

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041018\
 Data File : BF104400.D
 Acq On : 10 Apr 2018 11:30
 Operator : JU/SJ
 Sample : J2296-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Quant Time: Apr 10 14:34:46 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	162254	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	650140	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	291969	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	475576	20.00	ng	0.00
75) Chrysene-d12	13.98	240	326708	20.00	ng	0.00
86) Perylene-d12	15.44	264	311316	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1342045	126.47	ng	0.02
7) Phenol-d6	6.45	99	1667793	127.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	1066900	107.16	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	389971	128.76	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1577551	85.36	ng	0.00
78) Terphenyl-d14	12.93	244	1157220	80.75	ng	0.00

Target Compounds

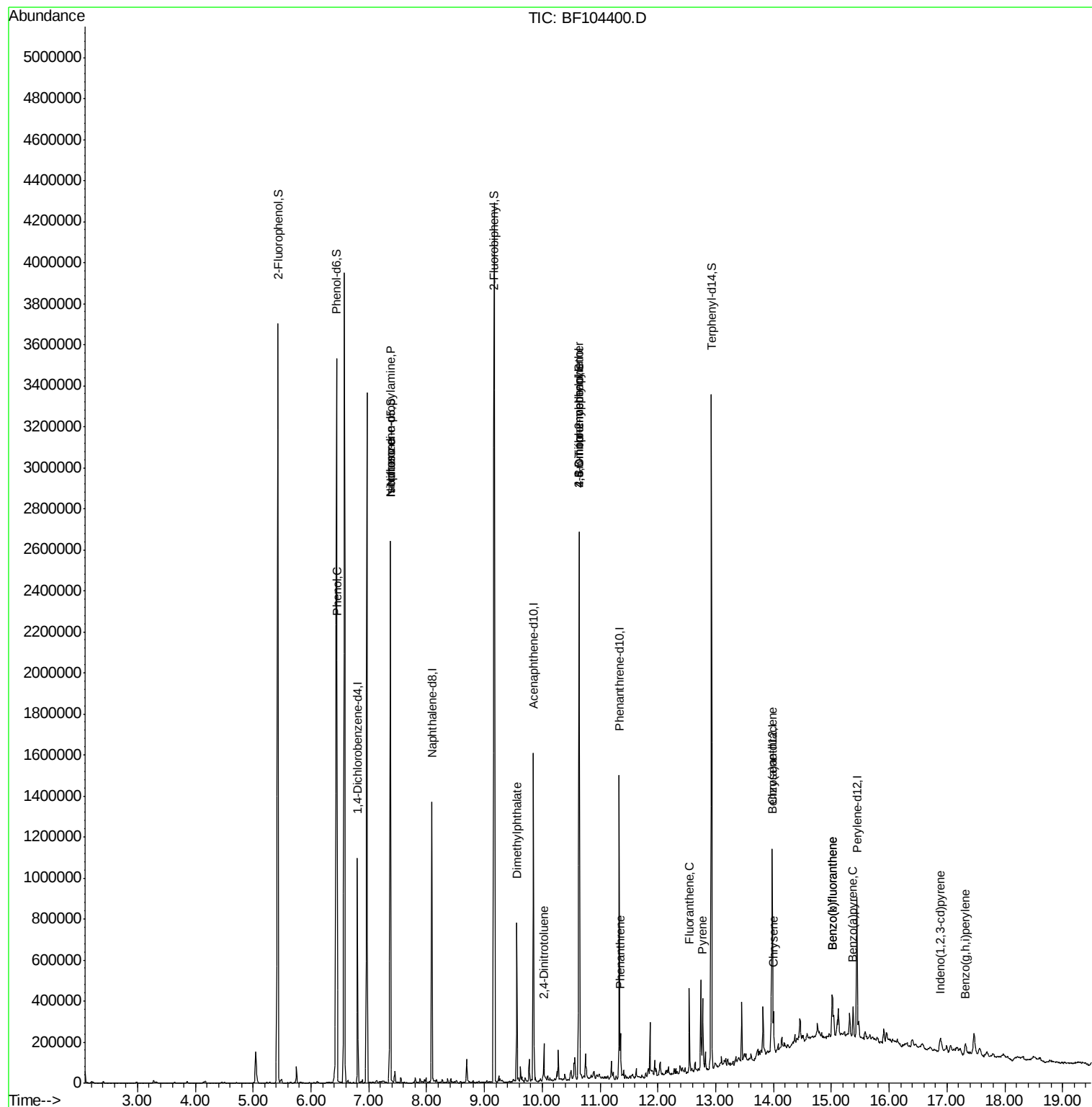
						Qvalue
9) Benzaldehyde	6.36	77	1104	Below Cal	#	82
10) Phenol	6.46	94	132297	9.563	ng	90
19) n-Nitroso-di-n-propylamine	7.37	70	140200	16.456	ng	# 75
25) Isophorone	7.37	82	1063164	50.496	ng	# 64
49) Dimethylphthalate	9.56	163	311575	13.533	ng	99
56) 2,4-Dinitrotoluene	10.03	165	25628	4.586	ng	94
64) 4,6-Dinitro-2-methylphenol	10.64	198	648	7.584	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	22814	4.510	ng	# 1
70) Phenanthrene	11.36	178	68481	2.586	ng	97
74) Fluoranthene	12.54	202	147078	5.315	ng	99
76) Benzidine	12.93	184	15699	Below Cal		98
77) Pyrene	12.77	202	128885	5.322	ng	98
80) Benzo(a)anthracene	13.97	228	68238	3.496	ng	96
82) Chrysene	14.00	228	73429	3.663	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	43035	2.527	ng	92
87) Benzo(b)fluoranthene	15.02	252	141801	7.212	ng	# 93
88) Benzo(k)fluoranthene	15.02	252	141801	7.639	ng	96
89) Benzo(a)pyrene	15.37	252	69501	3.951	ng	# 94
91) Benzo(g,h,i)perylene	17.32	276	37359	2.669	ng	96

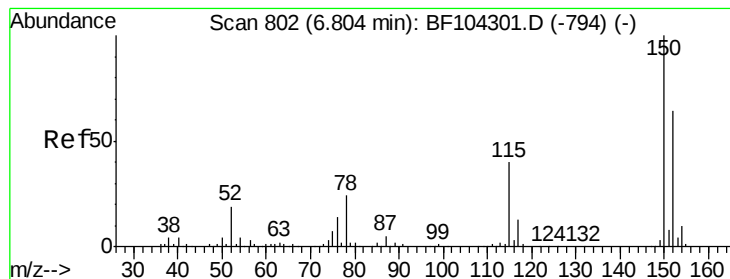
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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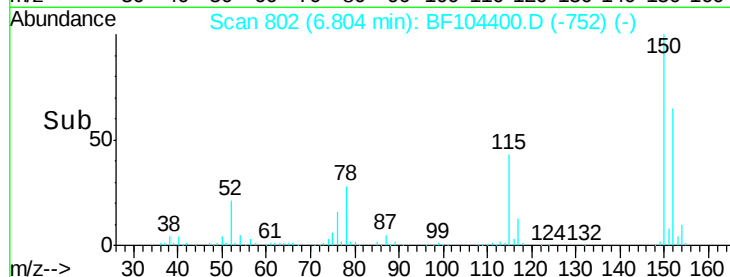
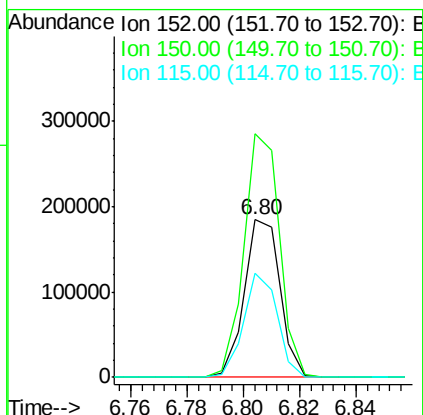
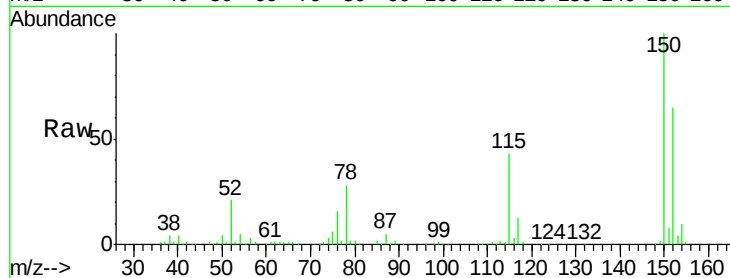


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Instrument :
BNA_F
ClientSampleId :
S-3-COMP

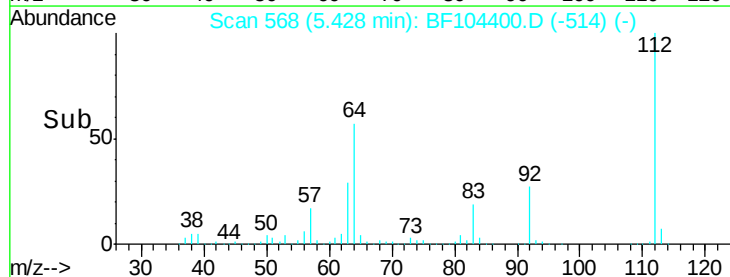
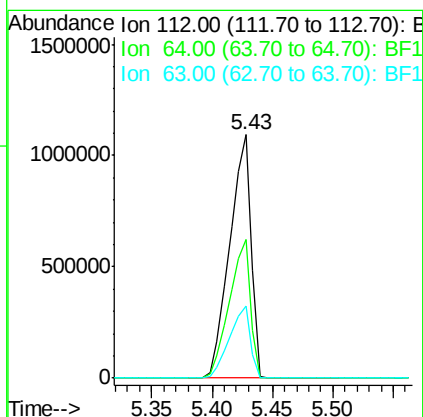
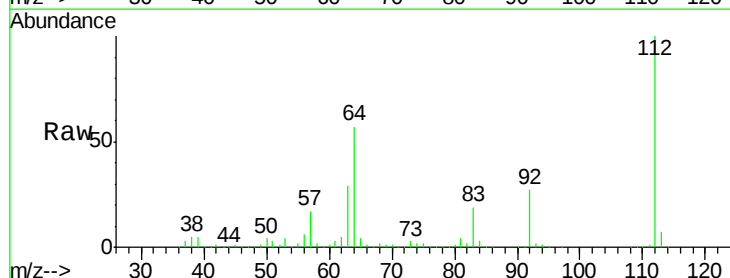
Tgt Ion:152 Resp: 162254
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 65.9 50.1 75.1

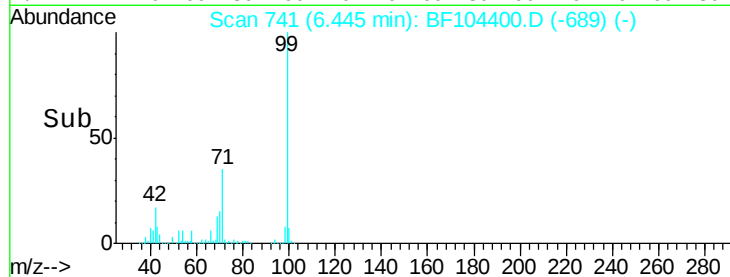
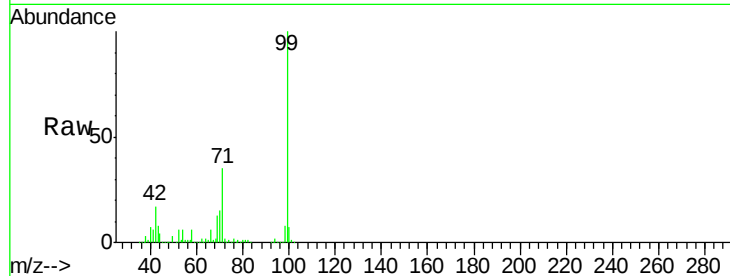


#5

2-Fluorophenol
Concen: 126.472 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion:112 Resp: 1342045
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.4 23.7 35.5





#7

Phenol-d6

Concen: 127.918 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

ClientSampleId :

S-3-COMP

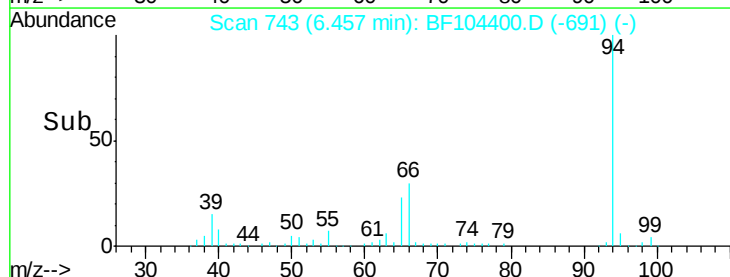
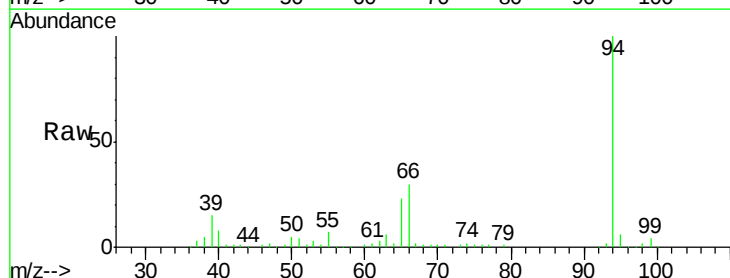
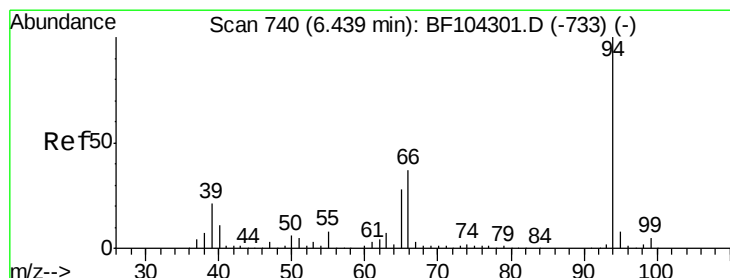
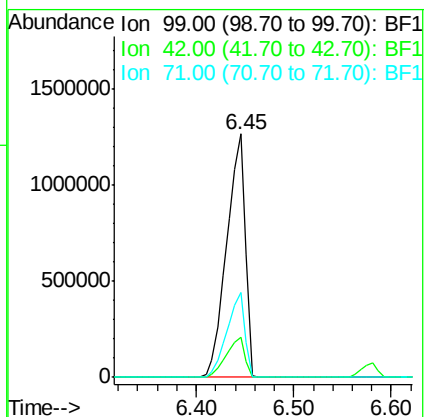
Tgt Ion: 99 Resp: 1667793

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 34.9 25.4 38.0



#10

Phenol

Concen: 9.563 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

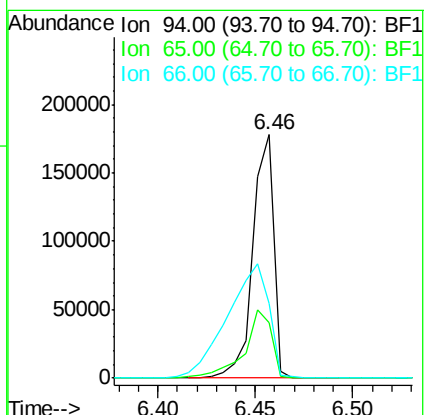
Tgt Ion: 94 Resp: 132297

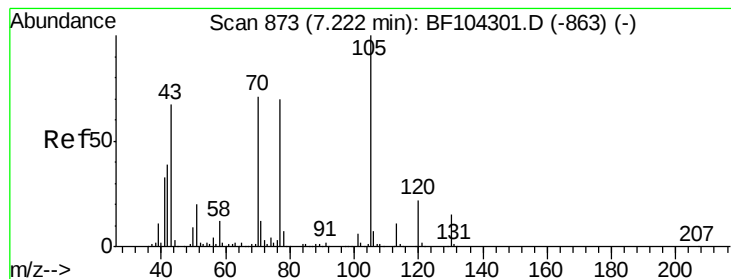
Ion Ratio Lower Upper

94 100

65 22.9 7.9 47.9

66 30.4 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 16.456 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

ClientSampleId :

S-3-COMP

Tgt Ion: 70 Resp: 140200

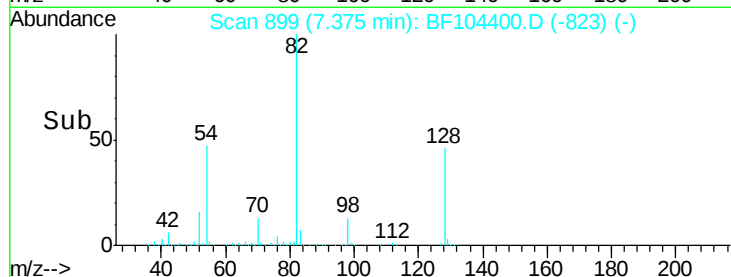
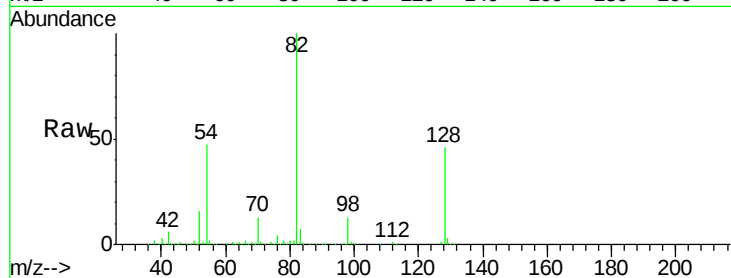
Ion Ratio Lower Upper

70 100

42 44.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

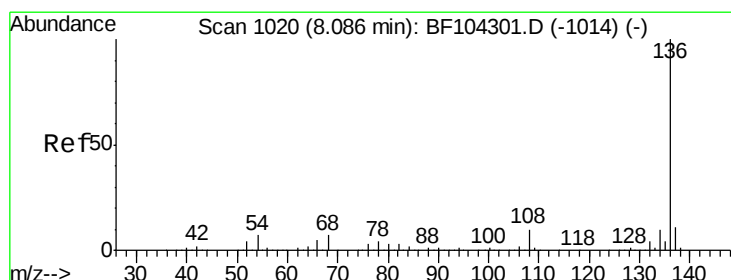
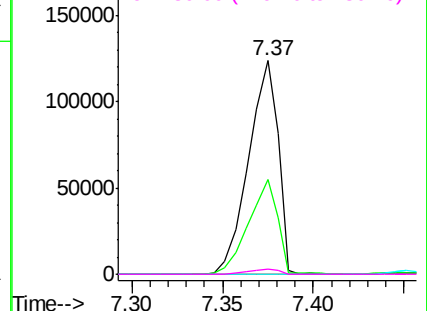


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Tgt Ion: 136 Resp: 650140

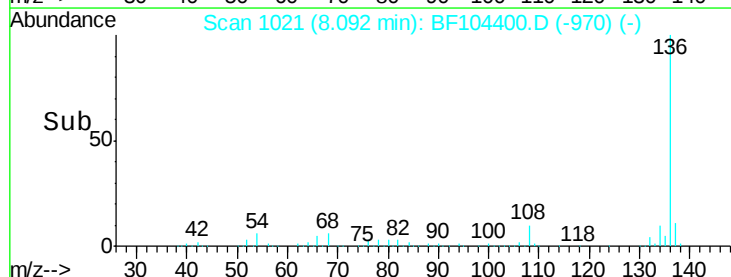
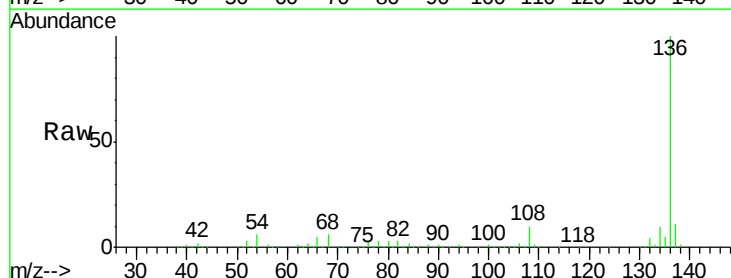
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.3 6.6 9.8#

68 6.1 5.0 7.4

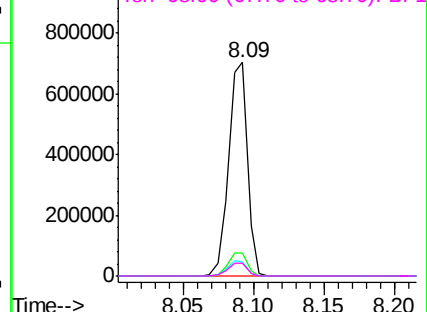


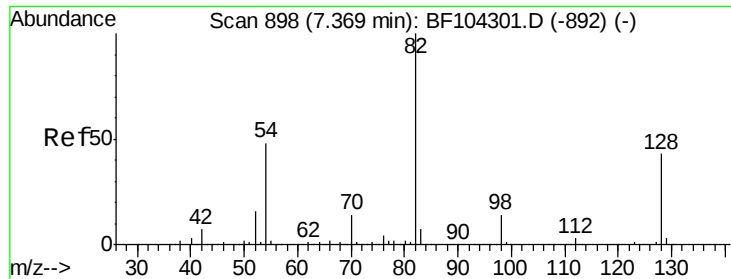
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 107.156 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

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ClientSampleId :

S-3-COMP

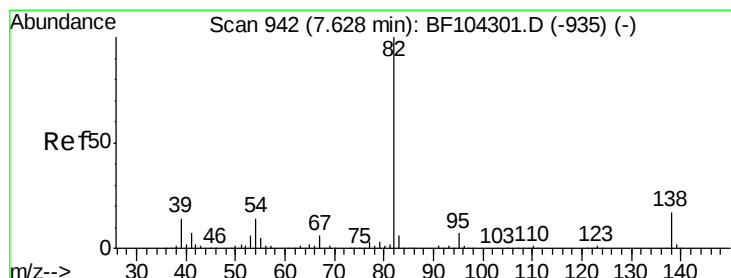
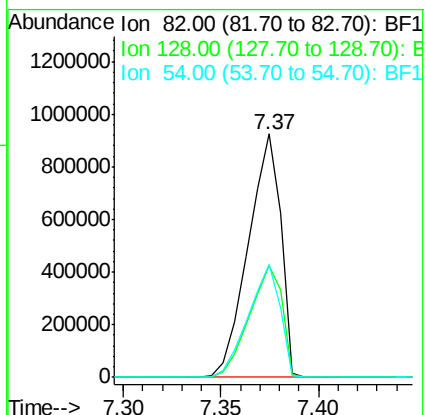
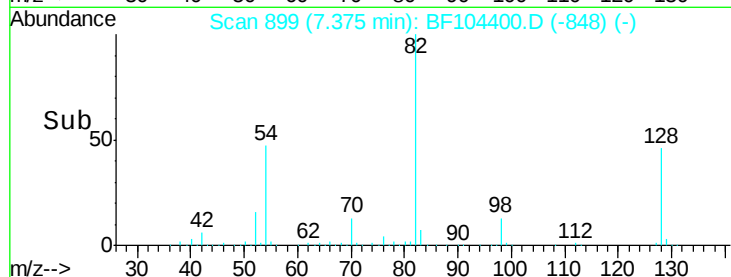
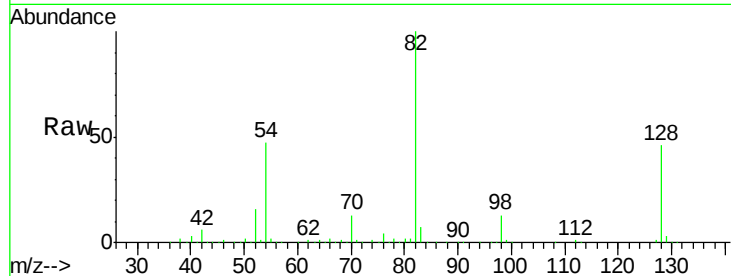
Tgt Ion: 82 Resp: 1066900

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

54 46.6 41.4 62.2



#25

Isophorone

Concen: 50.496 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

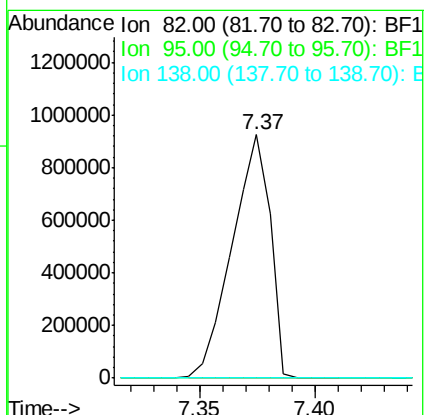
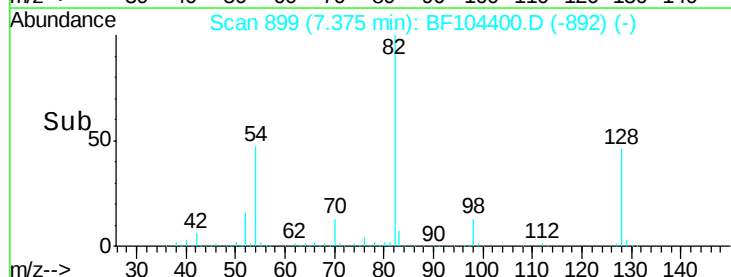
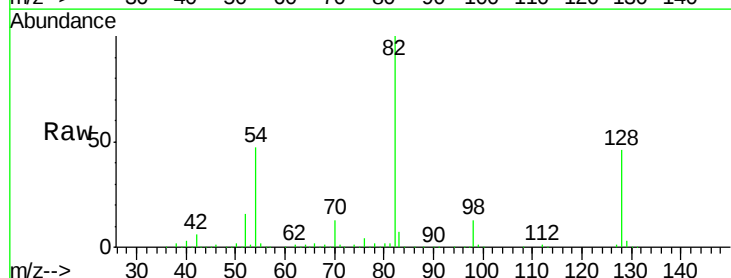
Tgt Ion: 82 Resp: 1063164

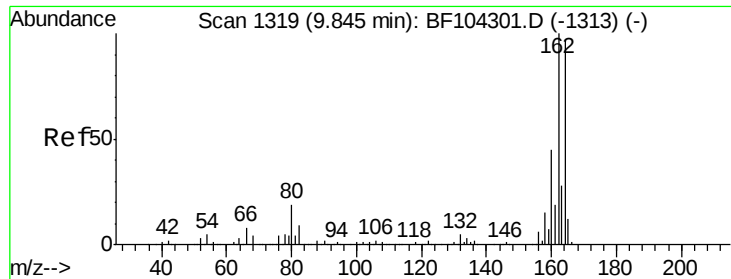
Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

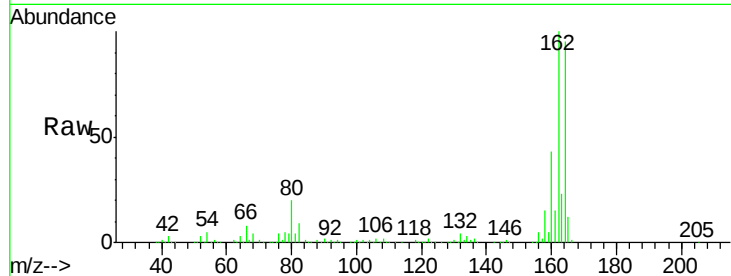




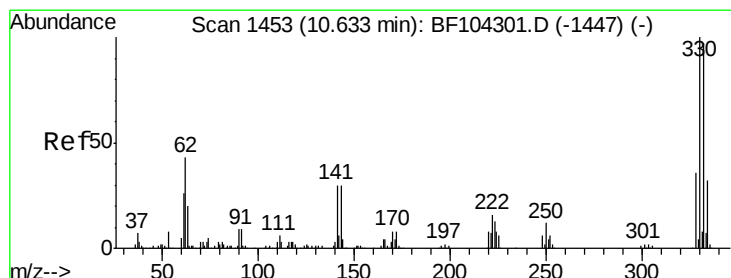
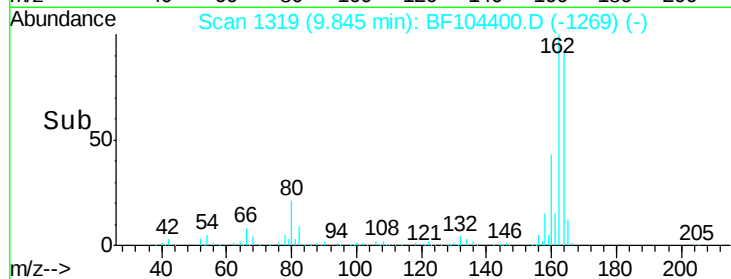
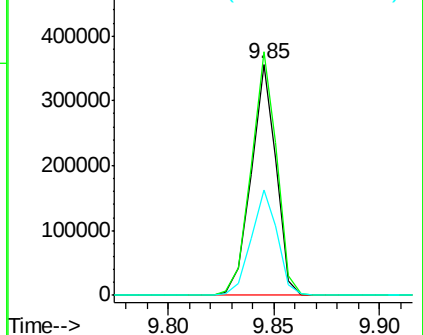
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Tgt Ion:164 Resp: 291969
 Ion Ratio Lower Upper
 164 100
 162 105.4 86.1 129.1
 160 45.7 38.3 57.5

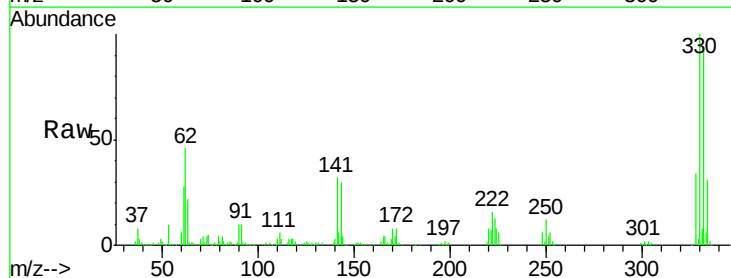


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

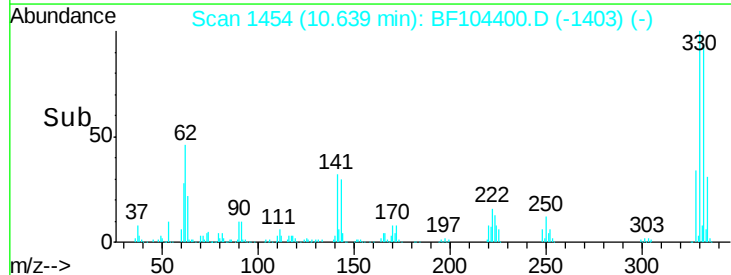
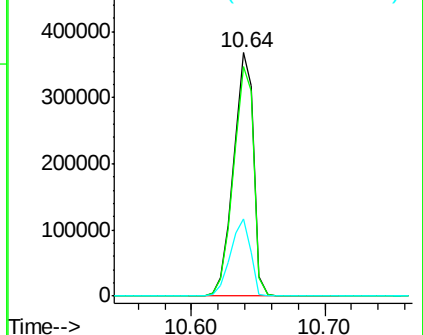


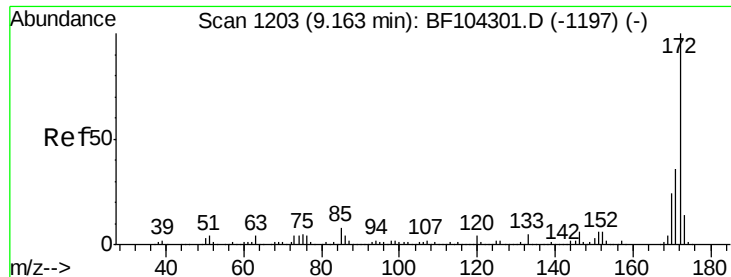
#41
 2,4,6-Tribromophenol
 Concen: 128.760 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Tgt Ion:330 Resp: 389971
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 32.2 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

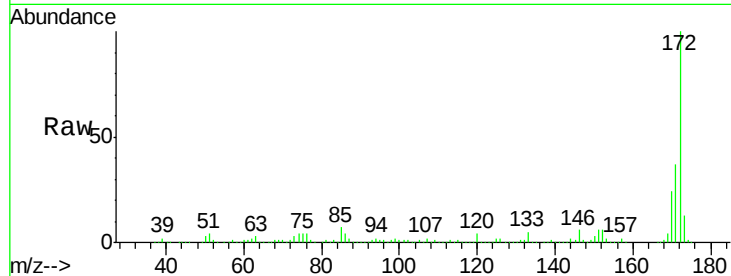




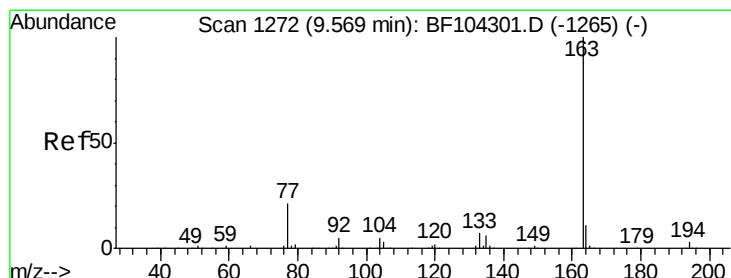
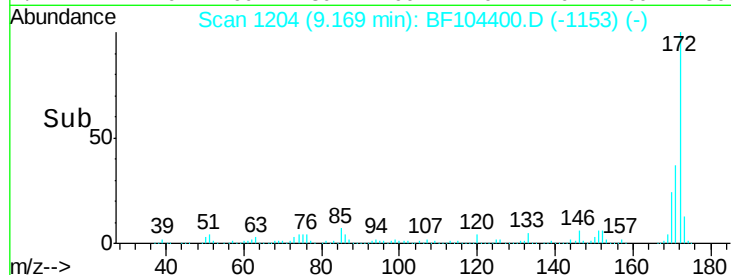
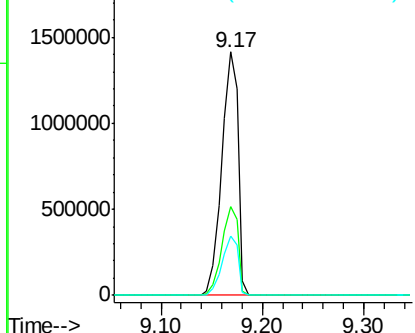
#44
 2-Fluorobiphenyl
 Concen: 85.356 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Tgt Ion:172 Resp: 1577551
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.3 19.6 29.4

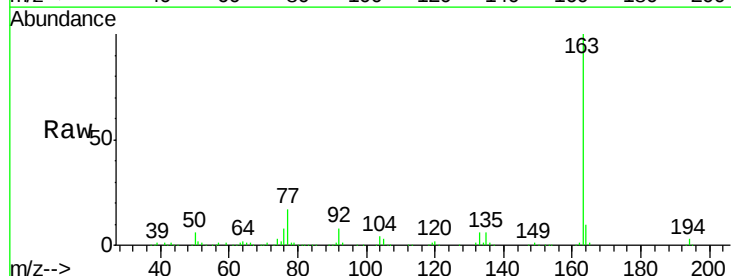


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

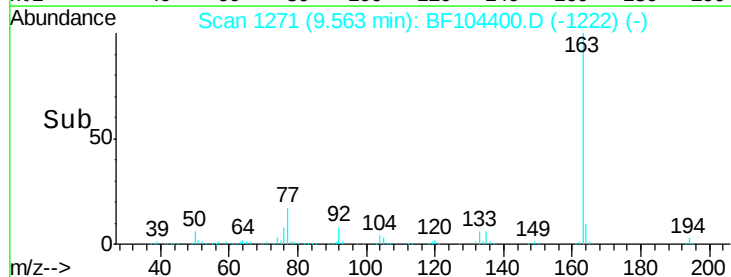
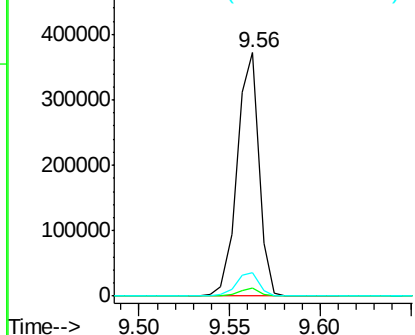


#49
 Dimethylphthalate
 Concen: 13.533 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Tgt Ion:163 Resp: 311575
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.7 4.1
 164 9.9 8.2 12.2



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

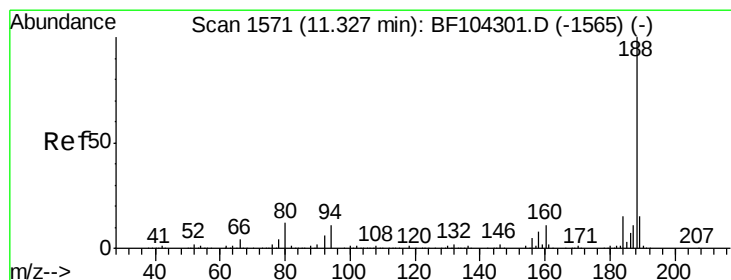
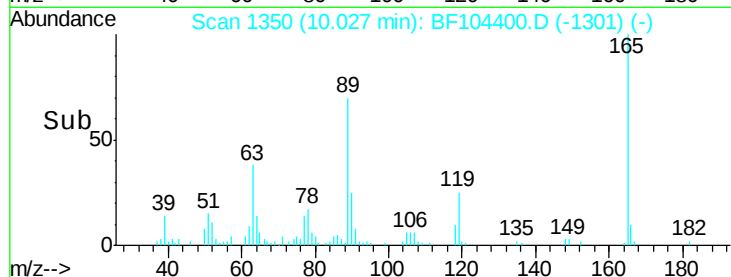
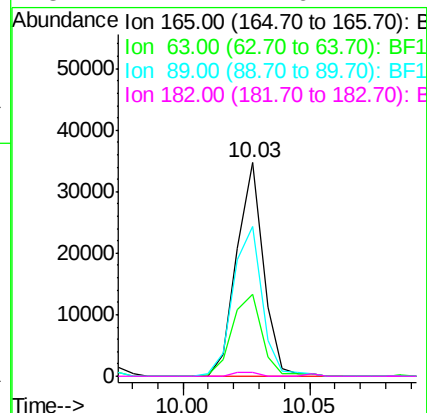
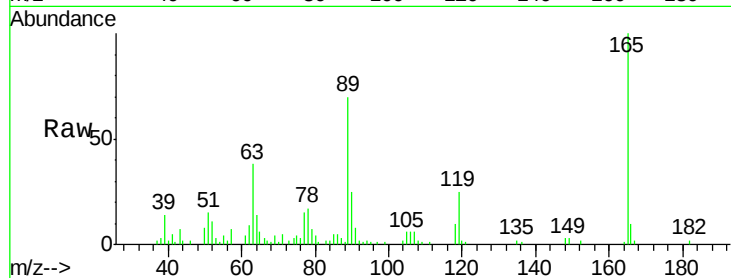




#56
 2,4-Dinitrotoluene
 Concen: 4.586 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

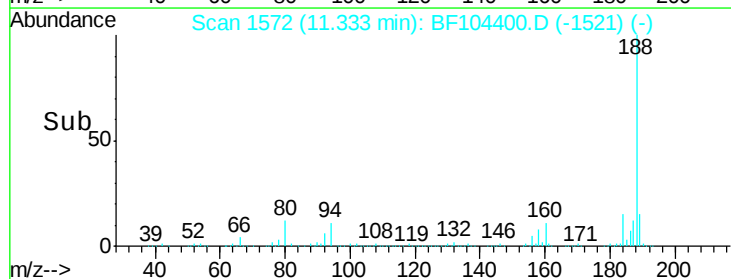
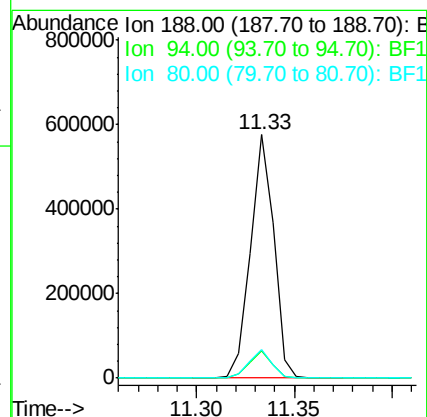
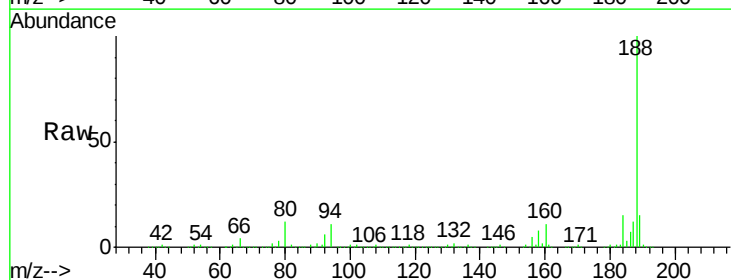
Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

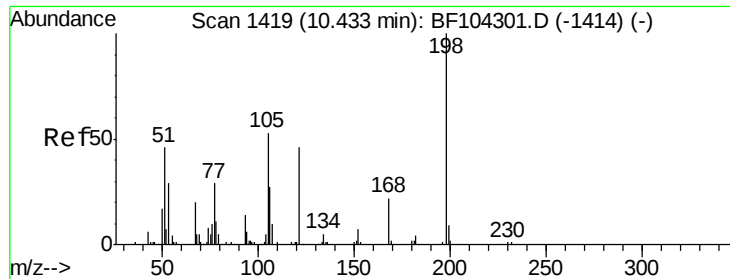
Tgt Ion:	165	Resp:	25628
Ion	Ratio	Lower	Upper
165	100		
63	38.5	36.4	54.6
89	70.1	57.8	86.6
182	2.1	1.6	2.4



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Tgt Ion:	188	Resp:	475576
Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.9	9.2	13.8

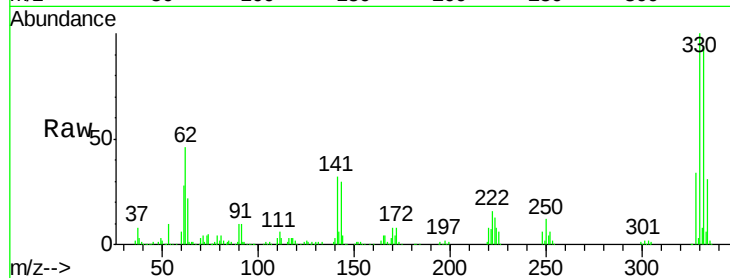




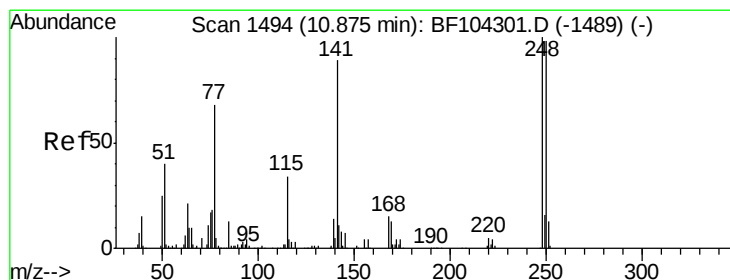
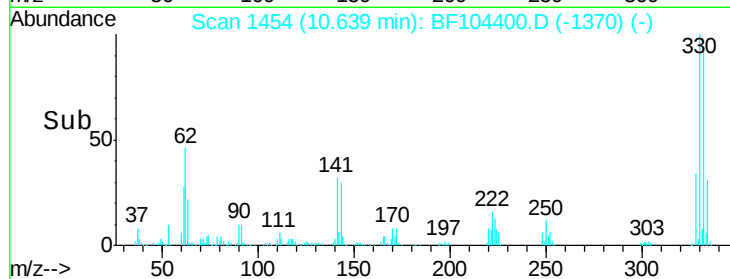
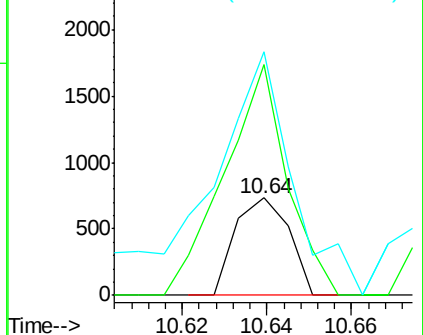
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.584 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

Tgt Ion:198 Resp: 648
 Ion Ratio Lower Upper
 198 100
 51 237.0 37.7 77.7#
 105 250.1 36.3 76.3#

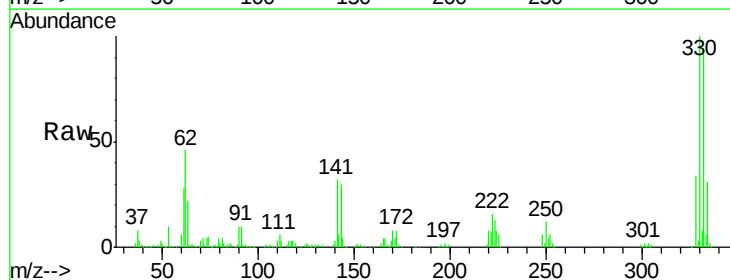


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

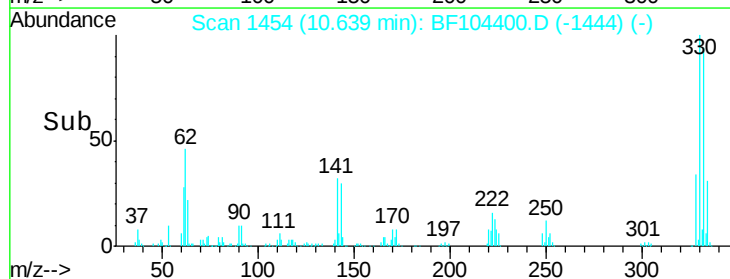
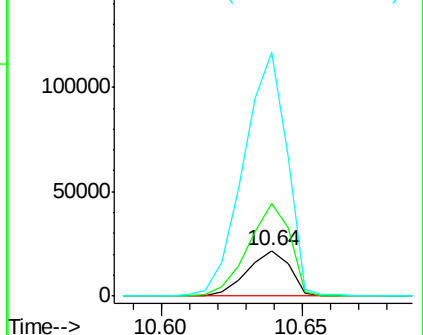


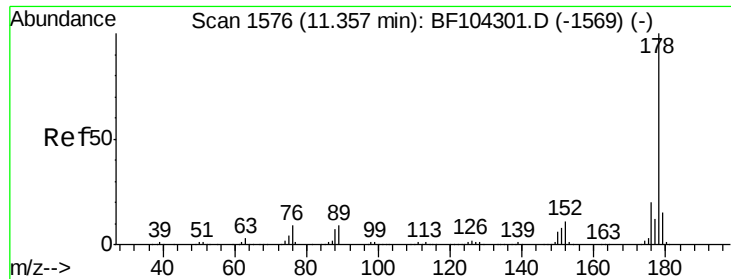
#66
 4-Bromophenyl-phenylether
 Concen: 4.510 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Tgt Ion:248 Resp: 22814
 Ion Ratio Lower Upper
 248 100
 250 203.0 76.9 115.3#
 141 535.1 74.4 111.6#



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

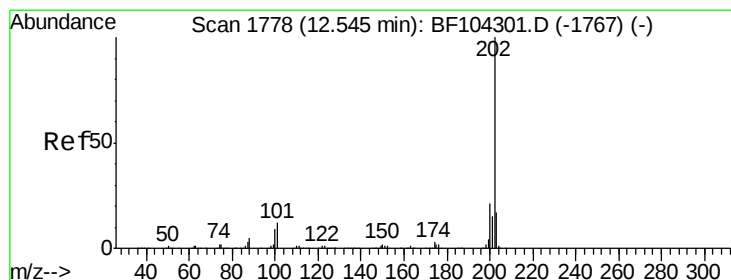
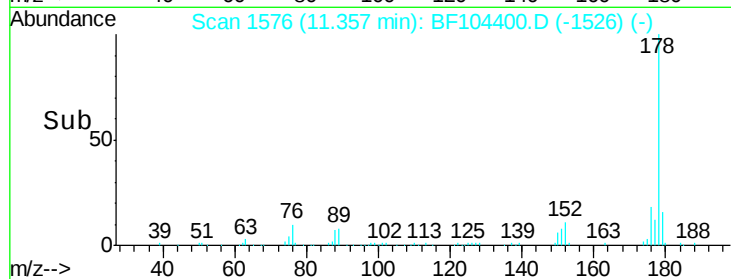
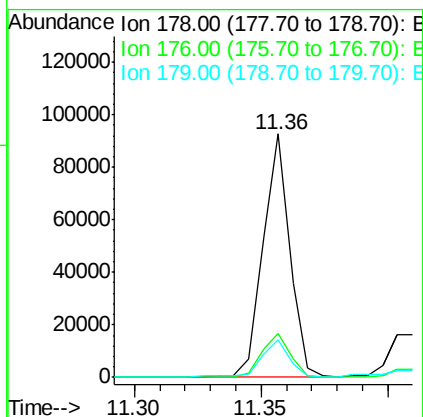
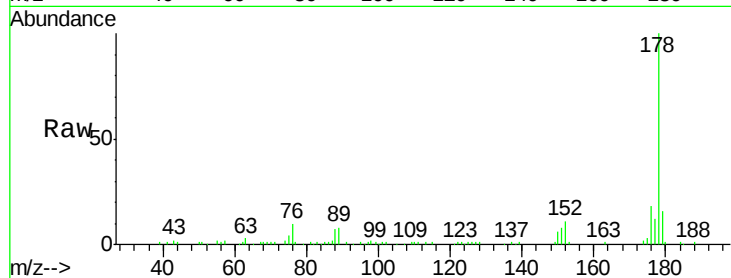




#70
Phenanthrene
Concen: 2.586 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

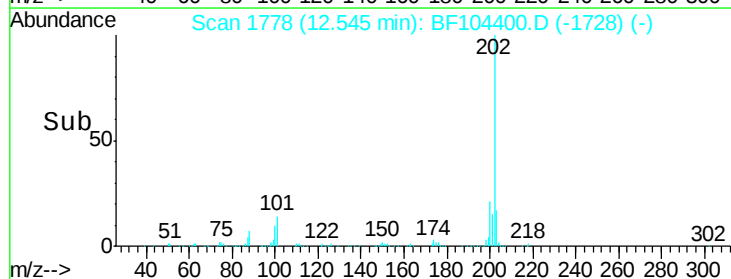
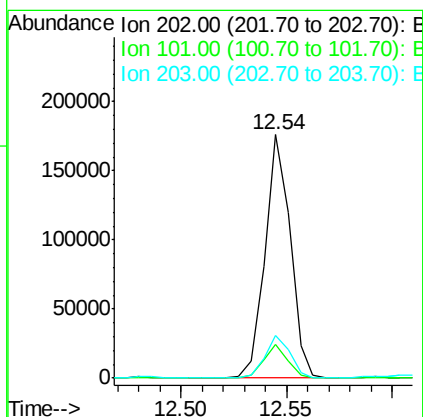
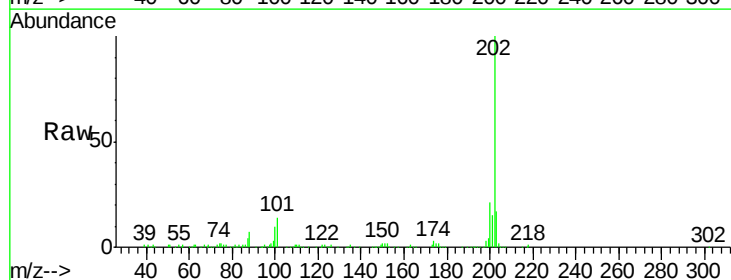
Instrument :
BNA_F
ClientSampleId :
S-3-COMP

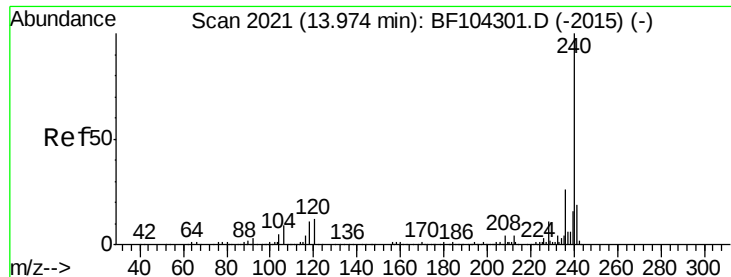
Tgt Ion:178 Resp: 68481
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 15.6 13.0 19.6



#74
Fluoranthene
Concen: 5.315 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion:202 Resp: 147078
Ion Ratio Lower Upper
202 100
101 13.8 0.0 34.1
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

ClientSampleId :

S-3-COMP

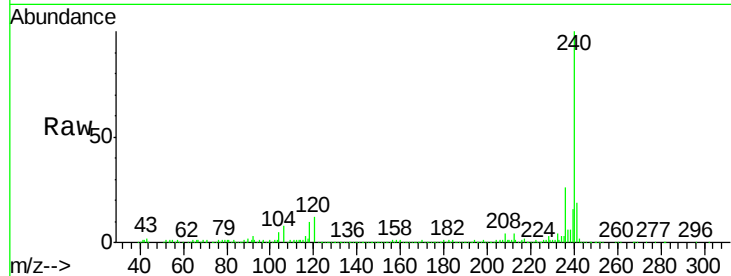
Tgt Ion:240 Resp: 326708

Ion Ratio Lower Upper

240 100

120 12.1 9.5 14.3

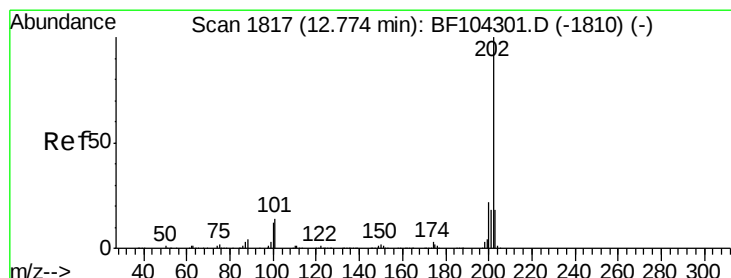
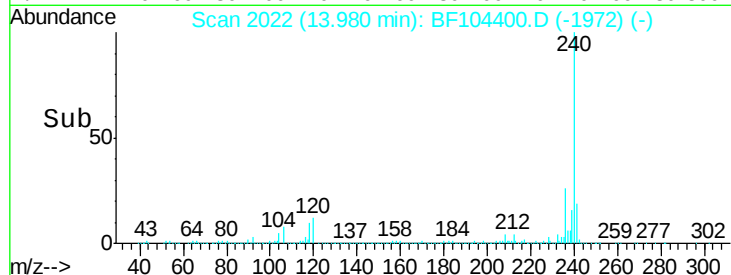
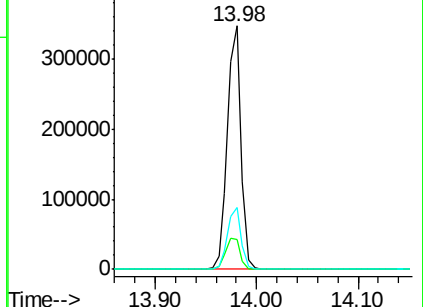
236 25.6 20.7 31.1



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

Pyrene

Concen: 5.322 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

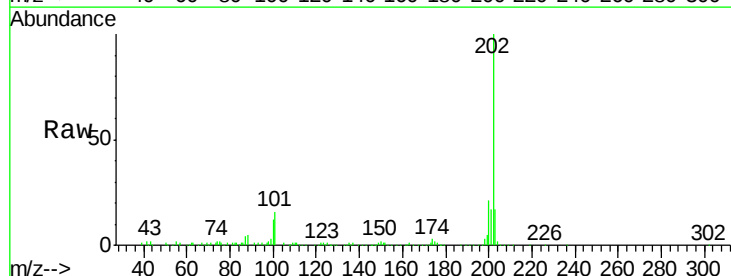
Tgt Ion:202 Resp: 128885

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

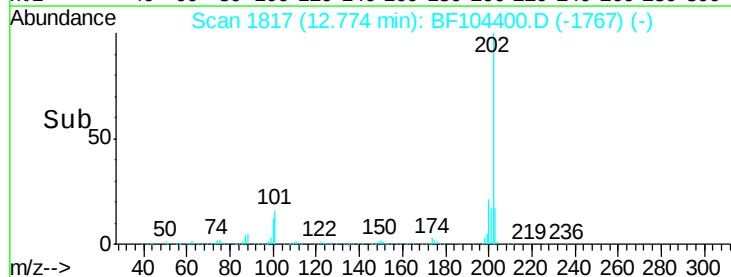
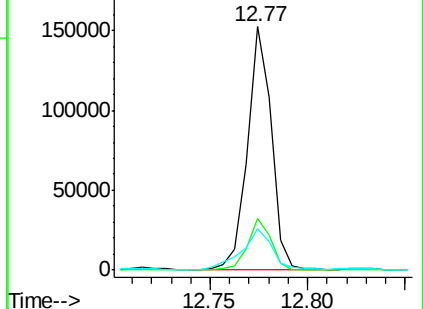
203 17.0 14.3 21.5

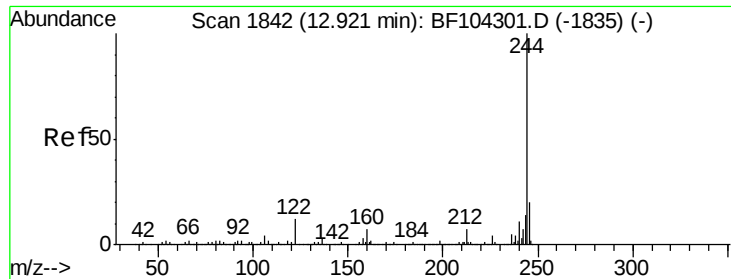


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

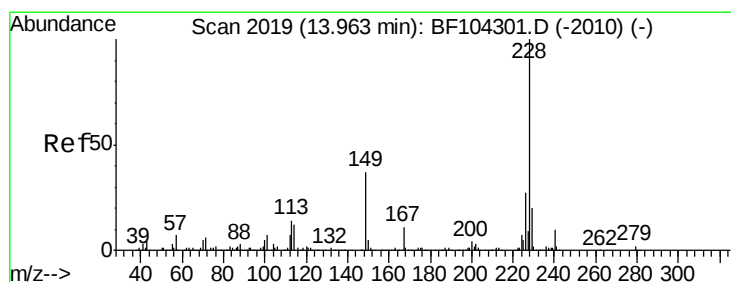
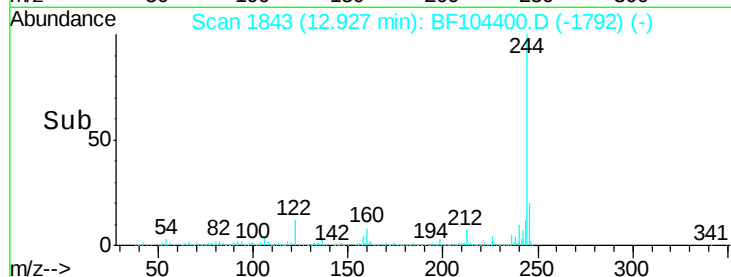
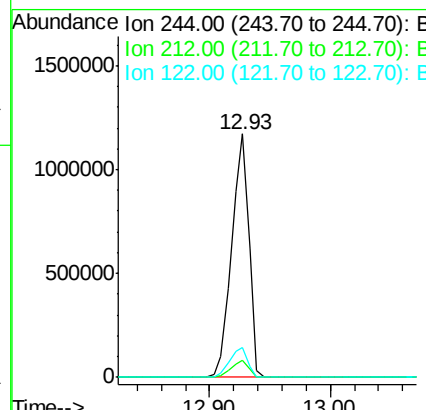
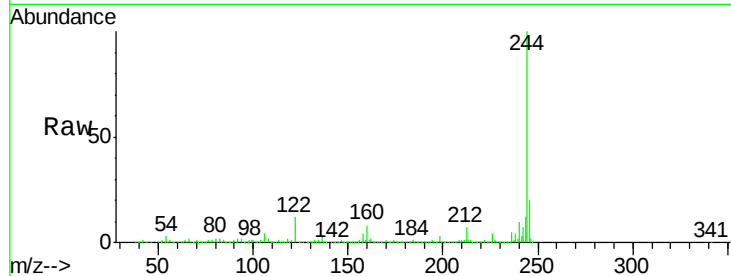




#78
 Terphenyl-d14
 Concen: 80.753 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

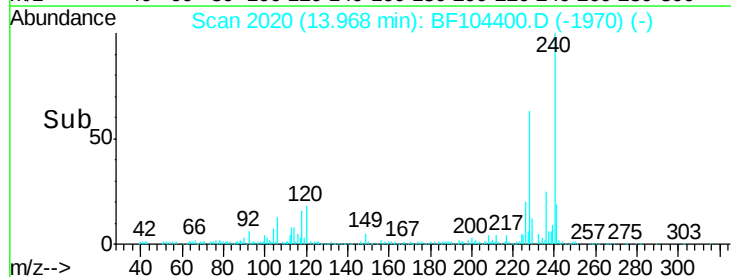
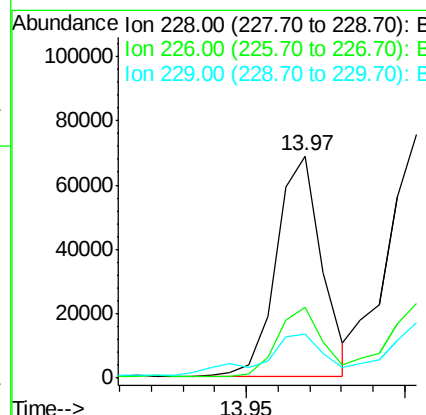
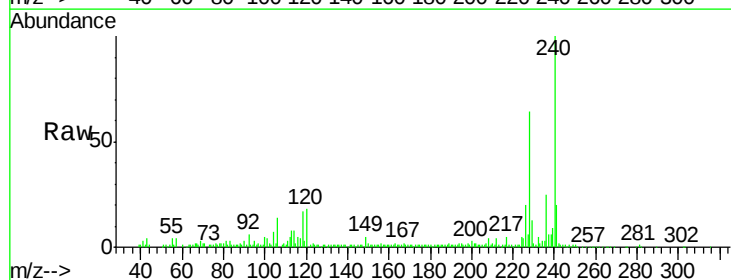
Instrument :
 BNA_F
 ClientSampleId :
 S-3-COMP

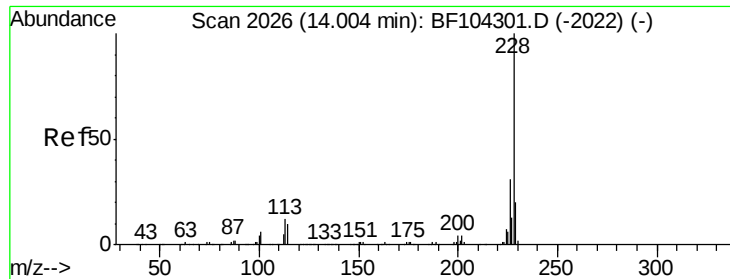
Tgt Ion:244 Resp: 1157220
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 3.496 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104400.D
 Acq: 10 Apr 2018 11:30

Tgt Ion:228 Resp: 68238
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.6 33.8
 229 19.8 15.8 23.6





#82

Chrysene

Concen: 3.663 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

ClientSampleId :

S-3-COMP

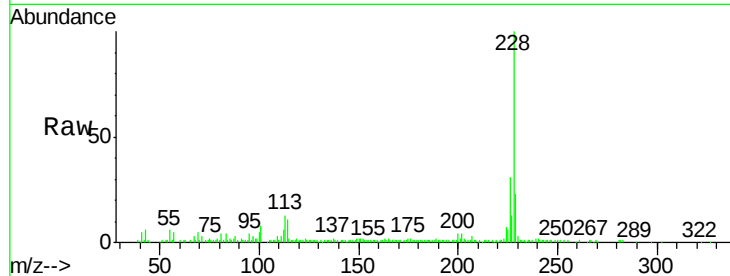
Tgt Ion:228 Resp: 73429

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

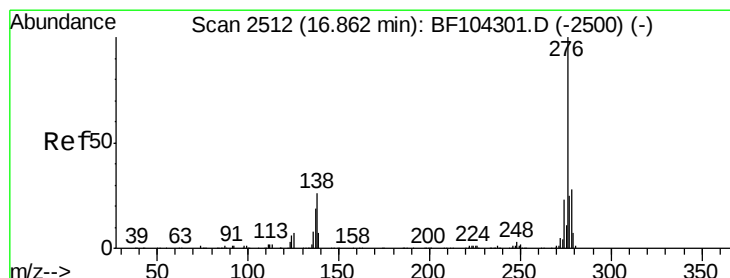
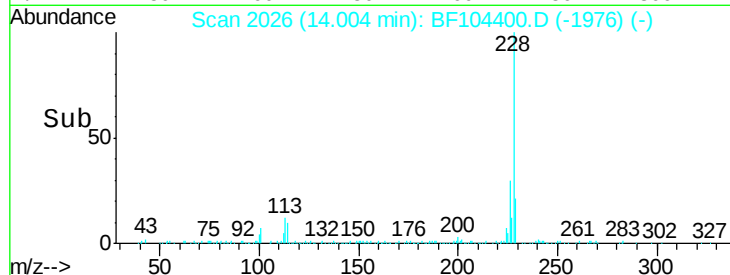
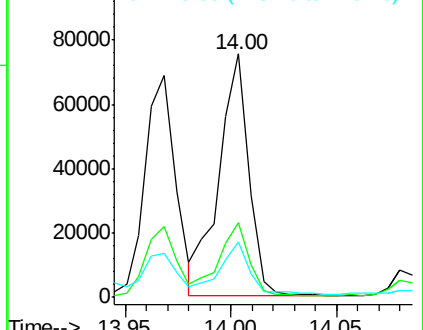
229 22.8 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.527 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BF104400.D

Acq: 10 Apr 2018 11:30

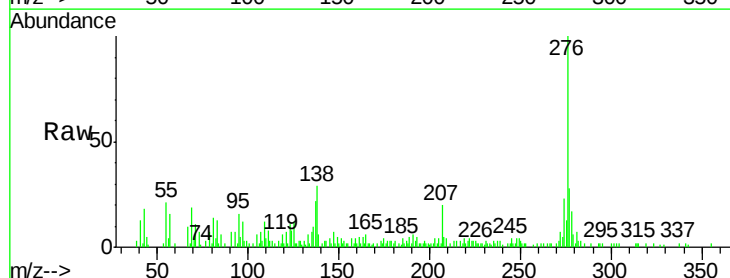
Tgt Ion:276 Resp: 43035

Ion Ratio Lower Upper

276 100

138 25.7 25.0 37.6

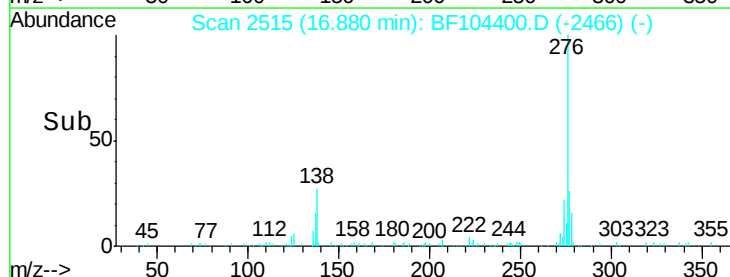
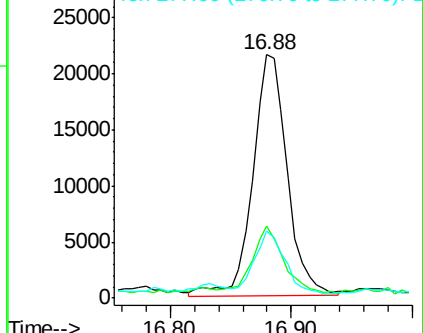
277 22.4 20.1 30.1

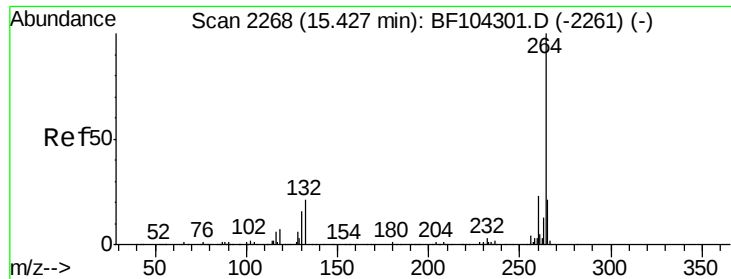


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

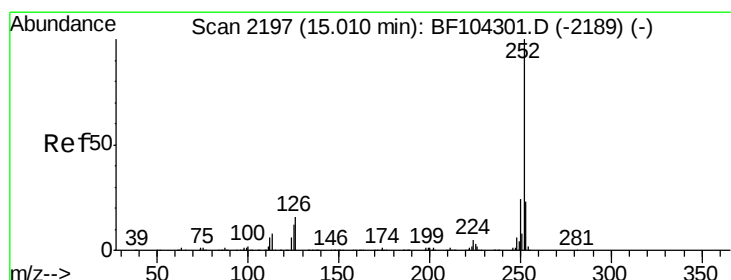
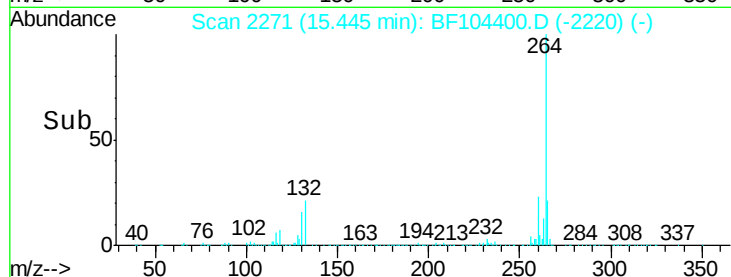
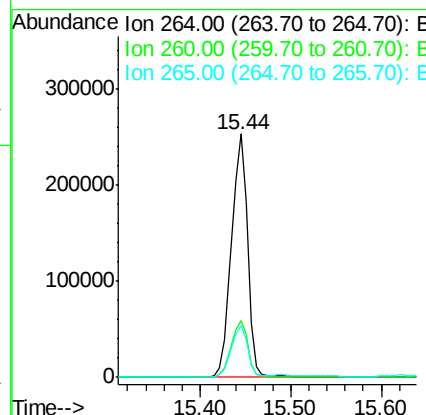
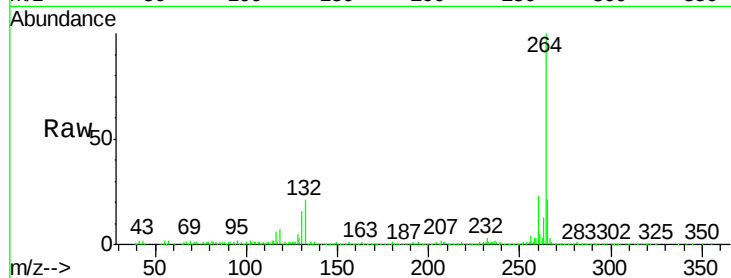




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

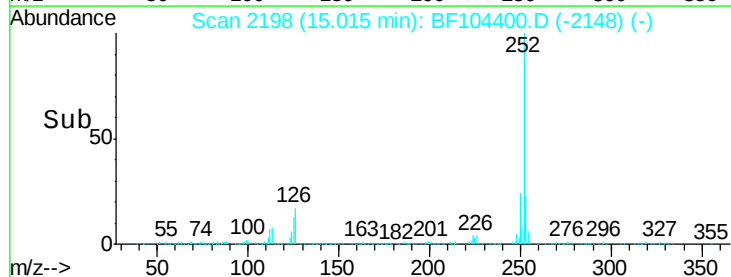
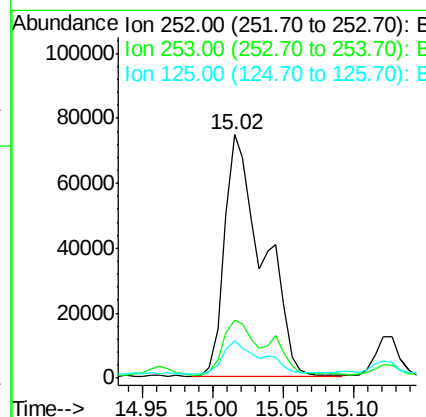
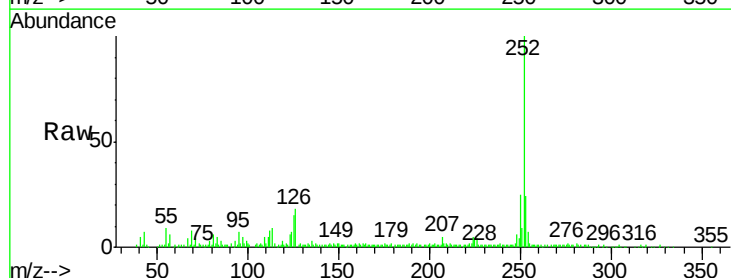
Instrument :
BNA_F
ClientSampleId :
S-3-COMP

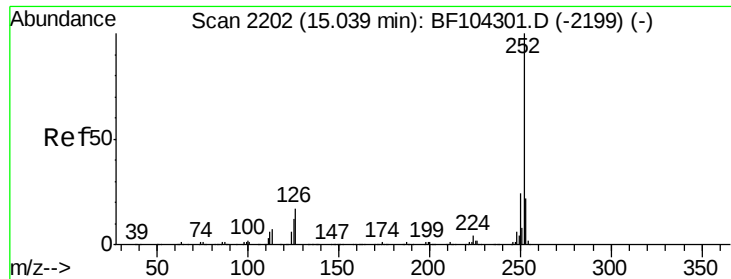
Tgt Ion:264 Resp: 311316
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.212 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion:252 Resp: 141801
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 15.2 9.0 13.6#

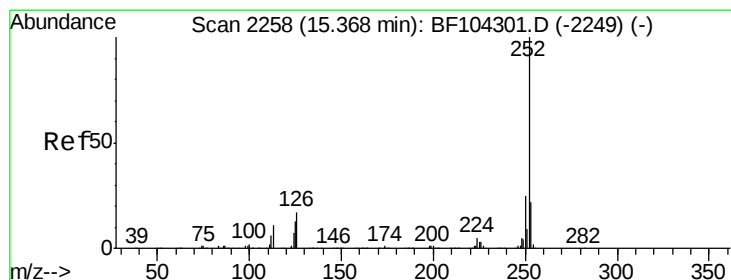
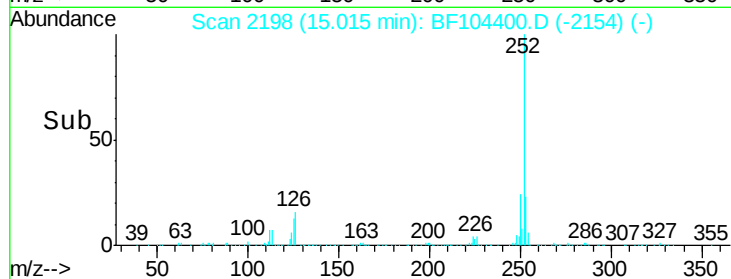
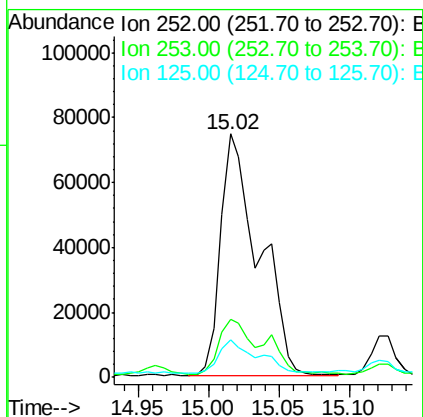
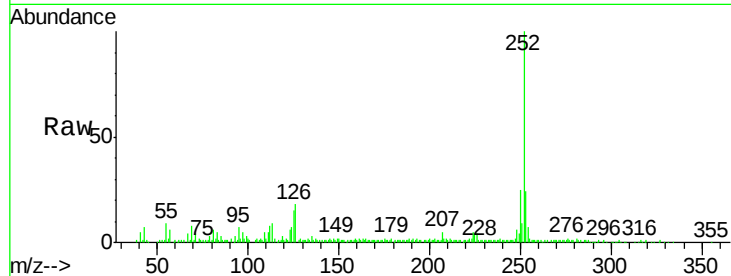




#88
Benzo(k)fluoranthene
Concen: 7.639 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

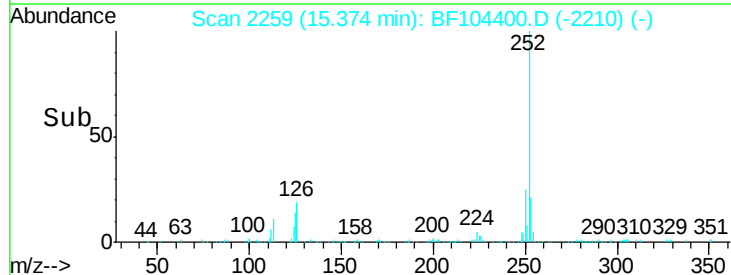
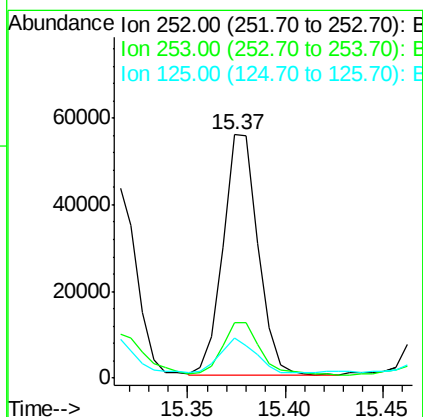
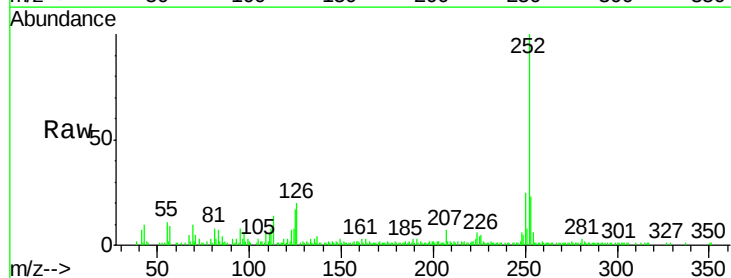
Instrument :
BNA_F
ClientSampleId :
S-3-COMP

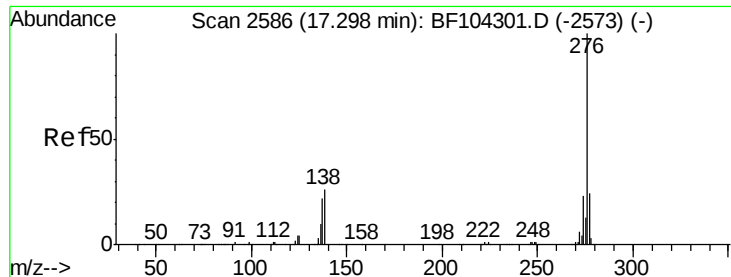
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	15.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.951 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104400.D
Acq: 10 Apr 2018 11:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	16.7	9.8	14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.669 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.02 min

Lab File: BF104400.D

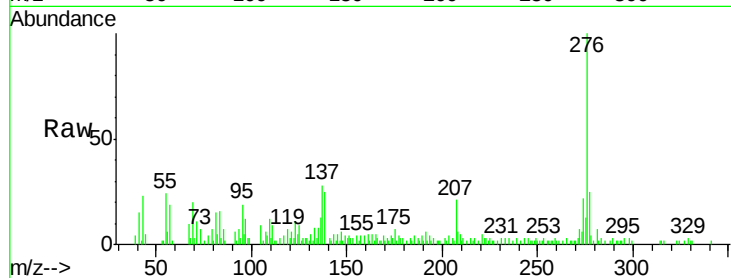
Acq: 10 Apr 2018 11:30

Instrument :

BNA_F

ClientSampleId :

S-3-COMP



Tgt Ion: 276 Resp: 37359

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 25.5 21.8 32.8

