

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116601.D
 Acq On : 27 Aug 2019 23:44
 Operator : HP/JU
 Sample : K4528-30
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:39:30 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

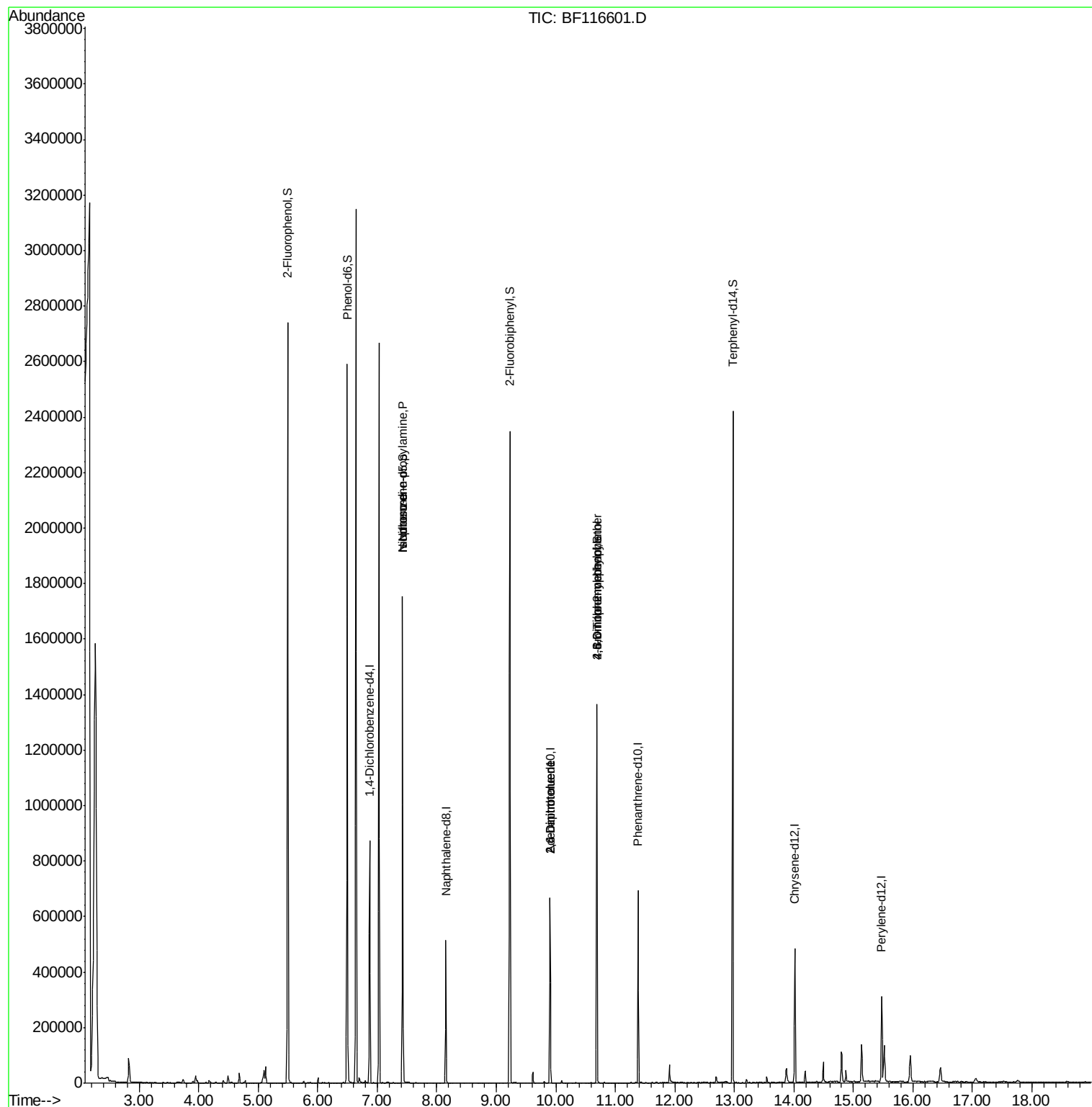
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	117193	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	230401	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	122654	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	219061	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	155469	20.00	ng	-0.02
87) Perylene-d12	15.48	264	146438	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	755877	94.24	ng	0.00
7) Phenol-d6	6.50	99	931264	94.69	ng	0.00
23) Nitrobenzene-d5	7.43	82	623549	148.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	152303	144.61	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	661118	86.80	ng	-0.01
79) Terphenyl-d14	12.97	244	797729	95.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	84394	12.576	ng	# 78
25) Isophorone	7.43	82	623538	75.133	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	15560	8.883	ng	# 24
57) 2,4-Dinitrotoluene	9.90	165	15560	6.981	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.69	198	306	7.296	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	10508	4.575	ng	# 1

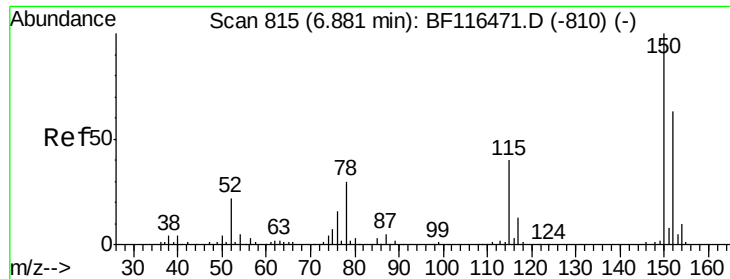
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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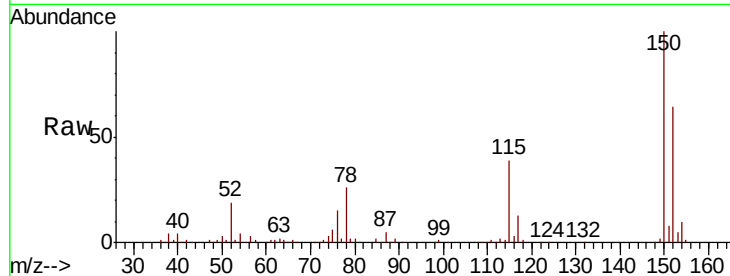


#1

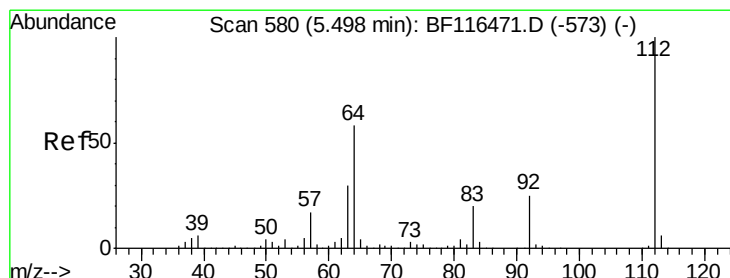
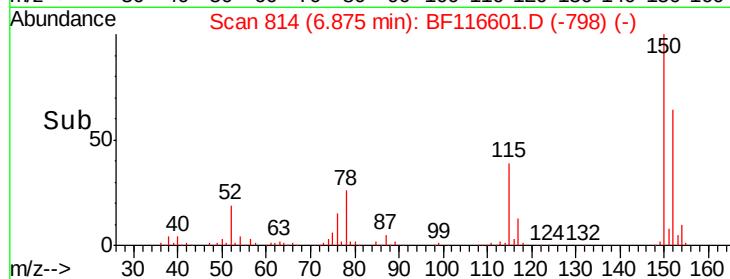
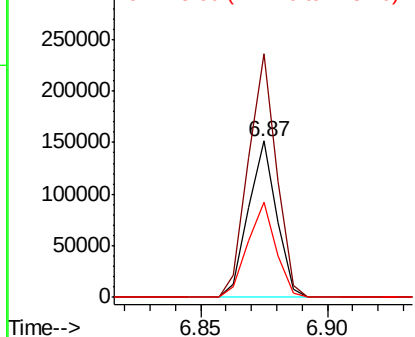
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116601.D
Acq: 27 Aug 2019 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117193
Ion Ratio Lower Upper
152 100
150 156.0 126.7 190.1
115 60.7 50.9 76.3



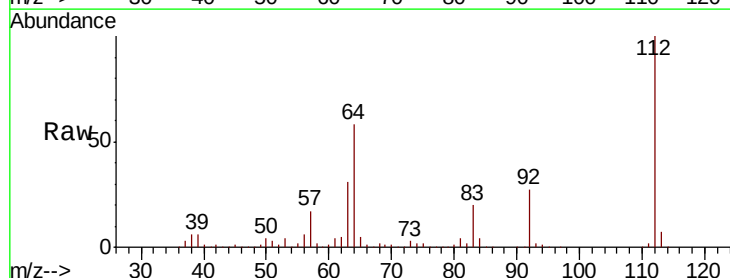
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



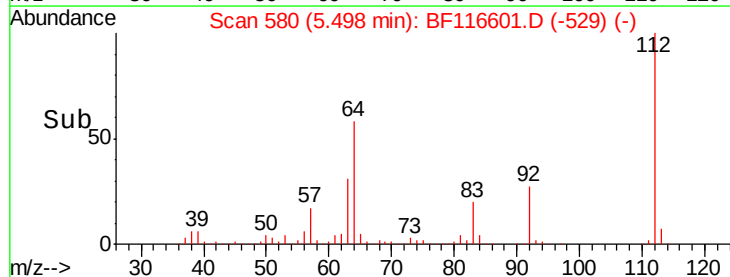
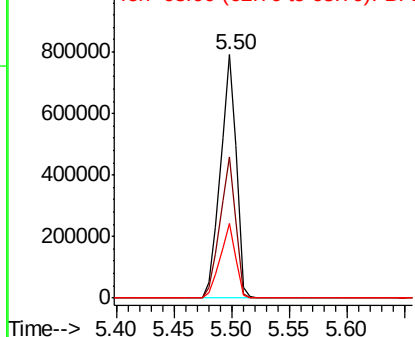
#5

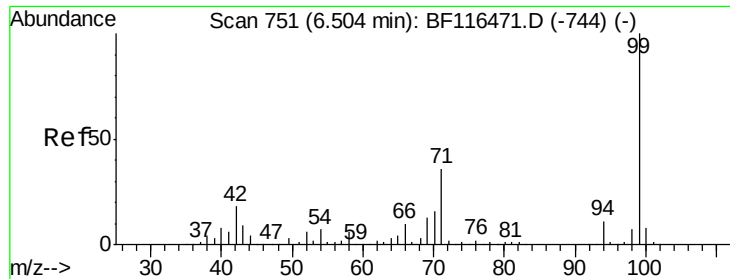
2-Fluorophenol
Concen: 94.242 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF116601.D
Acq: 27 Aug 2019 23:44

Tgt Ion:112 Resp: 755877
Ion Ratio Lower Upper
112 100
64 58.2 46.3 69.5
63 30.5 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: 94.694 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

Instrument :

BNA_F

ClientSampleId :

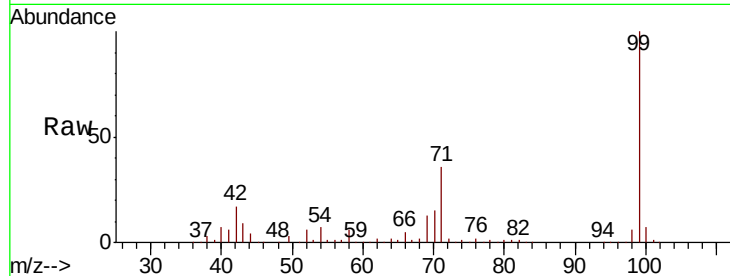
Tot Ion: 99 Resp: 931264

Ion Ratio Lower Upper

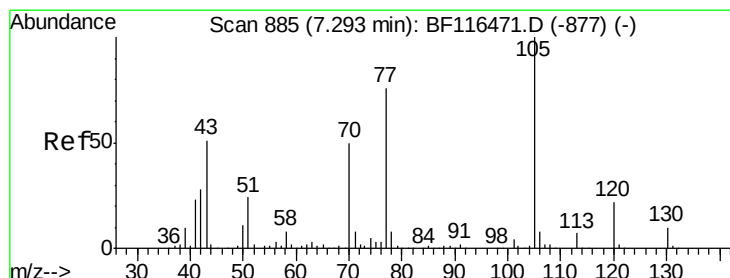
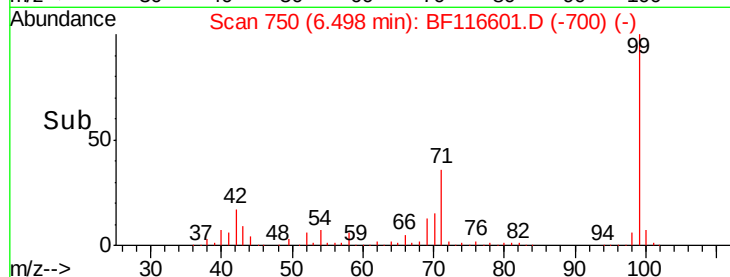
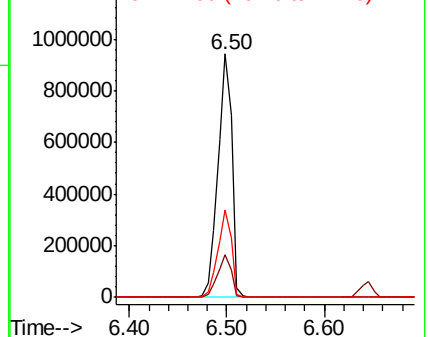
99 100

42 17.3 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: 12.576 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

Tgt Ion: 70 Resp: 84394

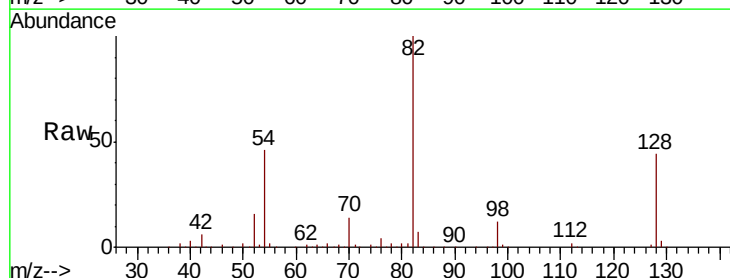
Ion Ratio Lower Upper

70 100

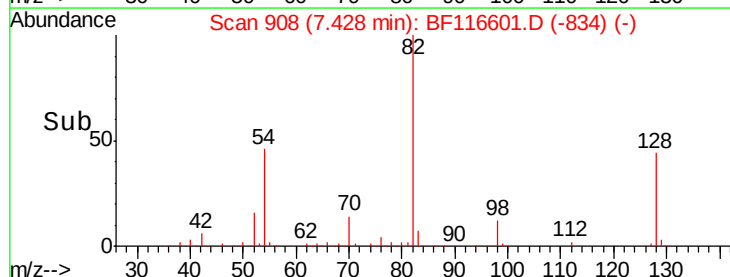
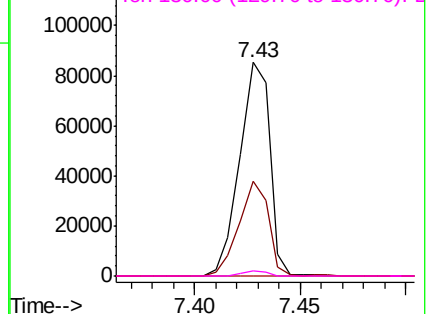
42 44.5 44.4 66.6

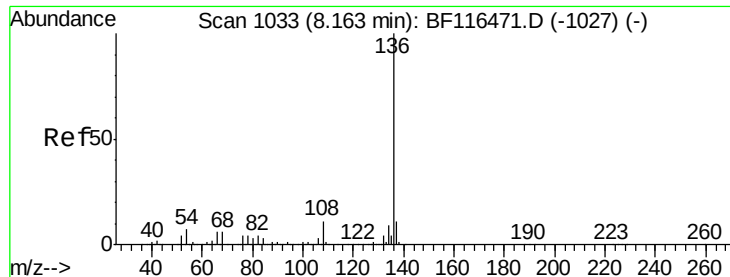
101 0.0 7.1 10.7#

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

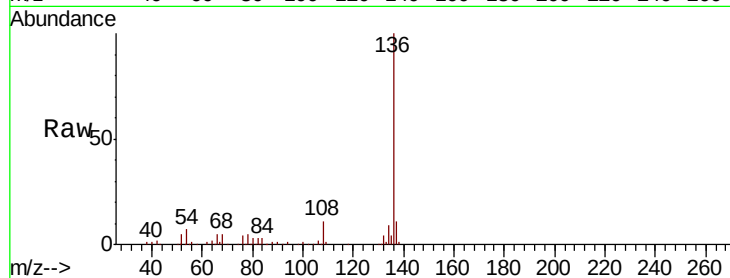




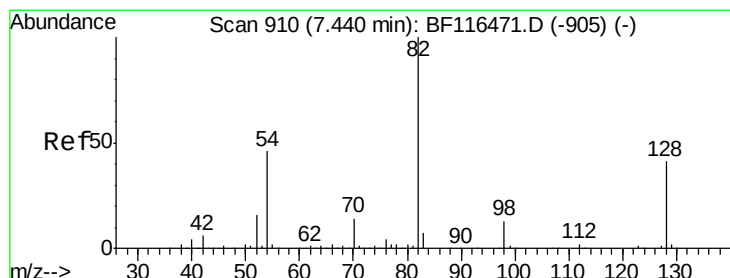
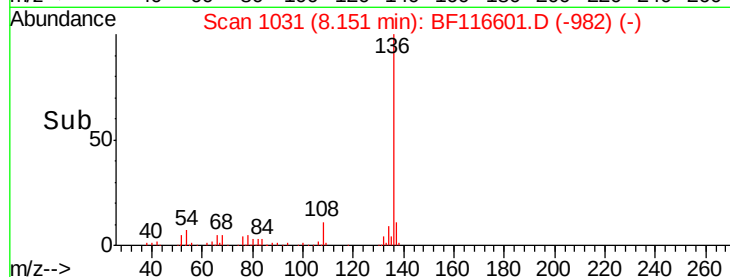
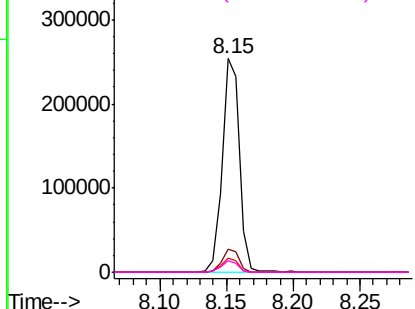
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116601.D
Acq: 27 Aug 2019 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	230401
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.4
54	6.6	5.8 8.6
68	5.4	5.1 7.7

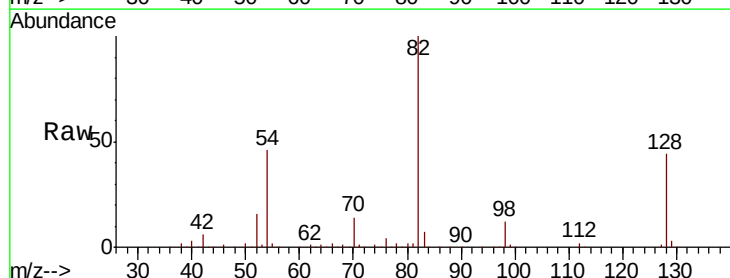


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

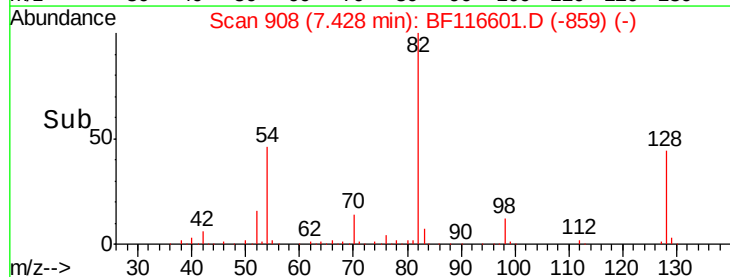
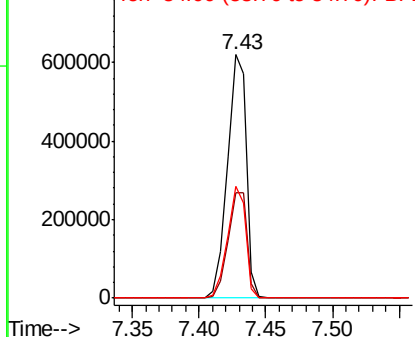


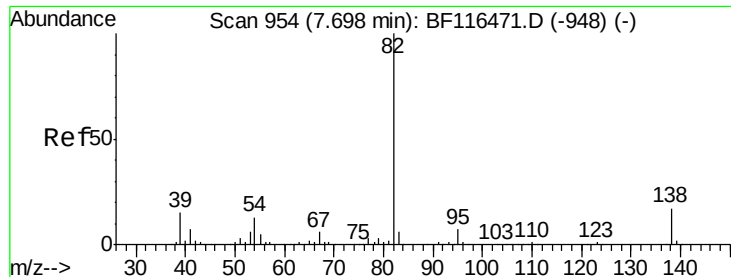
#23
Nitrobenzene-d5
Concen: 148.065 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF116601.D
Acq: 27 Aug 2019 23:44

Tgt Ion: 82	Resp:	623549
Ion Ratio	Lower	Upper
82	100	
128	43.5	32.2 48.4
54	45.8	36.5 54.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 75.133 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.27 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

Instrument :

BNA_F

ClientSampleId :

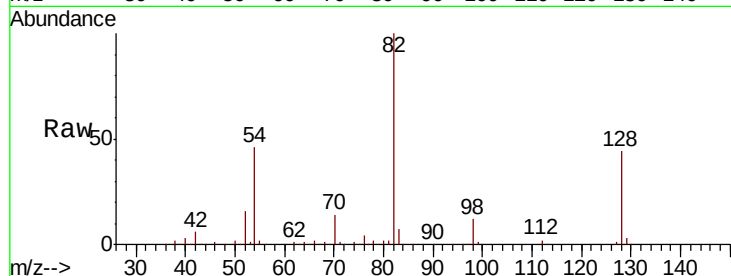
Tot Ion: 82 Resp: 623538

Ion Ratio Lower Upper

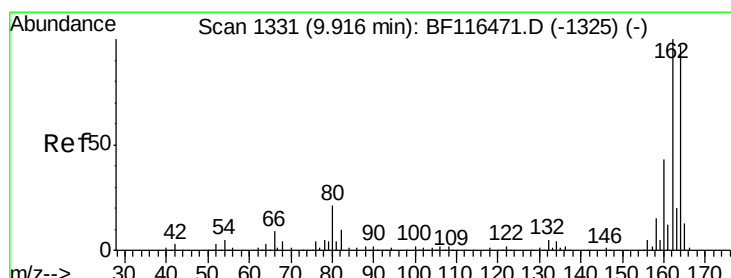
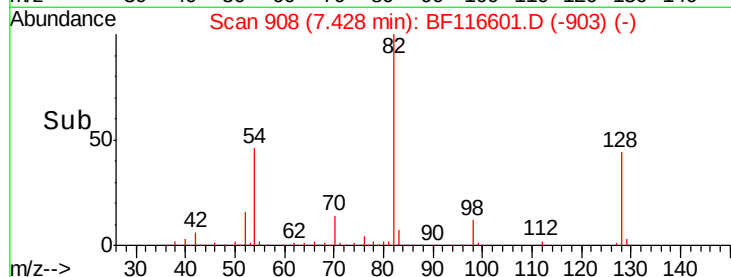
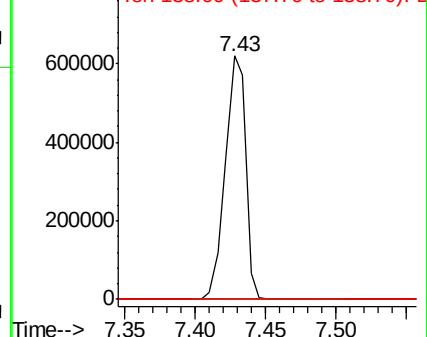
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

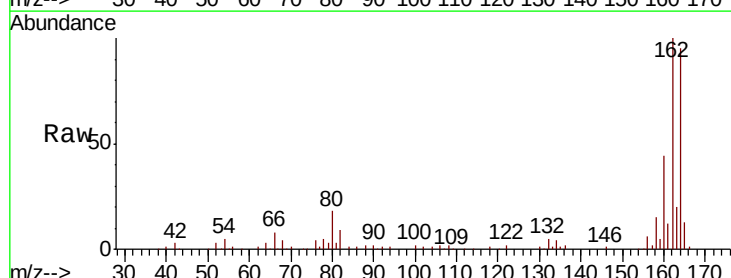
Tgt Ion:164 Resp: 122654

Ion Ratio Lower Upper

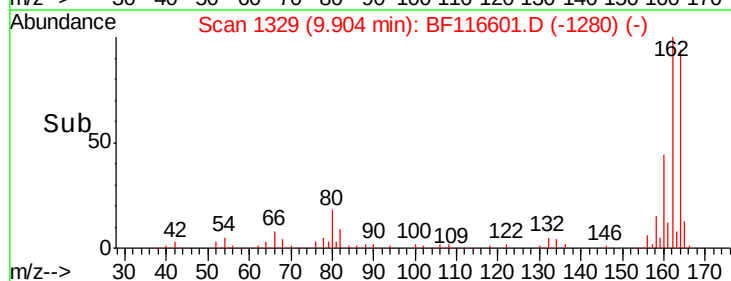
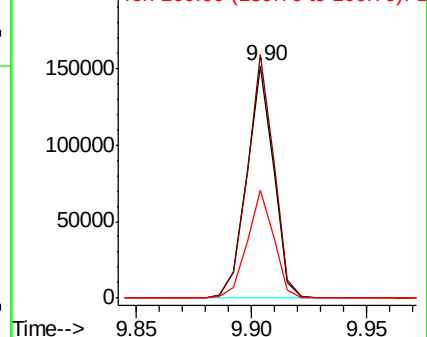
164 100

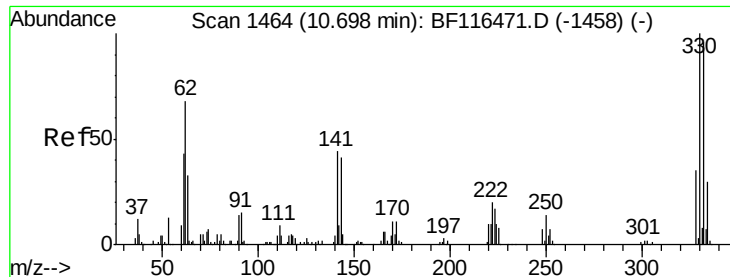
162 104.7 82.6 123.8

160 46.5 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: 144.610 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

Instrument :

BNA_F

ClientSampled :

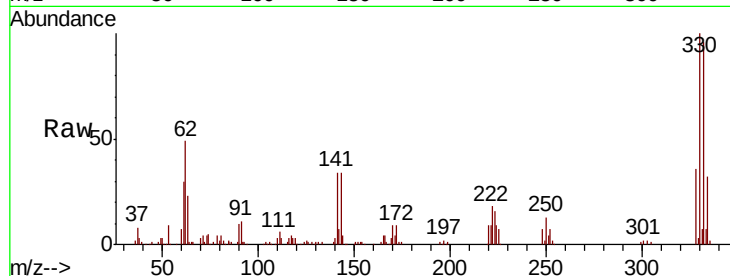
Tot Ion:330 Resp: 152303

Ion Ratio Lower Upper

330 100

332 96.6 77.2 115.8

141 39.7 33.3 49.9

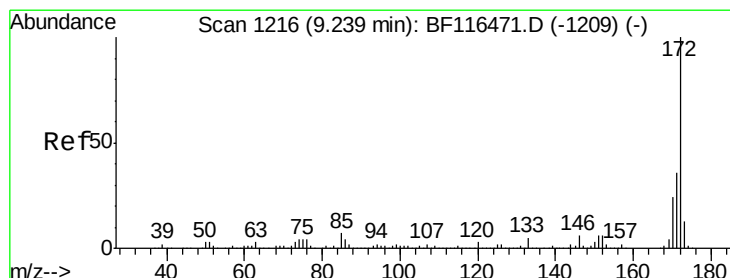
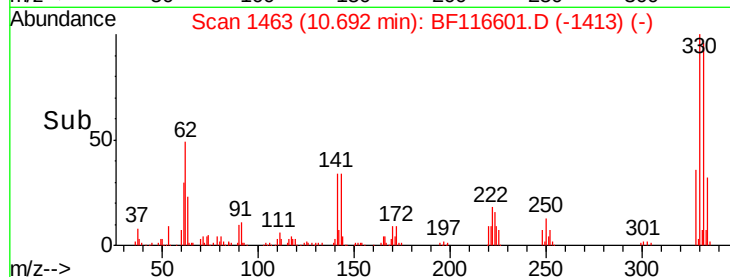
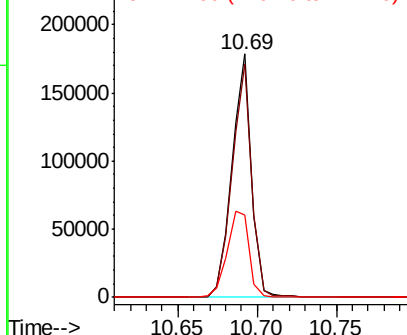


Abundance

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: 86.803 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

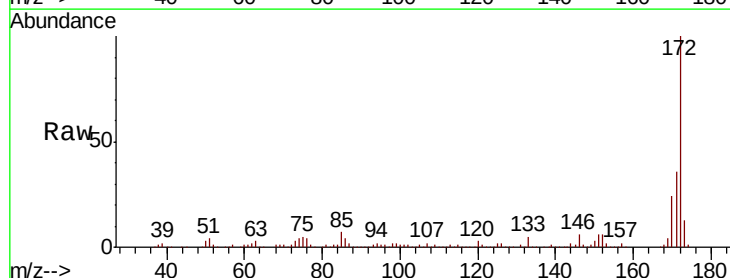
Tgt Ion:172 Resp: 661118

Ion Ratio Lower Upper

172 100

171 36.3 28.9 43.3

170 23.6 19.4 29.0

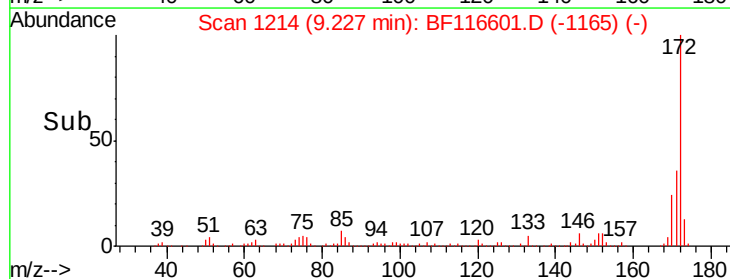
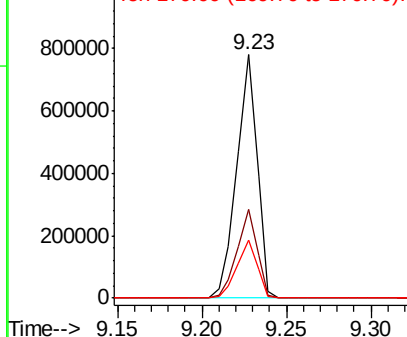


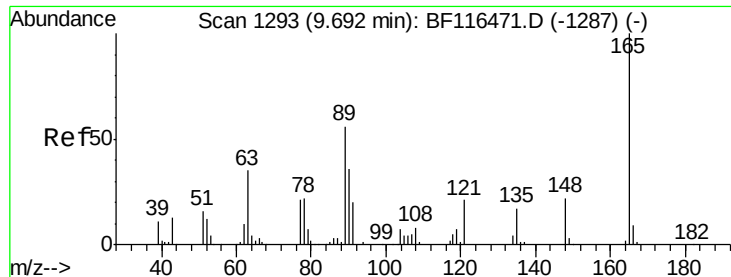
Abundance

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

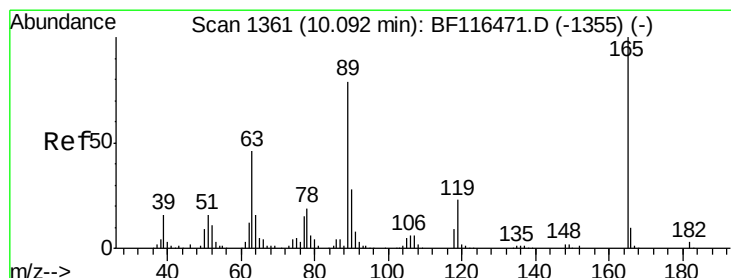
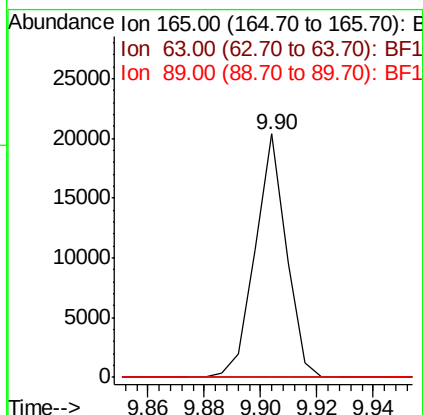
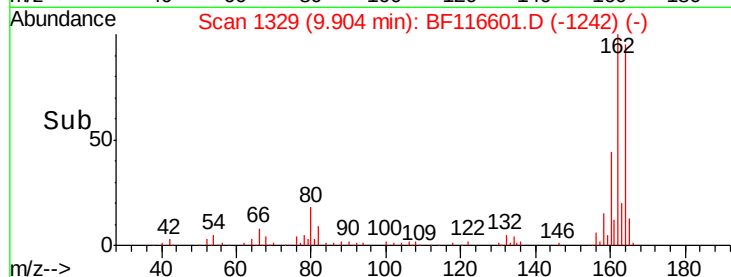
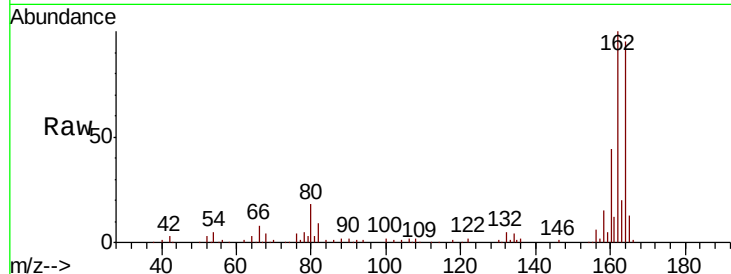




#51
 2,6-Dinitrotoluene
 Concen: 8.883 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF116601.D
 Acq: 27 Aug 2019 23:44

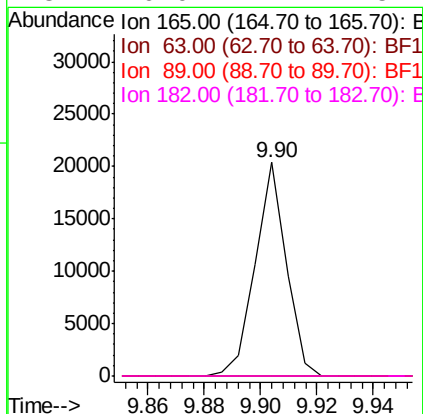
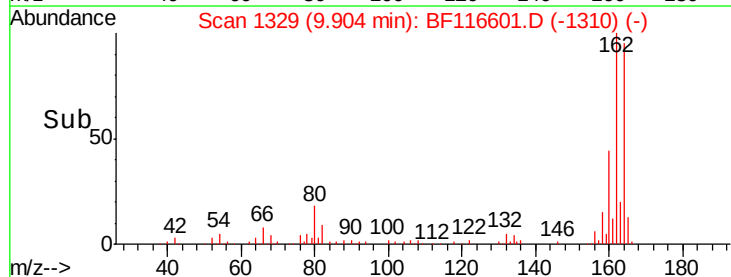
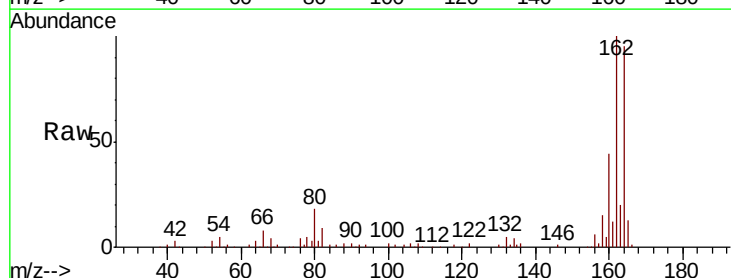
Instrument :
 BNA_F
 ClientSampleId :

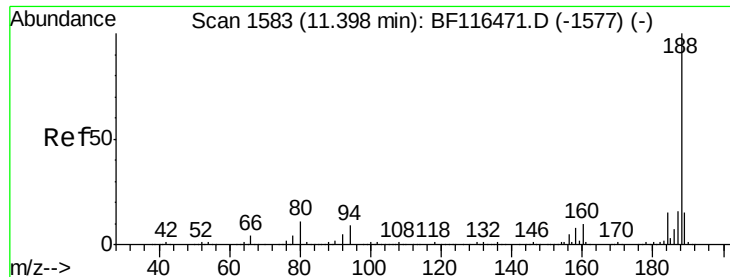
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.7	65.5#
89	0.0	45.1	67.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.981 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF116601.D
 Acq: 27 Aug 2019 23:44

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

Instrument :

BNA_F

ClientSampleId :

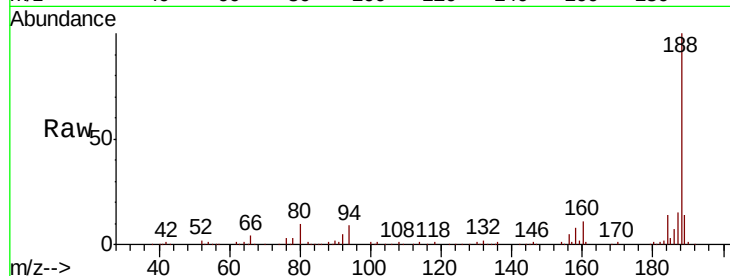
Tot Ion:188 Resp: 219061

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

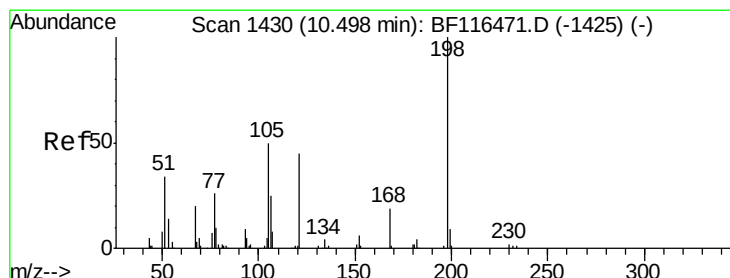
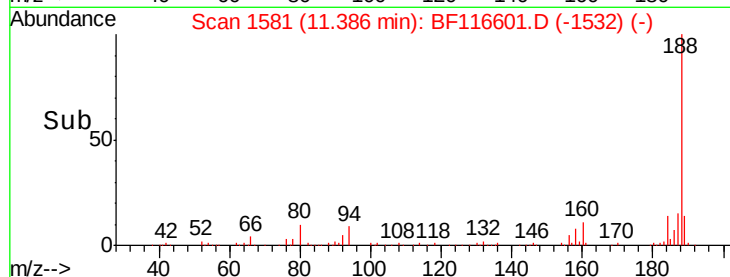
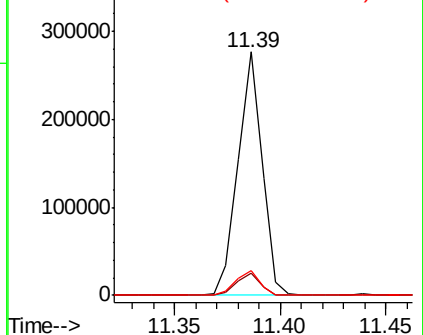
80 10.2 8.6 12.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.296 ng

RT: 10.69 min Scan# 1463

Delta R.T. 0.19 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

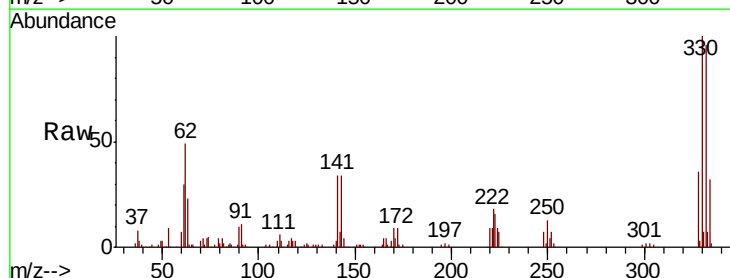
Tgt Ion:198 Resp: 306

Ion Ratio Lower Upper

198 100

51 141.0 30.4 70.4#

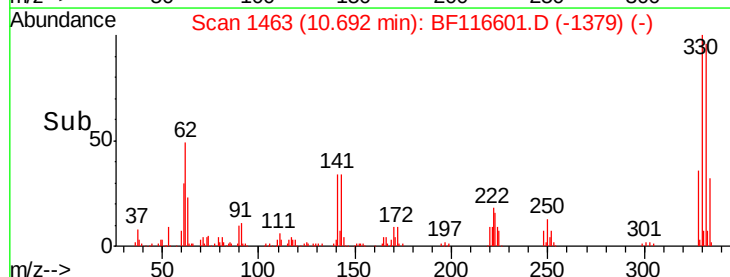
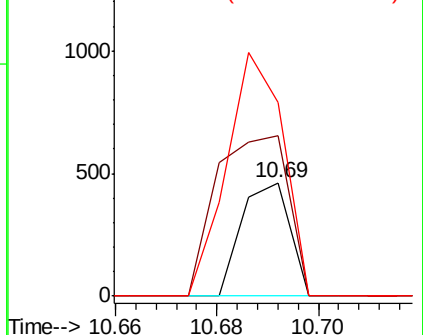
105 170.6 32.8 72.8#

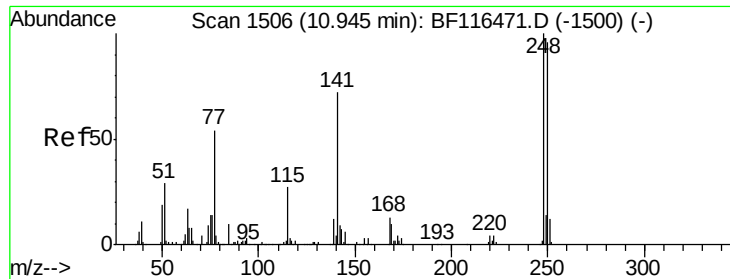


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

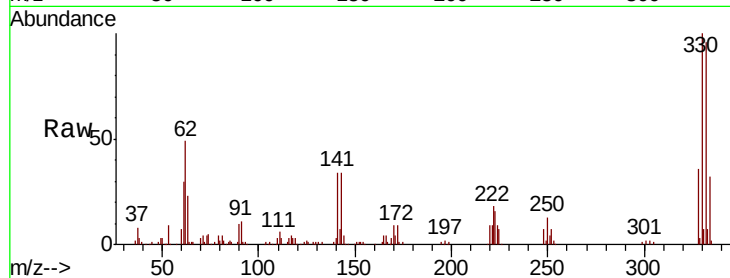




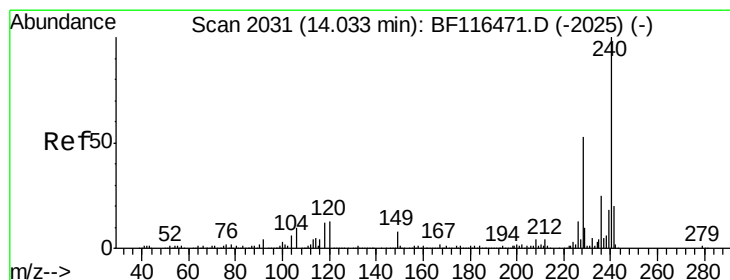
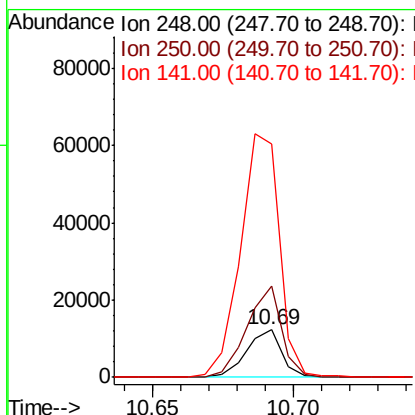
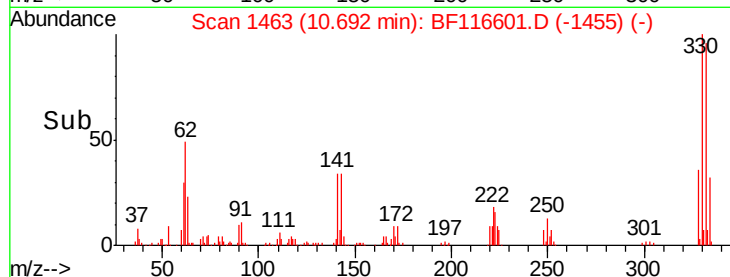
#67
4-Bromophenyl-phenylether
Concen: 4.575 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF116601.D
Acq: 27 Aug 2019 23:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10508
Ion Ratio Lower Upper
248 100
250 193.1 77.0 115.6#
141 490.8 57.4 86.0#

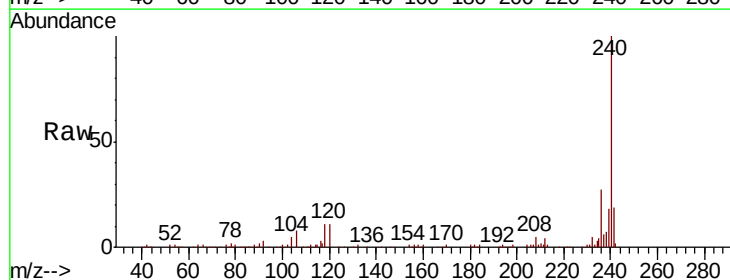


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

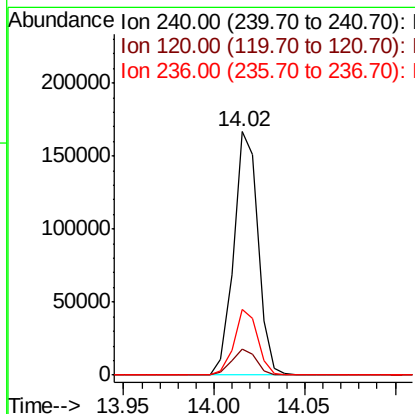
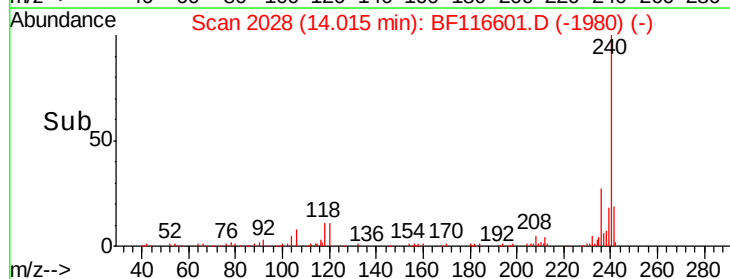


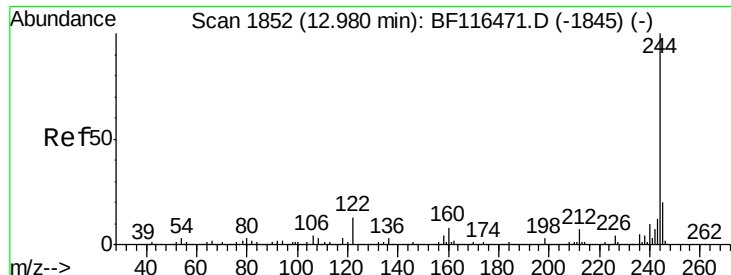
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF116601.D
Acq: 27 Aug 2019 23:44

Tgt Ion:240 Resp: 155469
Ion Ratio Lower Upper
240 100
120 10.9 10.5 15.7
236 26.8 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: 95.844 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

Instrument :

BNA_F

ClientSampleId :

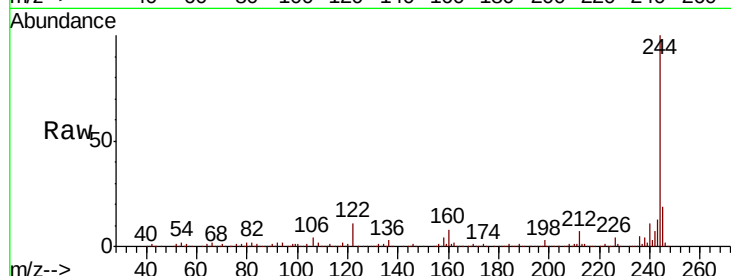
Tot Ion:244 Resp: 797729

Ion Ratio Lower Upper

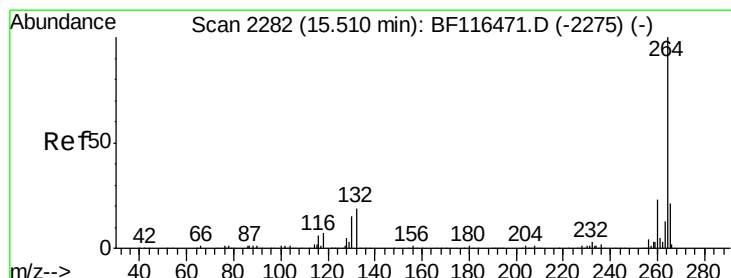
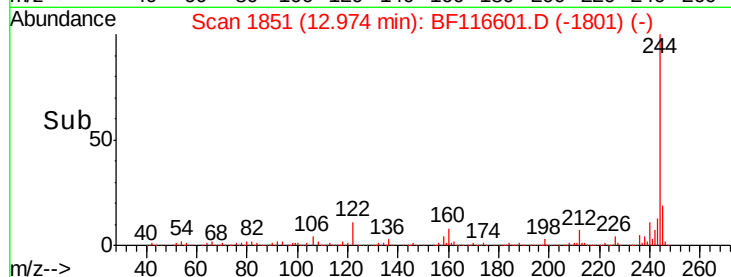
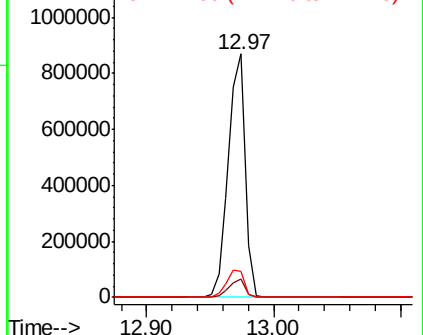
244 100

212 7.4 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

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.03 min

Lab File: BF116601.D

Acq: 27 Aug 2019 23:44

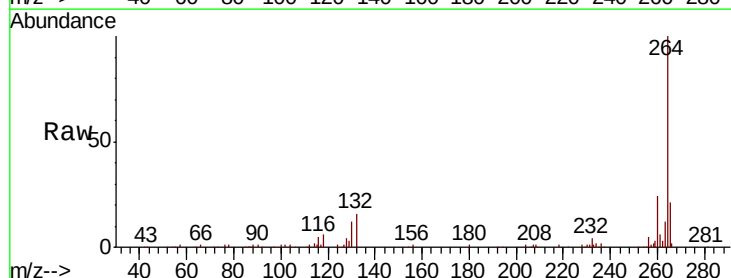
Tgt Ion:264 Resp: 146438

Ion Ratio Lower Upper

264 100

260 23.7 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

