

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111897.D
 Acq On : 8 Jan 2019 00:42
 Operator : JU/SJ
 Sample : K1012-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 08 04:07:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	138095	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	385985	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	175699	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	339718	20.00	ng	0.00
76) Chrysene-d12	14.06	240	387219	20.00	ng	0.00
87) Perylene-d12	15.54	264	236868	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	413787	51.26	ng	0.00
7) Phenol-d6	6.53	99	482480	46.38	ng	0.00
23) Nitrobenzene-d5	7.45	82	280860	38.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	122553	53.63	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	414568	34.41	ng	0.00
79) Terphenyl-d14	13.00	244	559385	27.42	ng	0.00

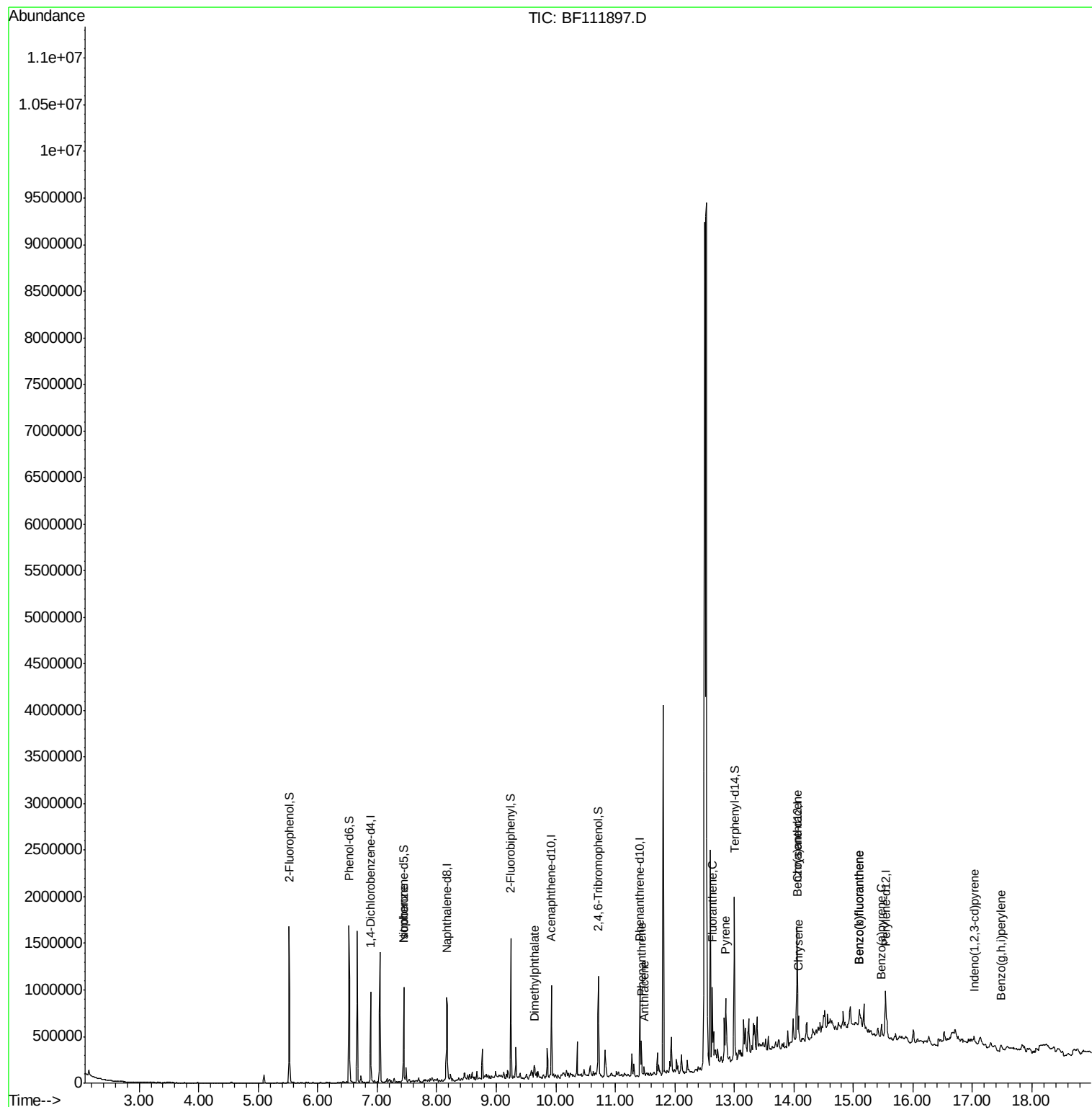
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	423	Below Cal	#	1
25) Isophorone	7.45	82	277326	23.714	ng	# 65
50) Dimethylphthalate	9.63	163	33288	2.522	ng	97
71) Phenanthrene	11.44	178	140450	7.733	ng	99
72) Anthracene	11.49	178	37956	2.059	ng	97
75) Fluoranthene	12.63	202	256317	13.747	ng	99
78) Pyrene	12.86	202	275473	10.339	ng	98
81) Benzo(a)anthracene	14.04	228	139318	6.252	ng	96
83) Chrysene	14.08	228	110048	5.179	ng	97
86) Indeno(1,2,3-cd)pyrene	17.03	276	32184	2.078	ng	95
88) Benzo(b)fluoranthene	15.10	252	131314	9.268	ng	# 87
89) Benzo(k)fluoranthene	15.10	252	131314	9.859	ng	# 89
90) Benzo(a)pyrene	15.47	252	60994	4.896	ng	# 93
92) Benzo(a,h,i)perylene	17.48	276	28443	2.902	ng	# 92

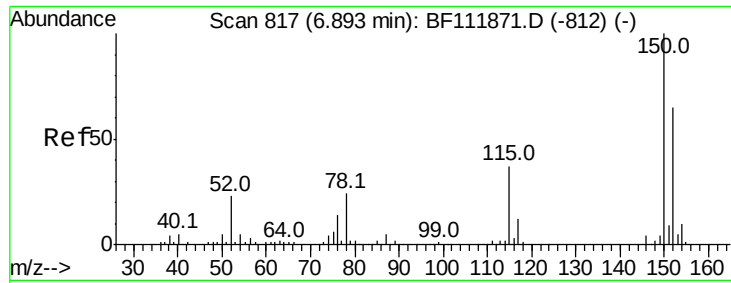
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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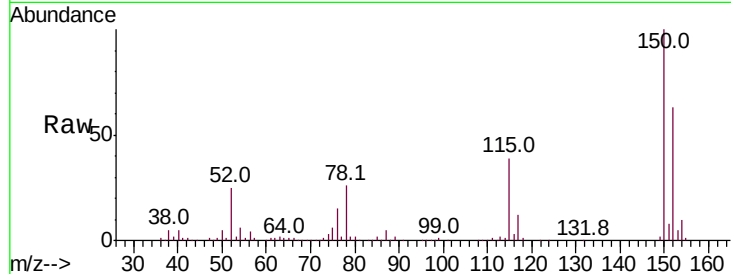


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	122.7	184.1
115	62.2	45.2	67.8

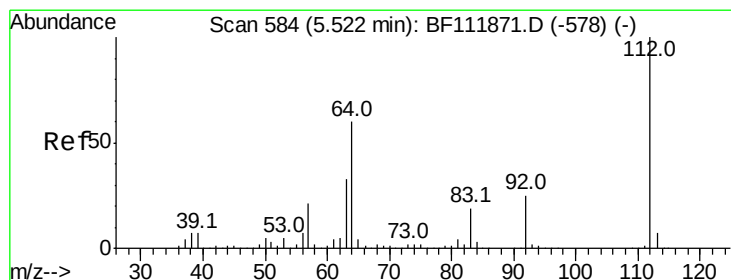
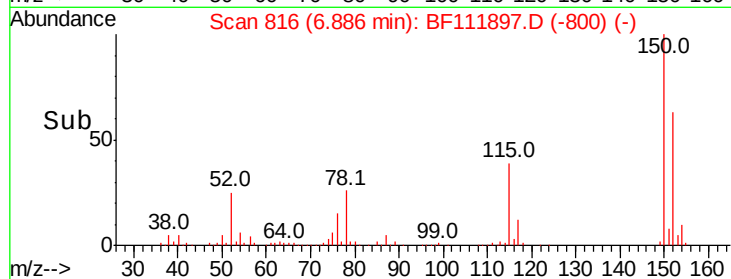
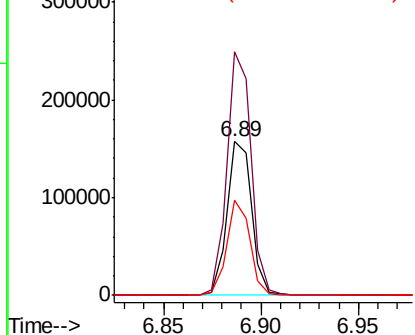


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

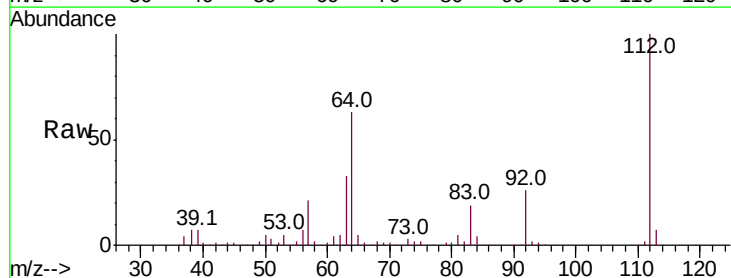
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.263 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	48.3	72.5
63	32.8	26.1	39.1

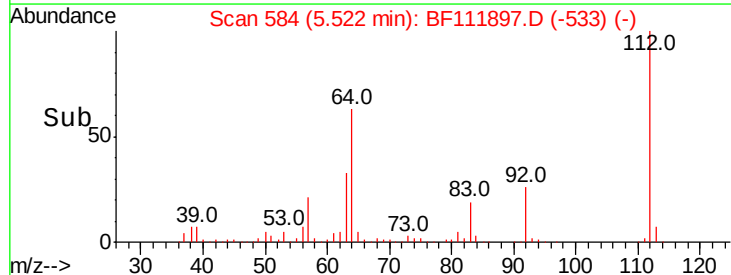
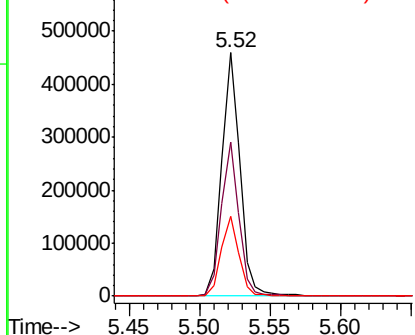


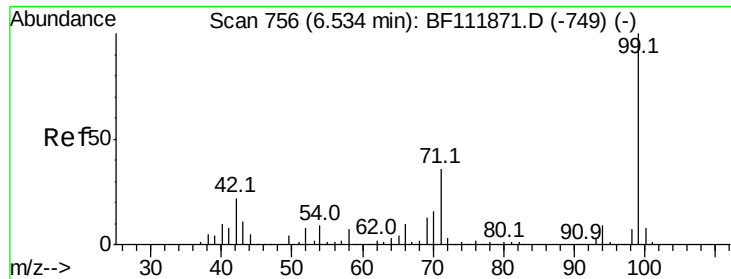
Abundance

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: 46.376 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Instrument :

BNA_F

ClientSampleId :

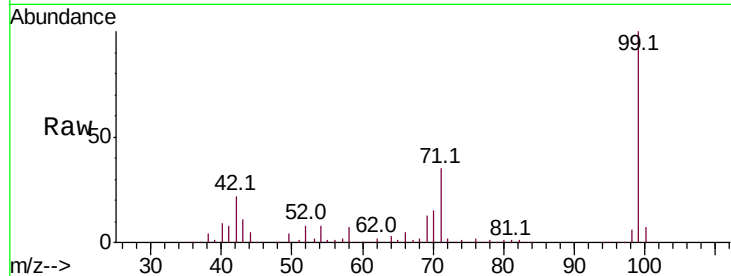
Tot Ion: 99 Resp: 482480

Ion Ratio Lower Upper

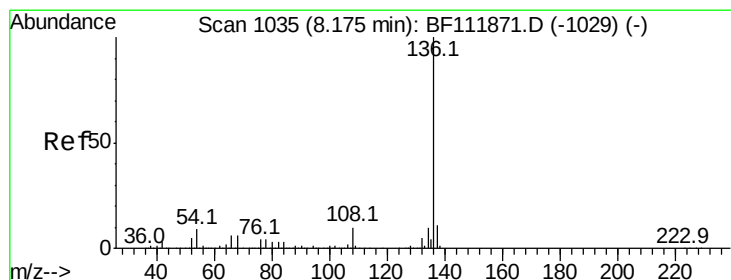
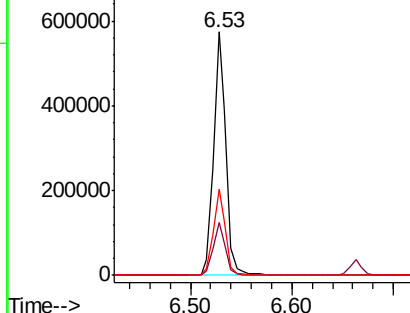
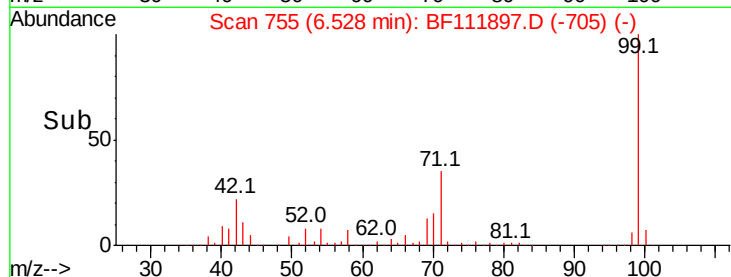
99 100

42 21.6 17.9 26.9

71 35.4 28.7 43.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Tgt Ion: 136 Resp: 385985

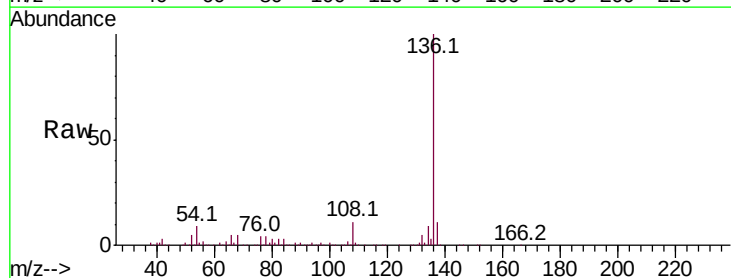
Ion Ratio Lower Upper

136 100

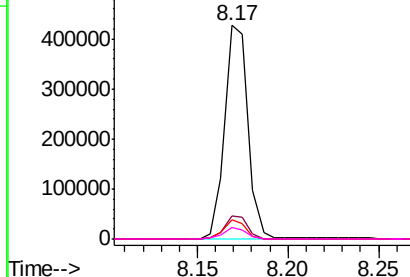
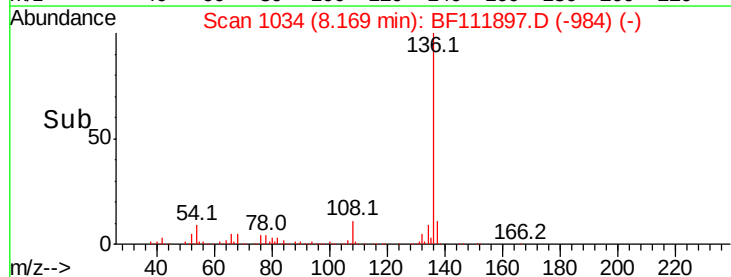
137 11.0 9.1 13.7

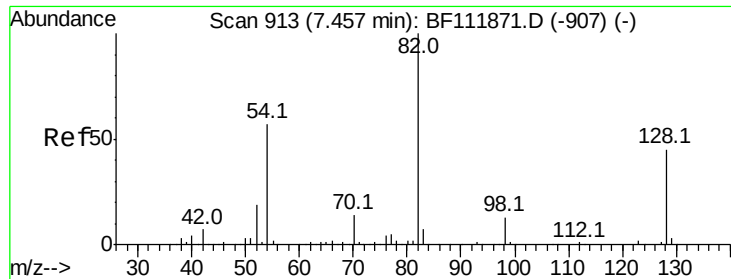
54 9.1 7.2 10.8

68 5.3 4.4 6.6



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

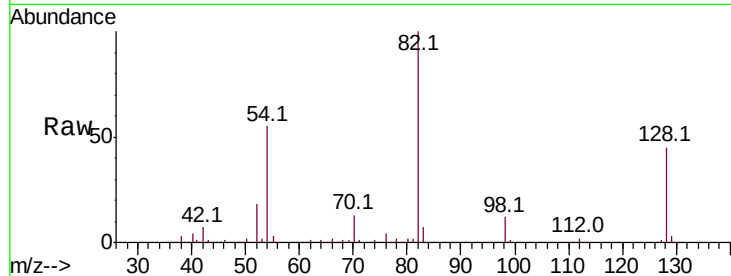




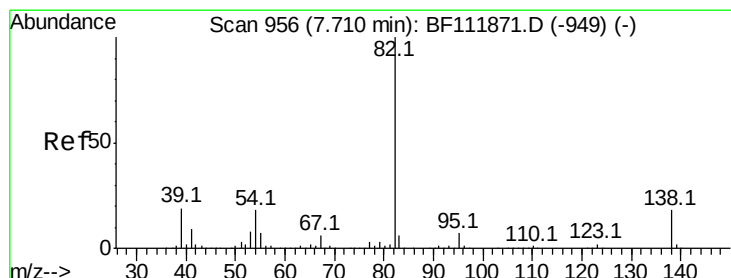
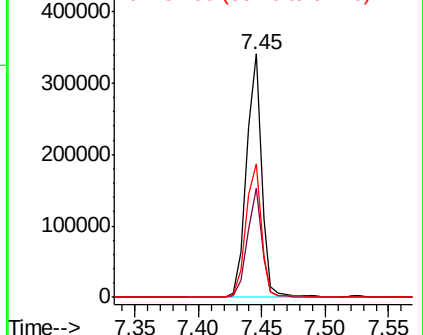
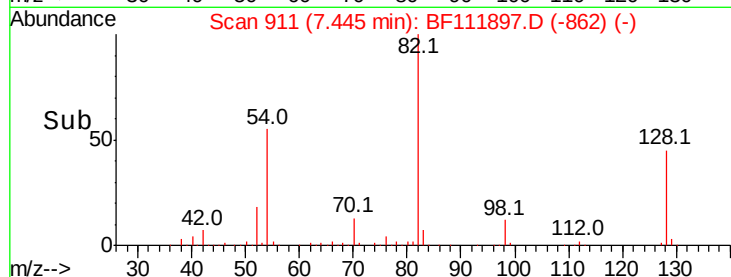
#23
Nitrobenzene-d5
Concen: 38.889 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 280860
Ion Ratio Lower Upper
82 100
128 44.8 35.7 53.5
54 55.0 45.8 68.8

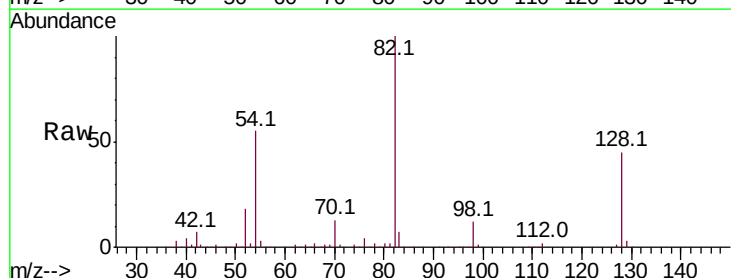


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

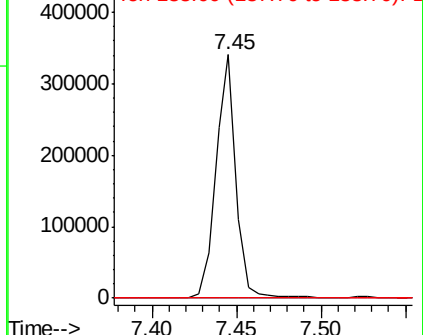
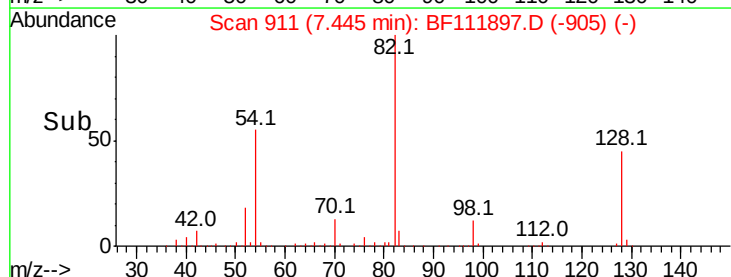


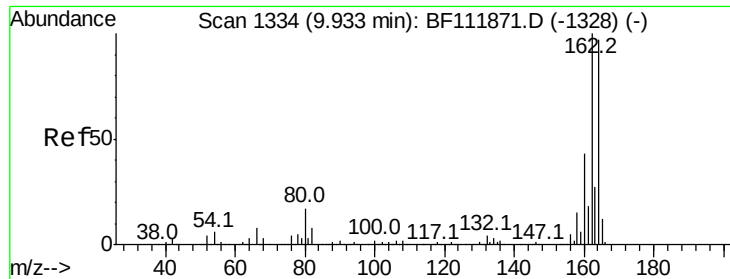
#25
Isophorone
Concen: 23.714 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion: 82 Resp: 277326
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 14.4 21.6#



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

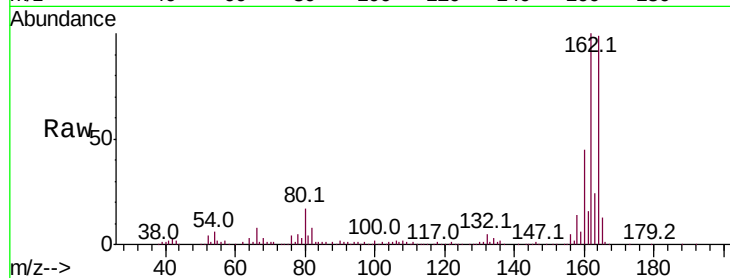




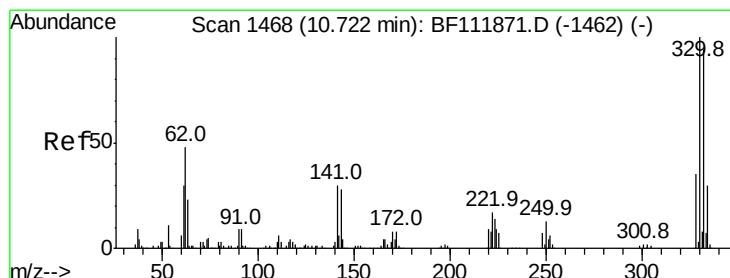
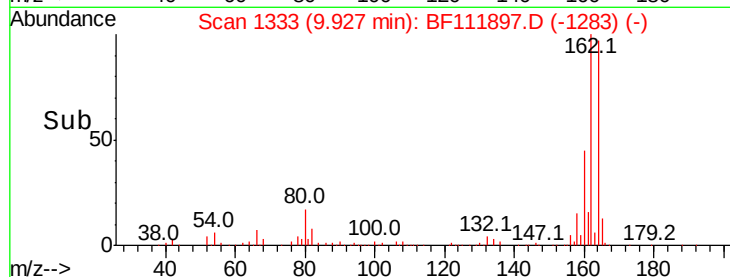
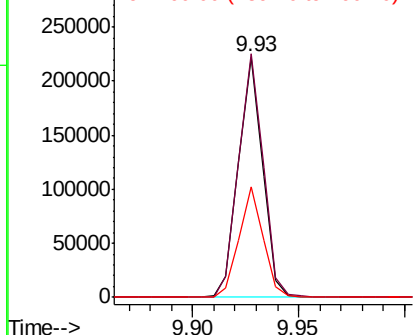
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 175699
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.2 123.2
 160 45.9 35.5 53.3

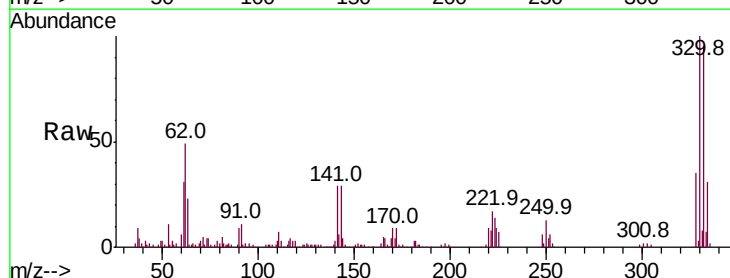


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

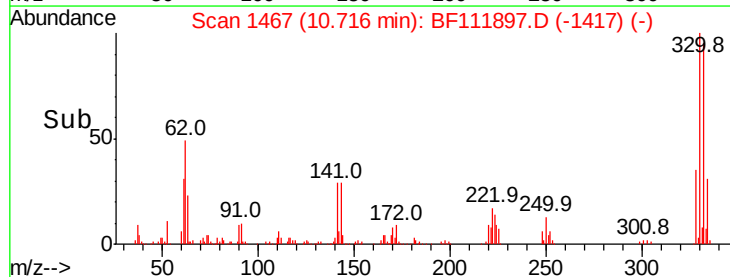
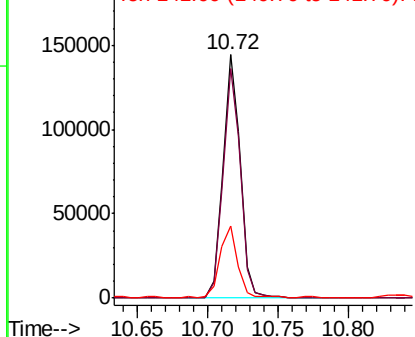


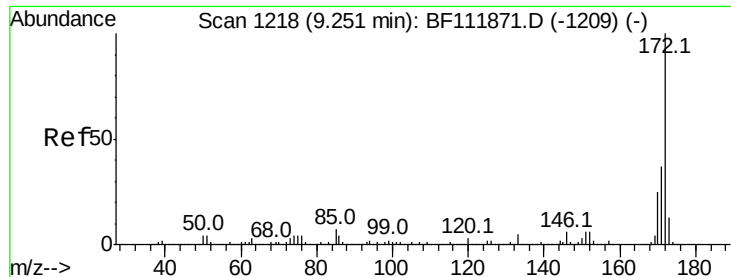
#42
 2,4,6-Tribromophenol
 Concen: 53.626 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

Tgt Ion:330 Resp: 122553
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.9 115.3
 141 29.2 23.7 35.5



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

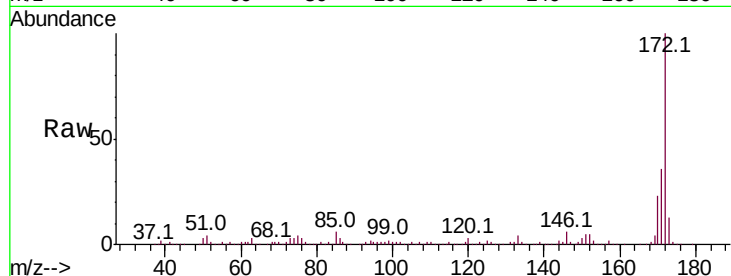




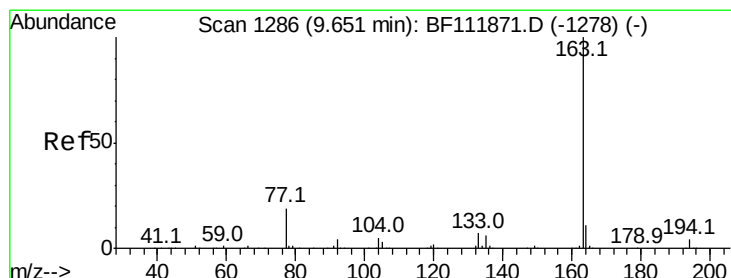
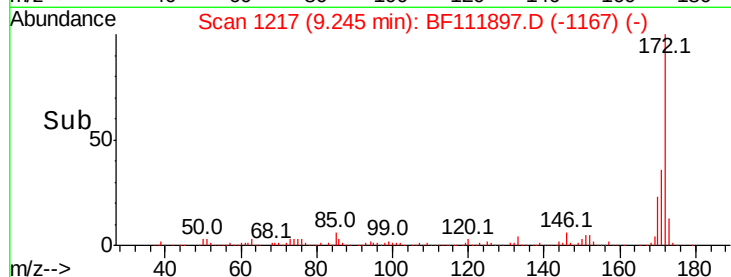
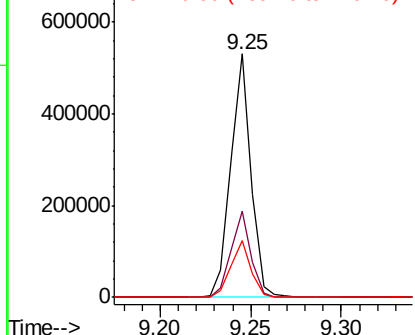
#45
2-Fluorobiphenyl
Concen: 34.407 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 414568
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.1 19.8 29.8

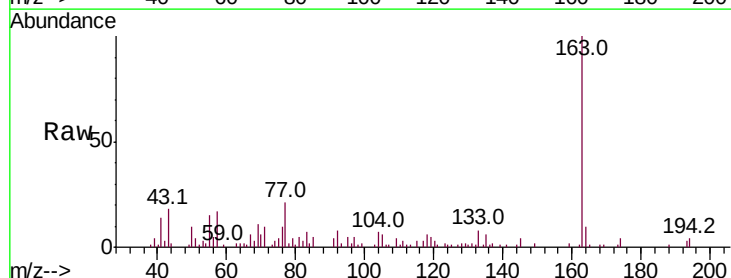


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

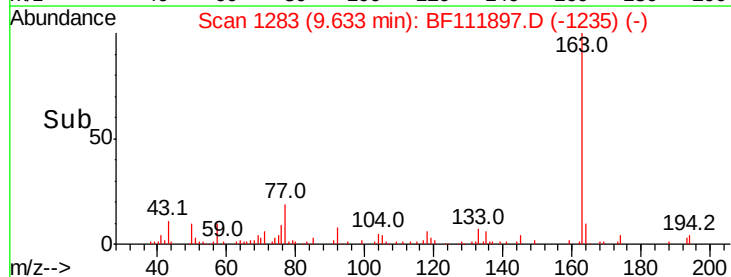
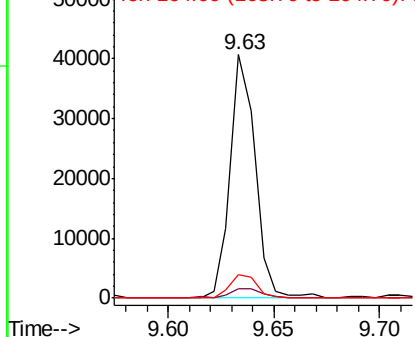


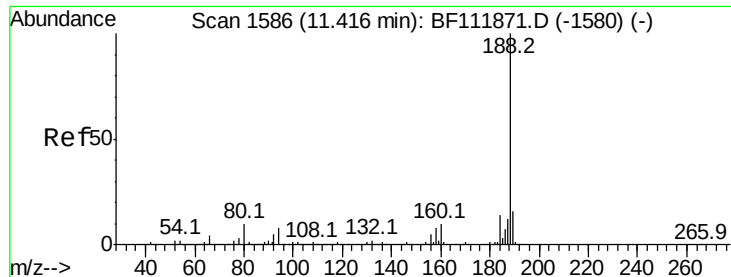
#50
Dimethylphthalate
Concen: 2.522 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion:163 Resp: 33288
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.2
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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Instrument :

BNA_F

ClientSampled :

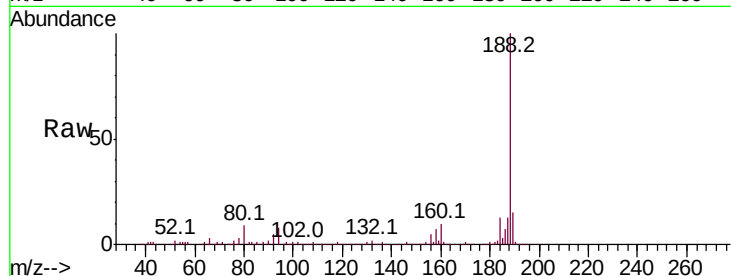
Tot Ion:188 Resp: 339718

Ion Ratio Lower Upper

188 100

94 7.8 6.6 10.0

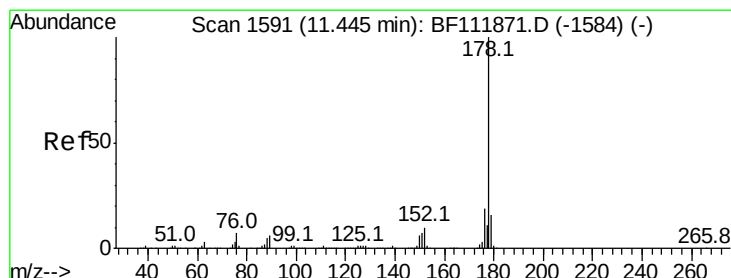
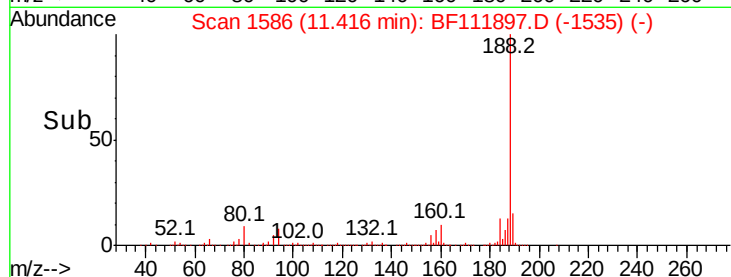
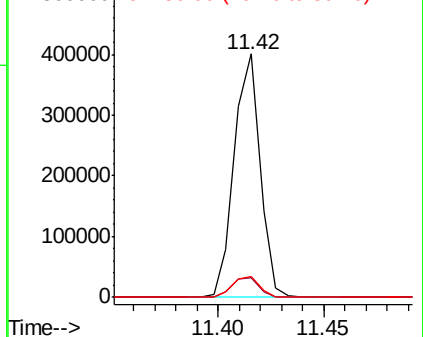
80 8.7 7.7 11.5



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



#71

Phenanthrene

Concen: 7.733 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

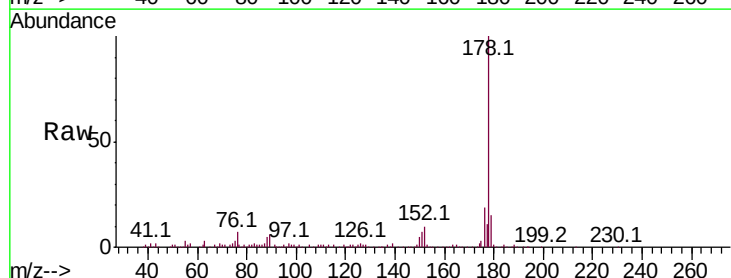
Tgt Ion:178 Resp: 140450

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

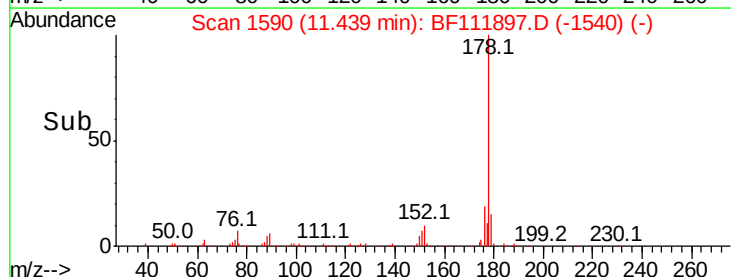
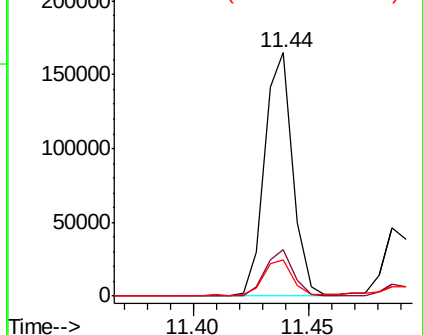
179 14.8 12.6 18.8

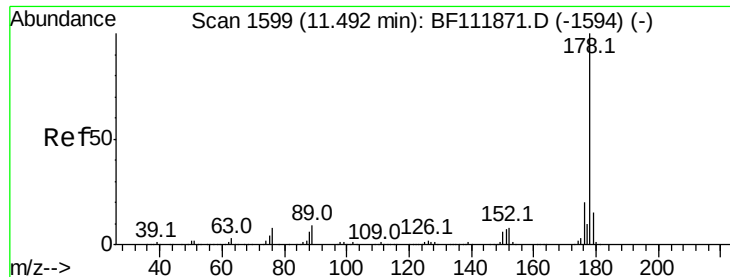


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.059 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

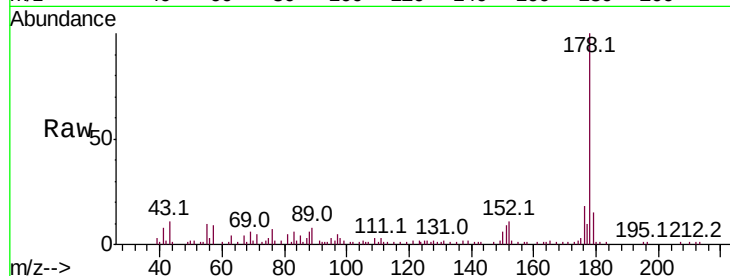
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 37956

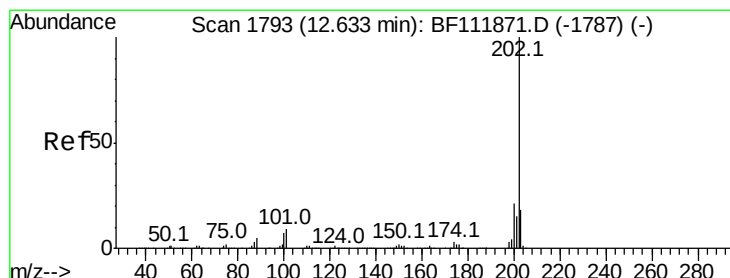
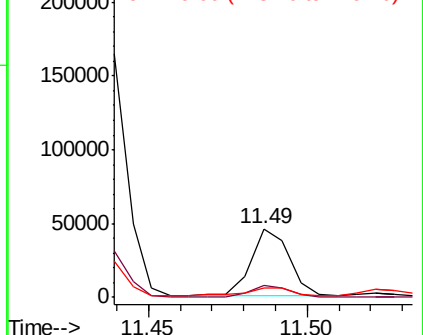
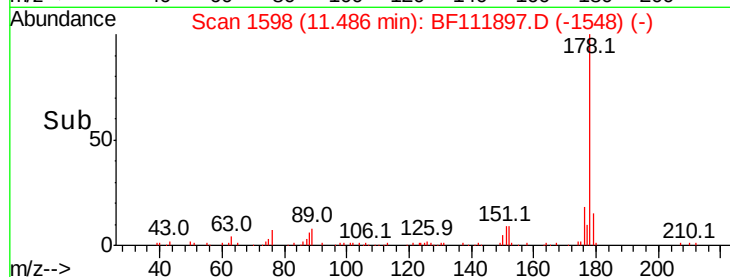
Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.7	23.5
179	14.5	12.4	18.6



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



#75

Fluoranthene

Concen: 13.747 ng

RT: 12.63 min Scan# 1792

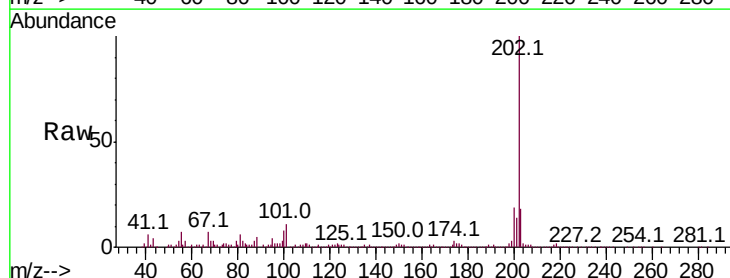
Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Tgt Ion:202 Resp: 256317

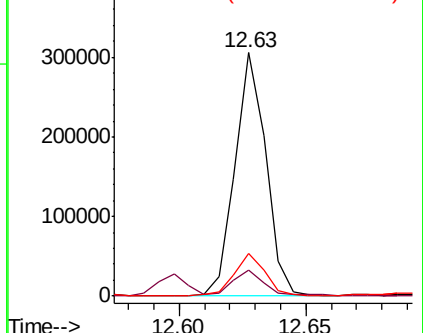
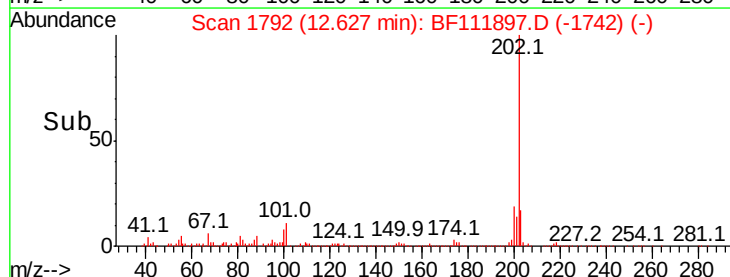
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	29.3
203	17.5	0.0	37.6

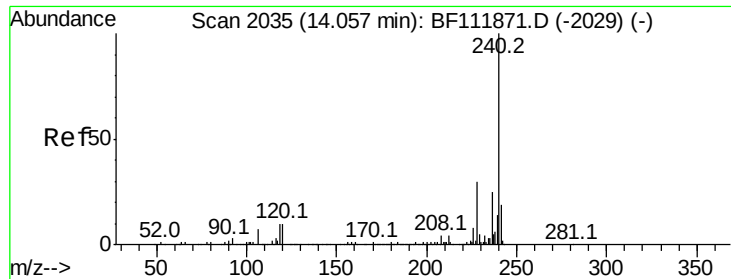


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

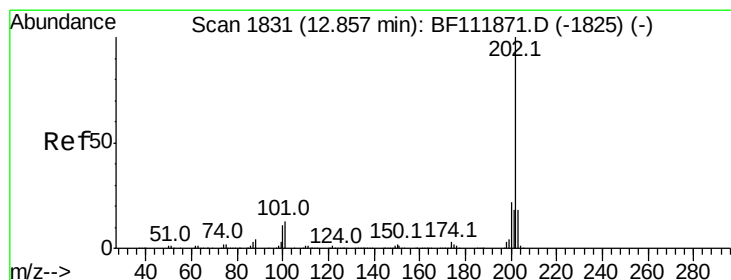
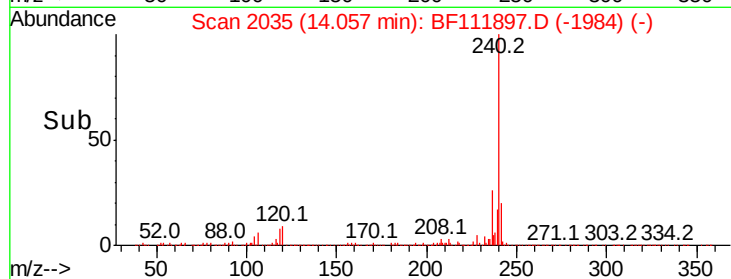
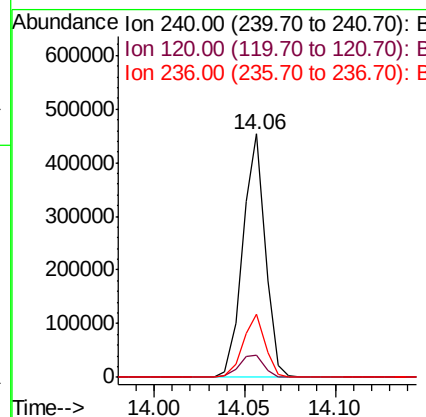
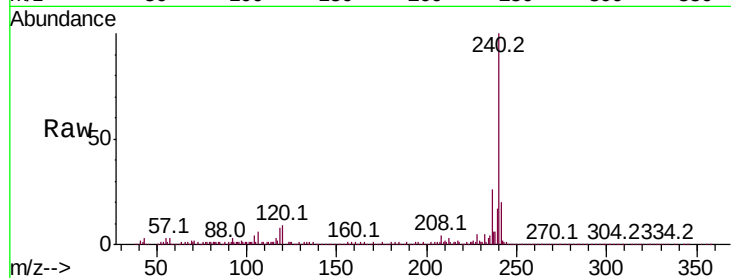




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

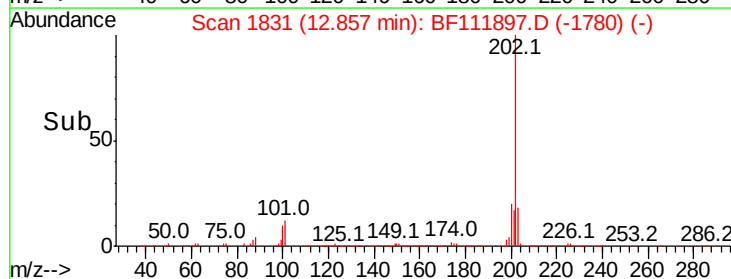
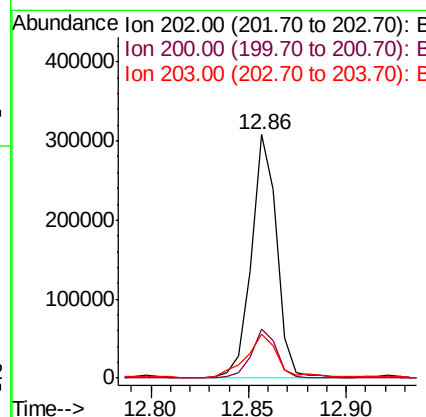
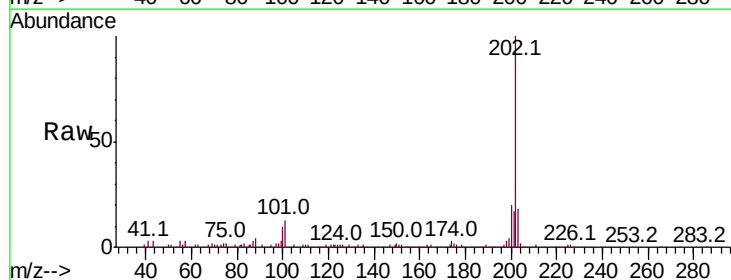
Instrument :
BNA_F
ClientSampleId :

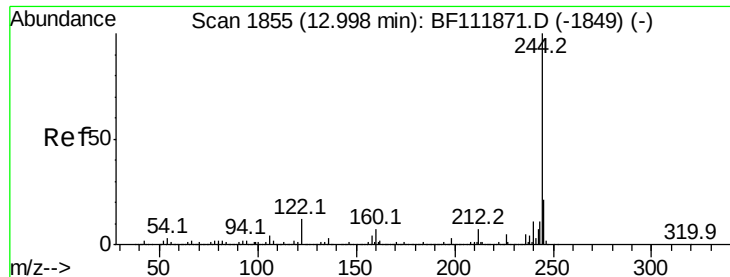
Tot Ion:240 Resp: 387219
Ion Ratio Lower Upper
240 100
120 9.1 8.2 12.2
236 26.1 20.2 30.4



#78
Pyrene
Concen: 10.339 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion:202 Resp: 275473
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 18.1 14.6 21.8

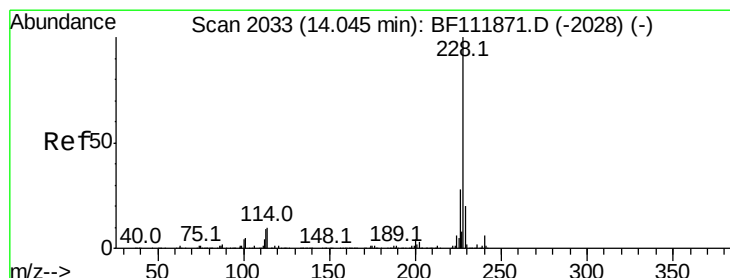
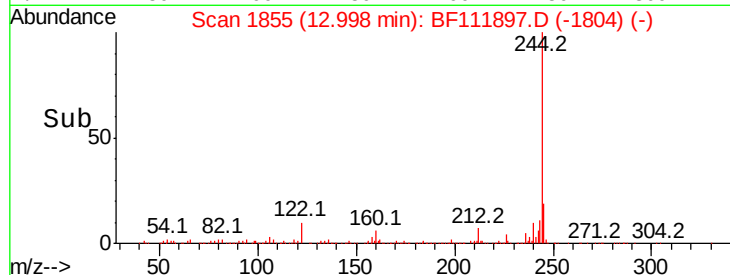
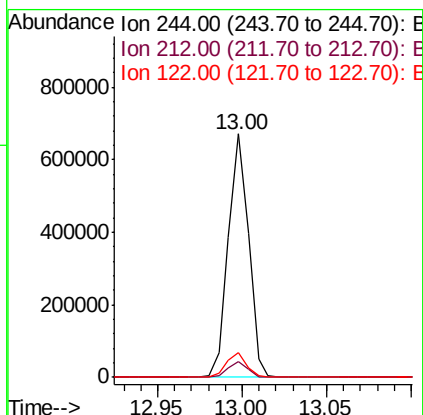
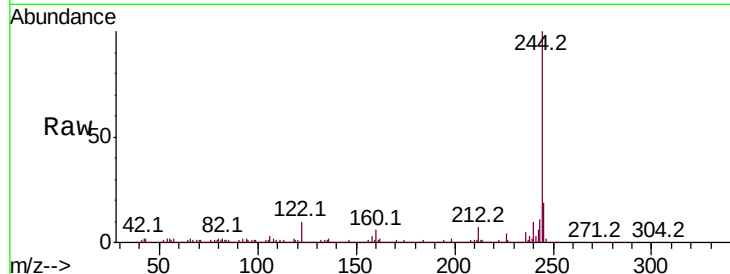




#79
 Terphenyl-d14
 Concen: 27.422 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

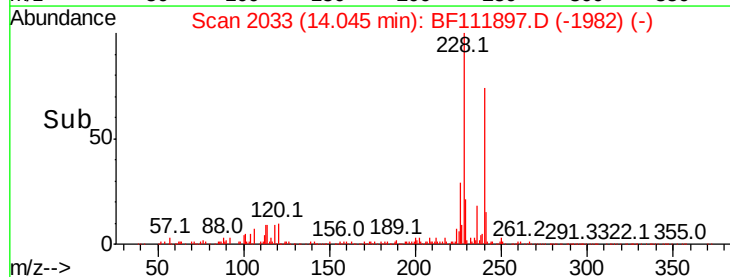
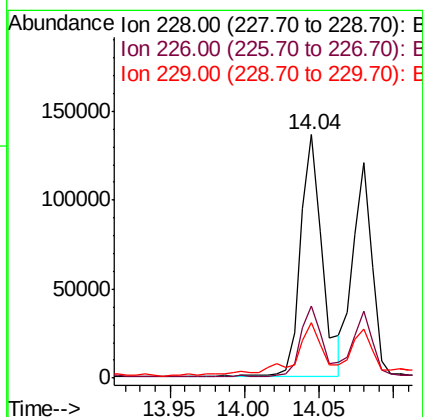
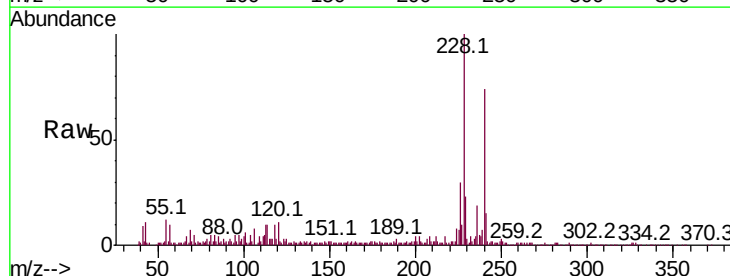
Instrument :
 BNA_F
 ClientSampled :

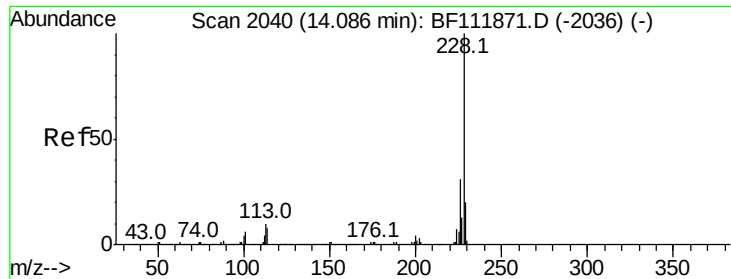
Tot Ion:244 Resp: 559385
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 9.9 9.5 14.3



#81
 Benzo(a)anthracene
 Concen: 6.252 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

Tgt Ion:228 Resp: 139318
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.2 33.2
 229 22.5 16.2 24.2





#83

Chrysene

Concen: 5.179 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

Instrument :

BNA_F

ClientSampleId :

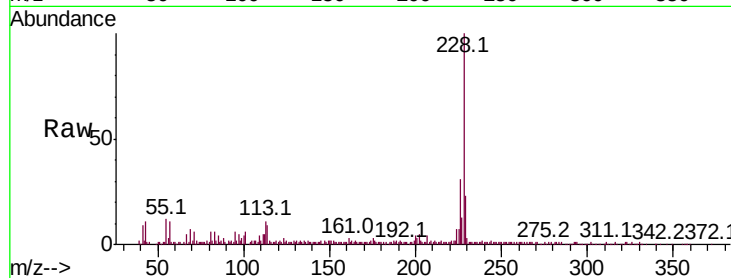
Tot Ion:228 Resp: 110048

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

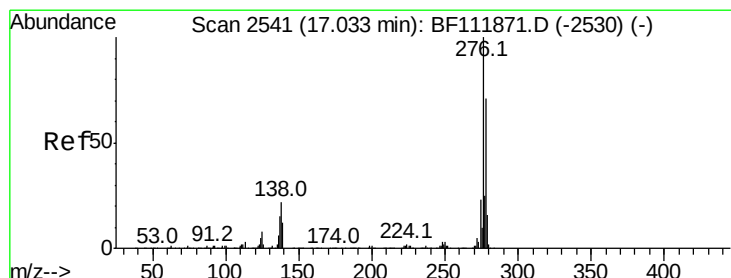
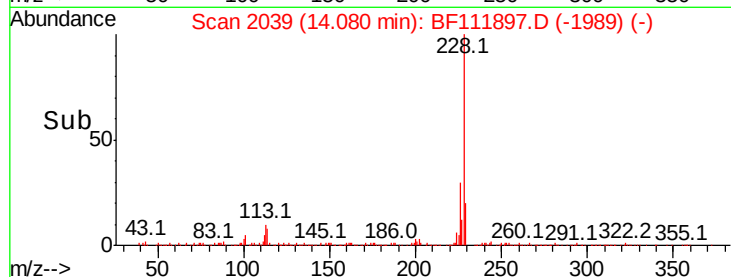
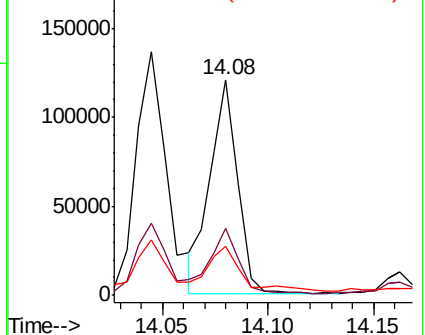
229 22.7 15.7 23.5



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: 2.078 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF111897.D

Acq: 8 Jan 2019 00:42

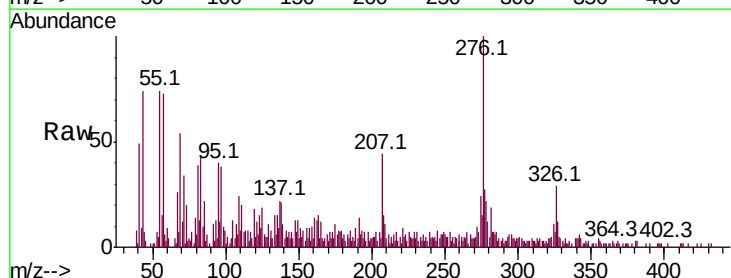
Tgt Ion:276 Resp: 32184

Ion Ratio Lower Upper

276 100

138 24.8 18.1 27.1

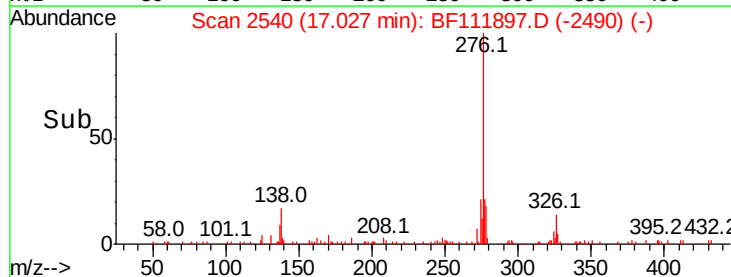
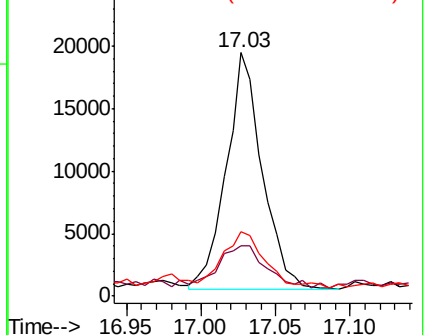
277 28.0 19.9 29.9

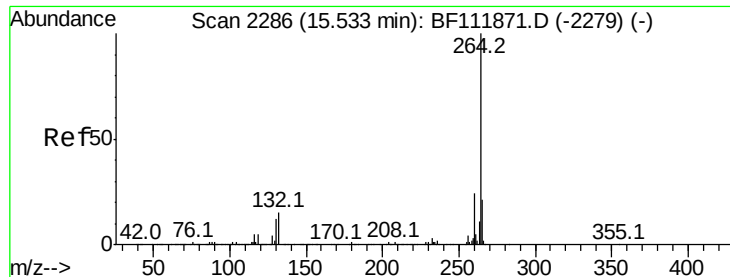


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

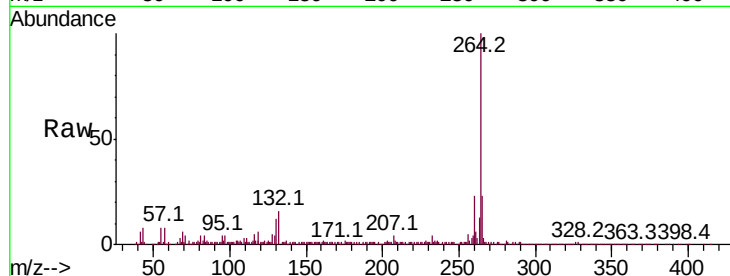




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	22.9	17.1	25.7

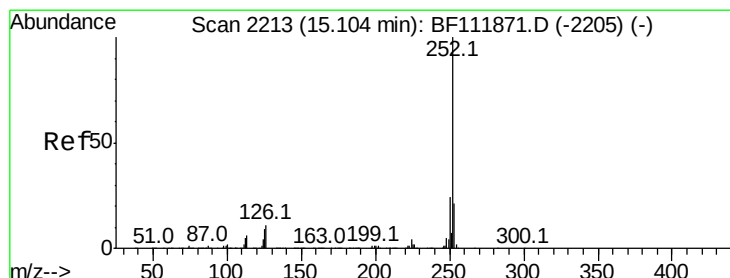
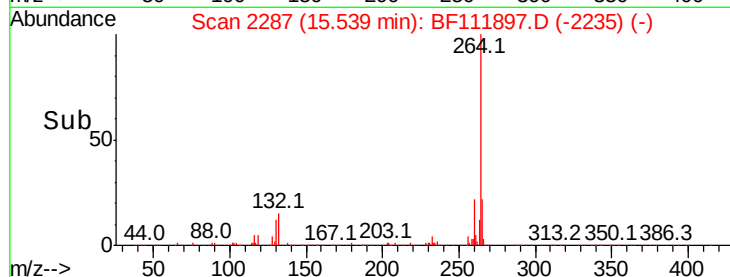
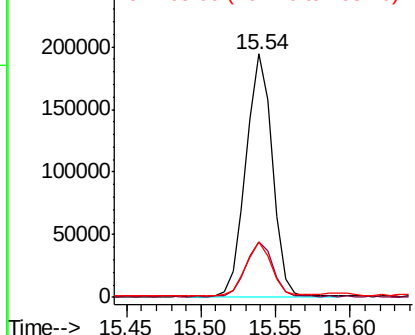


Abundance

Ion 264.00 (263.70 to 264.70): E

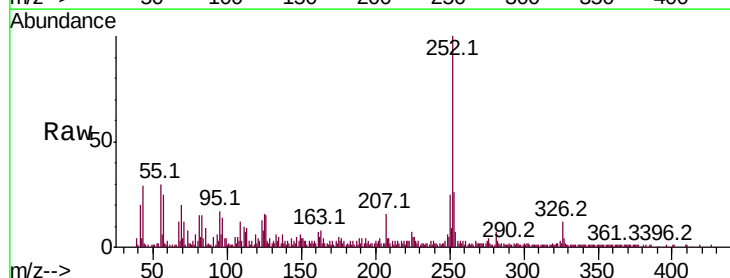
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 9.268 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	15.9	7.1	10.7#

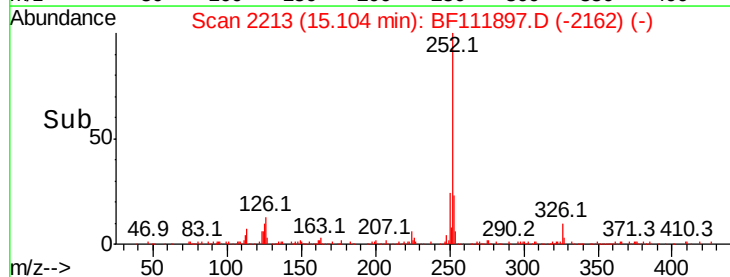
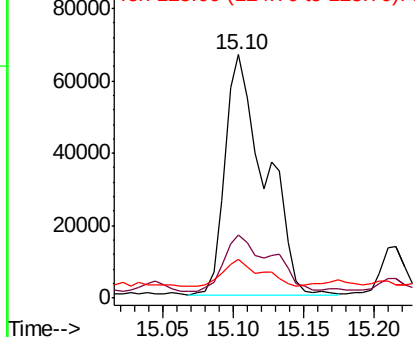


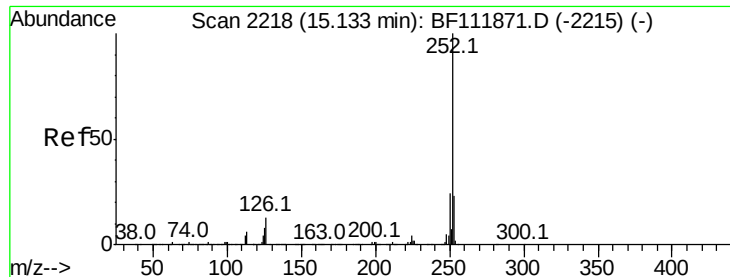
Abundance

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

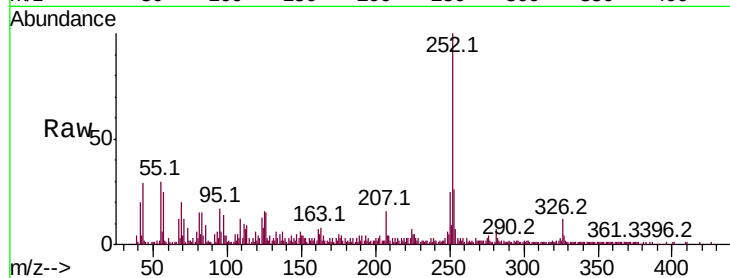




#89
Benzo(k)fluoranthene
Concen: 9.859 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.6
125	15.9	7.0	10.4

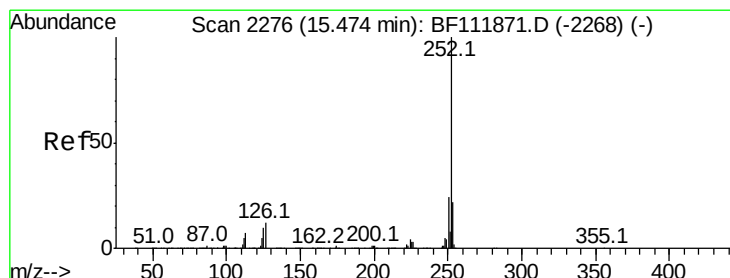
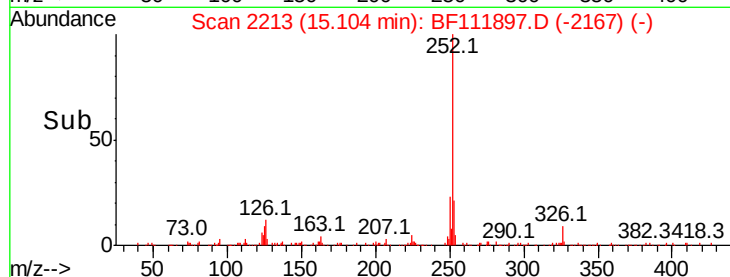
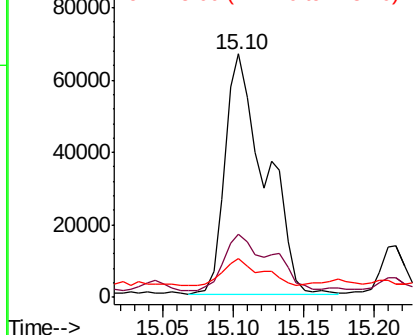


Abundance

Ion 252.00 (251.70 to 252.70): E

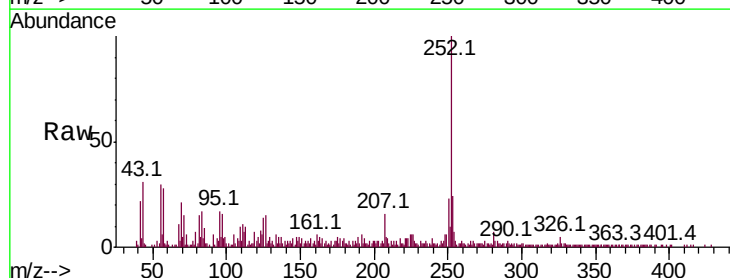
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.896 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF111897.D
Acq: 8 Jan 2019 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.2
125	13.7	7.9	11.9

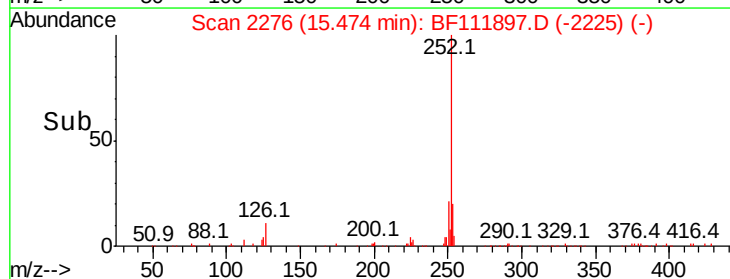
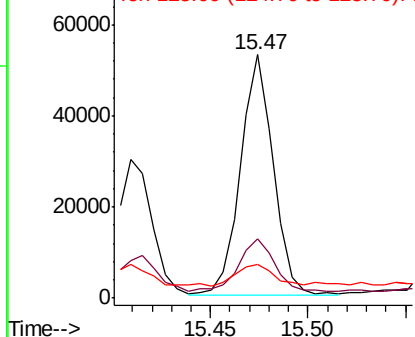


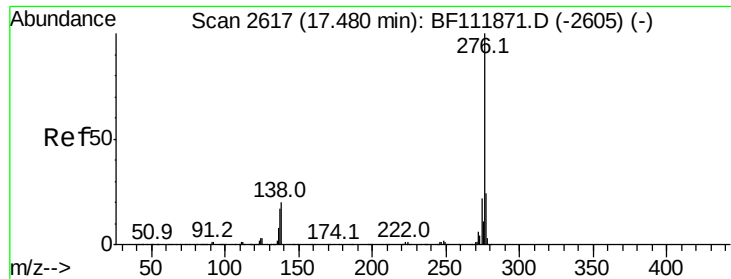
Abundance

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

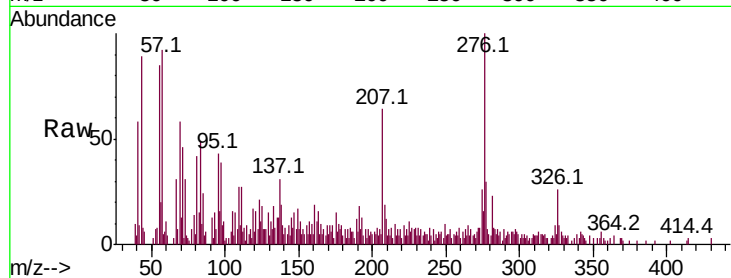




#92
 Benzo(a,h,i)perylene
 Concen: 2.902 ng
 RT: 17.48 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: BF111897.D
 Acq: 8 Jan 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.0	28.6
138	18.6	16.2	24.2



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

