

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081718\
 Data File : BF108271.D
 Acq On : 18 Aug 2018 4:36
 Operator : JU/SJ
 Sample : J4511-06
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081418-FL-028

Quant Time: Aug 18 05:48:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	160089	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	582914	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	266190	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	400166	20.00	ng	0.00
75) Chrysene-d12	14.21	240	366220	20.00	ng	0.00
86) Perylene-d12	15.78	264	246261	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	1003161	113.45	ng	0.02
7) Phenol-d6	6.64	99	1334359	113.56	ng	0.01
23) Nitrobenzene-d5	7.58	82	903841	86.52	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	281111	105.87	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1608027	96.98	ng	0.00
78) Terphenyl-d14	13.15	244	1197402	83.13	ng	0.00

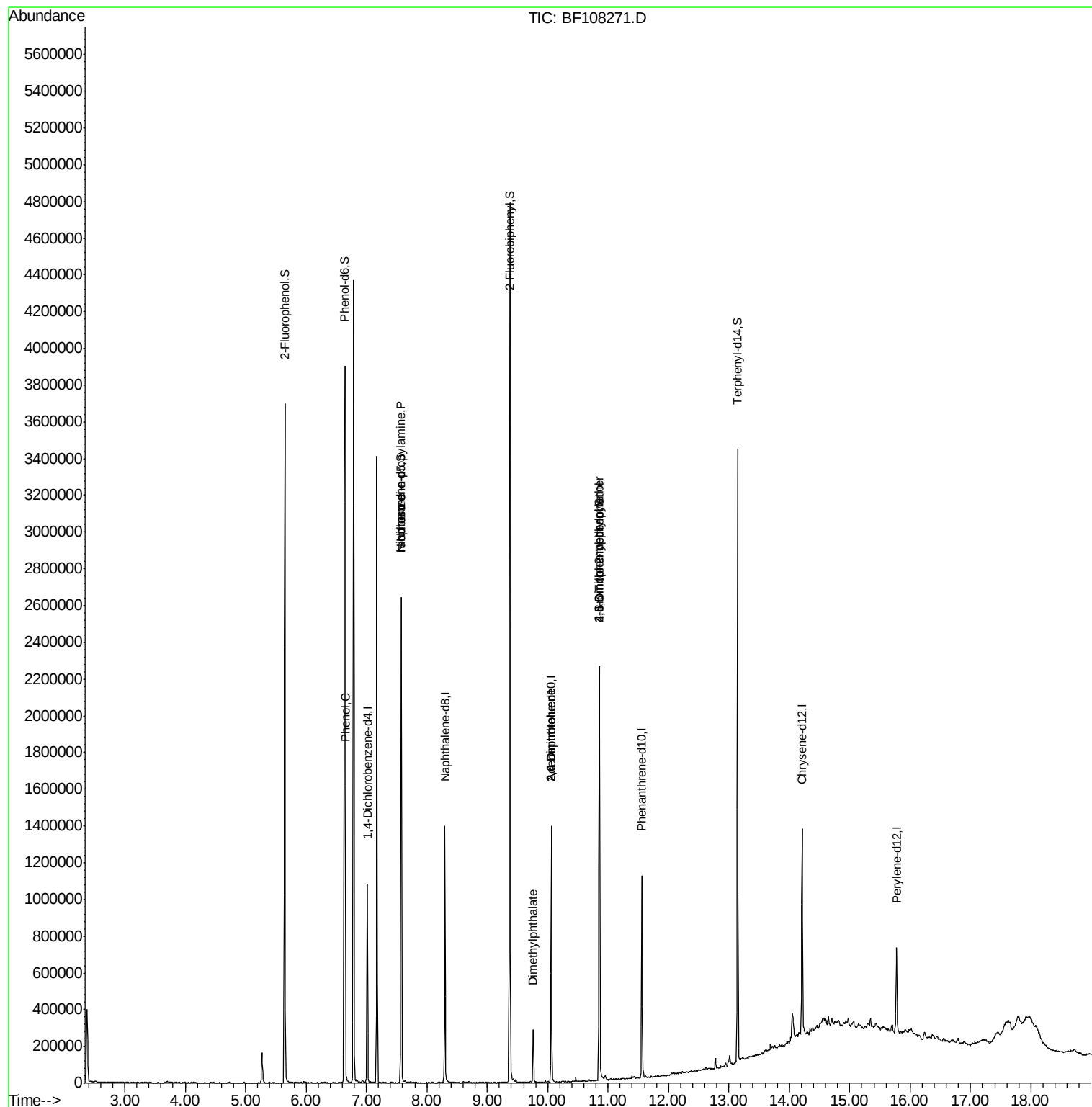
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.65	94	40335	3.319	ng	93
19) n-Nitroso-di-n-propylamine	7.58	70	124229	15.634	ng	# 85
25) Isophorone	7.58	82	903834	45.394	ng	# 64
49) Dimethylphthalate	9.77	163	117390	6.331	ng	# 99
50) 2,6-Dinitrotoluene	10.06	165	34713	8.948	ng	# 25
56) 2,4-Dinitrotoluene	10.06	165	34713	6.952	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	616	5.723	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	18204	4.186	ng	# 1

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

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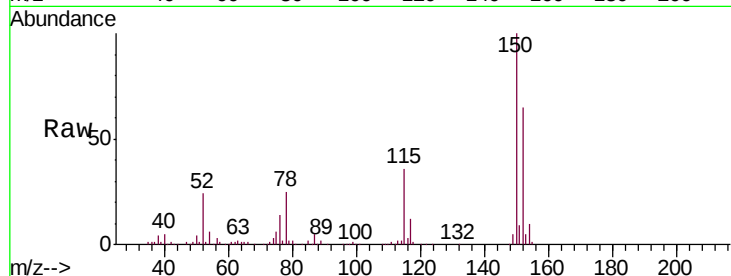


#1

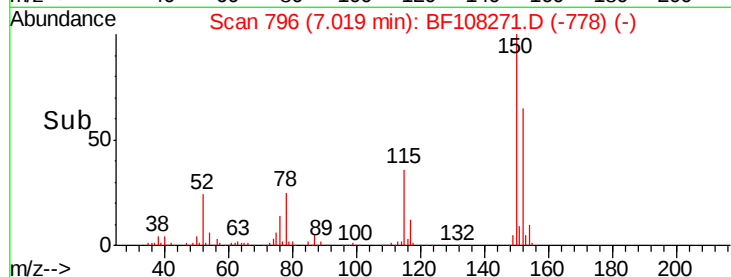
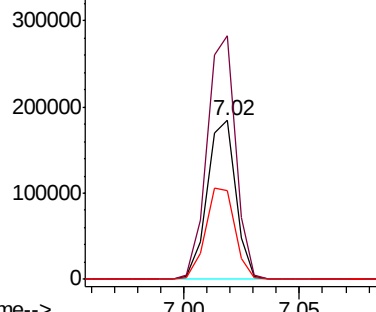
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

Instrument :
BNA_F
ClientSampleId :
RA-081418-FL-028

Tgt Ion:152 Resp: 160089
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 55.8 50.1 75.1



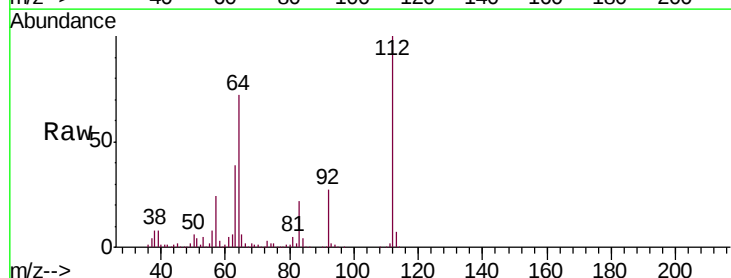
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



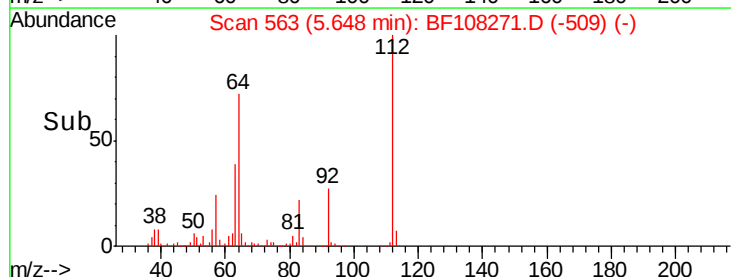
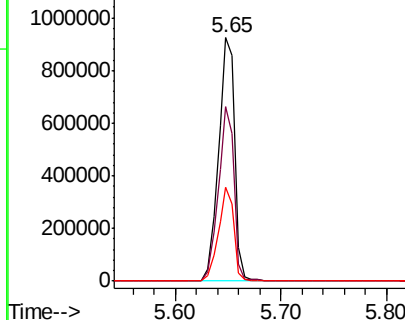
#5

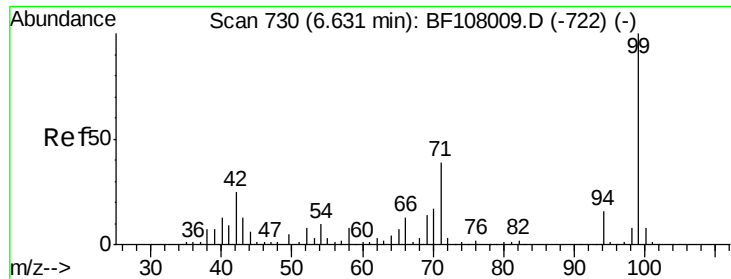
2-Fluorophenol
Concen: 113.448 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

Tgt Ion:112 Resp: 1003161
Ion Ratio Lower Upper
112 100
64 71.7 47.9 71.9
63 38.5 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: 113.558 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

Instrument :

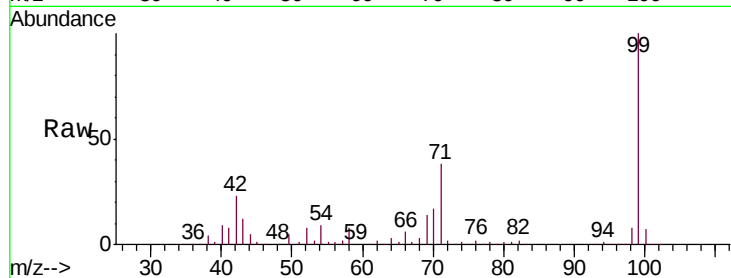
BNA_F

ClientSampleId :

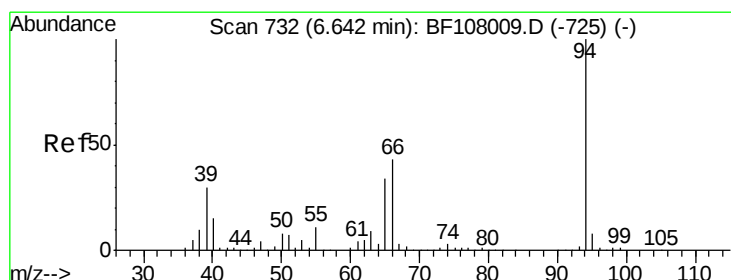
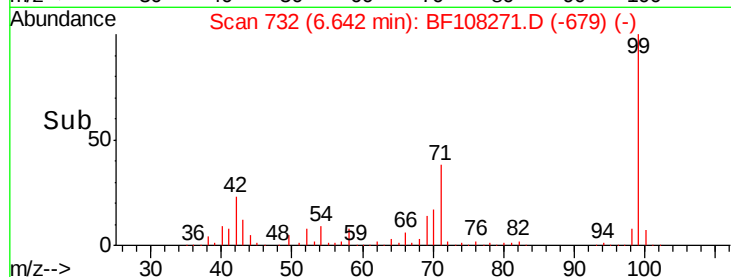
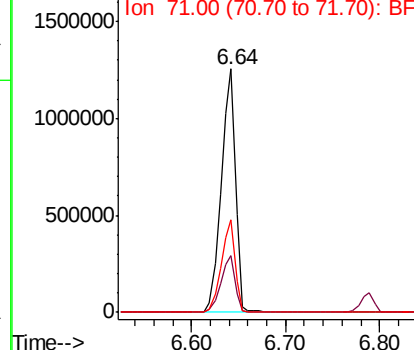
RA-081418-FL-028

Tgt Ion: 99 Resp: 1334359

Ion	Ratio	Lower	Upper
99	100		
42	23.1	14.5	21.7#
71	37.9	25.4	38.0



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: 3.319 ng

RT: 6.65 min Scan# 734

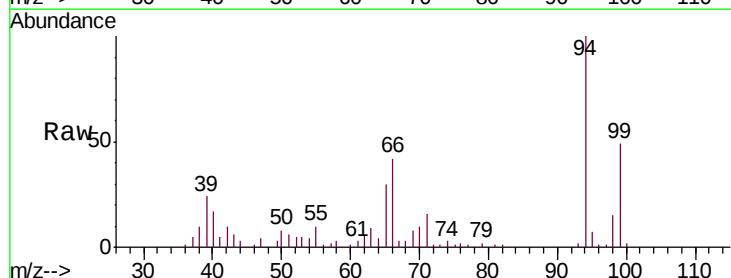
Delta R.T. 0.01 min

Lab File: BF108271.D

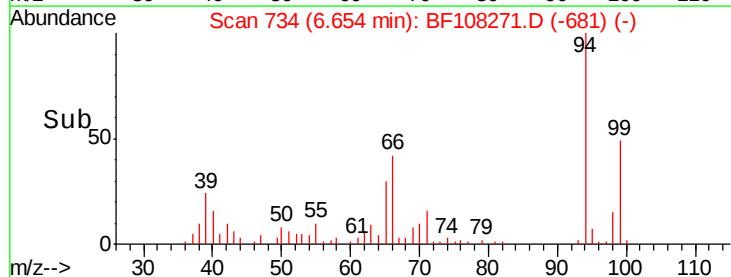
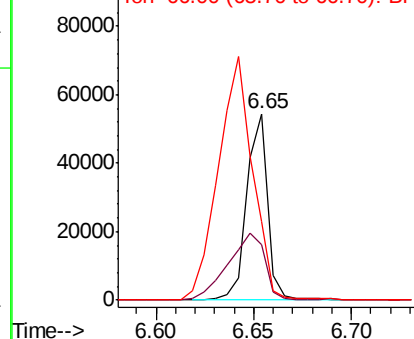
Acq: 18 Aug 2018 4:36

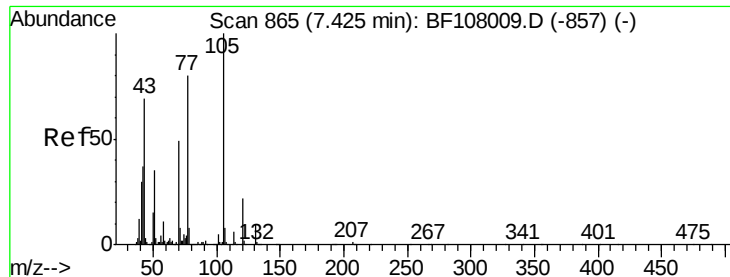
Tgt Ion: 94 Resp: 40335

Ion	Ratio	Lower	Upper
94	100		
65	29.9	7.9	47.9
66	42.1	16.2	56.2



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

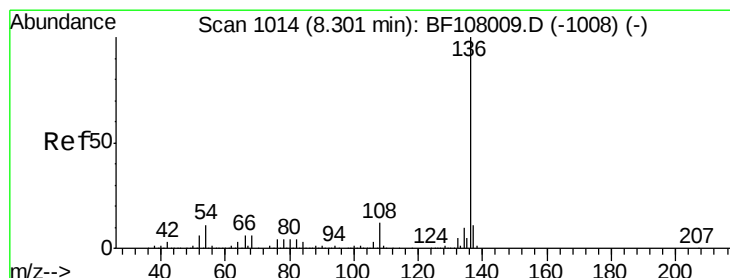
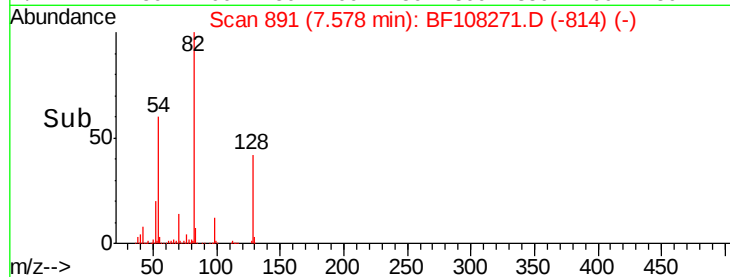
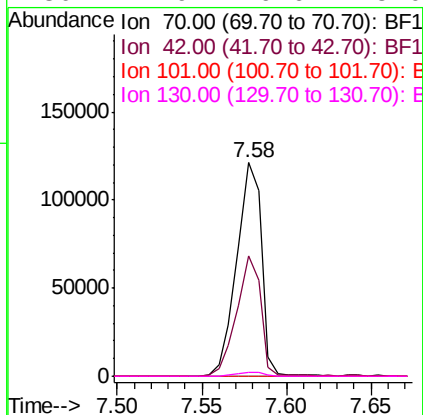
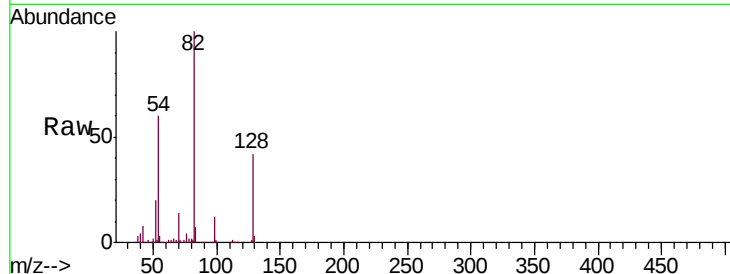




#19
n-Nitroso-di-n-propylamine
Concen: 15.634 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.15 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

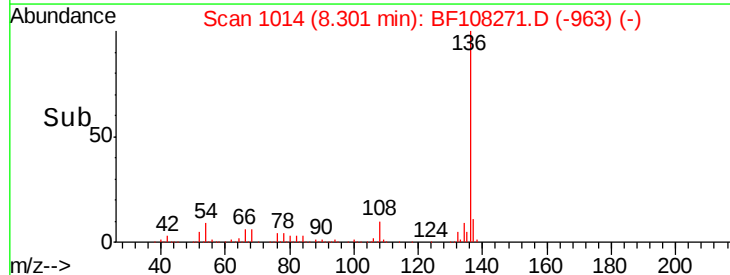
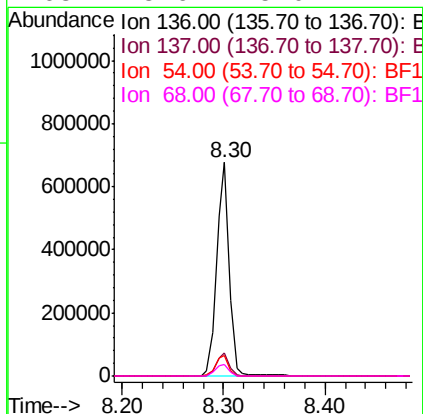
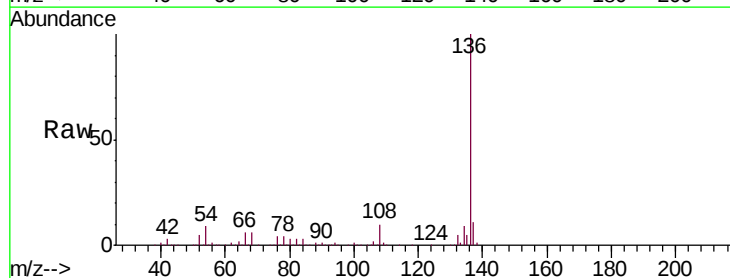
Instrument :
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RA-081418-FL-028

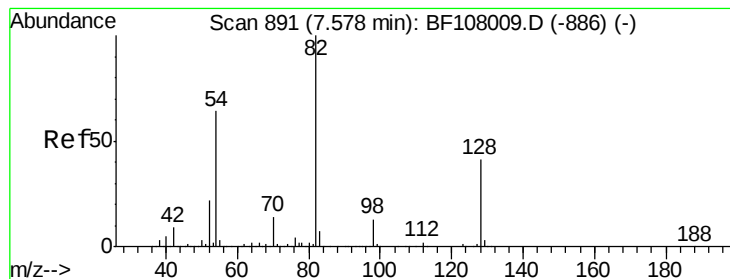
Tgt Ion	Ratio	Lower	Upper
70	100		
42	56.5	47.5	71.3
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	5.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 86.523 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

Instrument :

BNA_F

ClientSampleId :

RA-081418-FL-028

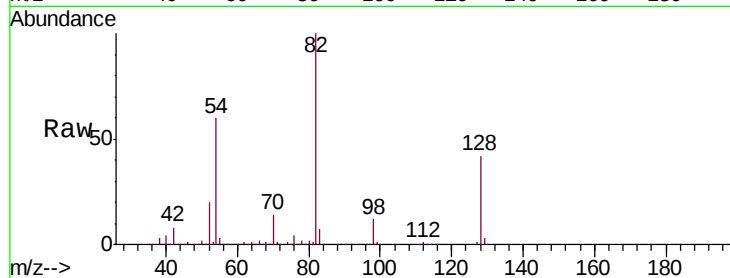
Tgt Ion: 82 Resp: 903841

Ion Ratio Lower Upper

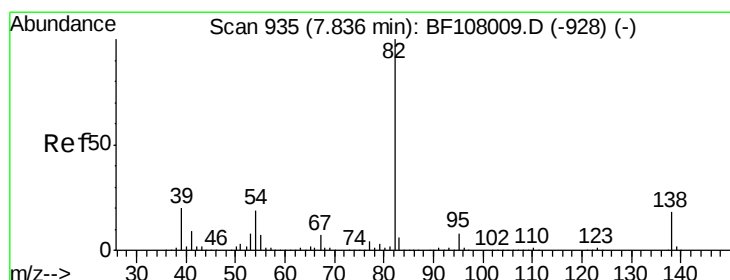
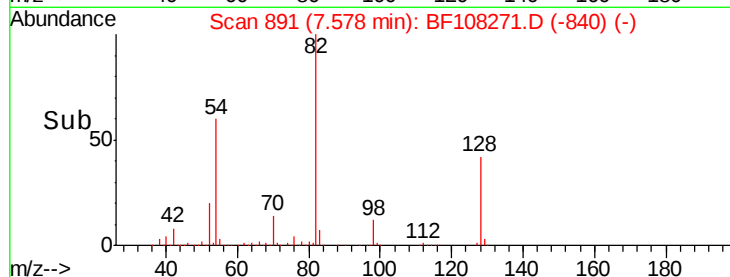
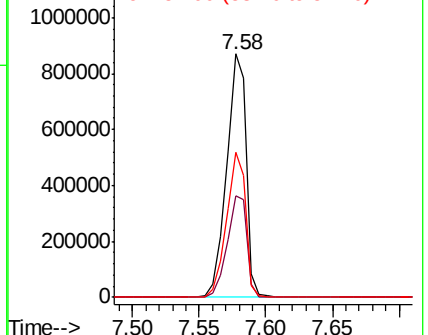
82 100

128 41.5 36.1 54.1

54 59.6 41.4 62.2



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: 45.394 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

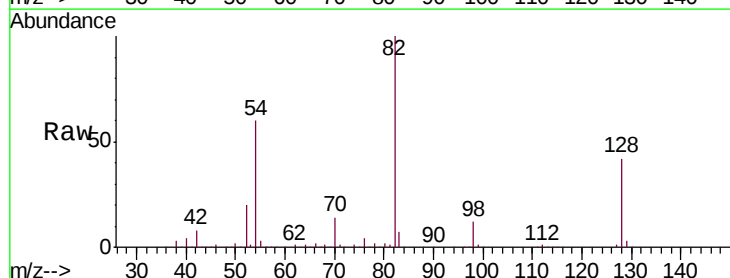
Tgt Ion: 82 Resp: 903834

Ion Ratio Lower Upper

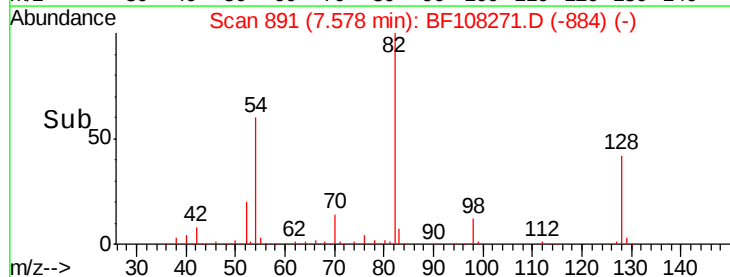
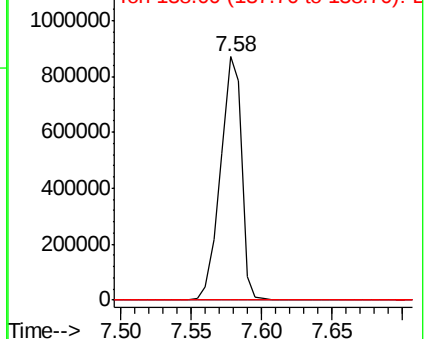
82 100

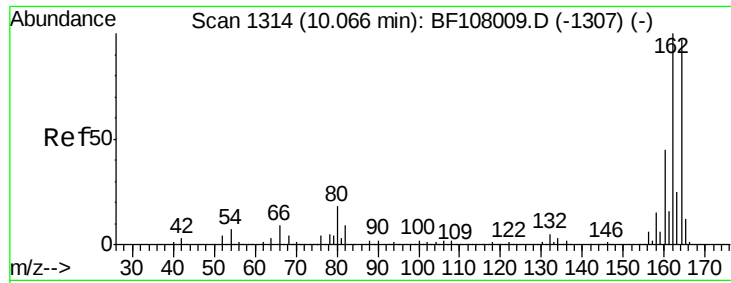
95 0.0 5.2 7.8#

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108271.D

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BNA_F

ClientSampleId :

RA-081418-FL-028

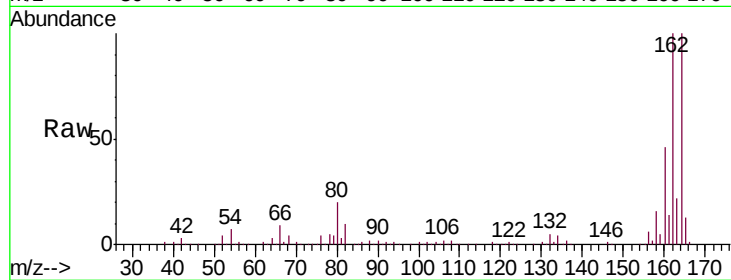
Tgt Ion:164 Resp: 266190

Ion Ratio Lower Upper

164 100

162 100.2 86.1 129.1

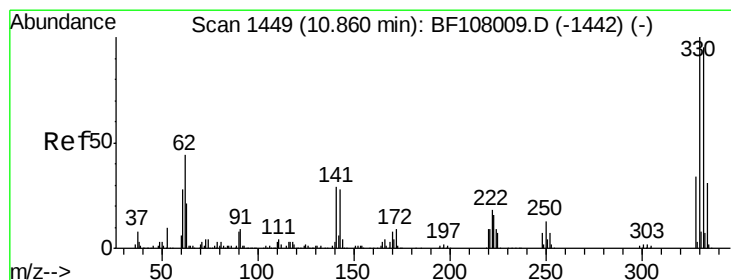
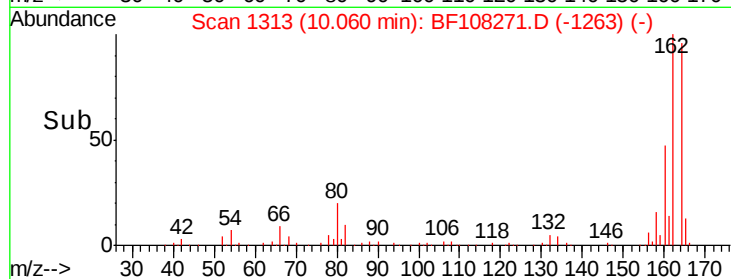
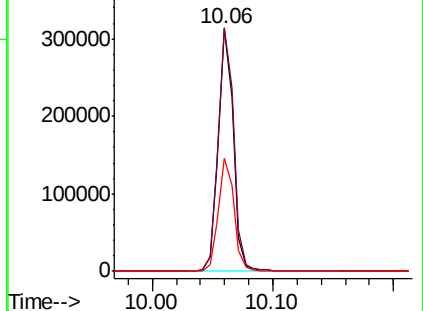
160 46.5 38.3 57.5



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: 105.873 ng

RT: 10.86 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

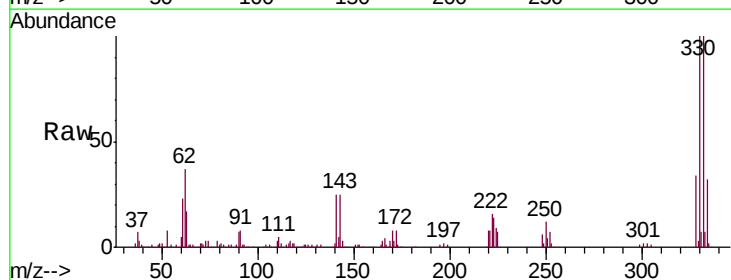
Tgt Ion:330 Resp: 281111

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

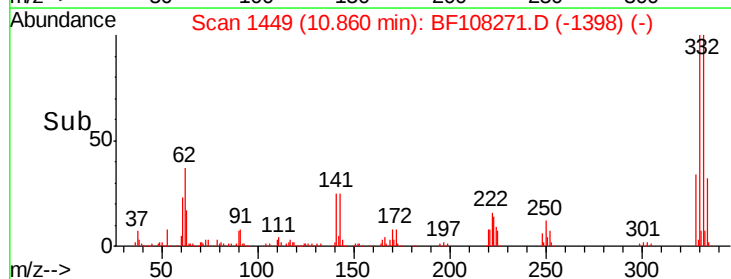
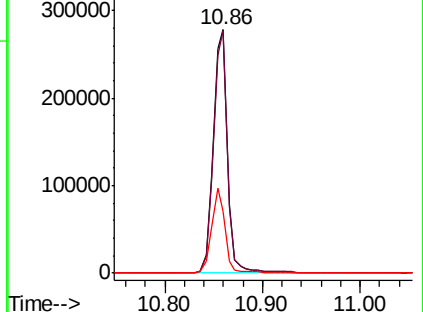
141 33.2 29.9 44.9



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

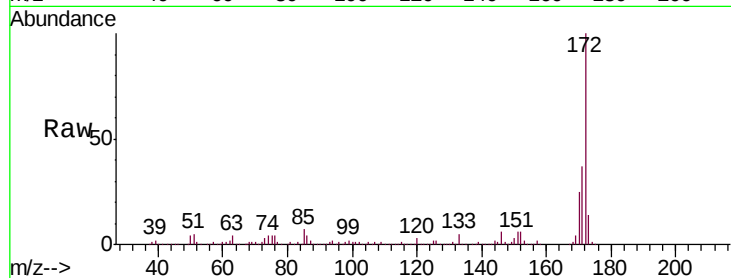




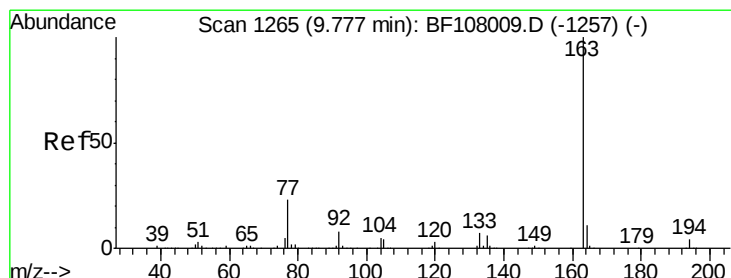
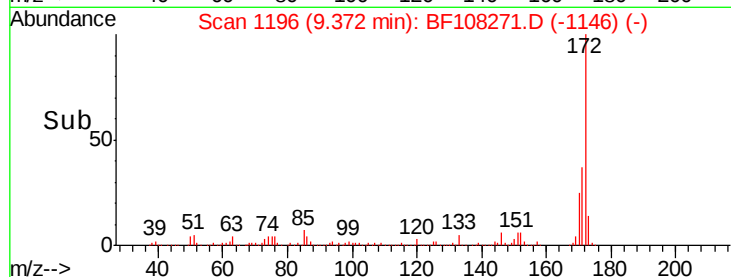
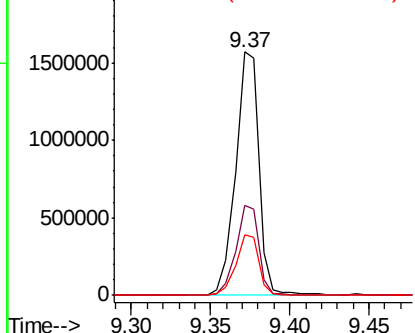
#44
2-Fluorobiphenyl
Concen: 96.985 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

Instrument :
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RA-081418-FL-028

Tgt Ion:172 Resp: 1608027
Ion Ratio Lower Upper
172 100
171 36.8 29.7 44.5
170 24.8 19.6 29.4

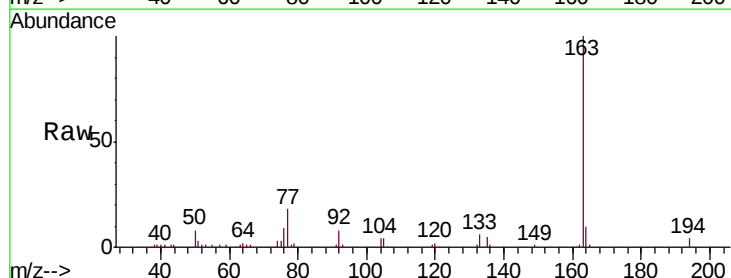


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

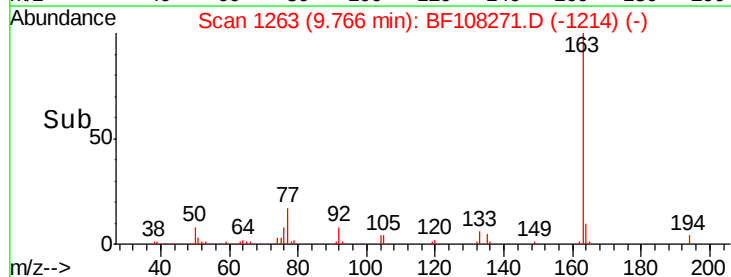
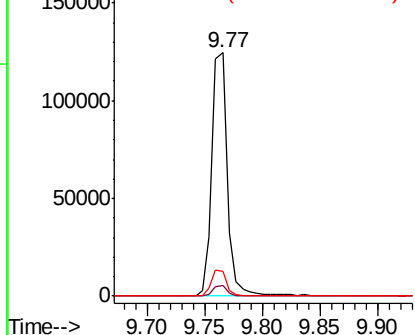


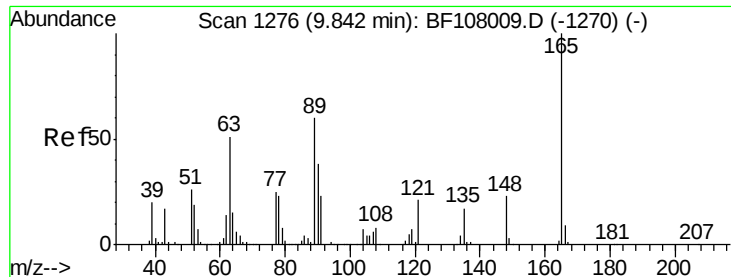
#49
Dimethylphthalate
Concen: 6.331 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

Tgt Ion:163 Resp: 117390
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 10.0 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

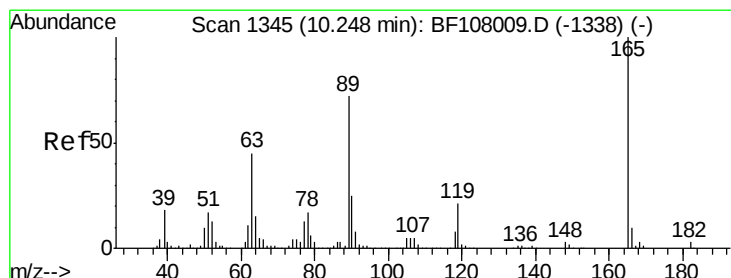
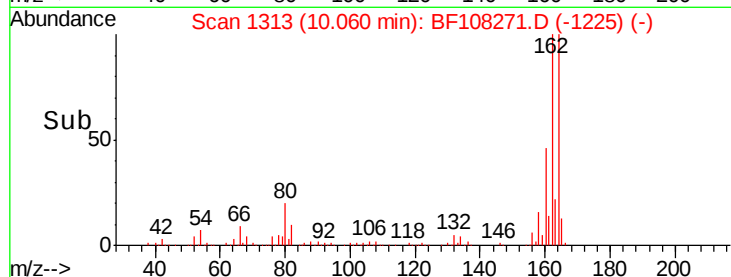
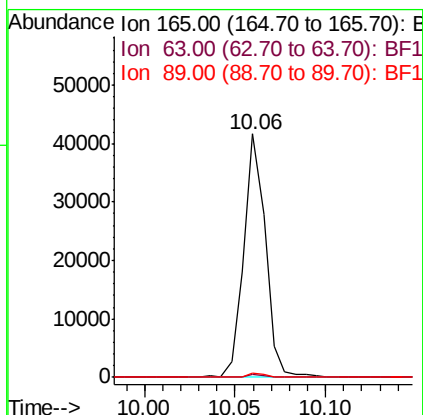
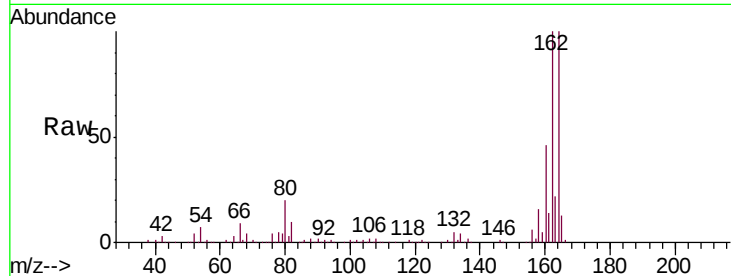




#50
 2,6-Dinitrotoluene
 Concen: 8.948 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108271.D
 Acq: 18 Aug 2018 4:36

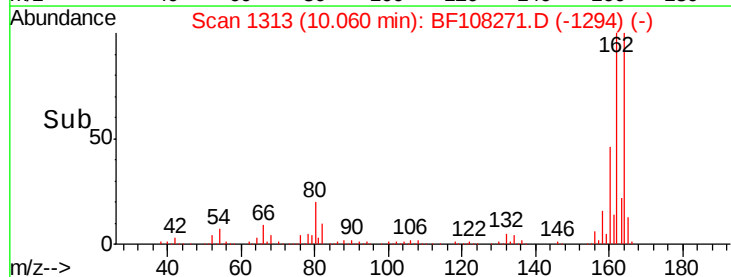
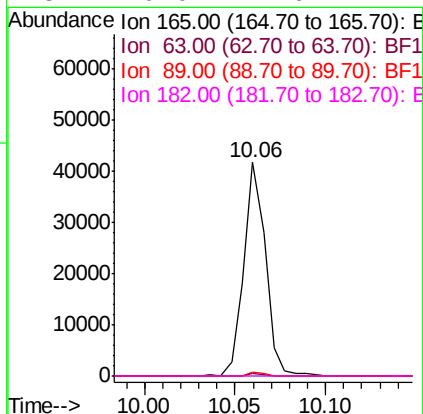
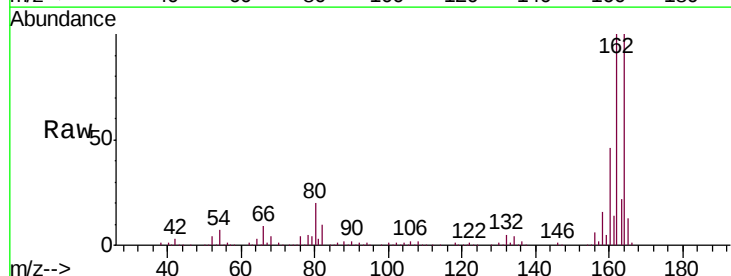
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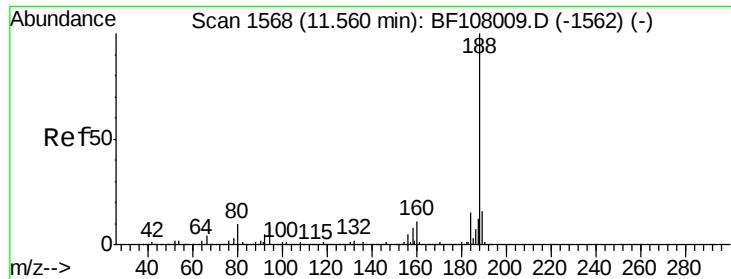
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.952 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108271.D
 Acq: 18 Aug 2018 4:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

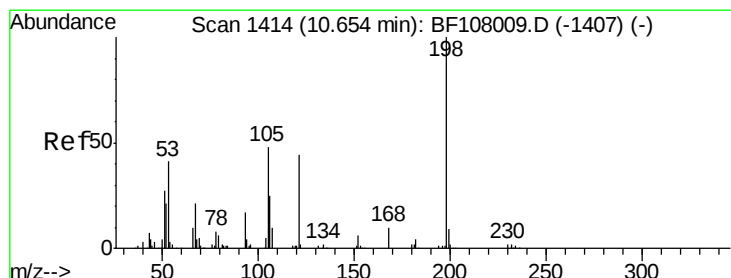
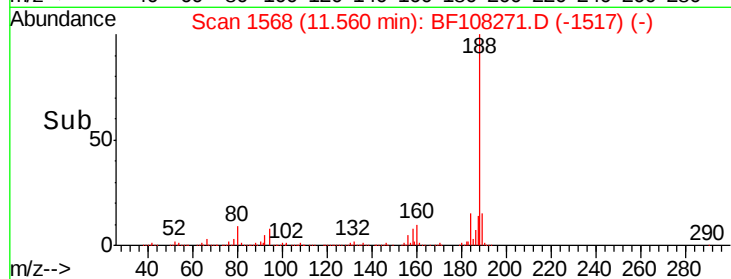
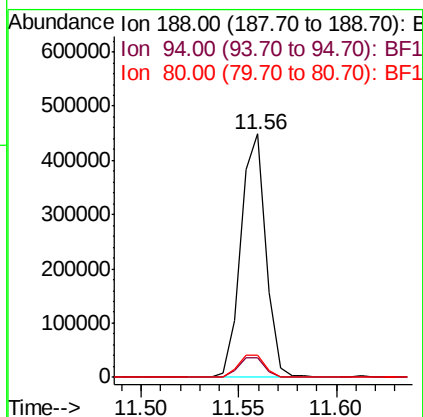
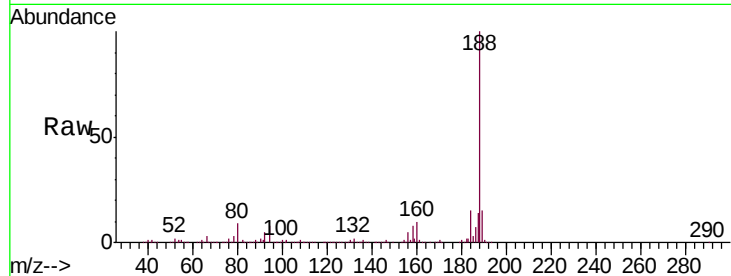




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

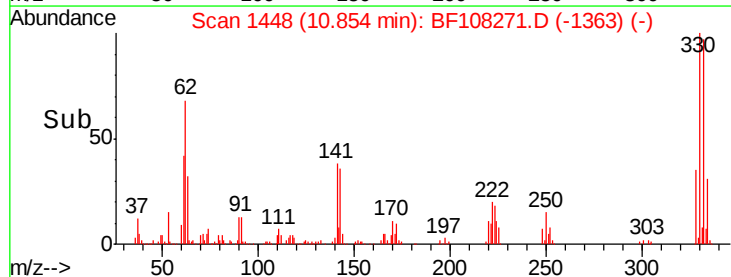
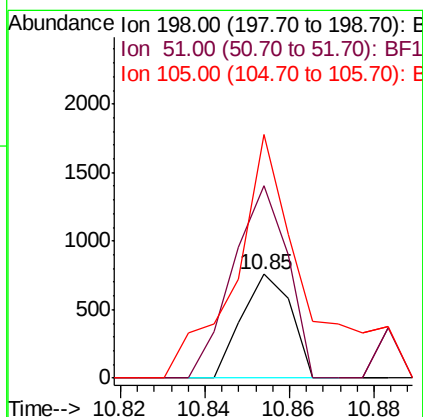
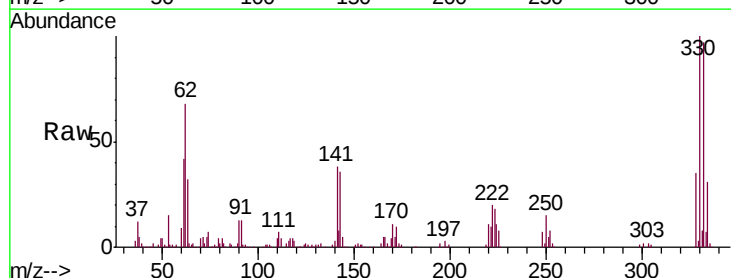
Instrument :
BNA_F
ClientSampleId :
RA-081418-FL-028

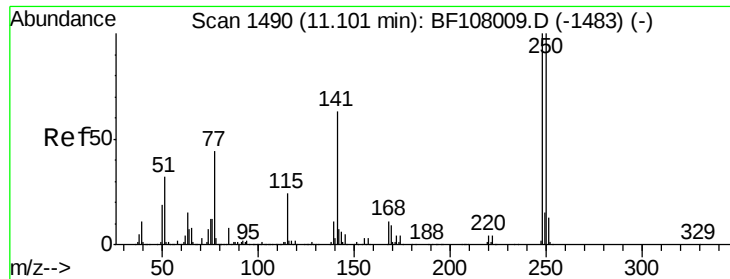
Tgt Ion:188 Resp: 400166
Ion Ratio Lower Upper
188 100
94 8.2 8.5 12.7#
80 8.9 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.723 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF108271.D
Acq: 18 Aug 2018 4:36

Tgt Ion:198 Resp: 616
Ion Ratio Lower Upper
198 100
51 185.8 37.7 77.7#
105 235.1 36.3 76.3#

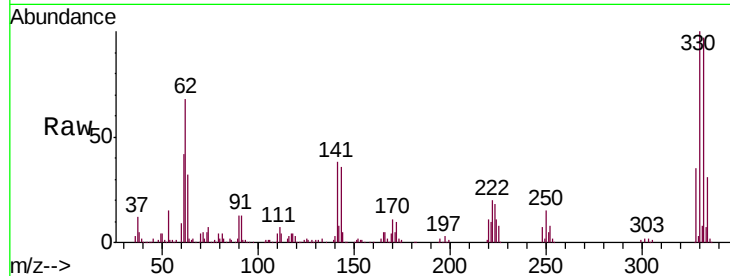




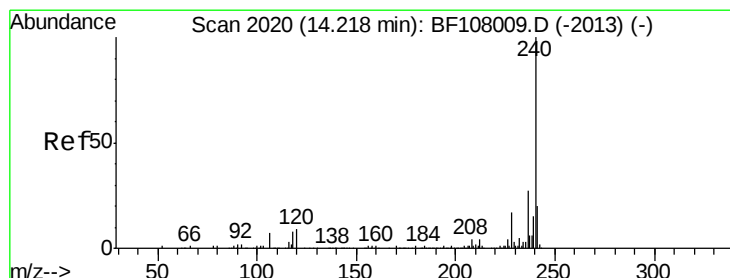
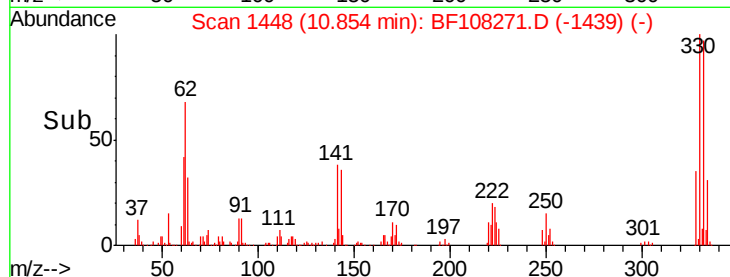
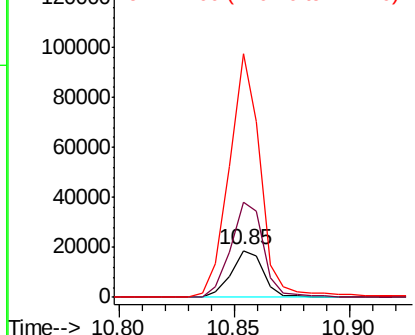
#66
 4-Bromophenyl-phenylether
 Concen: 4.186 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108271.D
 Acq: 18 Aug 2018 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RA-081418-FL-028

Tgt Ion:248 Resp: 18204
 Ion Ratio Lower Upper
 248 100
 250 202.0 76.9 115.3#
 141 520.1 74.4 111.6#

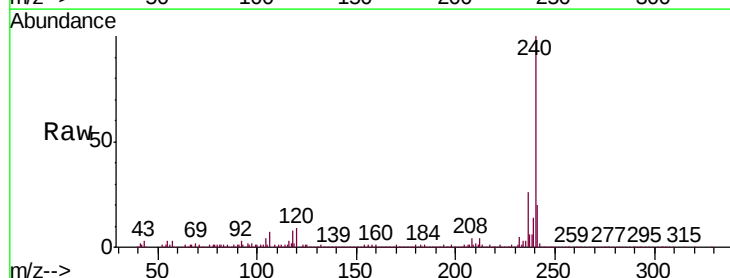


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

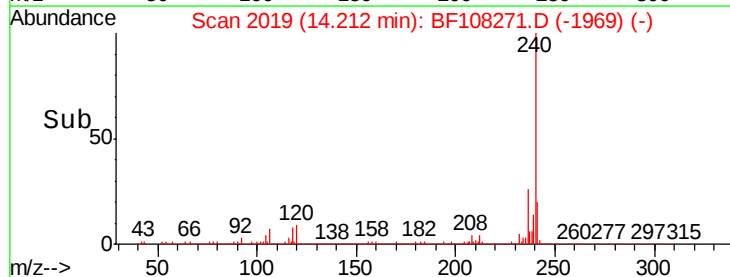
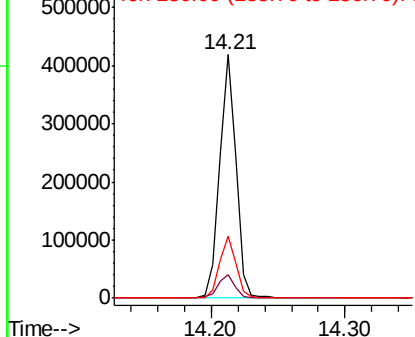


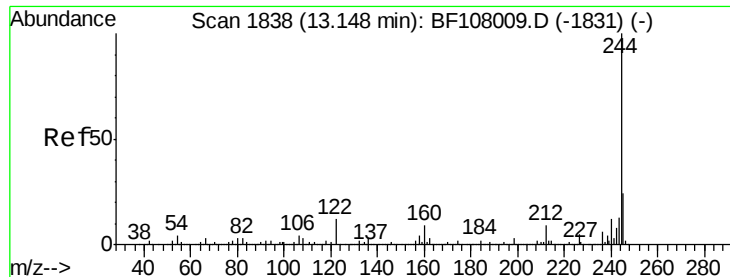
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF108271.D
 Acq: 18 Aug 2018 4:36

Tgt Ion:240 Resp: 366220
 Ion Ratio Lower Upper
 240 100
 120 9.5 9.5 14.3#
 236 25.7 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: 83.132 ng

RT: 13.15 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

Instrument :

BNA_F

ClientSampleId :

RA-081418-FL-028

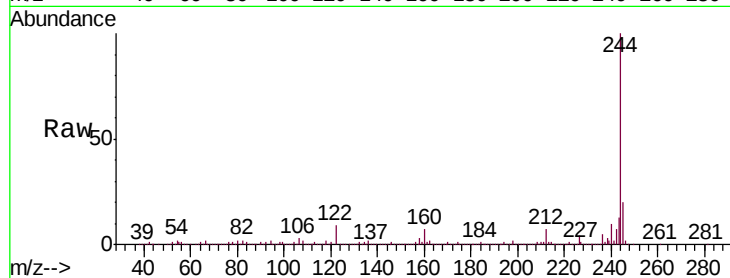
Tgt Ion:244 Resp: 1197402

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

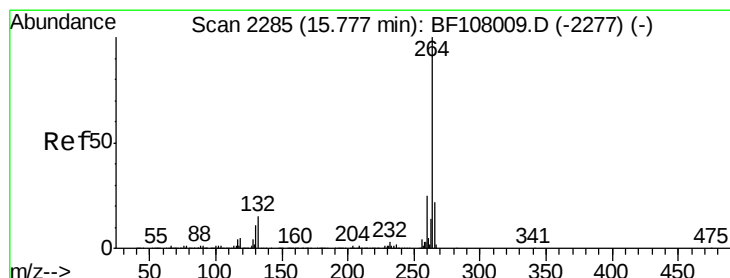
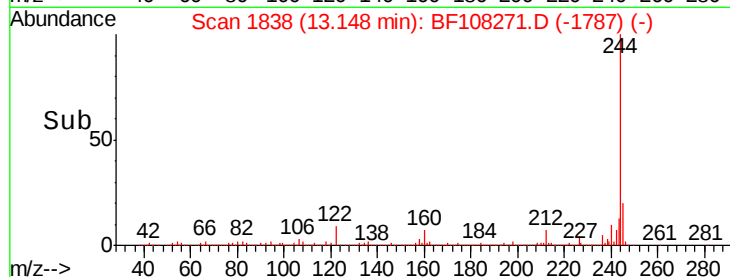
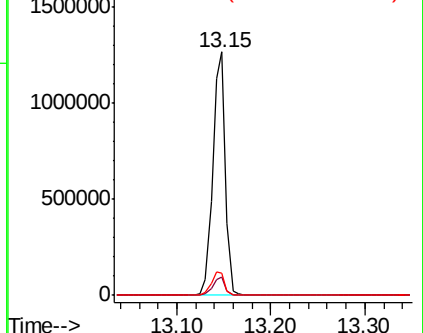
122 9.0 11.0 16.4#



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: 15.78 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF108271.D

Acq: 18 Aug 2018 4:36

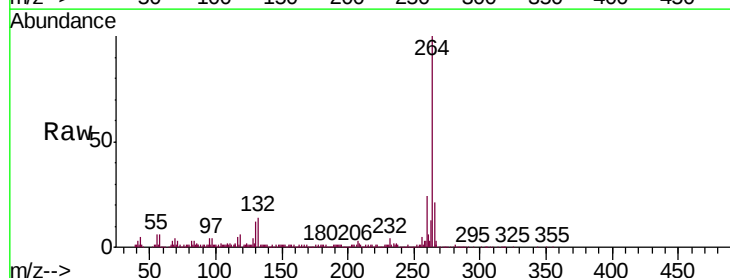
Tgt Ion:264 Resp: 246261

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.4 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

