

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104815.D
 Acq On : 26 Apr 2018 4:19
 Operator : JU/SJ
 Sample : J2539-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:24:46 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	112686	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	453318	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	182734	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	264242	20.00	ng	0.00
75) Chrysene-d12	13.98	240	237018	20.00	ng	0.00
86) Perylene-d12	15.44	264	174493	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	948650	128.72	ng	0.01
7) Phenol-d6	6.45	99	1183072	130.66	ng	0.00
23) Nitrobenzene-d5	7.37	82	717653	103.37	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	233866	123.38	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1152134	99.60	ng	0.00
78) Terphenyl-d14	12.92	244	844894	81.27	ng	0.00

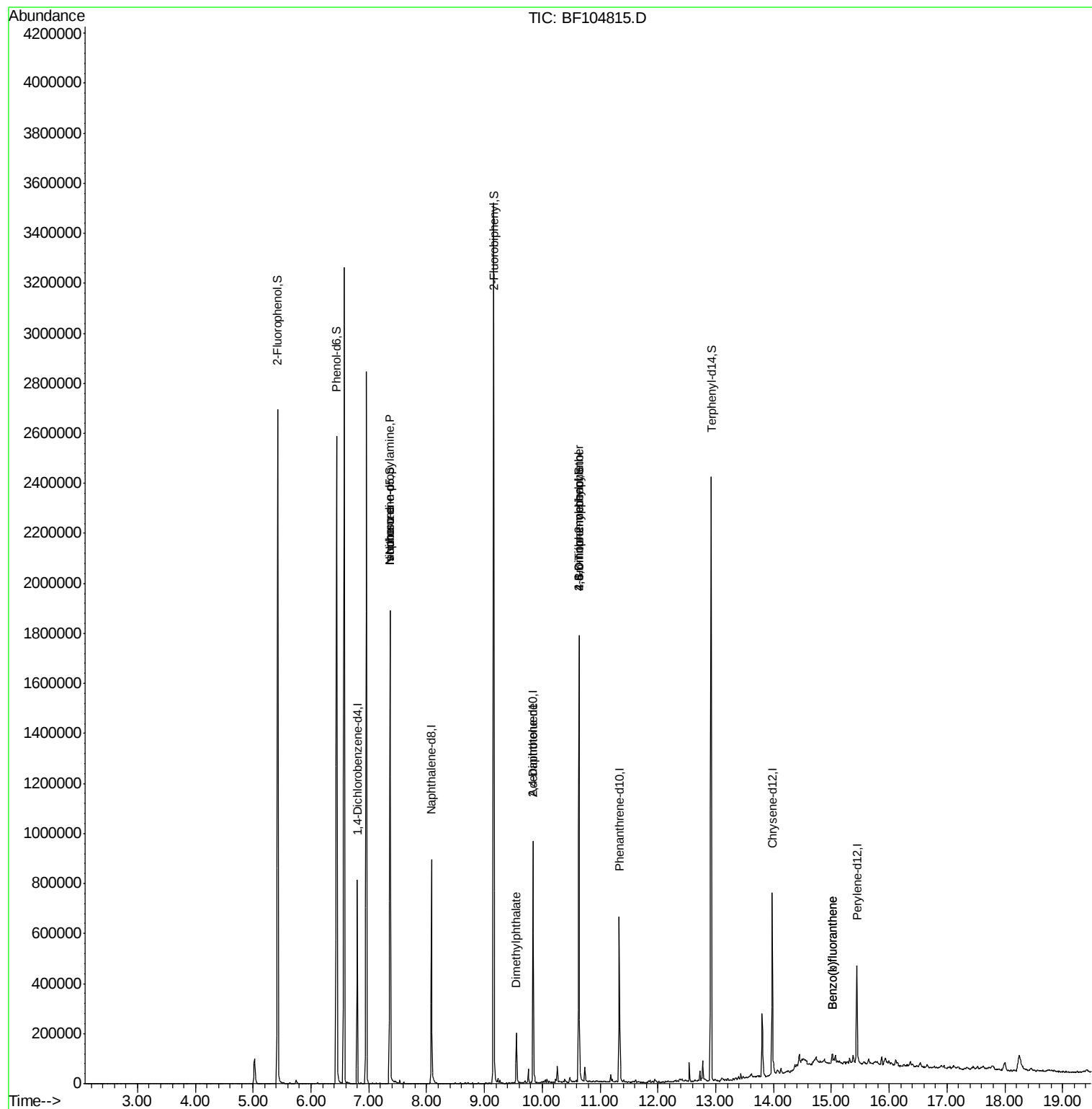
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1902	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	95065	16.066	ng	# 72
25) Isophorone	7.37	82	717644	48.884	ng	# 64
49) Dimethylphthalate	9.55	163	83960	5.827	ng	100
56) 2,4-Dinitrotoluene	9.84	165	23104	6.606	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	404	7.613	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13958	4.966	ng	# 1
76) Benzydine	12.92	184	11664	Below Cal		97
87) Benzo(b)fluoranthene	15.02	252	22644	2.055	ng	# 87
88) Benzo(k)fluoranthene	15.02	252	22644	2.176	ng	# 90

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

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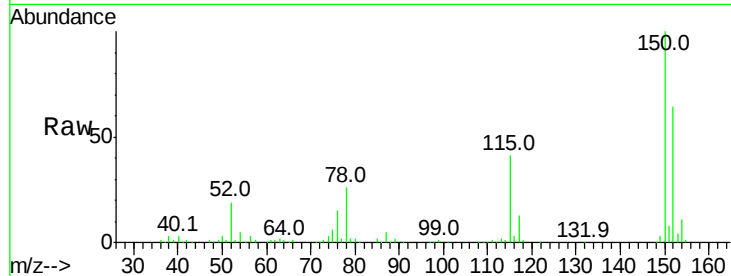


#1

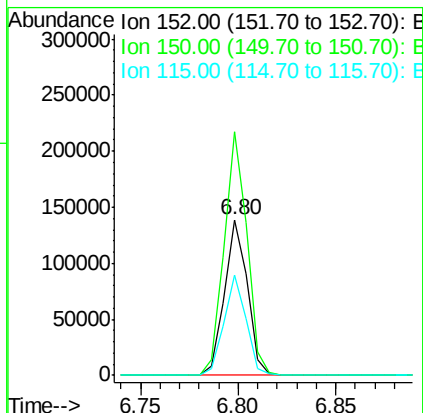
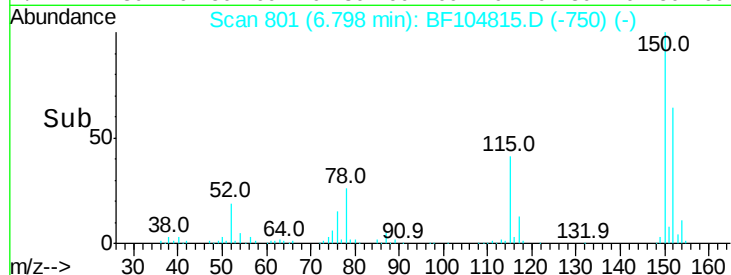
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF104815.D
 Acq: 26 Apr 2018 4:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 112686
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.6 186.8
 115 64.7 50.1 75.1



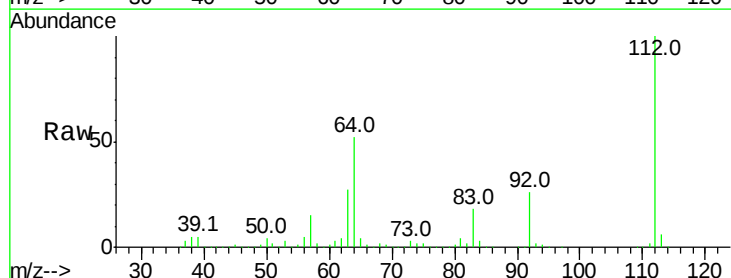
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



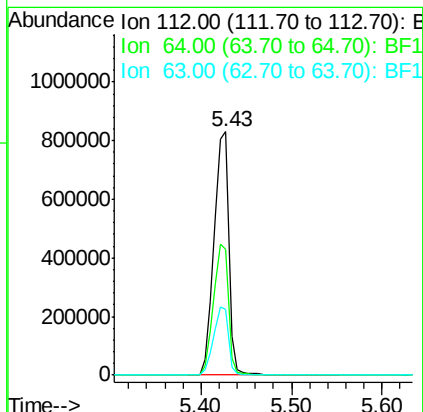
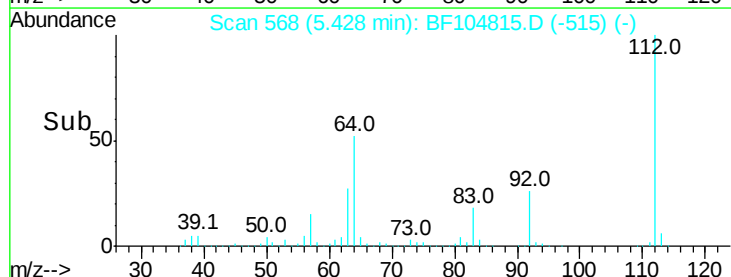
#5

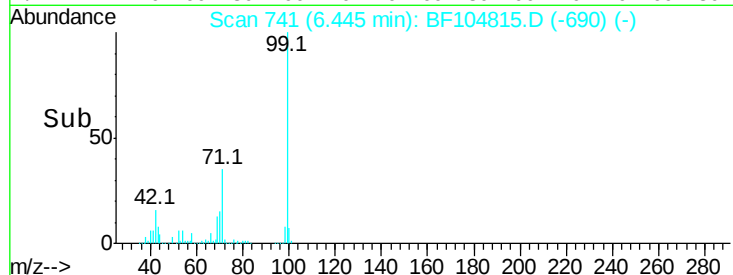
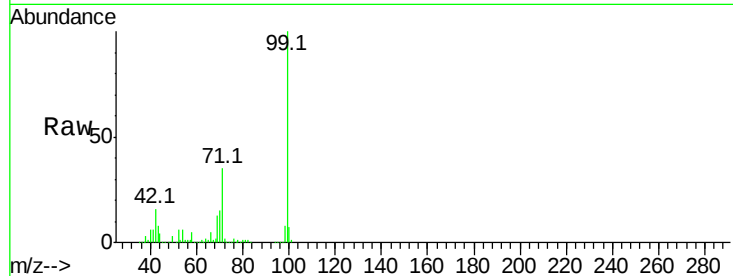
2-Fluorophenol
 Concen: 128.724 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF104815.D
 Acq: 26 Apr 2018 4:19

Tgt Ion:112 Resp: 948650
 Ion Ratio Lower Upper
 112 100
 64 51.9 47.9 71.9
 63 27.1 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: 130.655 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

Instrument :

BNA_F

ClientSampleId :

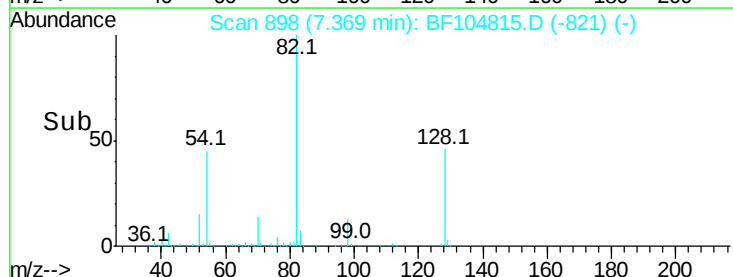
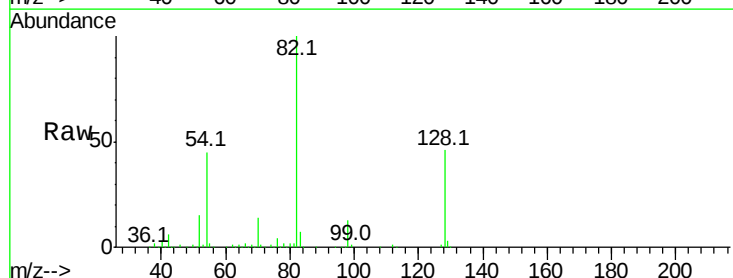
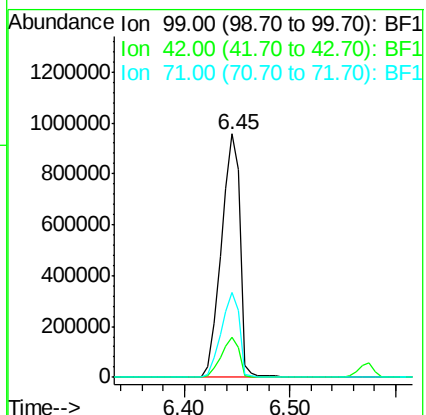
Tot Ion: 99 Resp: 1183072

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.066 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

Tgt Ion: 70 Resp: 95065

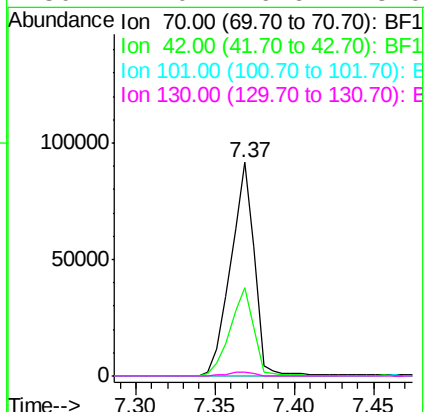
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

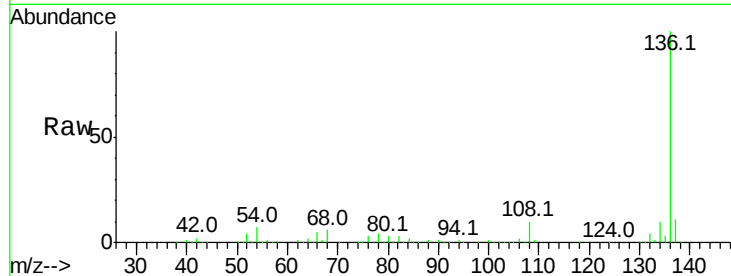




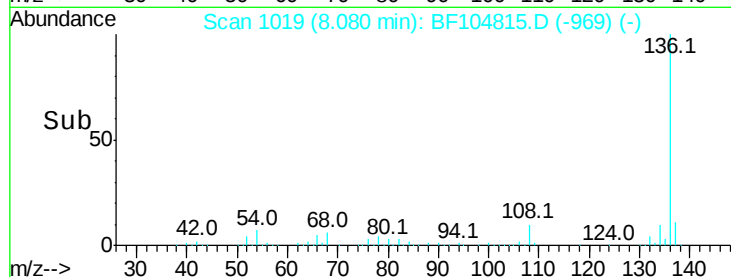
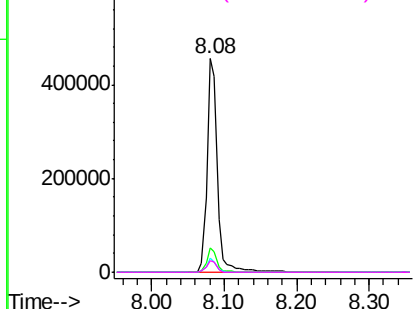
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104815.D
Acq: 26 Apr 2018 4:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	453318
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	6.8	6.6	9.8
68	5.6	5.0	7.4

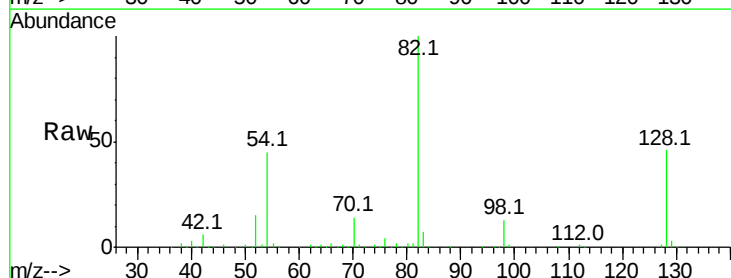


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

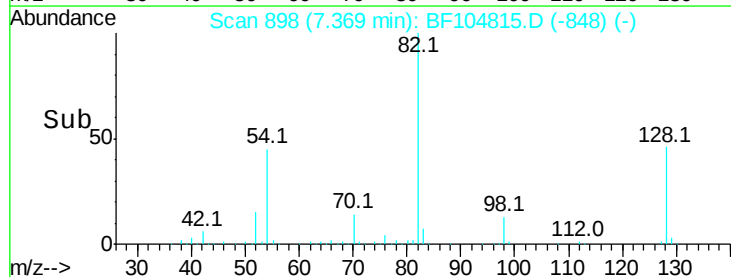
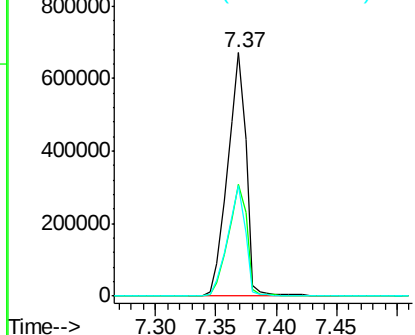


#23
Nitrobenzene-d5
Concen: 103.374 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104815.D
Acq: 26 Apr 2018 4:19

Tgt Ion:	82	Resp:	717653
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	45.4	41.4	62.2



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: 48.884 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

Instrument :

BNA_F

ClientSampled :

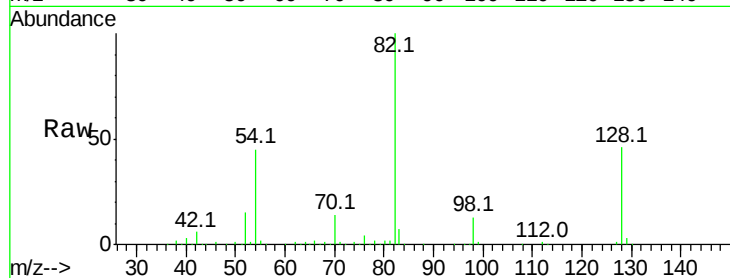
Tot Ion: 82 Resp: 717644

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

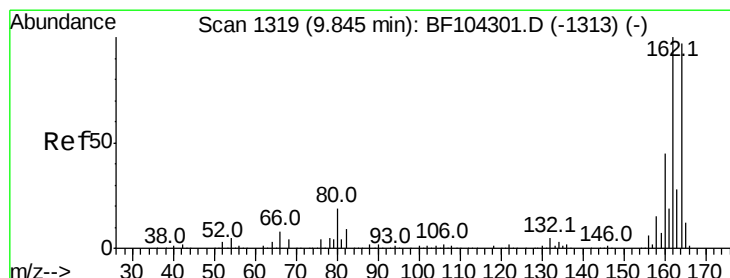
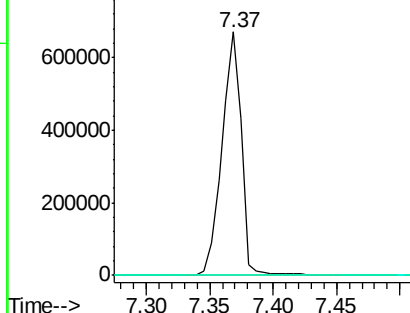
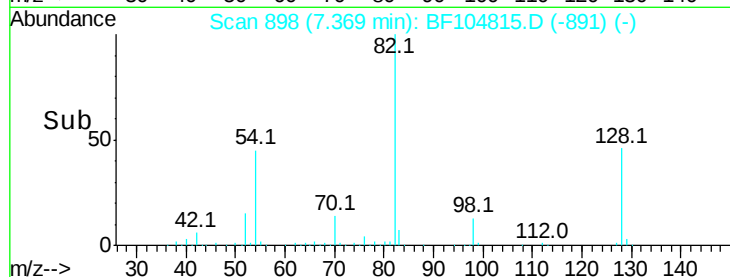
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

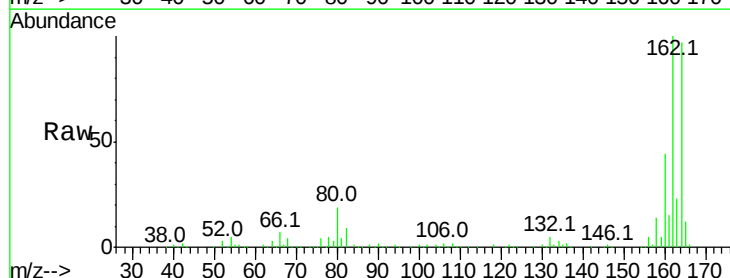
Tgt Ion:164 Resp: 182734

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

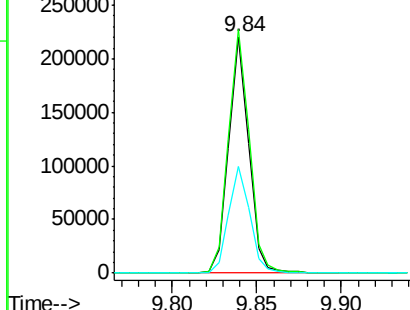
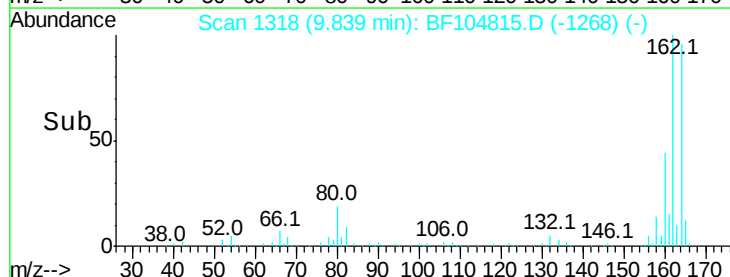
160 45.1 38.3 57.5



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

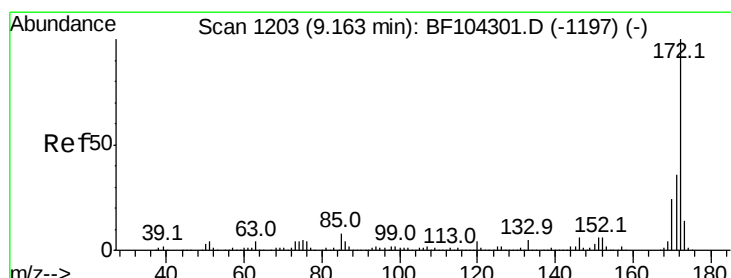
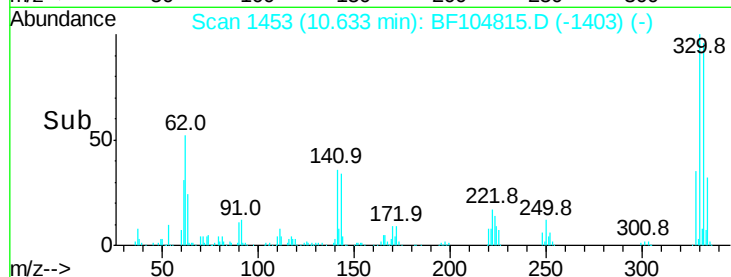
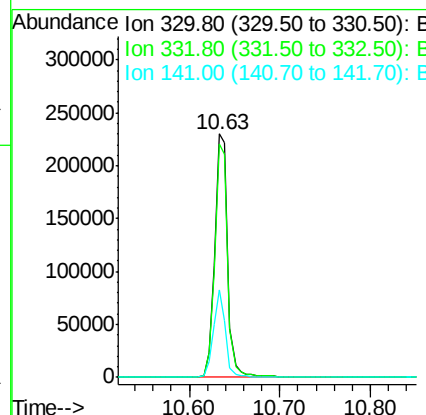
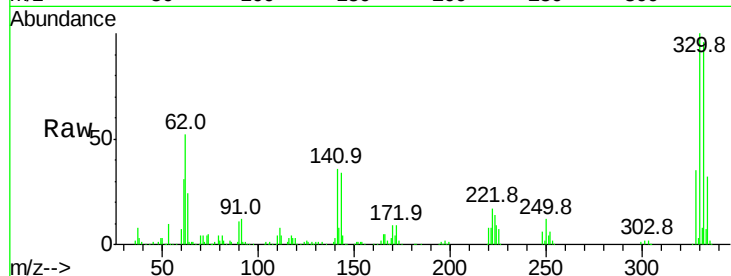




#41
 2,4,6-Tribromophenol
 Concen: 123.376 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104815.D
 Acq: 26 Apr 2018 4:19

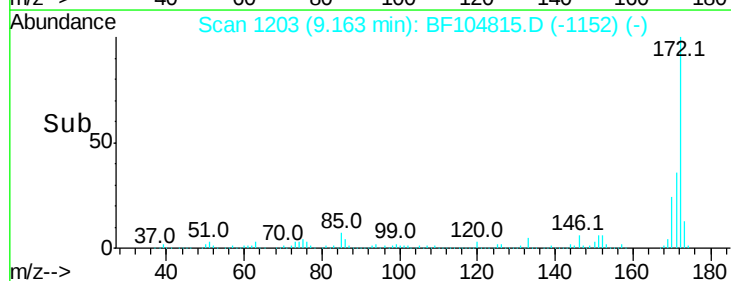
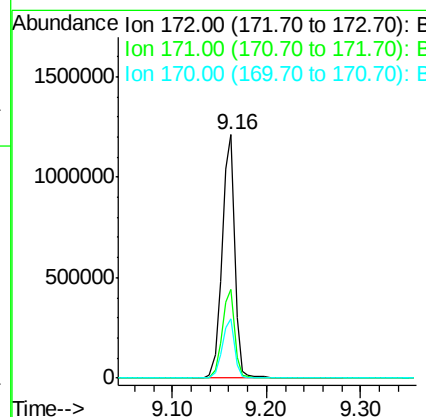
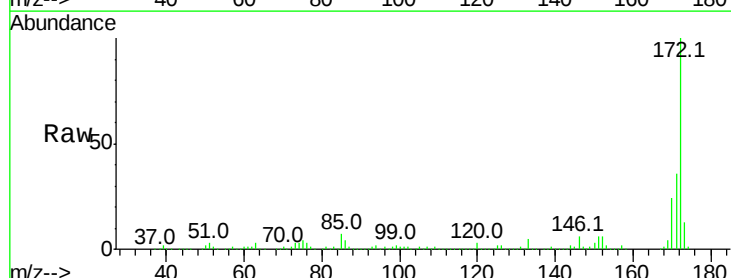
Instrument :
 BNA_F
 ClientSampleId :

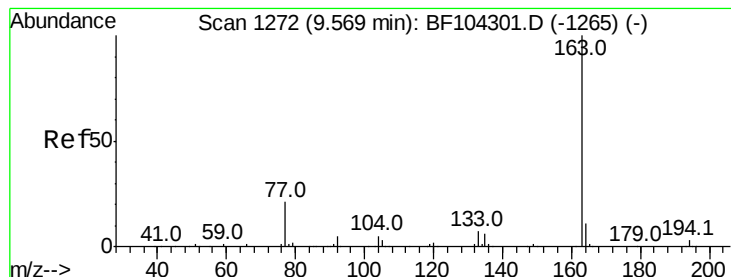
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	33.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 99.603 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104815.D
 Acq: 26 Apr 2018 4:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4





#49

Dimethylphthalate

Concen: 5.827 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

Instrument :

BNA_F

ClientSampleId :

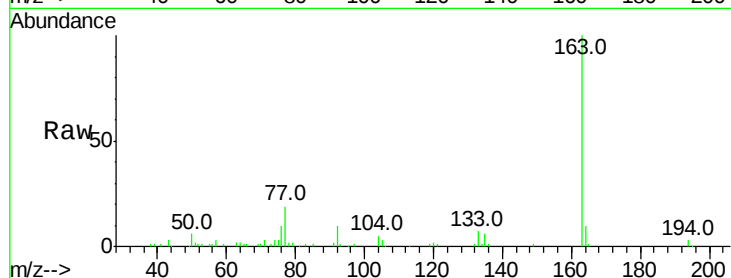
Tot Ion:163 Resp: 83960

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

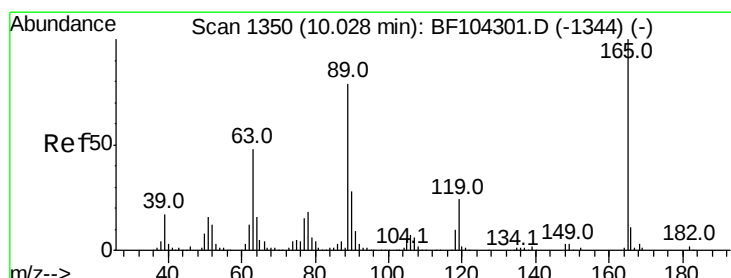
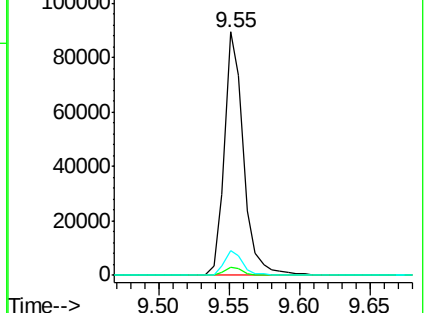
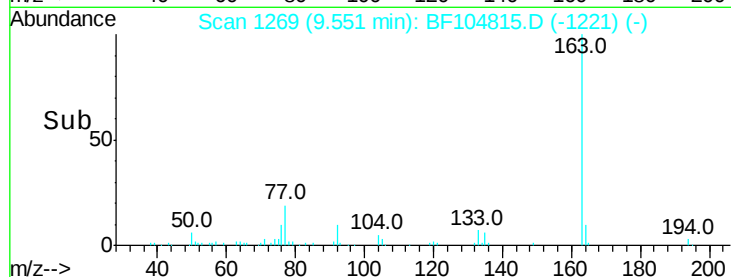
164 10.1 8.2 12.2



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: 6.606 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

Tgt Ion:165 Resp: 23104

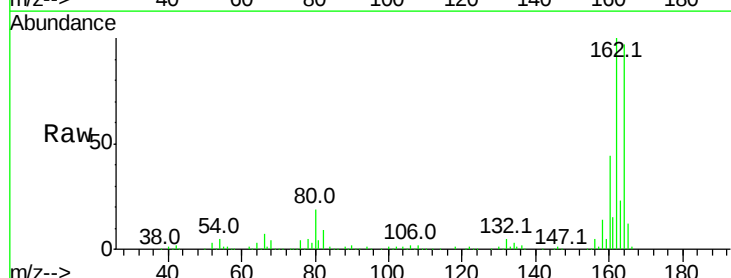
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

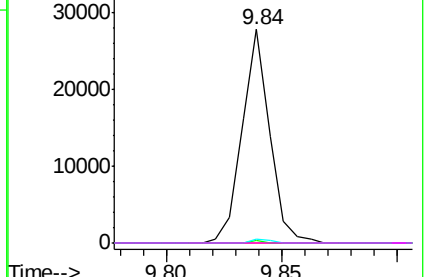
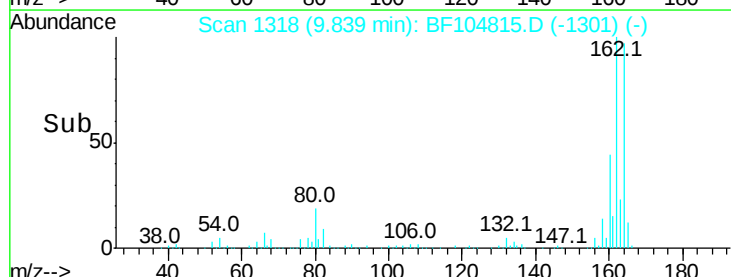


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

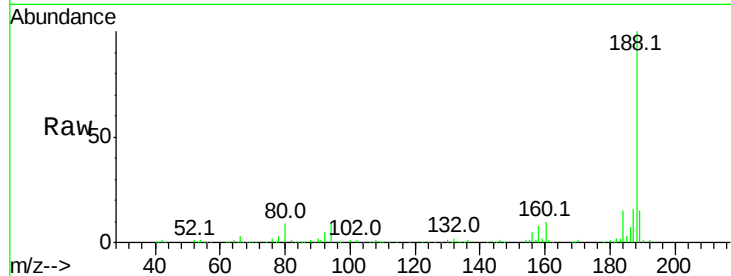




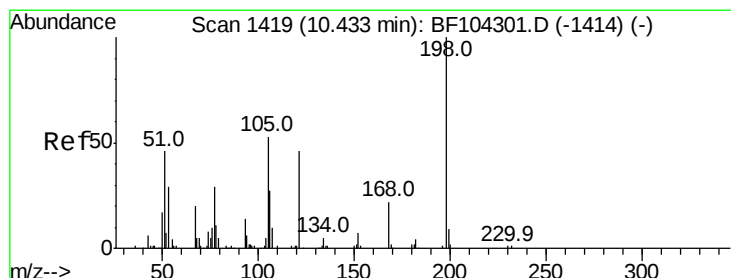
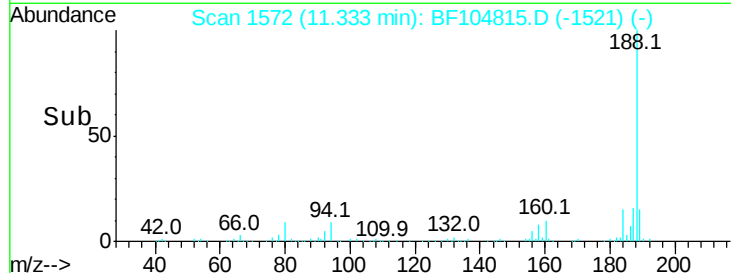
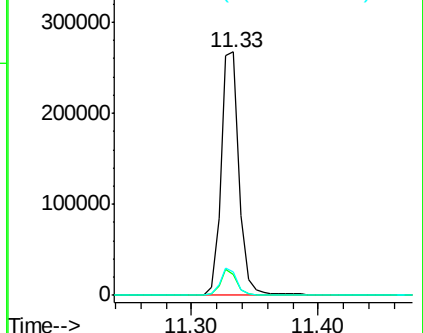
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104815.D
 Acq: 26 Apr 2018 4:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 264242
 Ion Ratio Lower Upper
 188 100
 94 8.8 8.5 12.7
 80 9.4 9.2 13.8

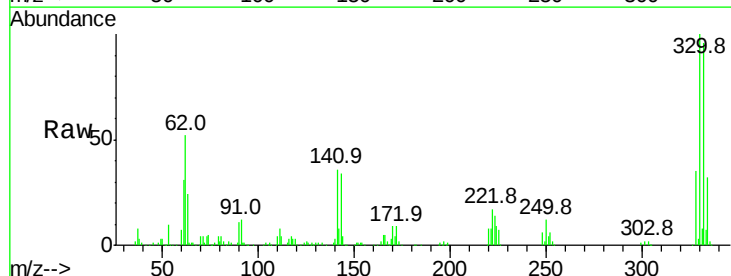


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

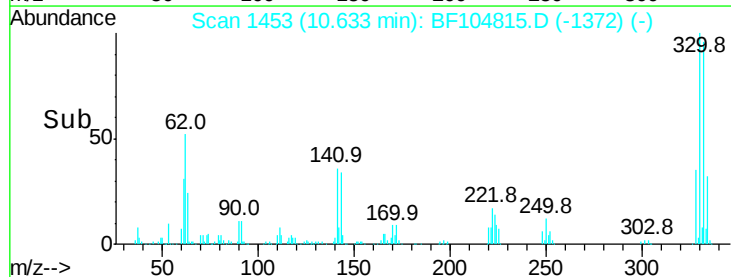
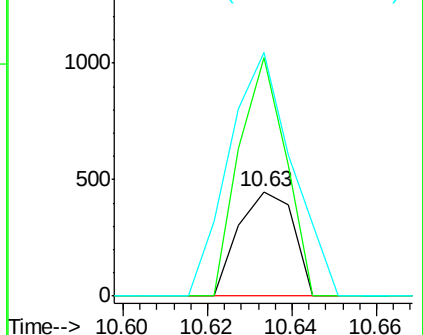


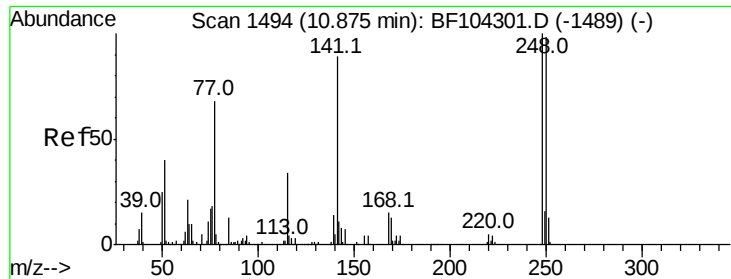
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.613 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104815.D
 Acq: 26 Apr 2018 4:19

Tgt Ion:198 Resp: 404
 Ion Ratio Lower Upper
 198 100
 51 229.0 37.7 77.7#
 105 233.5 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

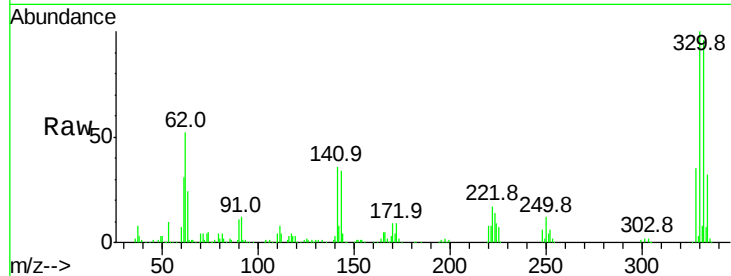




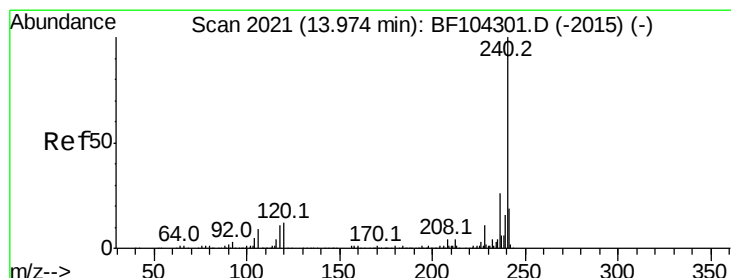
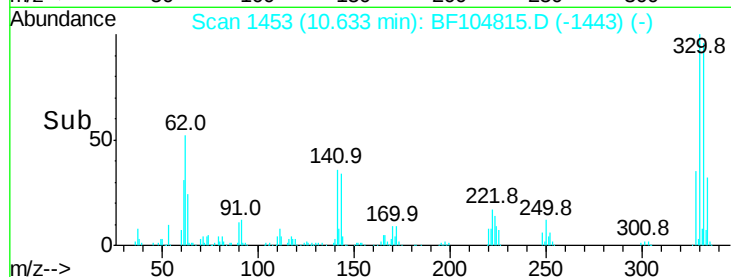
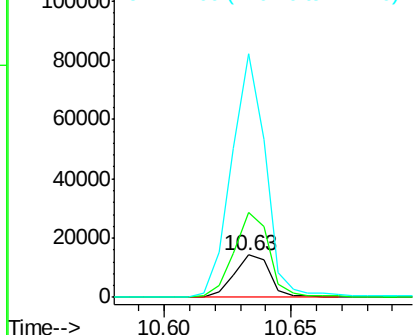
#66
4-Bromophenyl-phenylether
Concen: 4.966 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104815.D
Acq: 26 Apr 2018 4:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13958
Ion Ratio Lower Upper
248 100
250 201.2 76.9 115.3#
141 574.9 74.4 111.6#

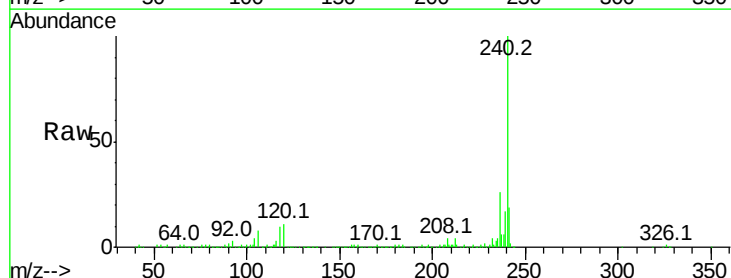


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

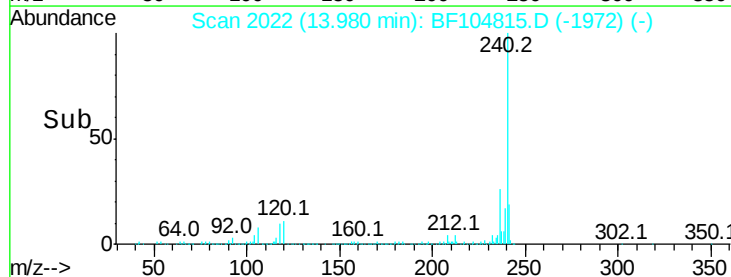
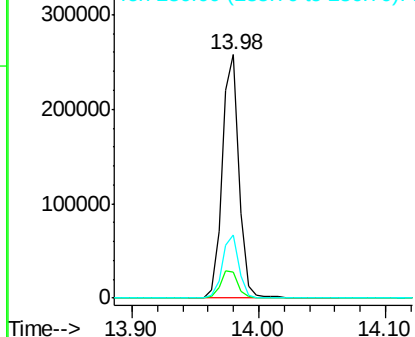


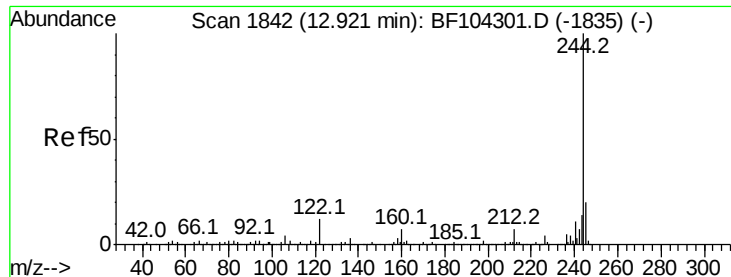
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104815.D
Acq: 26 Apr 2018 4:19

Tgt Ion:240 Resp: 237018
Ion Ratio Lower Upper
240 100
120 10.8 9.5 14.3
236 25.8 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





#78

Terphenyl-d14

Concen: 81.269 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

Instrument :

BNA_F

ClientSampleId :

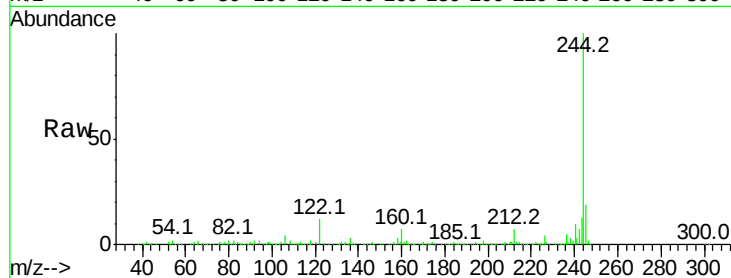
Tot Ion:244 Resp: 844894

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

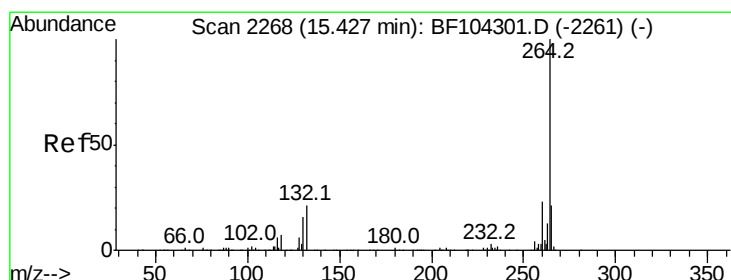
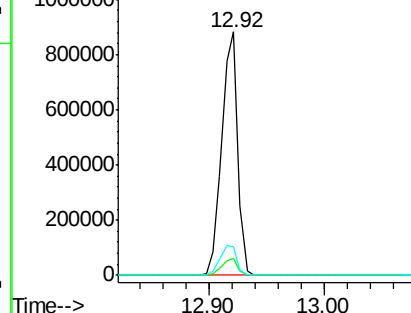
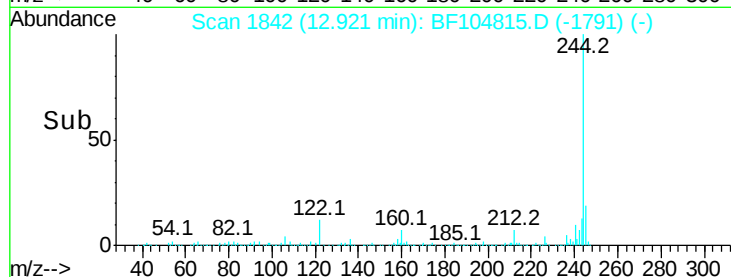
122 11.6 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

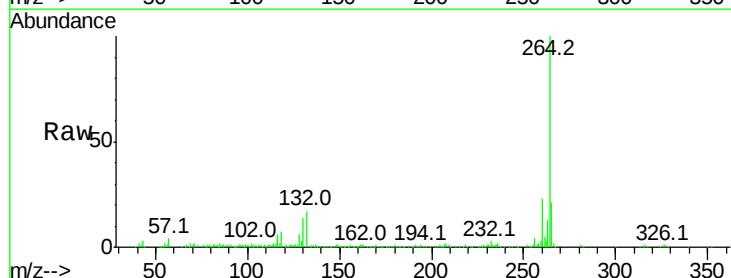
Tgt Ion:264 Resp: 174493

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

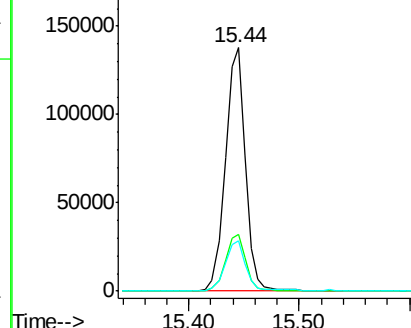
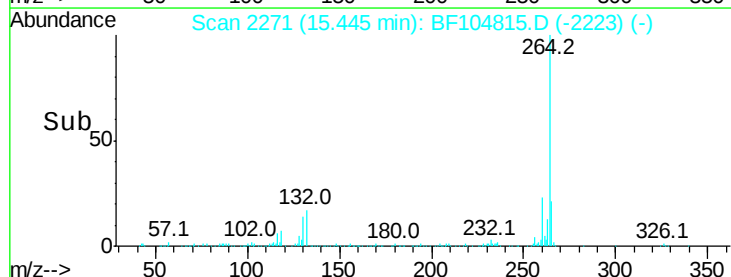
265 20.8 17.5 26.3

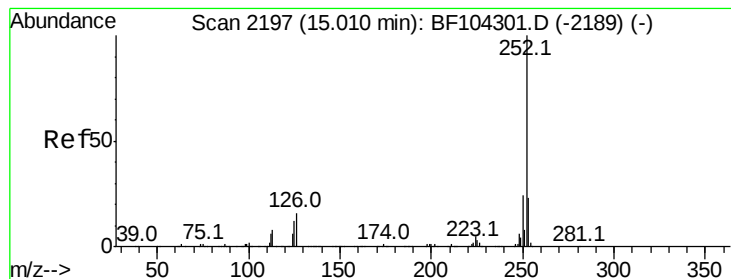


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.055 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

Instrument :

BNA_F

ClientSampleId :

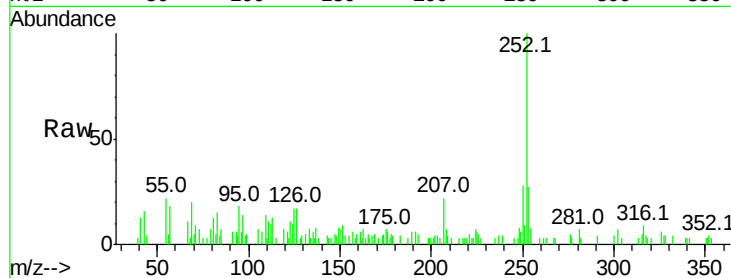
Tot Ion:252 Resp: 22644

Ion Ratio Lower Upper

252 100

253 26.9 17.0 25.6#

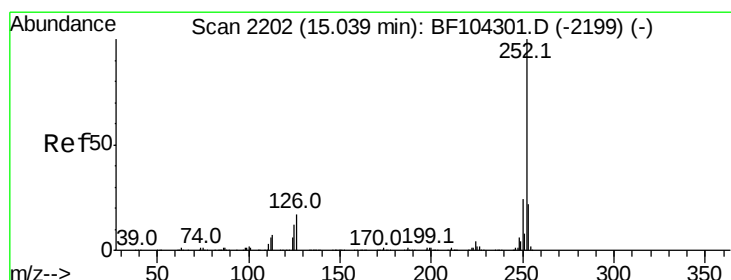
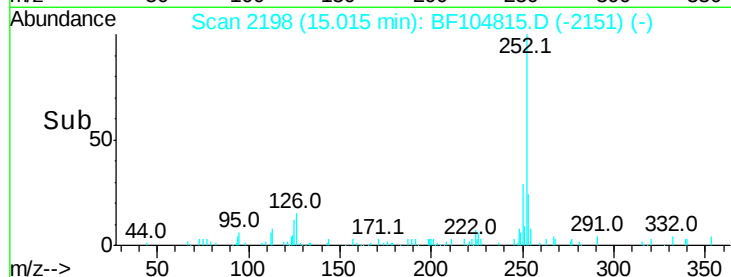
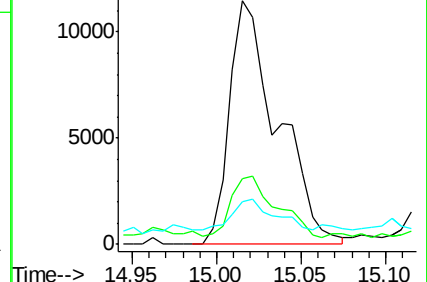
125 17.5 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 2.176 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.05 min

Lab File: BF104815.D

Acq: 26 Apr 2018 4:19

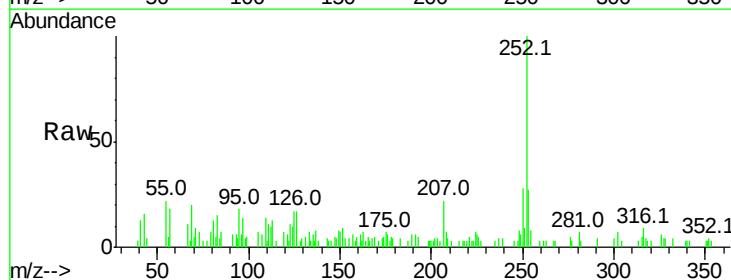
Tgt Ion:252 Resp: 22644

Ion Ratio Lower Upper

252 100

253 26.9 17.9 26.9#

125 17.5 10.2 15.2#



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

