

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108293.D
 Acq On : 20 Aug 2018 16:43
 Operator : JU/SJ
 Sample : J4502-03RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BROWN-FRAC-TANKRE

Quant Time: Aug 20 17:10:25 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

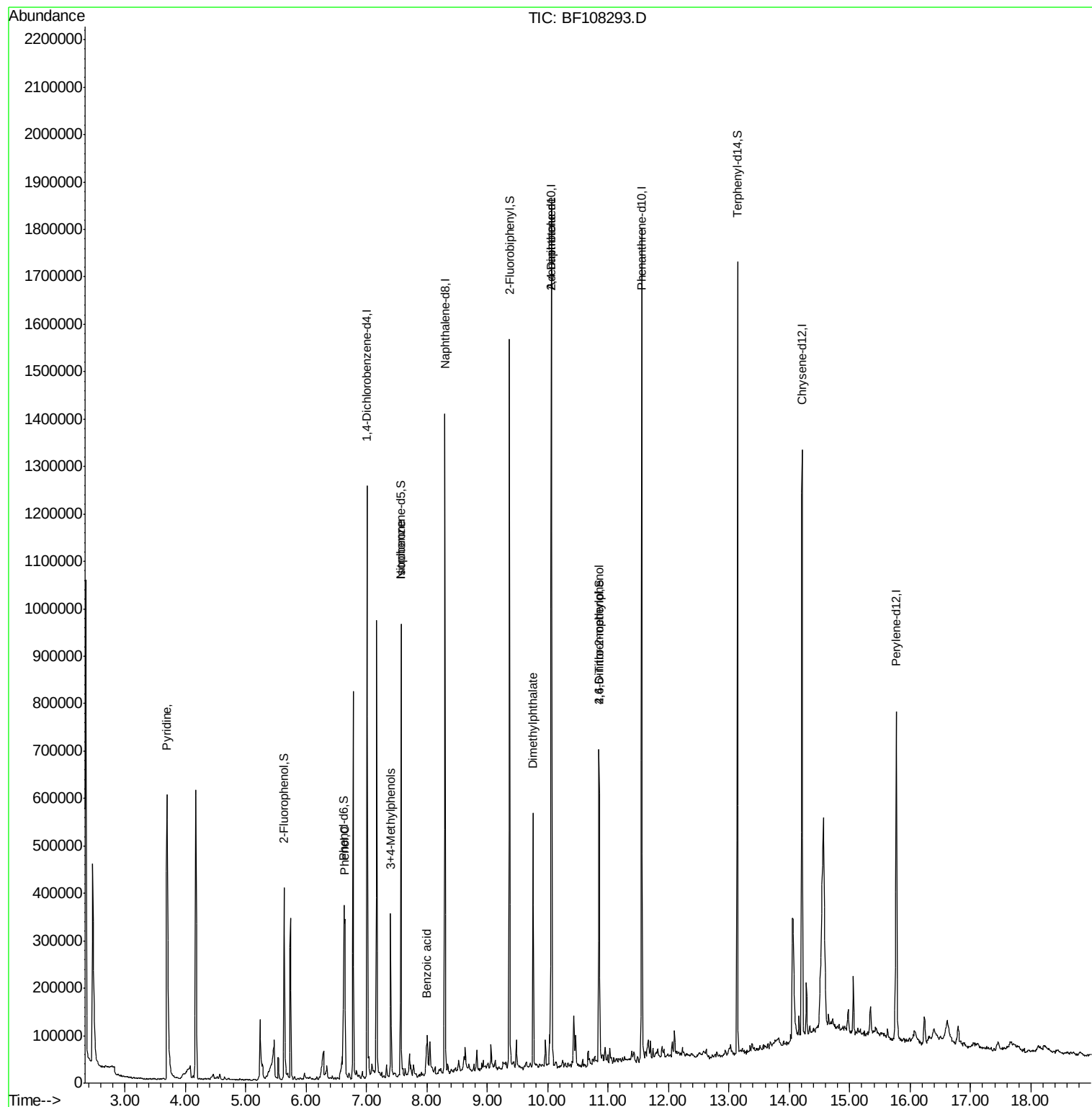
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	162091	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	635798	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	335193	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	664088	20.00	ng	0.00
75) Chrysene-d12	14.21	240	439802	20.00	ng	0.00
86) Perylene-d12	15.77	264	355275	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	125769	14.05	ng	0.00
7) Phenol-d6	6.62	99	116101	9.76	ng	0.00
23) Nitrobenzene-d5	7.57	82	272656	23.93	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	81940	24.51	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	496756	23.79	ng	0.00
78) Terphenyl-d14	13.14	244	548744	31.72	ng	0.00
Target Compounds						
3) Pyridine	3.70	79	327875	27.667	ng	88
10) Phenol	6.64	94	90861	7.383	ng	93
20) 3+4-Methylphenols	7.40	107	84801	7.653	ng	89
25) Isophorone	7.57	82	269547	12.412	ng	# 64
32) Benzoic acid	8.00	122	12472	7.927	ng	98
49) Dimethylphthalate	9.76	163	195048	8.354	ng	99
56) 2,4-Dinitrotoluene	10.06	165	42624	6.779	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.85	198	152	5.413	ng	# 1

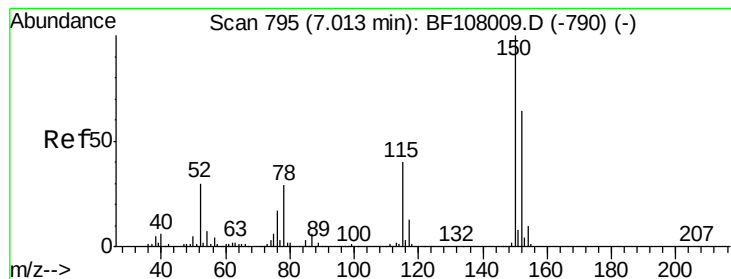
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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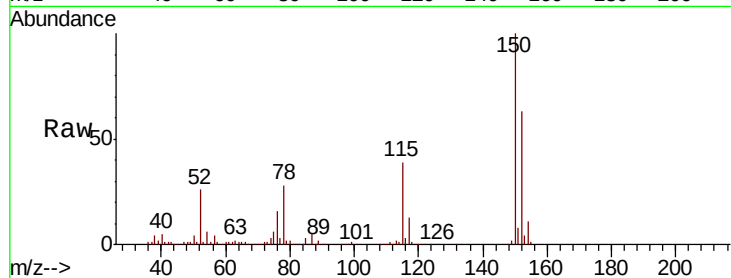


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Instrument :
BNA_F
ClientSampleId :
BROWN-FRAC-TANKRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	61.2	50.1	75.1

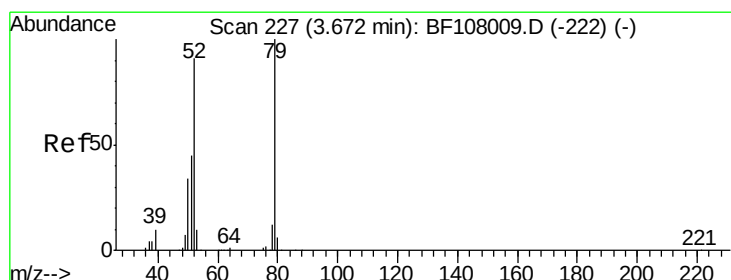
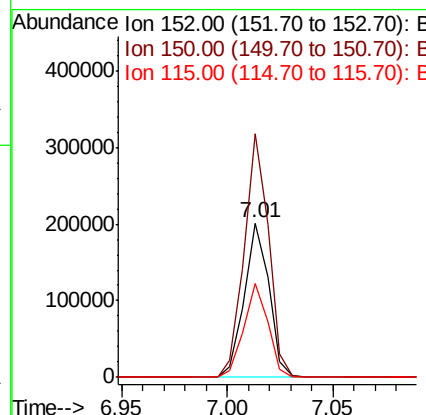
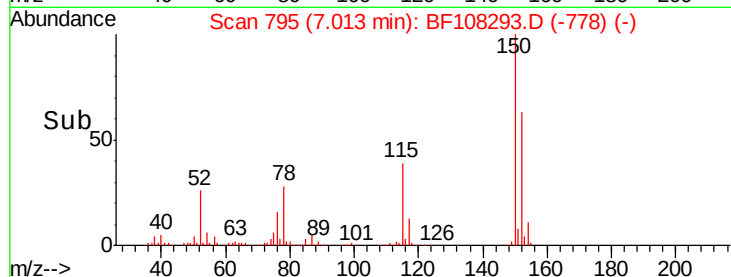


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

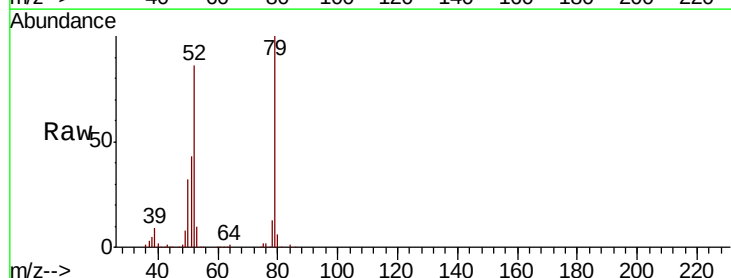
Ion 115.00 (114.70 to 115.70): E



#3

Pyridine
Concen: 27.667 ng
RT: 3.70 min Scan# 231
Delta R.T. 0.02 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
79	100		
52	86.3	59.8	89.6
51	43.3	29.8	44.8

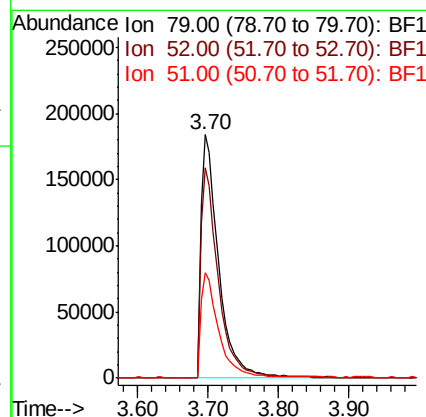
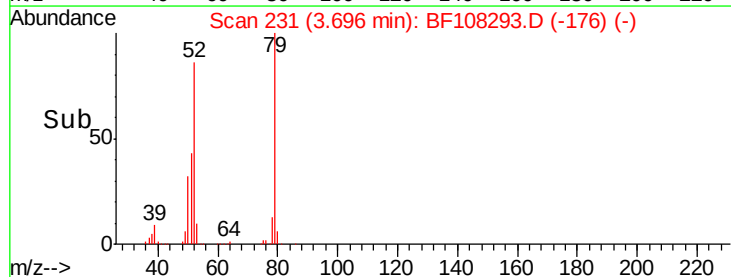


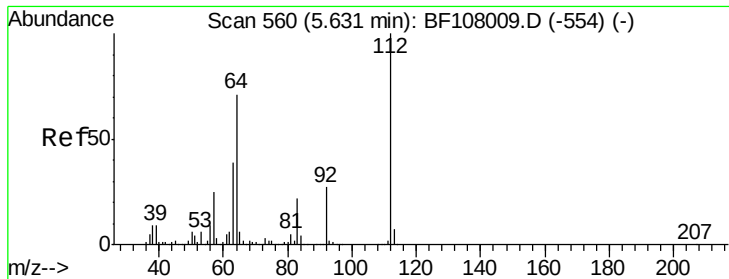
Abundance

Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 14.048 ng

RT: 5.64 min Scan# 561

Delta R.T. 0.01 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

Instrument :

BNA_F

ClientSampleId :

BROWN-FRAC-TANKRE

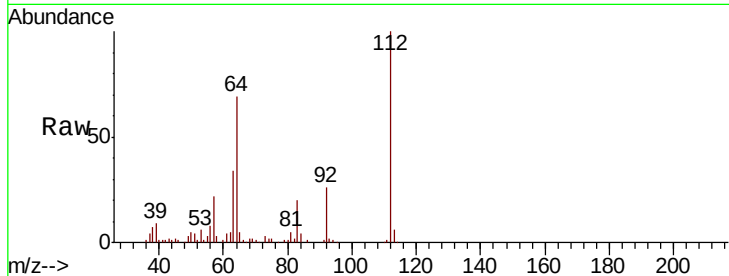
Tot Ion:112 Resp: 125769

Ion Ratio Lower Upper

112 100

64 68.6 47.9 71.9

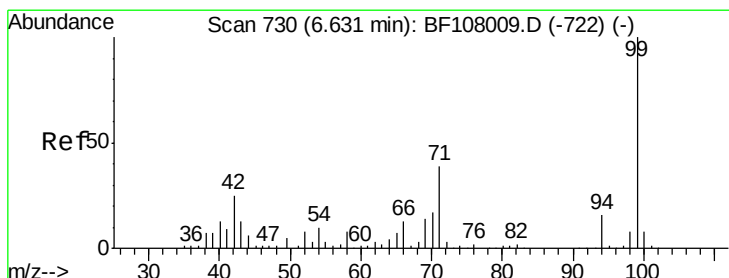
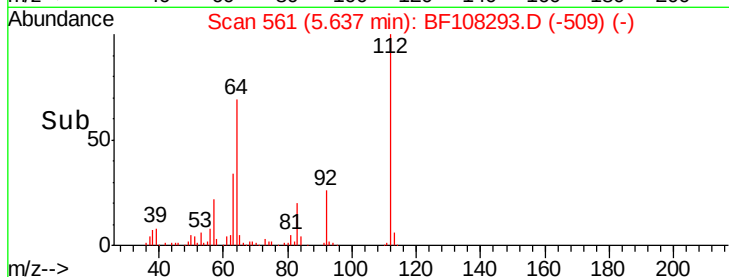
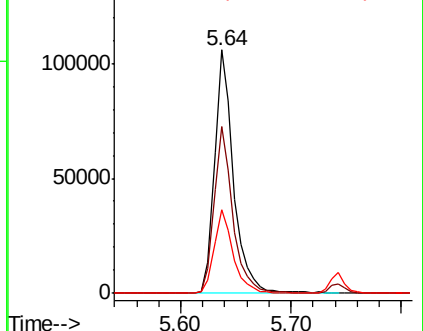
63 34.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 9.759 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

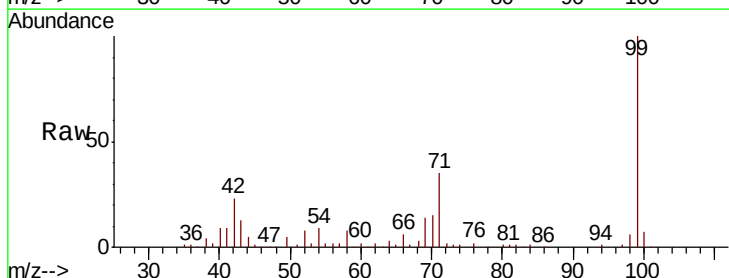
Tgt Ion: 99 Resp: 116101

Ion Ratio Lower Upper

99 100

42 23.0 14.5 21.7#

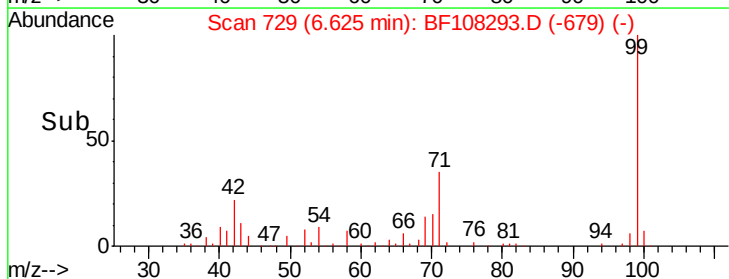
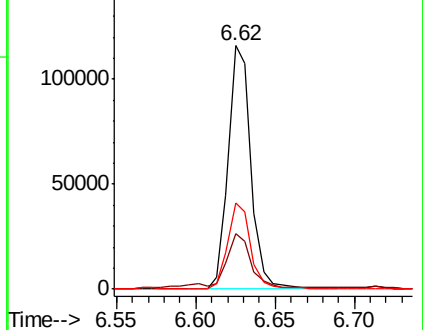
71 35.5 25.4 38.0

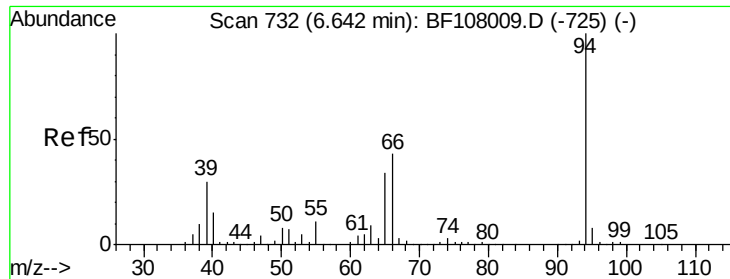


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

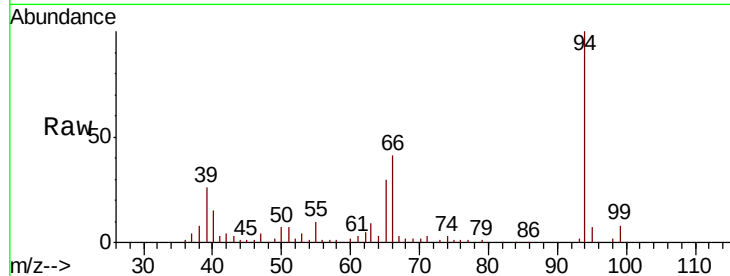




#10
Phenol
Concen: 7.383 ng
RT: 6.64 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Instrument :
BNA_F
ClientSampleId :
BROWN-FRAC-TANKRE

Tot Ion	Ratio	Lower	Upper
94	100		
65	30.5	7.9	47.9
66	41.0	16.2	56.2

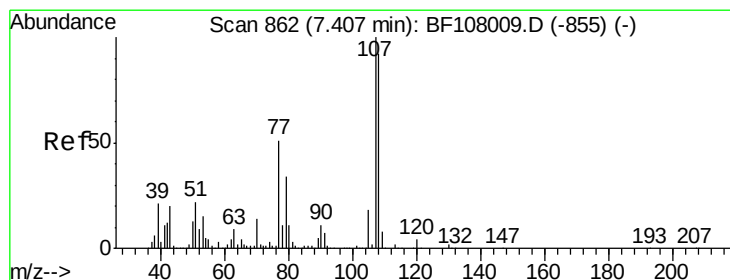
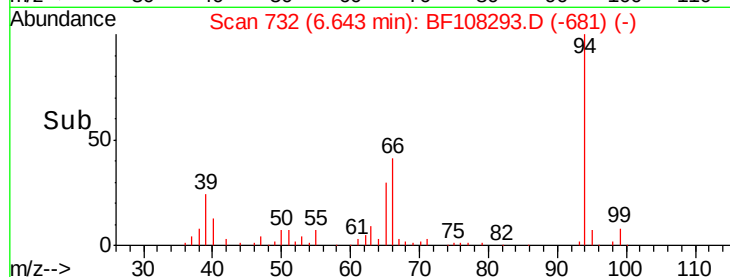
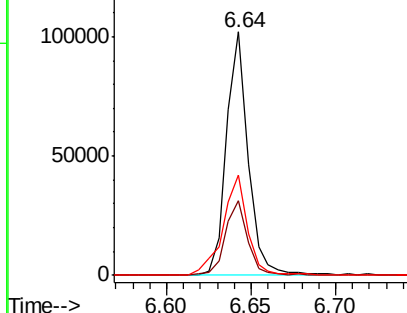


Abundance

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



#20
3+4-Methylphenols
Concen: 7.653 ng
RT: 7.40 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	80.7	68.2	108.2
77	32.0	26.7	66.7
79	24.5	6.3	46.3

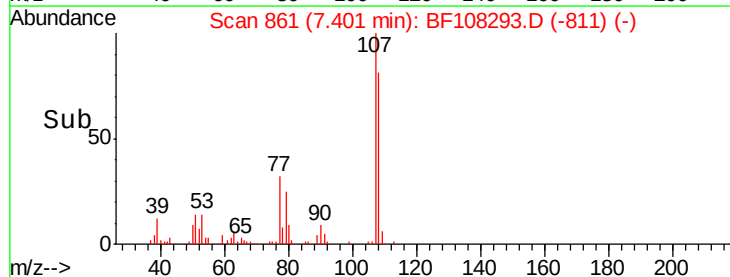
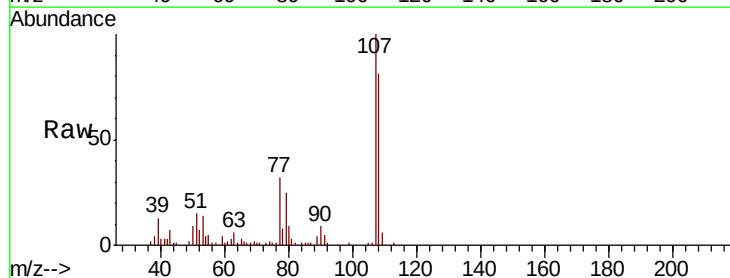
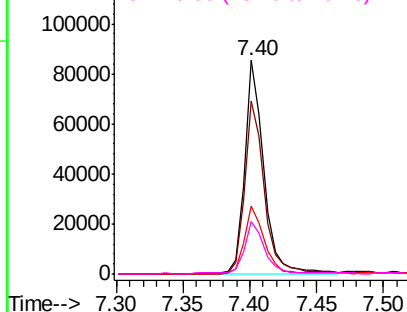
Abundance

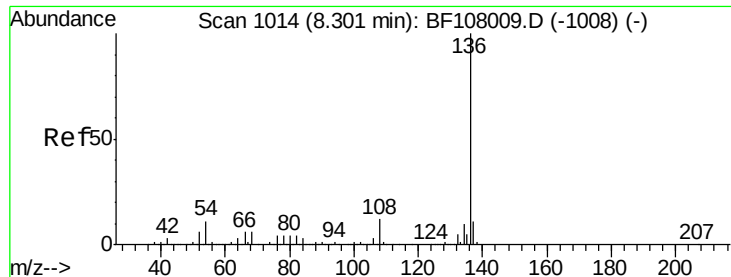
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

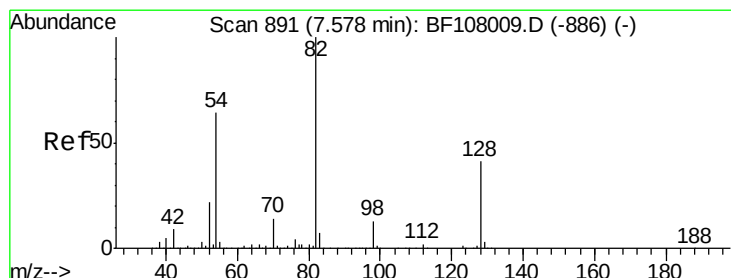
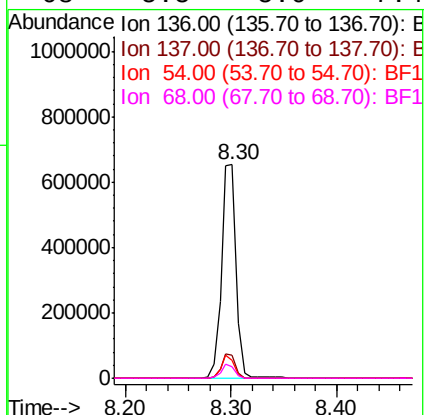
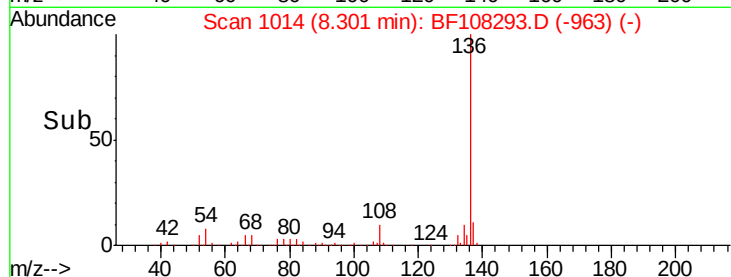
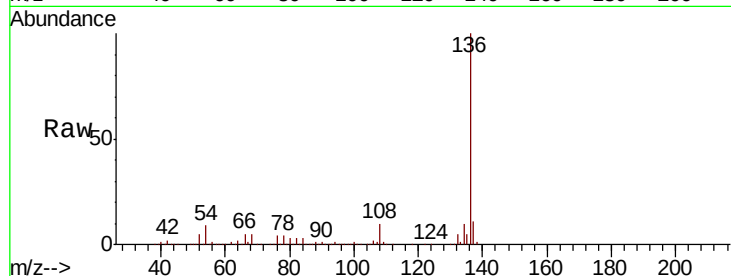




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

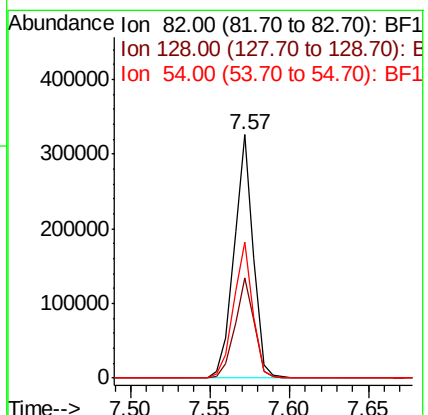
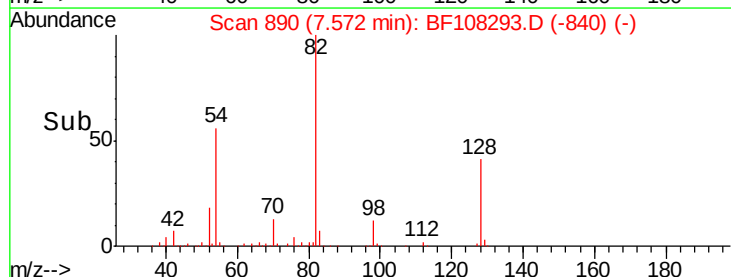
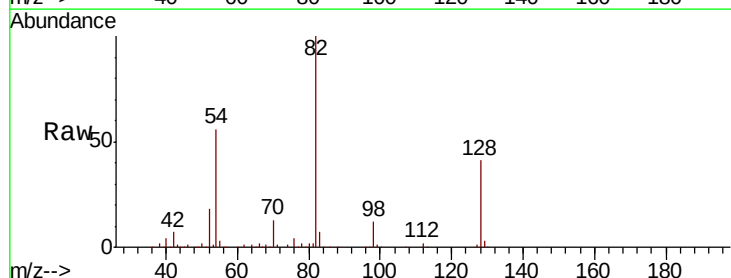
Instrument :
BNA_F
ClientSampleId :
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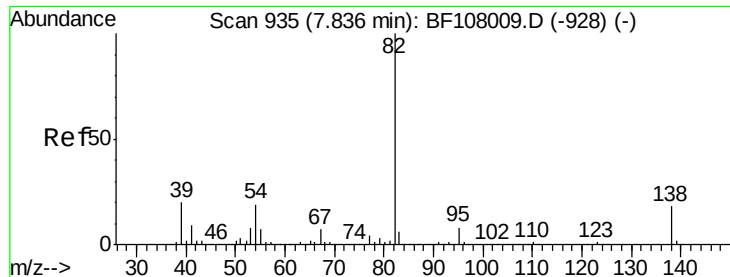
Tot Ion:136	Resp: 635798
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 8.6	6.6 9.8
68 5.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 23.930 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Tgt Ion: 82	Resp: 272656
Ion Ratio	Lower Upper
82 100	
128 41.4	36.1 54.1
54 55.7	41.4 62.2





#25

Isophorone

Concen: 12.412 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

Instrument :

BNA_F

ClientSampleId :

BROWN-FRAC-TANKRE

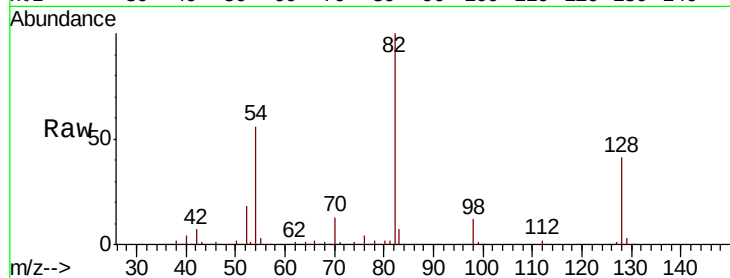
Tot Ion: 82 Resp: 269547

Ion Ratio Lower Upper

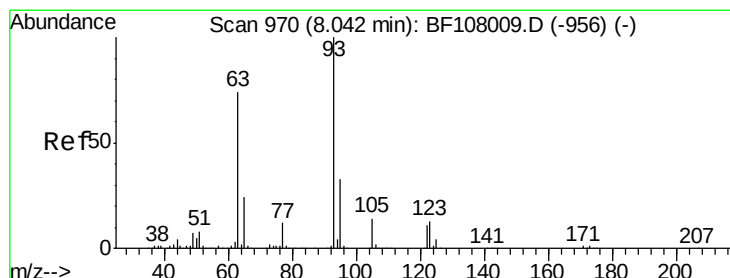
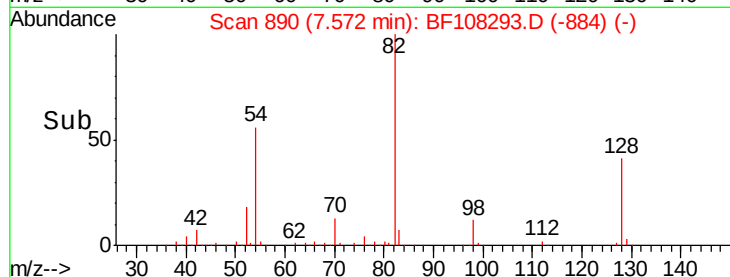
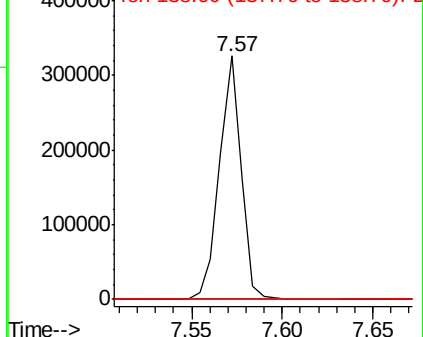
82 100

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



#32

Benzoic acid

Concen: 7.927 ng

RT: 8.00 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

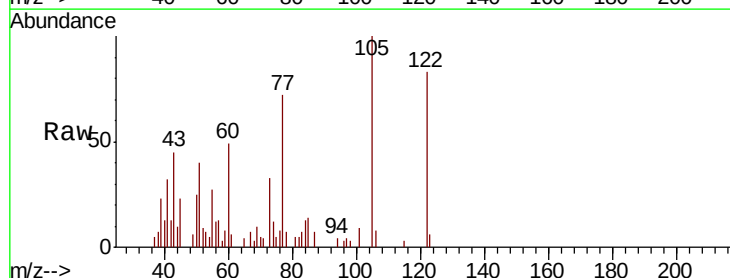
Tgt Ion:122 Resp: 12472

Ion Ratio Lower Upper

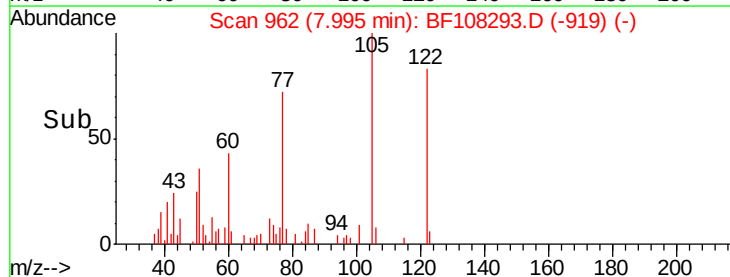
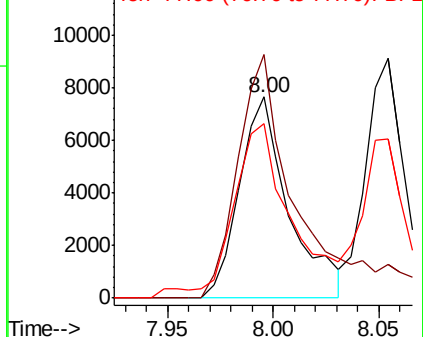
122 100

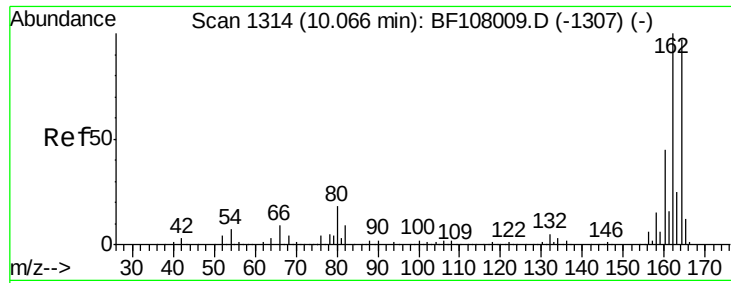
105 120.9 101.1 141.1

77 86.5 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

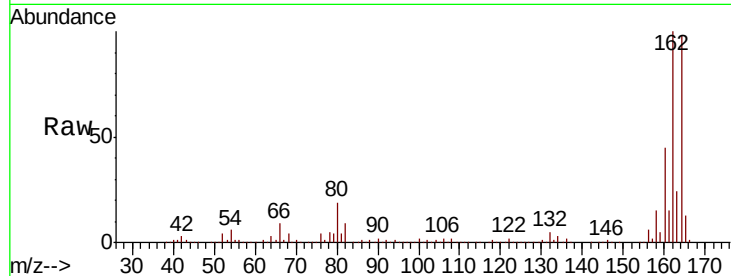




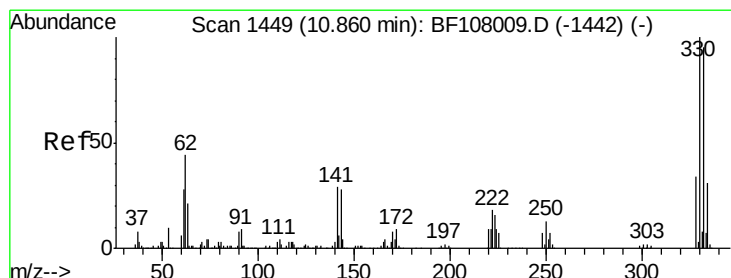
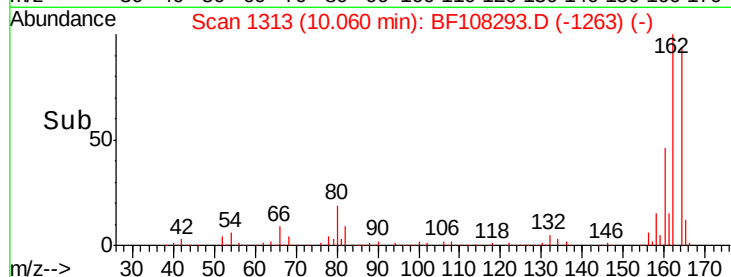
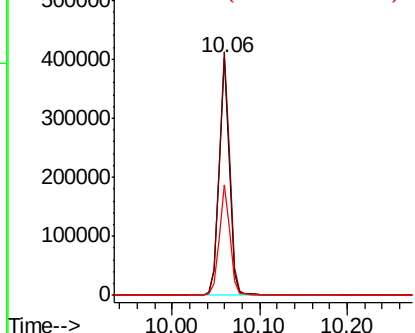
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Instrument :
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BROWN-FRAC-TANKRE

Tot Ion:164 Resp: 335193
Ion Ratio Lower Upper
164 100
162 102.4 86.1 129.1
160 46.6 38.3 57.5

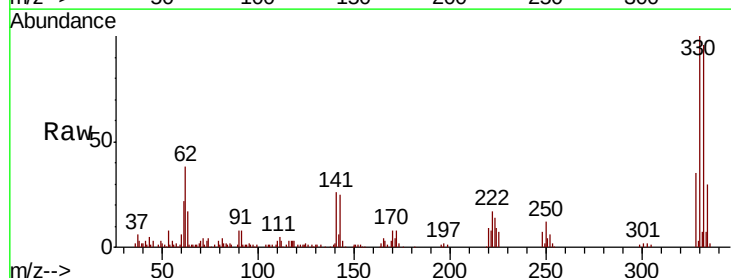


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

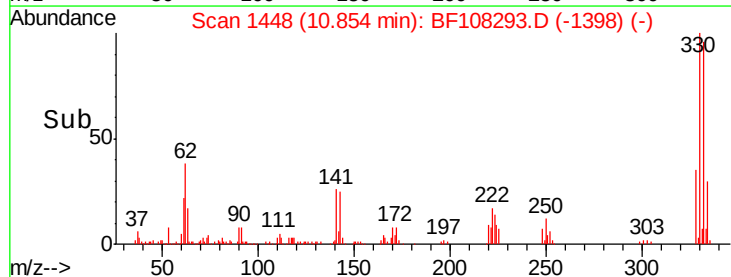
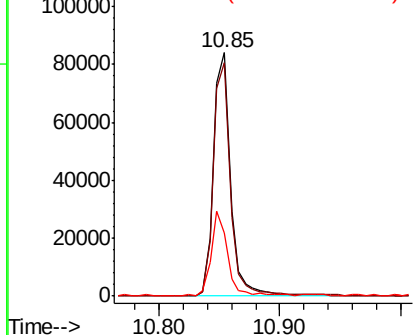


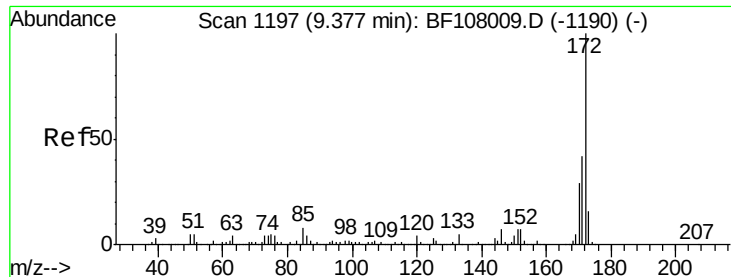
#41
2,4,6-Tribromophenol
Concen: 24.508 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Tgt Ion:330 Resp: 81940
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 33.9 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

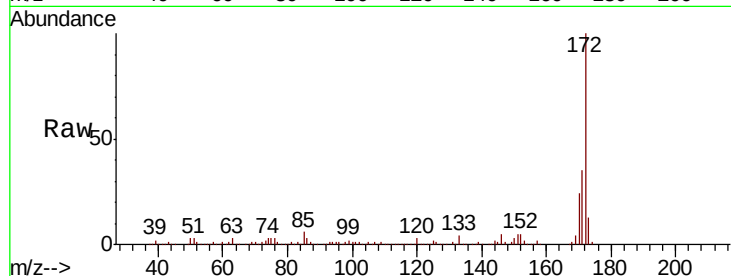




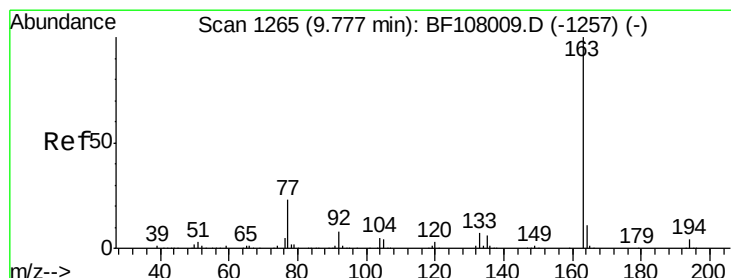
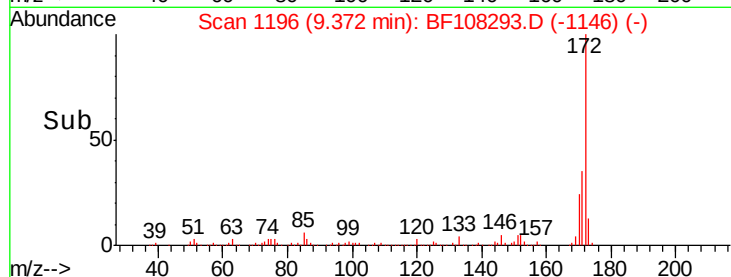
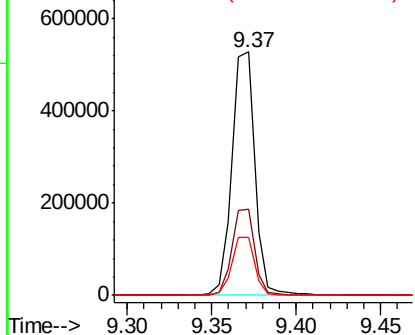
#44
2-Fluorobiphenyl
Concen: 23.793 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Instrument :
BNA_F
ClientSampleId :
BROWN-FRAC-TANKRE

Tot Ion:172 Resp: 496756
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 23.7 19.6 29.4

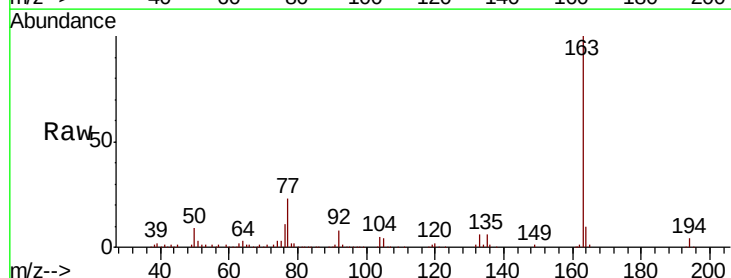


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

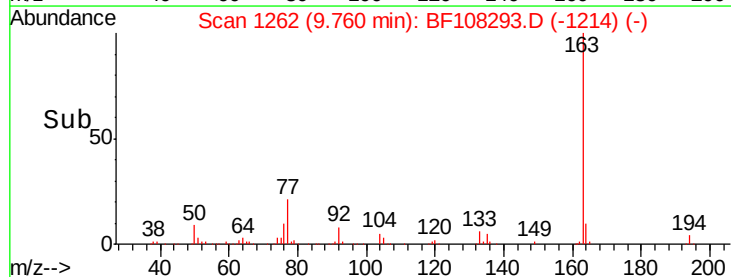
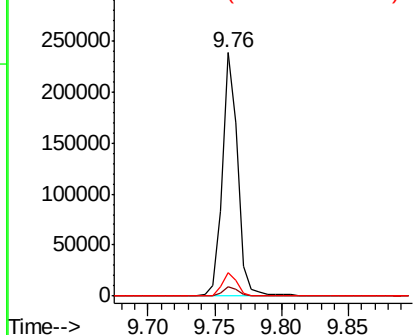


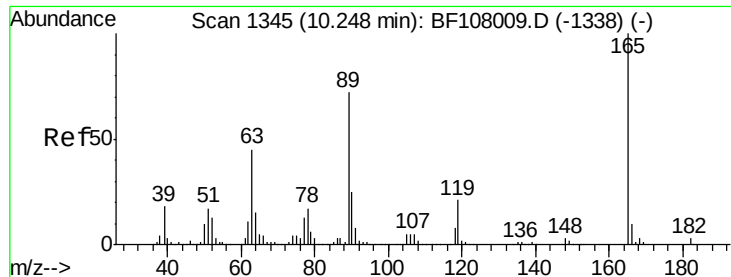
#49
Dimethylphthalate
Concen: 8.354 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108293.D
Acq: 20 Aug 2018 16:43

Tgt Ion:163 Resp: 195048
Ion Ratio Lower Upper
163 100
194 4.0 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: 6.779 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

Instrument :

BNA_F

ClientSampleId :

BROWN-FRAC-TANKRE

Tot Ion:165 Resp: 42624

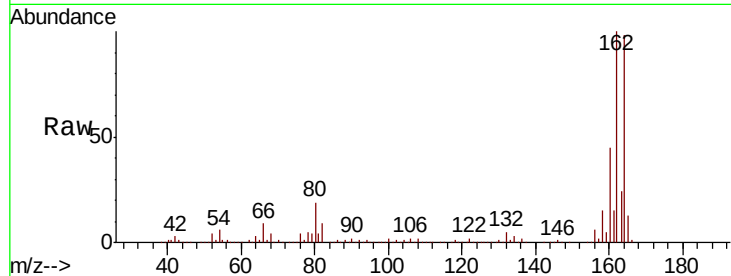
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

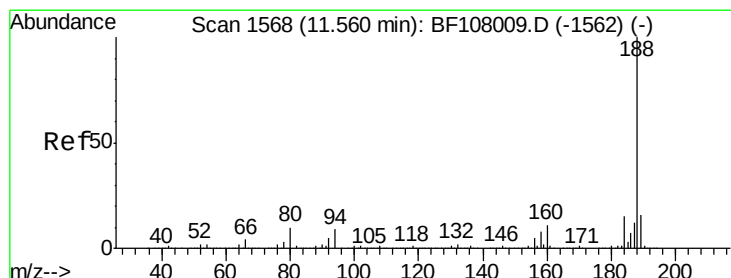
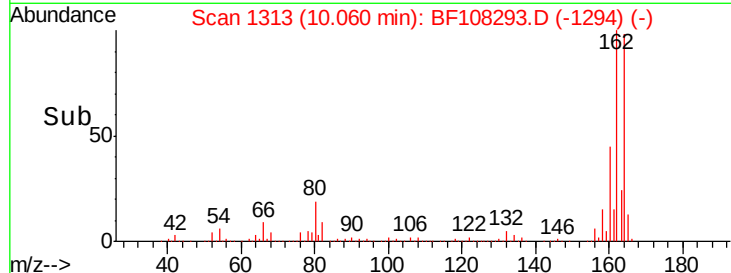
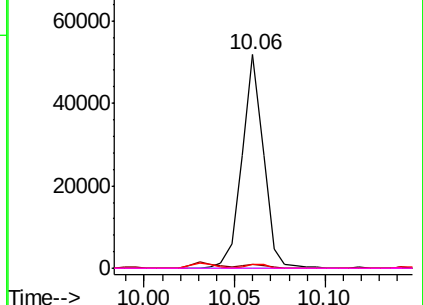


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

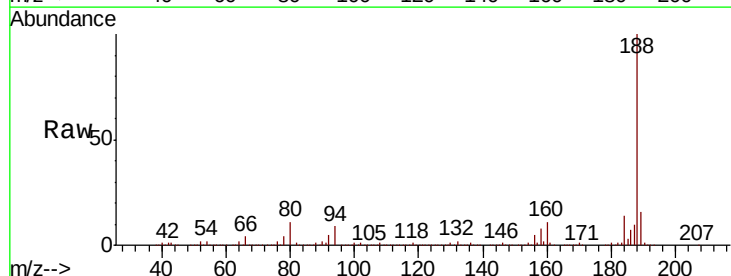
Tgt Ion:188 Resp: 664088

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

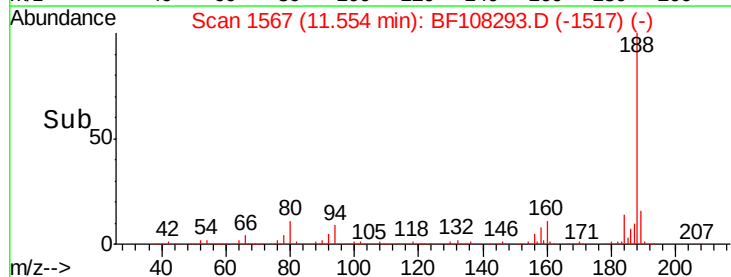
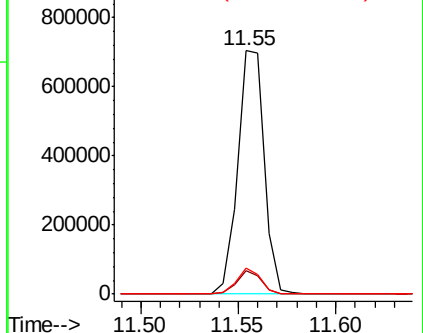
80 10.5 9.2 13.8

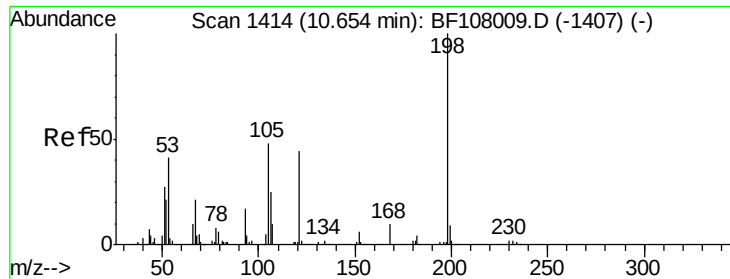


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.413 ng

RT: 10.85 min Scan# 1447

Delta R.T. 0.20 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

Instrument :

BNA_F

ClientSampleId :

BROWN-FRAC-TANKRE

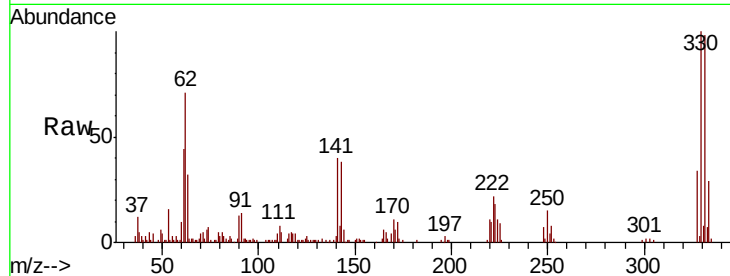
Tot Ion:198 Resp: 152

Ion Ratio Lower Upper

198 100

51 180.7 37.7 77.7#

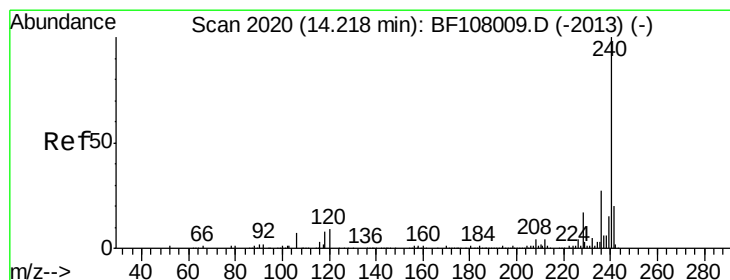
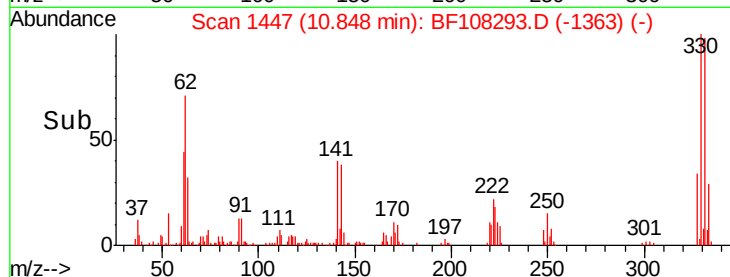
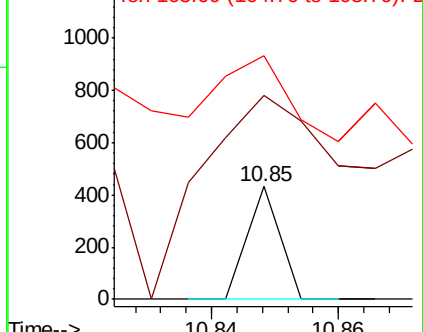
105 216.2 36.3 76.3#



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108293.D

Acq: 20 Aug 2018 16:43

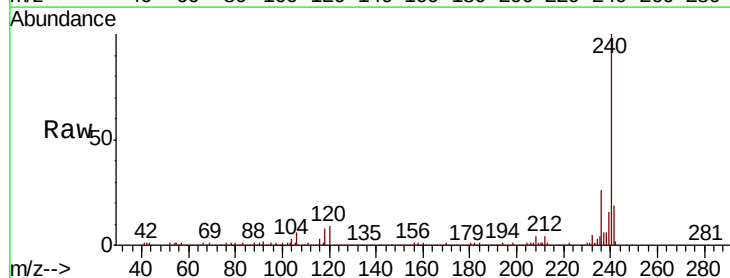
Tgt Ion:240 Resp: 439802

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

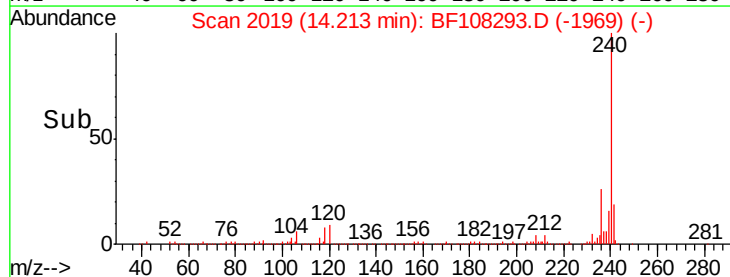
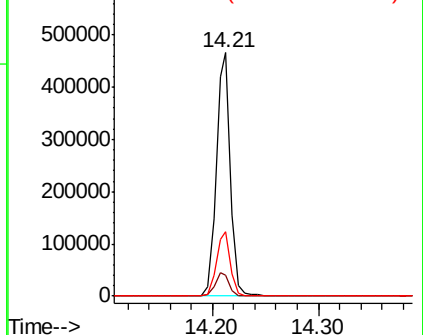
236 26.3 20.7 31.1

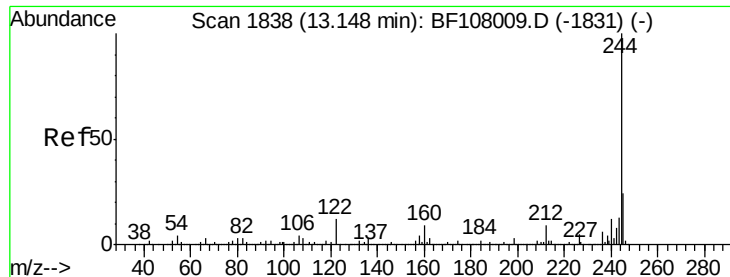


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

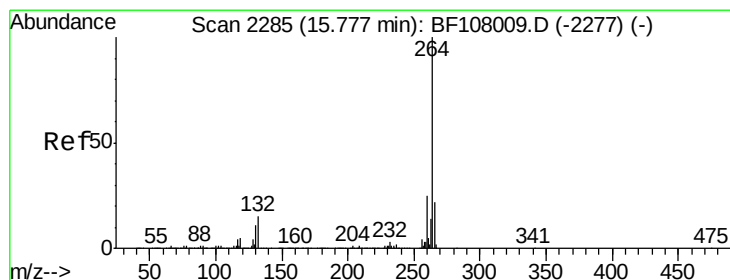
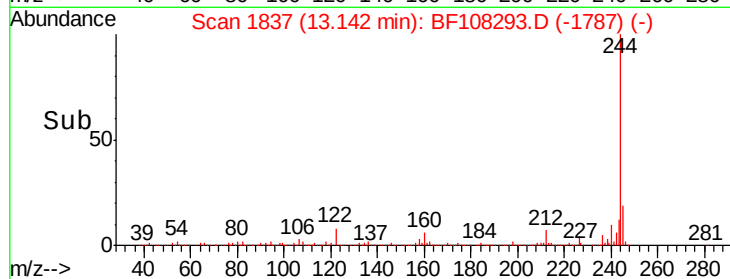
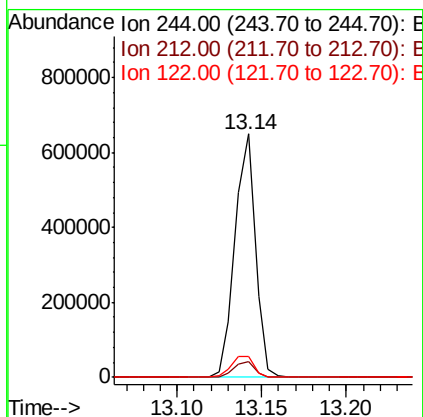
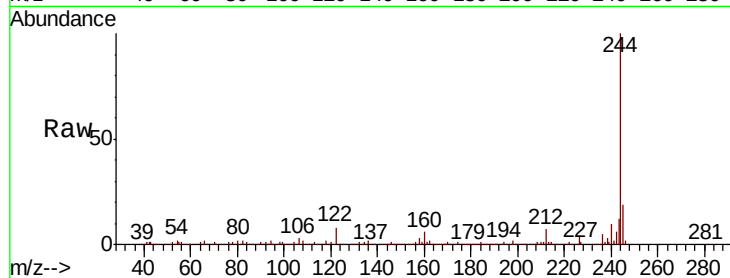




#78
 Terphenyl-d14
 Concen: 31.724 ng
 RT: 13.14 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF108293.D
 Acq: 20 Aug 2018 16:43

Instrument :
 BNA_F
 ClientSampleId :
 BROWN-FRAC-TANKRE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	8.5	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.77 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF108293.D
 Acq: 20 Aug 2018 16:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.6	17.5	26.3

