

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101275.D
 Acq On : 9 Dec 2017 10:39
 Operator : SJ/JU
 Sample : I6744-08
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PROS-2-E(5-6)

Quant Time: Dec 11 14:49:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	45525	20.00	ng	0.01
21) Naphthalene-d8	8.12	136	162994	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	63800	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	116456	20.00	ng	0.00
75) Chrysene-d12	14.02	240	85087	20.00	ng	0.01
86) Perylene-d12	15.50	264	64777	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	307222	111.51	ng	0.01
7) Phenol-d6	6.47	99	358486	107.18	ng	0.01
23) Nitrobenzene-d5	7.40	82	187859	68.75	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	67690	88.32	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	367562	78.82	ng	0.00
78) Terphenyl-d14	12.95	244	305081	78.42	ng	0.01

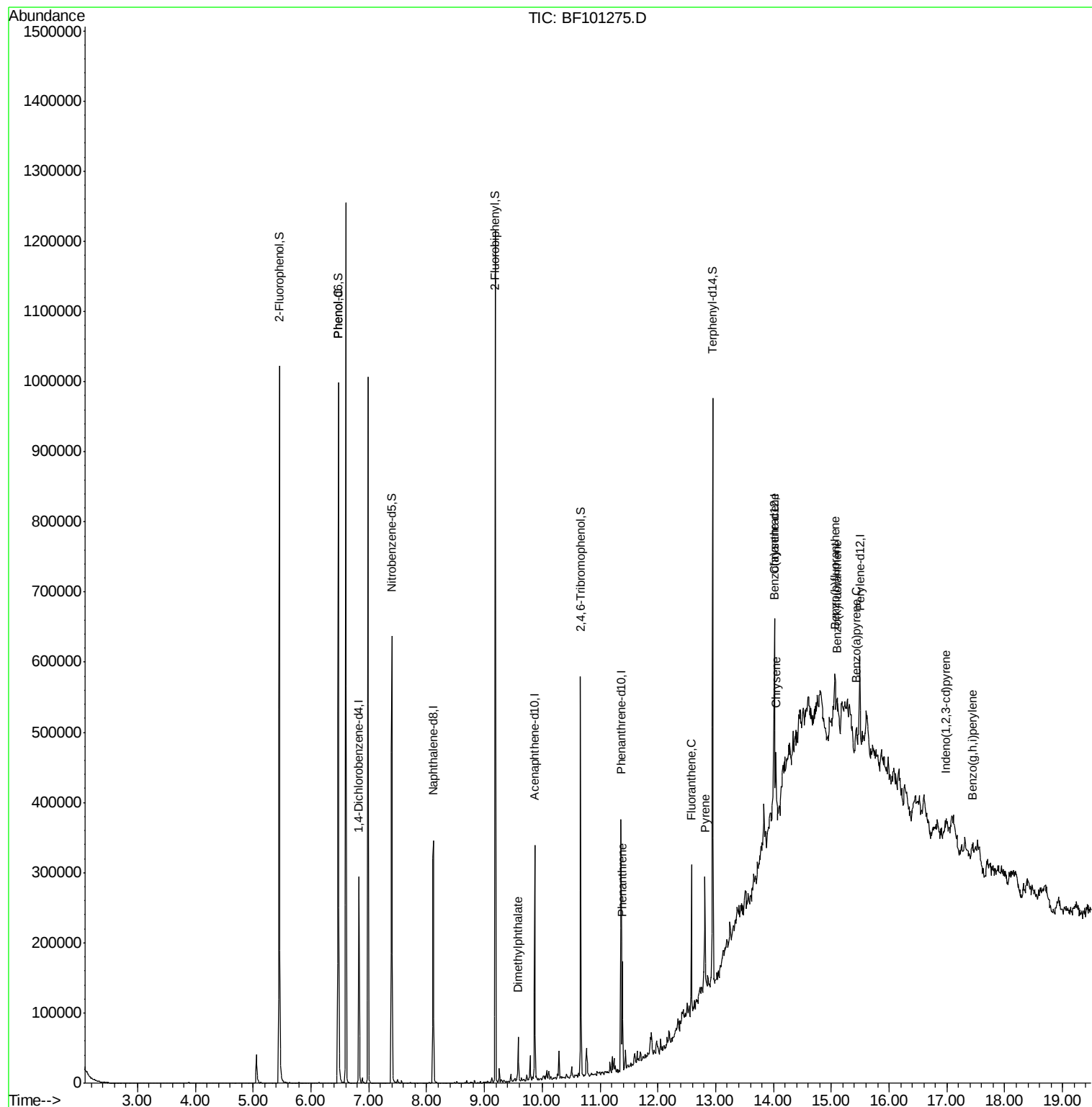
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	13928	3.745	ng	82
49) Dimethylphthalate	9.58	163	19049	3.702	ng	# 98
70) Phenanthrene	11.39	178	50282	7.840	ng	97
74) Fluoranthene	12.58	202	75158	10.572	ng	95
77) Pyrene	12.81	202	59744	10.176	ng	98
80) Benzo(a)anthracene	14.00	228	24924	4.639	ng	# 91
82) Chrysene	14.04	228	26573	5.326	ng	92
85) Indeno(1,2,3-cd)pyrene	16.98	276	10692	2.410	ng	# 85
87) Benzo(b)fluoranthene	15.06	252	25364m	6.537	ng	
88) Benzo(k)fluoranthene	15.09	252	11202m	2.930	ng	
89) Benzo(a)pyrene	15.43	252	13663	3.873	ng	# 58
91) Benzo(a,h,i)perylene	17.44	276	10564	3.605	ng	# 86

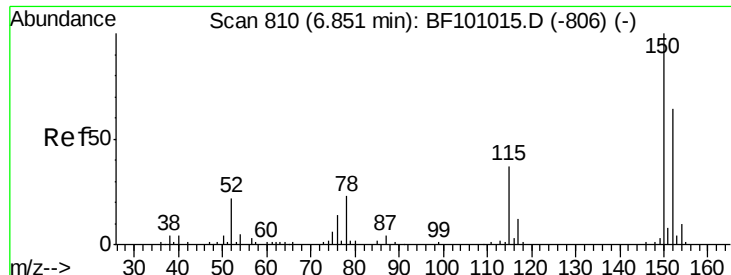
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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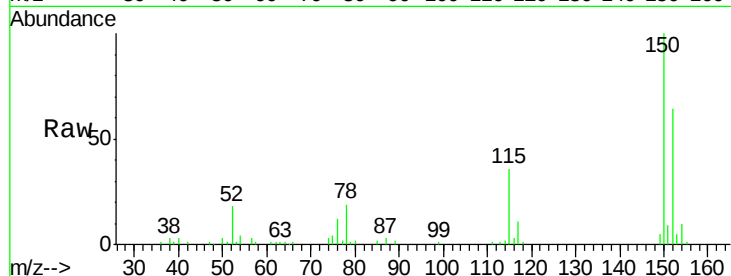


#1

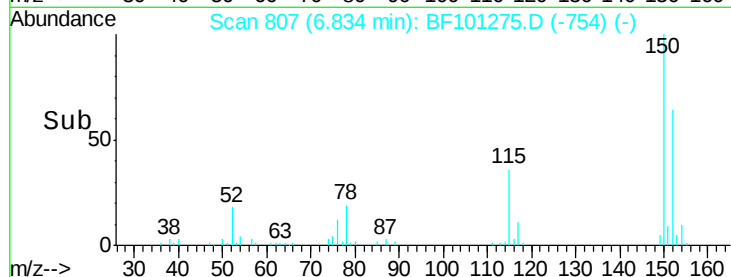
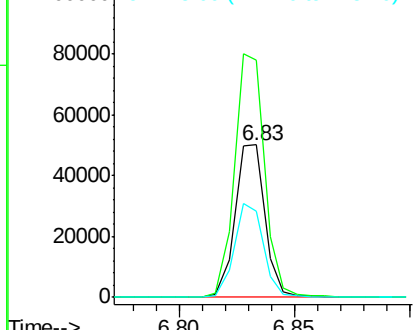
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PROS-2-E(5-6)

Tot Ion:152 Resp: 45525
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 56.3 50.1 75.1



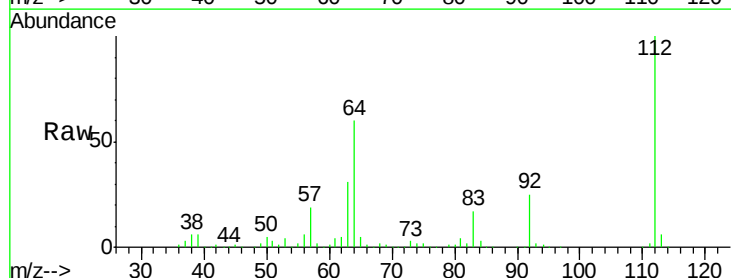
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



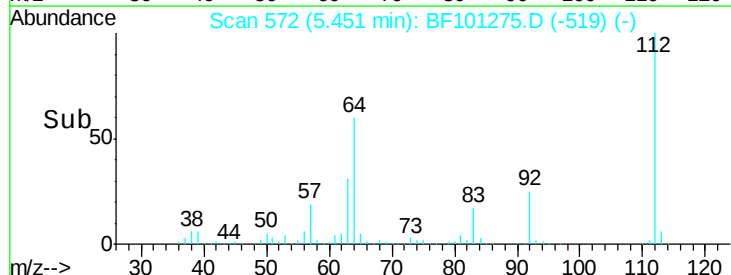
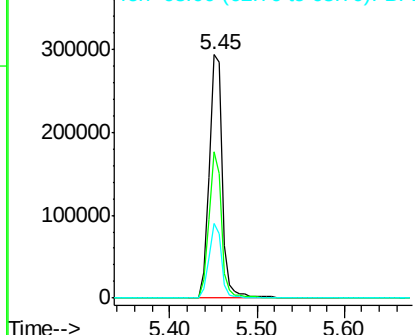
#5

2-Fluorophenol
Concen: 111.514 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:112 Resp: 307222
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 30.7 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: 107.175 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

PROS-2-E(5-6)

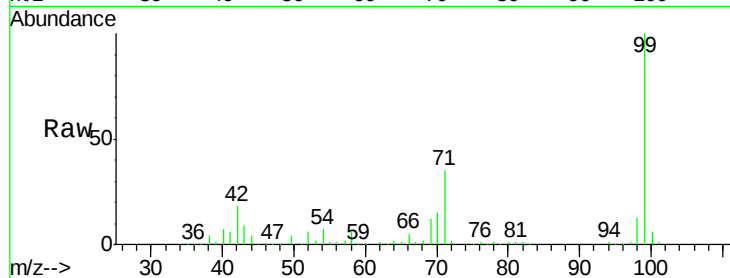
Tot Ion: 99 Resp: 358486

Ion Ratio Lower Upper

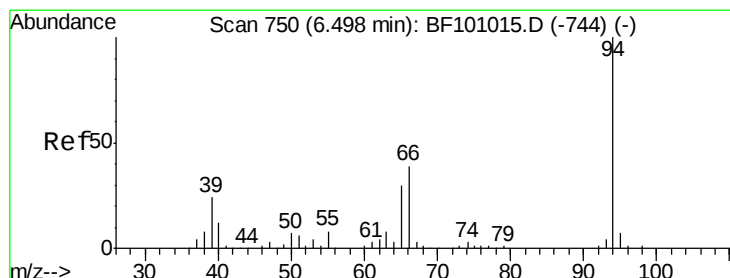
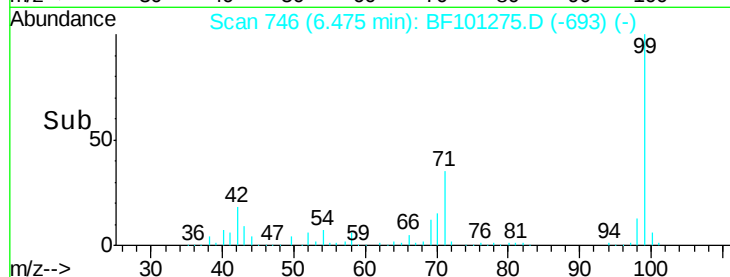
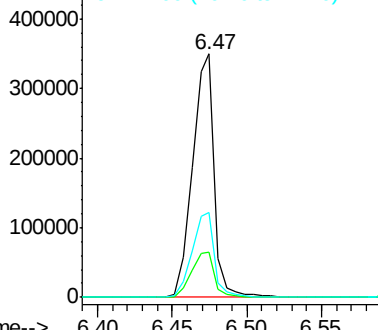
99 100

42 18.5 14.5 21.7

71 34.7 25.4 38.0



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



#10

Phenol

Concen: 3.745 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

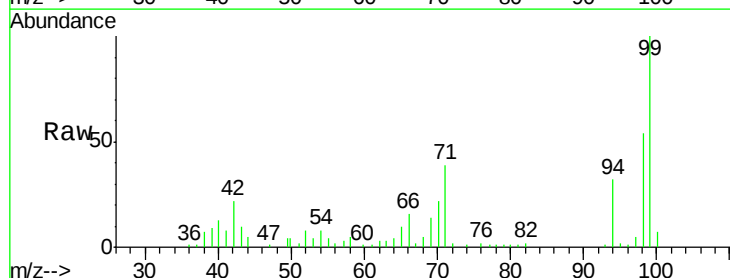
Tgt Ion: 94 Resp: 13928

Ion Ratio Lower Upper

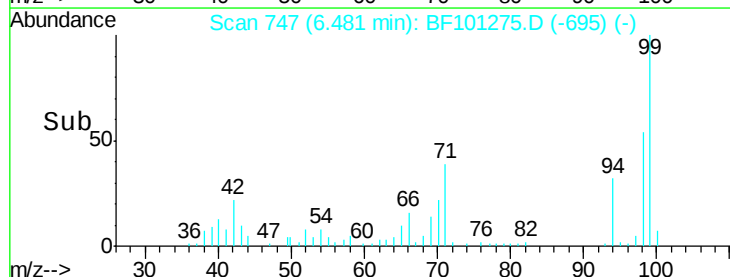
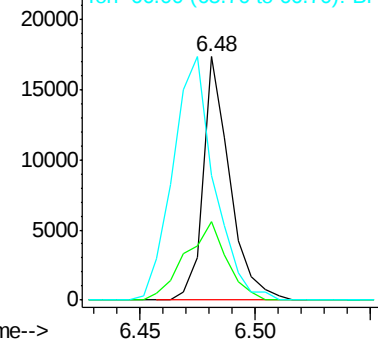
94 100

65 32.5 7.9 47.9

66 51.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

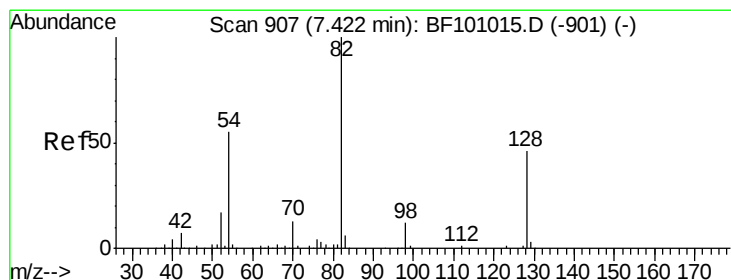
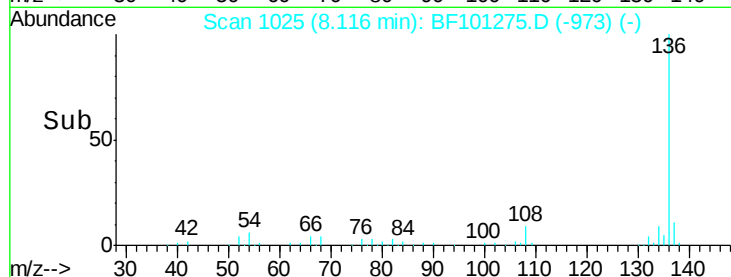
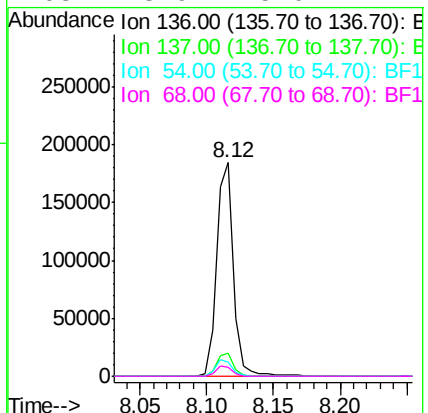
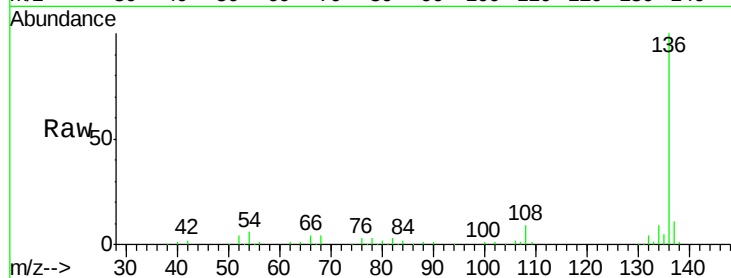




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

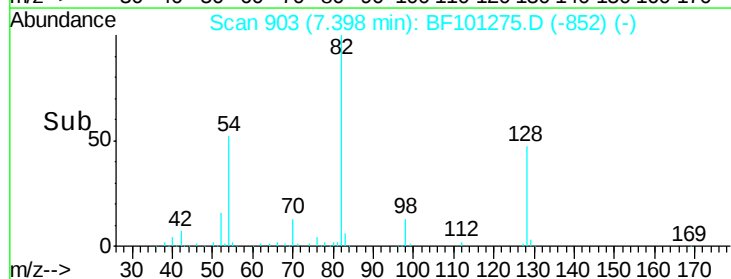
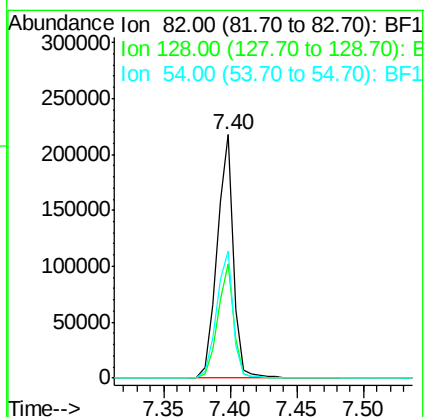
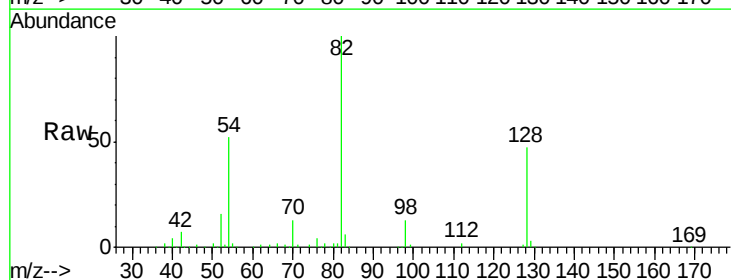
Instrument :
BNA_F
ClientSampleId :
PROS-2-E(5-6)

Tot Ion:136	Resp:	162994
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.4	6.6 9.8#
68	3.9	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 68.753 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion: 82	Resp:	187859
Ion Ratio	Lower	Upper
82	100	
128	46.9	36.1 54.1
54	52.3	41.4 62.2

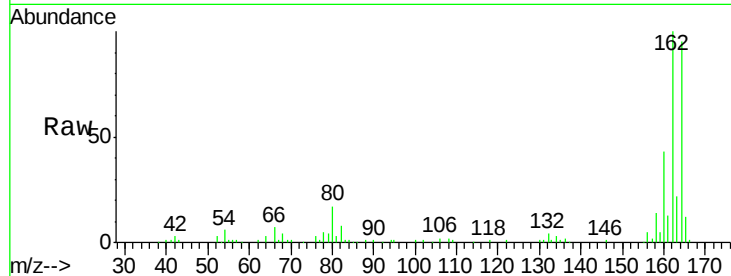




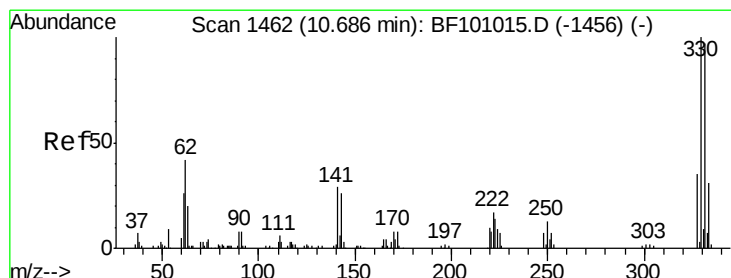
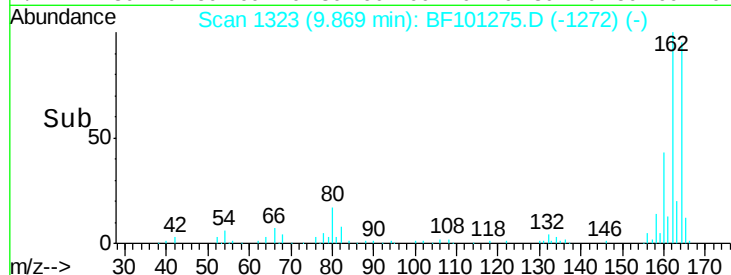
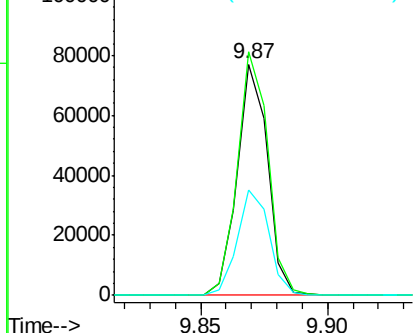
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: BF101275.D
 Acq: 9 Dec 2017 10:39

Instrument :
 BNA_F
 ClientSampleId :
 PROS-2-E(5-6)

Tot Ion:164 Resp: 63800
 Ion Ratio Lower Upper
 164 100
 162 105.4 86.1 129.1
 160 45.5 38.3 57.5

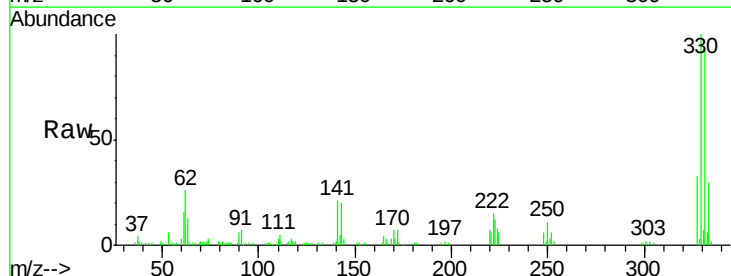


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

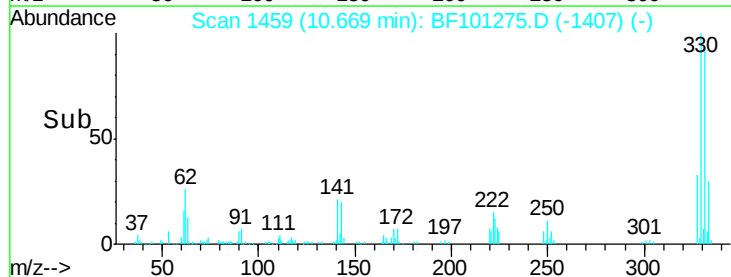
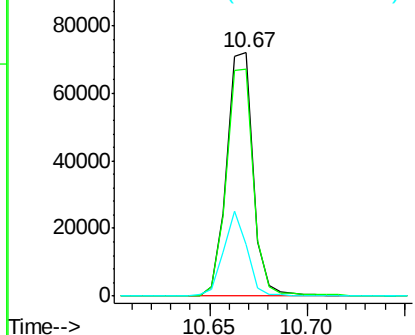


#41
 2,4,6-Tribromophenol
 Concen: 88.320 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BF101275.D
 Acq: 9 Dec 2017 10:39

Tgt Ion:330 Resp: 67690
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 30.8 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

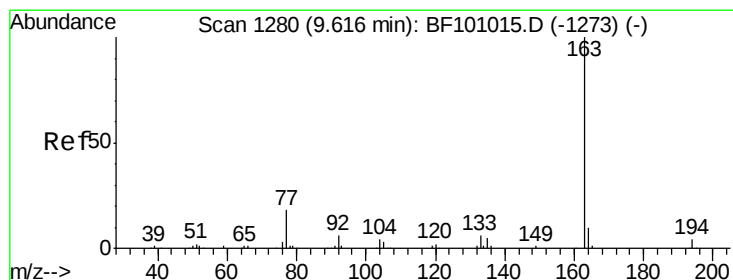
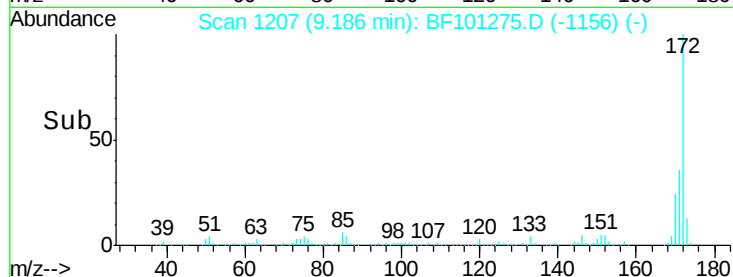
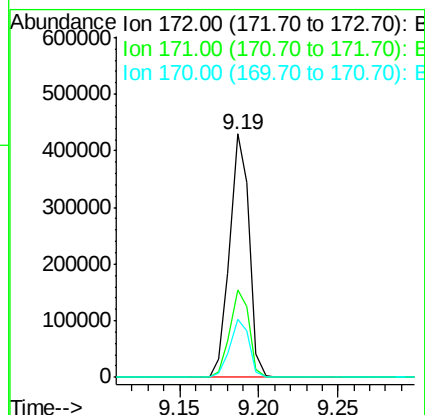
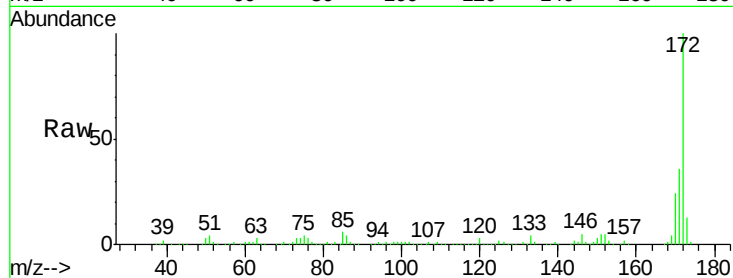




#44
2-Fluorobiphenyl
Concen: 78.824 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

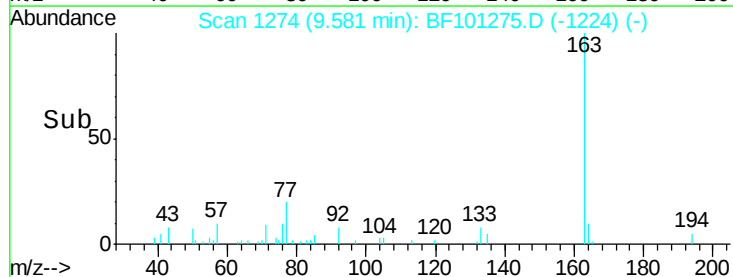
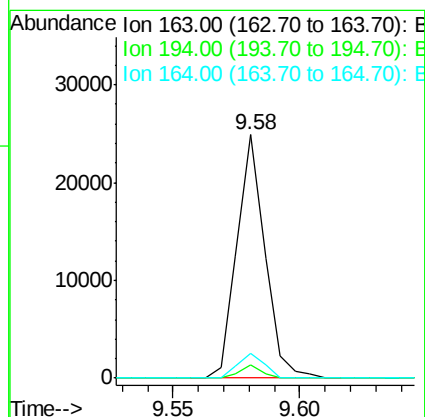
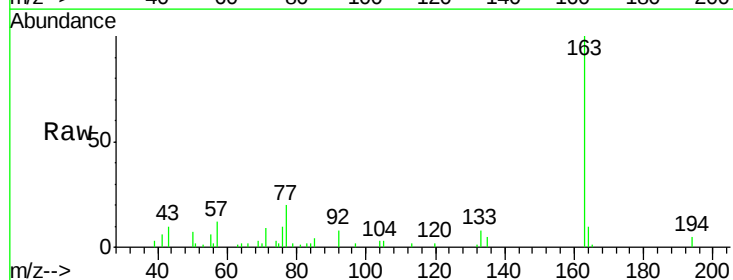
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BNA_F
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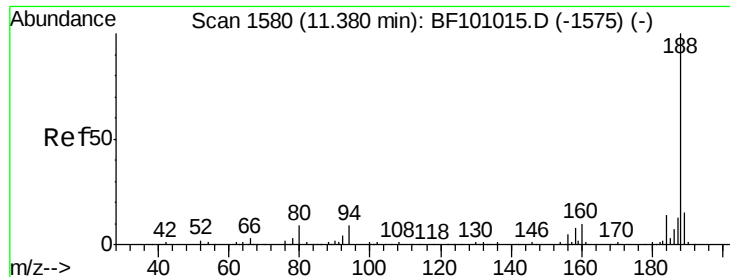
Tot Ion:172 Resp: 367562
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.6 19.6 29.4



#49
Dimethylphthalate
Concen: 3.702 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:163 Resp: 19049
Ion Ratio Lower Upper
163 100
194 5.4 2.7 4.1#
164 10.1 8.2 12.2

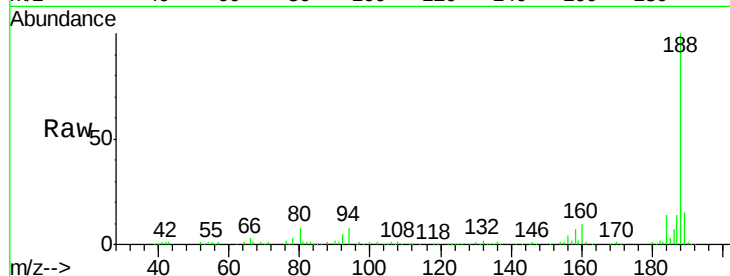




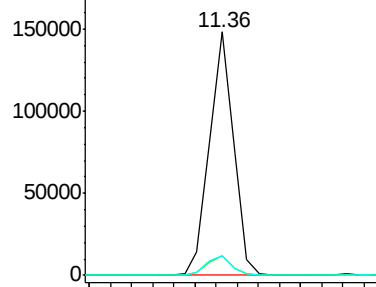
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PROS-2-E(5-6)

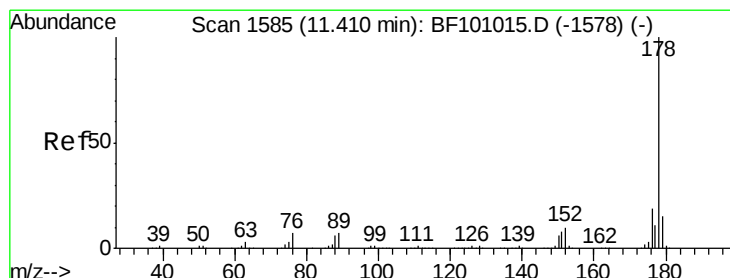
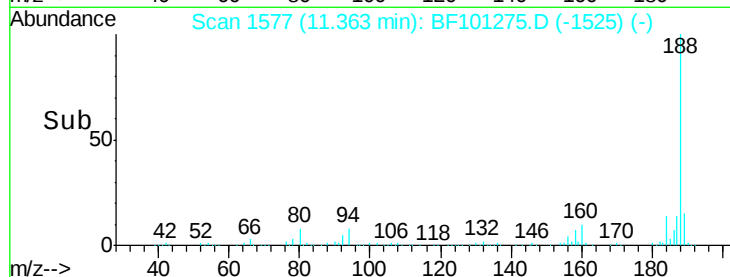
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.1	9.2	13.8#



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

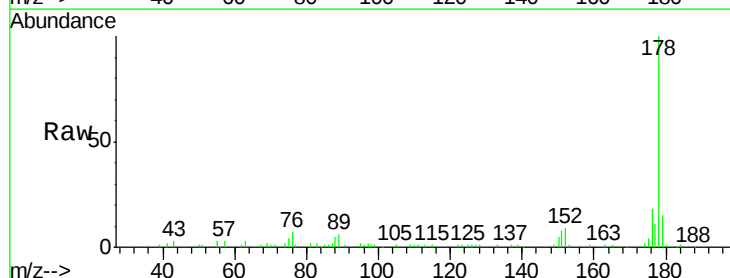


Time--> 11.30 11.35 11.40

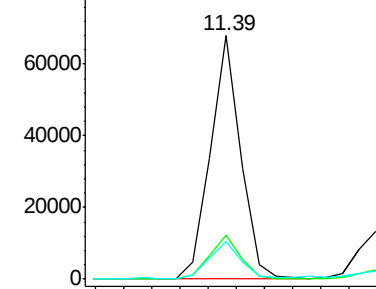


#70
Phenanthrene
Concen: 7.840 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

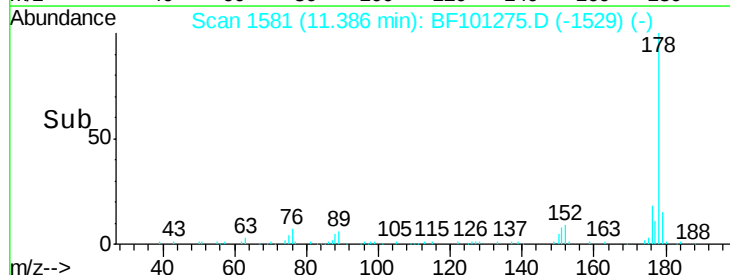
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.3	13.0	19.6

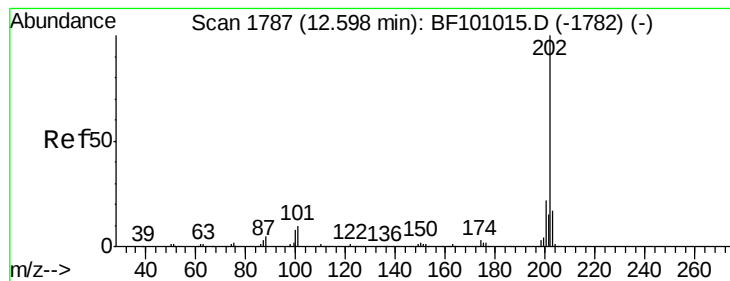


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.35 11.40





#74

Fluoranthene

Concen: 10.572 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

PROS-2-E(5-6)

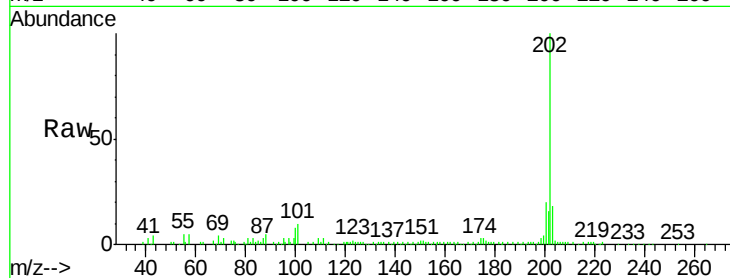
Tot Ion:202 Resp: 75158

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

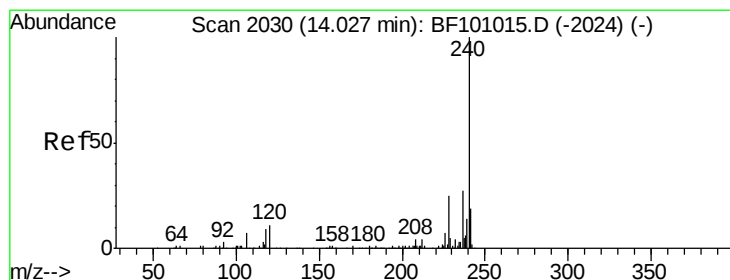
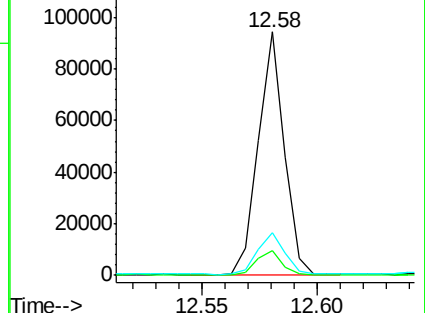
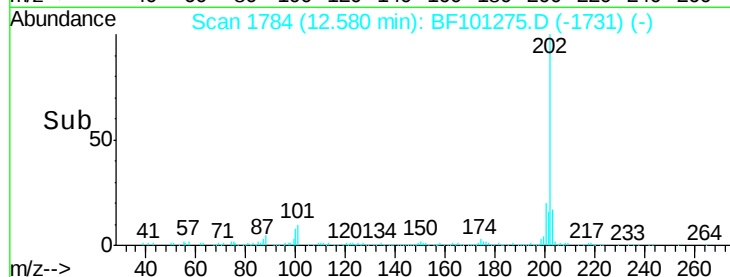
203 17.6 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

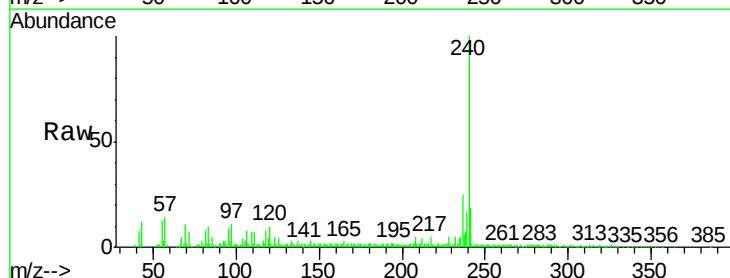
Tgt Ion:240 Resp: 85087

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

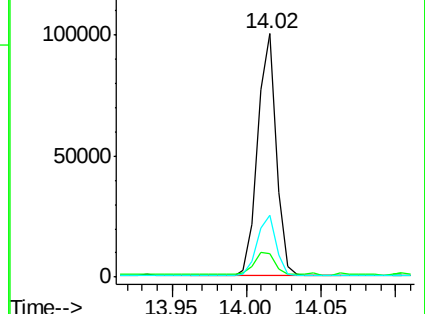
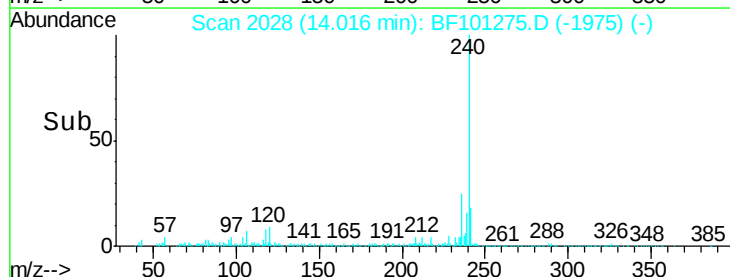
236 25.4 20.7 31.1

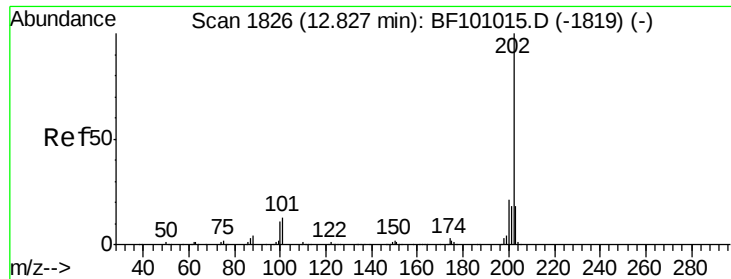


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

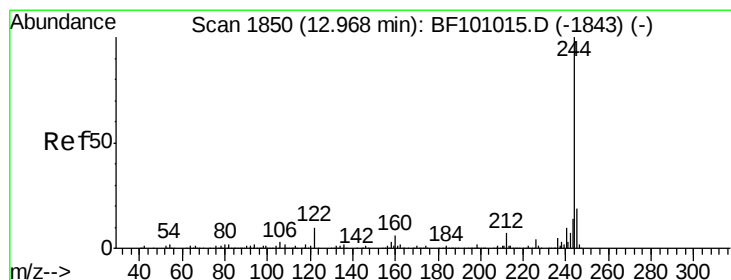
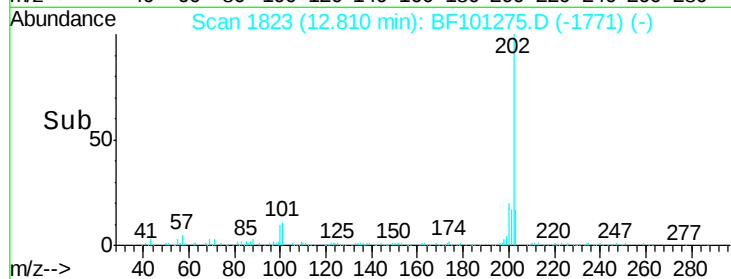
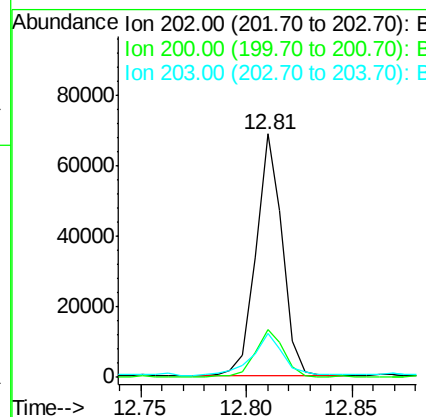
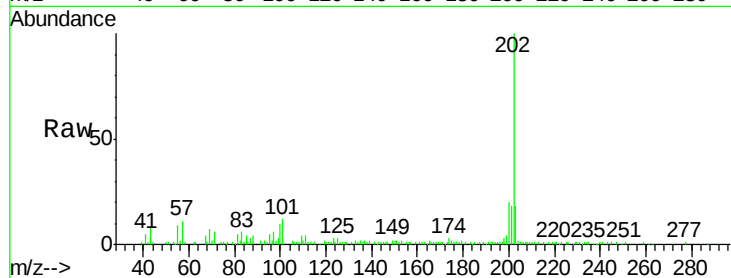




#77
Pvrene
Concen: 10.176 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

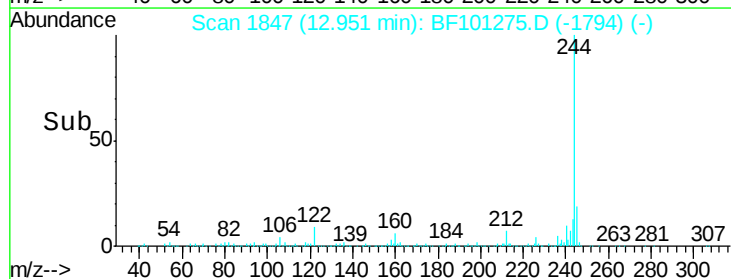
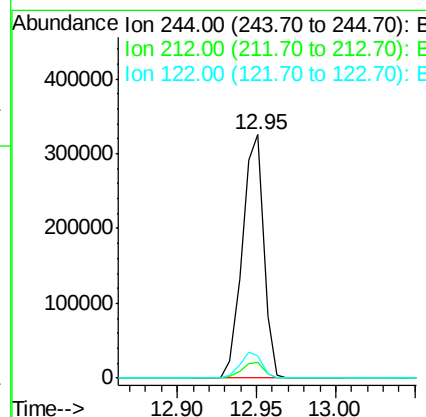
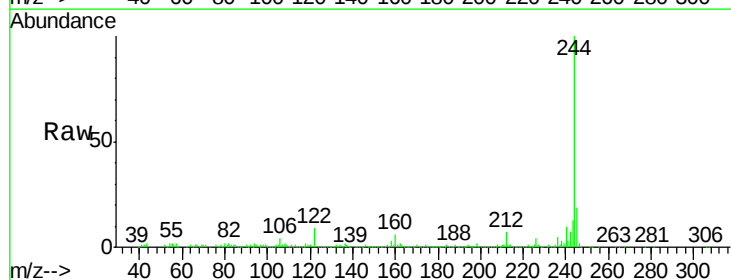
Instrument :
BNA_F
ClientSampleId :
PROS-2-E(5-6)

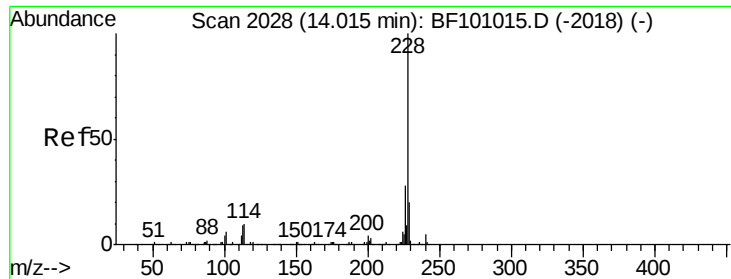
Tot Ion:202 Resp: 59744
Ion Ratio Lower Upper
202 100
200 19.8 17.4 26.2
203 18.0 14.3 21.5



#78
Terphenyl-d14
Concen: 78.425 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:244 Resp: 305081
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.3 11.0 16.4#

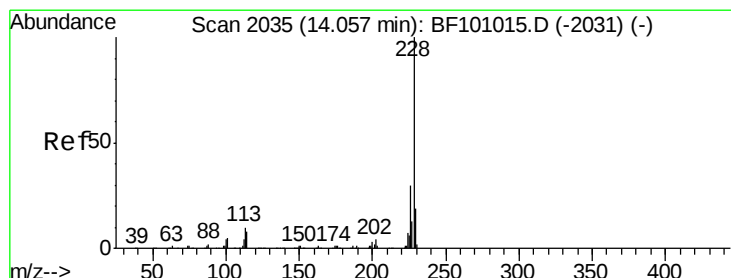
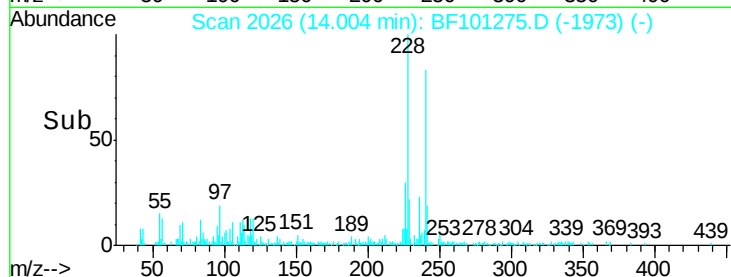
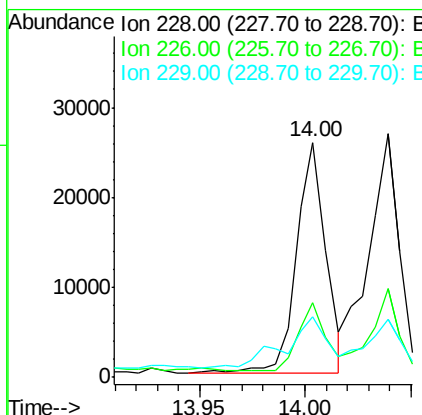
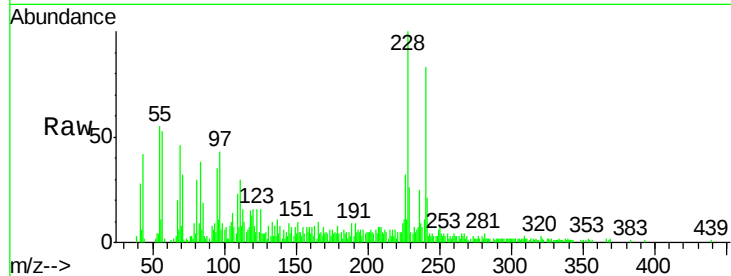




#80
Benzo(a)anthracene
Concen: 4.639 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

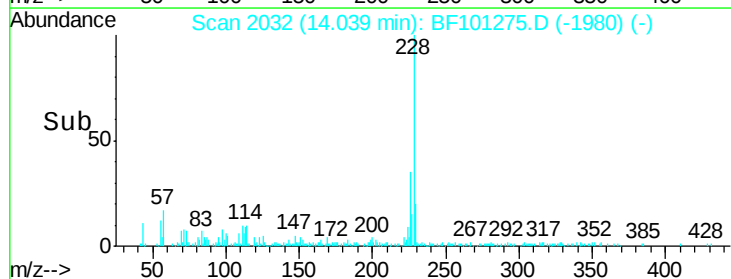
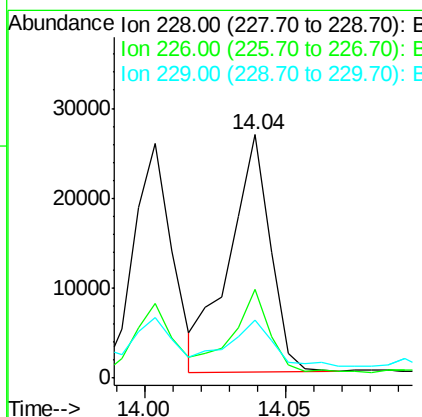
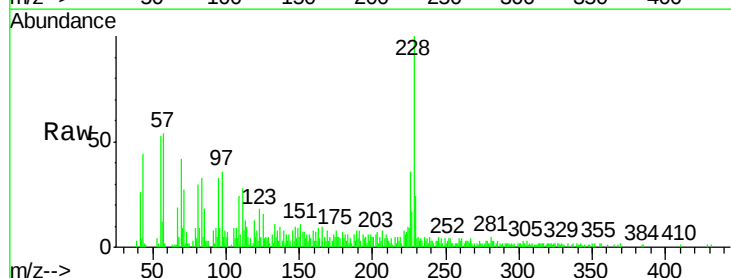
Instrument :
BNA_F
ClientSampleId :
PROS-2-E(5-6)

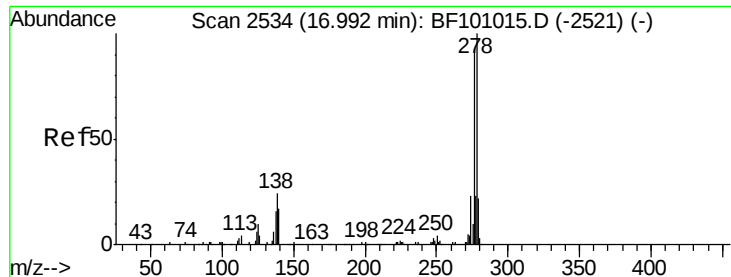
Tot Ion:228 Resp: 24924
Ion Ratio Lower Upper
228 100
226 31.6 22.6 33.8
229 25.5 15.8 23.6#



#82
Chrysene
Concen: 5.326 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:228 Resp: 26573
Ion Ratio Lower Upper
228 100
226 36.3 25.0 37.6
229 23.6 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.410 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.04 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

Instrument :

BNA_F

ClientSampleId :

PROS-2-E(5-6)

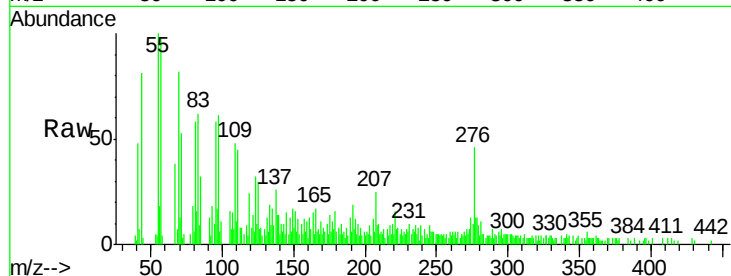
Tot Ion:276 Resp: 10692

Ion Ratio Lower Upper

276 100

138 22.5 25.0 37.6#

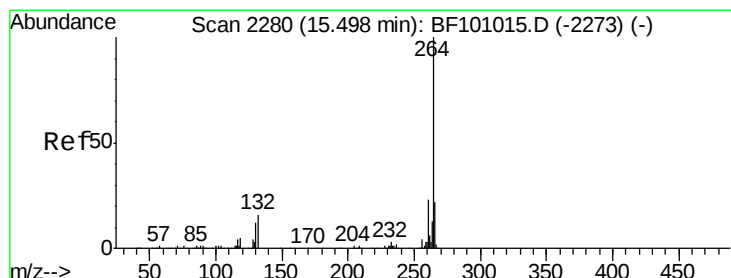
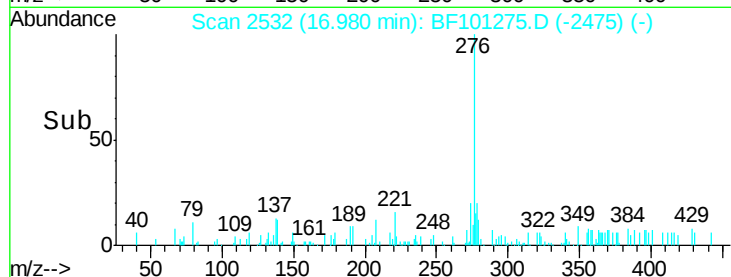
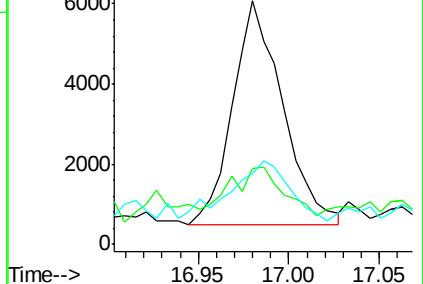
277 31.9 20.1 30.1#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.03 min

Lab File: BF101275.D

Acq: 9 Dec 2017 10:39

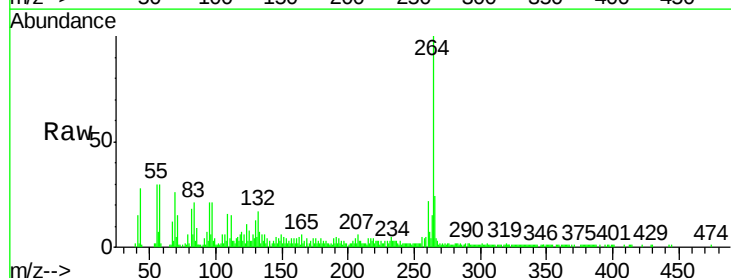
Tgt Ion:264 Resp: 64777

Ion Ratio Lower Upper

264 100

260 22.1 19.2 28.8

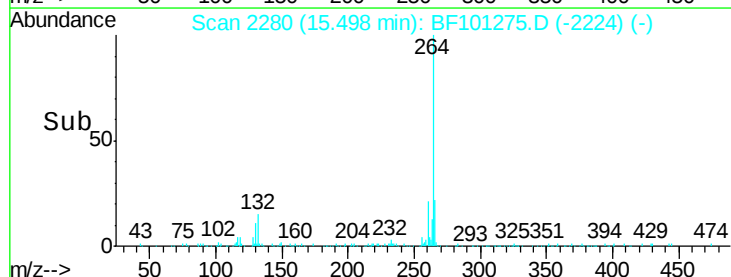
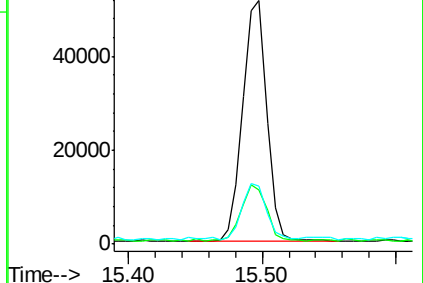
265 23.9 17.5 26.3

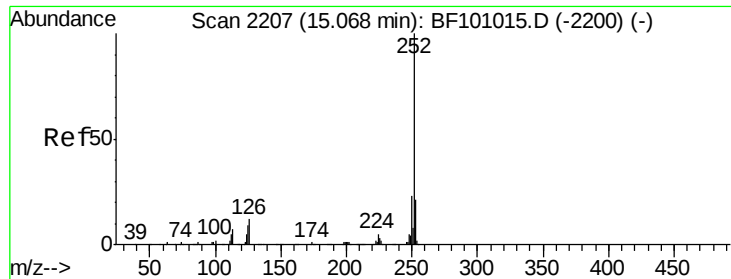


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

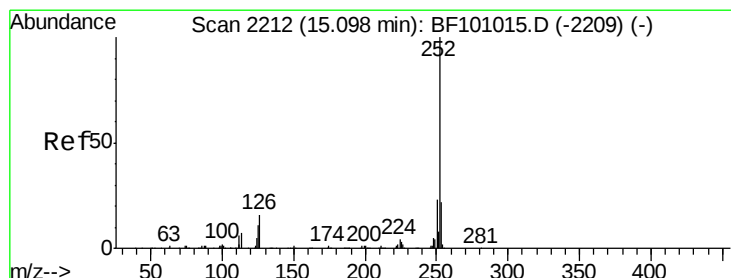
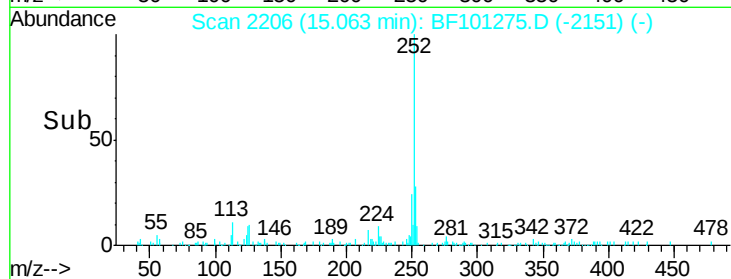
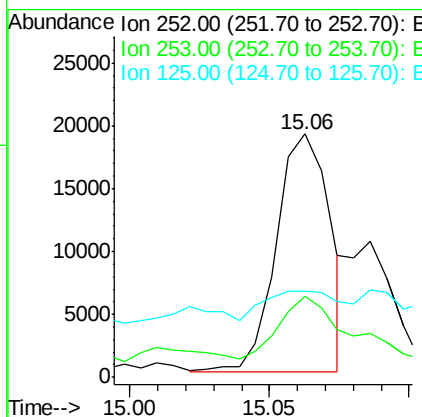
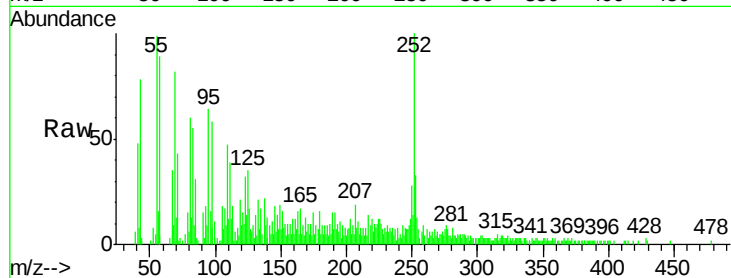




#87
Benzo(b)fluoranthene
Concen: 6.537 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.02 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

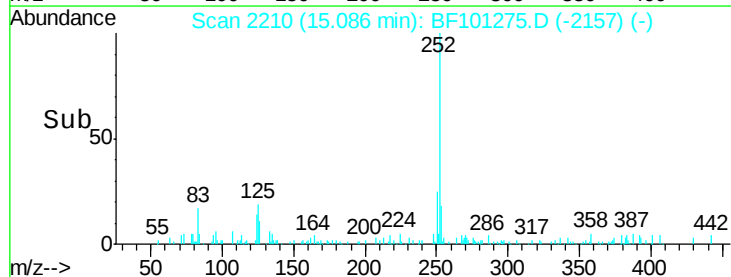
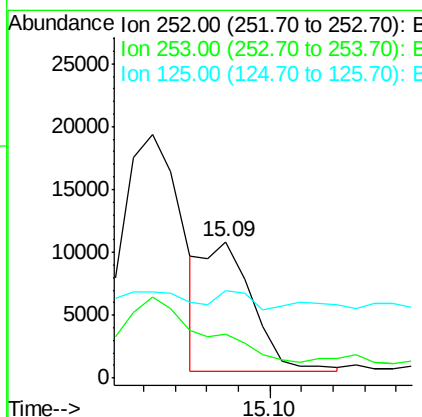
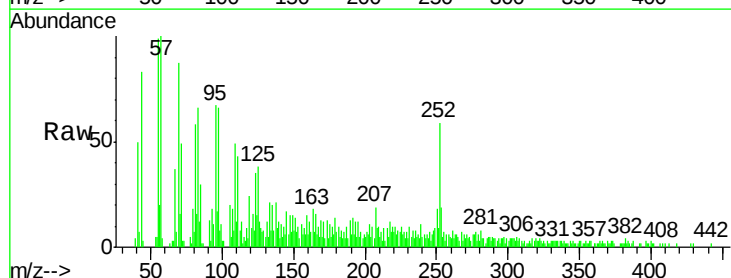
Instrument :
BNA_F
ClientSampleId :
PROS-2-E(5-6)

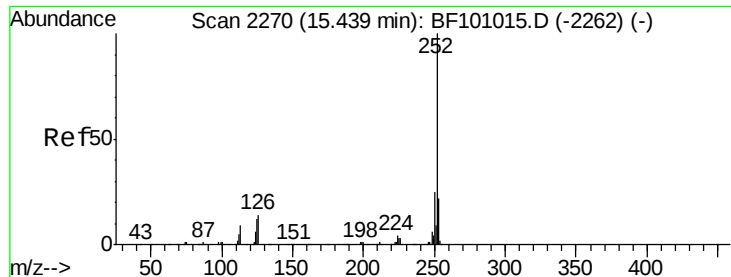
Tot Ion:252 Resp: 25364
Ion Ratio Lower Upper
252 100
253 33.2 17.0 25.6#
125 35.4 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.930 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:252 Resp: 11202
Ion Ratio Lower Upper
252 100
253 32.1 17.9 26.9#
125 63.9 10.2 15.2#

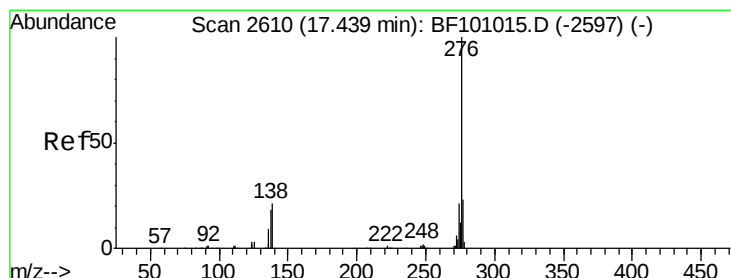
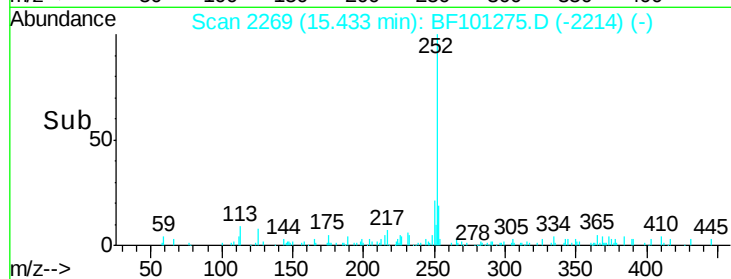
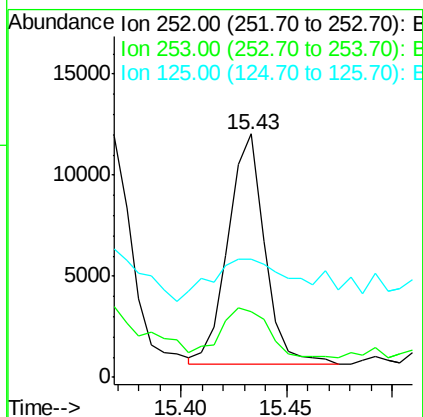
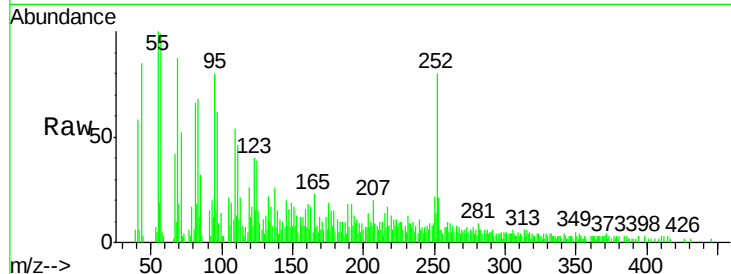




#89
Benzo(a)pyrene
Concen: 3.873 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Instrument :
BNA_F
ClientSampleId :
PROS-2-E(5-6)

Tot Ion:252 Resp: 13663
Ion Ratio Lower Upper
252 100
253 27.0 17.1 25.7#
125 48.8 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 3.605 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.05 min
Lab File: BF101275.D
Acq: 9 Dec 2017 10:39

Tgt Ion:276 Resp: 10564
Ion Ratio Lower Upper
276 100
277 31.9 17.9 26.9#
138 31.8 21.8 32.8

