

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116589.D
 Acq On : 27 Aug 2019 18:17
 Operator : HP/JU
 Sample : K4088-14
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 07:20:31 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

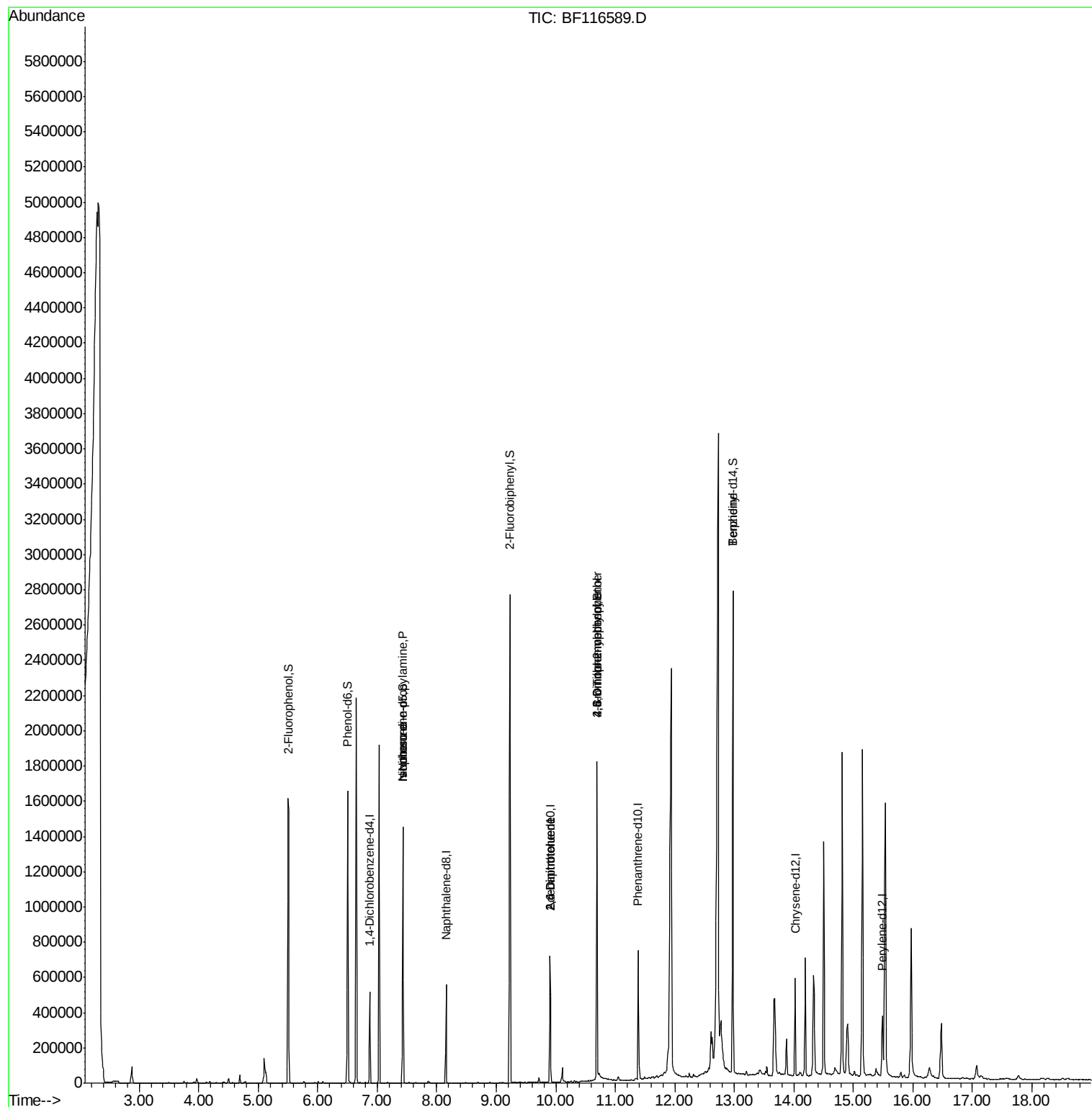
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	65447	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	250388	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	134917	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	233918	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	161010	20.00	ng	-0.01
87) Perylene-d12	15.49	264	144098	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	489905	109.37	ng	0.01
7) Phenol-d6	6.50	99	592257	107.84	ng	0.00
23) Nitrobenzene-d5	7.43	82	470782	102.87	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	197625	170.59	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	848320	101.26	ng	-0.01
79) Terphenyl-d14	12.98	244	985303	114.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	65729	17.539	ng	# 78
25) Isophorone	7.43	82	470769	52.197	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	17561	9.114	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	17561	7.163	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.69	198	457	7.412	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	13779	5.619	ng	# 1
77) Benzidine	12.98	184	15213	2.348	ng	# 96

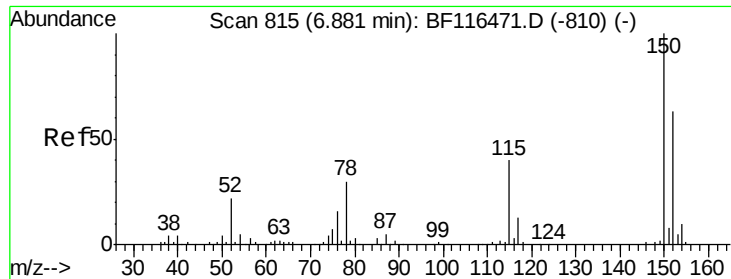
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
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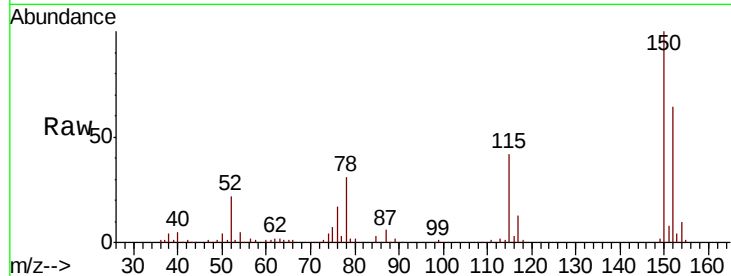


#1

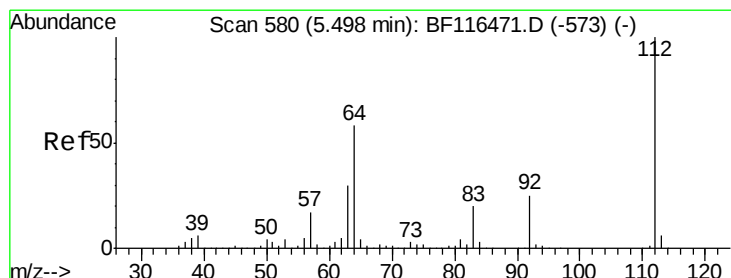
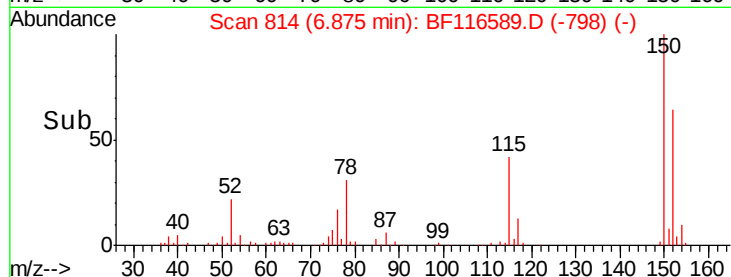
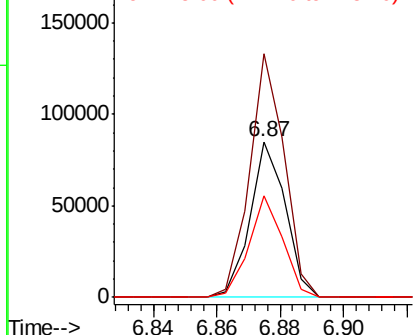
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116589.D
Acq: 27 Aug 2019 18:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 65447
Ion Ratio Lower Upper
152 100
150 156.4 126.7 190.1
115 65.0 50.9 76.3



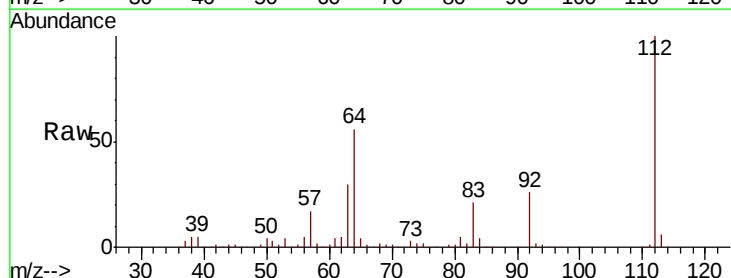
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



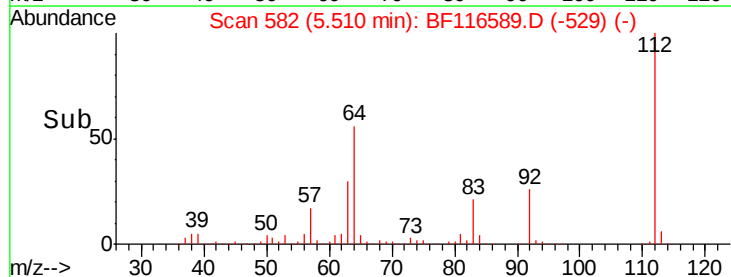
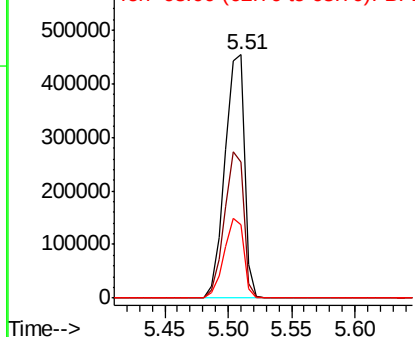
#5

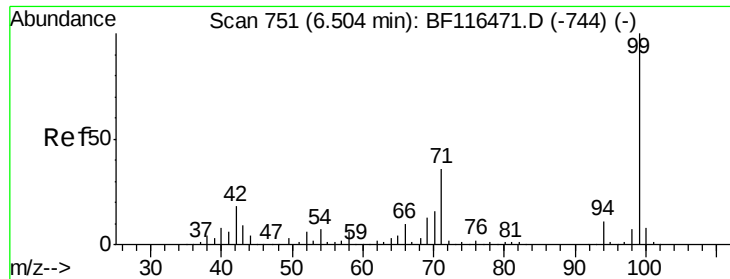
2-Fluorophenol
Concen: 109.374 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116589.D
Acq: 27 Aug 2019 18:17

Tgt Ion:112 Resp: 489905
Ion Ratio Lower Upper
112 100
64 55.9 46.3 69.5
63 30.3 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: 107.838 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

Instrument :

BNA_F

ClientSampleId :

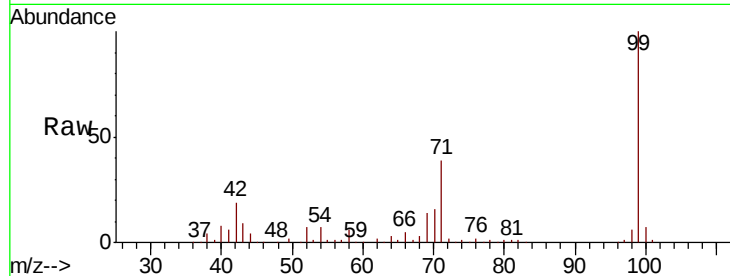
Tot Ion: 99 Resp: 592257

Ion Ratio Lower Upper

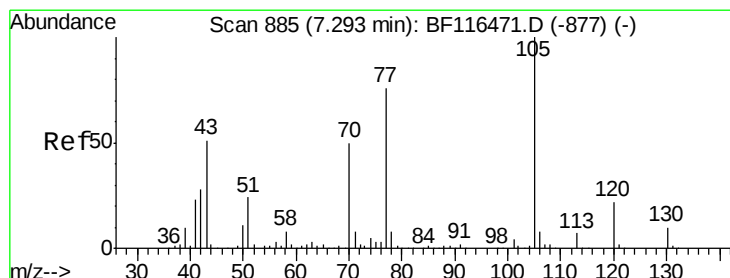
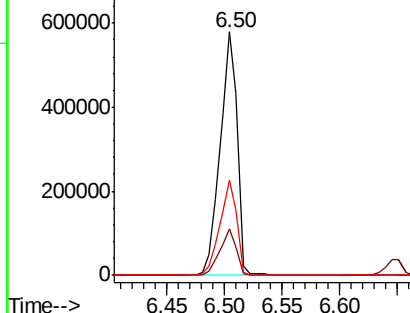
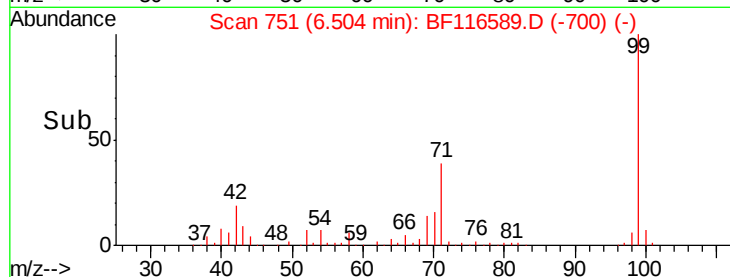
99 100

42 19.0 14.6 21.8

71 39.2 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: 17.539 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

Tgt Ion: 70 Resp: 65729

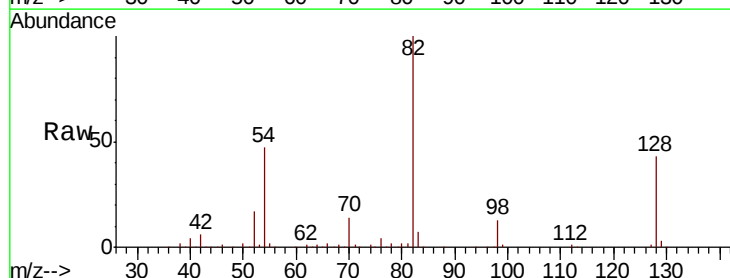
Ion Ratio Lower Upper

70 100

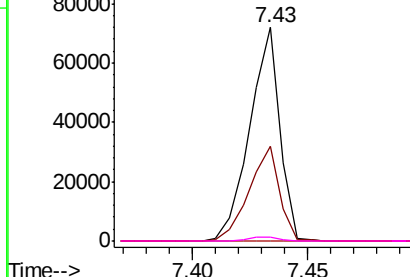
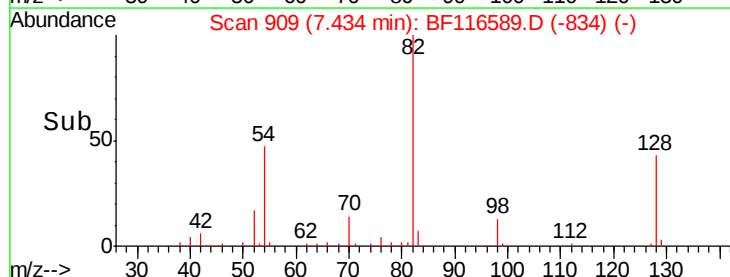
42 44.5 44.4 66.6

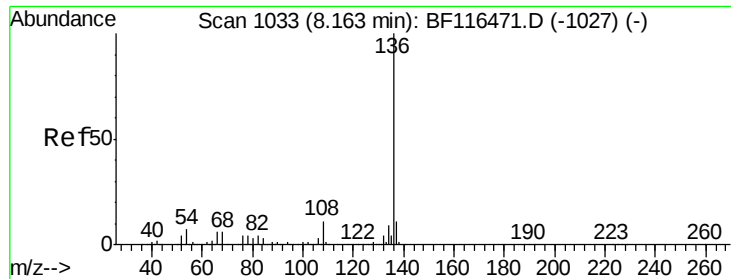
101 0.0 7.1 10.7#

130 1.8 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

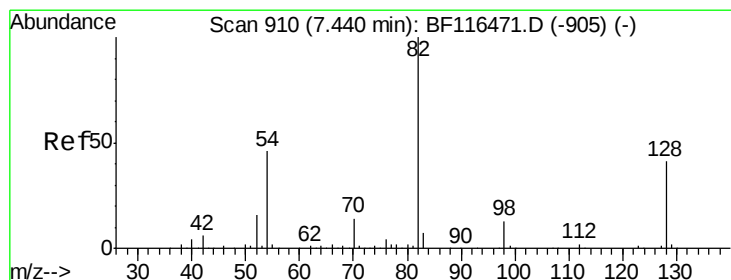
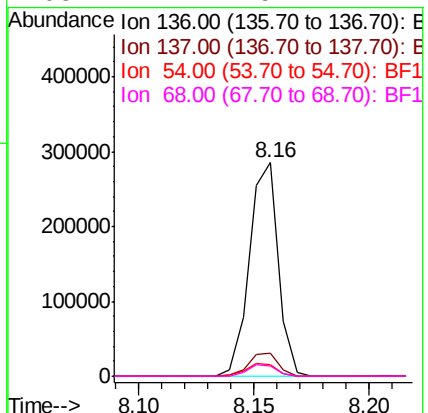
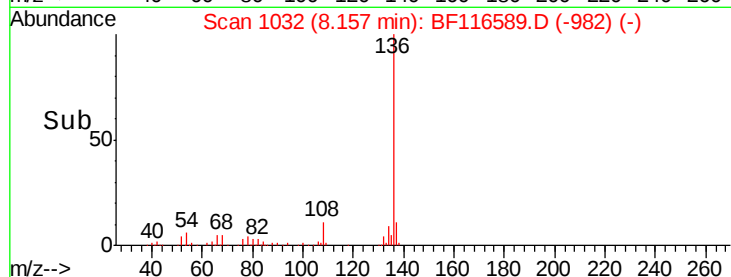
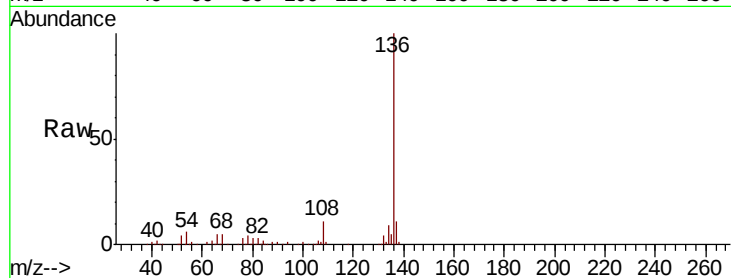




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF116589.D
Acq: 27 Aug 2019 18:17

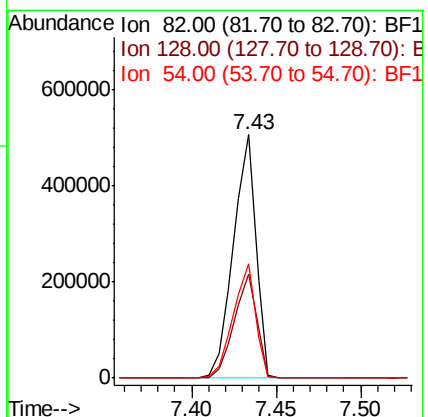
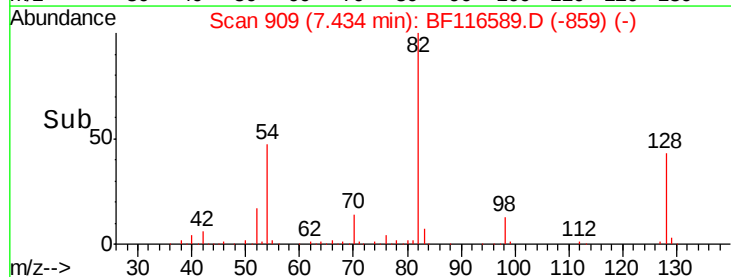
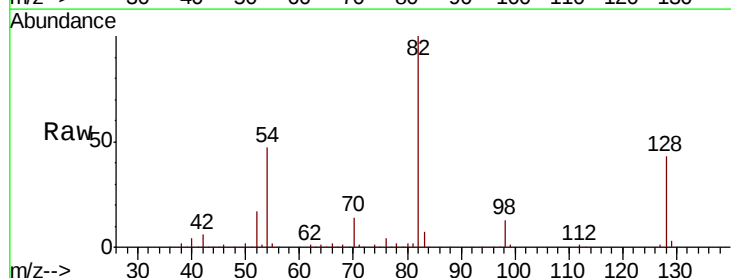
Instrument :
BNA_F
ClientSampleId :

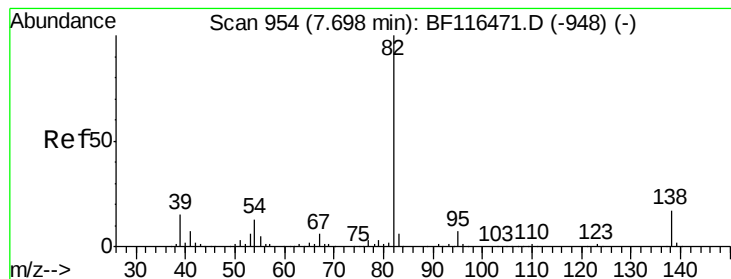
Tot Ion:136	Resp:	250388
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.4
54	5.5	5.8 8.6#
68	4.7	5.1 7.7#



#23
Nitrobenzene-d5
Concen: 102.866 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF116589.D
Acq: 27 Aug 2019 18:17

Tgt Ion: 82	Resp:	470782
Ion Ratio	Lower	Upper
82	100	
128	43.0	32.2 48.4
54	46.9	36.5 54.7





#25

Isophorone

Concen: 52.197 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

Instrument :

BNA_F

ClientSampleId :

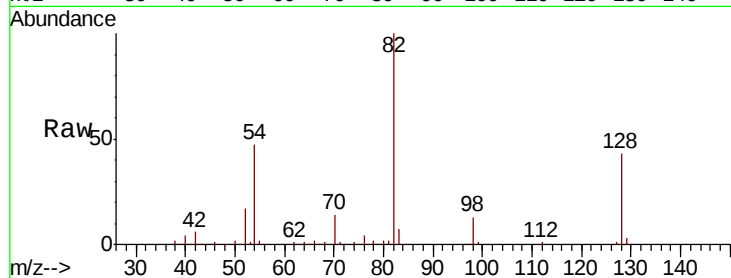
Tot Ion: 82 Resp: 470769

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.3 19.9#

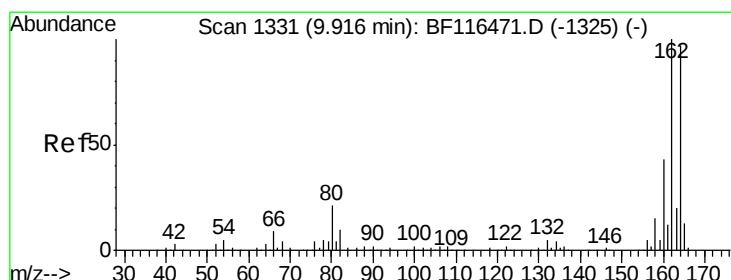
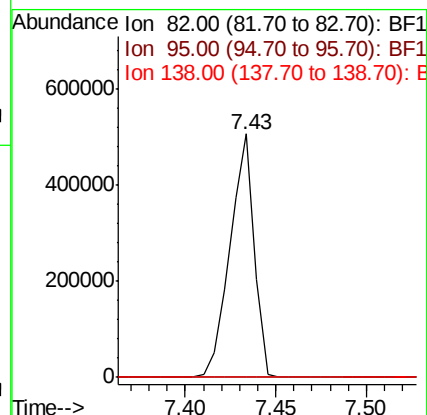
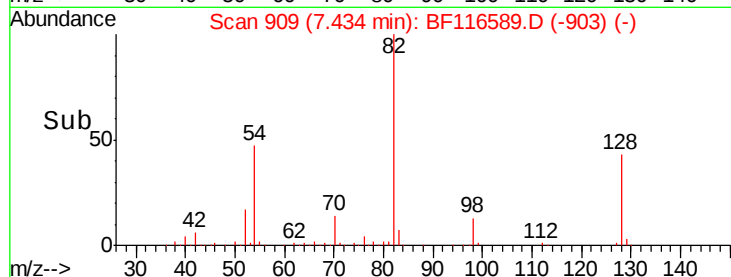


Abundance Ion 82.00 (81.70 to 82.70): BF116471.D (-948) (-)

Ion 95.00 (94.70 to 95.70): BF116471.D (-948) (-)

Ion 138.00 (137.70 to 138.70): BF116471.D (-948) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

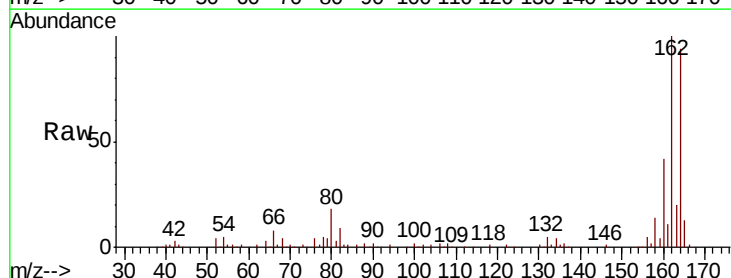
Tgt Ion: 164 Resp: 134917

Ion Ratio Lower Upper

164 100

162 106.1 82.6 123.8

160 44.7 35.8 53.8

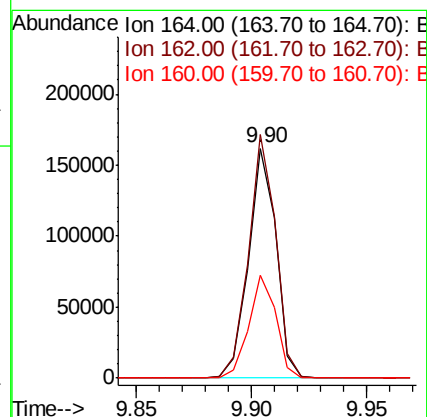
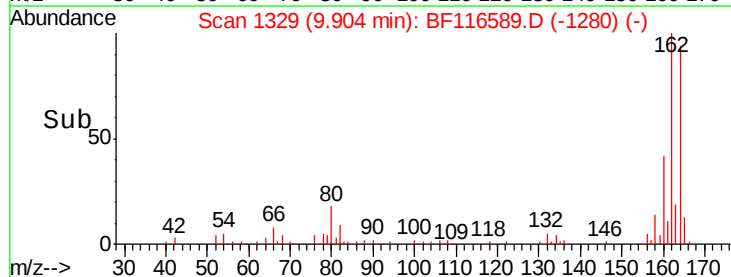


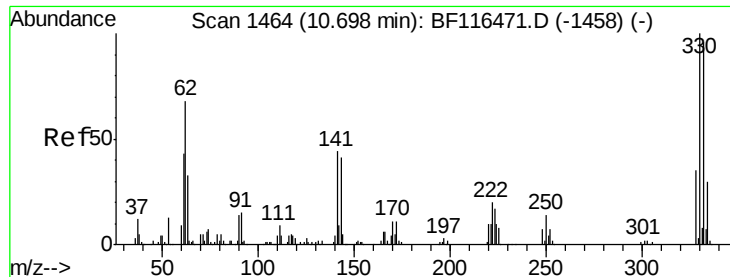
Abundance Ion 164.00 (163.70 to 164.70): BF116471.D (-1325) (-)

Ion 162.00 (161.70 to 162.70): BF116471.D (-1325) (-)

Ion 160.00 (159.70 to 160.70): BF116471.D (-1325) (-)

Time-->

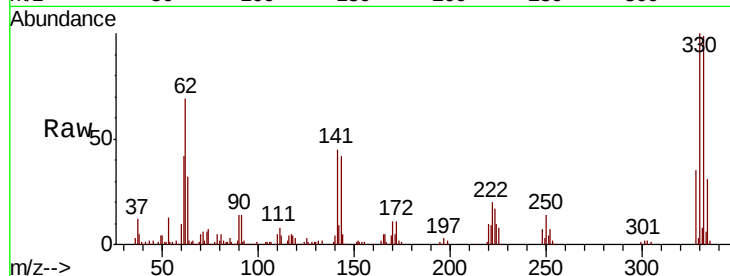




#42
 2,4,6-Tribromophenol
 Concen: 170.588 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF116589.D
 Acq: 27 Aug 2019 18:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.2	115.8
141	41.5	33.3	49.9

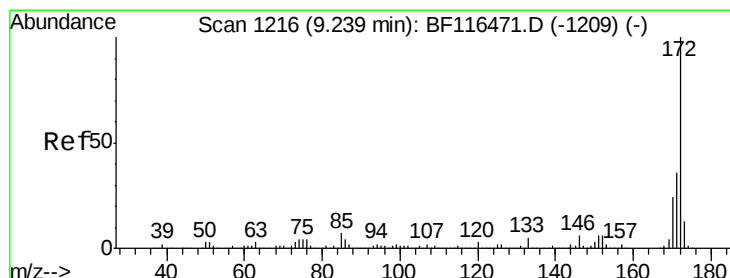
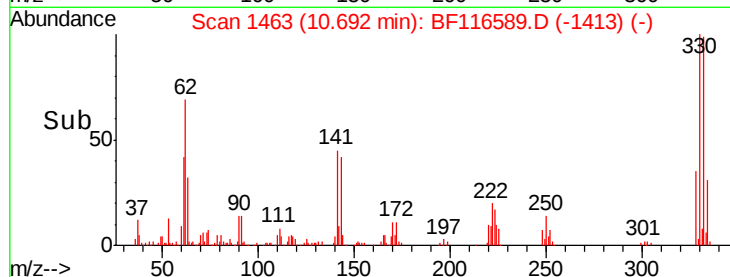
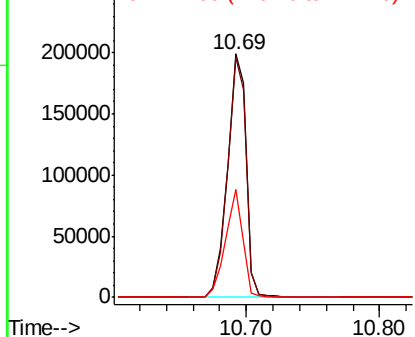


Abundance

Ion 329.80 (329.50 to 330.50): E

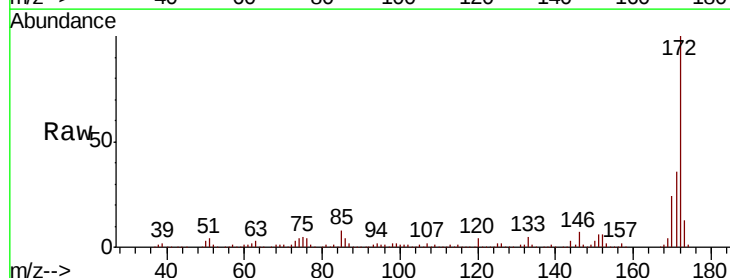
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 101.258 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF116589.D
 Acq: 27 Aug 2019 18:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.9	43.3
170	23.6	19.4	29.0

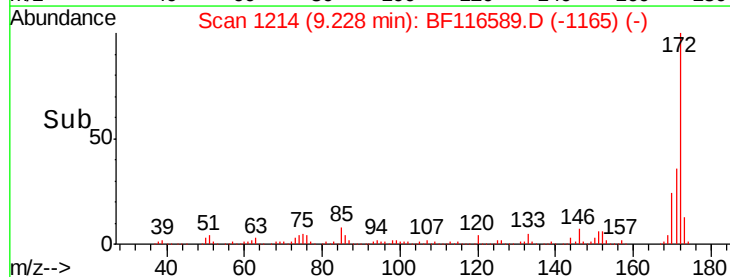
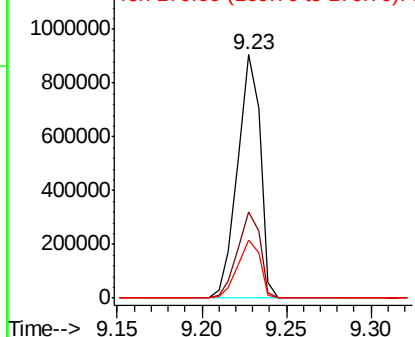


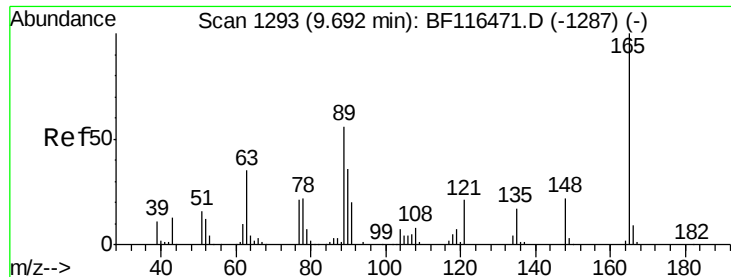
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 9.114 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.21 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

Instrument :

BNA_F

ClientSampleId :

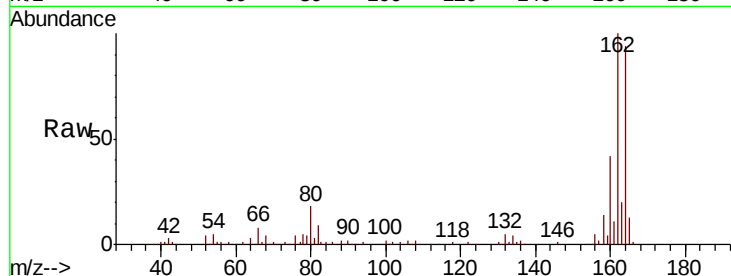
Tot Ion:165 Resp: 17561

Ion Ratio Lower Upper

165 100

63 0.0 43.7 65.5#

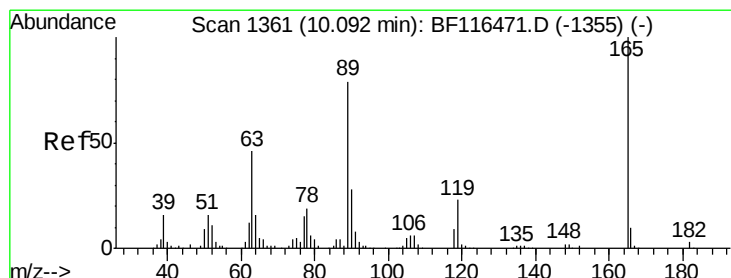
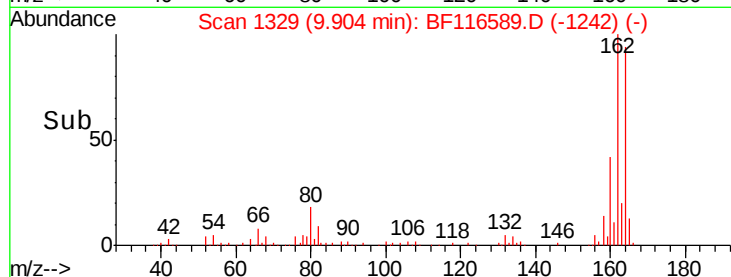
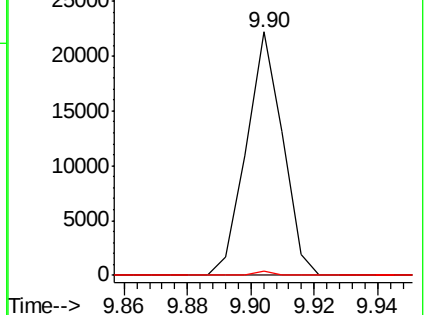
89 1.7 45.1 67.7#



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: 7.163 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

Tgt Ion:165 Resp: 17561

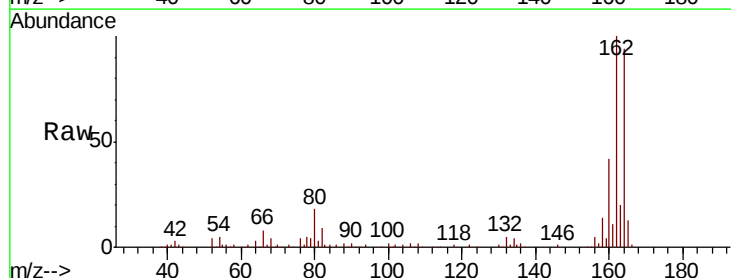
Ion Ratio Lower Upper

165 100

63 0.0 36.9 55.3#

89 1.7 63.4 95.0#

182 0.0 2.1 3.1#

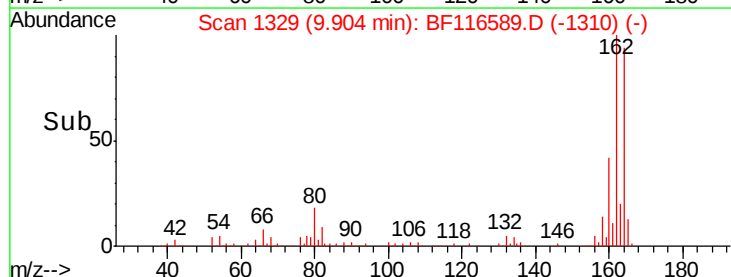
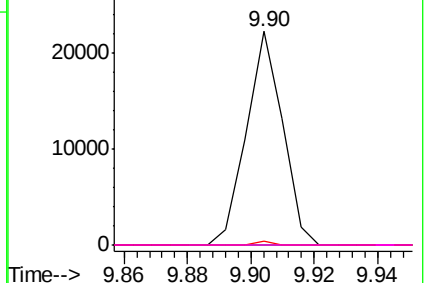


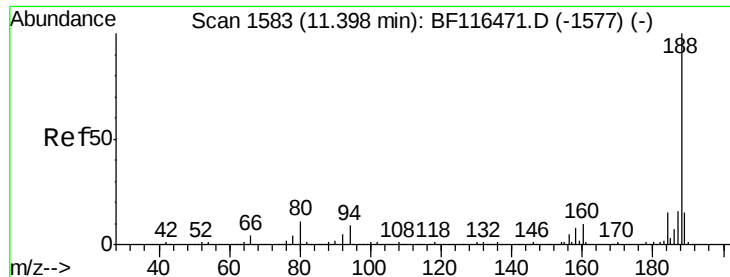
Abundance Ion 165.00 (164.70 to 165.70): E

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

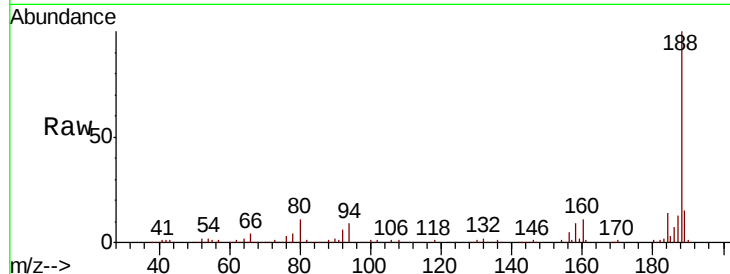




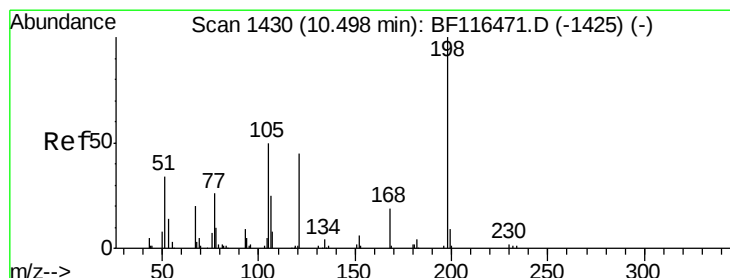
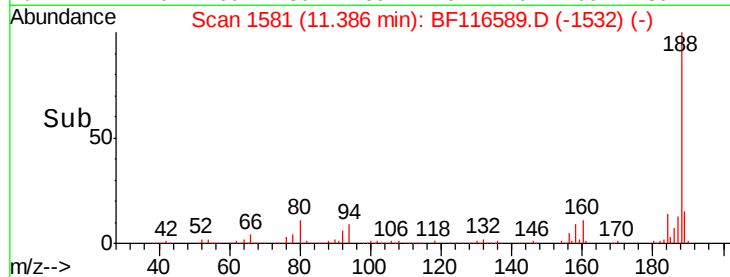
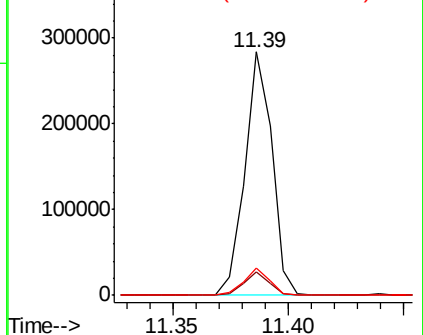
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116589.D
 Acq: 27 Aug 2019 18:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 233918
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.4 11.2
 80 11.0 8.6 12.8

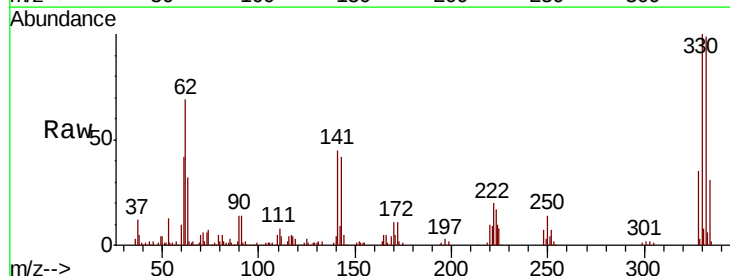


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

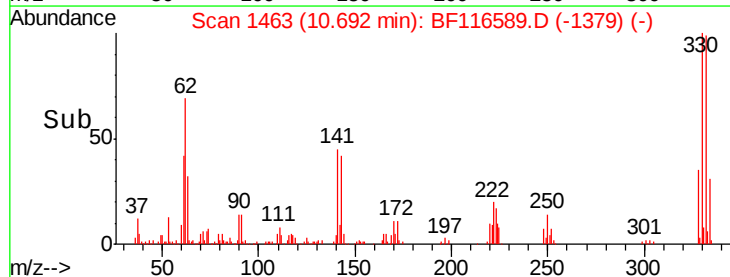
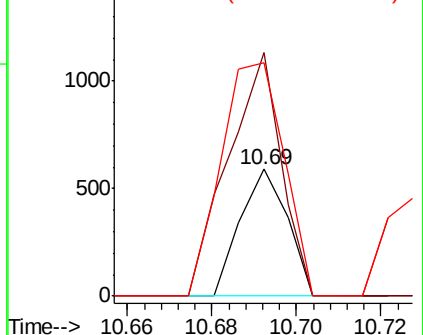


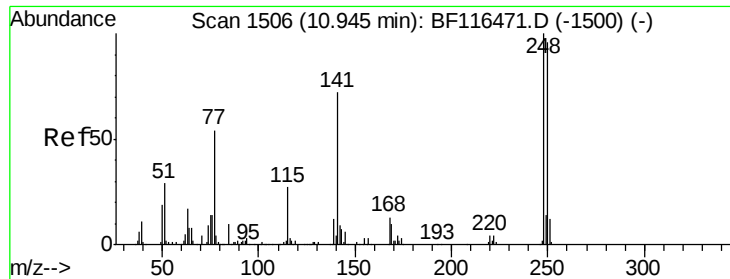
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.412 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.19 min
 Lab File: BF116589.D
 Acq: 27 Aug 2019 18:17

Tgt Ion:198 Resp: 457
 Ion Ratio Lower Upper
 198 100
 51 192.4 30.4 70.4#
 105 184.0 32.8 72.8#



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

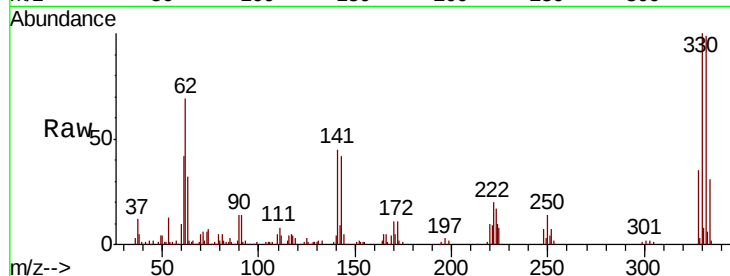




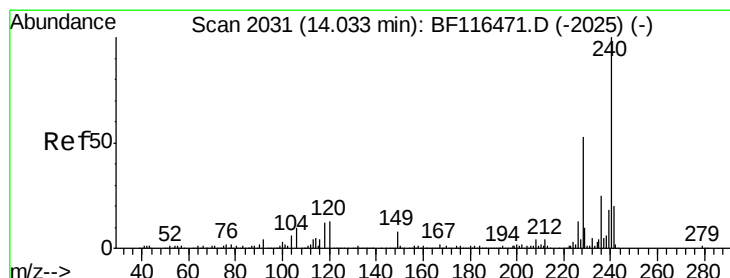
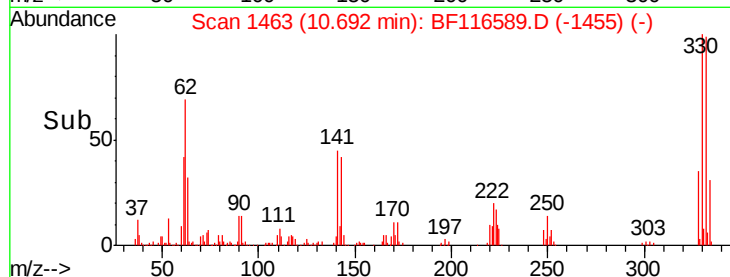
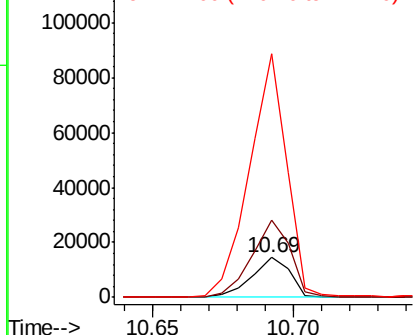
#67
 4-Bromophenyl-phenylether
 Concen: 5.619 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116589.D
 Acq: 27 Aug 2019 18:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 13779
 Ion Ratio Lower Upper
 248 100
 250 195.1 77.0 115.6#
 141 610.7 57.4 86.0#

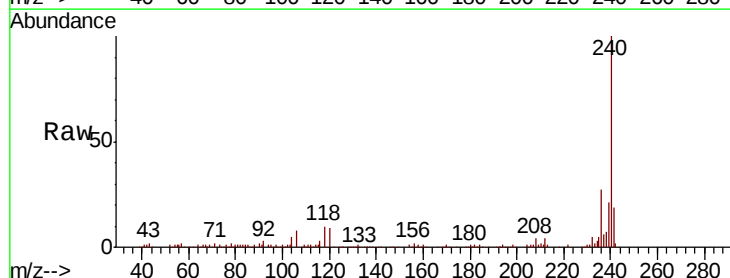


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

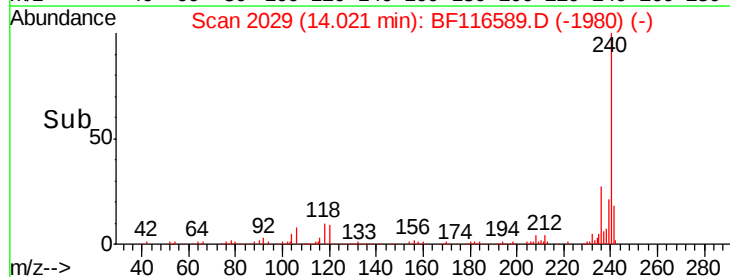
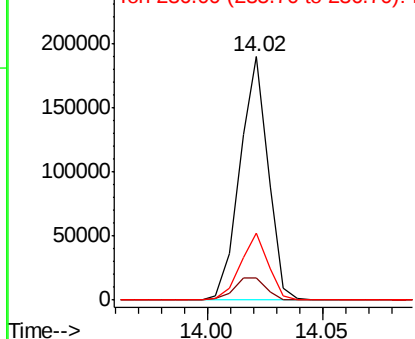


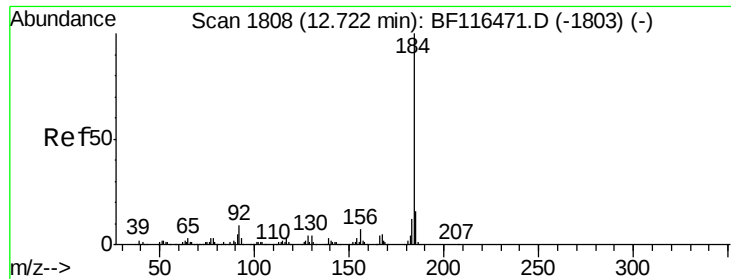
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF116589.D
 Acq: 27 Aug 2019 18:17

Tgt Ion:240 Resp: 161010
 Ion Ratio Lower Upper
 240 100
 120 9.4 10.5 15.7#
 236 27.3 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





#77

Benzidine

Concen: 2.348 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.26 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

Instrument :

BNA_F

ClientSampleId :

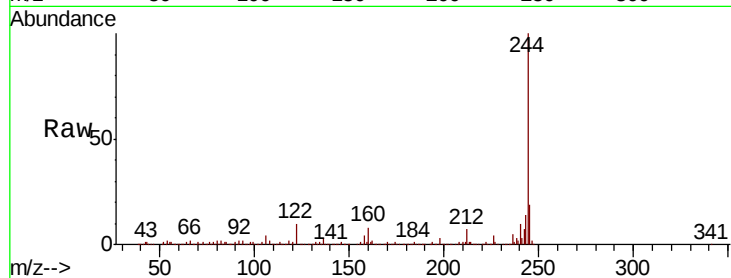
Tot Ion:184 Resp: 15213

Ion Ratio Lower Upper

184 100

185 16.8 13.0 19.4

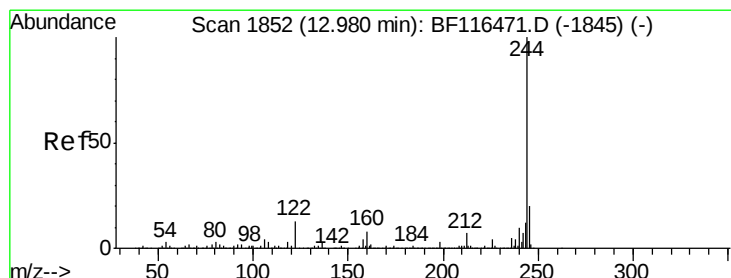
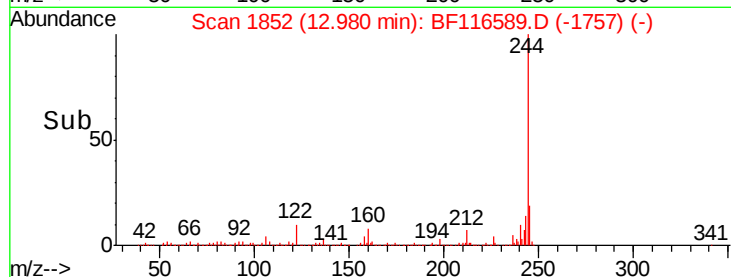
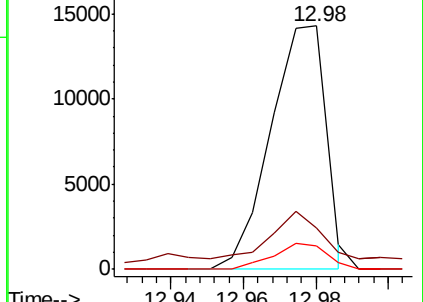
183 9.7 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 114.307 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

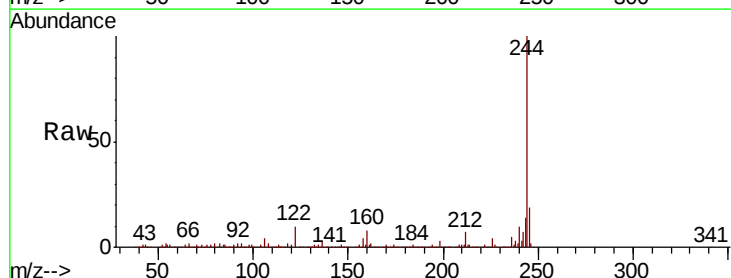
Tgt Ion:244 Resp: 985303

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

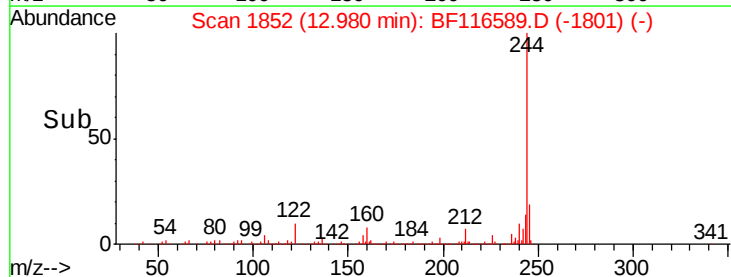
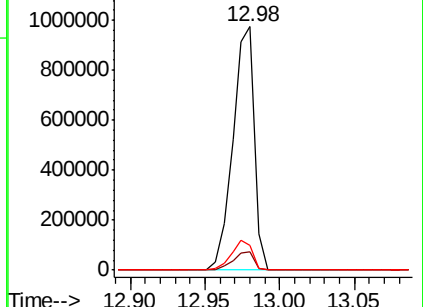
122 10.2 10.2 15.4#

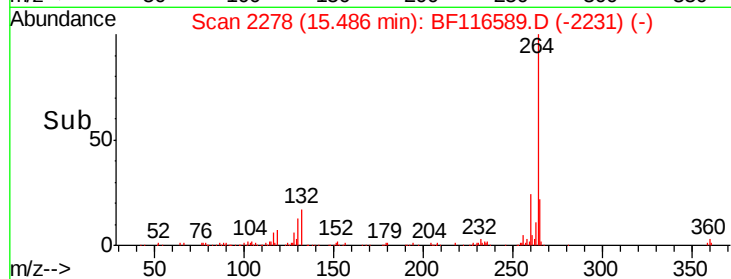
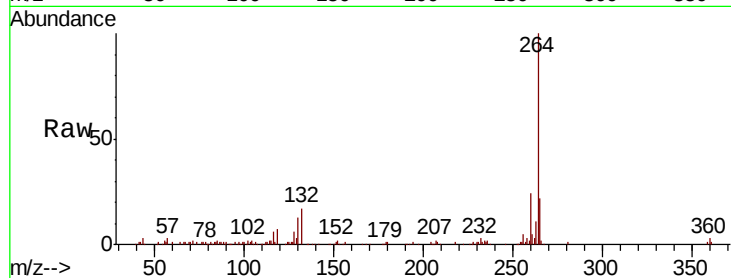
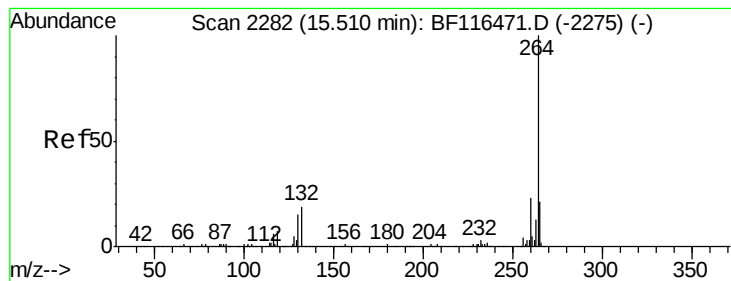


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BF116589.D

Acq: 27 Aug 2019 18:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 144098

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.8 17.1 25.7

