

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116520.D
 Acq On : 24 Aug 2019 13:40
 Operator : HP/JU
 Sample : K4490-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 02:08:48 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

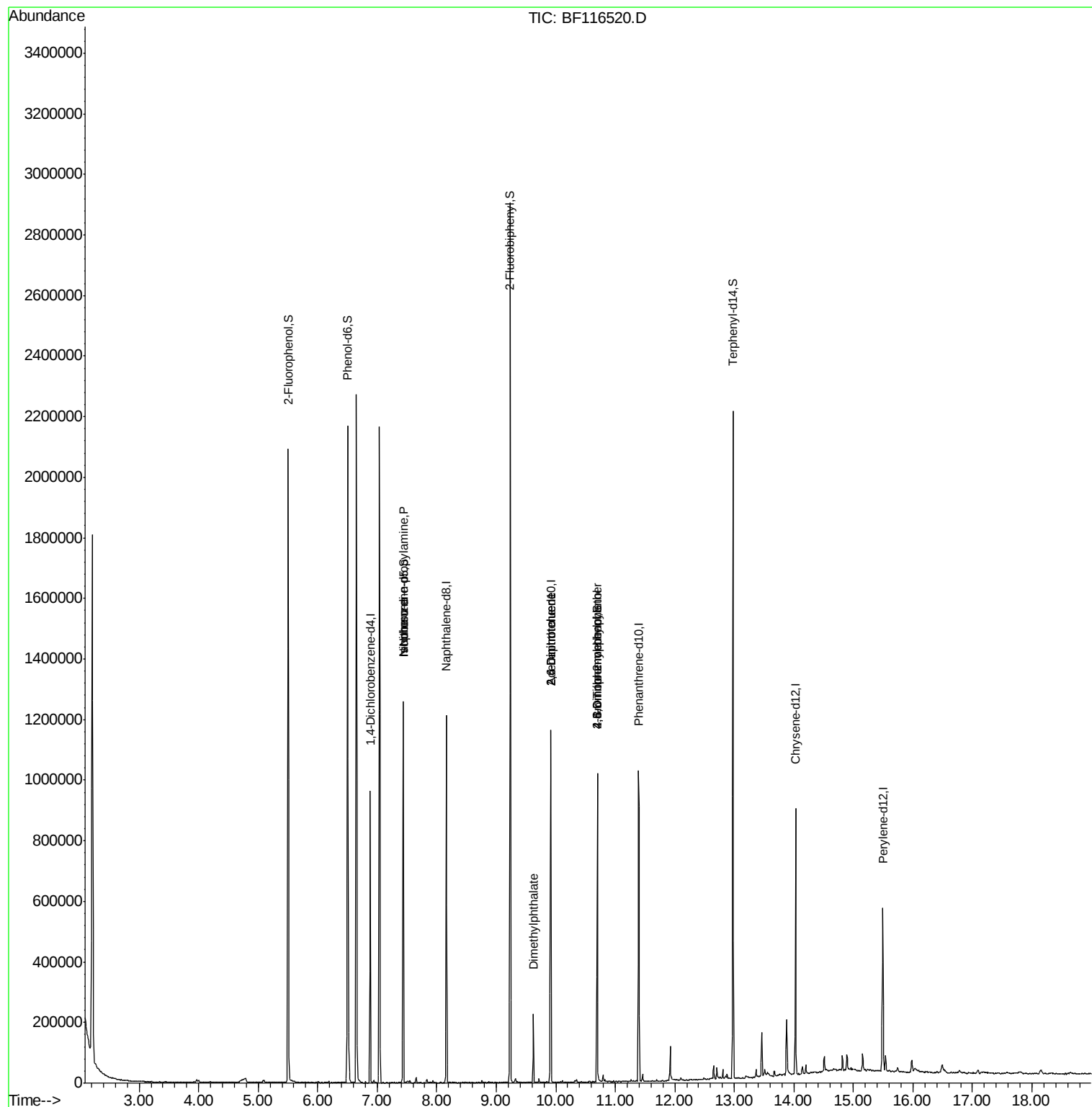
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	132915	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	489124	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	228253	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	360590	20.00	ng	0.00
76) Chrysene-d12	14.03	240	248098	20.00	ng	0.00
87) Perylene-d12	15.49	264	239377	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	547506	60.19	ng	0.00
7) Phenol-d6	6.50	99	727630	65.24	ng	0.00
23) Nitrobenzene-d5	7.44	82	428021	47.88	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	116924	59.66	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	846642	59.73	ng	0.00
79) Terphenyl-d14	12.98	244	758110	57.08	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	56996	7.489	ng	# 79
25) Isophorone	7.44	82	427968	24.291	ng	# 67
50) Dimethylphthalate	9.62	163	76884	4.828	ng	# 98
51) 2,6-Dinitrotoluene	9.92	165	28859	8.853	ng	# 25
57) 2,4-Dinitrotoluene	9.92	165	28859	6.958	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.69	198	234	7.140	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	7599	2.010	ng	# 1

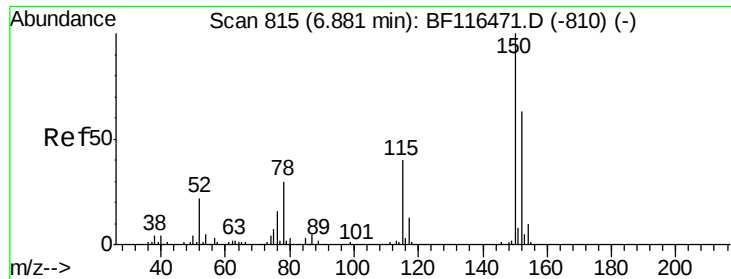
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 40 Sample Multiplier: 1

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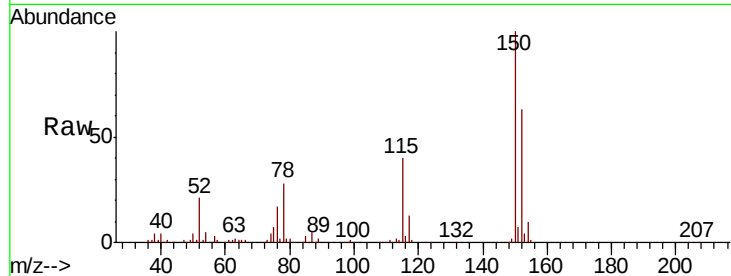


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116520.D
Acq: 24 Aug 2019 13:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.7	190.1
115	63.6	50.9	76.3

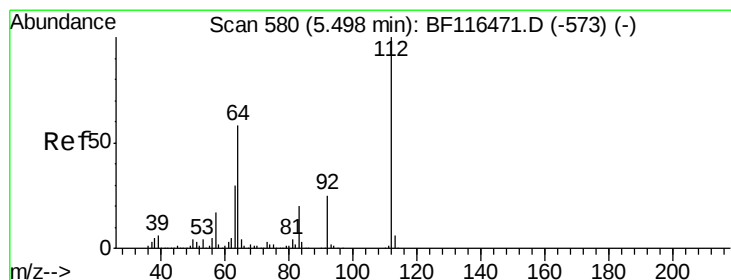
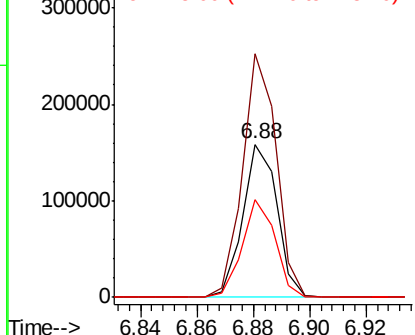
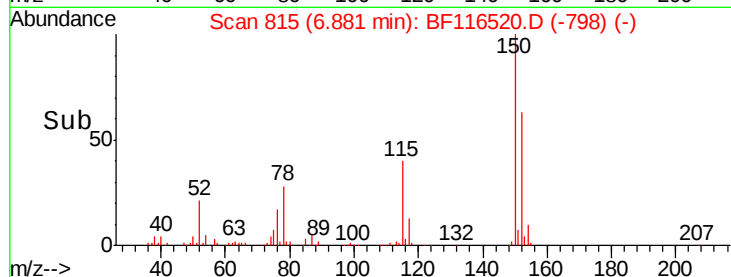


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

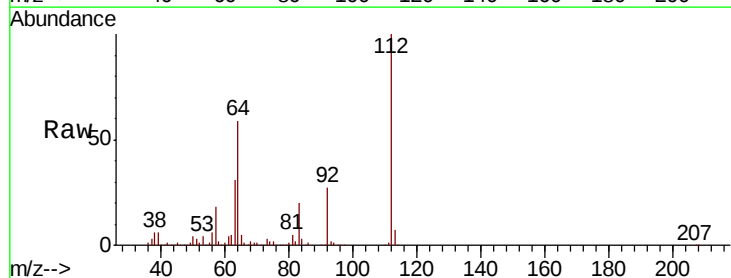
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 60.188 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116520.D
Acq: 24 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	46.3	69.5
63	31.0	24.2	36.4

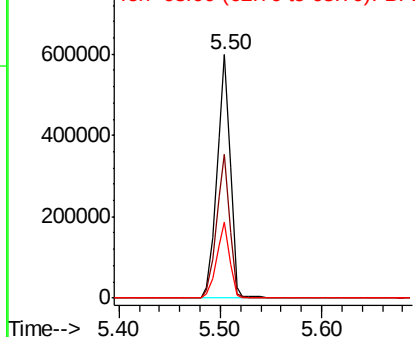
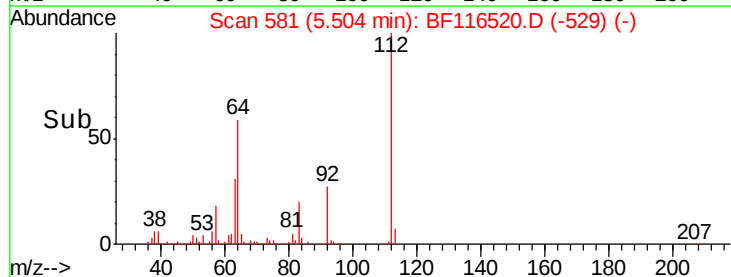


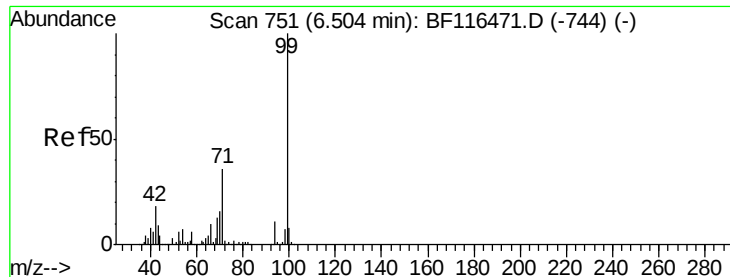
Abundance

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: 65.236 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

Instrument :

BNA_F

ClientSampleId :

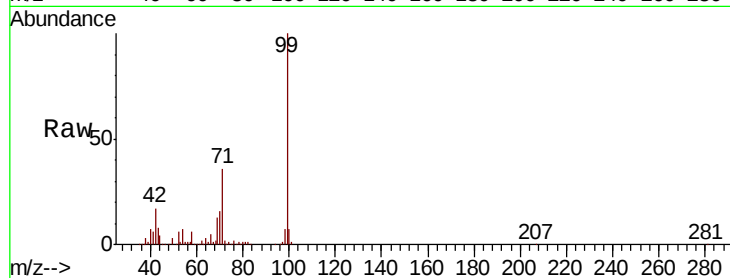
Tot Ion: 99 Resp: 727630

Ion Ratio Lower Upper

99 100

42 17.5 14.6 21.8

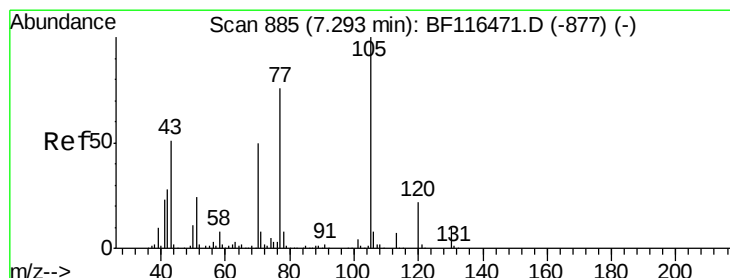
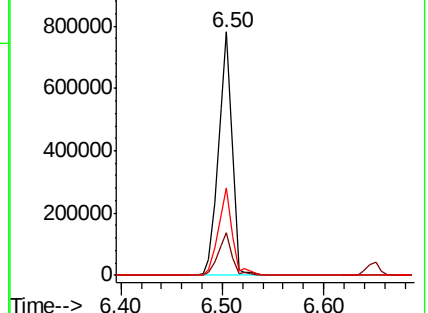
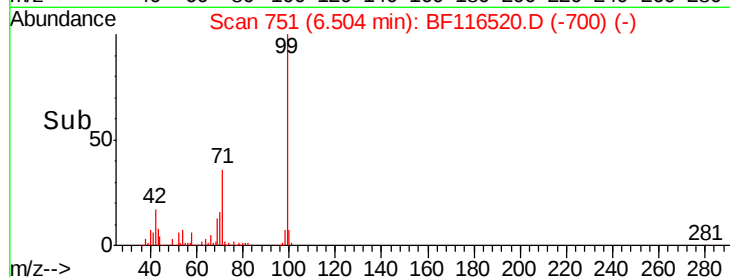
71 35.9 28.5 42.7



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: 7.489 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

Tgt Ion: 70 Resp: 56996

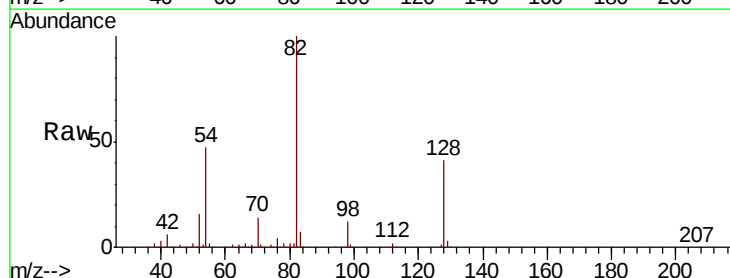
Ion Ratio Lower Upper

70 100

42 45.0 44.4 66.6

101 0.0 7.1 10.7#

130 2.2 15.8 23.8#

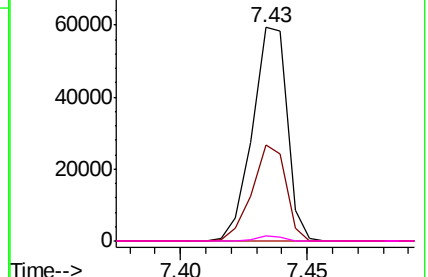
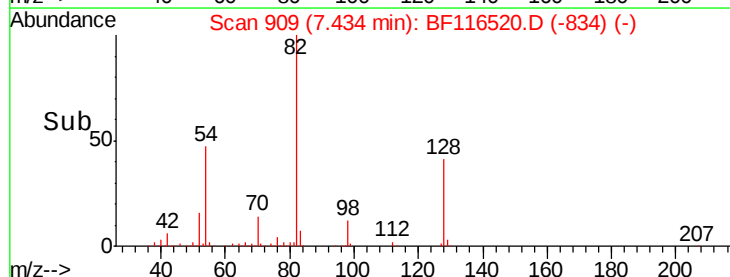


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

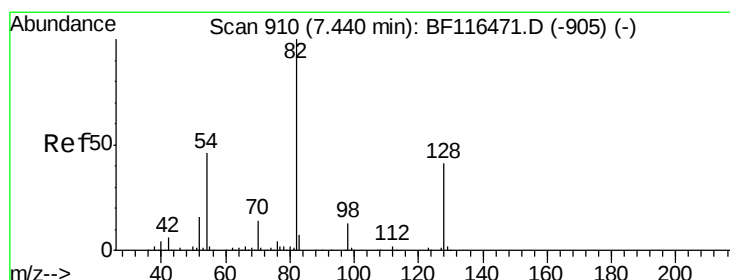
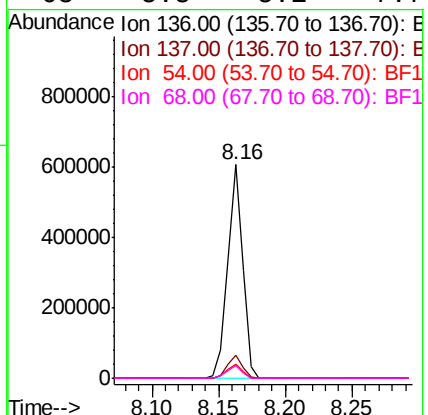
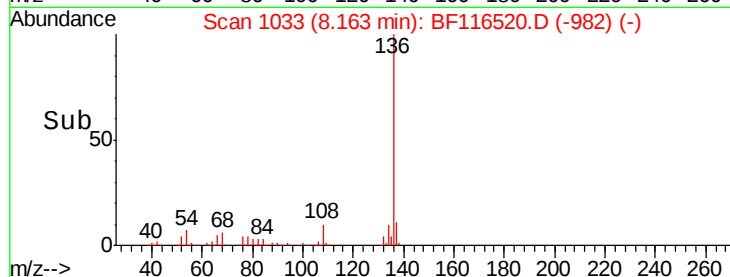
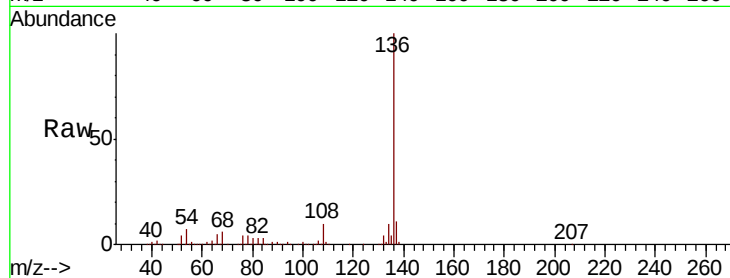




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116520.D
Acq: 24 Aug 2019 13:40

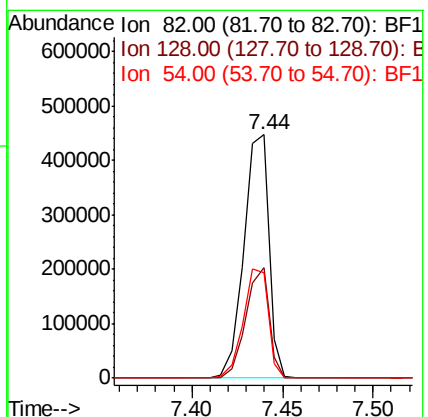
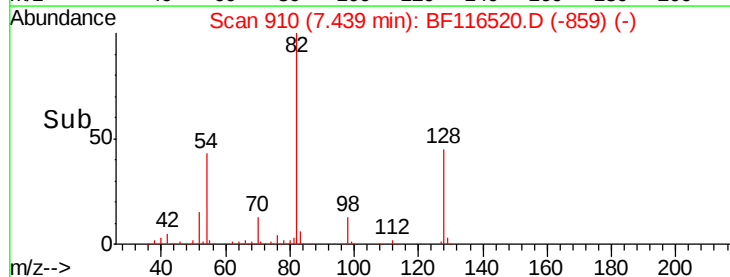
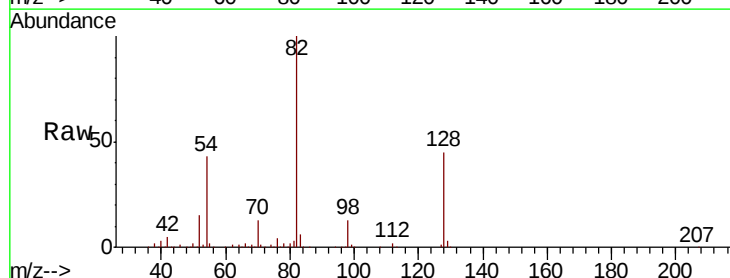
Instrument :
BNA_F
ClientSampleId :

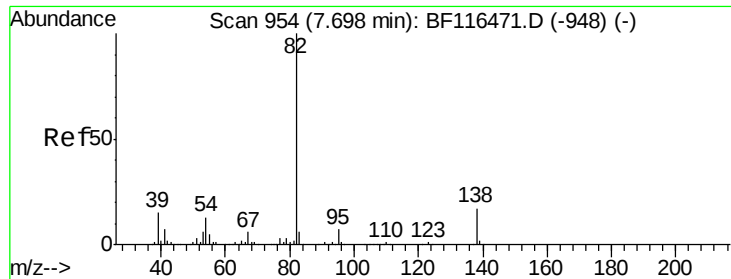
Tot Ion:136	Resp:	489124
Ion Ratio	Lower	Upper
136 100		
137 10.8	9.0	13.4
54 6.7	5.8	8.6
68 5.8	5.1	7.7



#23
Nitrobenzene-d5
Concen: 47.875 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116520.D
Acq: 24 Aug 2019 13:40

Tgt Ion: 82	Resp: 428021
Ion Ratio	Lower Upper
82 100	
128 45.2	32.2 48.4
54 43.3	36.5 54.7





#25

Isophorone

Concen: 24.291 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

Instrument :

BNA_F

ClientSampled :

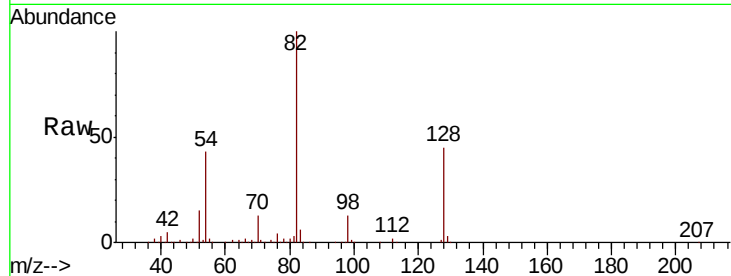
Tot Ion: 82 Resp: 427968

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

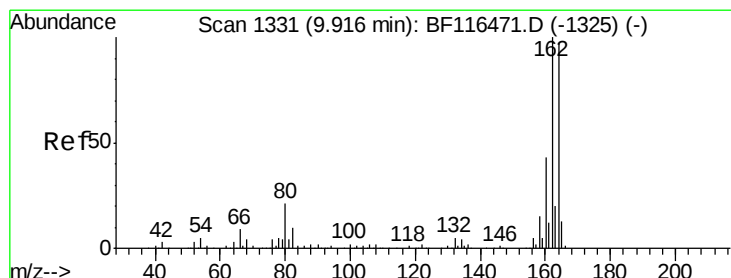
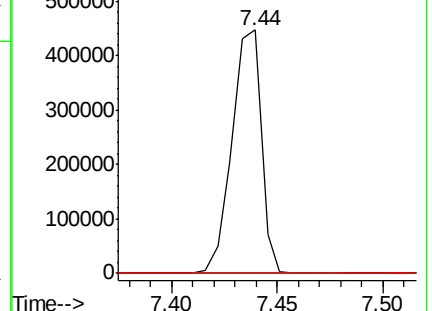
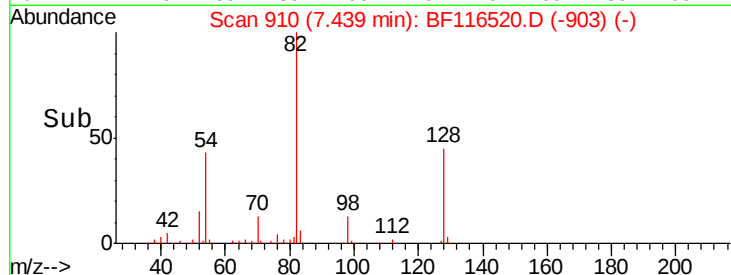
138 0.0 13.3 19.9#



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: BF116520.D

Acq: 24 Aug 2019 13:40

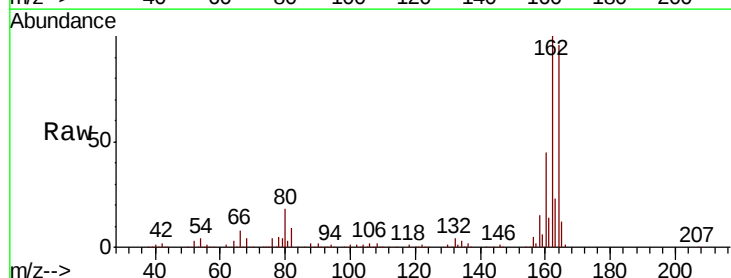
Tgt Ion:164 Resp: 228253

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

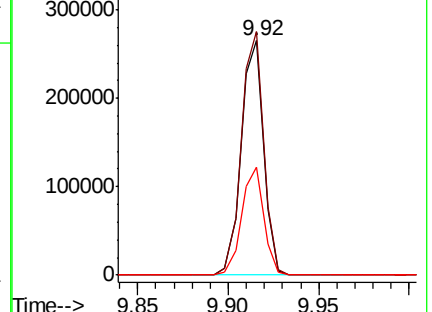
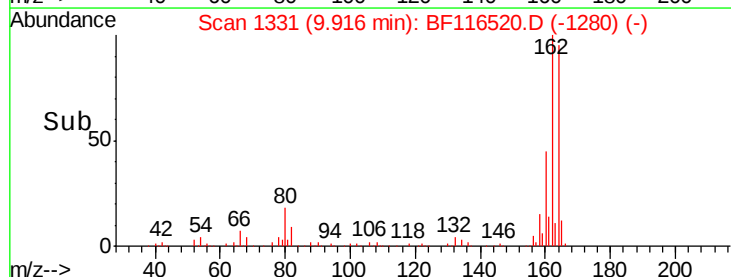
160 46.4 35.8 53.8

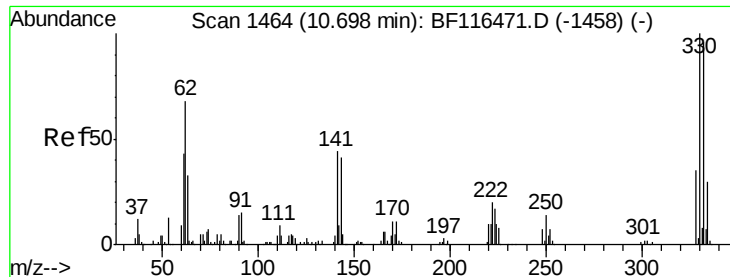


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

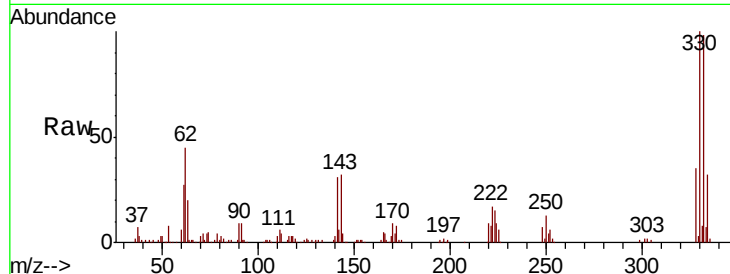




#42
 2,4,6-Tribromophenol
 Concen: 59.657 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116520.D
 Acq: 24 Aug 2019 13:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.2	115.8
141	37.5	33.3	49.9

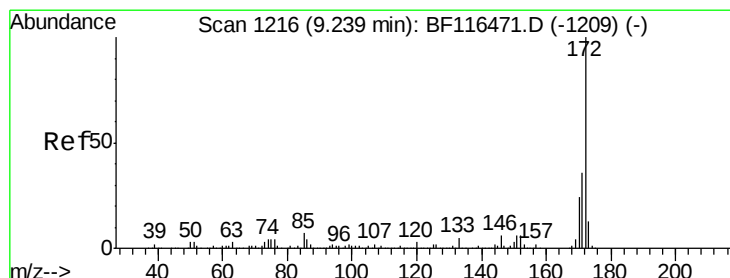
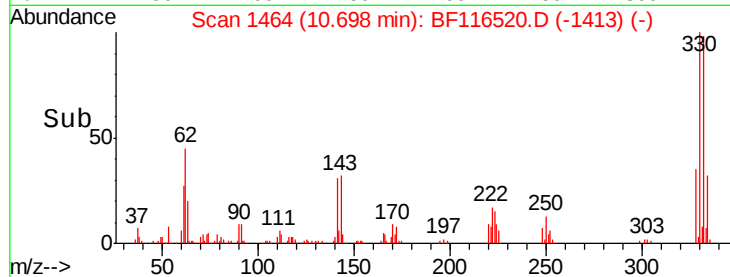
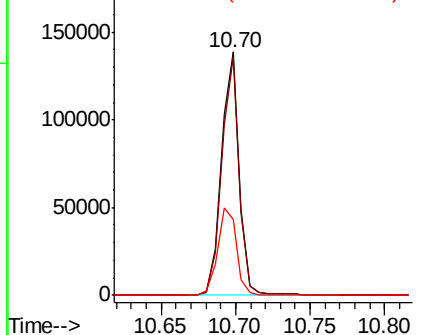


Abundance

Ion 329.80 (329.50 to 330.50): E

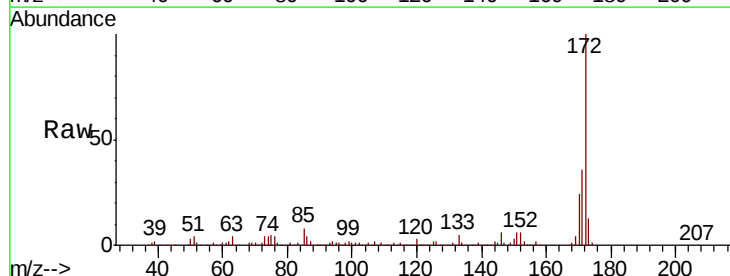
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 59.734 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116520.D
 Acq: 24 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.9	43.3
170	23.9	19.4	29.0

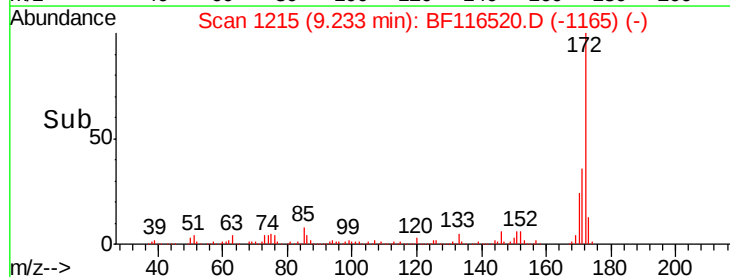
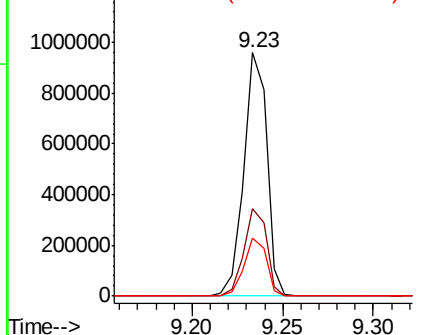


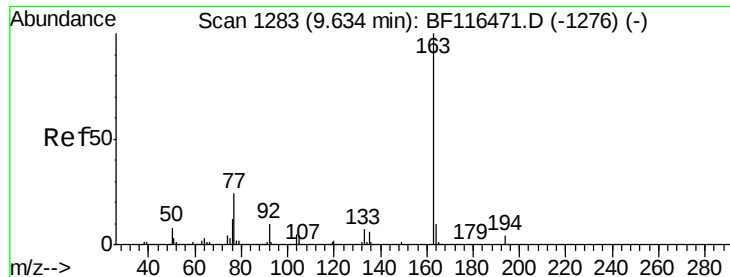
Abundance

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: 4.828 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

Instrument :

BNA_F

ClientSampled :

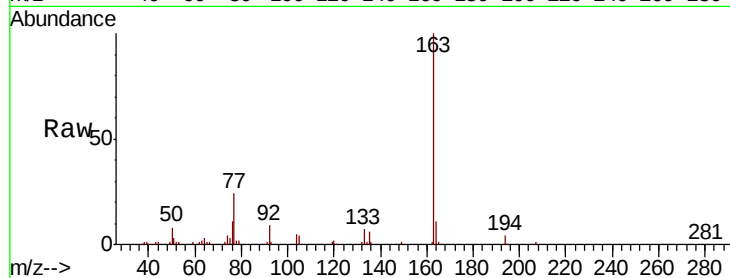
Tot Ion:163 Resp: 76884

Ion Ratio Lower Upper

163 100

194 3.8 2.9 4.3

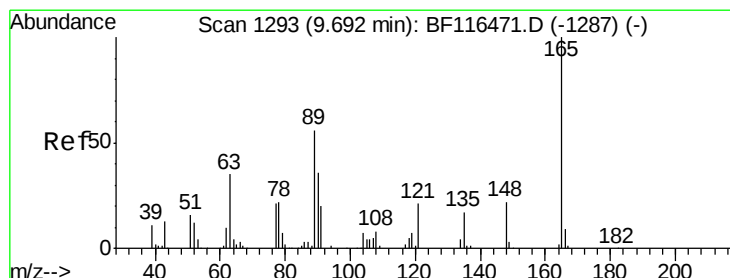
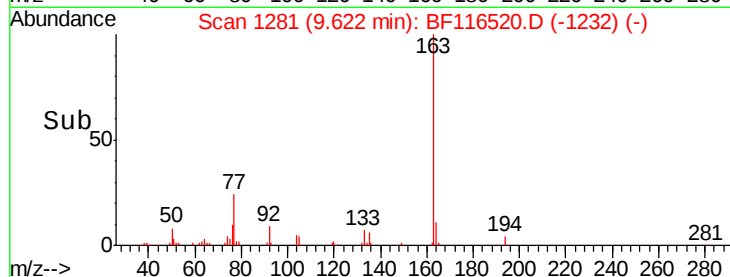
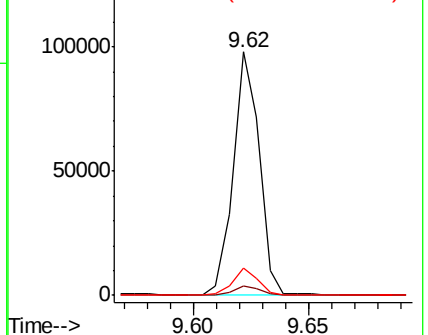
164 11.3 8.2 12.2



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: 8.853 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

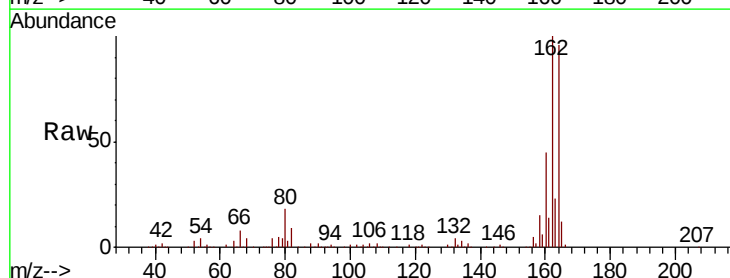
Tgt Ion:165 Resp: 28859

Ion Ratio Lower Upper

165 100

63 0.0 43.7 65.5#

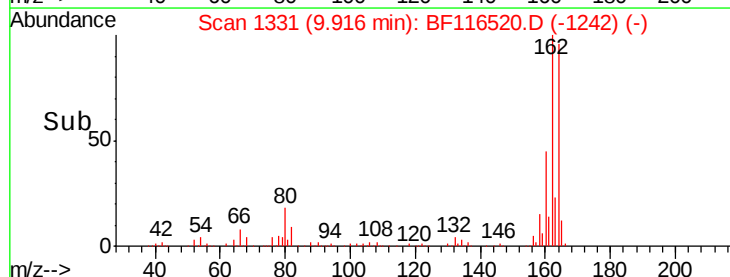
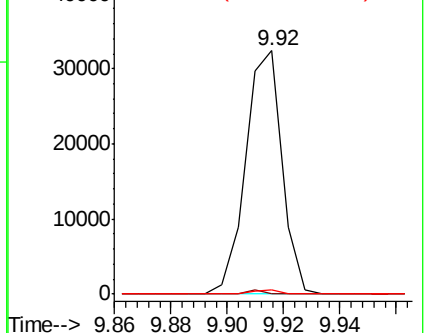
89 1.5 45.1 67.7#

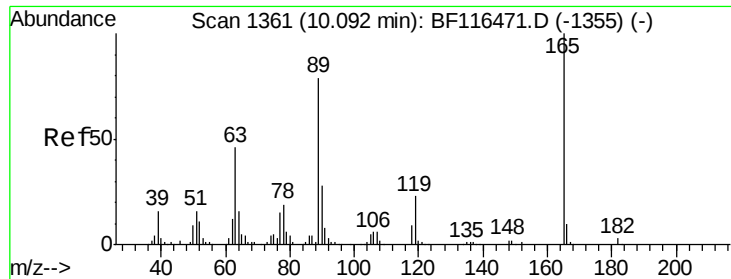


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

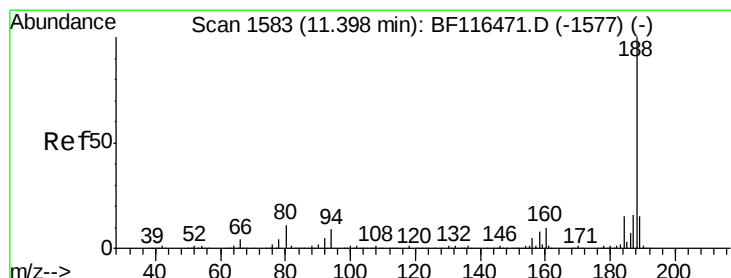
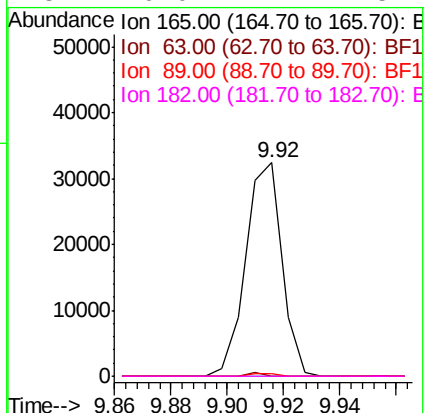
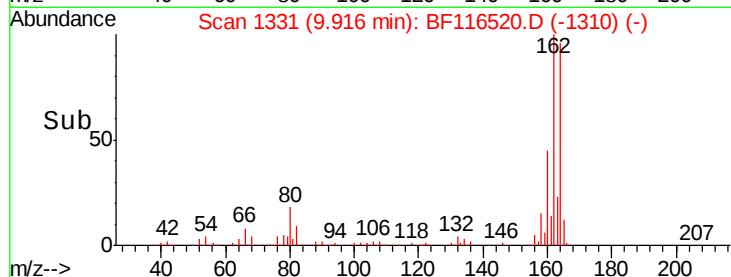
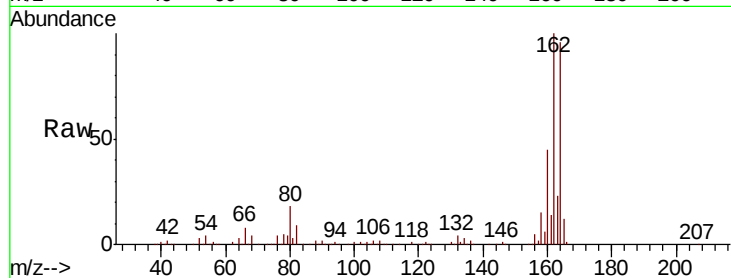




#57
 2,4-Dinitrotoluene
 Concen: 6.958 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116520.D
 Acq: 24 Aug 2019 13:40

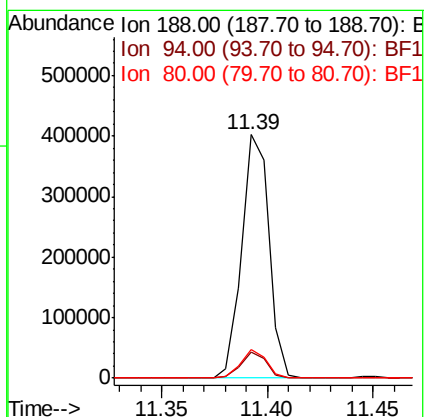
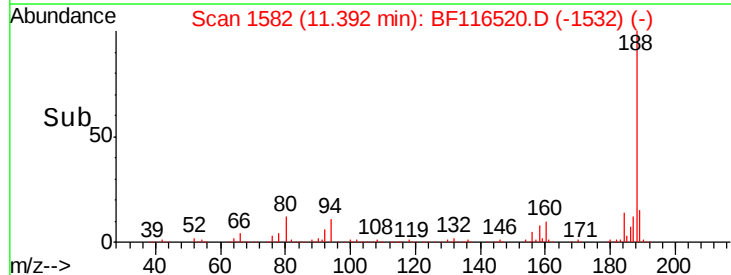
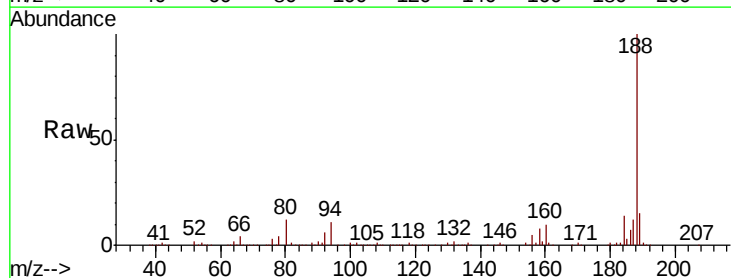
Instrument :
 BNA_F
 ClientSampleId :

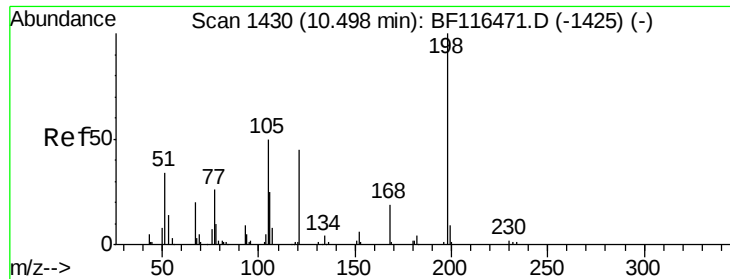
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.9	55.3#
89	1.5	63.4	95.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF116520.D
 Acq: 24 Aug 2019 13:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.4	11.2
80	11.9	8.6	12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 7.140 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.19 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

Instrument :

BNA_F

ClientSampleId :

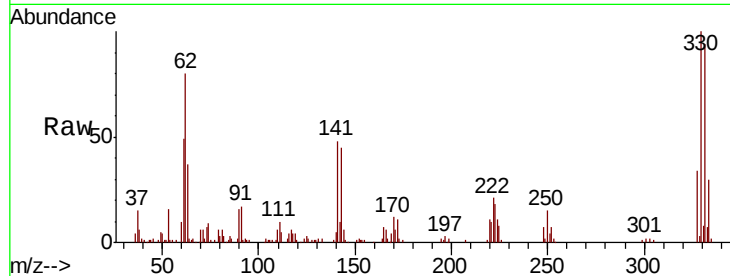
Tot Ion:198 Resp: 234

Ion Ratio Lower Upper

198 100

51 198.0 30.4 70.4#

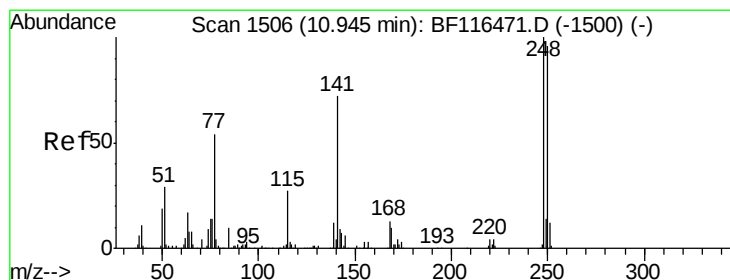
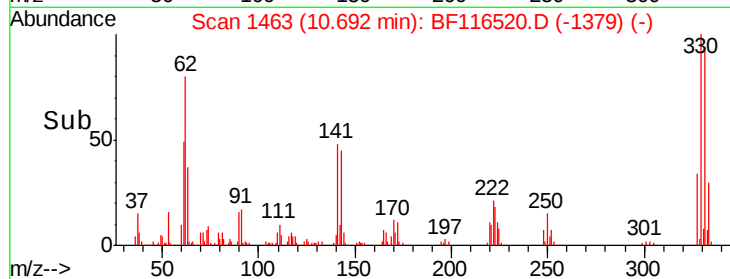
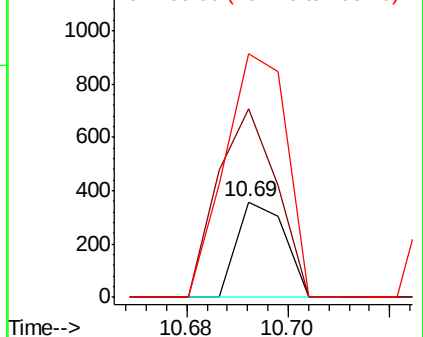
105 255.7 32.8 72.8#



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: 2.010 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.25 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

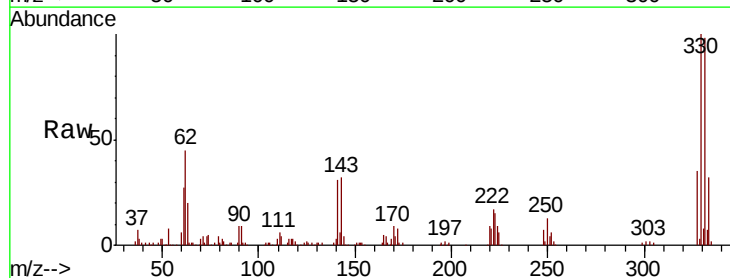
Tgt Ion:248 Resp: 7599

Ion Ratio Lower Upper

248 100

250 196.8 77.0 115.6#

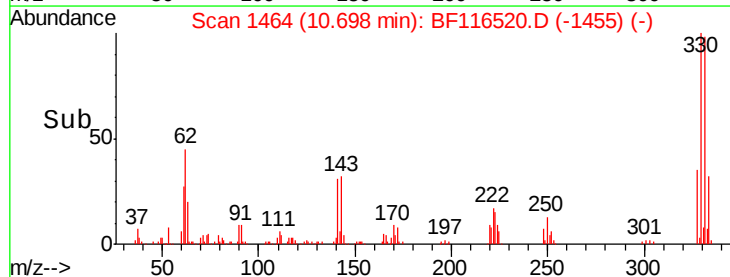
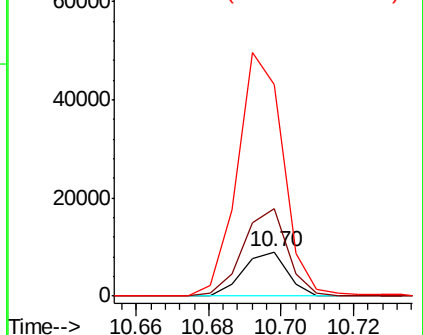
141 475.1 57.4 86.0#

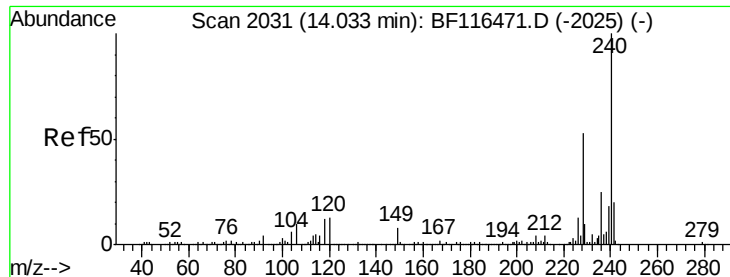


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

Instrument :

BNA_F

ClientSampleId :

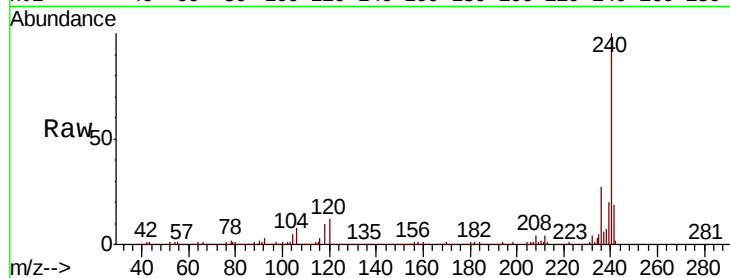
Tot Ion:240 Resp: 248098

Ion Ratio Lower Upper

240 100

120 12.0 10.5 15.7

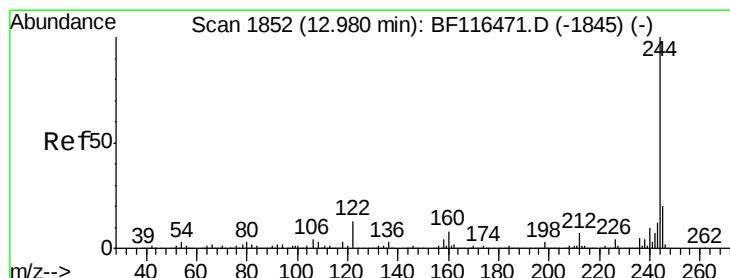
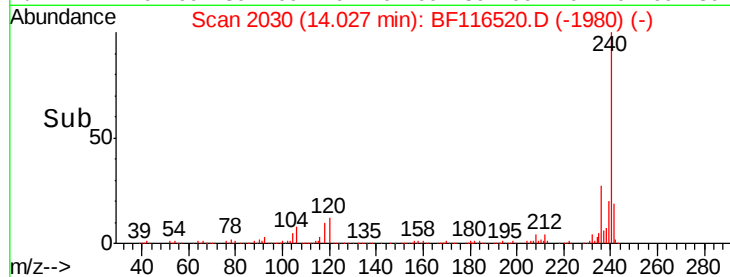
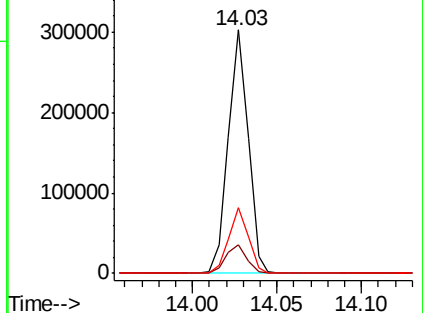
236 26.9 20.2 30.2



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: 57.077 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116520.D

Acq: 24 Aug 2019 13:40

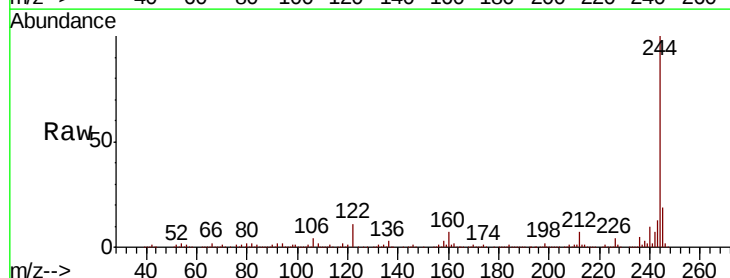
Tgt Ion:244 Resp: 758110

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

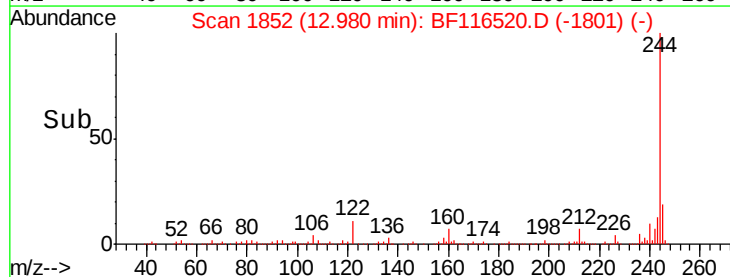
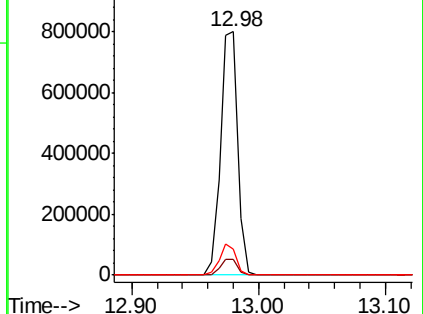
122 10.6 10.2 15.4

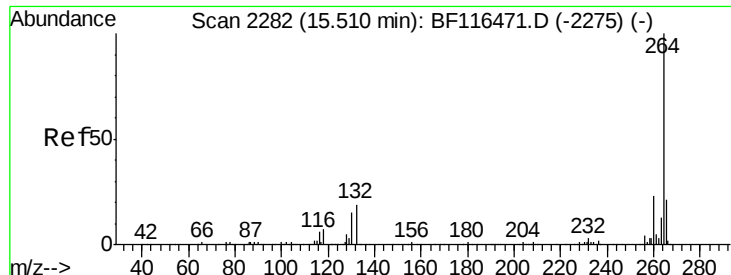


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2279
 Delta R.T. -0.02 min
 Lab File: BF116520.D
 Acq: 24 Aug 2019 13:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.8	28.2
265	21.6	17.1	25.7

