

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070219\
 Data File : BF115366.D
 Acq On : 2 Jul 2019 18:15
 Operator : HP/JU
 Sample : K3160-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-062819-C

Quant Time: Jul 03 05:53:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

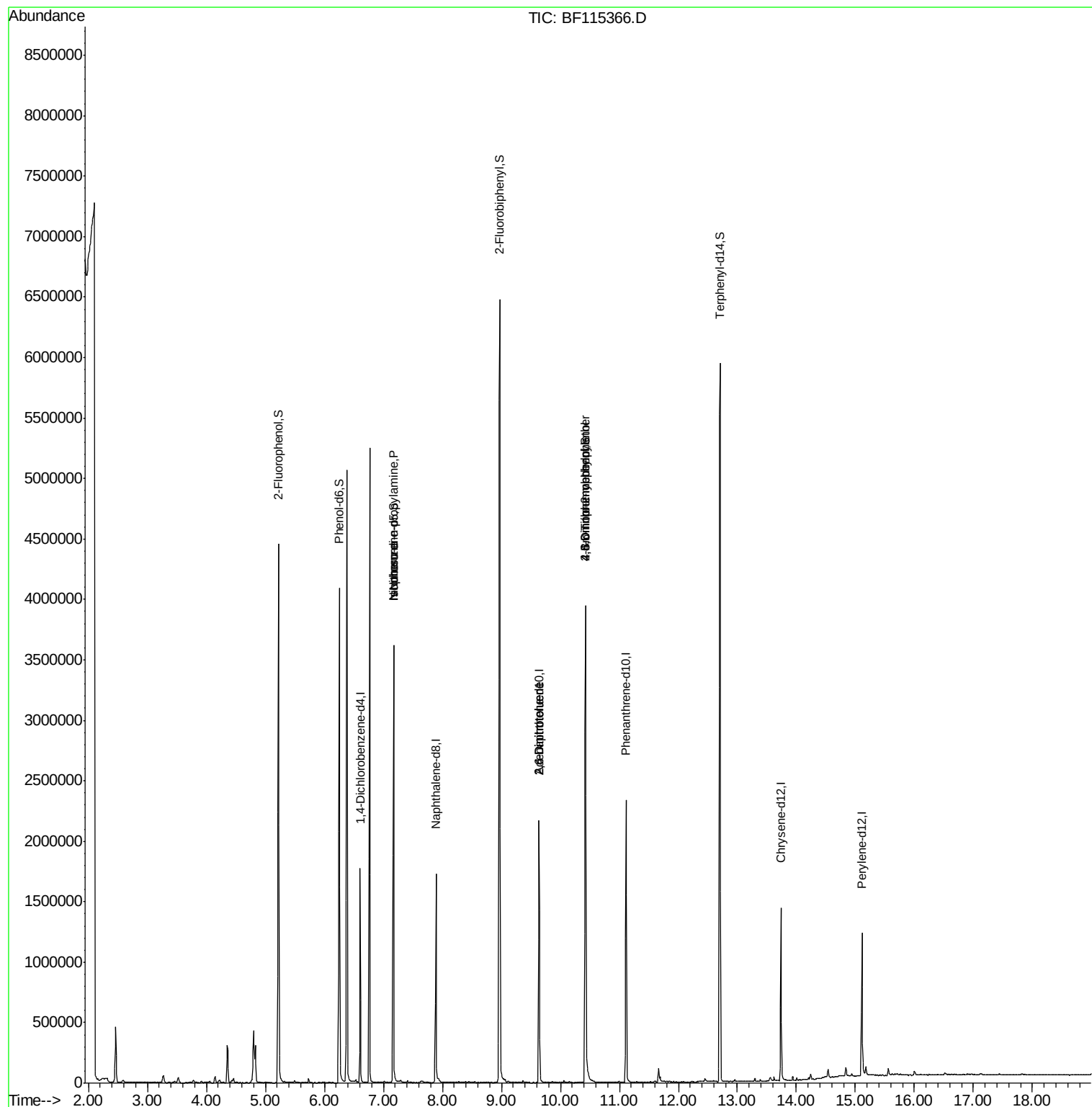
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	246805	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	941484	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	447786	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	842511	20.00	ng	0.02
76) Chrysene-d12	13.74	240	529961	20.00	ng	0.02
87) Perylene-d12	15.11	264	546837	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1530934	95.72	ng	0.04
7) Phenol-d6	6.25	99	1685664	86.84	ng	0.02
23) Nitrobenzene-d5	7.17	82	1324400	86.53	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	602628	127.62	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	2432260	92.26	ng	0.01
79) Terphenyl-d14	12.71	244	2274885	91.27	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.17	70	176807	14.227	ng	# 76
25) Isophorone	7.17	82	1303506	41.576	ng	# 63
51) 2,6-Dinitrotoluene	9.64	165	57277	7.531	ng	# 28
57) 2,4-Dinitrotoluene	9.64	165	57277	5.832	ng	# 30
58) Fluorene	10.42	166	26571	Below Cal		# 87
65) 4,6-Dinitro-2-methylphenol	10.42	198	1157	5.191	ng	# 1
67) 4-Bromophenyl-phenylether	10.42	248	38895	4.258	ng	# 1

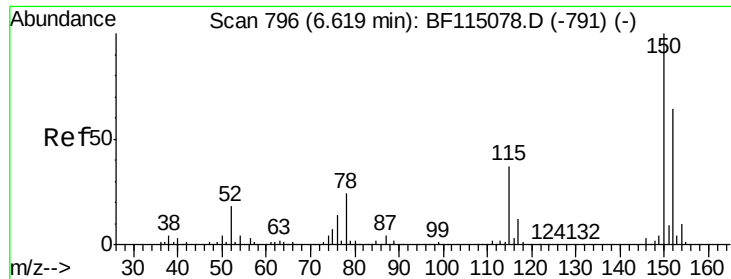
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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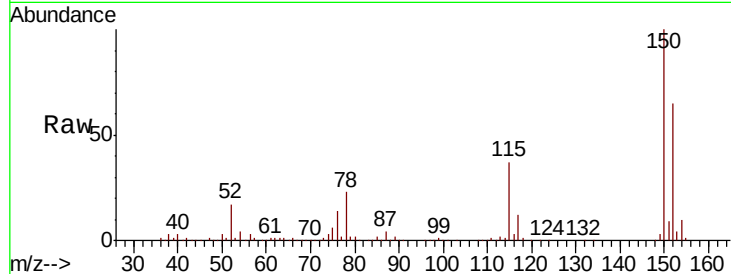


#1

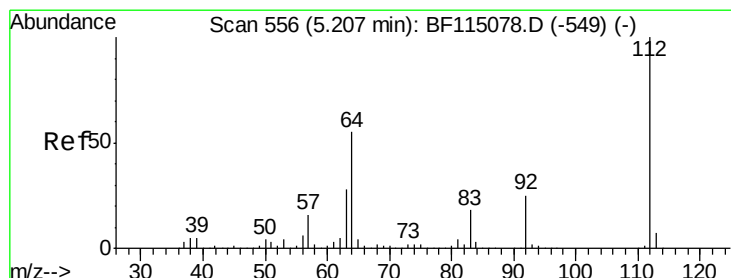
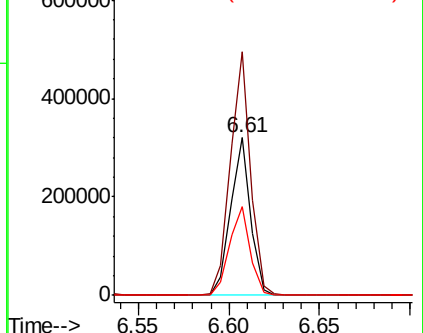
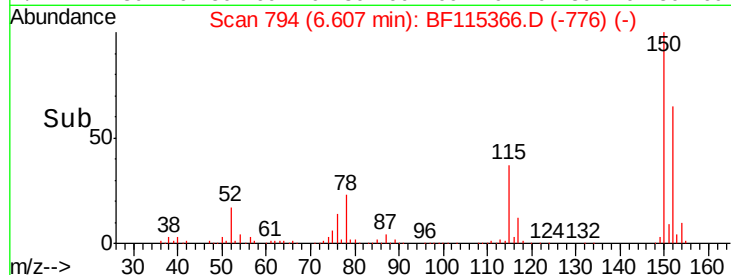
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115366.D
Acq: 2 Jul 2019 18:15

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

Tgt Ion:152 Resp: 246805
Ion Ratio Lower Upper
152 100
150 154.7 124.2 186.2
115 56.7 46.1 69.1



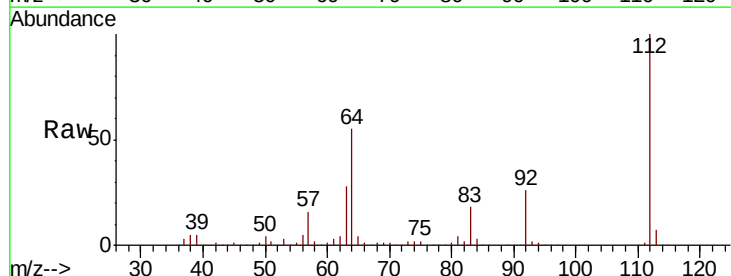
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



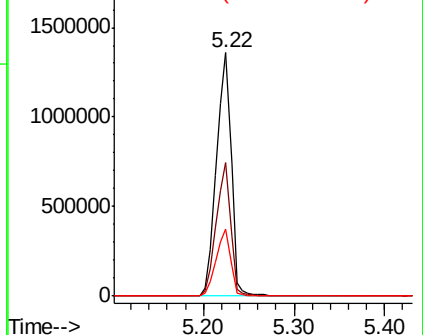
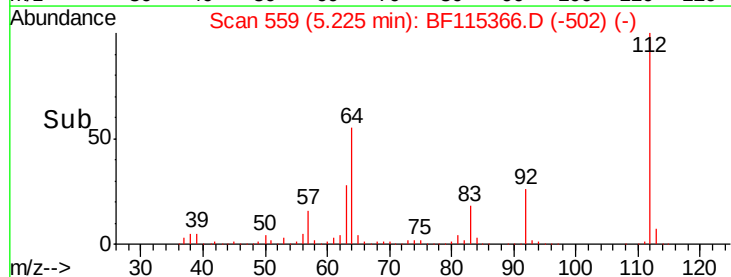
#5

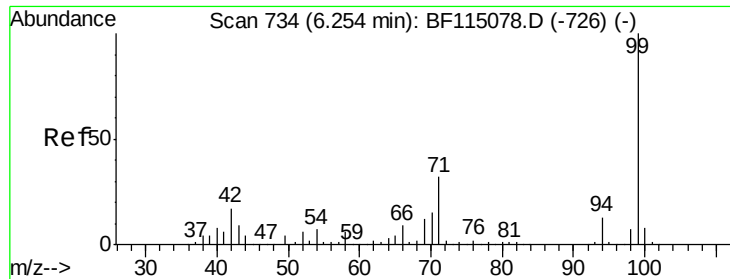
2-Fluorophenol
Concen: 95.723 ng
RT: 5.22 min Scan# 559
Delta R.T. 0.04 min
Lab File: BF115366.D
Acq: 2 Jul 2019 18:15

Tgt Ion:112 Resp: 1530934
Ion Ratio Lower Upper
112 100
64 54.6 43.8 65.6
63 27.6 22.2 33.4



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: 86.836 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

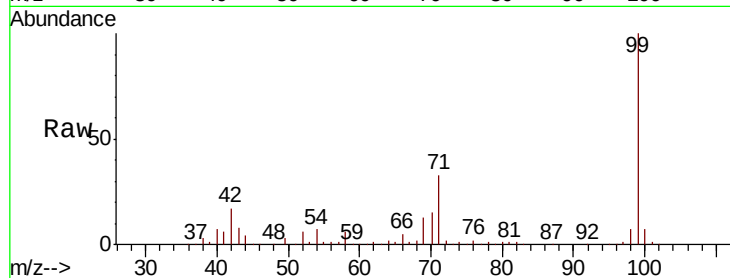
Tgt Ion: 99 Resp: 1685664

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

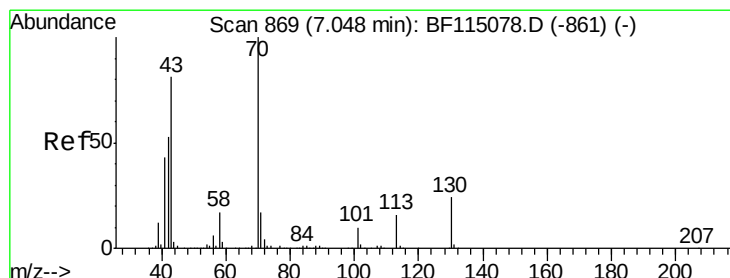
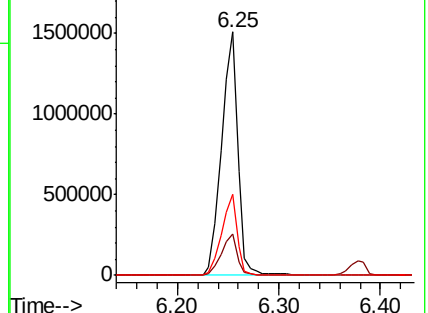
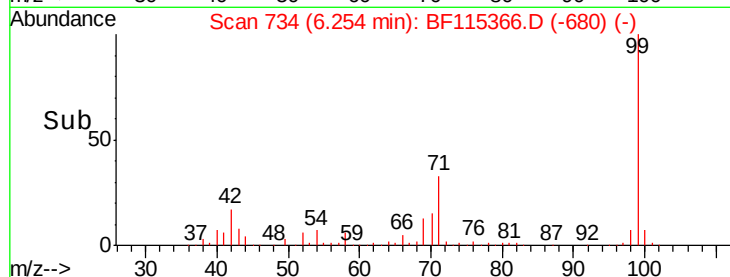
71 33.3 25.5 38.3



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: 14.227 ng

RT: 7.17 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

Tgt Ion: 70 Resp: 176807

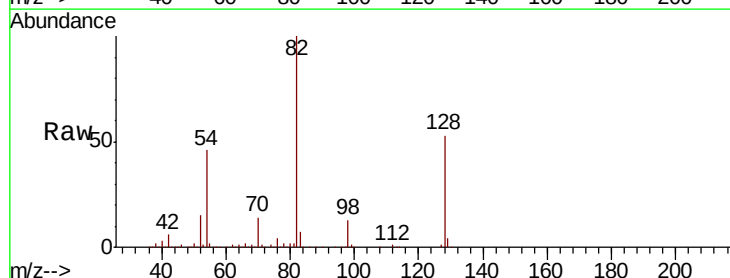
Ion Ratio Lower Upper

70 100

42 43.4 42.6 63.8

101 0.0 8.0 12.0#

130 2.5 19.4 29.0#

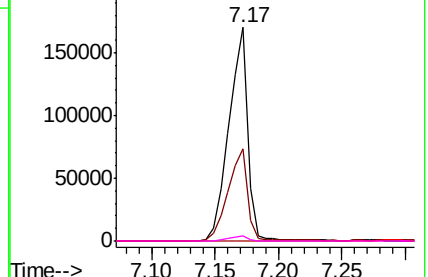
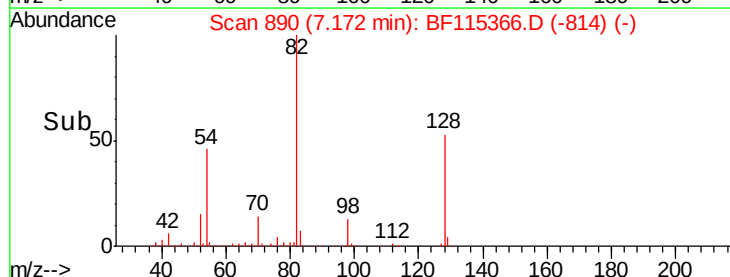


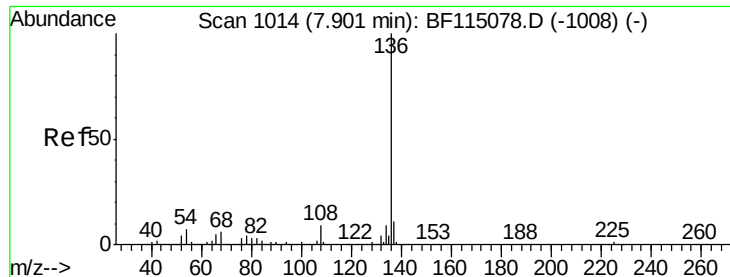
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

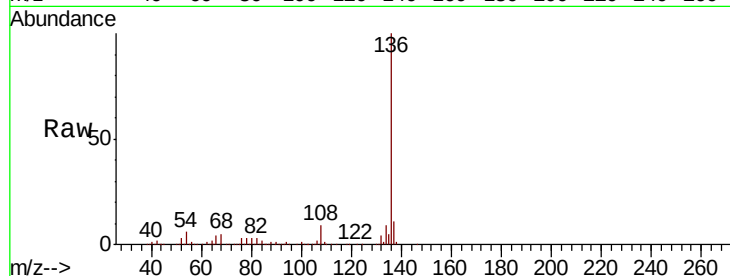




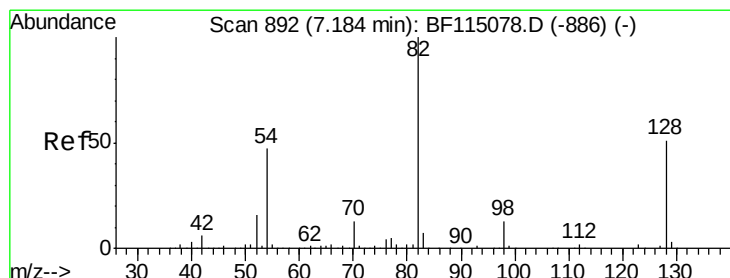
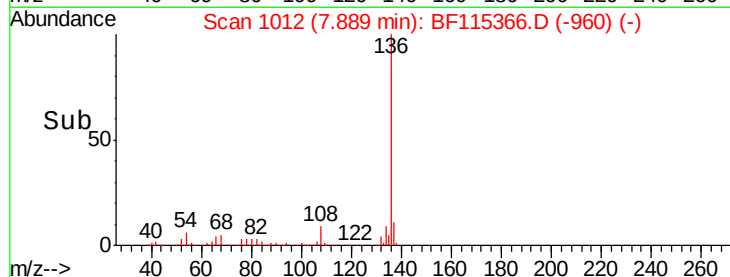
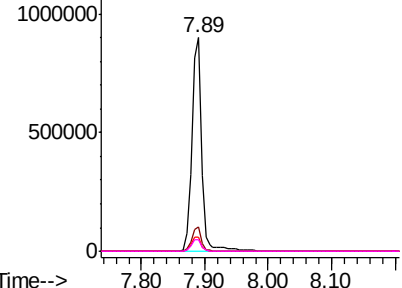
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF115366.D
Acq: 2 Jul 2019 18:15

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

Tgt Ion:	136	Resp:	941484
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.4	5.6	8.4
68	5.4	4.8	7.2

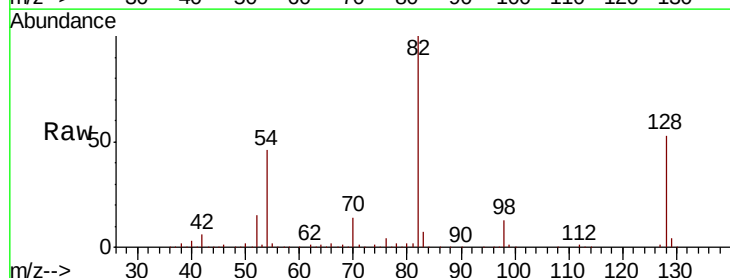


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

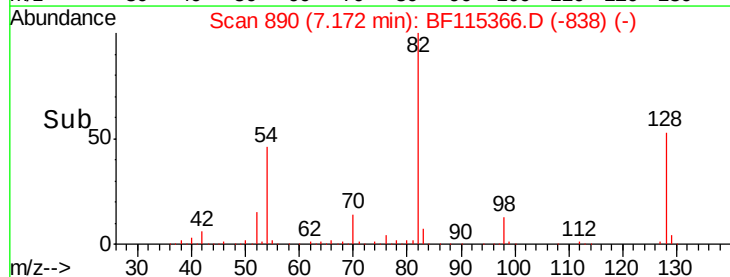
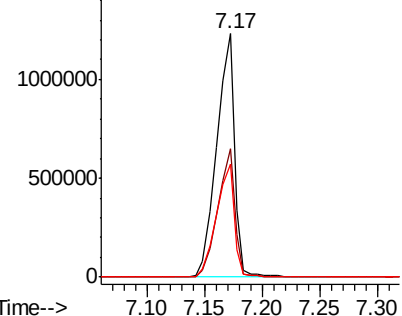


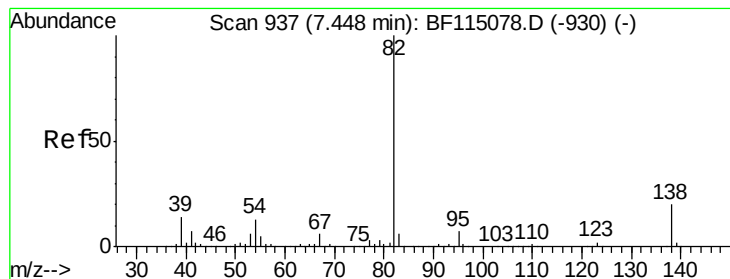
#23
Nitrobenzene-d5
Concen: 86.535 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF115366.D
Acq: 2 Jul 2019 18:15

Tgt Ion:	82	Resp:	1324400
Ion	Ratio	Lower	Upper
82	100		
128	52.6	40.4	60.6
54	46.4	37.5	56.3



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: 41.576 ng

RT: 7.17 min Scan# 890

Delta R.T. -0.25 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

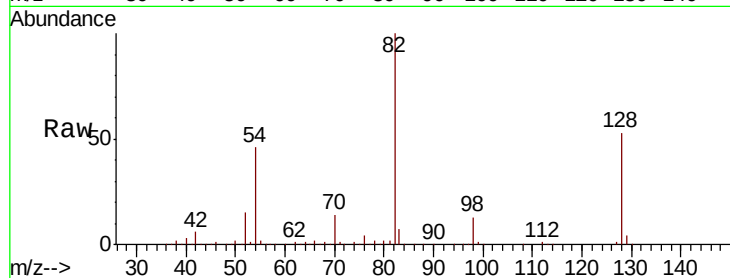
Tgt Ion: 82 Resp: 1303506

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

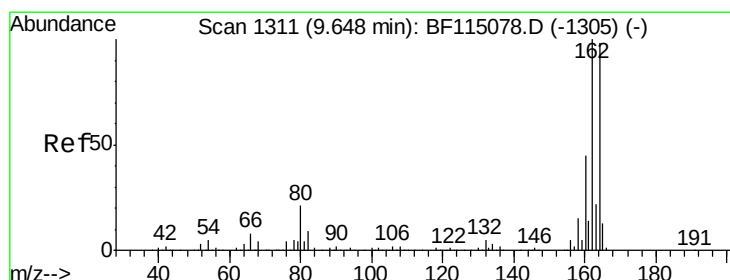
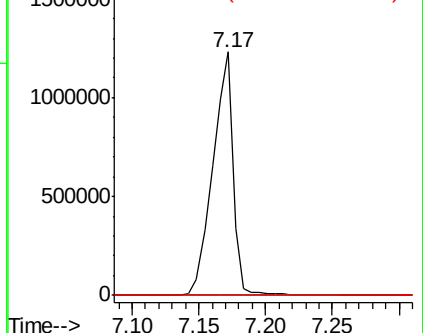
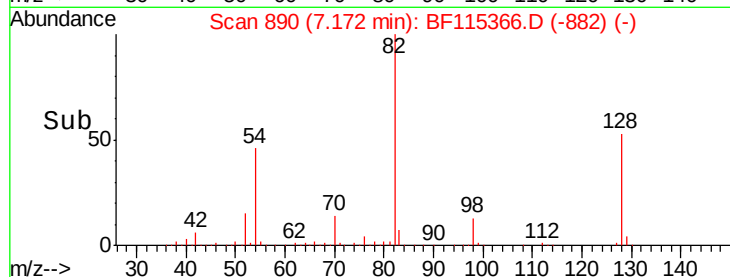
138 0.0 15.9 23.9#



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: 9.64 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

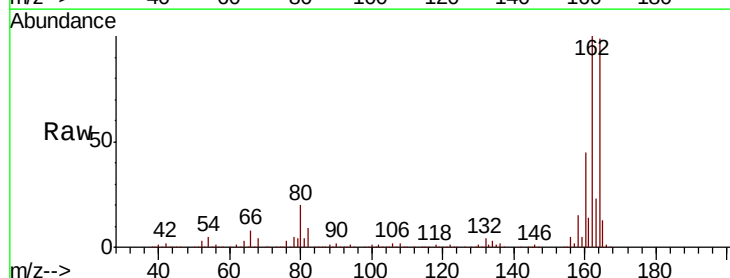
Tgt Ion: 164 Resp: 447786

Ion Ratio Lower Upper

164 100

162 100.9 81.7 122.5

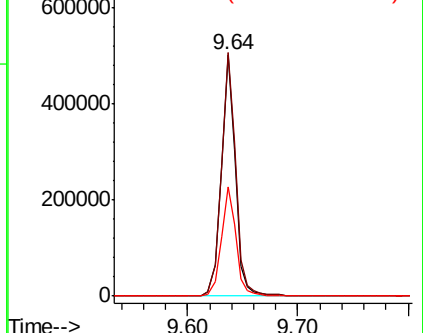
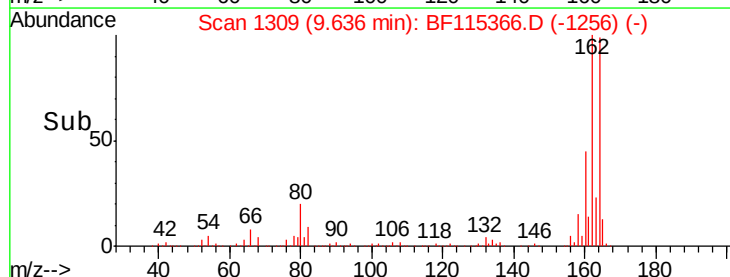
160 45.5 37.0 55.4

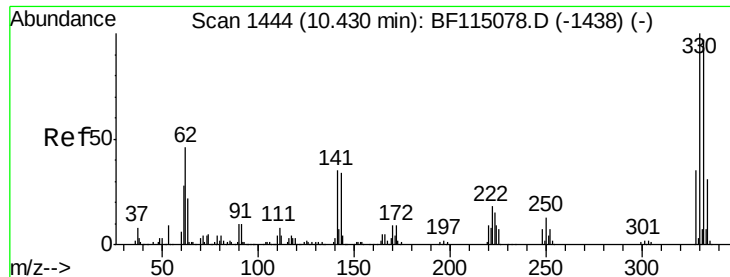


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 127.620 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.02 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

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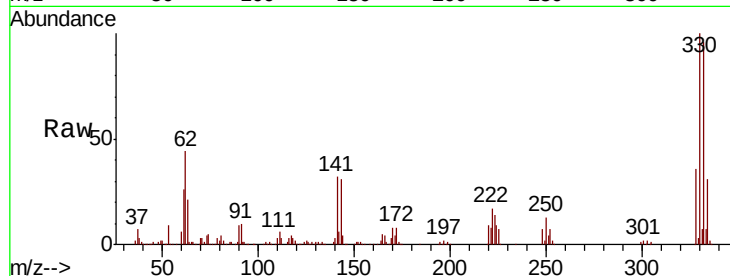
Tgt Ion:330 Resp: 602628

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

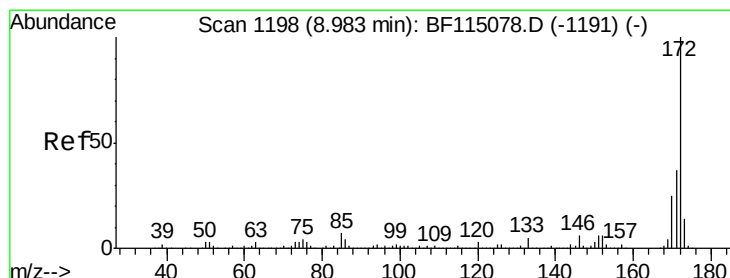
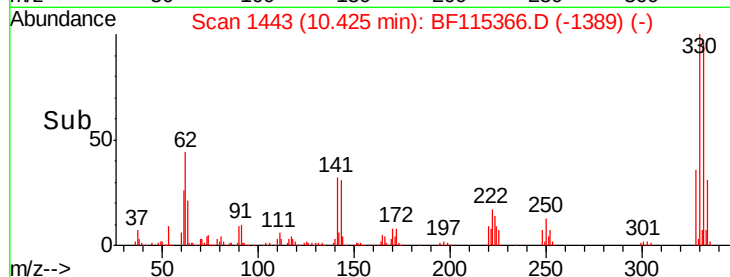
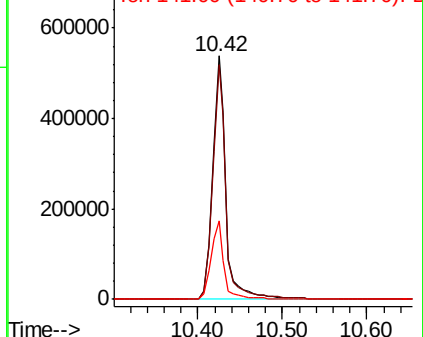
141 32.0 28.2 42.2



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: 92.265 ng

RT: 8.97 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

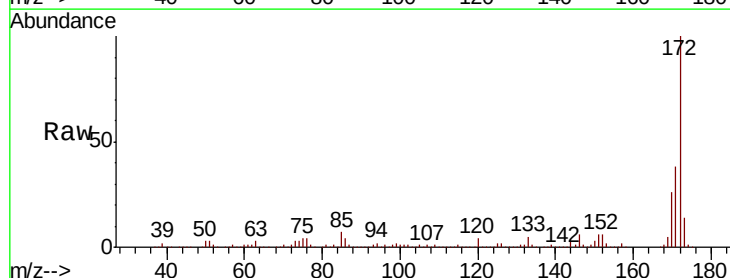
Tgt Ion:172 Resp: 2432260

Ion Ratio Lower Upper

172 100

171 37.6 29.8 44.6

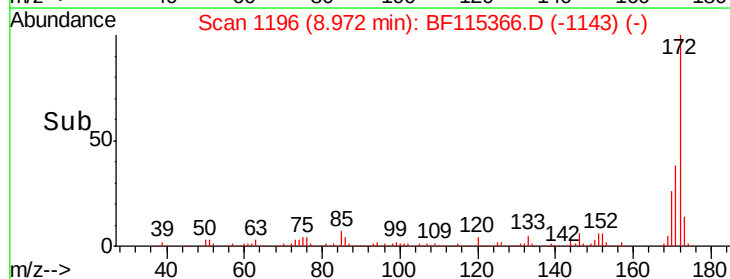
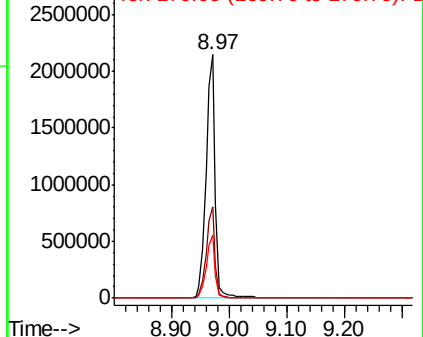
170 25.7 20.3 30.5

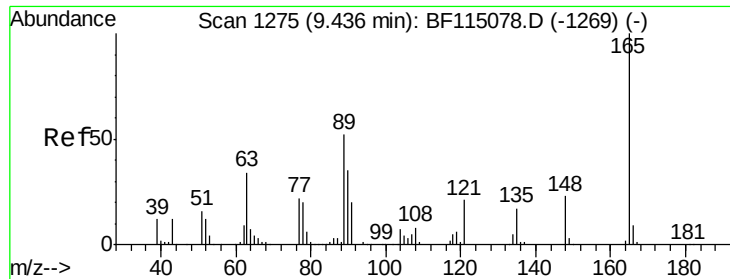


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

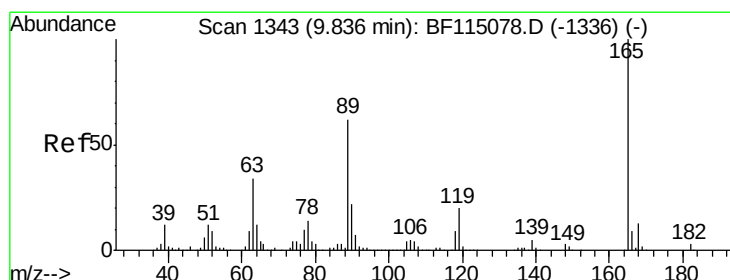
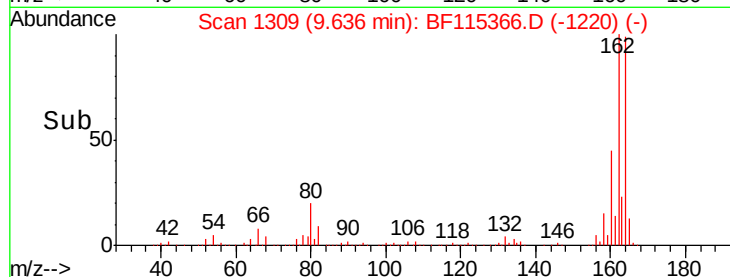
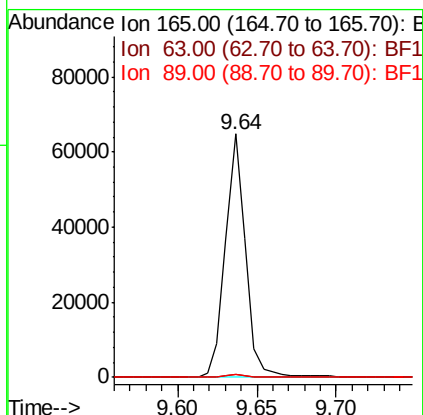
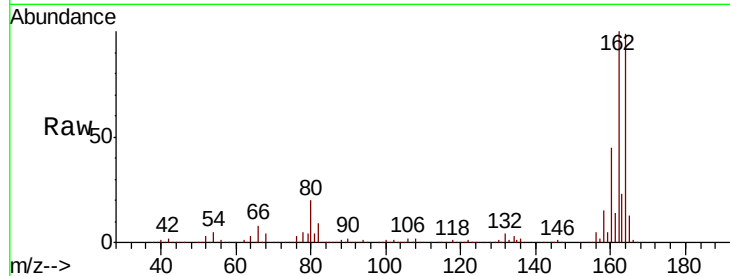




#51
 2,6-Dinitrotoluene
 Concen: 7.531 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. 0.22 min
 Lab File: BF115366.D
 Acq: 2 Jul 2019 18:15

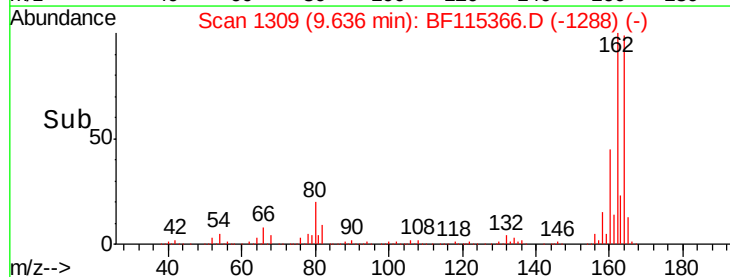
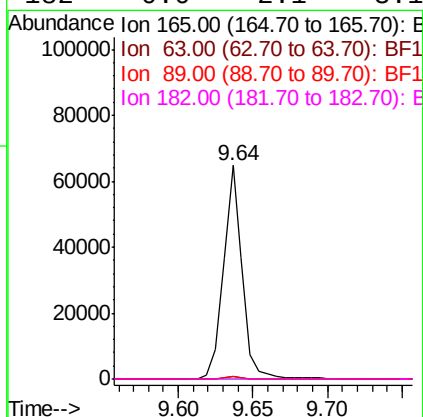
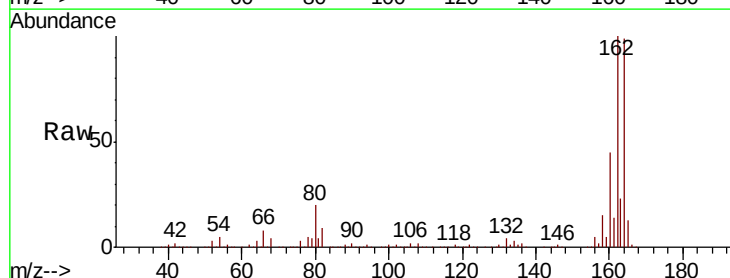
Instrument :
 BNA_F
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 EO-01-062819-C

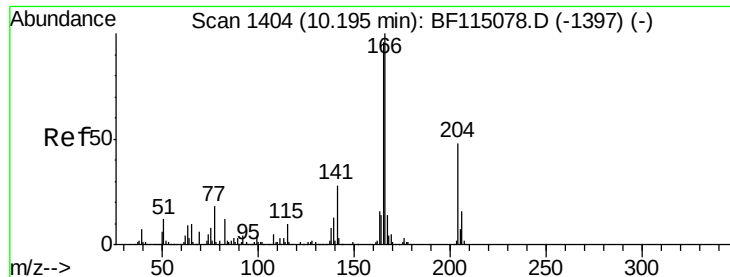
Tgt Ion:165 Resp: 57277
 Ion Ratio Lower Upper
 165 100
 63 1.1 39.4 59.2#
 89 1.2 42.0 63.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.832 ng
 RT: 9.64 min Scan# 1309
 Delta R.T. -0.18 min
 Lab File: BF115366.D
 Acq: 2 Jul 2019 18:15

Tgt Ion:165 Resp: 57277
 Ion Ratio Lower Upper
 165 100
 63 1.1 27.5 41.3#
 89 1.2 49.9 74.9#
 182 0.0 2.1 3.1#





#58

Fluorene

Concen: Below Cal

RT: 10.42 min Scan# 1443

Delta R.T. 0.25 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

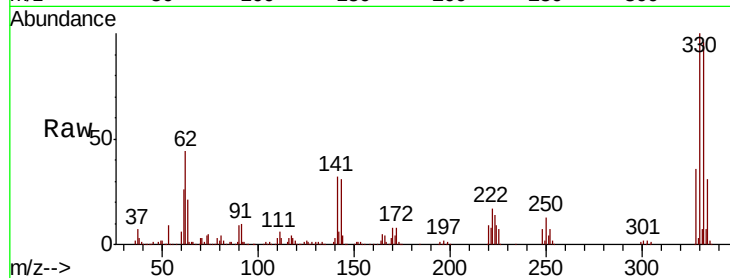
Tgt Ion:166 Resp: 26571

Ion Ratio Lower Upper

166 100

165 104.0 76.5 114.7

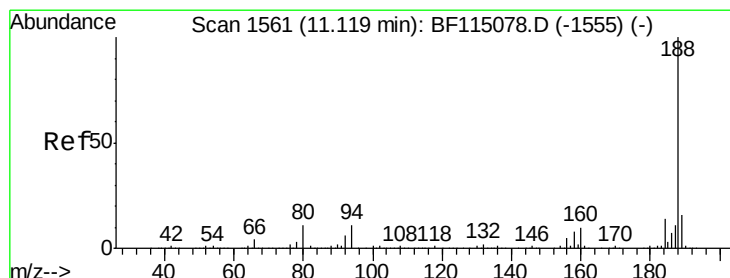
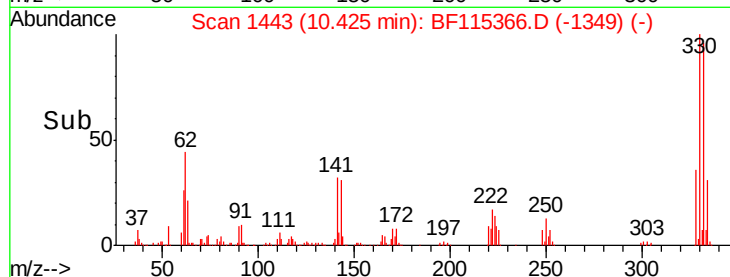
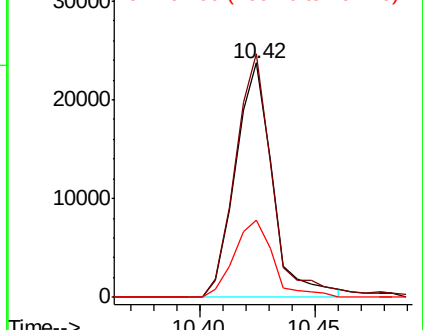
167 32.9 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1560

Delta R.T. 0.02 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

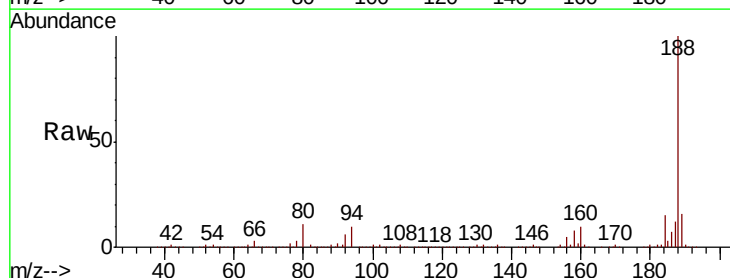
Tgt Ion:188 Resp: 842511

Ion Ratio Lower Upper

188 100

94 9.9 8.6 12.8

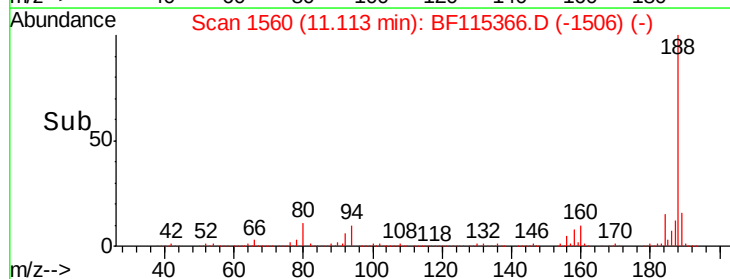
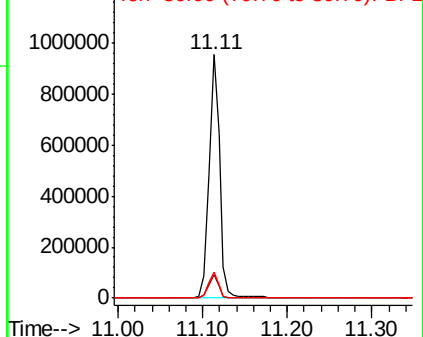
80 10.6 8.8 13.2

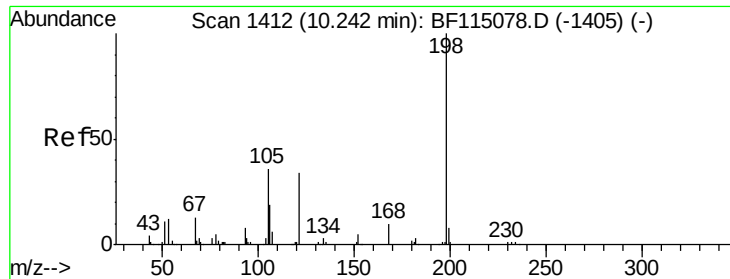


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.191 ng

RT: 10.42 min Scan# 1443

Delta R.T. 0.21 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

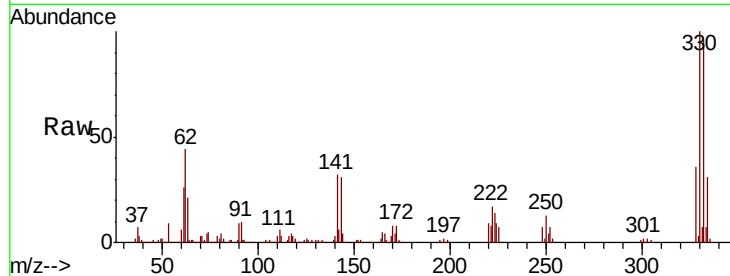
Tgt Ion:198 Resp: 1157

Ion Ratio Lower Upper

198 100

51 156.8 11.0 51.0#

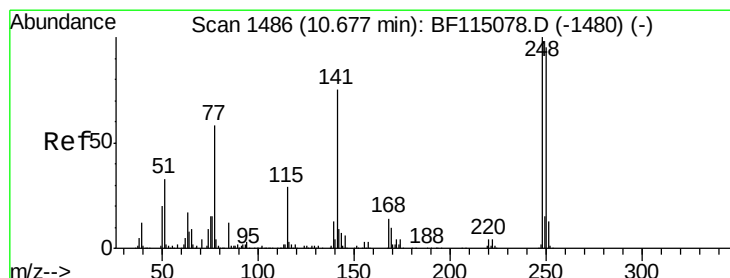
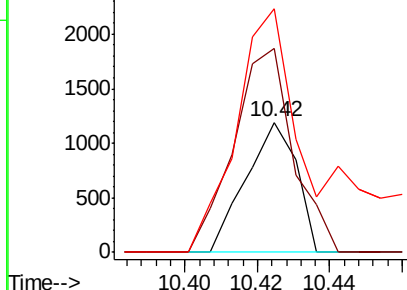
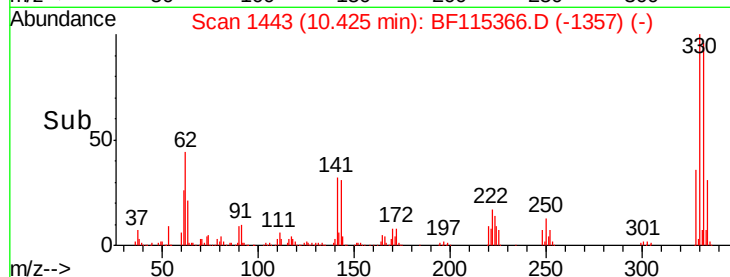
105 187.7 17.3 57.3#



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



#67

4-Bromophenyl-phenylether

Concen: 4.258 ng

RT: 10.42 min Scan# 1443

Delta R.T. -0.23 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

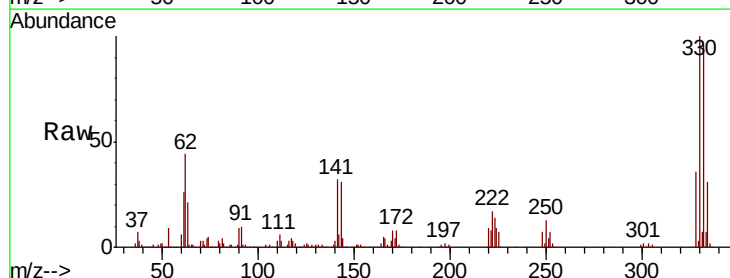
Tgt Ion:248 Resp: 38895

Ion Ratio Lower Upper

248 100

250 195.5 76.2 114.2#

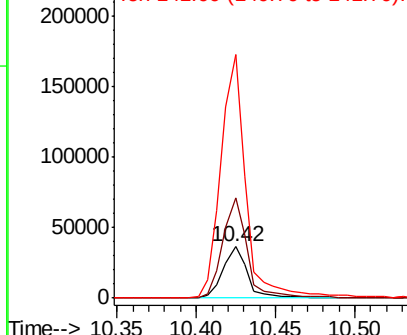
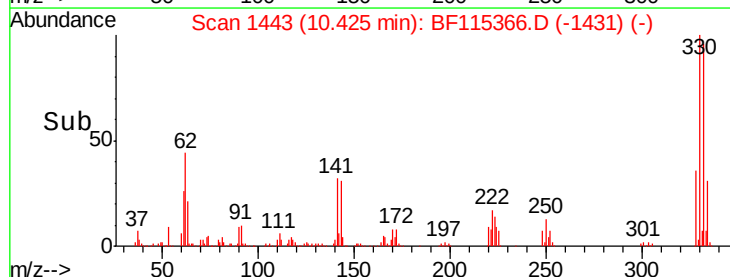
141 475.4 59.6 89.4#

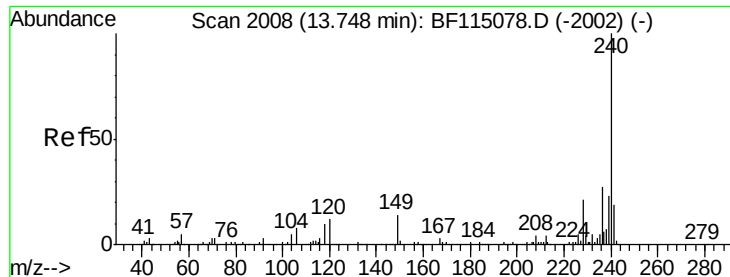


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.74 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

Instrument :

BNA_F

ClientSampleId :

EO-01-062819-C

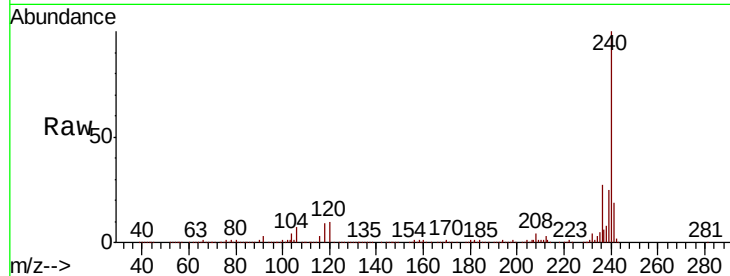
Tgt Ion:240 Resp: 529961

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

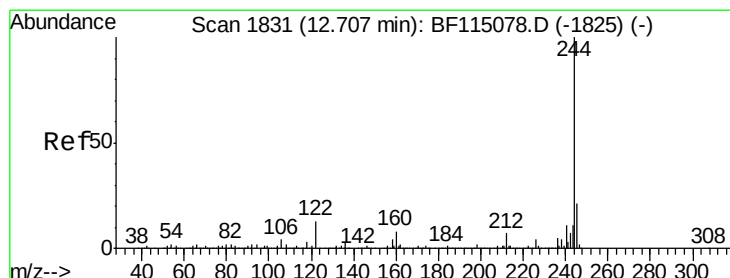
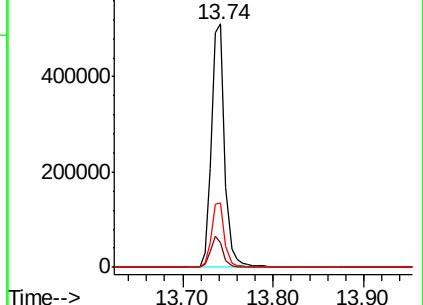
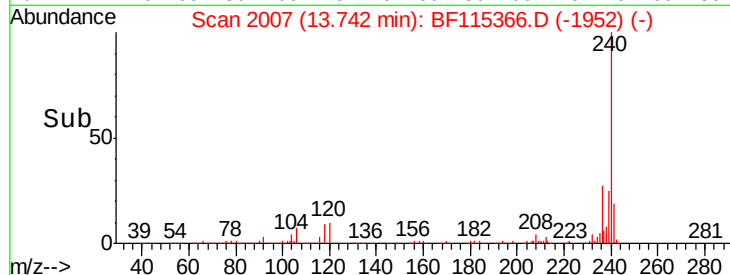
236 26.6 21.7 32.5



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: 91.266 ng

RT: 12.71 min Scan# 1831

Delta R.T. 0.02 min

Lab File: BF115366.D

Acq: 2 Jul 2019 18:15

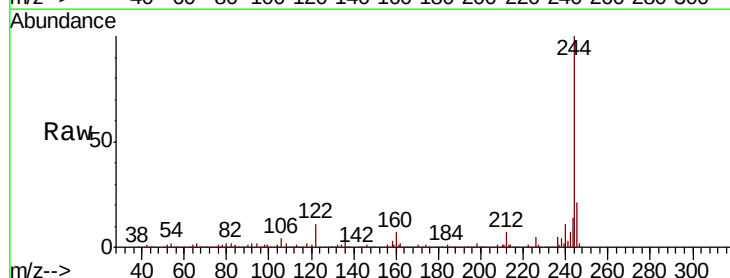
Tgt Ion:244 Resp: 2274885

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

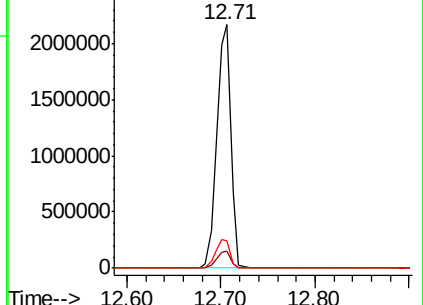
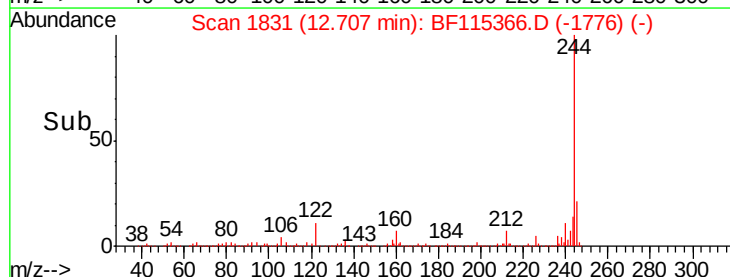
122 11.2 10.4 15.6

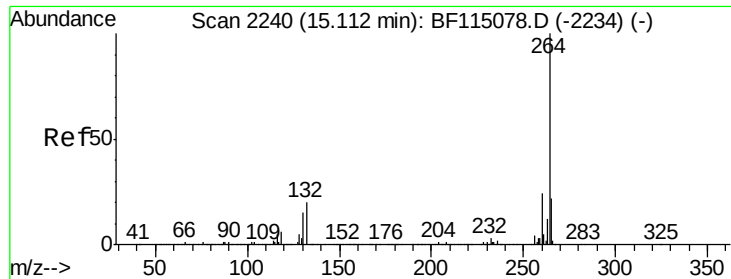


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.11 min Scan# 2240
Delta R.T. 0.03 min
Lab File: BF115366.D
Acq: 2 Jul 2019 18:15

Instrument :
BNA_F
ClientSampleId :
EO-01-062819-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	22.0	17.3	25.9

