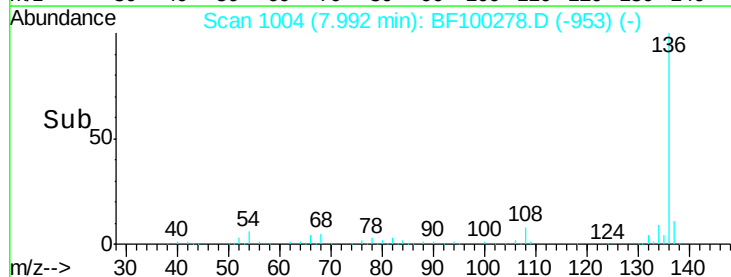
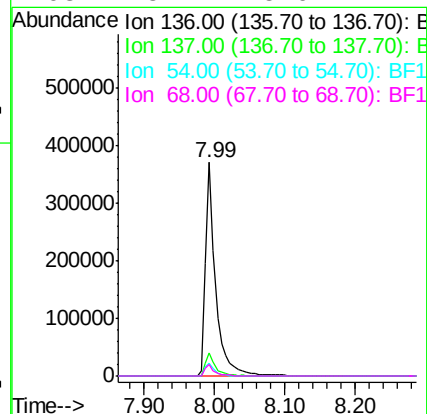
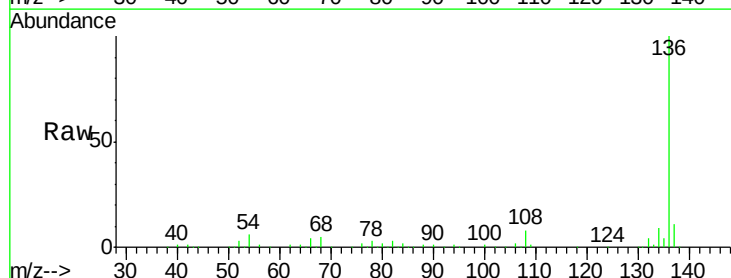
Ion Ratio Lower Upper

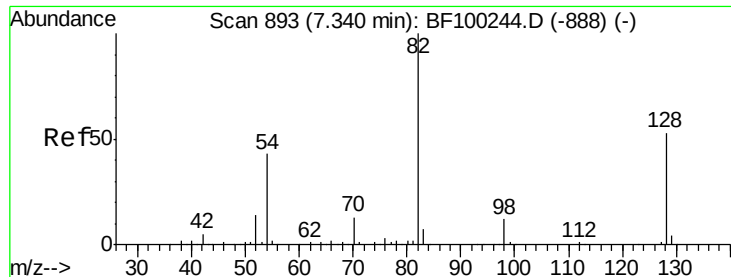
136 100

137 10.7 8.9 13.3

54 5.9 6.6 9.8#

68 5.4 5.0 7.4

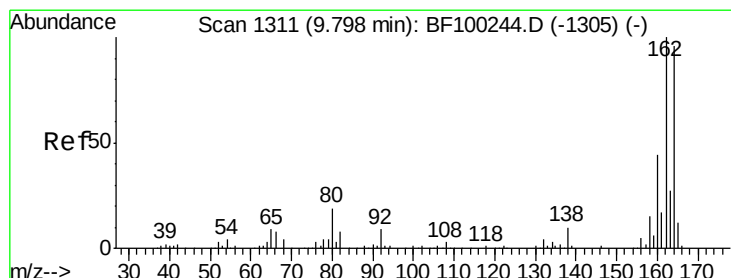
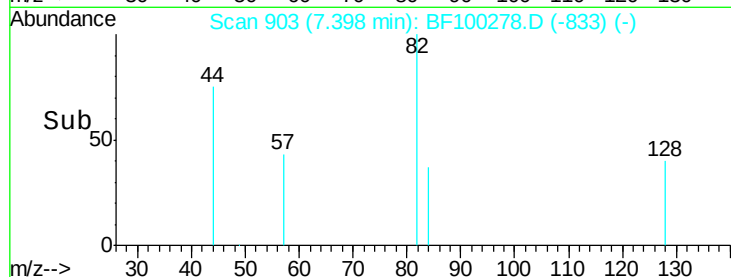
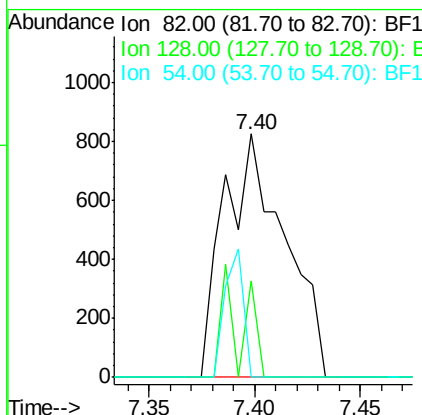
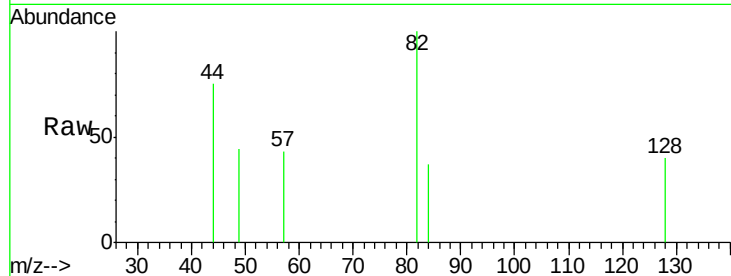




#23
 Nitrobenzene-d5
 Concen: 0.280 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.11 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

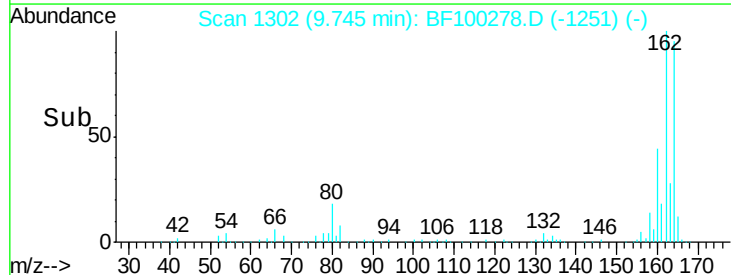
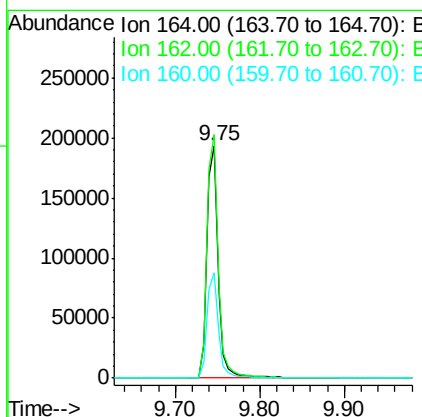
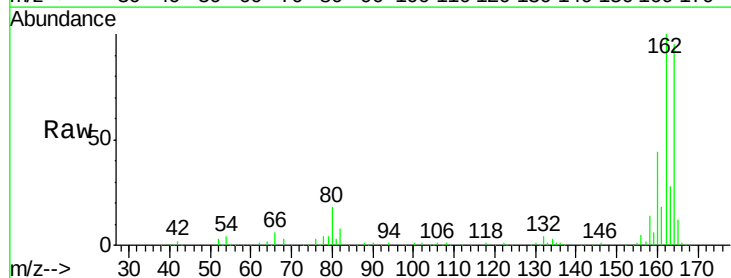
Instrument :
 BNA_F
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 EPE-110-1(0-5)DL

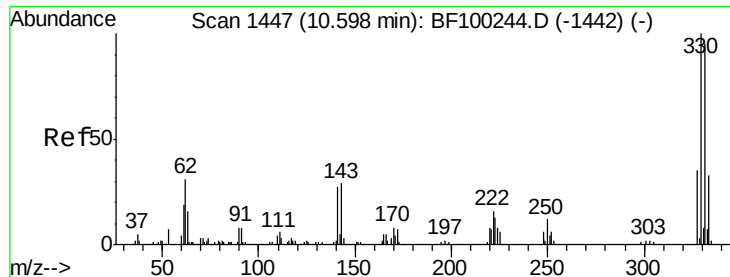
Tgt Ion: 82 Resp: 1653
 Ion Ratio Lower Upper
 82 100
 128 39.6 36.1 54.1
 54 0.0 41.4 62.2#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion: 164 Resp: 180726
 Ion Ratio Lower Upper
 164 100
 162 104.8 86.1 129.1
 160 45.6 38.3 57.5

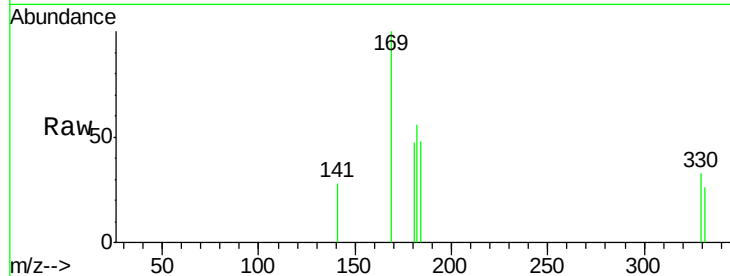




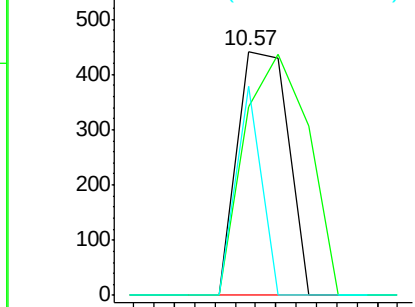
#41
 2,4,6-Tribromophenol
 Concen: 0.186 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.03 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

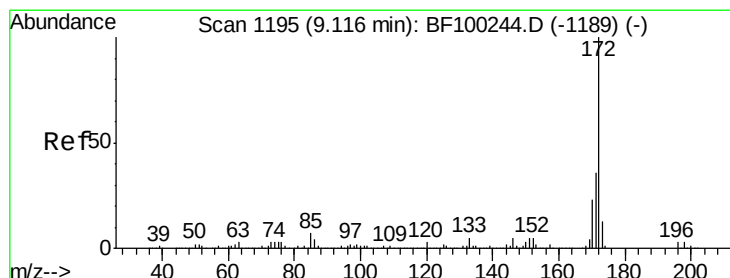
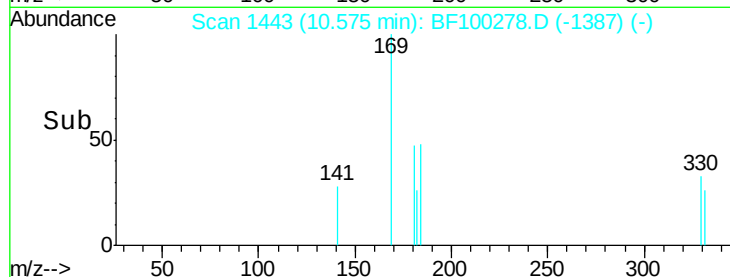
Tgt Ion:330 Resp: 307
 Ion Ratio Lower Upper
 330 100
 332 124.4 77.0 115.6#
 141 43.3 29.9 44.9



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

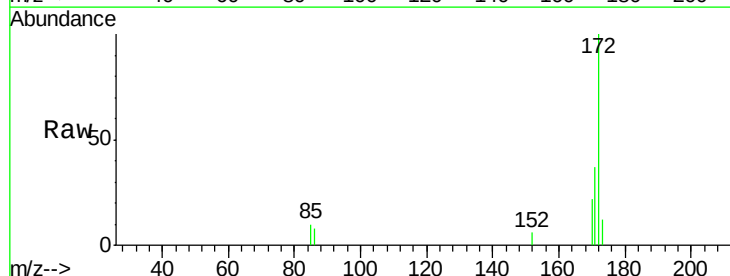


Time-->

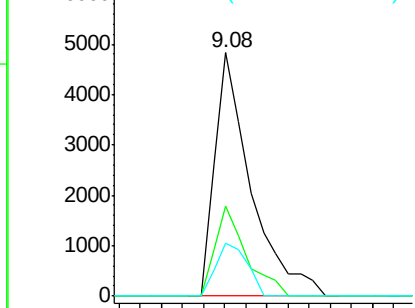


#44
 2-Fluorobiphenyl
 Concen: 0.489 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

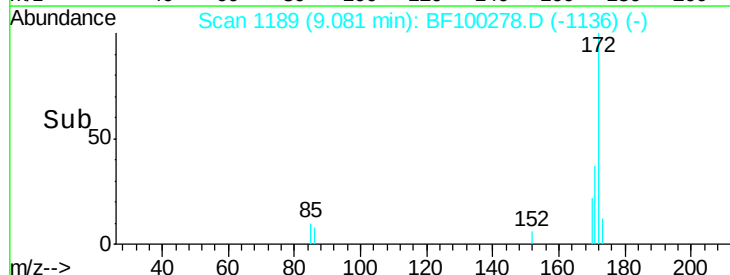
Tgt Ion:172 Resp: 5730
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 21.6 19.6 29.4

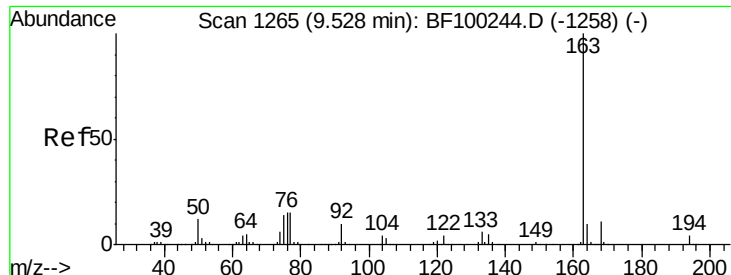


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->

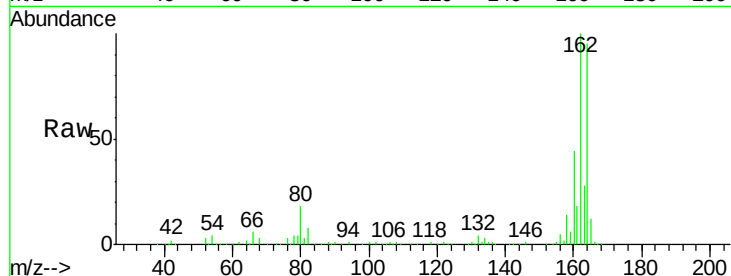




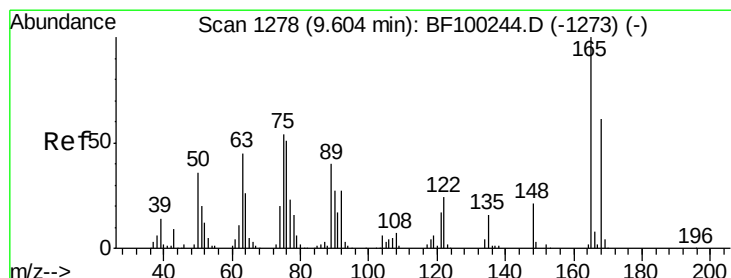
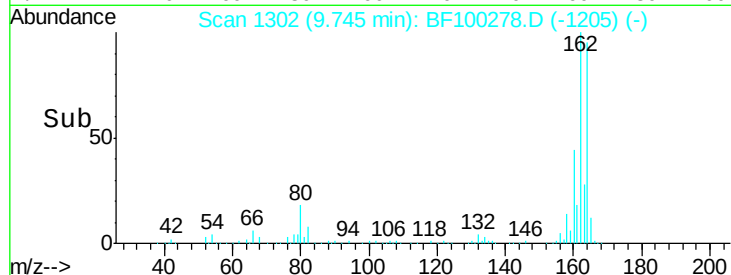
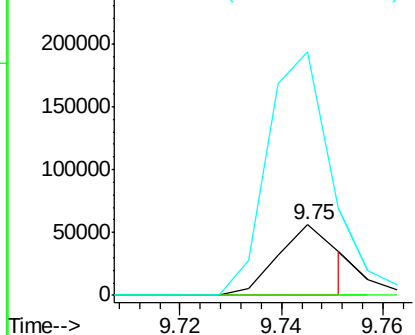
#49
Dimethylphthalate
Concen: 3.162 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.27 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)DL

Tgt Ion:163 Resp: 45260
Ion Ratio Lower Upper
163 100
194 0.0 2.7 4.1#
164 346.3 8.2 12.2#

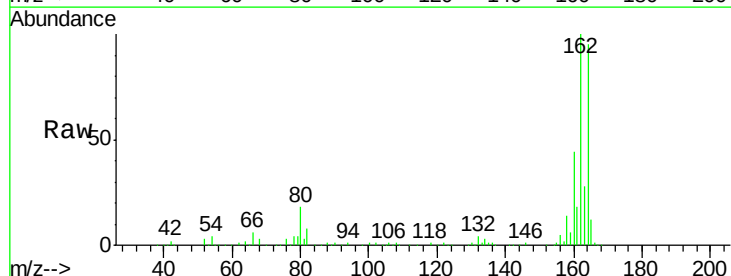


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

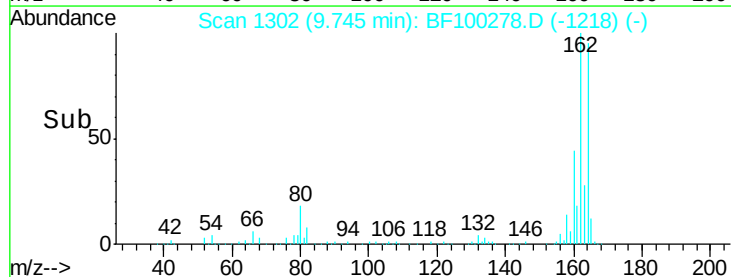
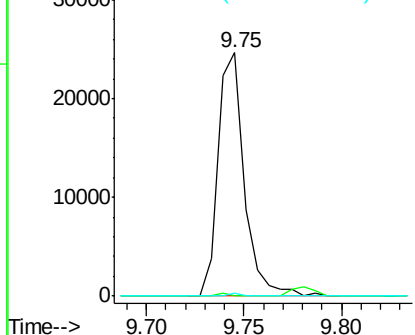


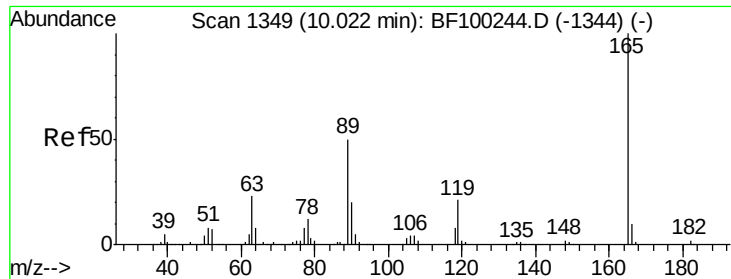
#50
2,6-Dinitrotoluene
Concen: 7.603 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.19 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Tgt Ion:165 Resp: 22875
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.4 44.0 66.0#



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

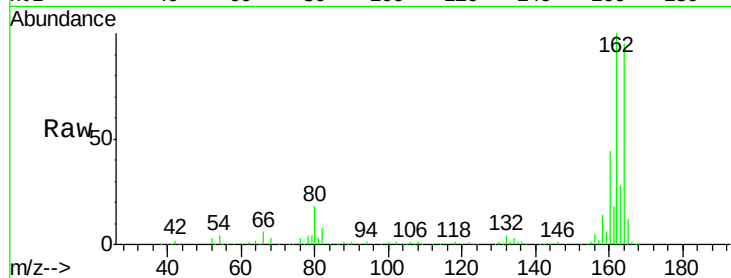




#56
 2,4-Dinitrotoluene
 Concen: 6.313 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.22 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

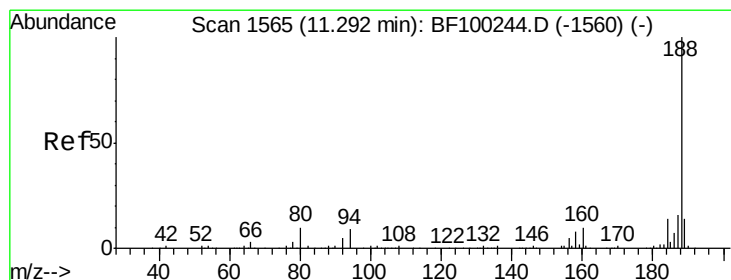
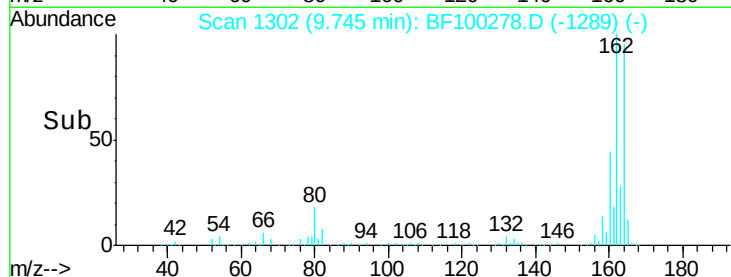
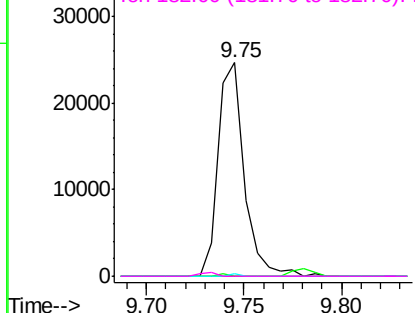


Abundance Ion 165.00 (164.70 to 165.70): E

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



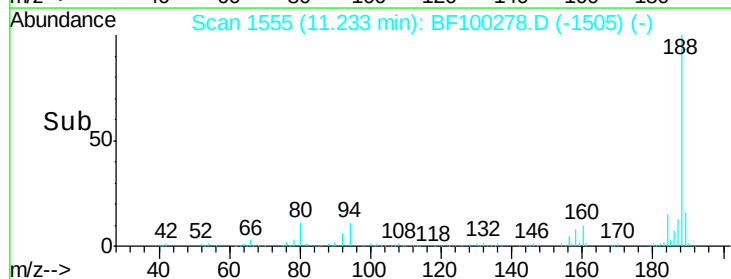
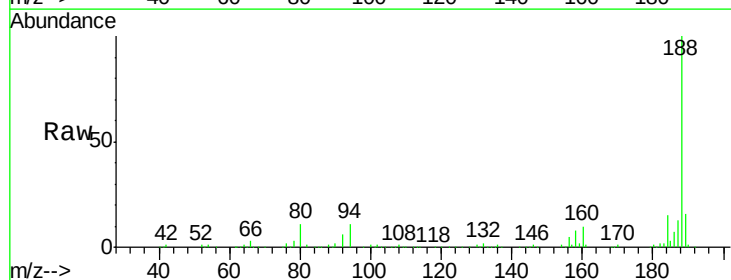
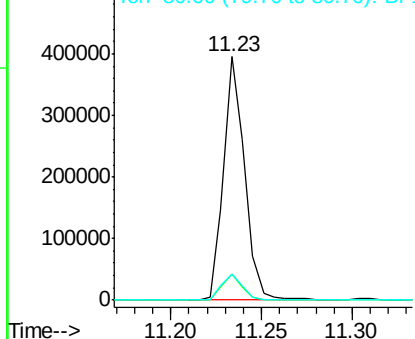
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

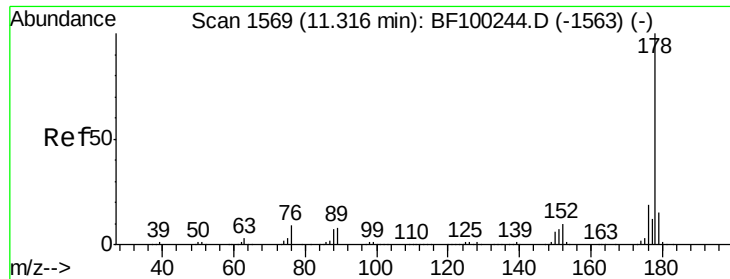
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	10.9	9.2	13.8

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

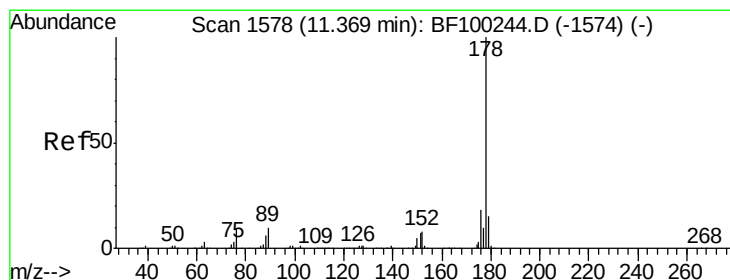
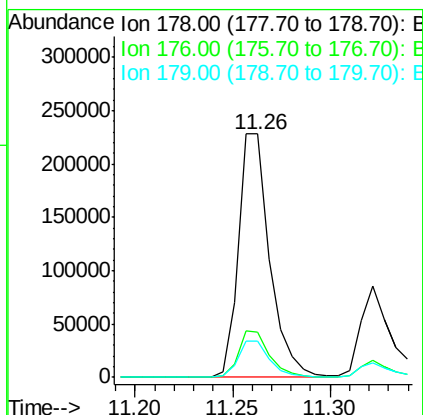
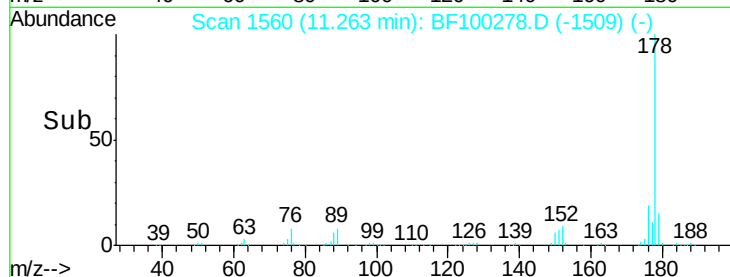
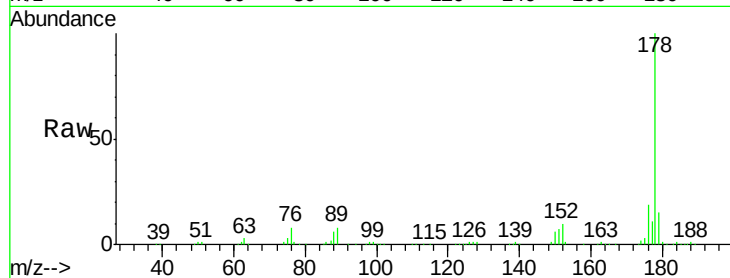




#70
Phenanthrene
Concen: 14.124 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

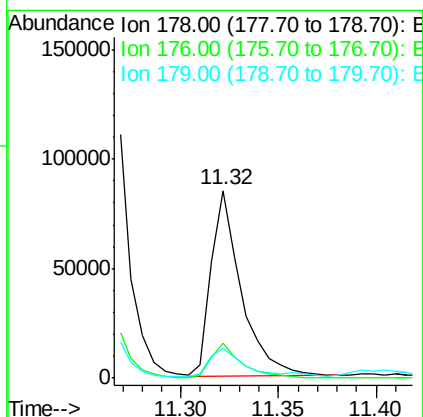
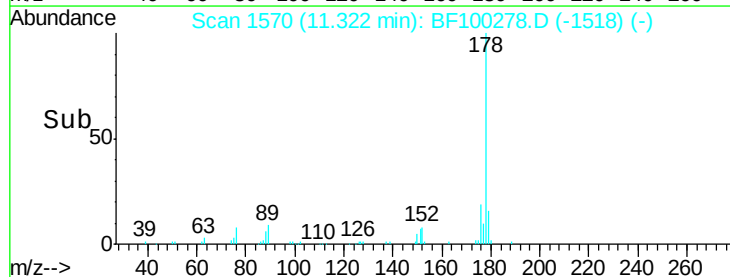
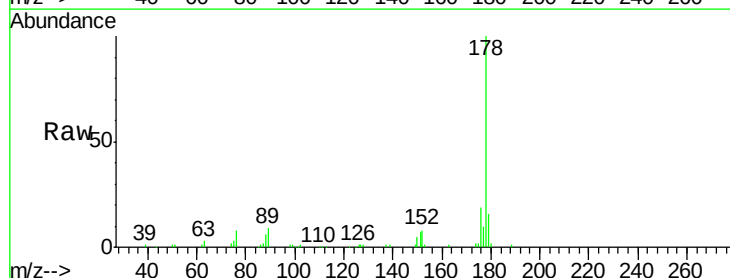
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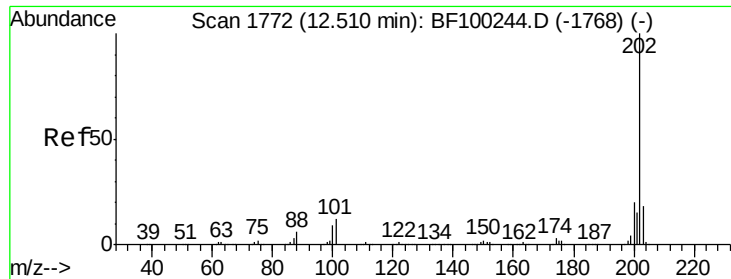
Tgt Ion:178 Resp: 254926
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.9 13.0 19.6



#71
Anthracene
Concen: 5.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF100278.D
Acq: 7 Nov 2017 12:29

Tgt Ion:178 Resp: 91616
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 16.1 12.6 19.0

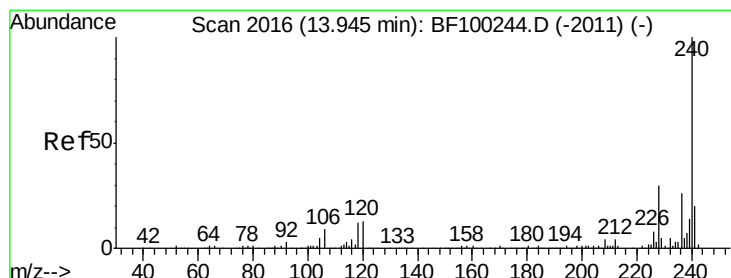
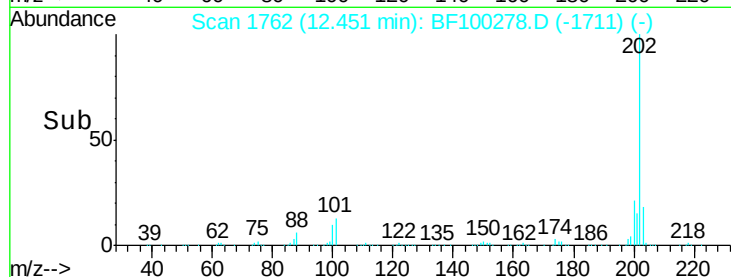
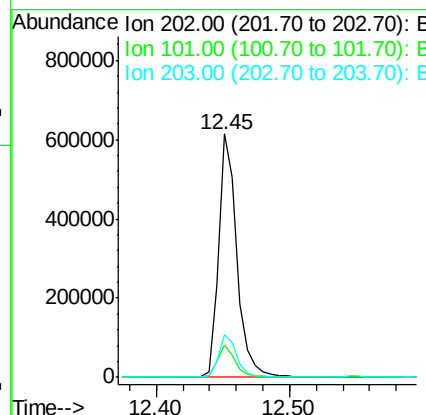
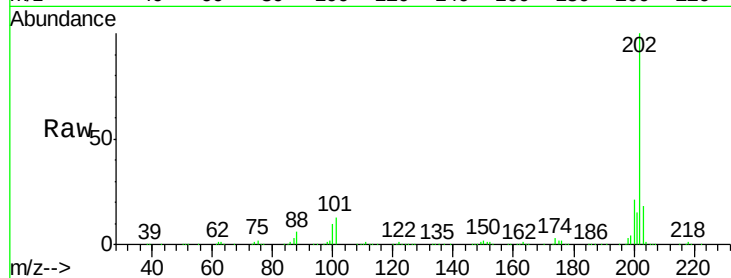




#74
 Fluoranthene
 Concen: 31.683 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

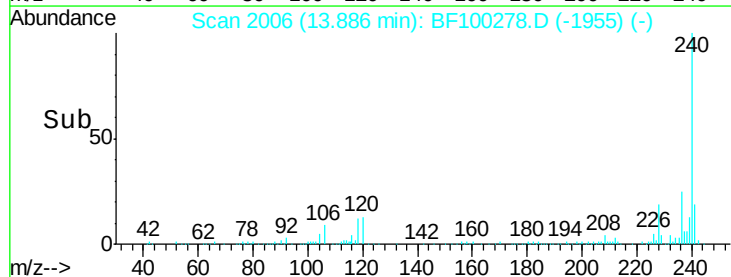
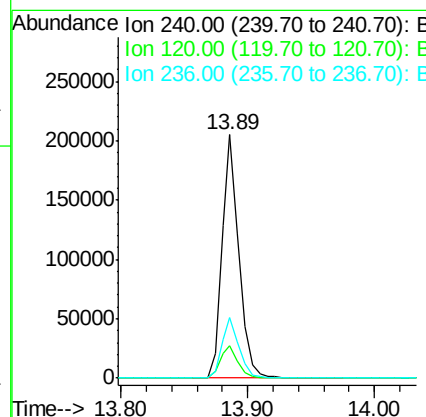
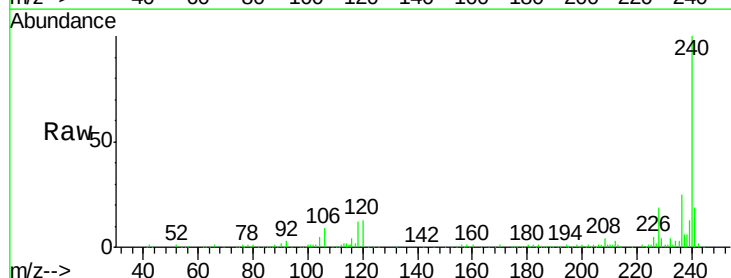
Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

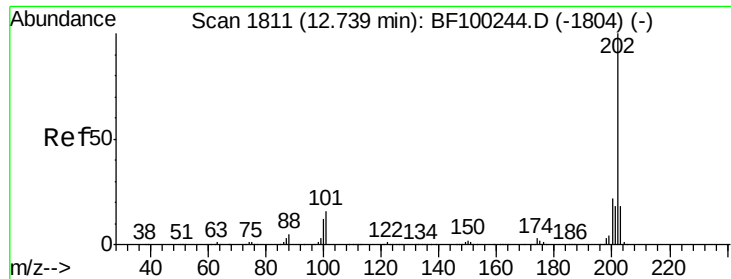
Tgt Ion: 202 Resp: 594306
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 34.1
 203 17.6 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion: 240 Resp: 192043
 Ion Ratio Lower Upper
 240 100
 120 13.3 9.5 14.3
 236 24.8 20.7 31.1

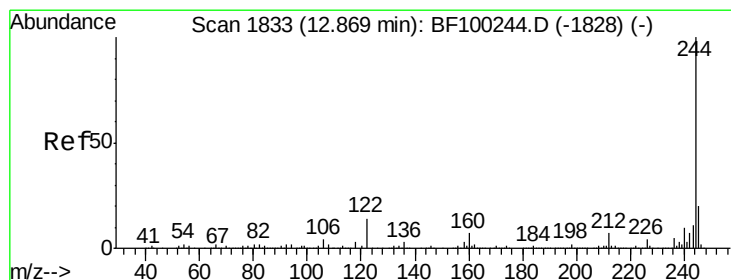
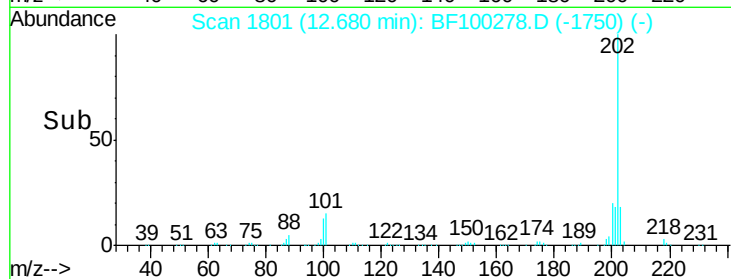
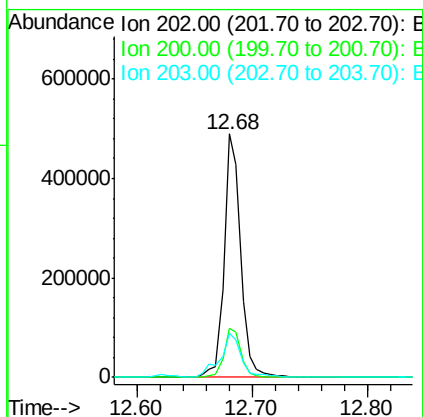
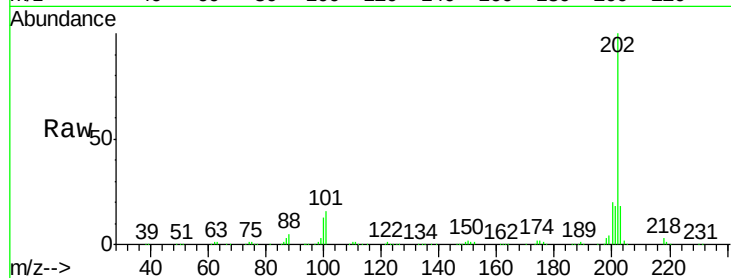




#77
 Pyrene
 Concen: 32.977 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

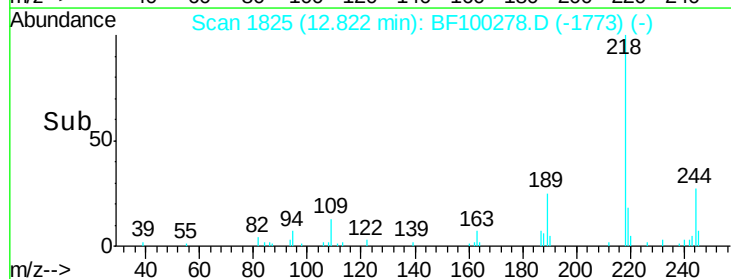
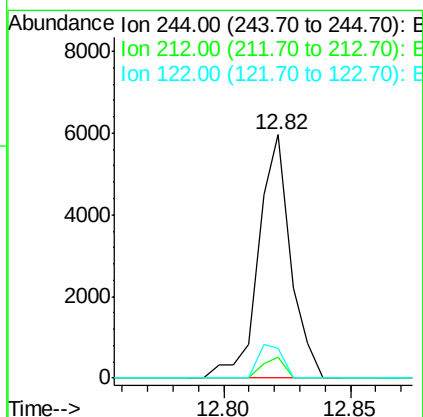
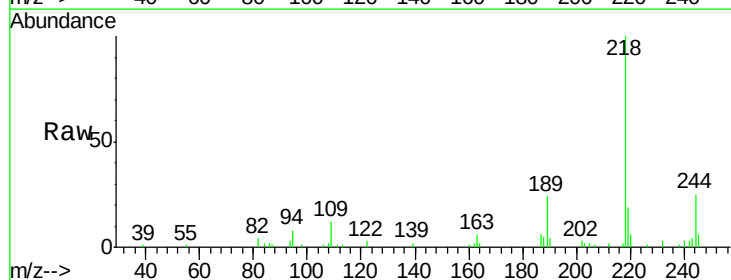
Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

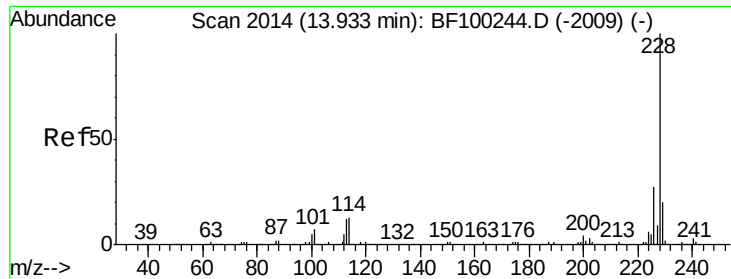
Tgt Ion: 202 Resp: 481556
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.4 26.2
 203 18.1 14.3 21.5



#78
 Terphenyl-d14
 Concen: 0.602 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion: 244 Resp: 5290
 Ion Ratio Lower Upper
 244 100
 212 8.6 5.4 8.0#
 122 12.1 11.0 16.4





#80

Benzo(a)anthracene

Concen: 11.353 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

Instrument :

BNA_F

ClientSampleId :

EPE-110-1(0-5)DL

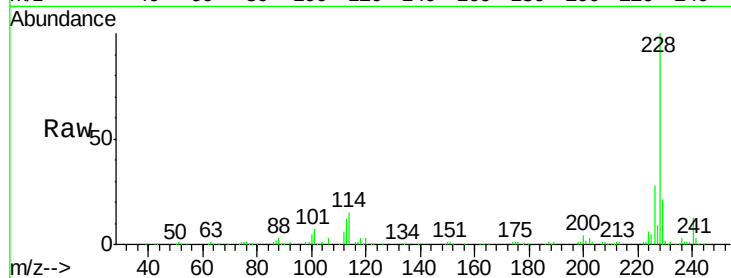
Tgt Ion:228 Resp: 138216

Ion Ratio Lower Upper

228 100

226 27.8 22.6 33.8

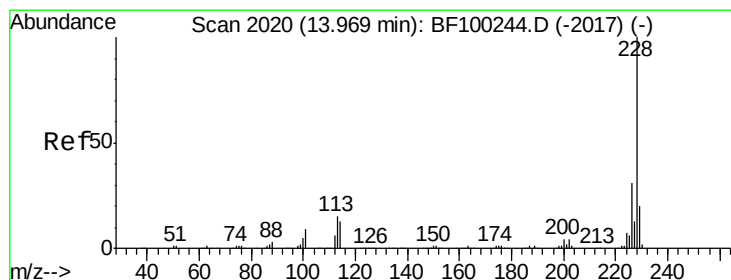
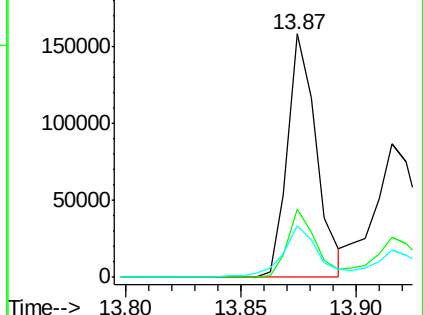
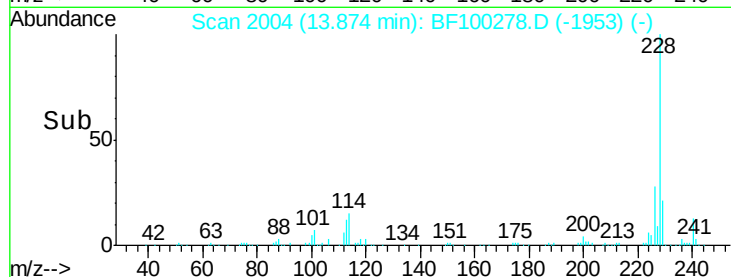
229 21.0 15.8 23.6



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



#82

Chrysene

Concen: 9.768 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

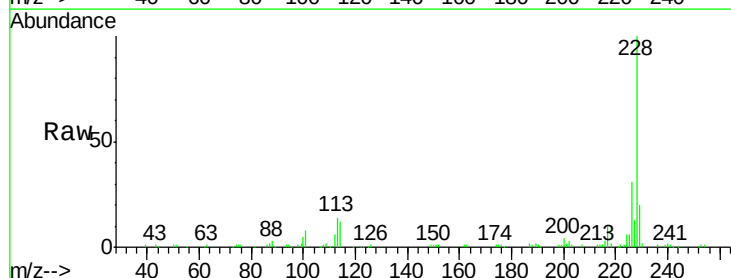
Tgt Ion:228 Resp: 111801

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

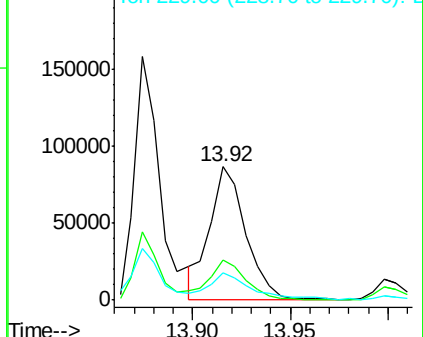
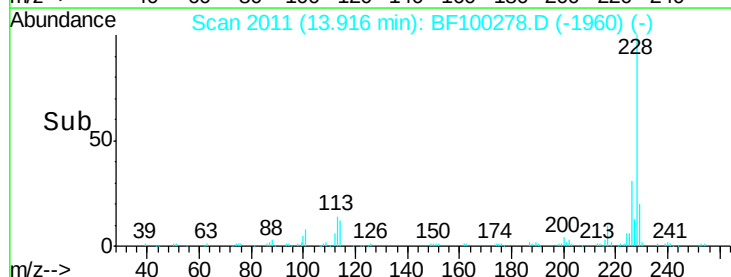
229 20.2 16.2 24.4

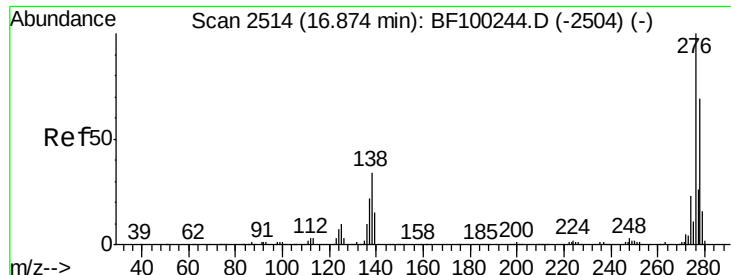


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

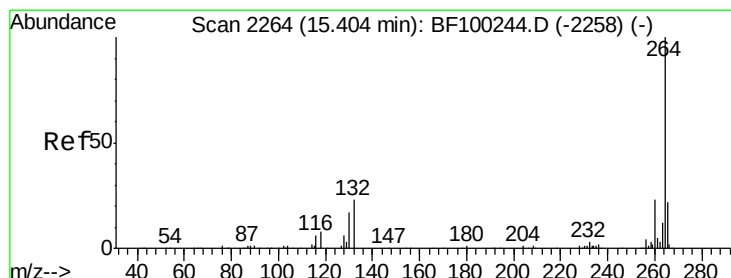
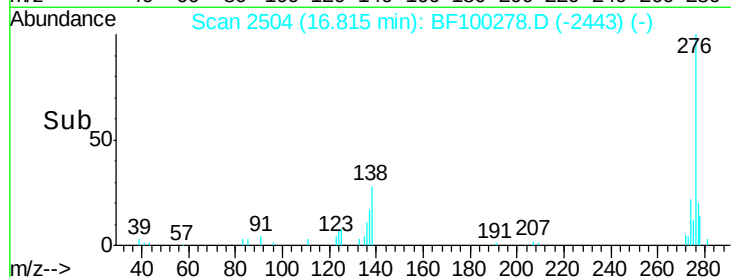
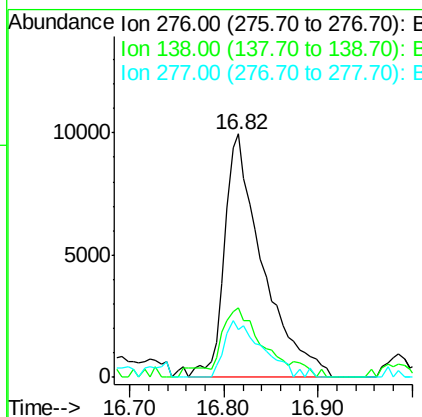
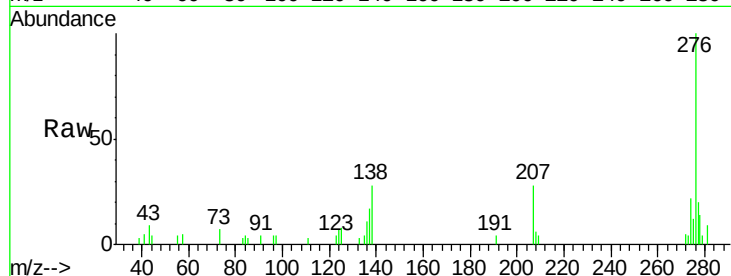




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.671 ng
 RT: 16.82 min Scan# 2504
 Delta R.T. 0.06 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

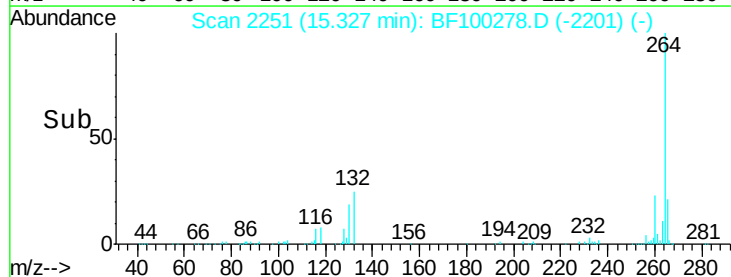
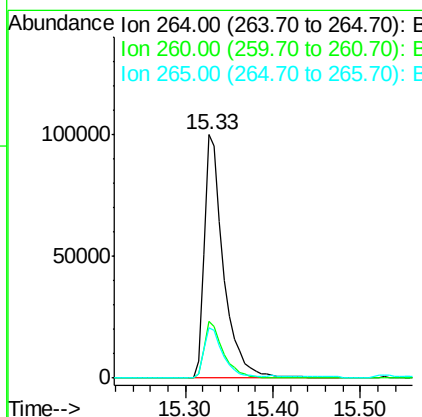
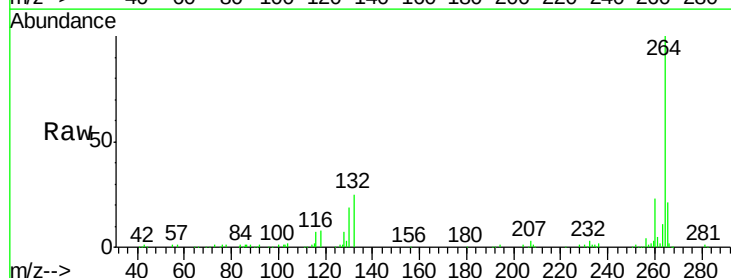
Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)DL

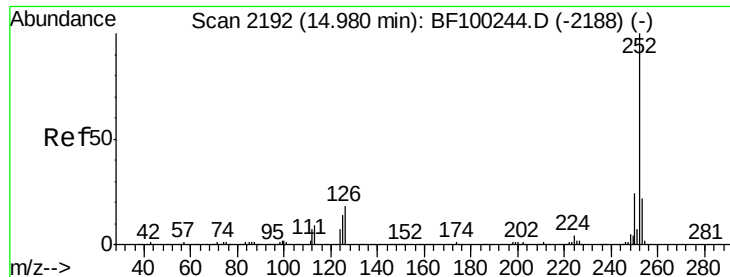
Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	25.0	37.6#
277	22.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: BF100278.D
 Acq: 7 Nov 2017 12:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	20.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.626 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

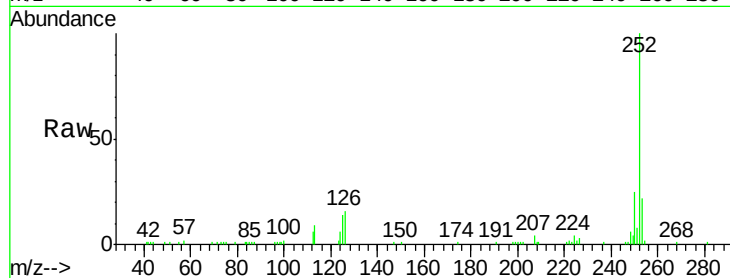
Instrument :

BNA_F

ClientSampleId :

EPE-110-1(0-5)DL

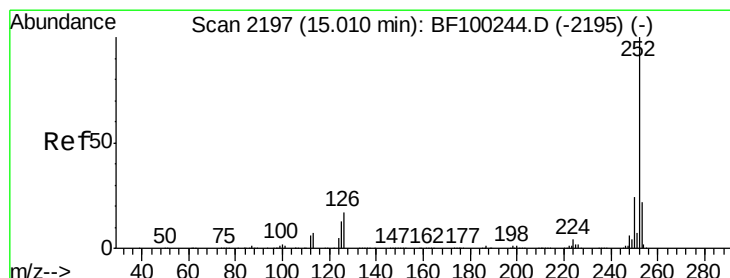
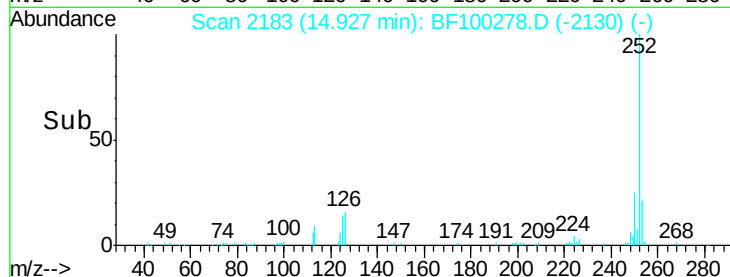
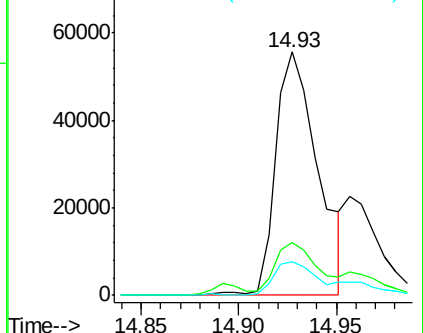
Tgt Ion:	252	Resp:	83314
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	13.7	9.0	13.6#



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



#88

Benzo(k)fluoranthene

Concen: 9.148 ng

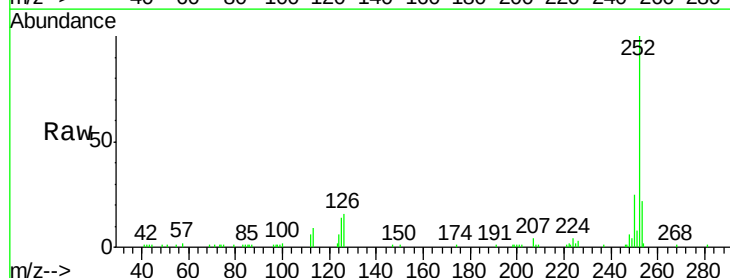
RT: 14.93 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

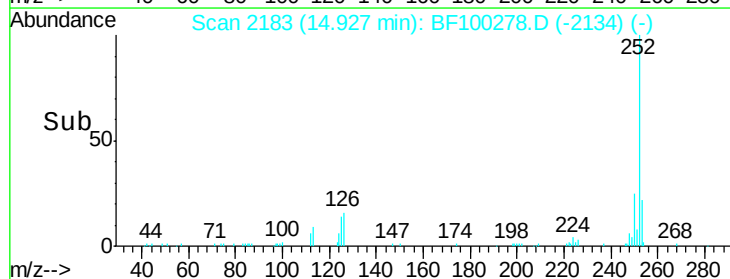
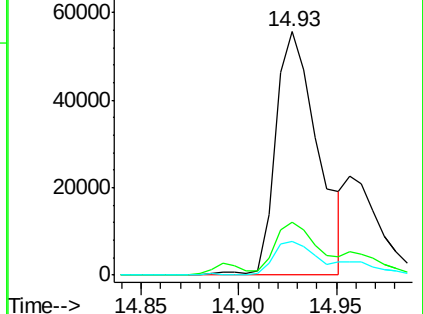
Tgt Ion:	252	Resp:	83314
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.9	26.9
125	13.7	10.2	15.2

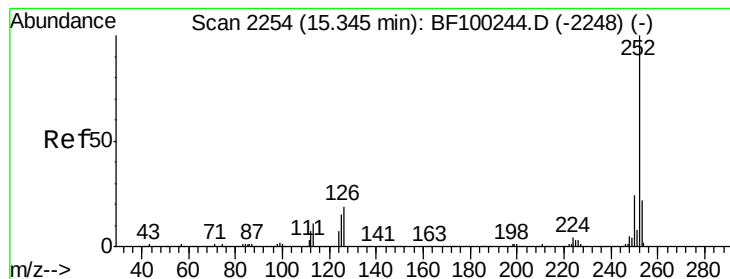


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.230 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.02 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

Instrument :

BNA_F

ClientSampleId :

EPE-110-1(0-5)DL

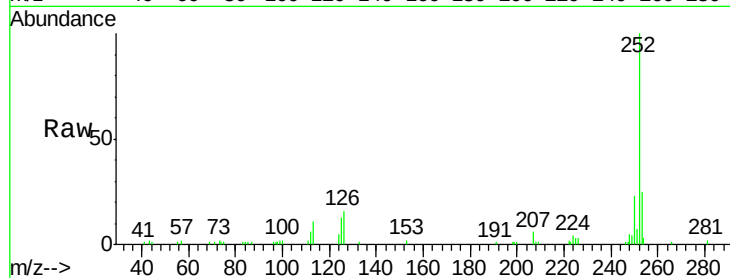
Tgt Ion:252 Resp: 54048

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

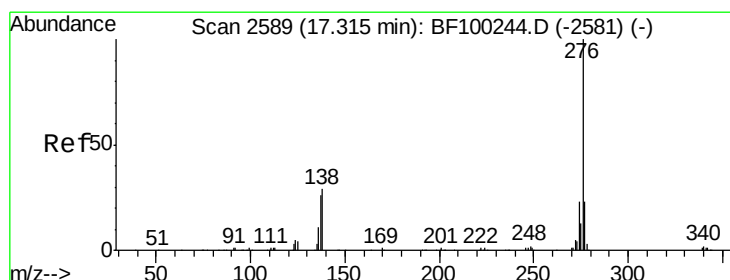
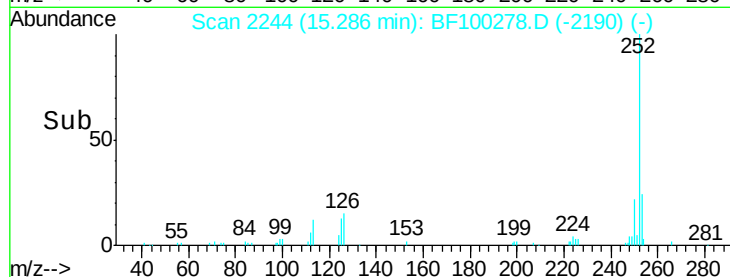
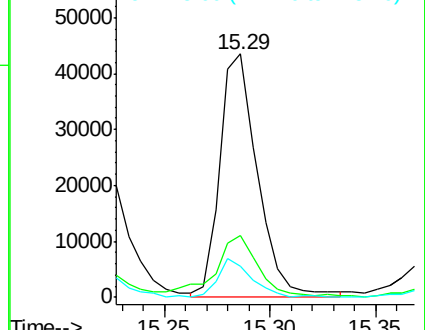
125 13.0 9.8 14.6



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

Benzo(g,h,i)perylene

Concen: 3.291 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.06 min

Lab File: BF100278.D

Acq: 7 Nov 2017 12:29

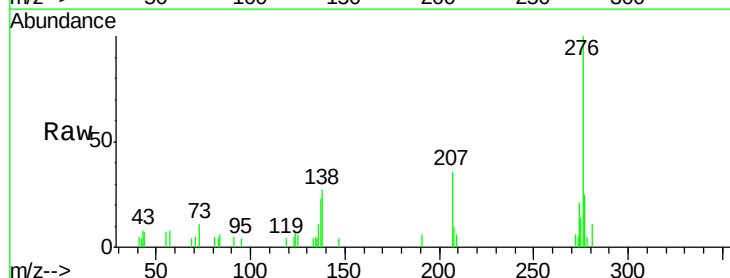
Tgt Ion:276 Resp: 24822

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 27.0 21.8 32.8



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

