

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110427.D
 Acq On : 2 Nov 2018 22:19
 Operator : JU/SJ
 Sample : J5759-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:52:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	85568	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	335279	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	130426	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	209993	20.00	ng	0.00
76) Chrysene-d12	14.13	240	168955	20.00	ng	0.00
87) Perylene-d12	15.66	264	118869	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	175892	33.47	ng	0.00
7) Phenol-d6	6.57	99	232957	34.66	ng	-0.01
23) Nitrobenzene-d5	7.52	82	133584	23.63	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	32236	24.95	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	245302	29.53	ng	0.00
79) Terphenyl-d14	13.07	244	192134	23.65	ng	0.00

Target Compounds

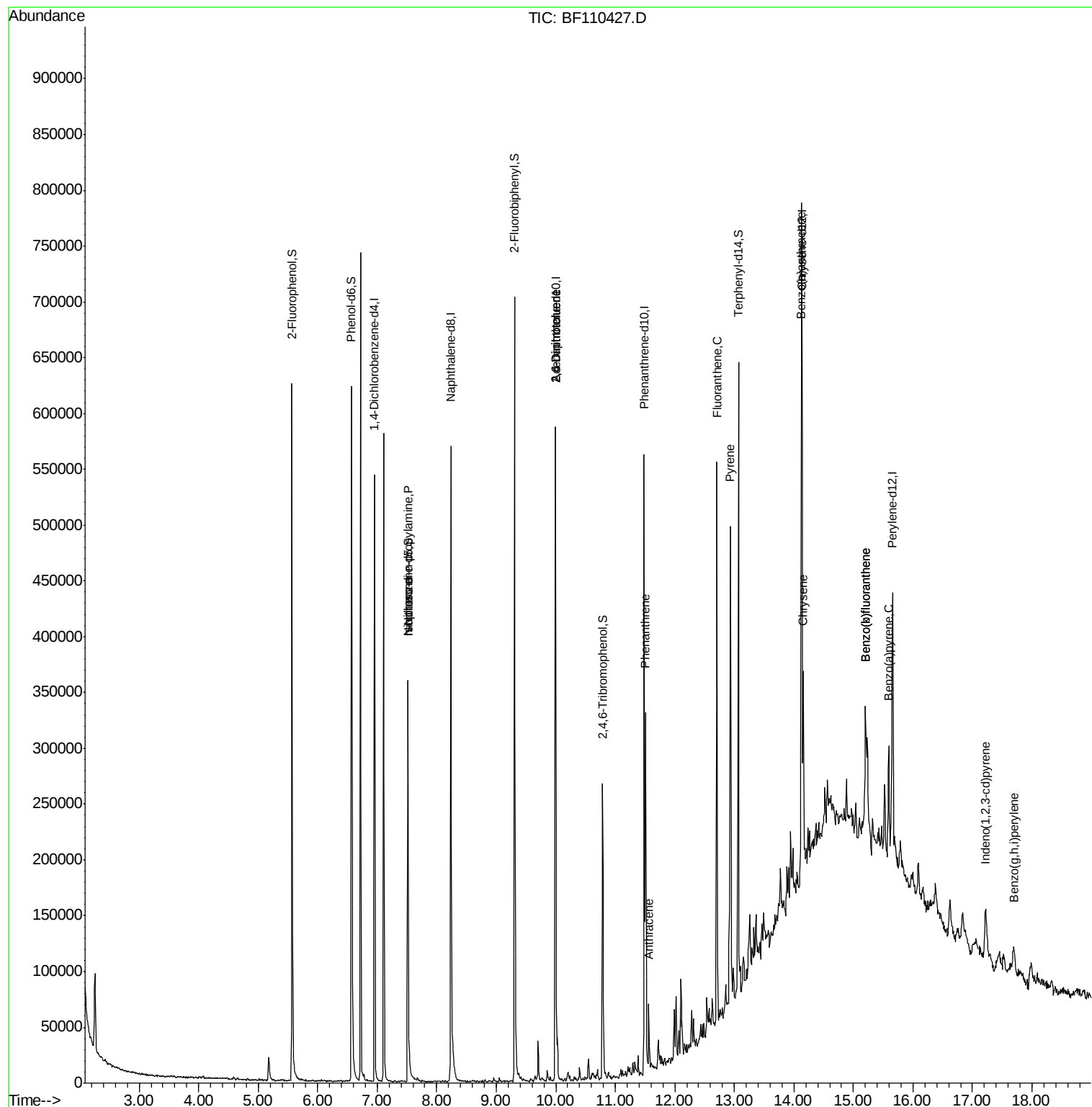
						Qvalue
9) Benzaldehyde	6.57	77	329	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.52	70	17160	3.980 ng	#	82
25) Isophorone	7.52	82	133583	13.863 ng	#	67
51) 2,6-Dinitrotoluene	10.00	165	16830	8.115 ng	#	22
57) 2,4-Dinitrotoluene	10.00	165	16830	6.389 ng	#	19
71) Phenanthrene	11.51	178	121592	11.066 ng		99
72) Anthracene	11.57	178	30450	2.765 ng		98
75) Fluoranthene	12.70	202	189081	16.956 ng		99
77) Benzidine	13.07	184	2876	Below Cal	#	84
78) Pyrene	12.93	202	184725	15.251 ng		97
81) Benzo(a)anthracene	14.12	228	82396	8.224 ng		99
83) Chrysene	14.16	228	72309	7.598 ng		96
86) Indeno(1,2,3-cd)pyrene	17.22	276	24362	3.086 ng	#	88
88) Benzo(b)fluoranthene	15.20	252	89015	12.968 ng	#	93
89) Benzo(k)fluoranthene	15.20	252	89015	13.191 ng	#	92
90) Benzo(a)pyrene	15.59	252	46240	7.321 ng	#	92
92) Benzo(a,h,i)perylene	17.70	276	23536	4.382 ng	#	85

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

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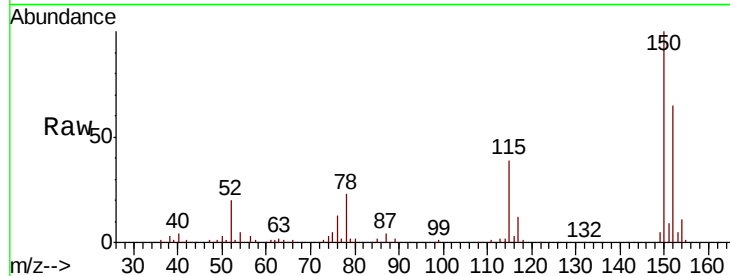




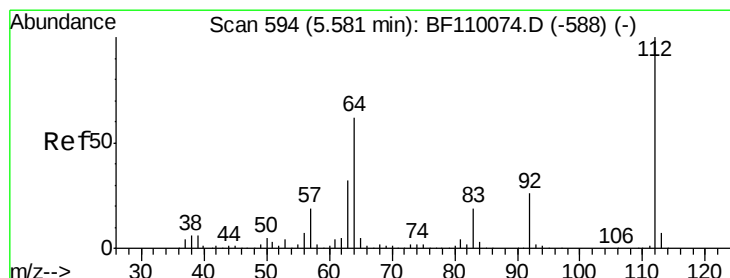
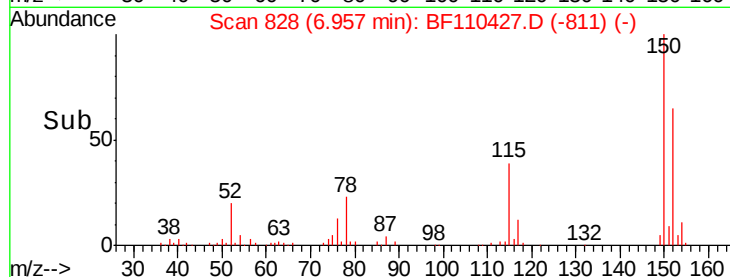
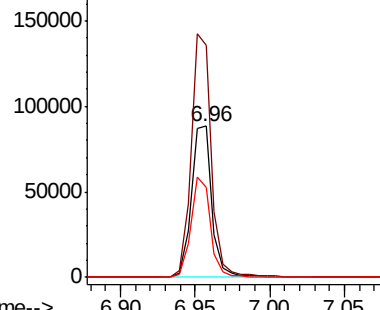
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 85568
 Ion Ratio Lower Upper
 152 100
 150 153.7 122.7 184.1
 115 59.9 49.1 73.7

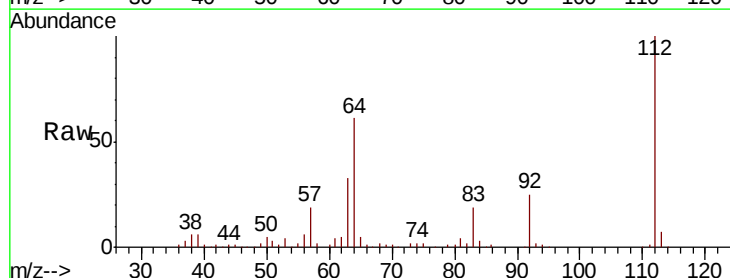


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

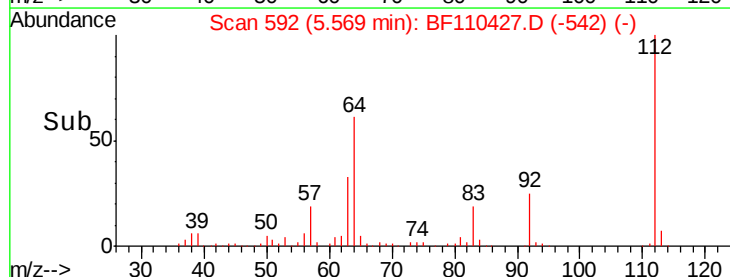
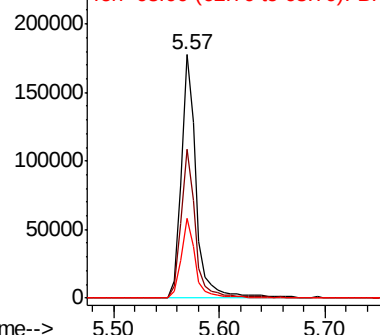


#5
 2-Fluorophenol
 Concen: 33.474 ng
 RT: 5.57 min Scan# 592
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Tgt Ion:112 Resp: 175892
 Ion Ratio Lower Upper
 112 100
 64 61.3 44.1 66.1
 63 32.6 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: 34.661 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Instrument :

BNA_F

ClientSampled :

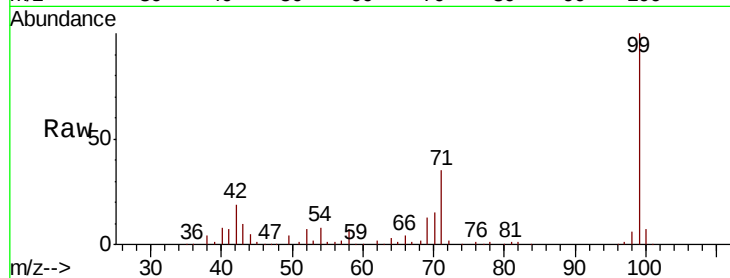
Tot Ion: 99 Resp: 232957

Ion Ratio Lower Upper

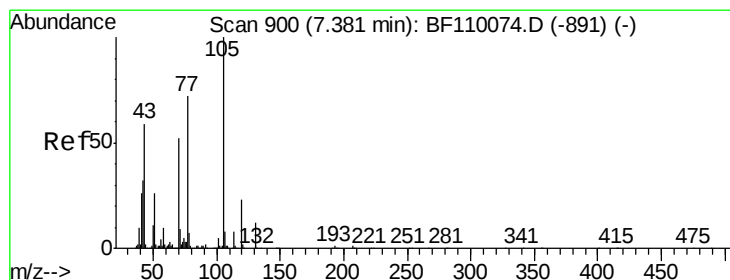
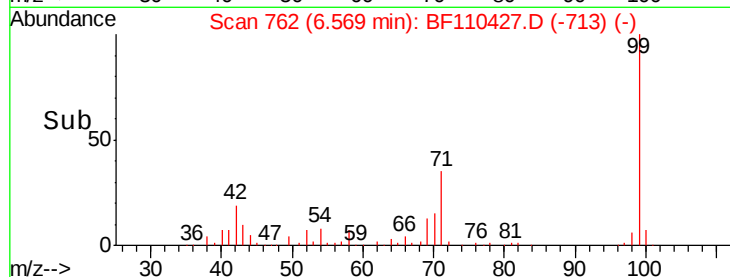
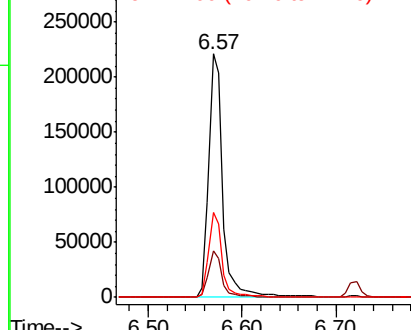
99 100

42 18.9 15.8 23.6

71 34.7 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.980 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Tgt Ion: 70 Resp: 17160

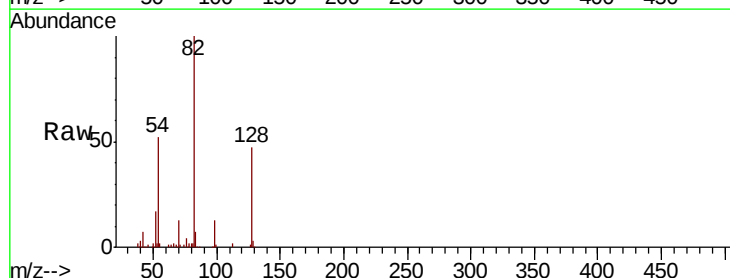
Ion Ratio Lower Upper

70 100

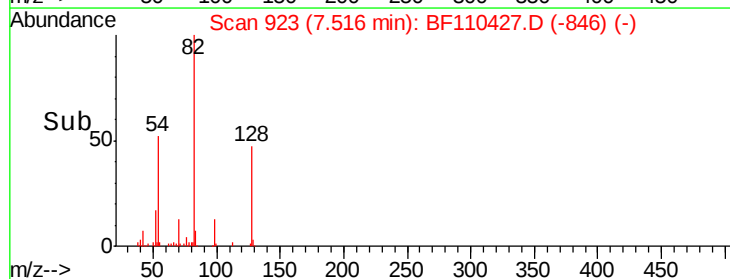
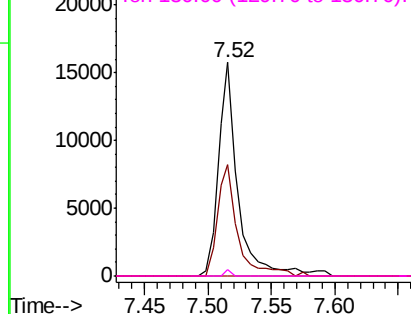
42 52.1 47.4 71.2

101 0.0 7.3 10.9#

130 2.9 16.2 24.2#



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): E
Ion 130.00 (129.70 to 130.70): E

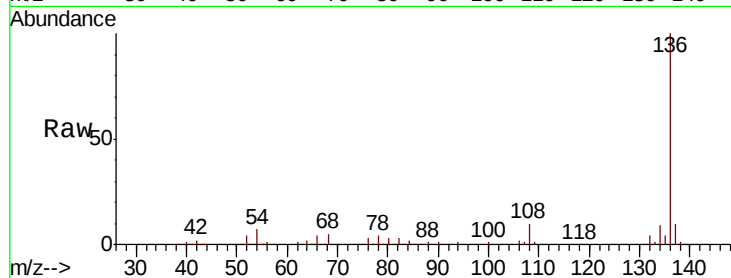




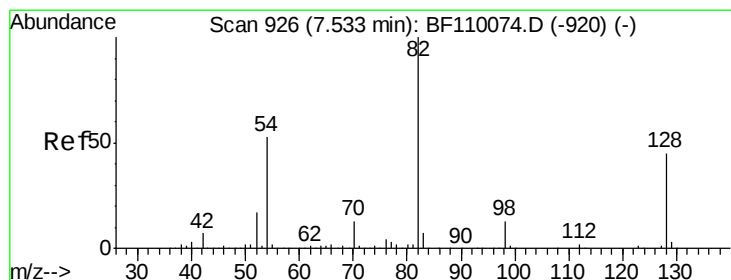
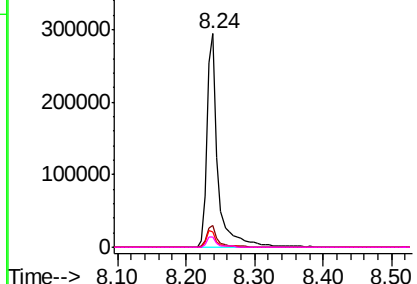
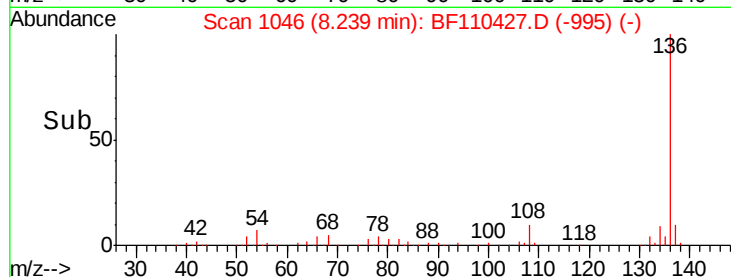
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 335279
Ion Ratio Lower Upper
136 100
137 10.1 8.8 13.2
54 7.1 5.4 8.2
68 4.9 4.2 6.2

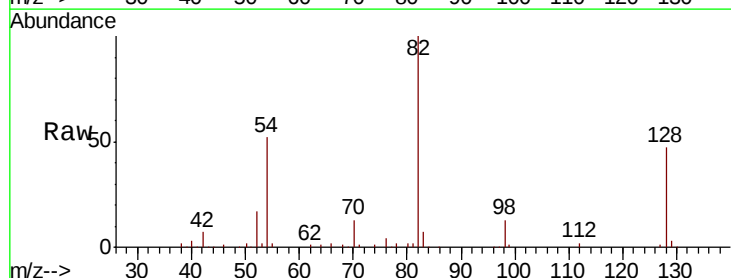


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

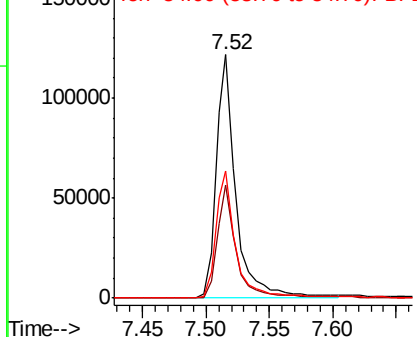
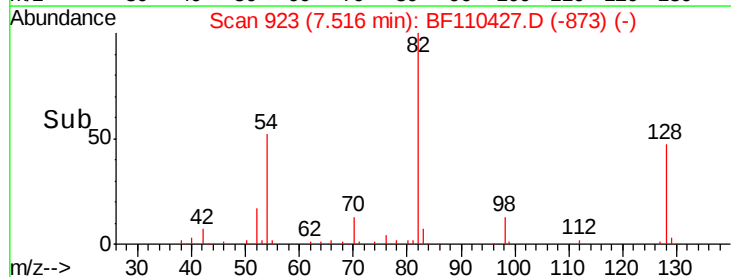


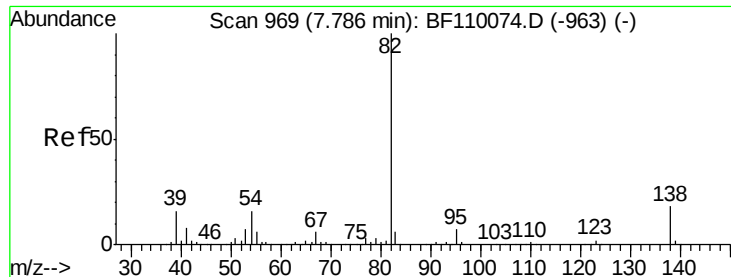
#23
Nitrobenzene-d5
Concen: 23.632 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion: 82 Resp: 133584
Ion Ratio Lower Upper
82 100
128 46.6 34.2 51.2
54 52.3 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.863 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.26 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Instrument :

BNA_F

ClientSampleId :

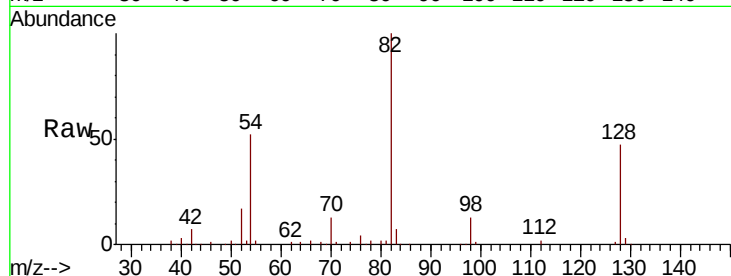
Tot Ion: 82 Resp: 133583

Ion Ratio Lower Upper

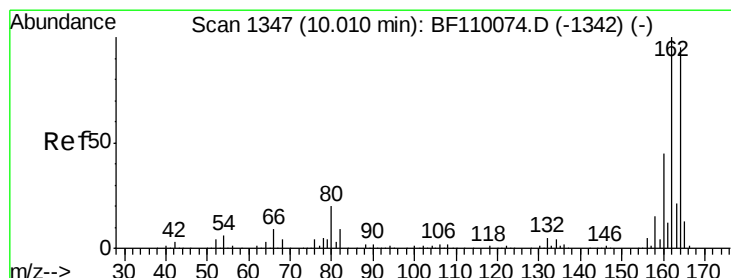
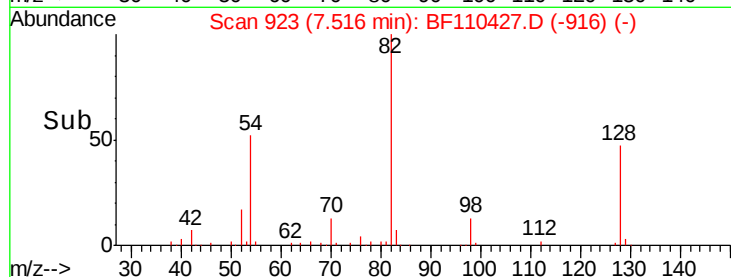
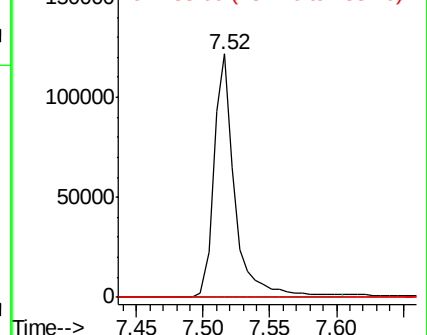
82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#



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: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

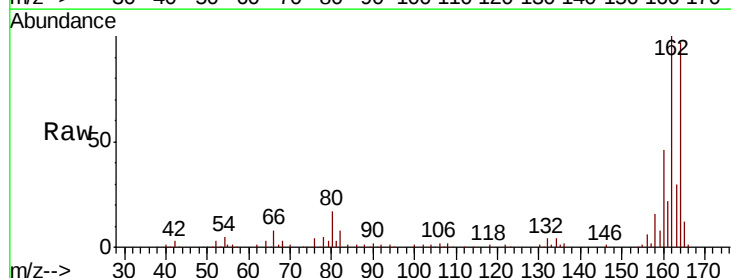
Tgt Ion:164 Resp: 130426

Ion Ratio Lower Upper

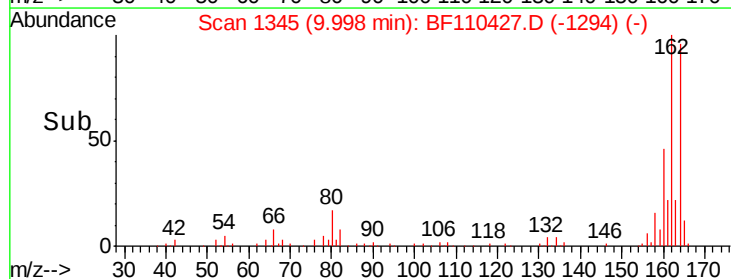
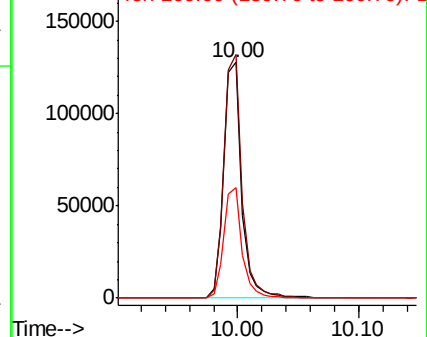
164 100

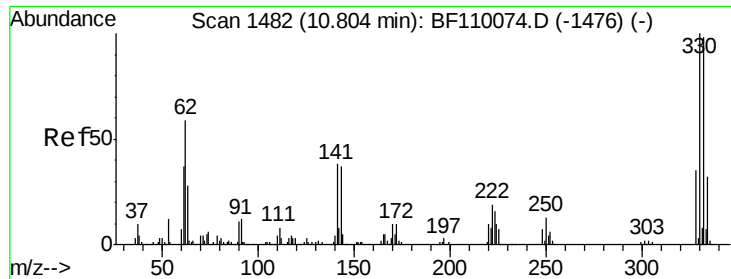
162 103.4 83.0 124.6

160 47.1 37.0 55.6



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

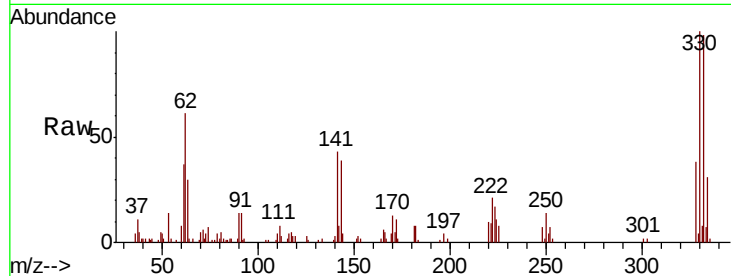




#42
 2,4,6-Tribromophenol
 Concen: 24.951 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.1	115.7
141	39.1	27.0	40.4

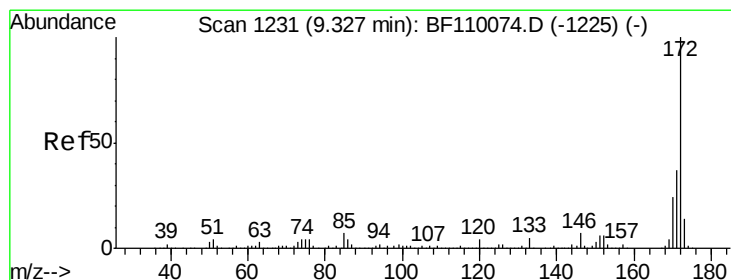
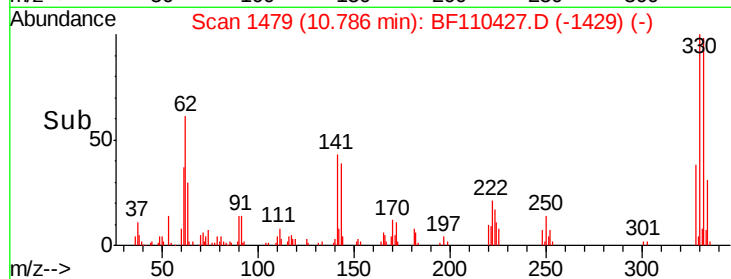
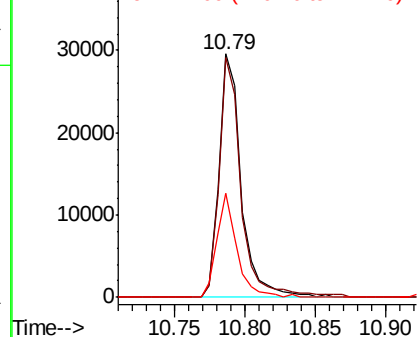


Abundance

Ion 329.80 (329.50 to 330.50): E

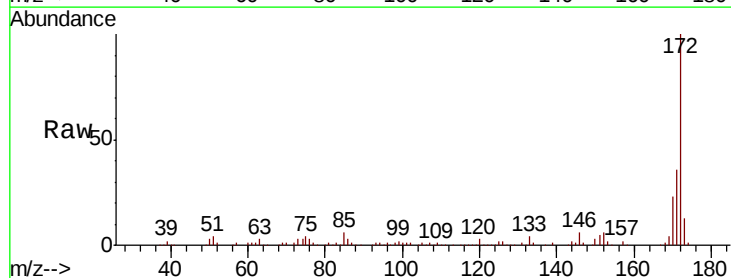
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 29.533 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	22.7	19.7	29.5

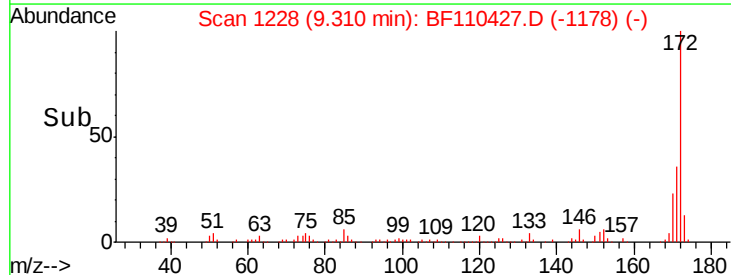
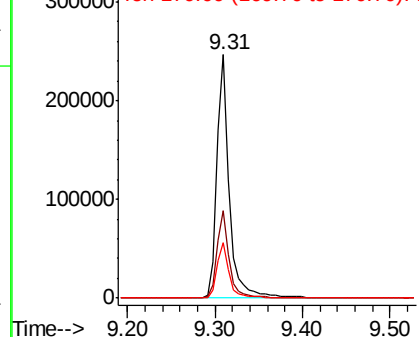


Abundance

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

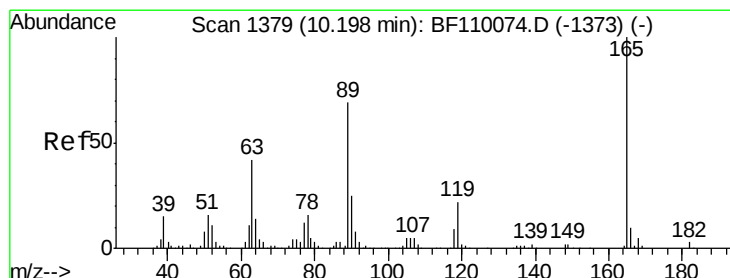
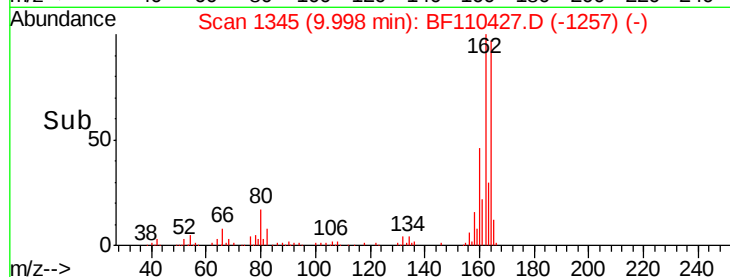
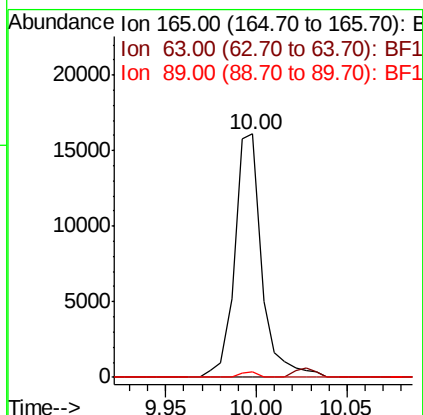
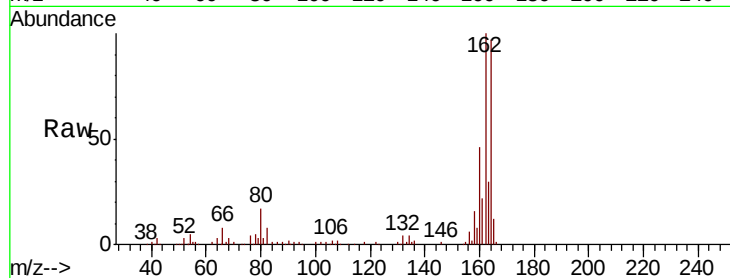




#51
2,6-Dinitrotoluene
Concen: 8.115 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.22 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

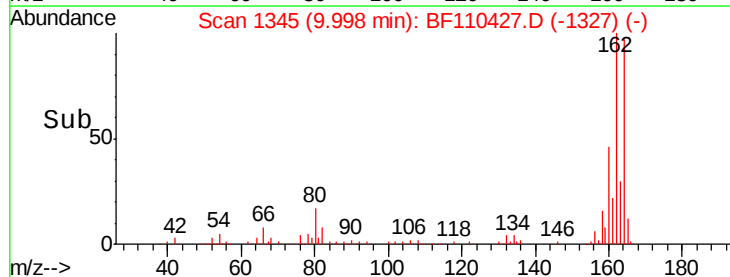
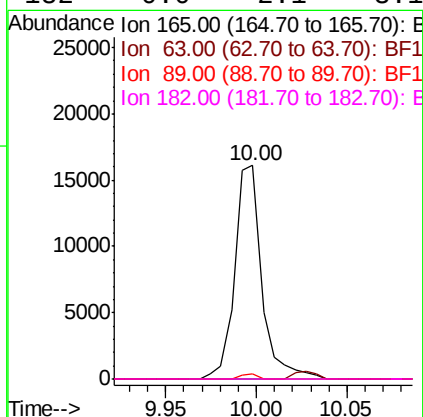
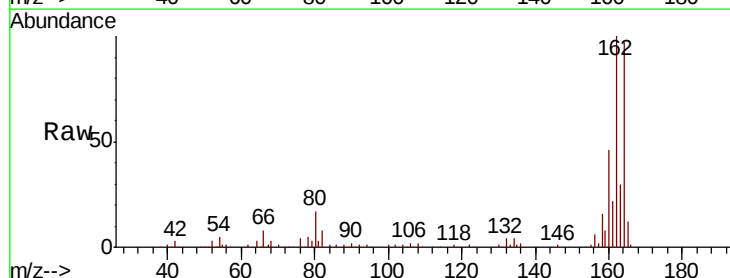
Instrument :
BNA_F
ClientSampleId :

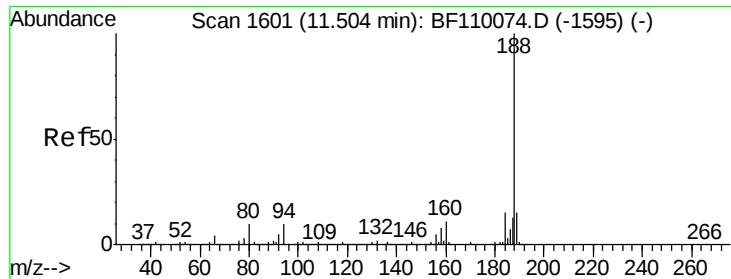
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	2.2	46.6	69.8#



#57
2,4-Dinitrotoluene
Concen: 6.389 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.19 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	2.2	62.2	93.4#
182	0.0	2.1	3.1#

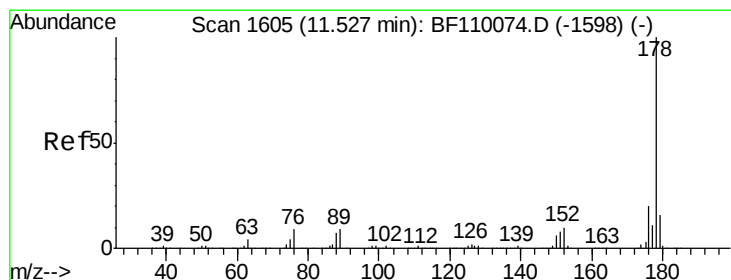
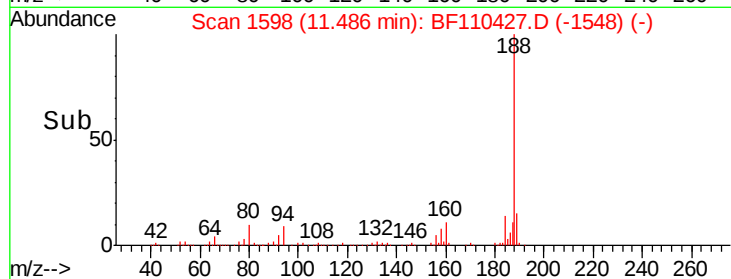
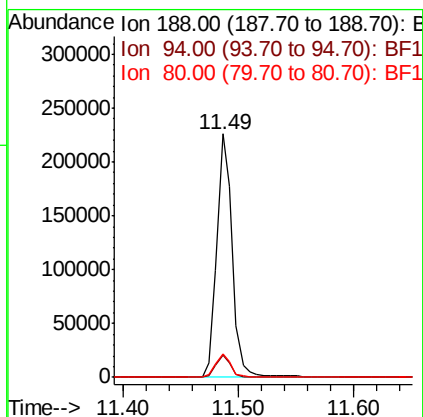
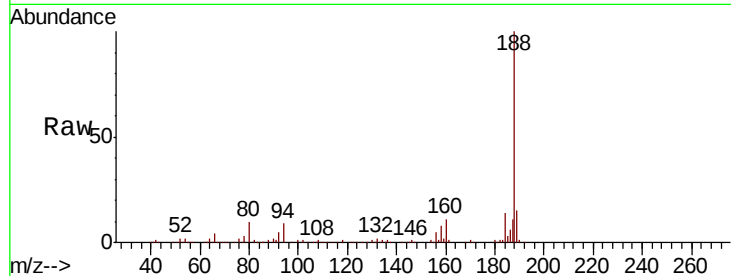




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

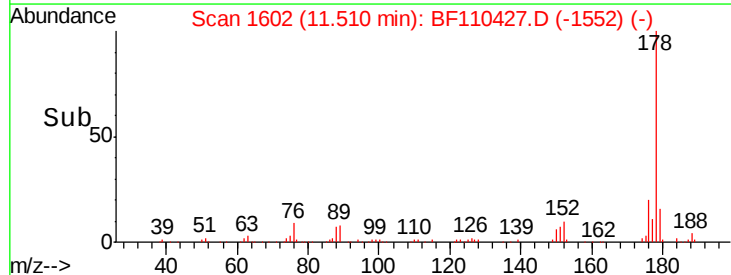
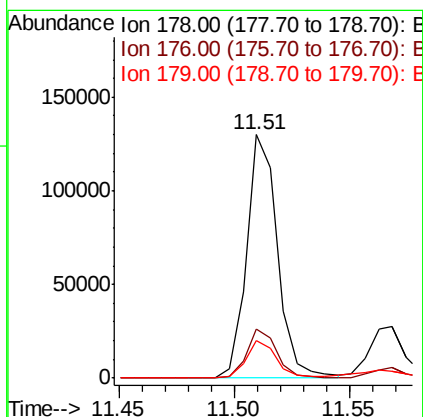
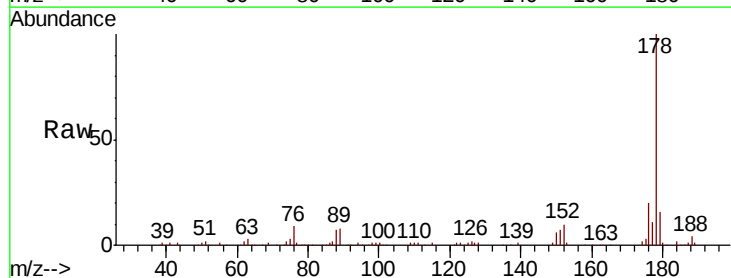
Instrument :
BNA_F
ClientSampleId :

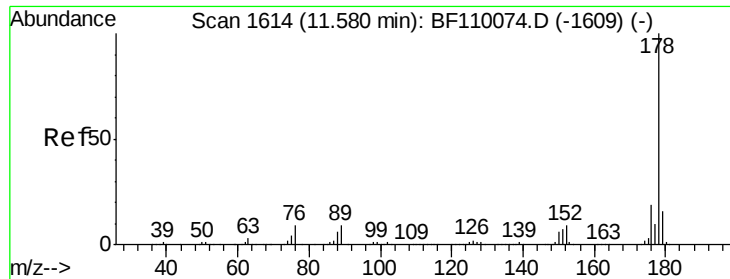
Tot Ion:188 Resp: 209993
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.8 7.9 11.9



#71
Phenanthrene
Concen: 11.066 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion:178 Resp: 121592
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.6 12.5 18.7





#72

Anthracene

Concen: 2.765 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

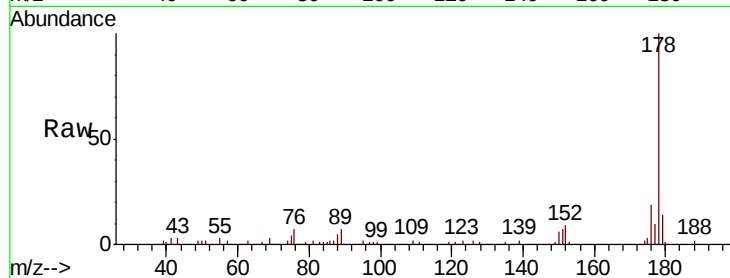
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 30450

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	13.7	12.6	18.8

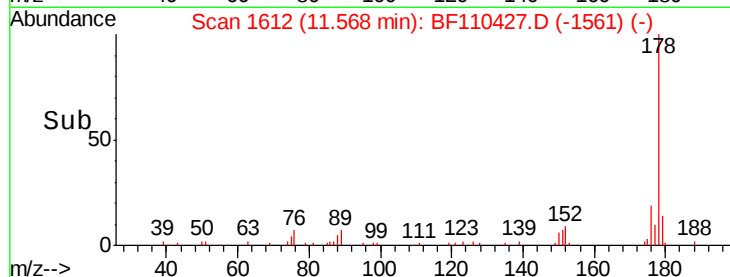


Abundance

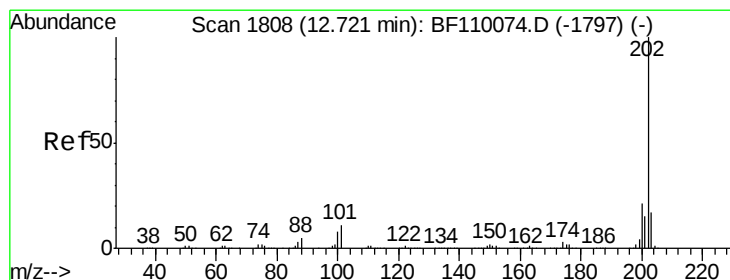
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.50 11.55 11.60 11.65



#75

Fluoranthene

Concen: 16.956 ng

RT: 12.70 min Scan# 1805

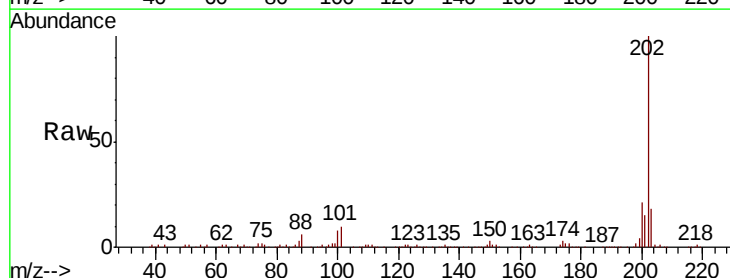
Delta R.T. -0.01 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Tgt Ion:202 Resp: 189081

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	18.0	0.0	37.7

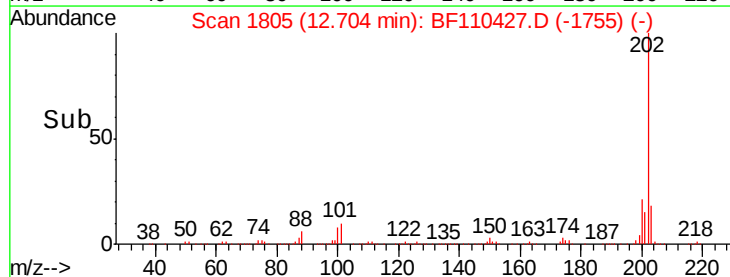


Abundance

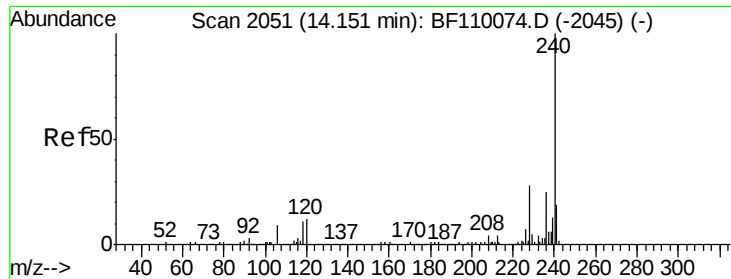
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



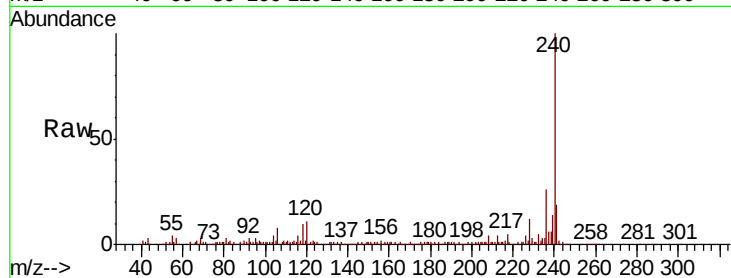
Time--> 12.65 12.70 12.75



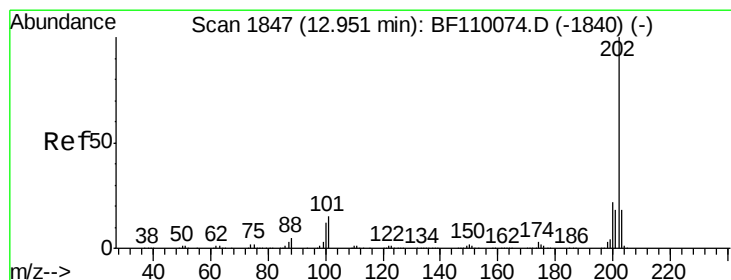
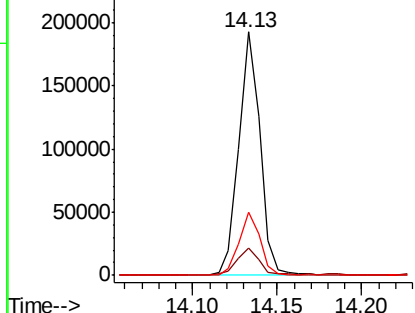
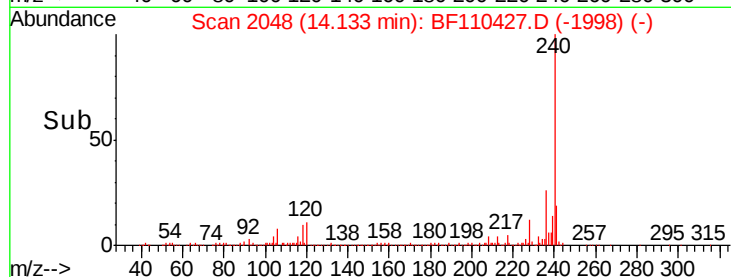
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 168955
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 25.8 21.2 31.8

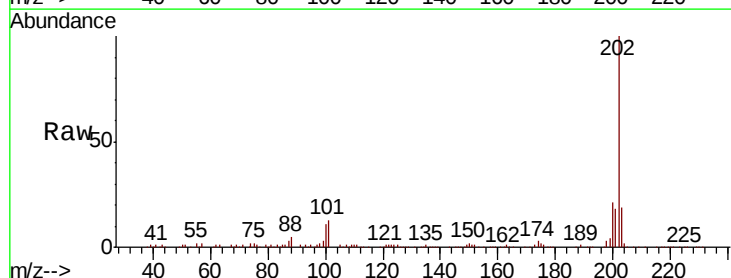


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

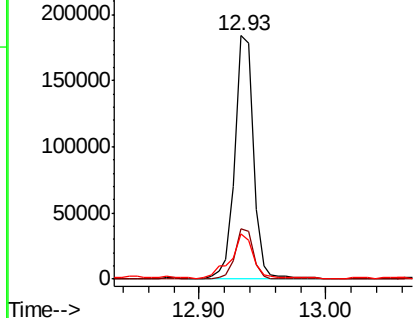
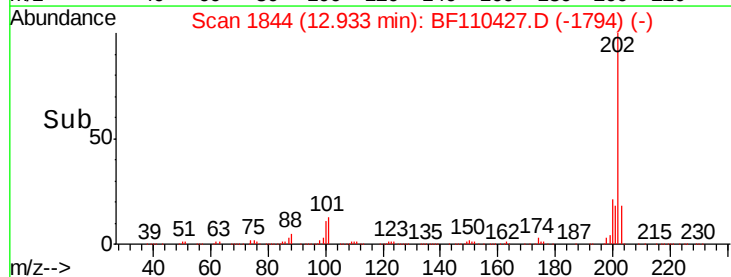


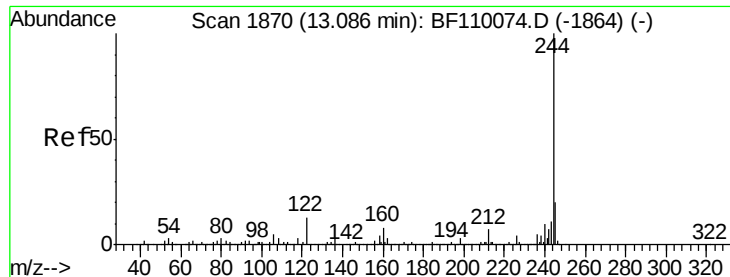
#78
Pyrene
Concen: 15.251 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion:202 Resp: 184725
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 18.8 14.2 21.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

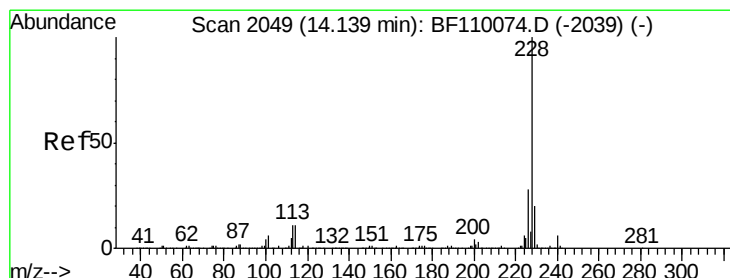
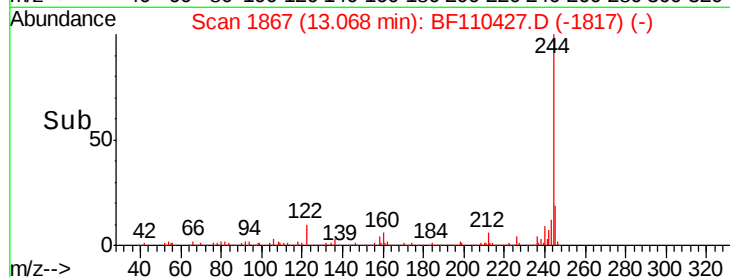
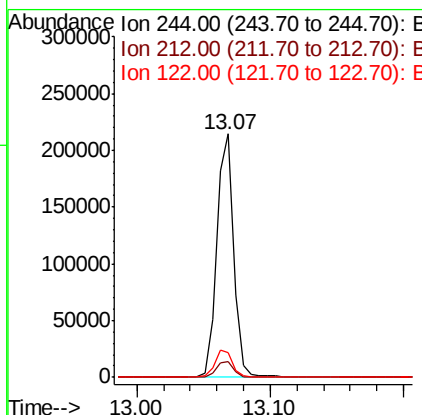
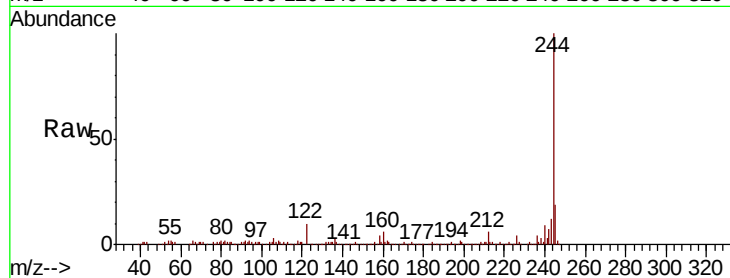




#79
 Terphenyl-d14
 Concen: 23.650 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

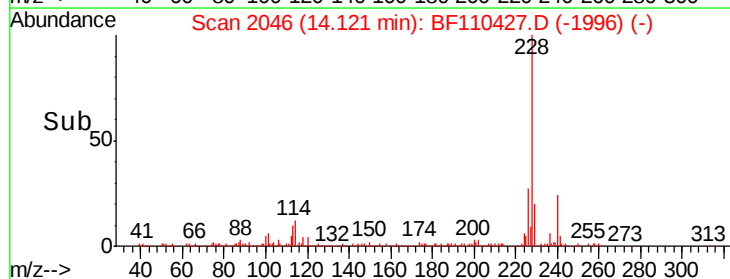
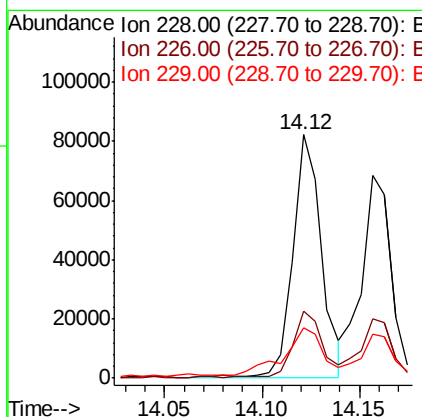
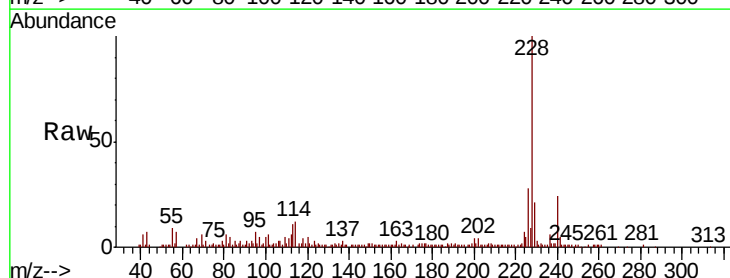
Instrument :
 BNA_F
 ClientSampled :

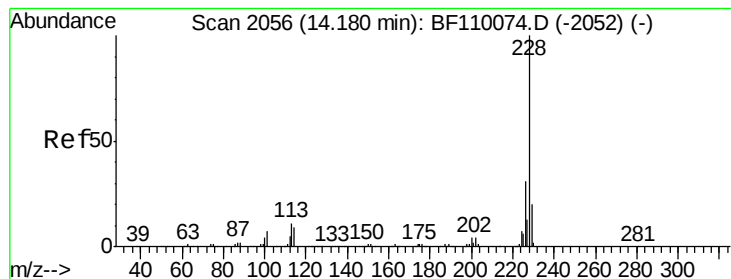
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	10.0	8.7	13.1



#81
 Benzo(a)anthracene
 Concen: 8.224 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.9	15.6	23.4





#83

Chrysene

Concen: 7.598 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

Instrument :

BNA_F

ClientSampled :

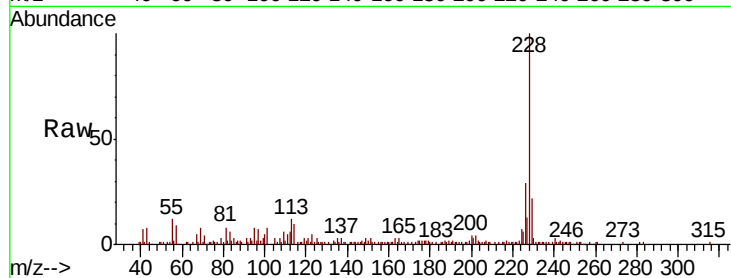
Tot Ion:228 Resp: 72309

Ion Ratio Lower Upper

228 100

226 29.2 24.7 37.1

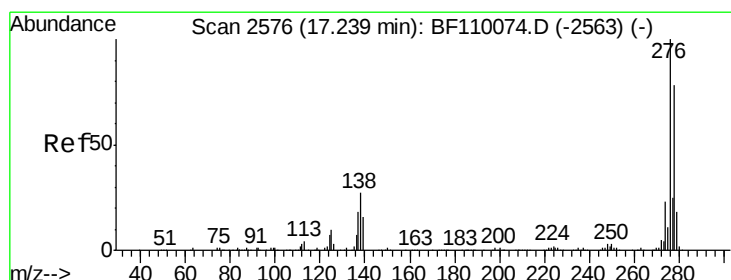
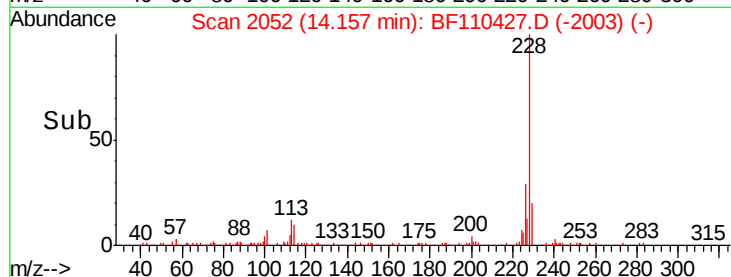
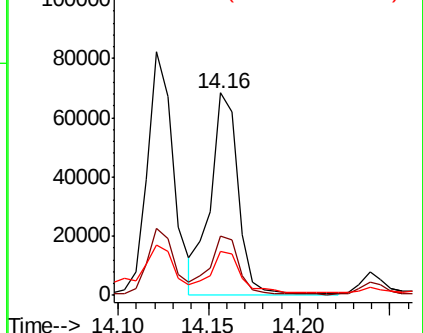
229 21.8 15.9 23.9



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: 3.086 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.01 min

Lab File: BF110427.D

Acq: 2 Nov 2018 22:19

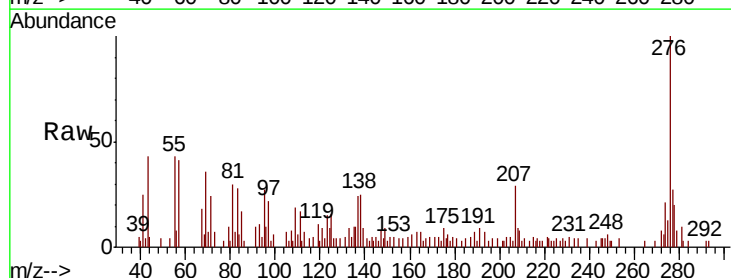
Tgt Ion:276 Resp: 24362

Ion Ratio Lower Upper

276 100

138 29.5 18.5 27.7#

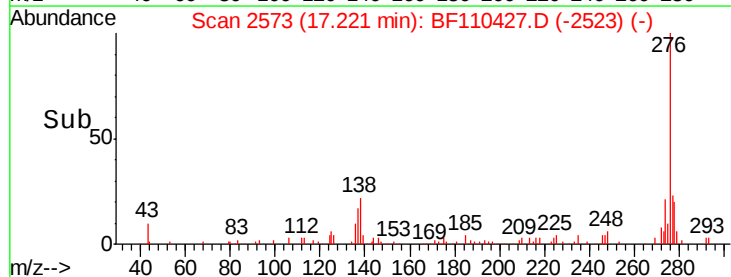
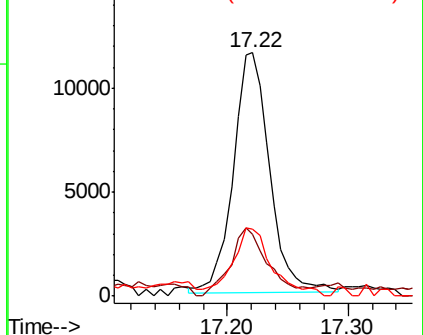
277 30.7 20.0 30.0#

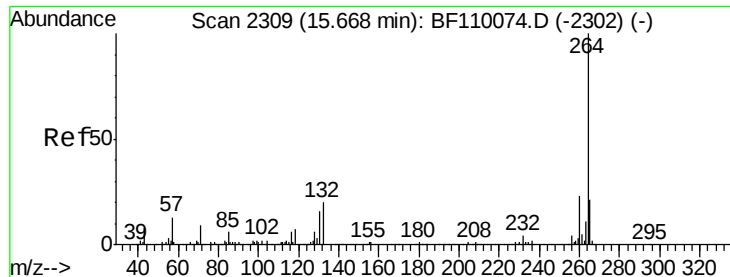


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

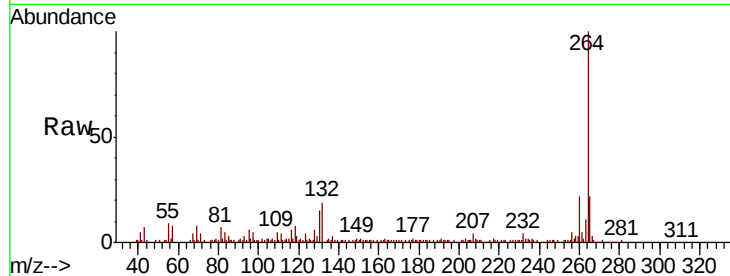




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.7	28.1
265	21.7	16.7	25.1

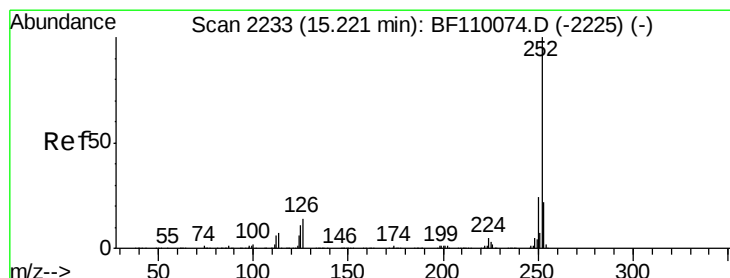
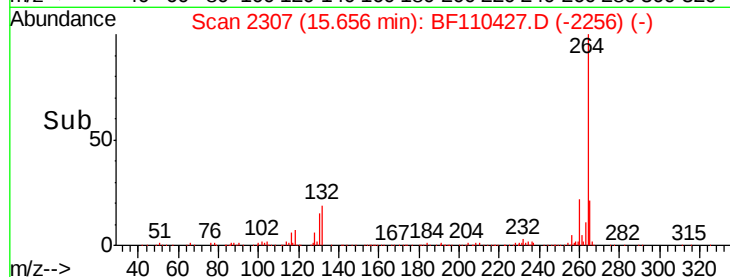
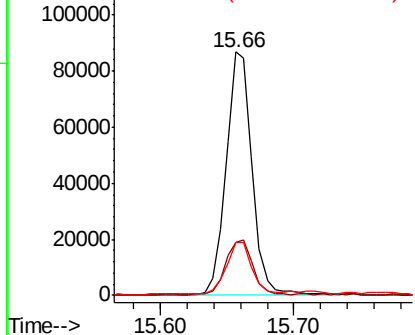


Abundance

Ion 264.00 (263.70 to 264.70): E

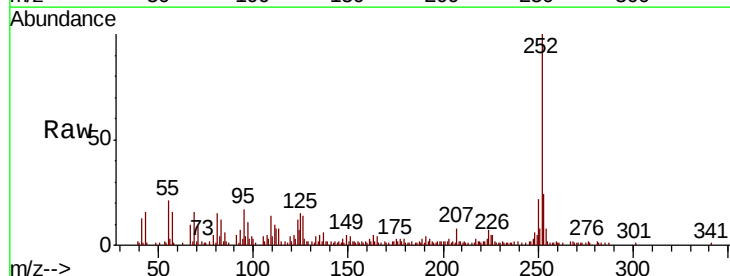
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 12.968 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	15.0	8.2	12.4

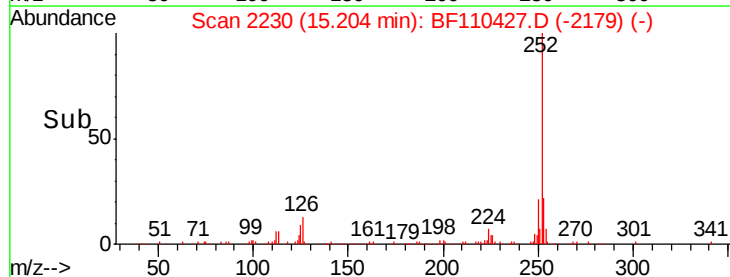
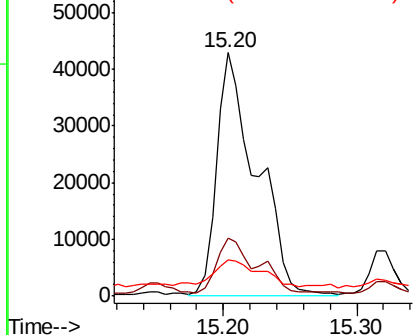


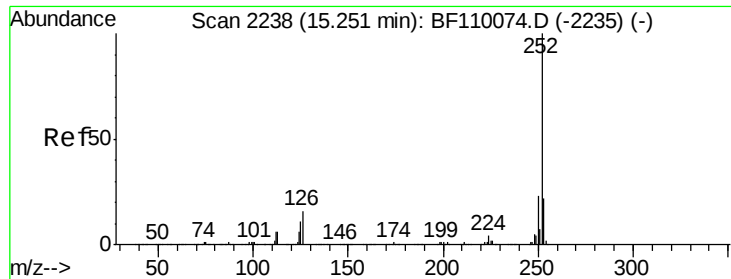
Abundance

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

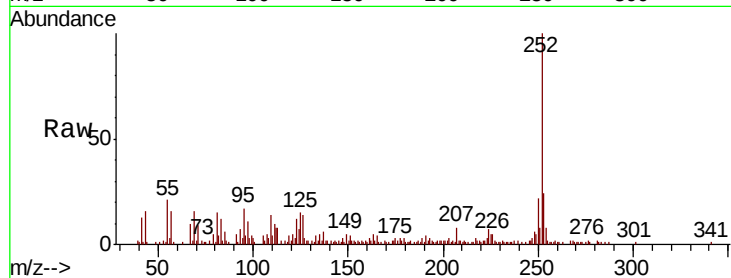




#89
Benzo(k)fluoranthene
Concen: 13.191 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	15.0	7.4	11.0

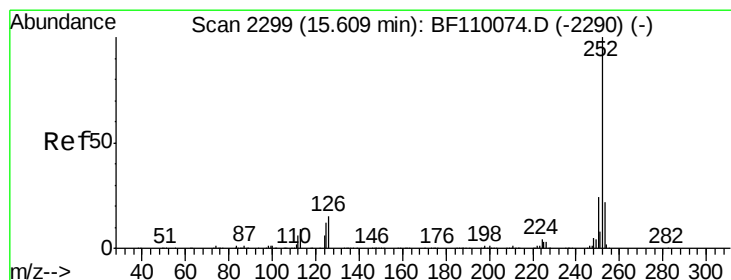
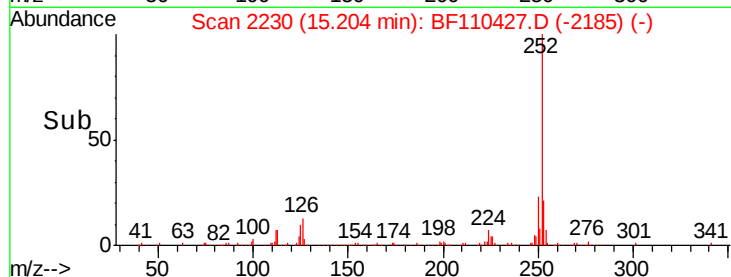
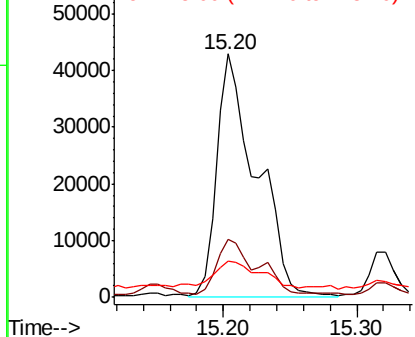


Abundance

Ion 252.00 (251.70 to 252.70): E

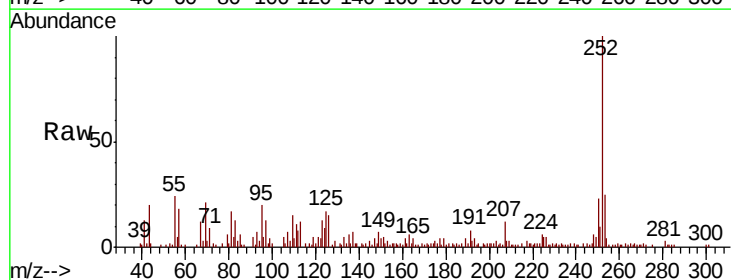
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 7.321 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BF110427.D
Acq: 2 Nov 2018 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.4
125	17.2	9.0	13.6

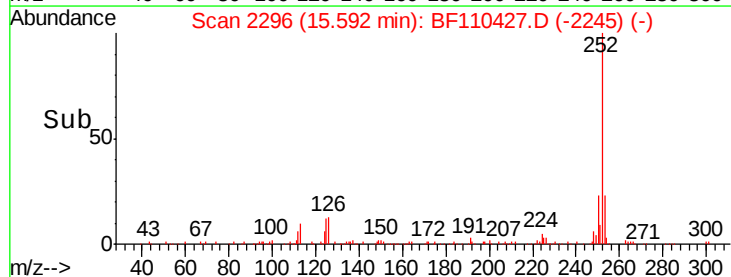
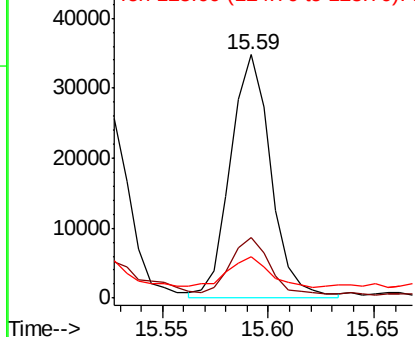


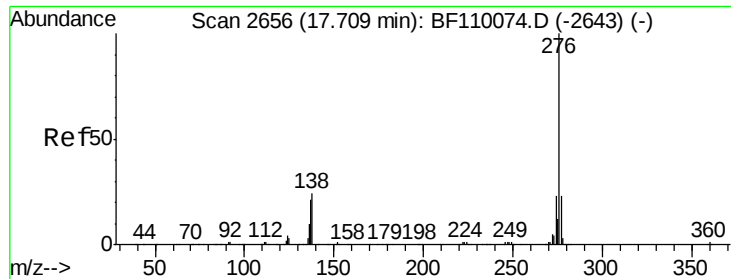
Abundance

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





#92
 Benzo(a,h,i)perylene
 Concen: 4.382 ng
 RT: 17.70 min Scan# 2654
 Delta R.T. -0.01 min
 Lab File: BF110427.D
 Acq: 2 Nov 2018 22:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.9	18.8	28.2	
138	32.0	16.0	24.0	

