

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116552.D
 Acq On : 26 Aug 2019 3:14
 Operator : HP/JU
 Sample : K4510-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:32:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

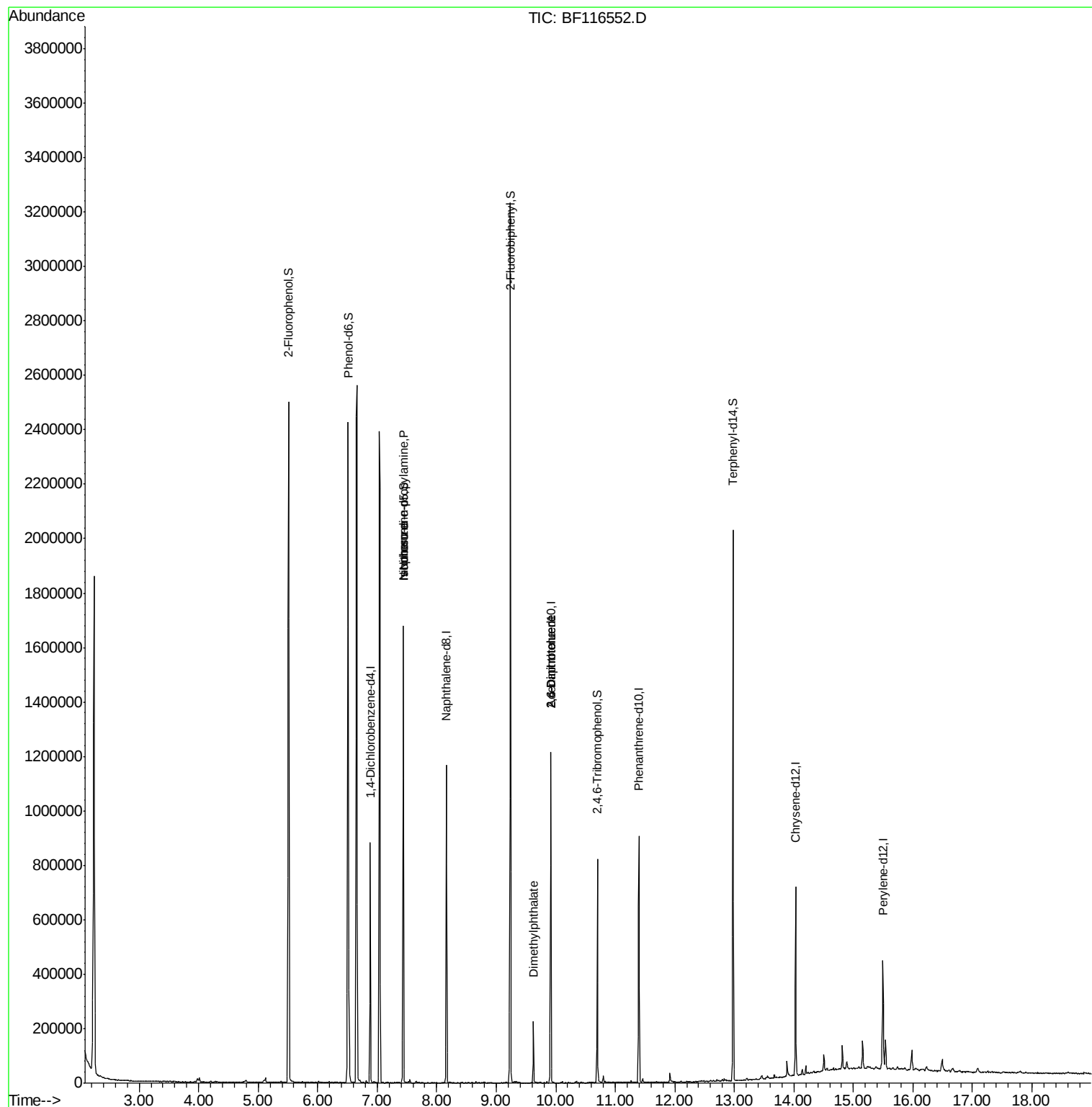
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	133794	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	499609	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	222974	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	297706	20.00	ng	0.00
76) Chrysene-d12	14.03	240	209653	20.00	ng	0.00
87) Perylene-d12	15.50	264	178516	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	717239	78.33	ng	0.01
7) Phenol-d6	6.51	99	943567	84.04	ng	0.00
23) Nitrobenzene-d5	7.44	82	552668	60.52	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	86147	44.99	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	965528	69.73	ng	0.00
79) Terphenyl-d14	12.98	244	636378	56.70	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	74377	9.708	ng	# 76
25) Isophorone	7.44	82	552498	30.701	ng	# 67
50) Dimethylphthalate	9.62	163	90086	5.791	ng	99
51) 2,6-Dinitrotoluene	9.92	165	28613	8.986	ng	# 25
57) 2,4-Dinitrotoluene	9.92	165	28613	7.062	ng	# 20

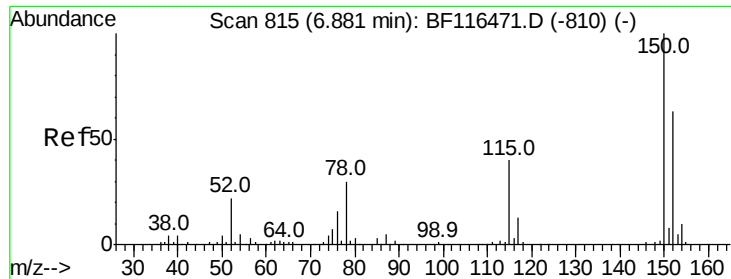
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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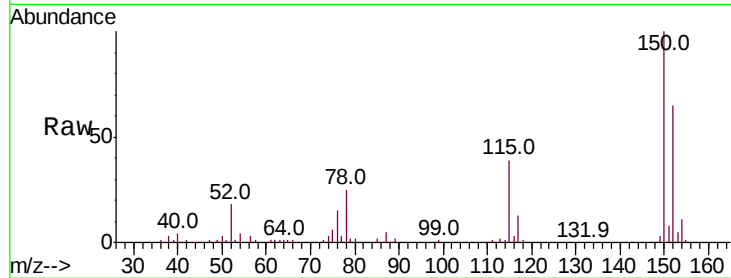


#1

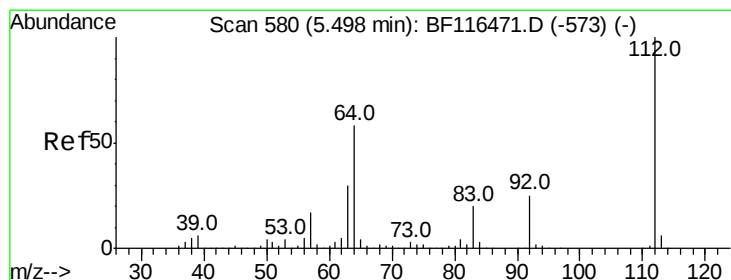
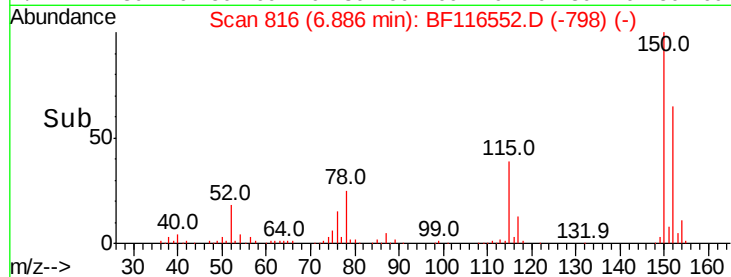
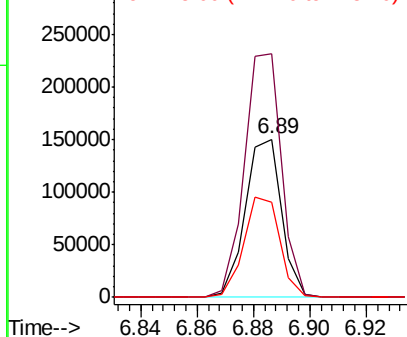
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116552.D
Acq: 26 Aug 2019 3:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 133794
Ion Ratio Lower Upper
152 100
150 153.8 126.7 190.1
115 59.8 50.9 76.3



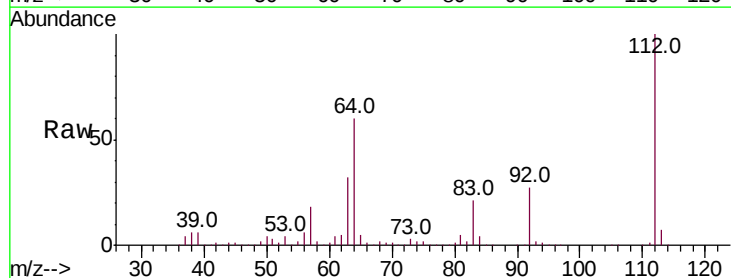
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



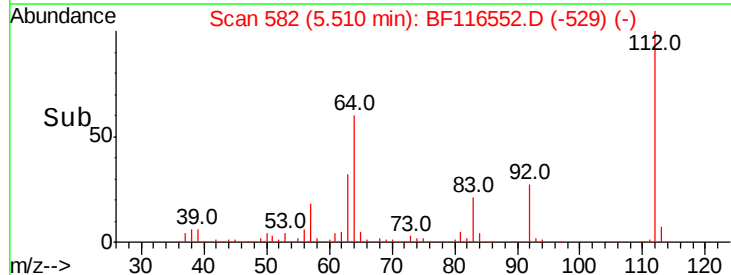
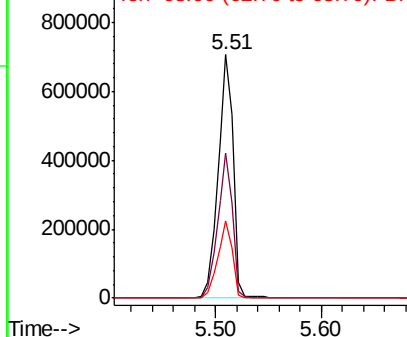
#5

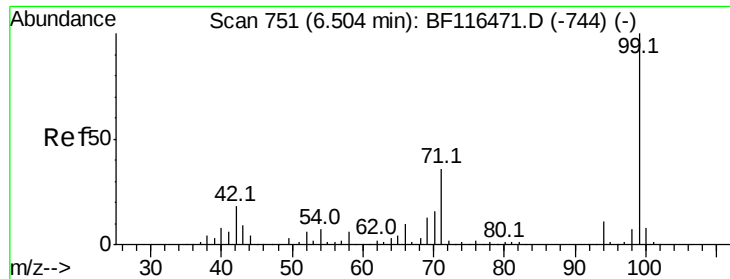
2-Fluorophenol
Concen: 78.329 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116552.D
Acq: 26 Aug 2019 3:14

Tgt Ion:112 Resp: 717239
Ion Ratio Lower Upper
112 100
64 59.7 46.3 69.5
63 31.8 24.2 36.4



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: 84.040 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

Instrument :

BNA_F

ClientSampled :

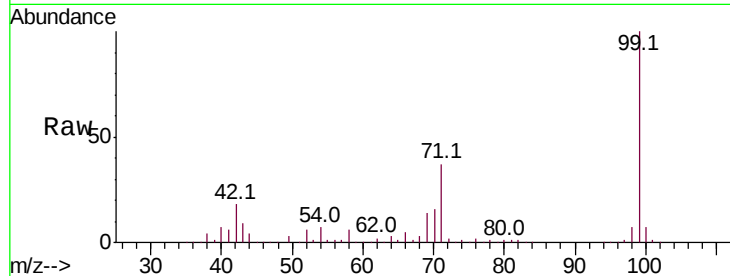
Tot Ion: 99 Resp: 943567

Ion Ratio Lower Upper

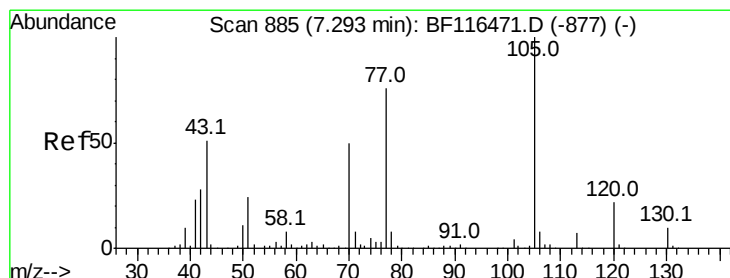
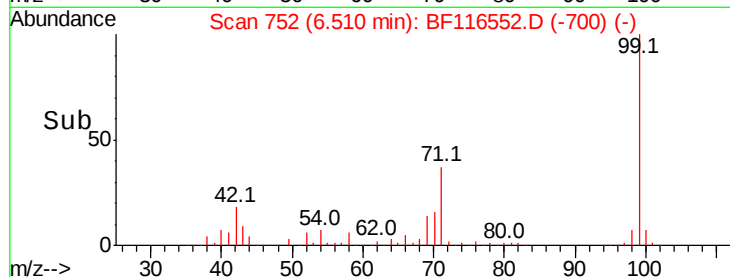
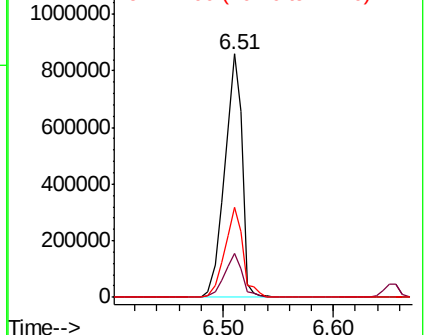
99 100

42 18.0 14.6 21.8

71 36.8 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.708 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

Tgt Ion: 70 Resp: 74377

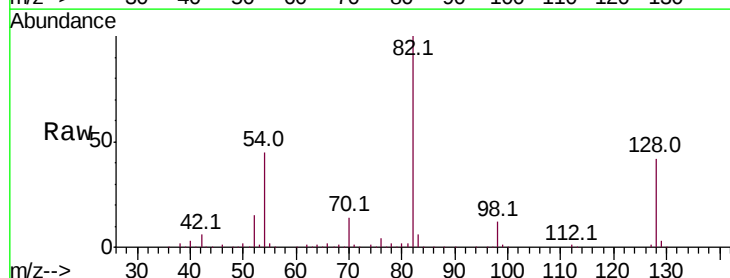
Ion Ratio Lower Upper

70 100

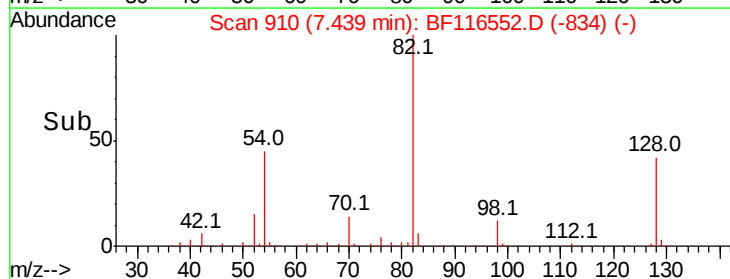
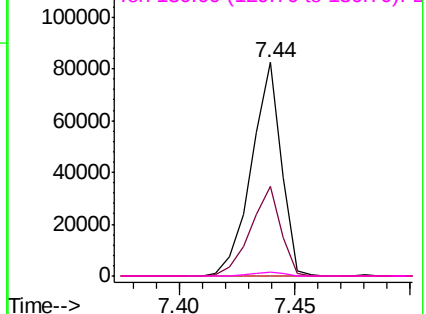
42 41.8 44.4 66.6#

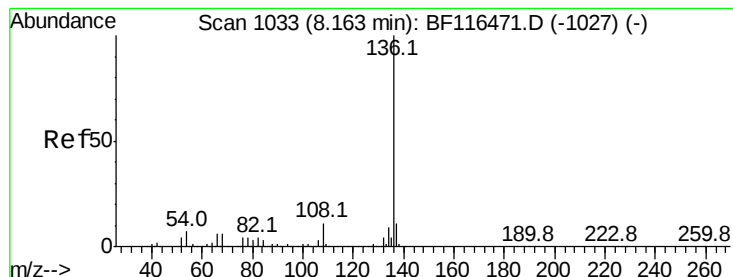
101 0.0 7.1 10.7#

130 1.9 15.8 23.8#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 499609

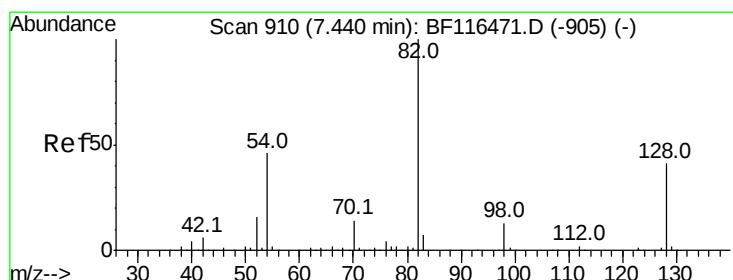
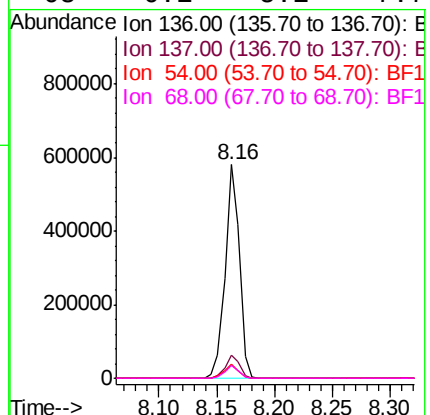
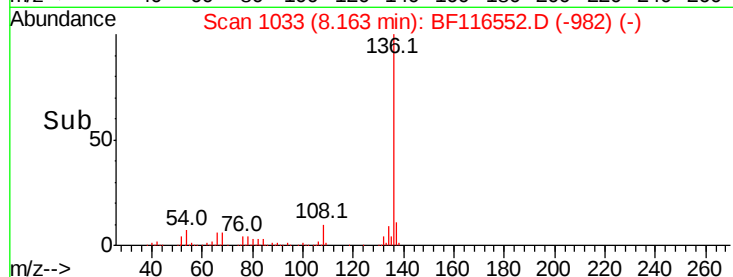
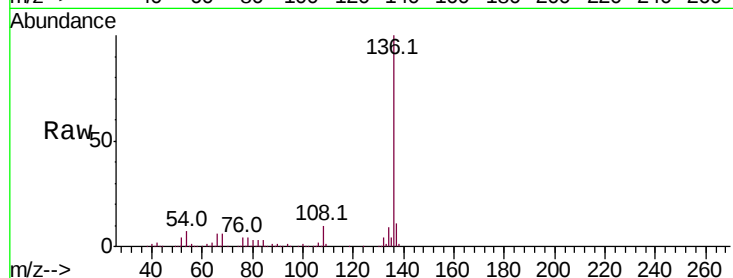
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.8 5.8 8.6

68 6.1 5.1 7.7



#23

Nitrobenzene-d5

Concen: 60.520 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

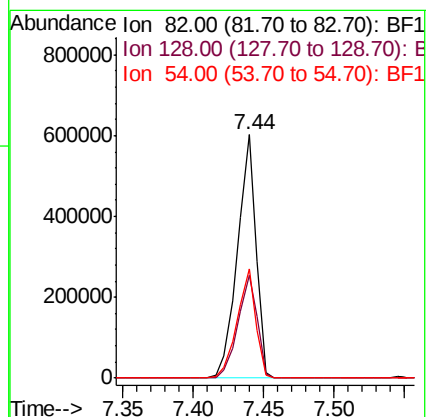
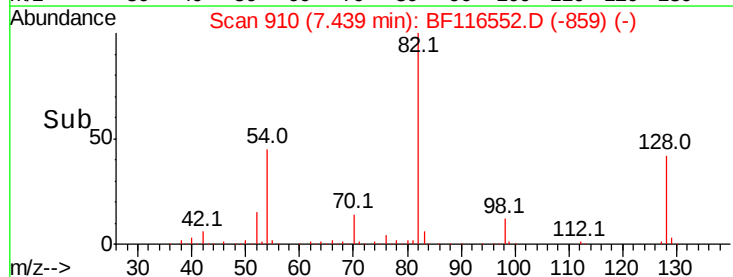
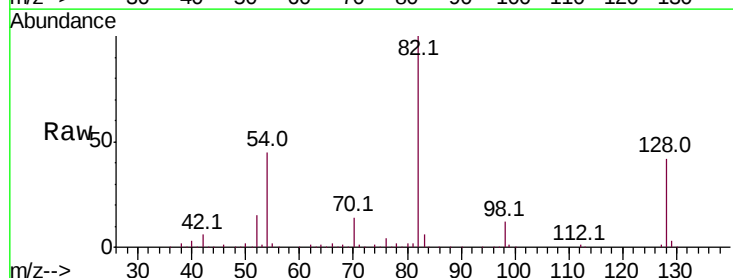
Tgt Ion: 82 Resp: 552668

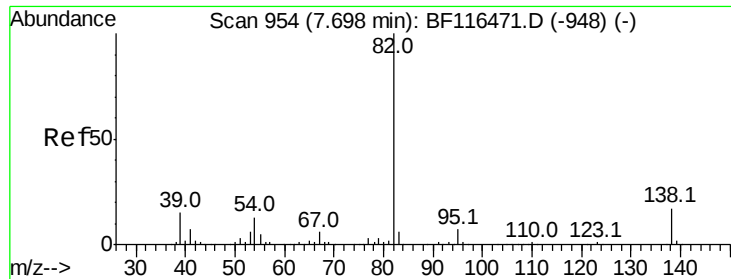
Ion Ratio Lower Upper

82 100

128 42.5 32.2 48.4

54 44.7 36.5 54.7





#25

Isophorone

Concen: 30.701 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

Instrument :

BNA_F

ClientSampleId :

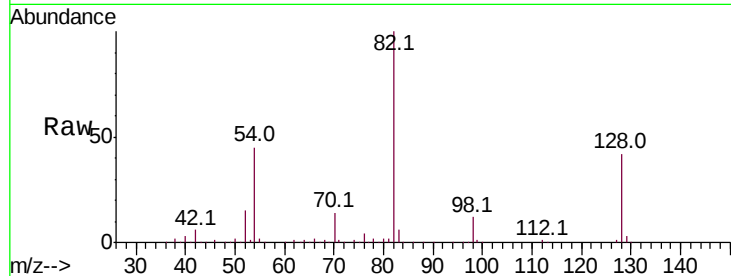
Tot Ion: 82 Resp: 552498

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

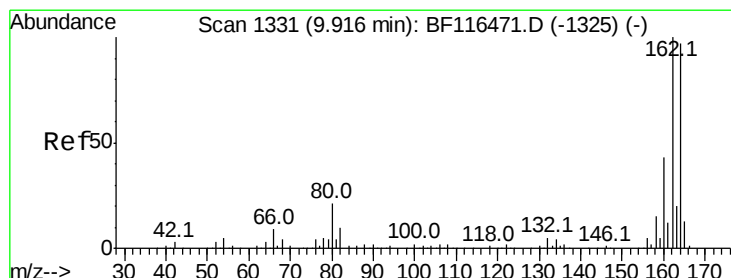
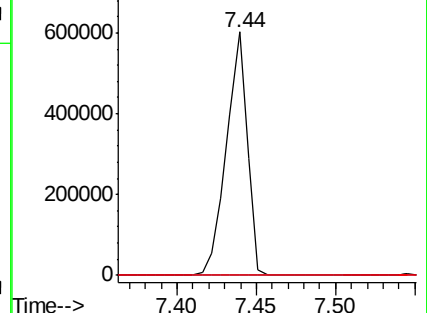
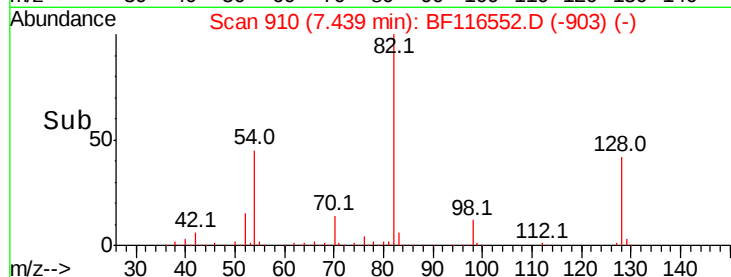
138 0.0 13.3 19.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

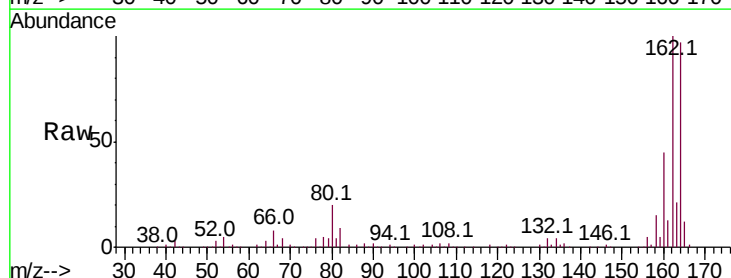
Tgt Ion:164 Resp: 222974

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

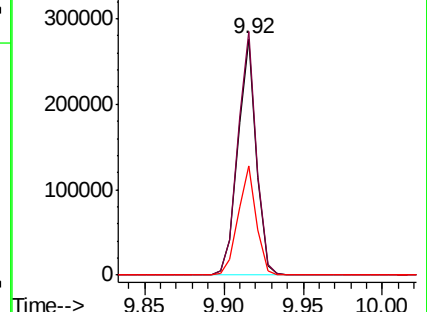
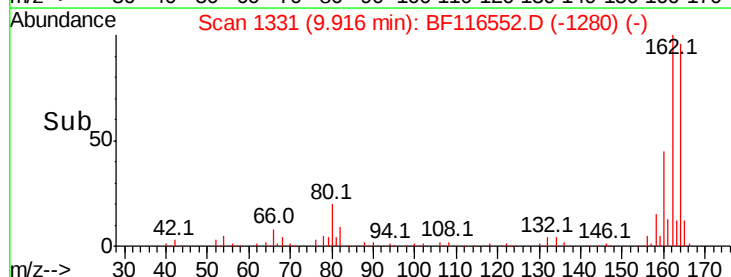
160 46.1 35.8 53.8

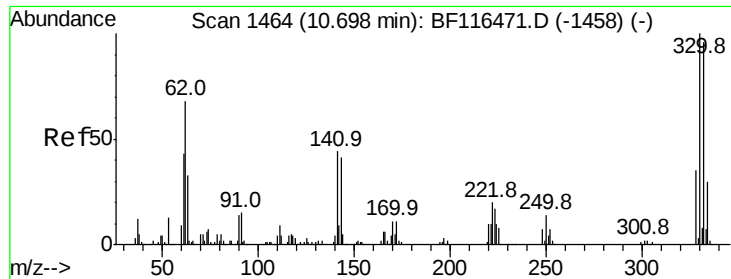


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

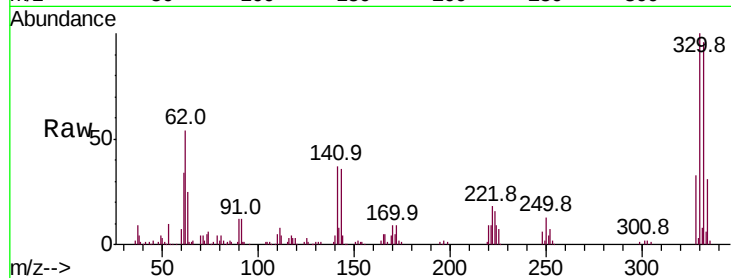




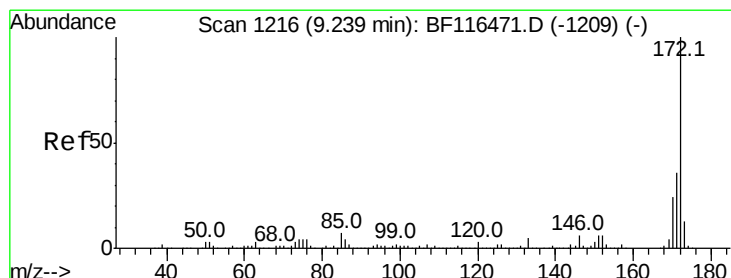
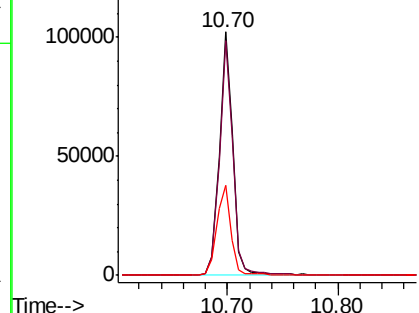
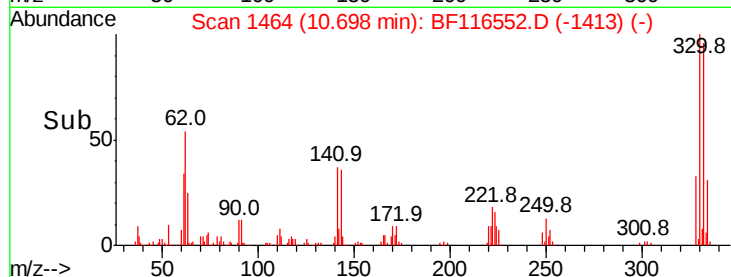
#42
 2,4,6-Tribromophenol
 Concen: 44.994 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116552.D
 Acq: 26 Aug 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.2	115.8
141	38.2	33.3	49.9

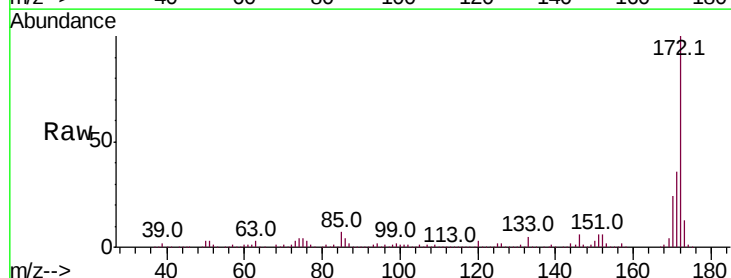


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

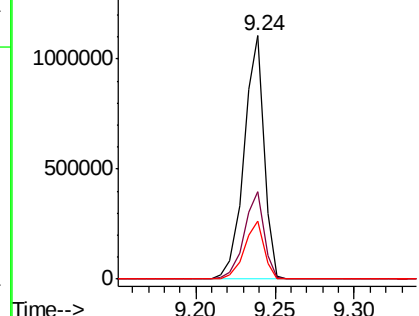
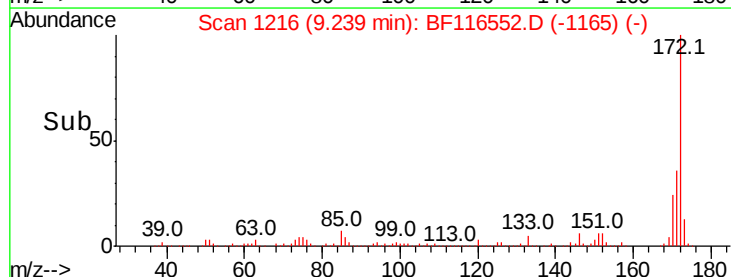


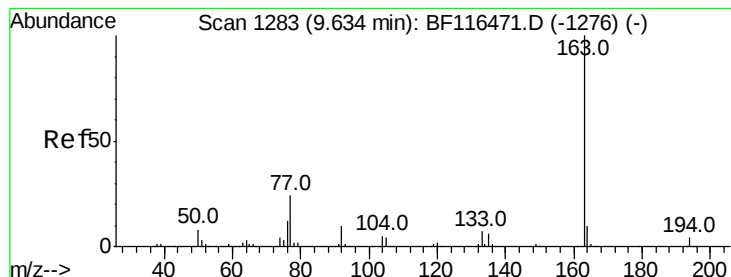
#45
 2-Fluorobiphenyl
 Concen: 69.734 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116552.D
 Acq: 26 Aug 2019 3:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	23.9	19.4	29.0



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





#50

Dimethylphthalate

Concen: 5.791 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

Instrument :

BNA_F

ClientSampleId :

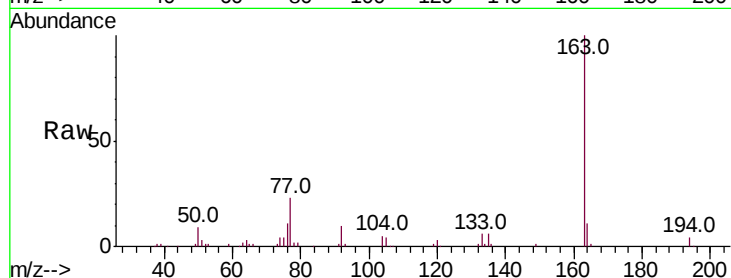
Tot Ion:163 Resp: 90086

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

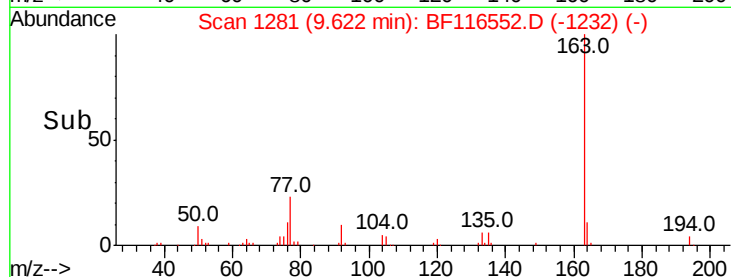
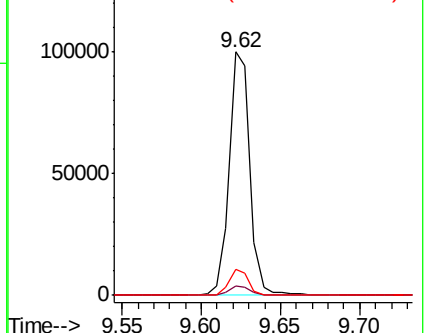
164 10.7 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 8.986 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

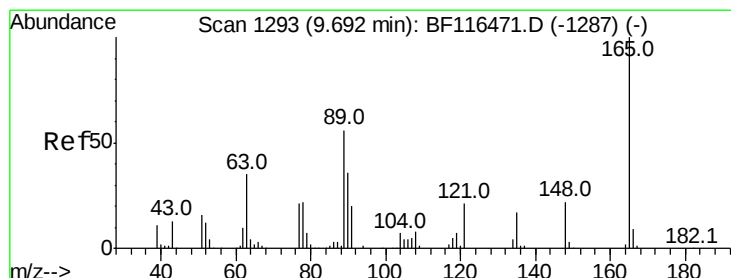
Tgt Ion:165 Resp: 28613

Ion Ratio Lower Upper

165 100

63 1.0 43.7 65.5#

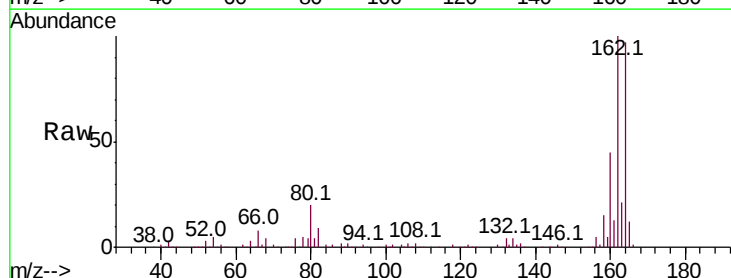
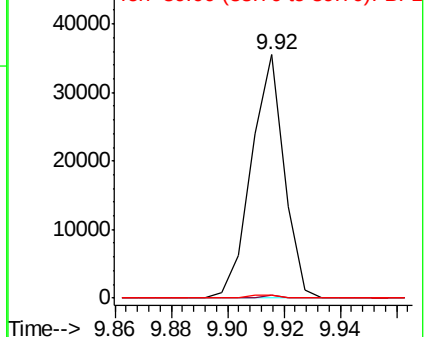
89 1.4 45.1 67.7#

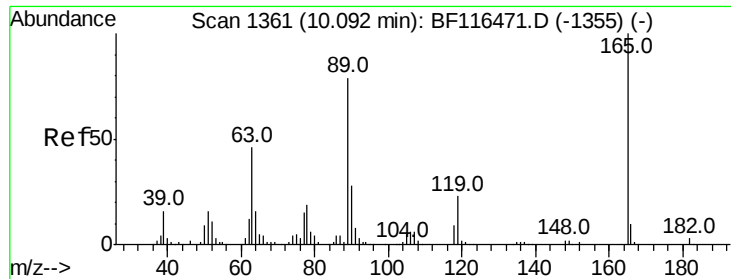


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

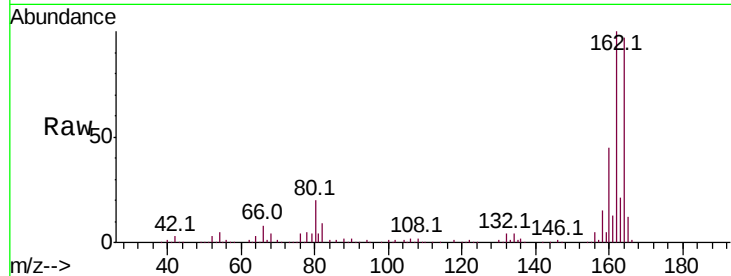




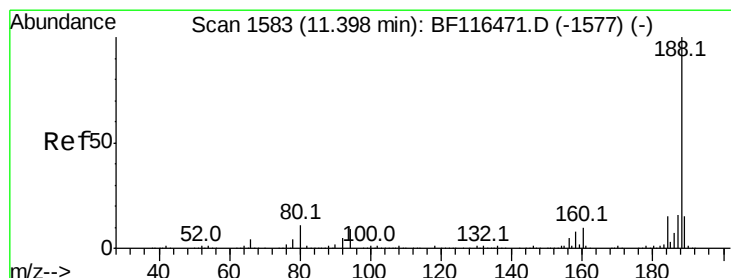
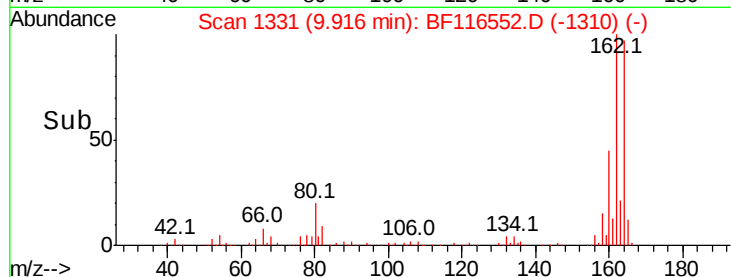
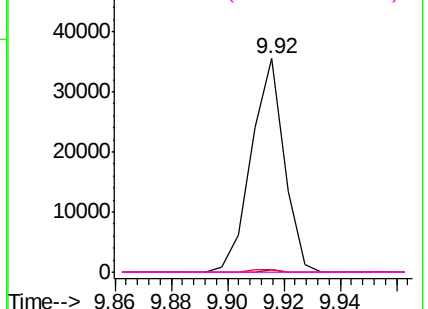
#57
 2,4-Dinitrotoluene
 Concen: 7.062 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116552.D
 Acq: 26 Aug 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.9	55.3#
89	1.4	63.4	95.0#
182	0.0	2.1	3.1#



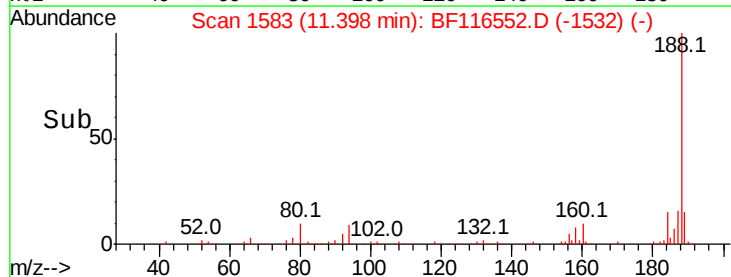
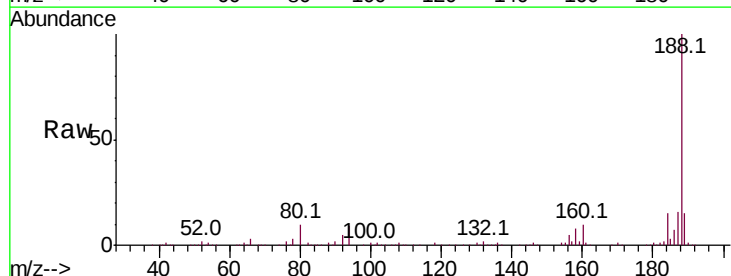
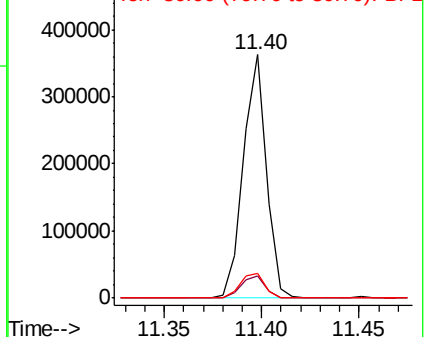
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

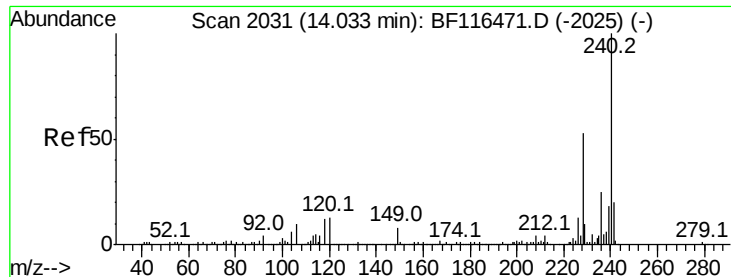


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116552.D
 Acq: 26 Aug 2019 3:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.4	11.2
80	10.2	8.6	12.8

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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

Instrument :

BNA_F

ClientSampleId :

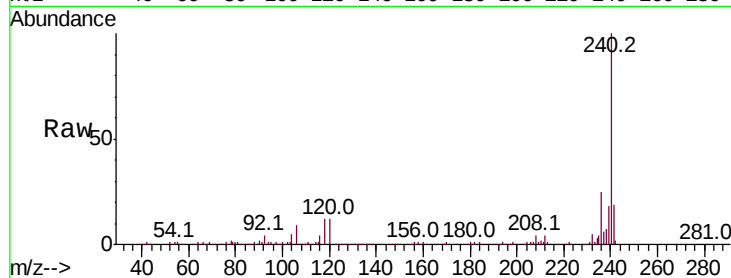
Tot Ion:240 Resp: 209653

Ion Ratio Lower Upper

240 100

120 12.2 10.5 15.7

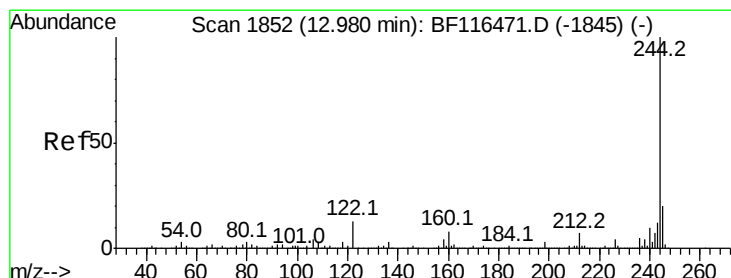
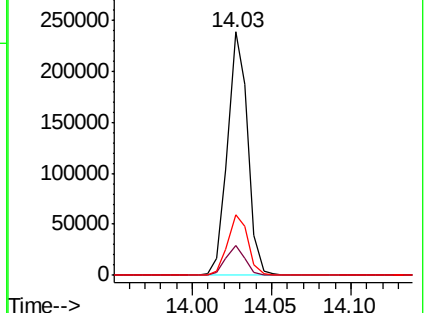
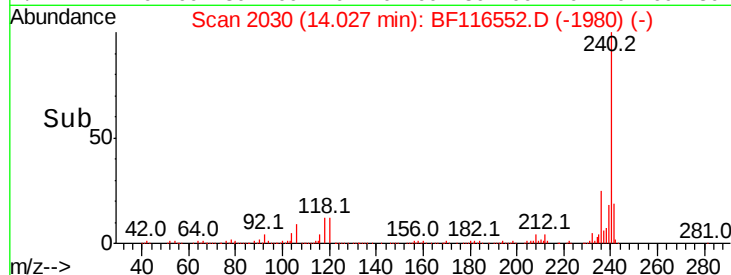
236 24.8 20.2 30.2



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



#79

Terphenyl-d14

Concen: 56.698 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116552.D

Acq: 26 Aug 2019 3:14

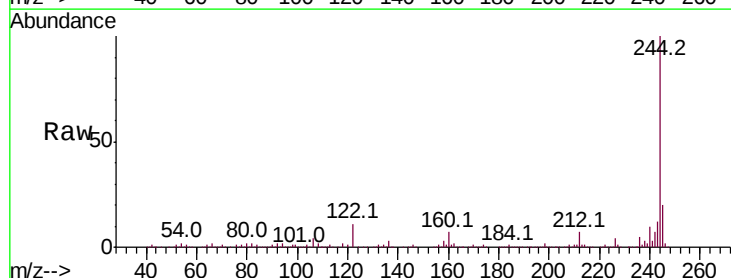
Tgt Ion:244 Resp: 636378

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

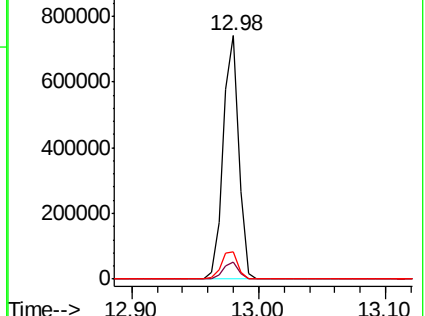
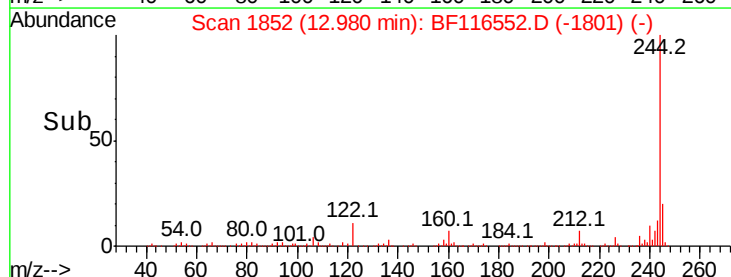
122 11.1 10.2 15.4

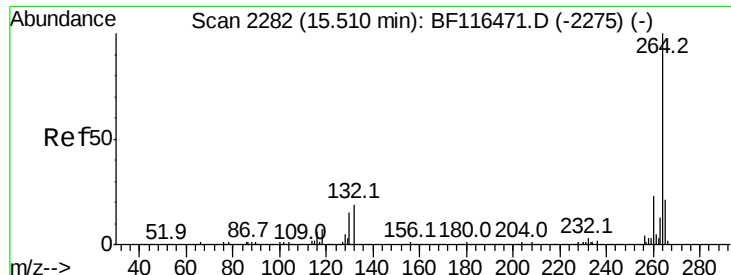


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

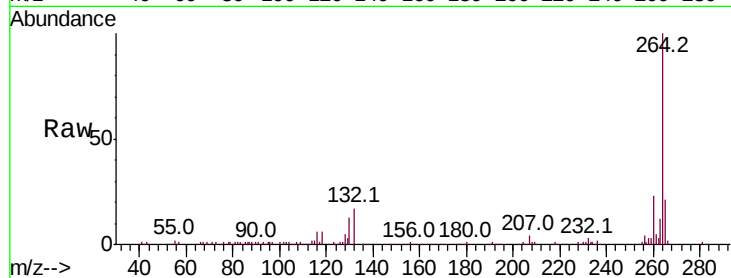




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF116552.D
 Acq: 26 Aug 2019 3:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.8	28.2
265	20.9	17.1	25.7



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

