

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
 Data File : BF110470.D
 Acq On : 5 Nov 2018 17:36
 Operator : JU/SJ
 Sample : J5812-20
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-B

Quant Time: Nov 06 00:53:40 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

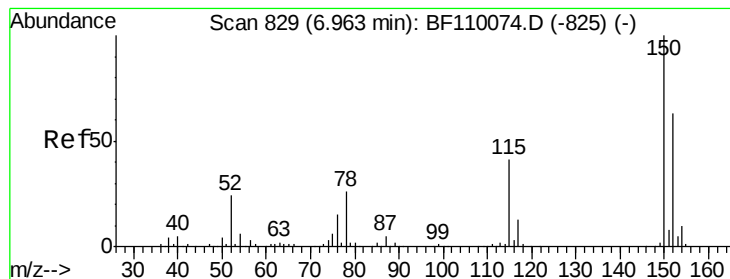
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	91520	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	381529	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	186520	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	333187	20.00	ng	0.00
76) Chrysene-d12	14.13	240	189336	20.00	ng	0.00
87) Perylene-d12	15.66	264	161178	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	797965	141.99	ng	0.01
7) Phenol-d6	6.59	99	1031748	143.53	ng	0.00
23) Nitrobenzene-d5	7.52	82	666784	103.66	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	264103	142.94	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	1134085	95.48	ng	0.00
79) Terphenyl-d14	13.07	244	979335	107.57	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.59	77	1987	Below Cal		# 1
10) Phenol	6.59	94	70894	9.226	ng	# 76
19) n-Nitroso-di-n-propylamine	7.52	70	89034	19.306	ng	# 78
25) Isophorone	7.52	82	666781	60.811	ng	# 67
50) Dimethylphthalate	9.70	163	176034	12.785	ng	99
57) 2,4-Dinitrotoluene	9.99	165	24323	6.457	ng	# 20
58) Fluorene	10.55	166	32503	2.639	ng	99
67) 4-Bromophenyl-phenylether	10.79	248	17105	4.733	ng	# 1
71) Phenanthrene	11.51	178	253686	14.551	ng	98
72) Anthracene	11.56	178	120855	6.916	ng	98
75) Fluoranthene	12.70	202	442848	25.029	ng	98
78) Pyrene	12.94	202	332503	24.496	ng	98
81) Benzo(a)anthracene	14.12	228	96167	8.565	ng	98
83) Chrysene	14.16	228	85576	8.024	ng	96
86) Indeno(1,2,3-cd)pyrene	17.22	276	27032	3.055	ng	97
88) Benzo(b)fluoranthene	15.20	252	91544	9.836	ng	99
89) Benzo(k)fluoranthene	15.20	252	91544	10.005	ng	# 98
90) Benzo(a)pyrene	15.59	252	48073	5.613	ng	98
92) Benzo(g,h,i)perylene	17.70	276	24069	3.305	ng	98

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

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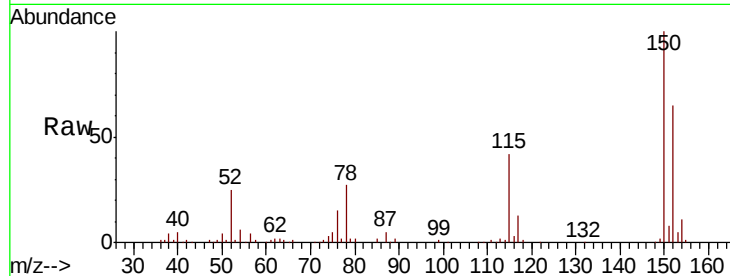


#1

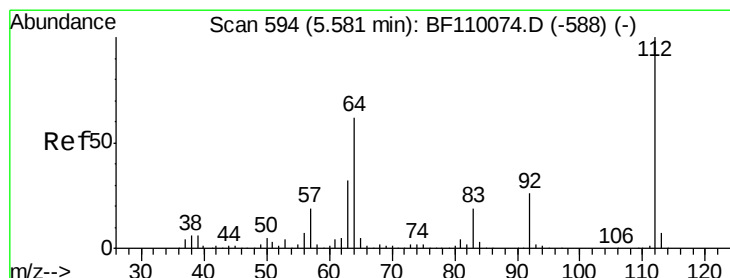
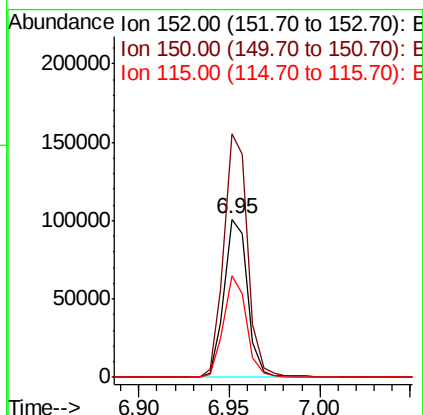
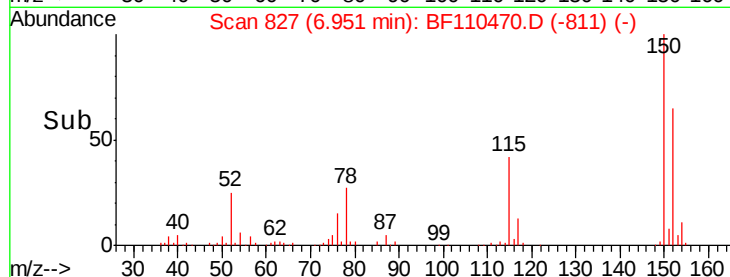
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tgt Ion:152 Resp: 91520
Ion Ratio Lower Upper
152 100
150 153.9 122.7 184.1
115 64.1 49.1 73.7



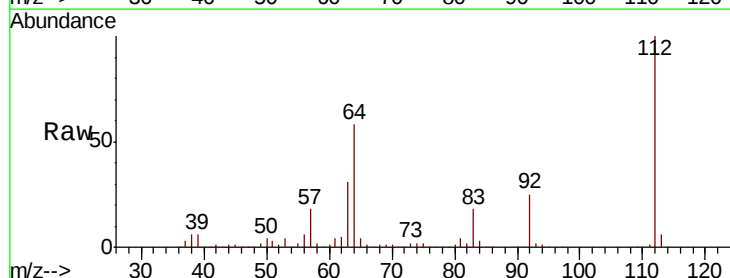
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



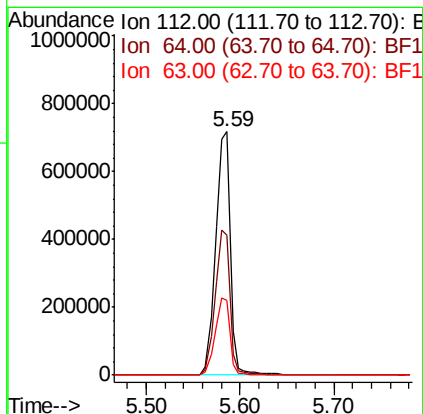
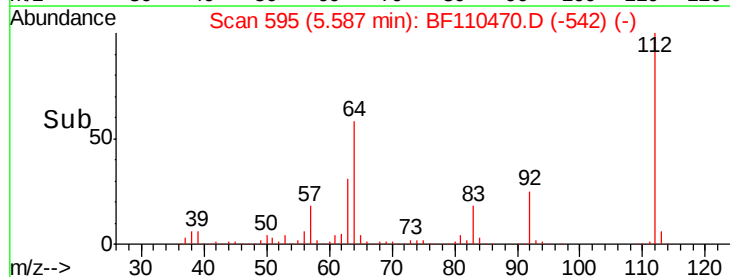
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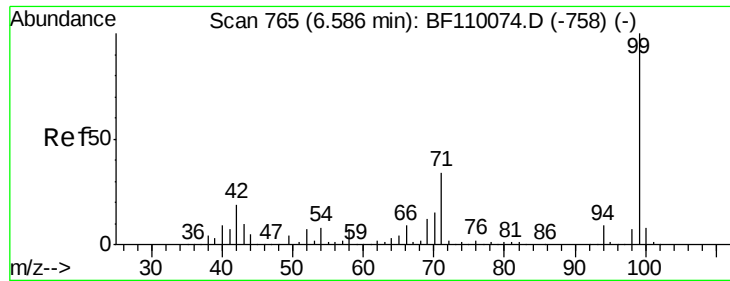
2-Fluorophenol
Concen: 141.985 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion:112 Resp: 797965
Ion Ratio Lower Upper
112 100
64 57.7 44.1 66.1
63 30.6 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: 143.528 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

ClientSampleId :

TP4-B

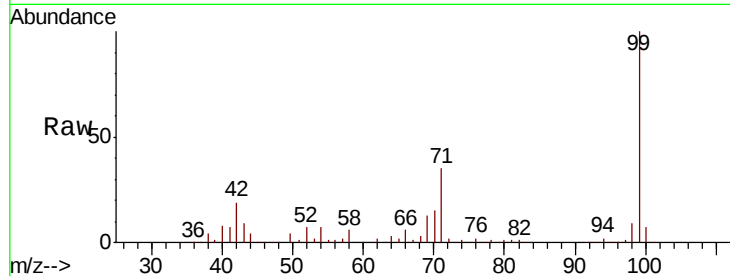
Tgt Ion: 99 Resp: 1031748

Ion Ratio Lower Upper

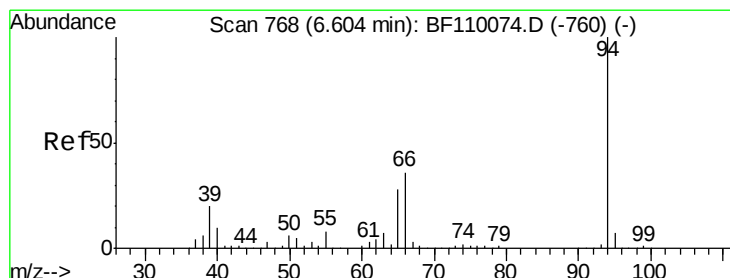
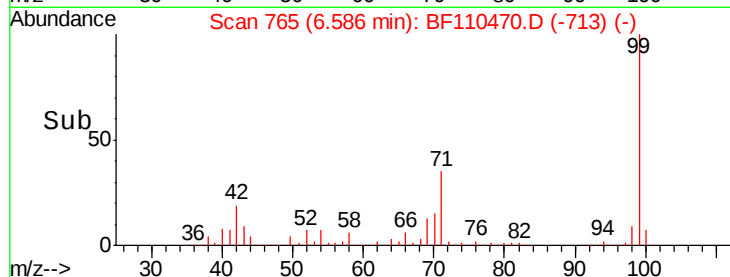
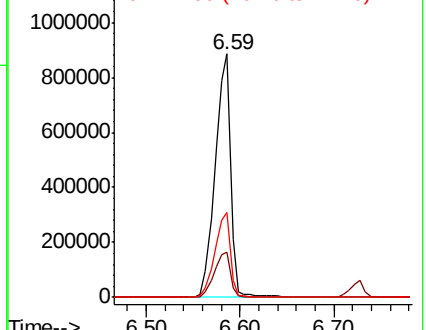
99 100

42 18.6 15.8 23.6

71 35.0 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



#10

Phenol

Concen: 9.226 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

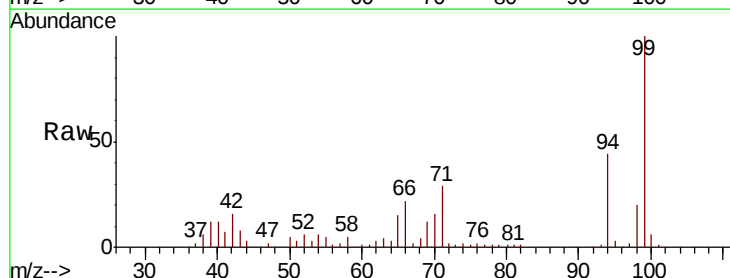
Tgt Ion: 94 Resp: 70894

Ion Ratio Lower Upper

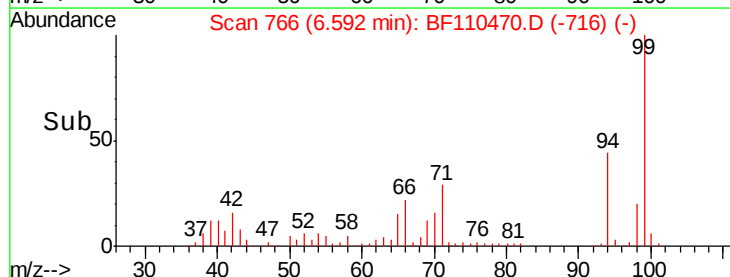
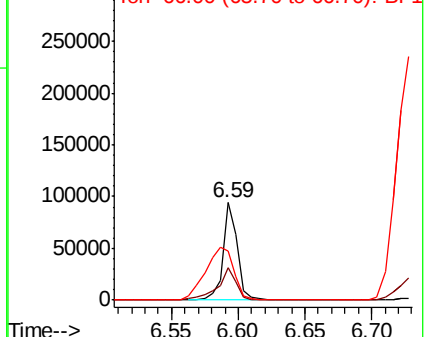
94 100

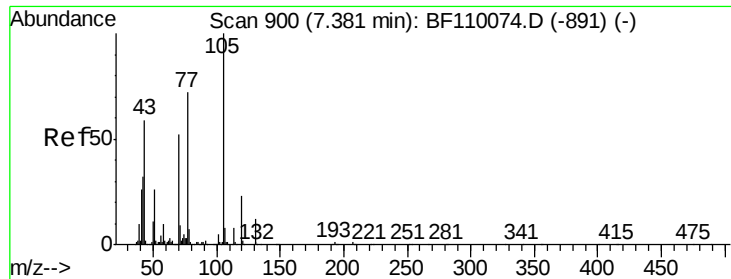
65 33.4 25.3 65.3

66 50.5 54.5 94.5#



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

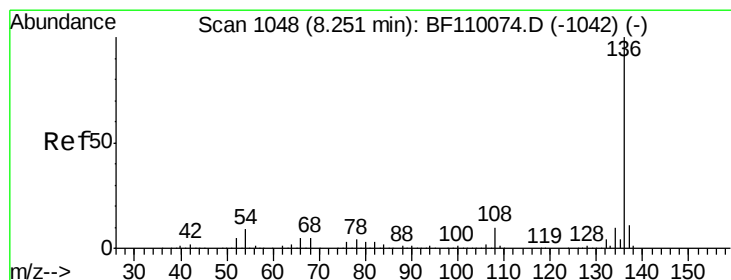
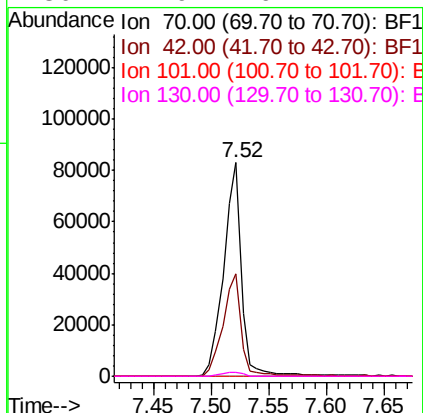
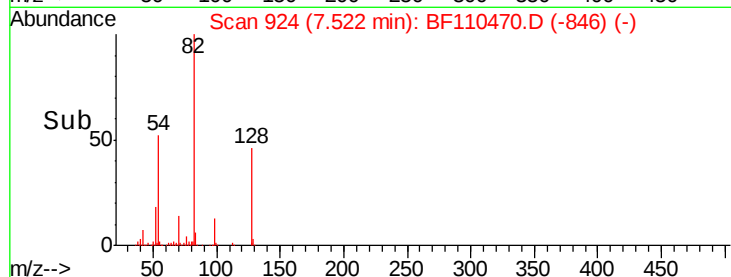
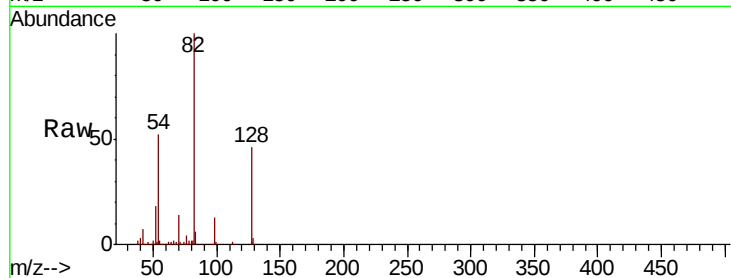




#19
n-Nitroso-di-n-propylamine
Concen: 19.306 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.16 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

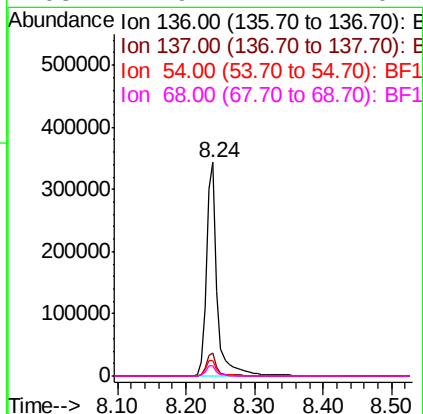
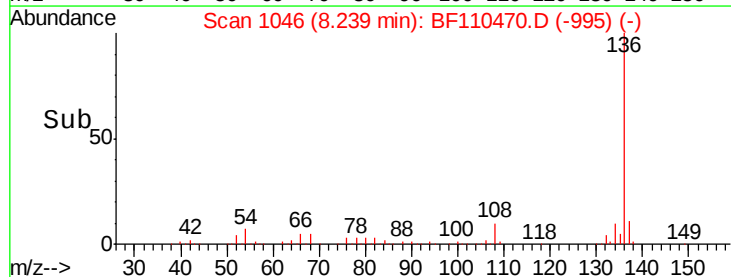
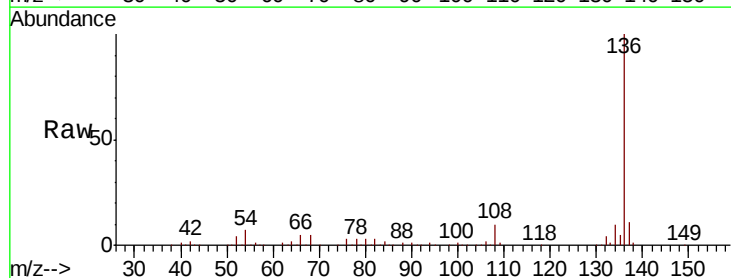
Instrument :
BNA_F
ClientSampleId :
TP4-B

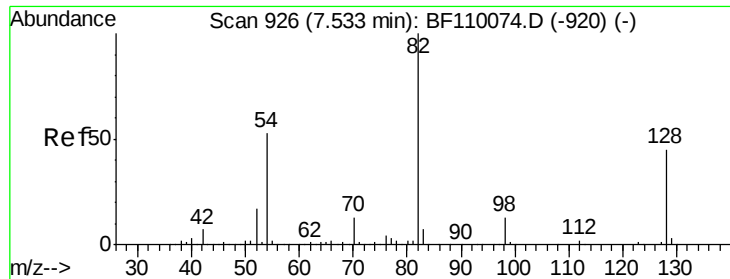
Tgt Ion: 70 Resp: 89034
Ion Ratio Lower Upper
70 100
42 48.0 47.4 71.2
101 0.0 7.3 10.9#
130 1.9 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion: 136 Resp: 381529
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.1 5.4 8.2
68 4.9 4.2 6.2

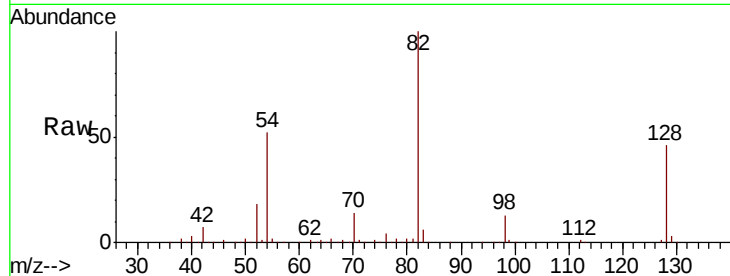




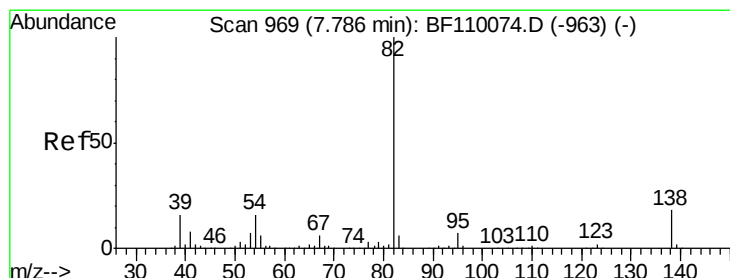
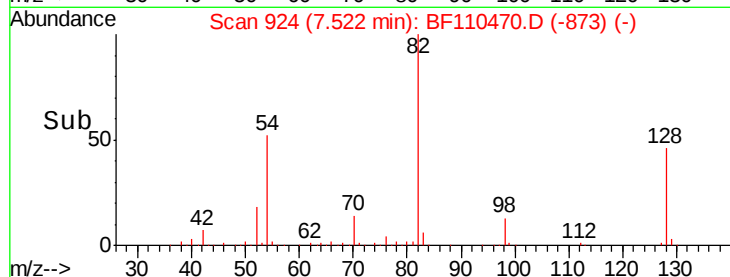
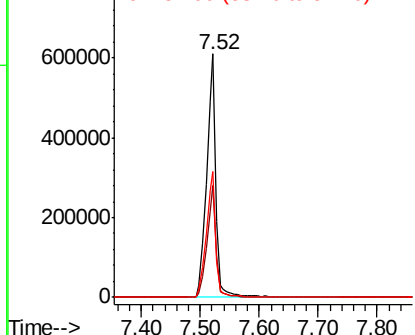
#23
 Nitrobenzene-d5
 Concen: 103.659 ng
 RT: 7.52 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

Instrument :
 BNA_F
 ClientSampleId :
 TP4-B

Tgt Ion: 82 Resp: 666784
 Ion Ratio Lower Upper
 82 100
 128 46.1 34.2 51.2
 54 51.7 38.6 58.0

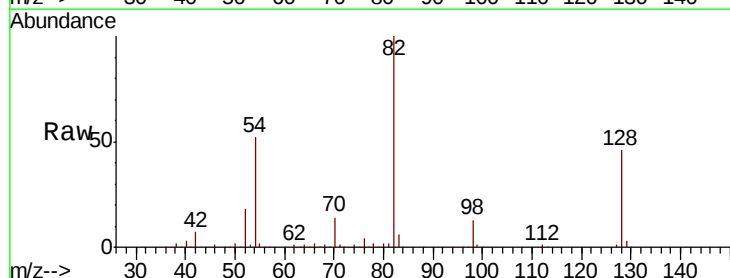


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

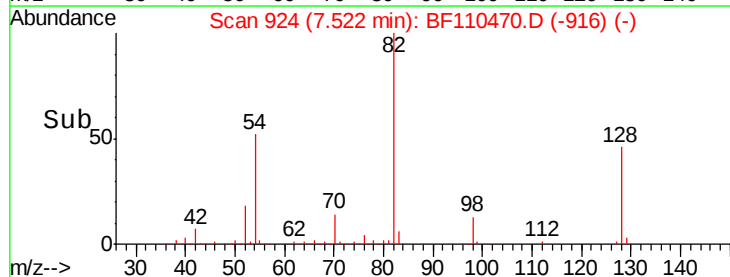
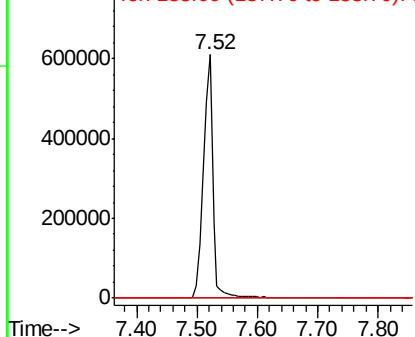


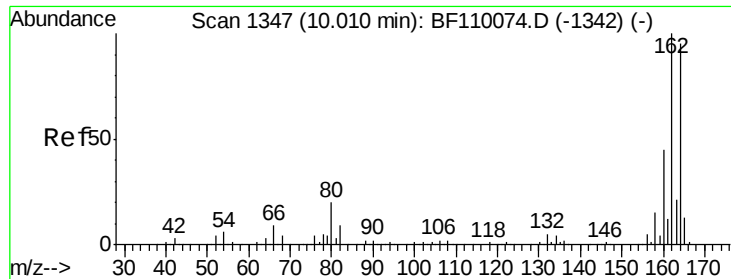
#25
 Isophorone
 Concen: 60.811 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

Tgt Ion: 82 Resp: 666781
 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: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

ClientSampleId :

TP4-B

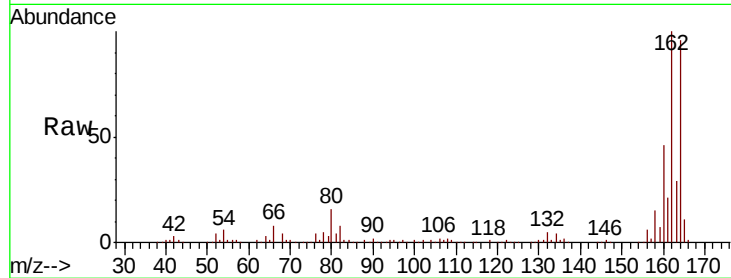
Tgt Ion:164 Resp: 186520

Ion Ratio Lower Upper

164 100

162 104.5 83.0 124.6

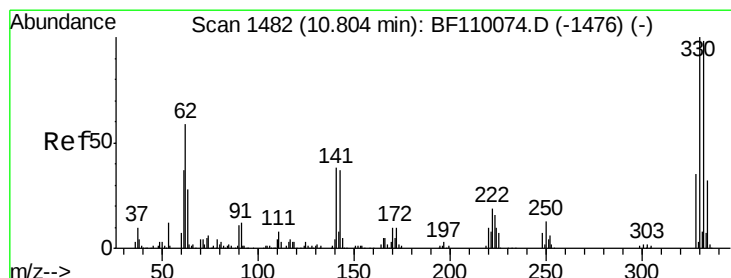
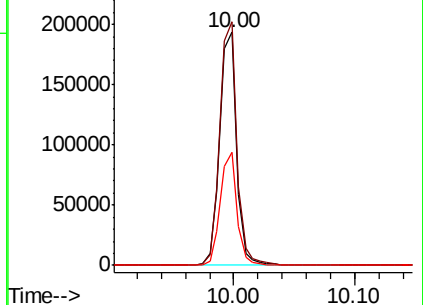
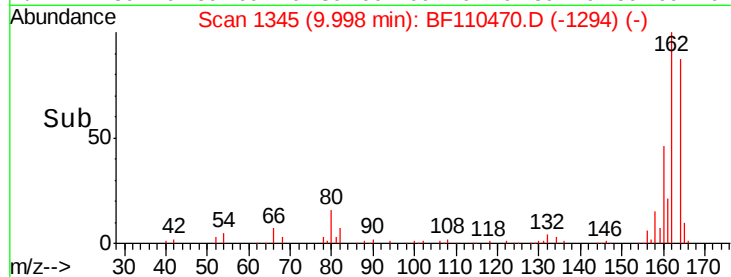
160 48.3 37.0 55.6



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: 142.943 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

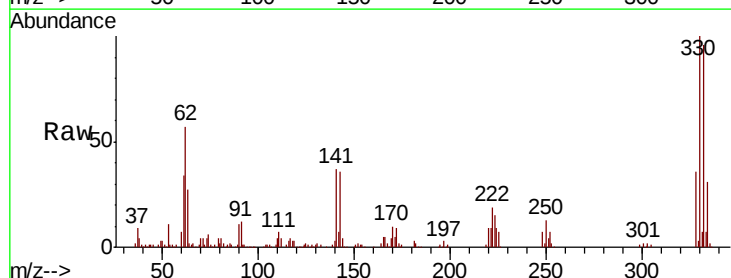
Tgt Ion:330 Resp: 264103

Ion Ratio Lower Upper

330 100

332 96.0 77.1 115.7

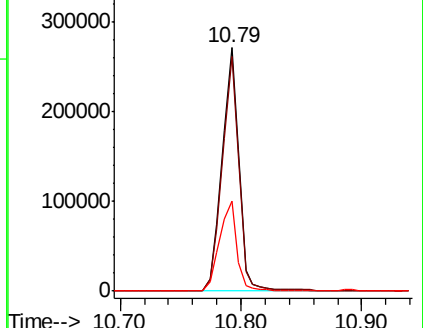
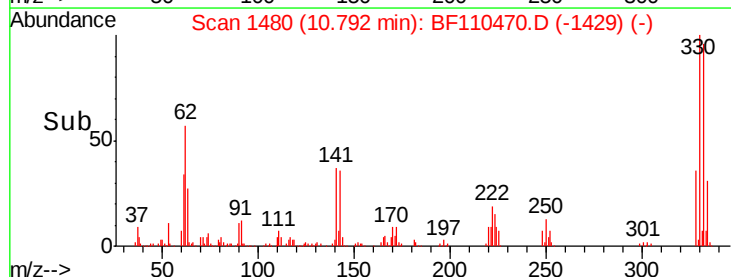
141 38.3 27.0 40.4

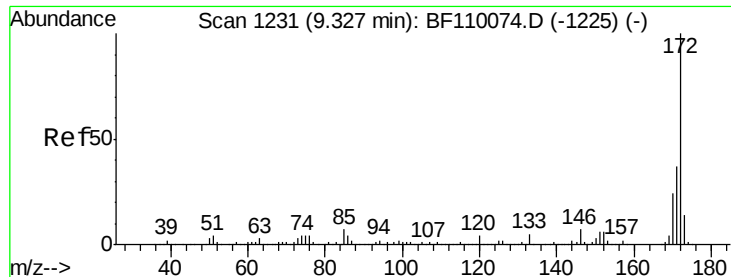


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

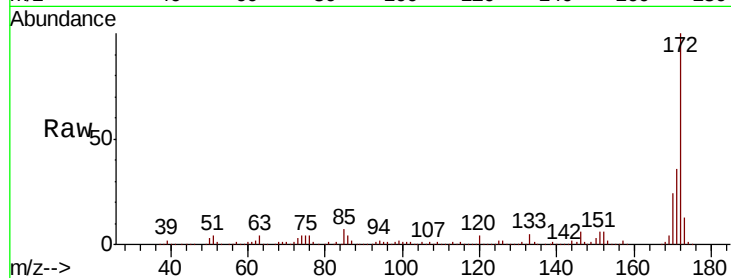




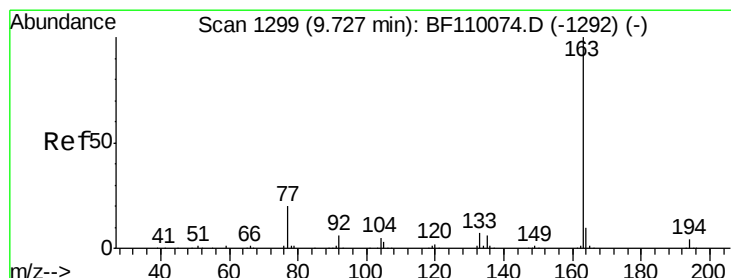
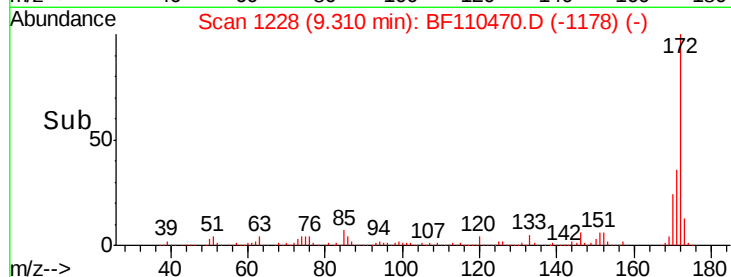
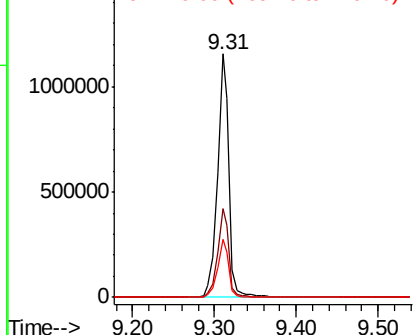
#45
2-Fluorobiphenyl
Concen: 95.475 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tgt Ion:172 Resp: 1134085
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.8 19.7 29.5

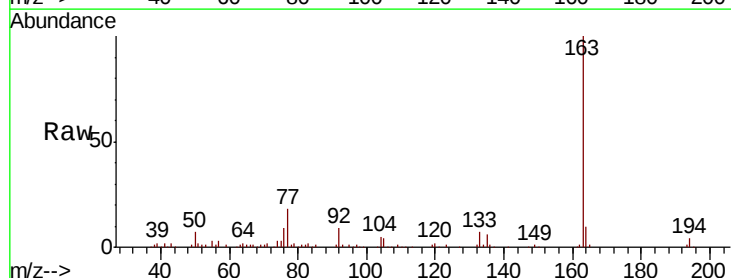


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

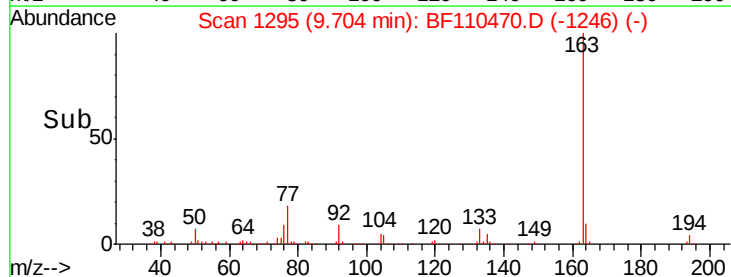
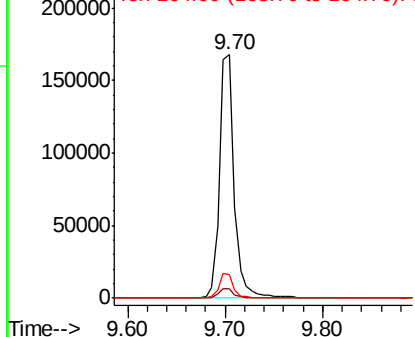


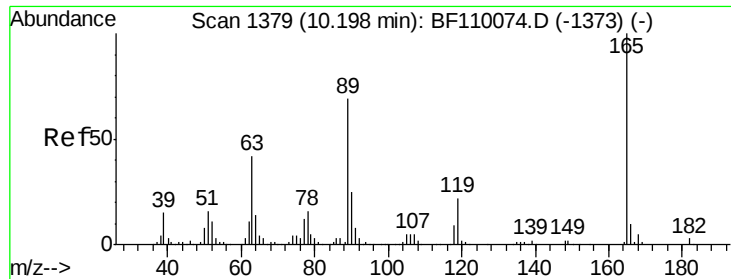
#50
Dimethylphthalate
Concen: 12.785 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion:163 Resp: 176034
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.8 8.1 12.1



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

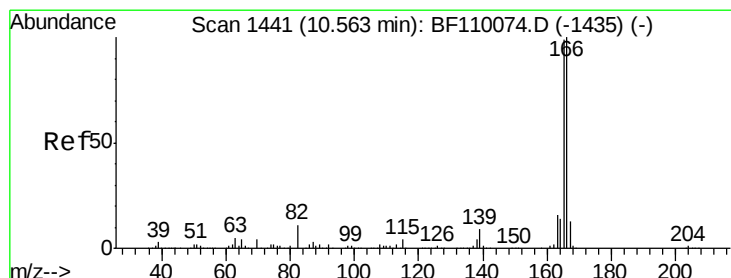
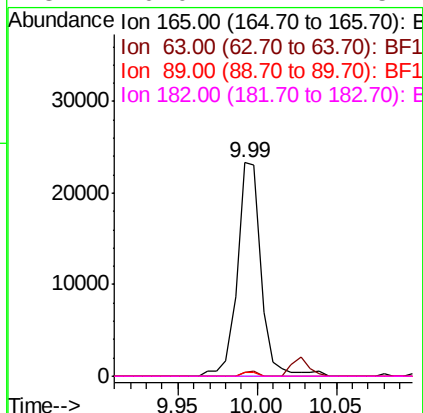
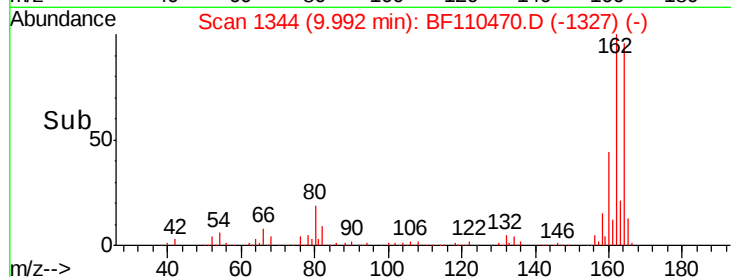
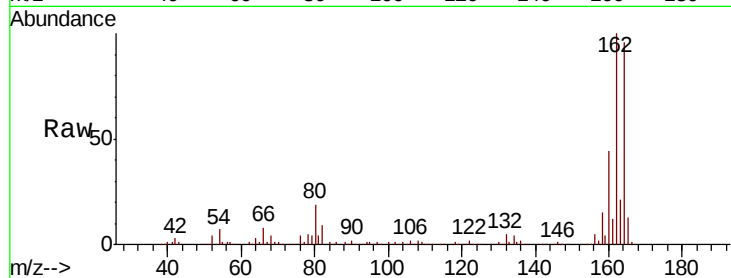




#57
 2,4-Dinitrotoluene
 Concen: 6.457 ng
 RT: 9.99 min Scan# 1344
 Delta R.T. -0.20 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

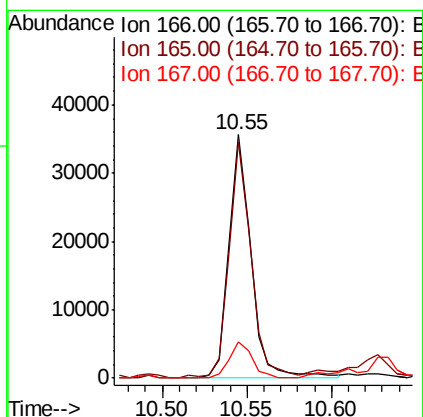
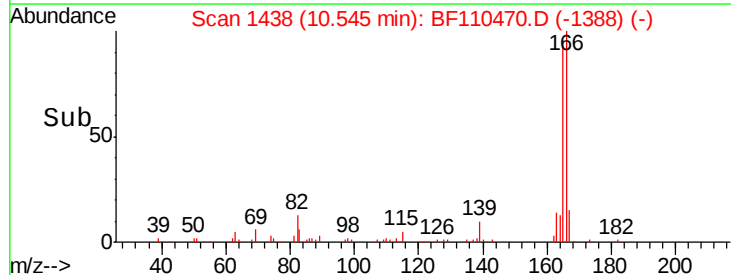
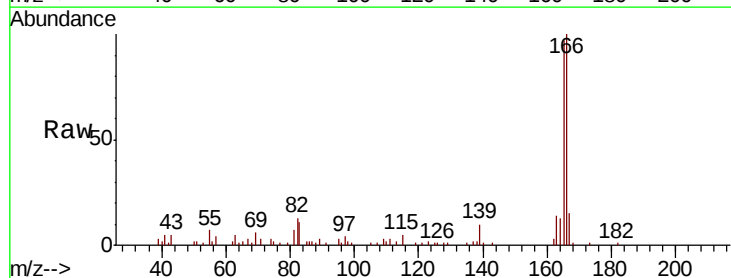
Instrument :
 BNA_F
 ClientSampleId :
 TP4-B

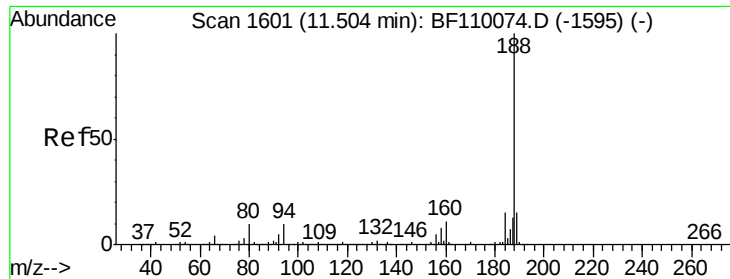
Tgt Ion:	165	Resp:	24323
Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.8	67.2#
89	2.1	62.2	93.4#
182	0.0	2.1	3.1#



#58
 Fluorene
 Concen: 2.639 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

Tgt Ion:	166	Resp:	32503
Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.6	117.8
167	15.0	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

ClientSampleId :

TP4-B

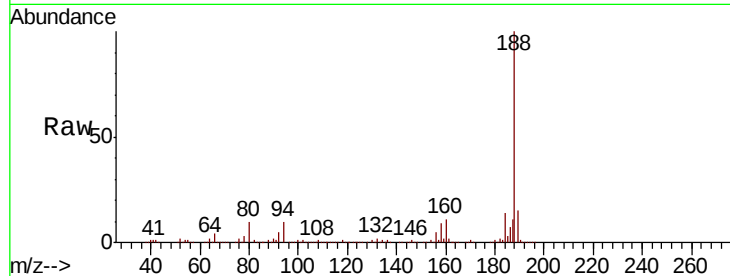
Tgt Ion:188 Resp: 333187

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

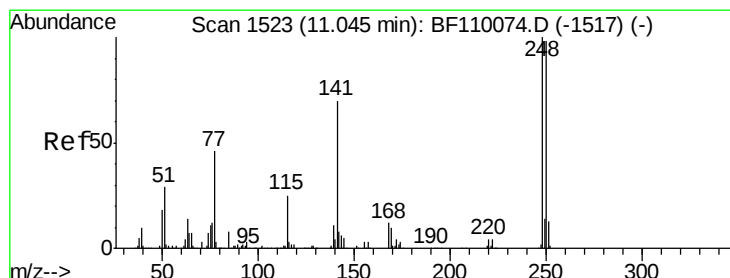
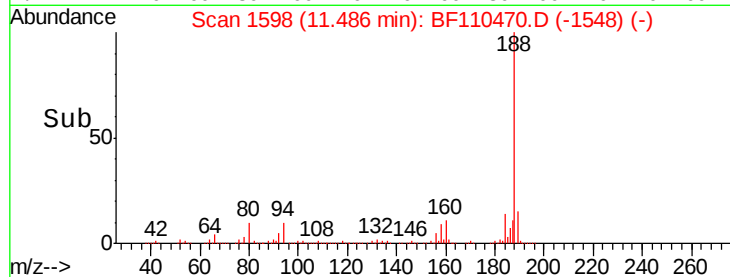
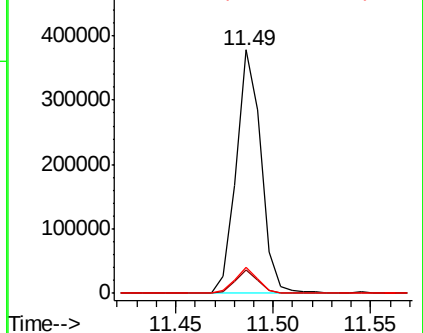
80 10.5 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 4.733 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.24 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

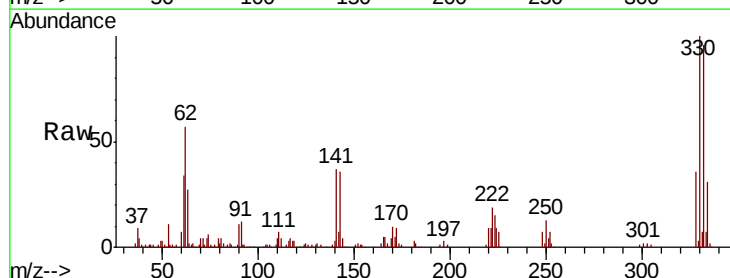
Tgt Ion:248 Resp: 17105

Ion Ratio Lower Upper

248 100

250 190.0 79.4 119.2#

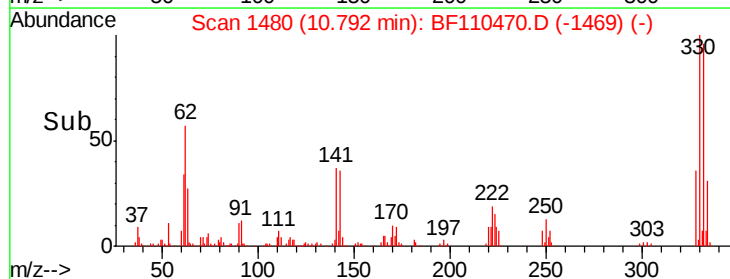
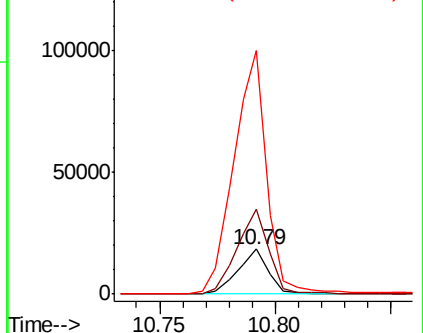
141 544.4 55.9 83.9#

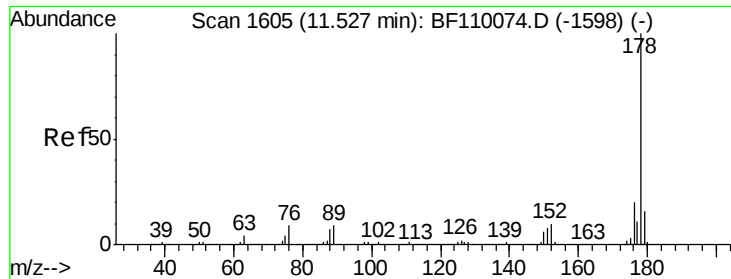


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

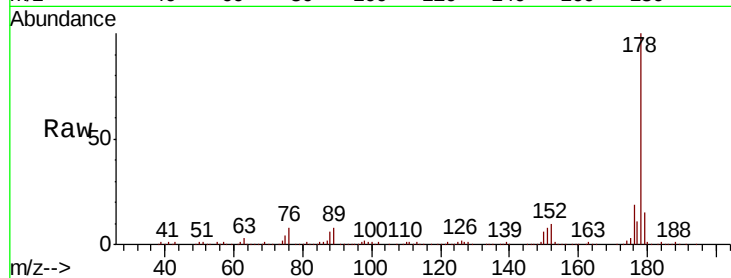




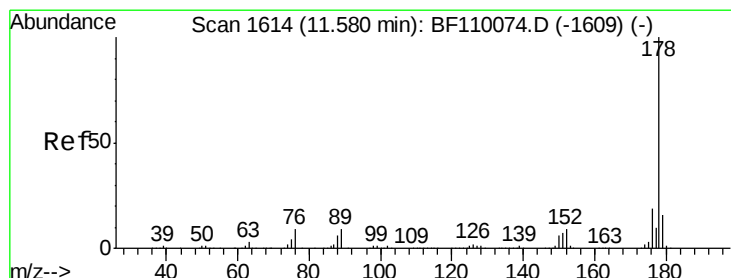
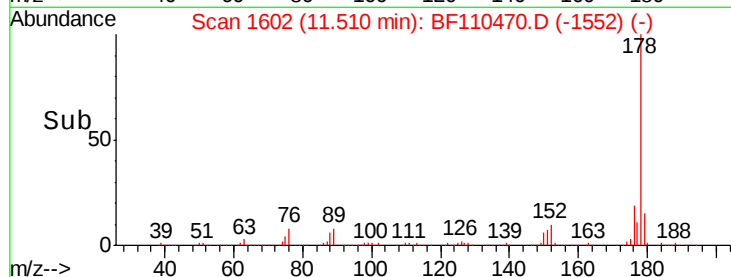
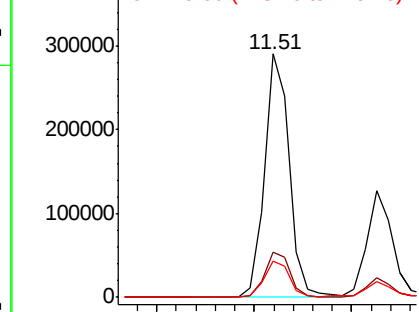
#71
Phenanthrene
Concen: 14.551 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tgt Ion:178 Resp: 253686
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.9 12.5 18.7

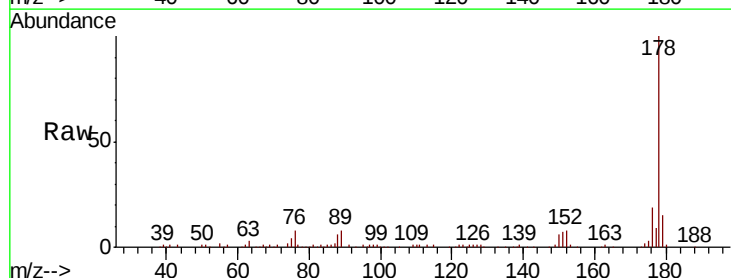


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

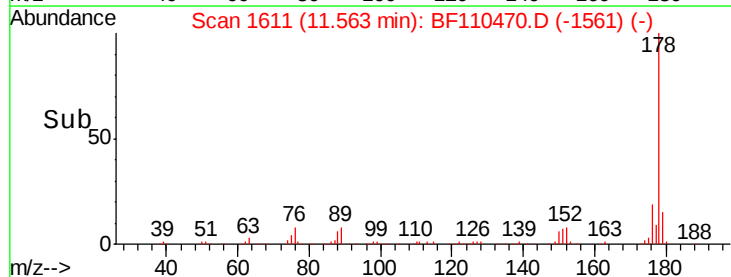
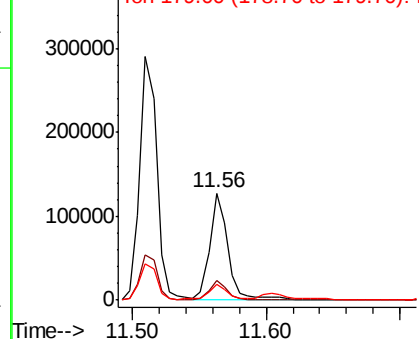


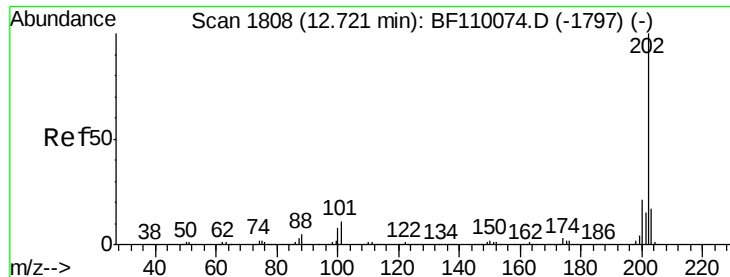
#72
Anthracene
Concen: 6.916 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion:178 Resp: 120855
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
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





#75

Fluoranthene

Concen: 25.029 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

ClientSampleId :

TP4-B

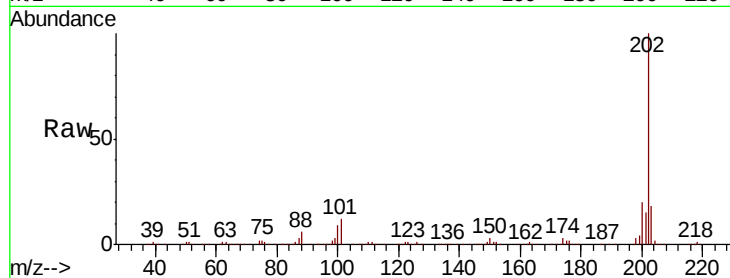
Tgt Ion:202 Resp: 442848

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.4

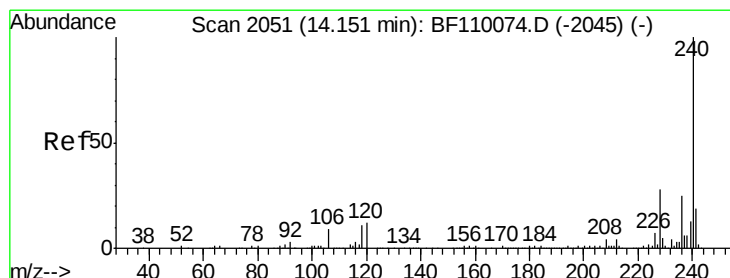
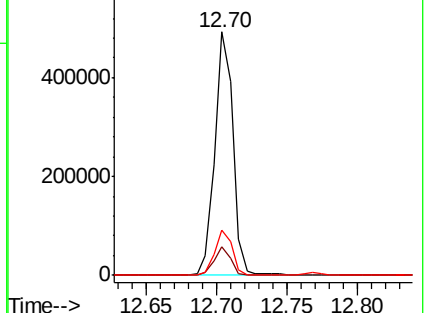
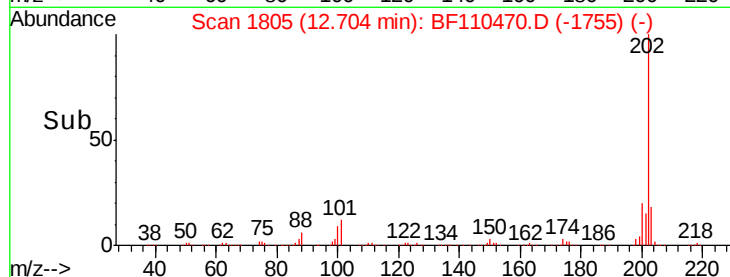
203 18.4 0.0 37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

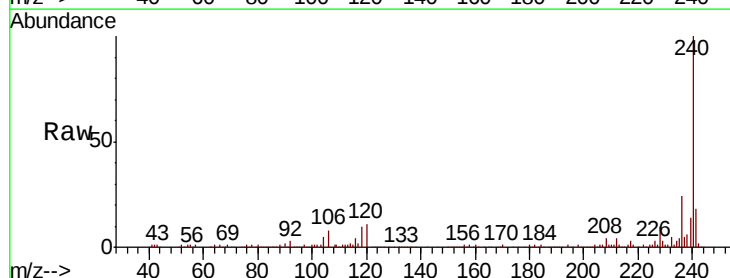
Tgt Ion:240 Resp: 189336

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

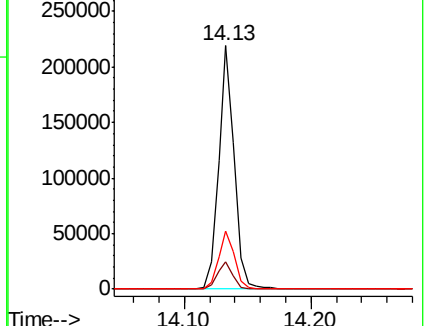
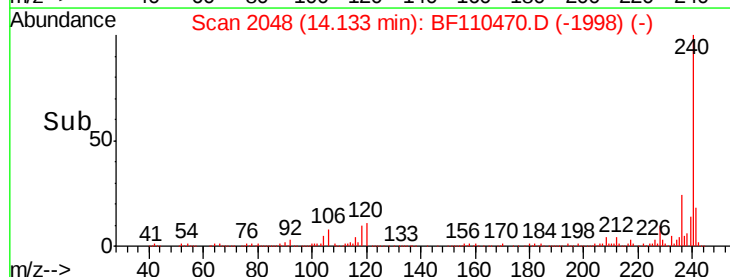
236 23.9 21.2 31.8

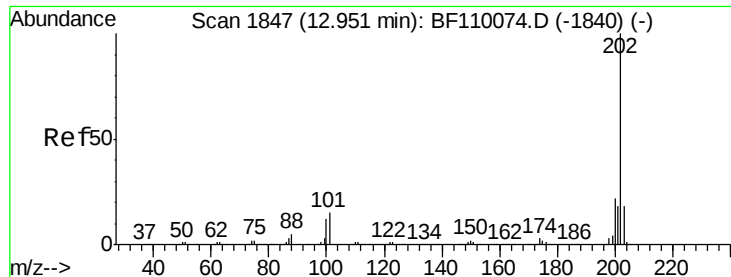


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 24.496 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

Instrument :

BNA_F

ClientSampleId :

TP4-B

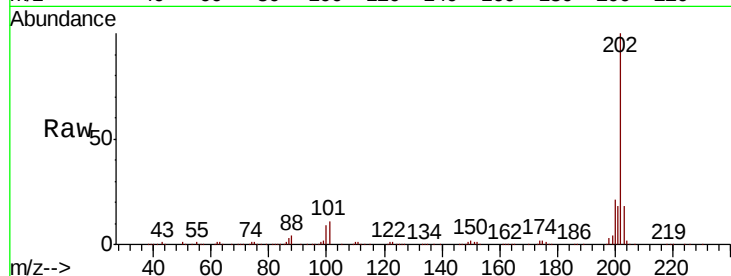
Tgt Ion:202 Resp: 332503

Ion Ratio Lower Upper

202 100

200 20.7 17.8 26.6

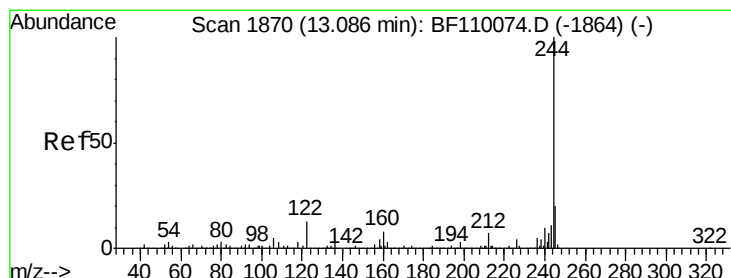
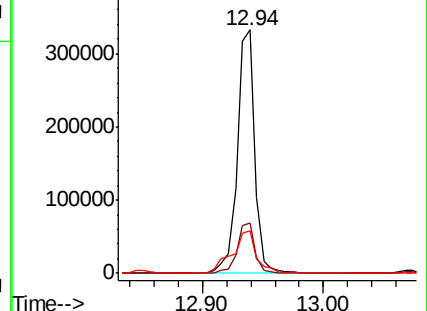
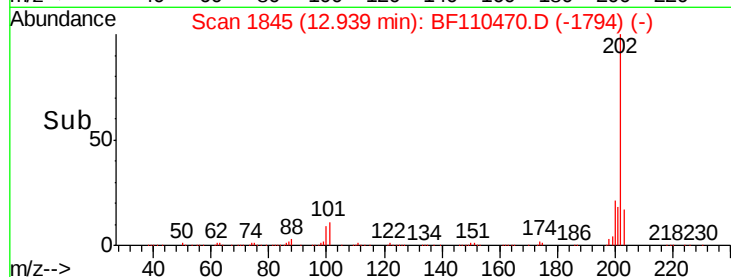
203 17.7 14.2 21.4



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: 107.572 ng

RT: 13.07 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BF110470.D

Acq: 5 Nov 2018 17:36

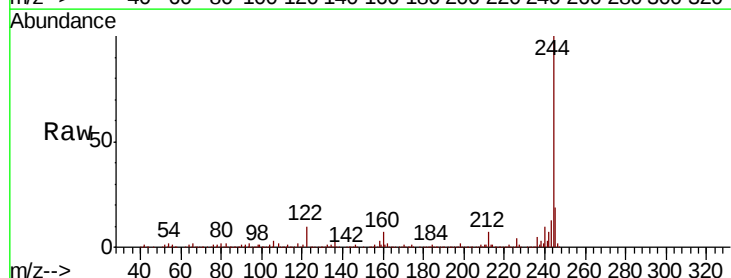
Tgt Ion:244 Resp: 979335

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

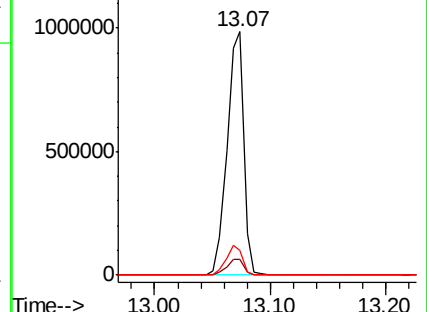
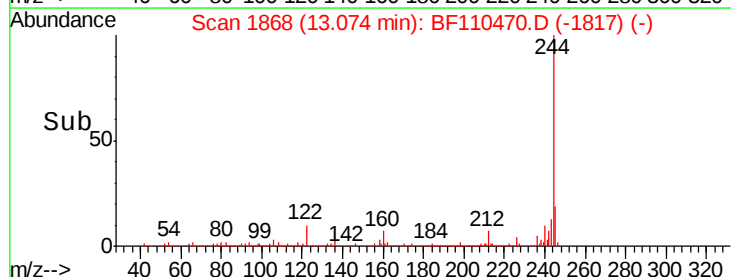
122 10.0 8.7 13.1

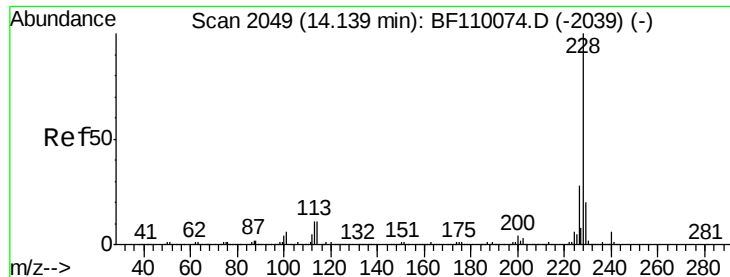


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

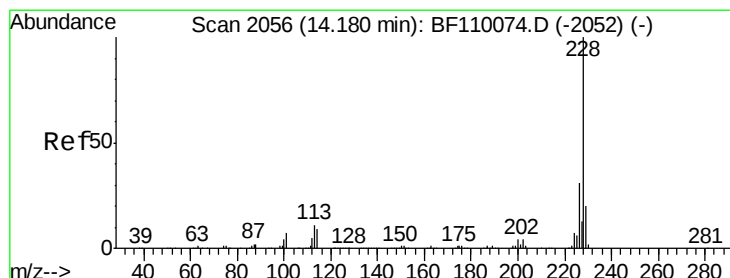
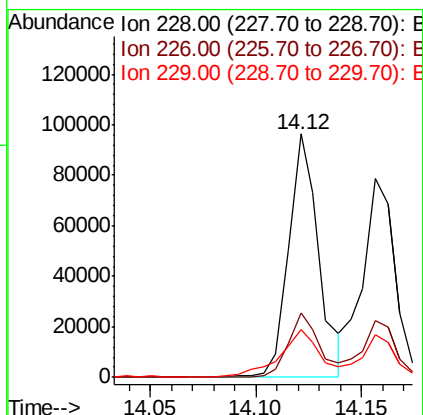
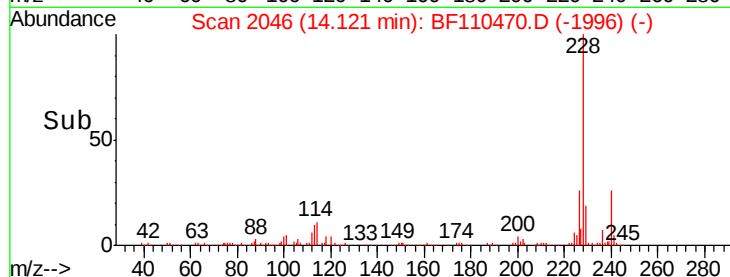
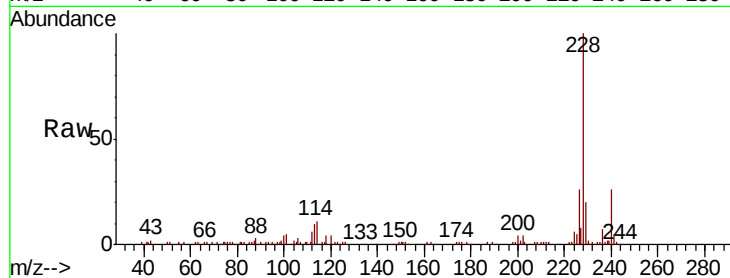




#81
Benzo(a)anthracene
Concen: 8.565 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

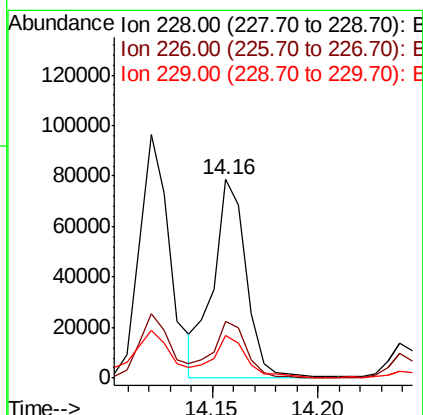
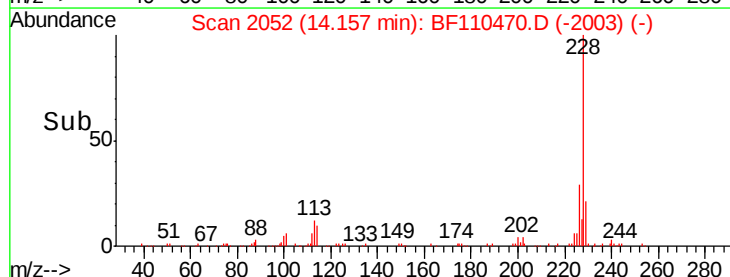
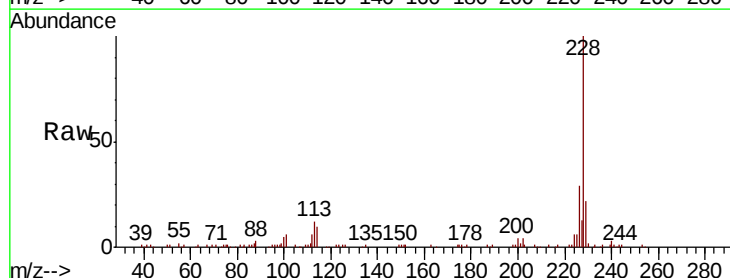
Instrument :
BNA_F
ClientSampleId :
TP4-B

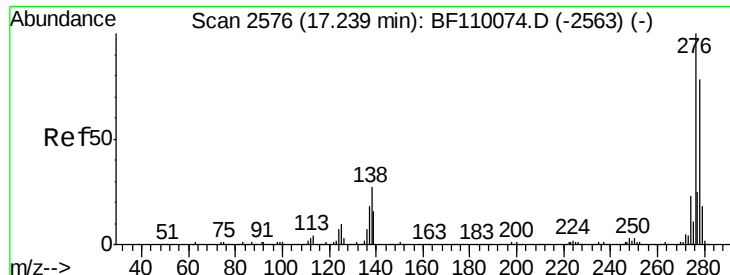
Tgt Ion:228 Resp: 96167
Ion Ratio Lower Upper
228 100
226 26.4 22.1 33.1
229 19.7 15.6 23.4



#83
Chrysene
Concen: 8.024 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion:228 Resp: 85576
Ion Ratio Lower Upper
228 100
226 28.7 24.7 37.1
229 21.6 15.9 23.9

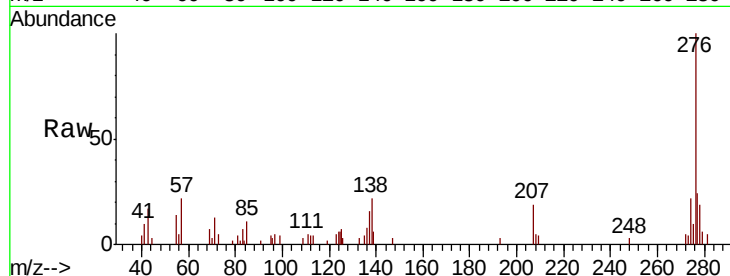




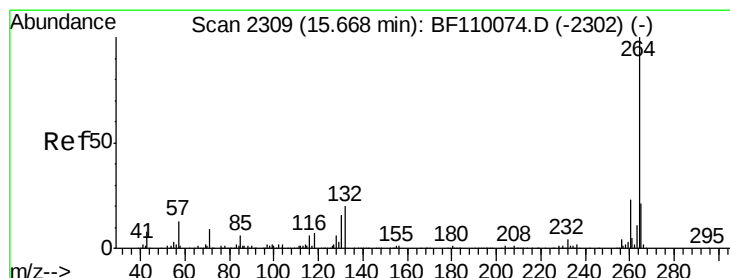
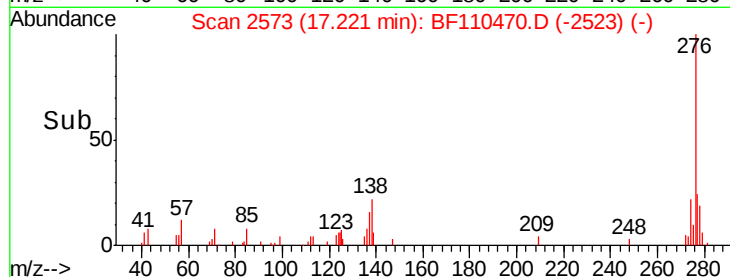
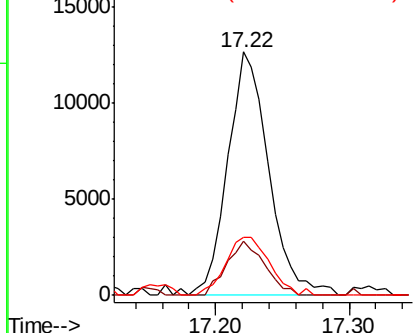
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.055 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

Instrument :
 BNA_F
 ClientSampleId :
 TP4-B

Tgt Ion:276 Resp: 27032
 Ion Ratio Lower Upper
 276 100
 138 20.8 18.5 27.7
 277 25.6 20.0 30.0

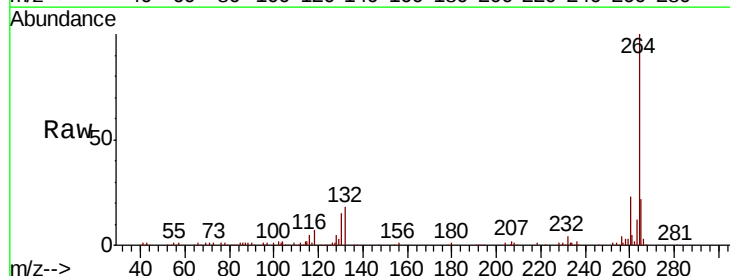


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

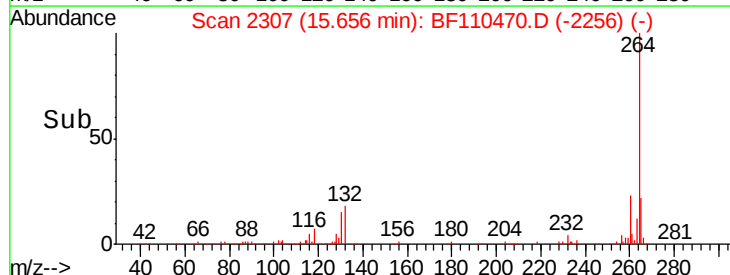
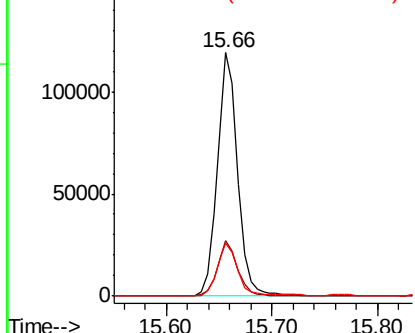


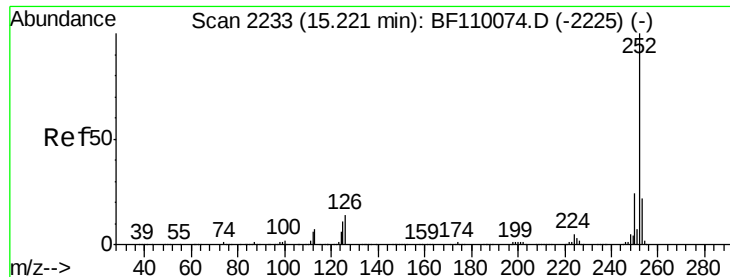
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110470.D
 Acq: 5 Nov 2018 17:36

Tgt Ion:264 Resp: 161178
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.7 28.1
 265 21.5 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

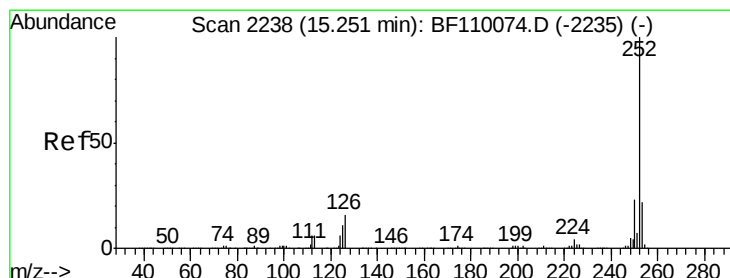
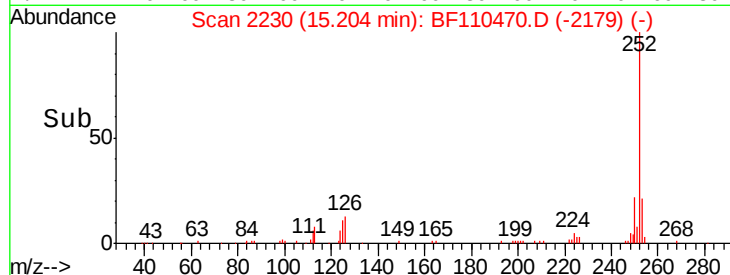
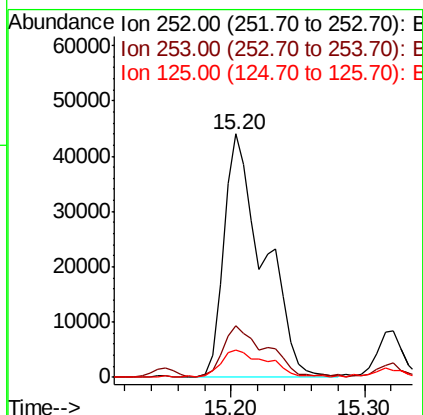
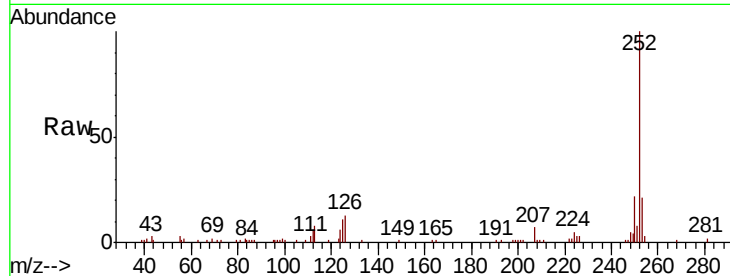




#88
Benzo(b)fluoranthene
Concen: 9.836 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

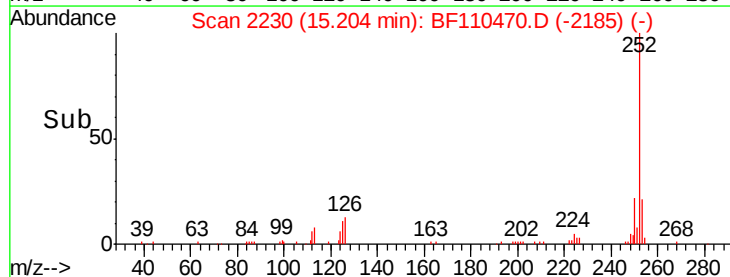
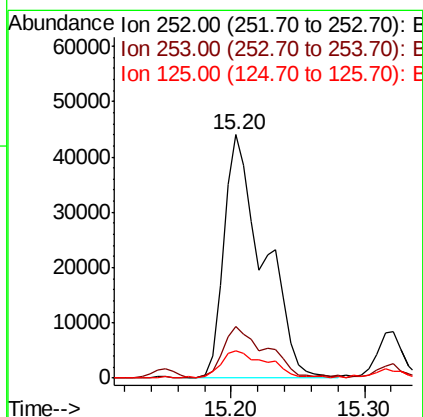
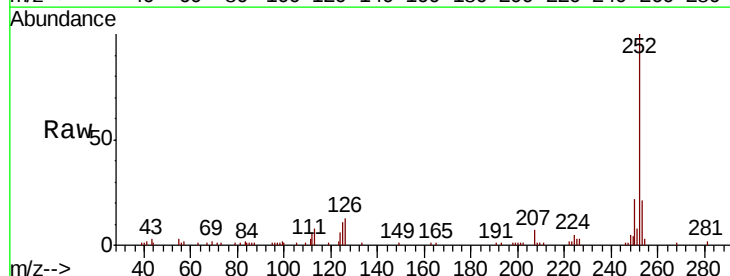
Instrument :
BNA_F
ClientSampleId :
TP4-B

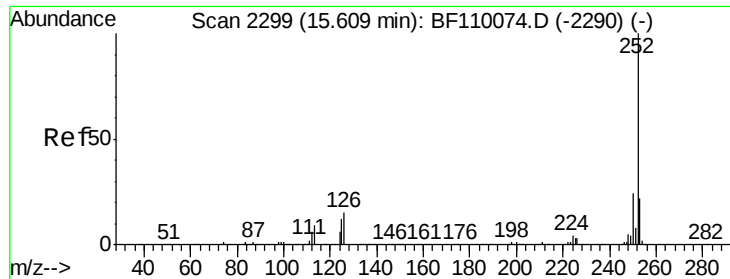
Tgt Ion:252 Resp: 91544
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 11.3 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 10.005 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion:252 Resp: 91544
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 11.3 7.4 11.0#

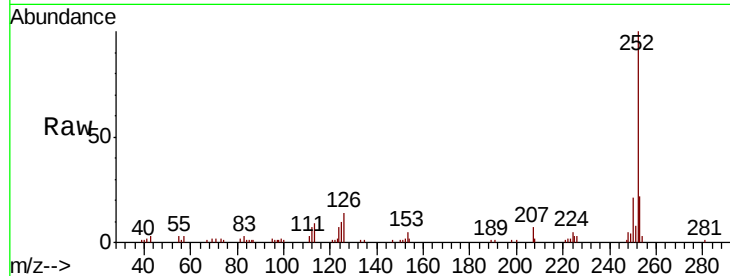




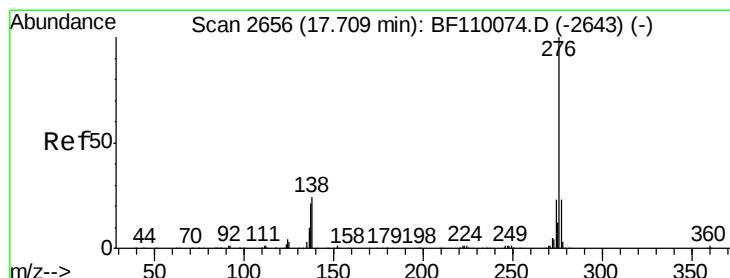
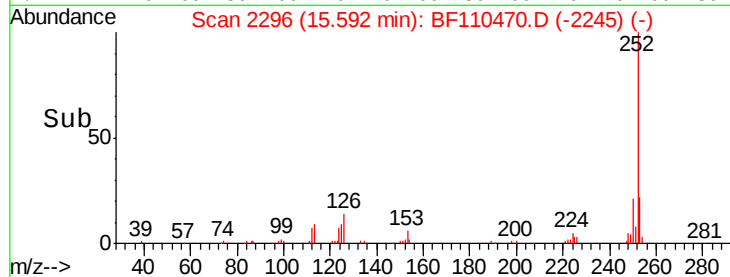
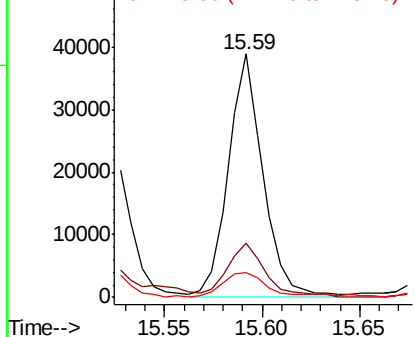
#90
Benzo(a)pyrene
Concen: 5.613 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Instrument :
BNA_F
ClientSampleId :
TP4-B

Tgt Ion:252 Resp: 48073
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.4
125 10.2 9.0 13.6

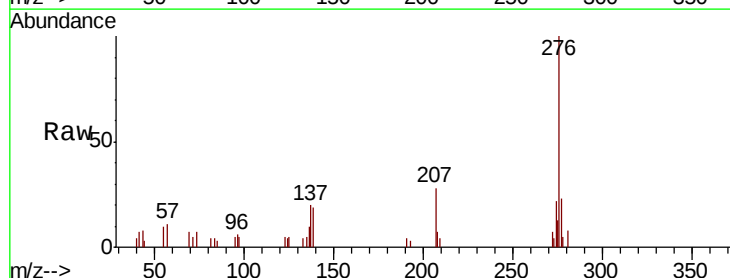


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.305 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.00 min
Lab File: BF110470.D
Acq: 5 Nov 2018 17:36

Tgt Ion:276 Resp: 24069
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 18.6 16.0 24.0



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

