

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115357.D
 Acq On : 2 Jul 2019 12:44
 Operator : HP/JU
 Sample : K3557-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-EW03-TRENCH

Quant Time: Jul 02 14:36:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 02 12:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	190153	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	728463	20.00	ng	-0.01
39) Acenaphthene-d10	9.62	164	365177	20.00	ng	-0.01
64) Phenanthrene-d10	11.10	188	729310	20.00	ng	0.00
76) Chrysene-d12	13.72	240	591067	20.00	ng	-0.01
87) Perylene-d12	15.09	264	533521	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	1305105	105.91	ng	0.02
7) Phenol-d6	6.25	99	1490303	99.64	ng	0.00
23) Nitrobenzene-d5	7.16	82	1069655	90.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.41	330	558081	144.92	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	2054197	95.55	ng	0.00
79) Terphenyl-d14	12.69	244	2456037	88.35	ng	0.00

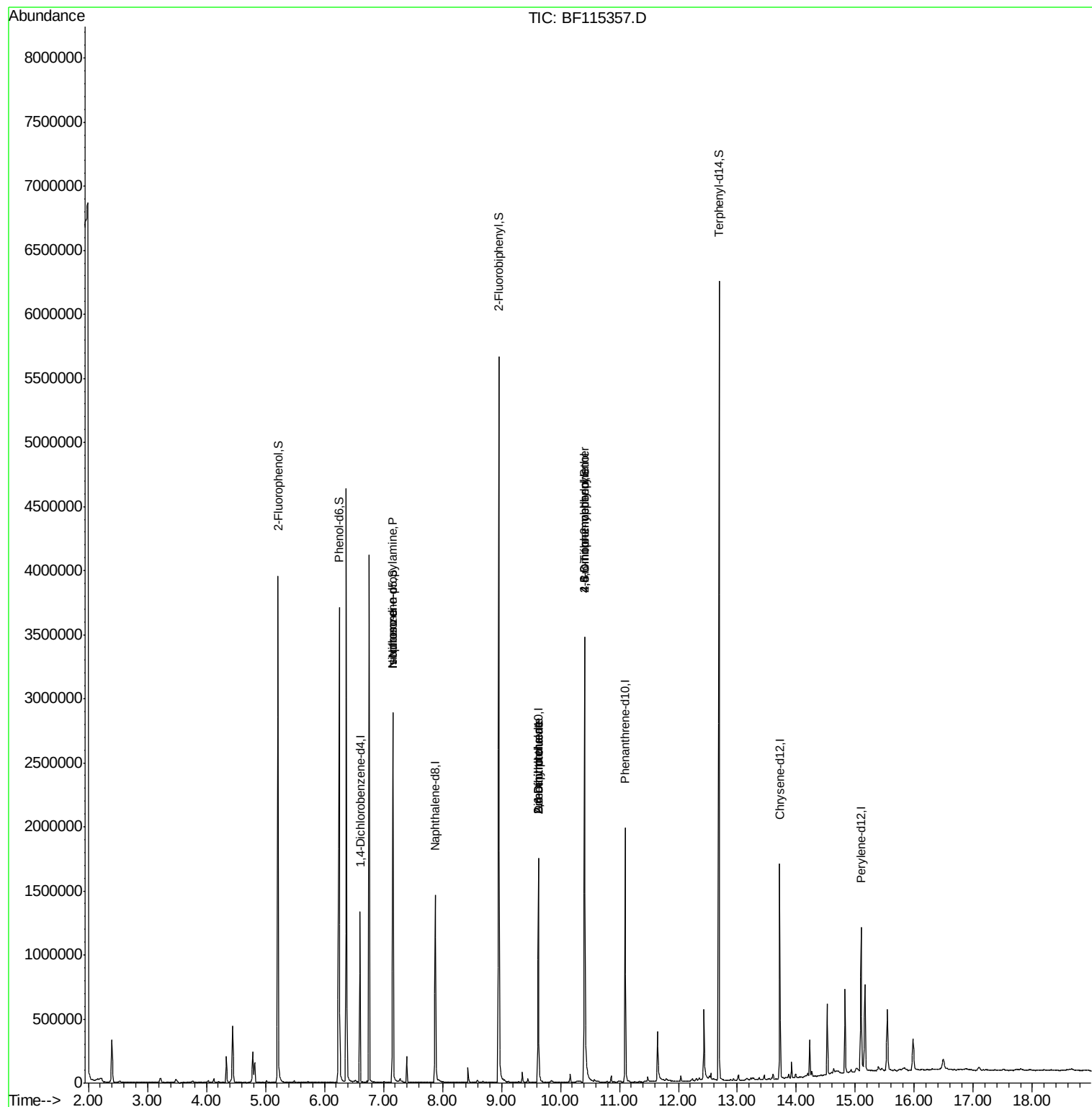
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	142084	14.839	ng	# 76
25) Isophorone	7.16	82	1069799	44.100	ng	# 63
50) Dimethylphthalate	9.62	163	97207	3.618	ng	# 1
51) 2,6-Dinitrotoluene	9.62	165	46225	7.452	ng	# 30
57) 2,4-Dinitrotoluene	9.62	165	46225	5.772	ng	# 27
58) Fluorene	10.17	166	2874	Below Cal		86
65) 4,6-Dinitro-2-methylphenol	10.41	198	995	5.190	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	35393	4.476	ng	# 1

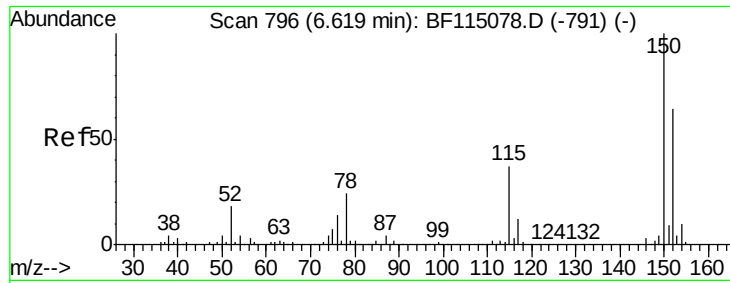
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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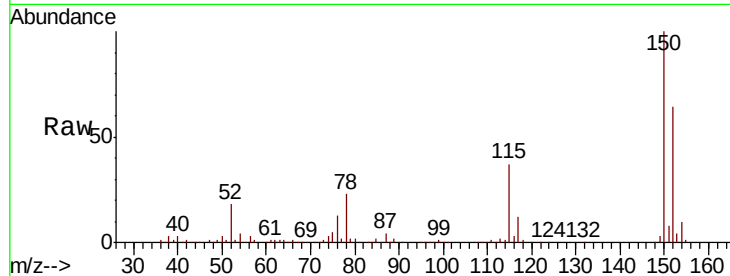


#1

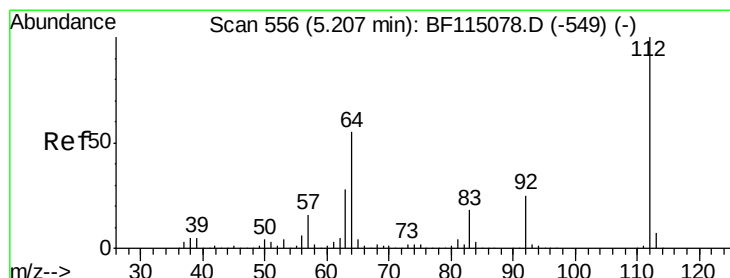
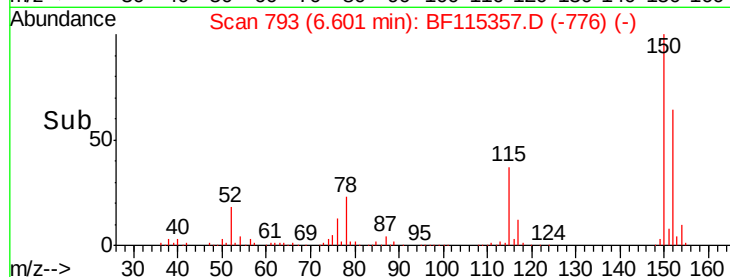
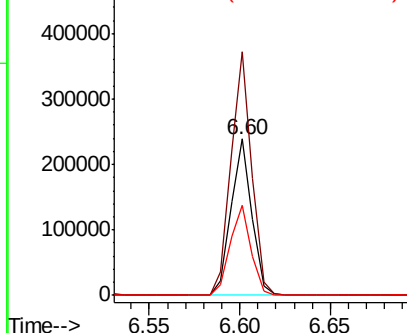
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115357.D
Acq: 2 Jul 2019 12:44

Instrument :
BNA_F
ClientSampleId :
IDW-EW03-TRENCH

Tot Ion:152 Resp: 190153
Ion Ratio Lower Upper
152 100
150 155.9 125.2 187.8
115 57.7 48.2 72.2



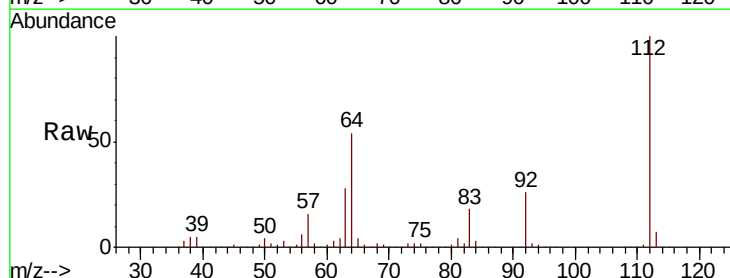
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



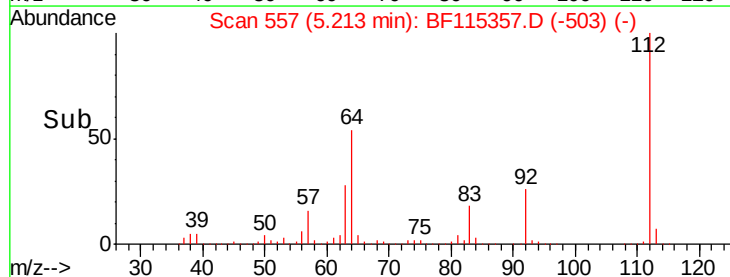
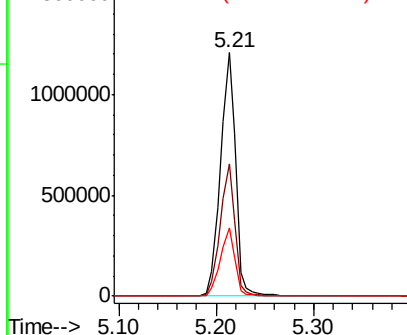
#5

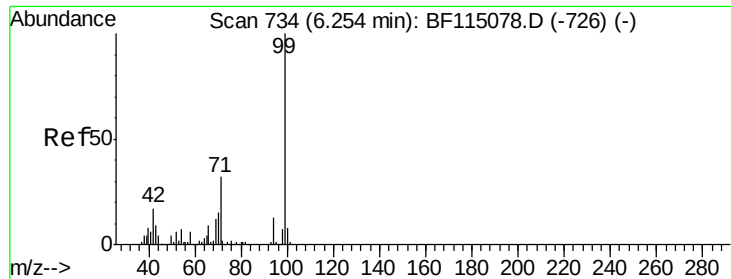
2-Fluorophenol
Concen: 105.915 ng
RT: 5.21 min Scan# 557
Delta R.T. 0.02 min
Lab File: BF115357.D
Acq: 2 Jul 2019 12:44

Tgt Ion:112 Resp: 1305105
Ion Ratio Lower Upper
112 100
64 54.4 44.2 66.2
63 27.9 22.3 33.5



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: 99.645 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

Instrument :

BNA_F

ClientSampleId :

IDW-EW03-TRENCH

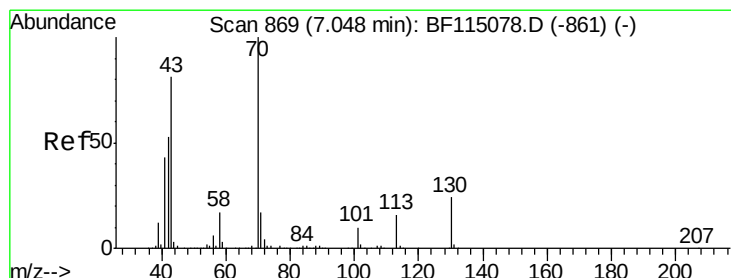
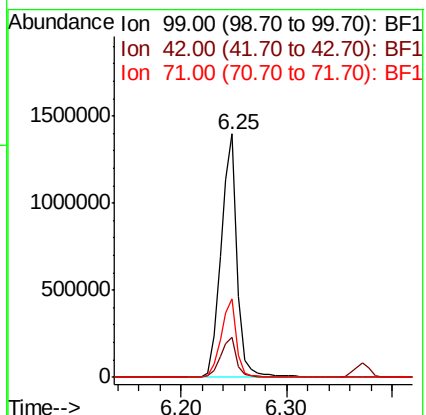
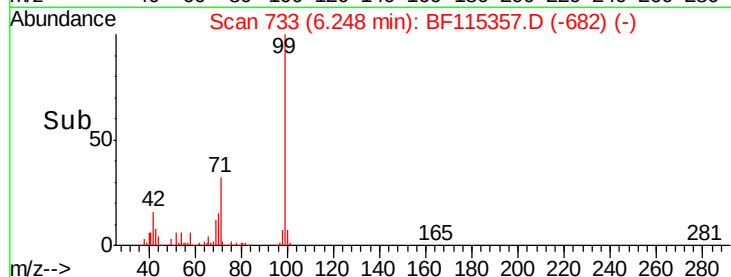
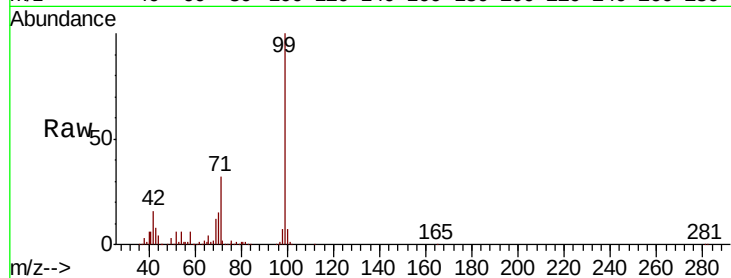
Tot Ion: 99 Resp: 1490303

Ion Ratio Lower Upper

99 100

42 16.2 13.4 20.2

71 32.2 25.4 38.2



#19

n-Nitroso-di-n-propylamine

Concen: 14.839 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.13 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

Tgt Ion: 70 Resp: 142084

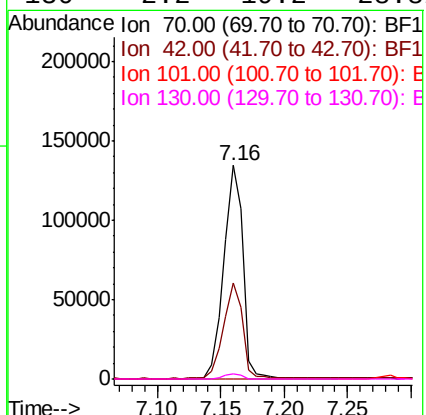
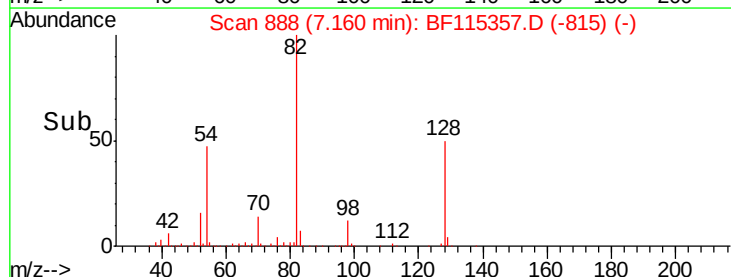
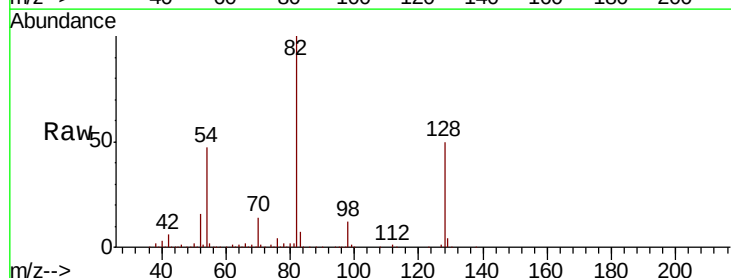
Ion Ratio Lower Upper

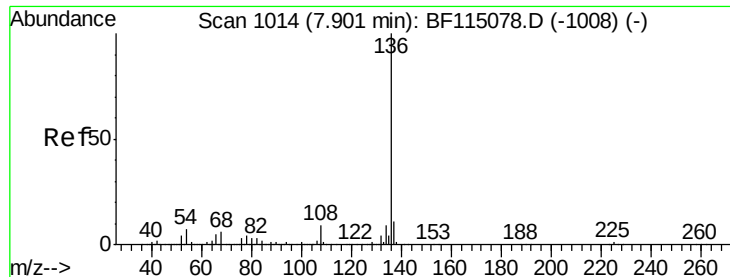
70 100

42 44.9 44.3 66.5

101 0.0 7.8 11.8#

130 2.2 19.2 28.8#

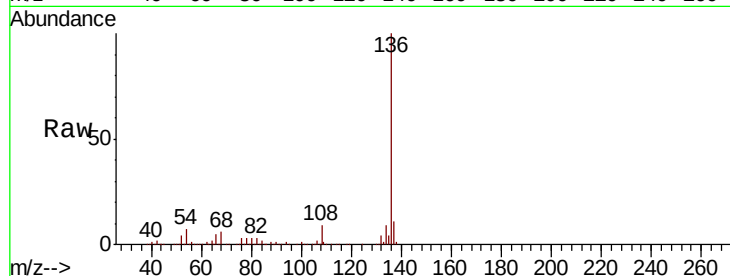




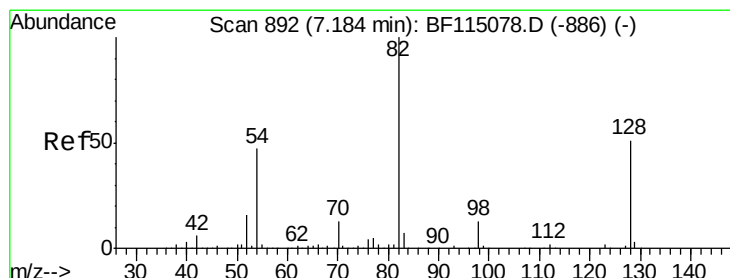
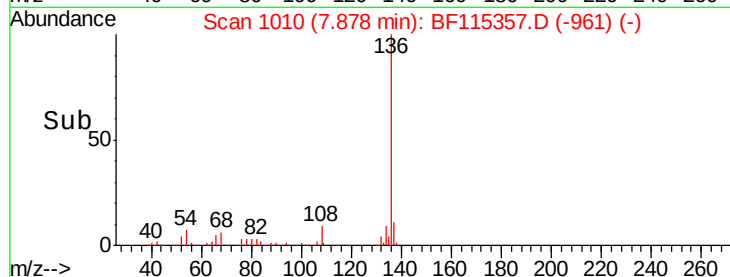
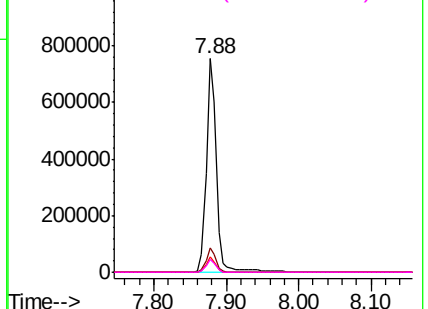
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115357.D
Acq: 2 Jul 2019 12:44

Instrument :
BNA_F
ClientSampleId :
IDW-EW03-TRENCH

Tot Ion:136	Resp:	728463	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.9	13.3	
54 7.1	5.1	7.7	
68 6.2	4.3	6.5	

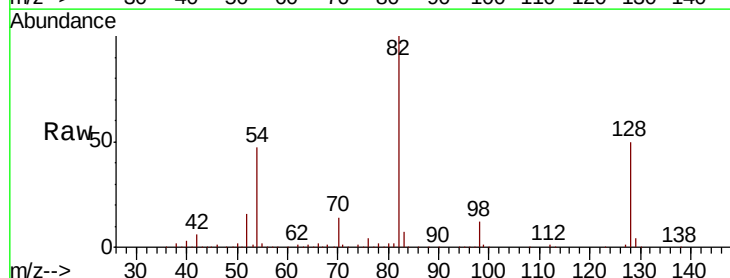


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

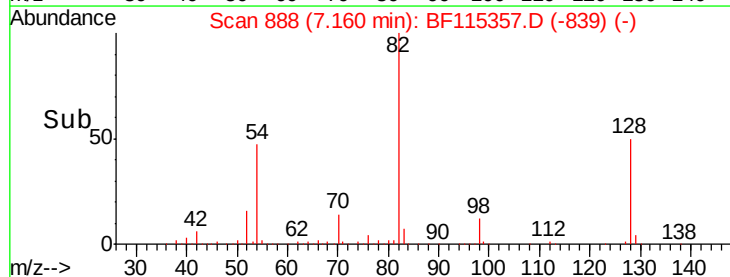
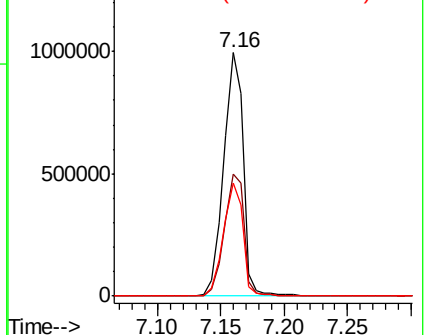


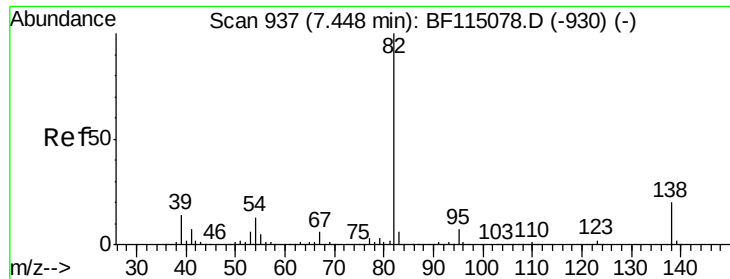
#23
Nitrobenzene-d5
Concen: 90.327 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115357.D
Acq: 2 Jul 2019 12:44

Tgt	Ion: 82	Resp: 1069655	
Ion	Ratio	Lower	Upper
82	100		
128	49.9	40.8	61.2
54	46.7	37.0	55.4



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: 44.100 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

Instrument :

BNA_F

ClientSampleId :

IDW-EW03-TRENCH

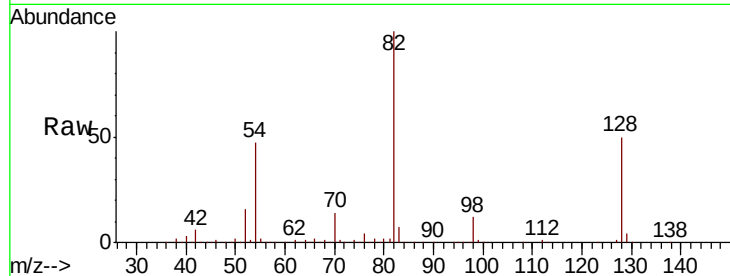
Tot Ion: 82 Resp: 1069799

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

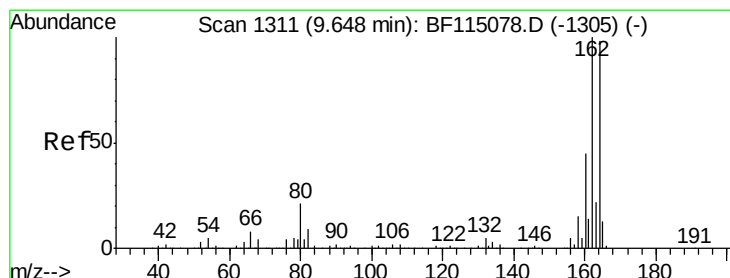
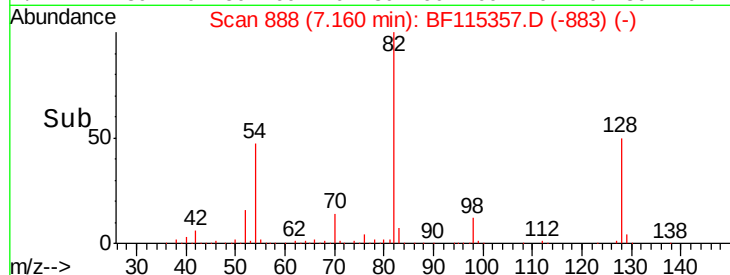
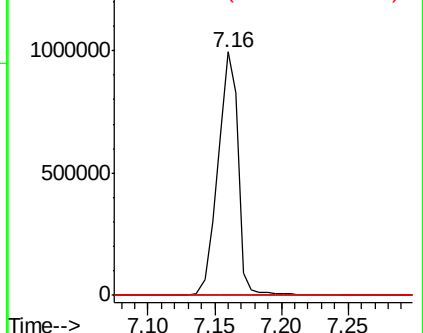
138 0.0 15.4 23.2#



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: 9.62 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

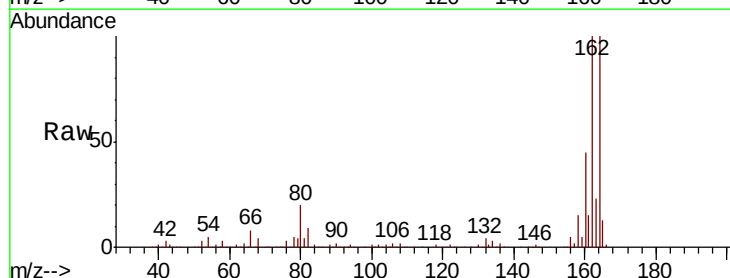
Tgt Ion:164 Resp: 365177

Ion Ratio Lower Upper

164 100

162 100.2 82.0 123.0

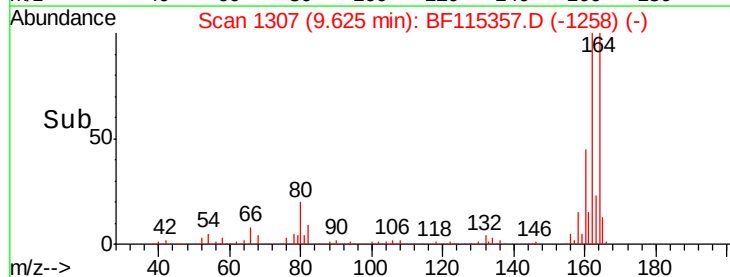
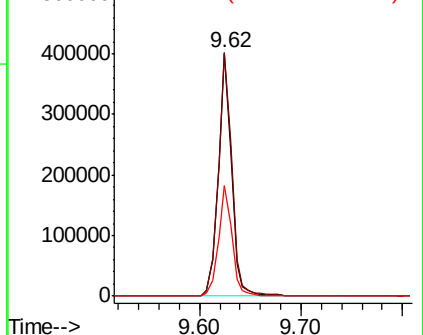
160 45.3 37.0 55.6

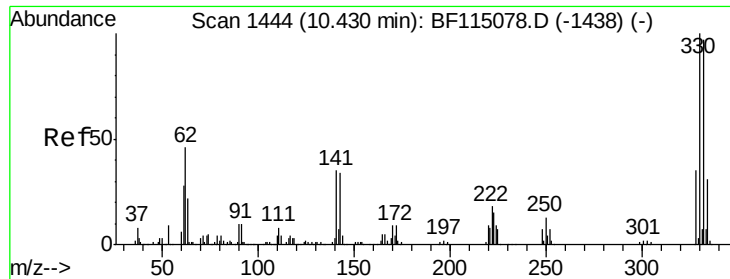


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

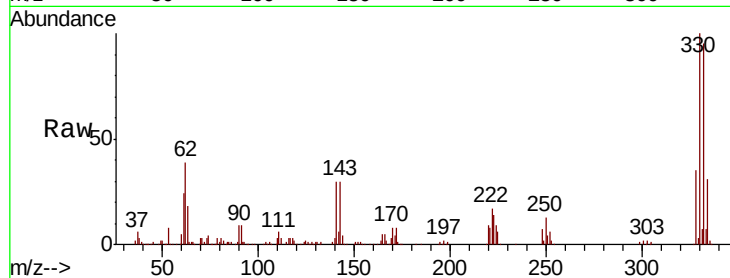




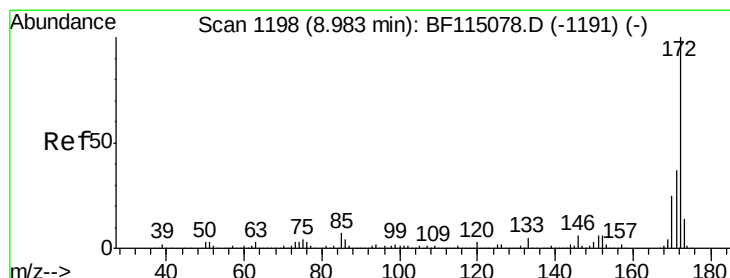
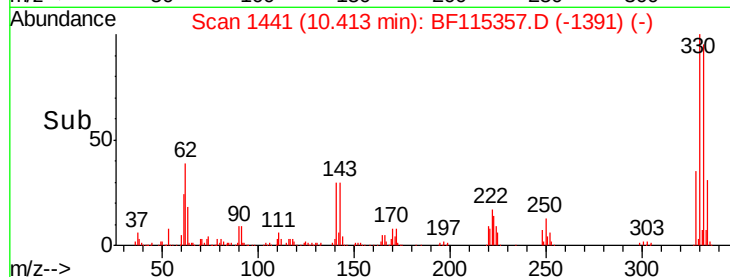
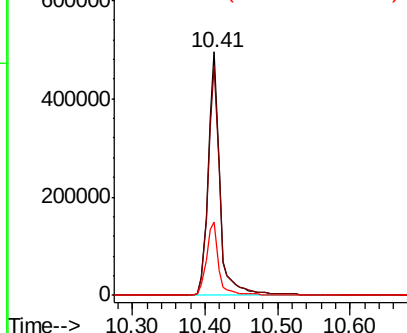
#42
 2,4,6-Tribromophenol
 Concen: 144.921 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF115357.D
 Acq: 2 Jul 2019 12:44

Instrument :
 BNA_F
 ClientSampleId :
 IDW-EW03-TRENCH

Tot Ion:330 Resp: 558081
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 32.2 25.4 38.2

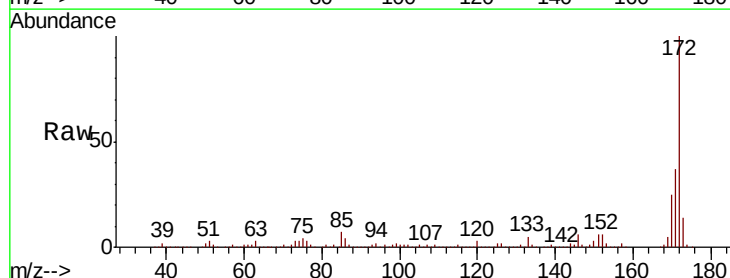


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

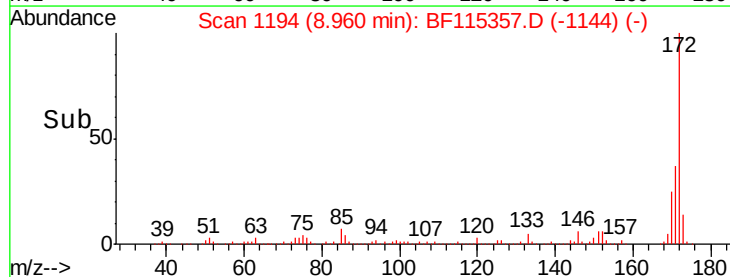
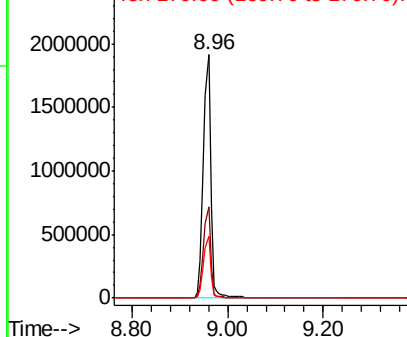


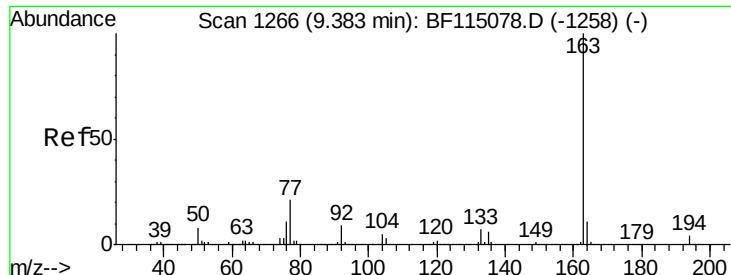
#45
 2-Fluorobiphenyl
 Concen: 95.551 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF115357.D
 Acq: 2 Jul 2019 12:44

Tgt Ion:172 Resp: 2054197
 Ion Ratio Lower Upper
 172 100
 171 37.4 29.8 44.8
 170 25.3 20.2 30.4



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: 3.618 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.25 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

Instrument :

BNA_F

ClientSampleId :

IDW-EW03-TRENCH

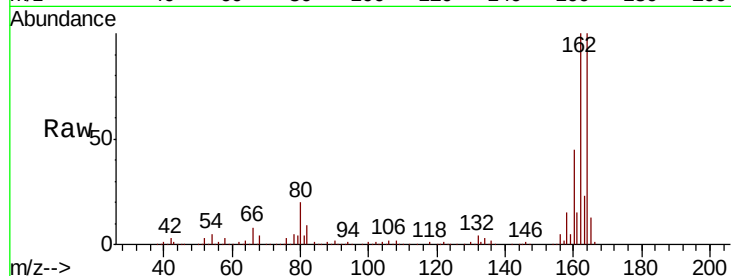
Tot Ion:163 Resp: 97207

Ion Ratio Lower Upper

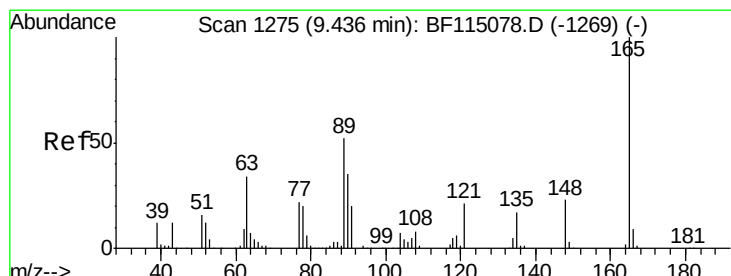
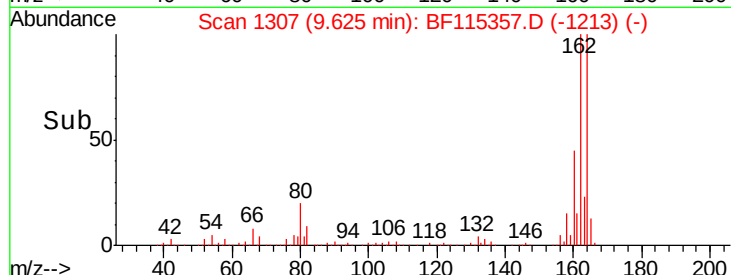
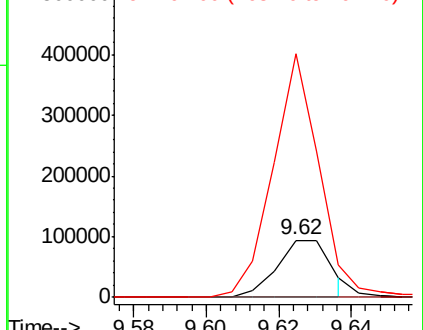
163 100

194 0.0 3.4 5.0#

164 426.5 8.0 12.0#



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: 7.452 ng

RT: 9.62 min Scan# 1307

Delta R.T. 0.20 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

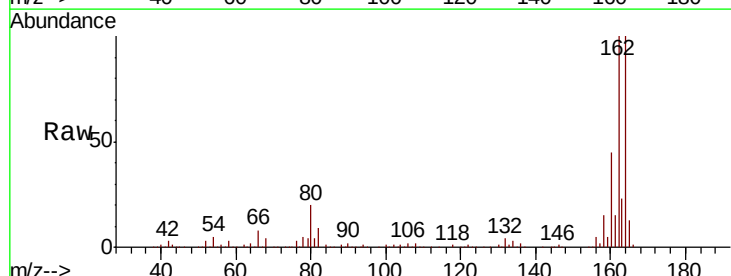
Tgt Ion:165 Resp: 46225

Ion Ratio Lower Upper

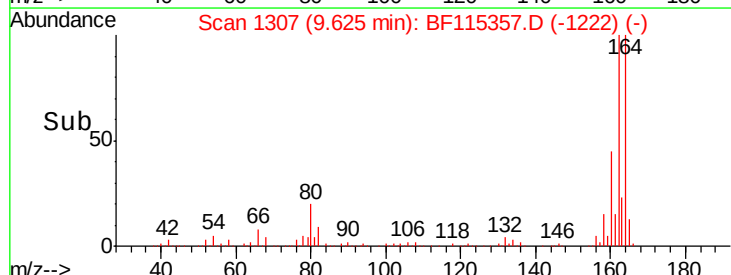
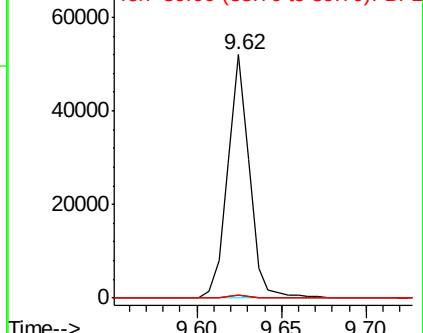
165 100

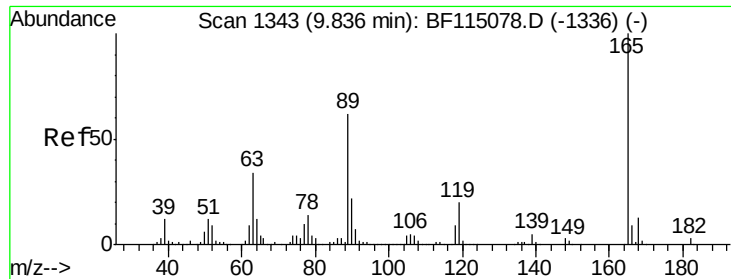
63 1.2 37.0 55.4#

89 1.1 40.4 60.6#



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: 5.772 ng

RT: 9.62 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

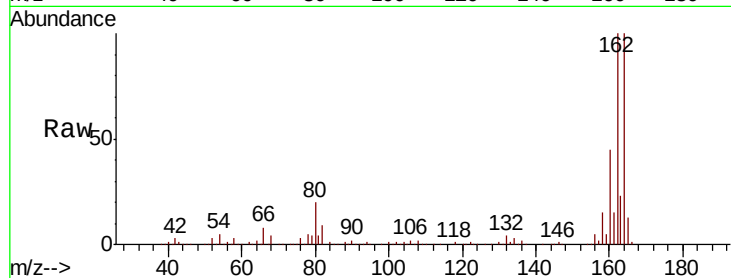
Instrument :

BNA_F

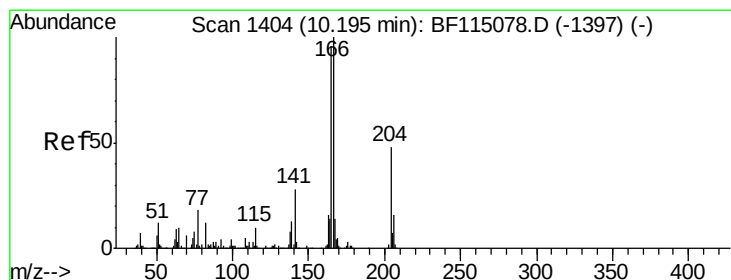
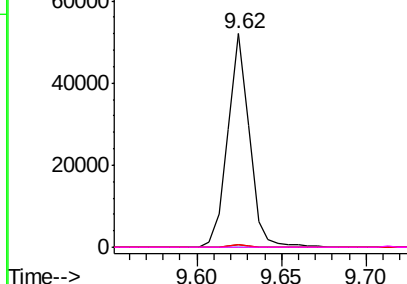
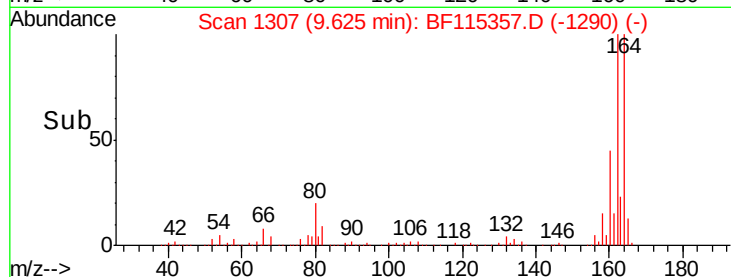
ClientSampleId :

IDW-EW03-TRENCH

Tot Ion:165	Resp:	46225
Ion Ratio	Lower	Upper
165	100	
63	1.2	31.2 46.8#
89	1.1	52.8 79.2#
182	0.0	2.2 3.2#



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



#58

Fluorene

Concen: Below Cal

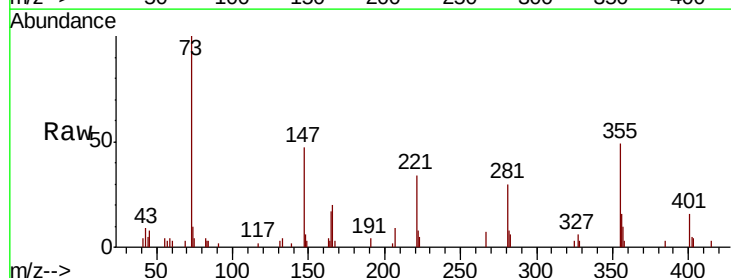
RT: 10.17 min Scan# 1399

Delta R.T. -0.02 min

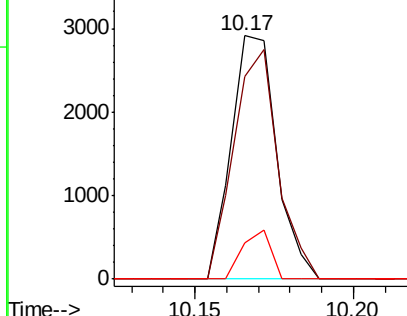
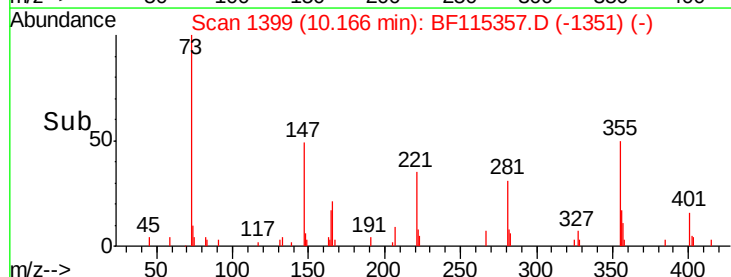
Lab File: BF115357.D

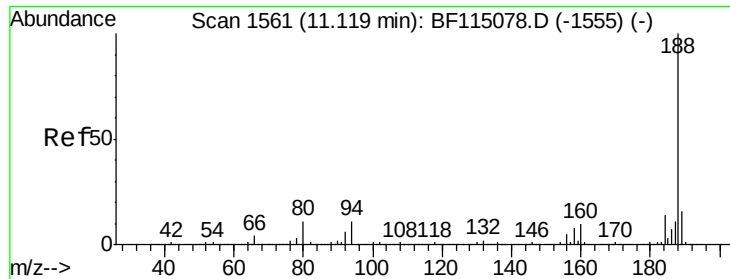
Acq: 2 Jul 2019 12:44

Tgt Ion:166	Resp:	2874
Ion Ratio	Lower	Upper
166	100	
165	83.2	78.5 117.7
167	14.8	10.5 15.7



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: 11.10 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

Instrument :

BNA_F

ClientSampleId :

IDW-EW03-TRENCH

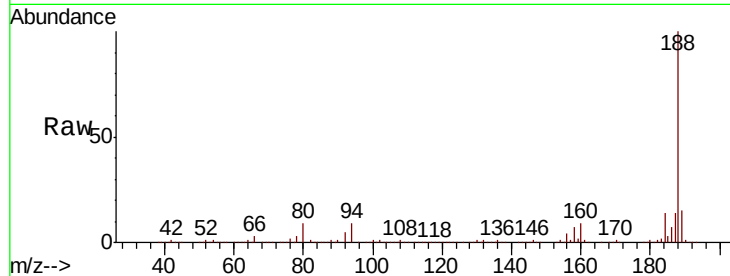
Tot Ion:188 Resp: 729310

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

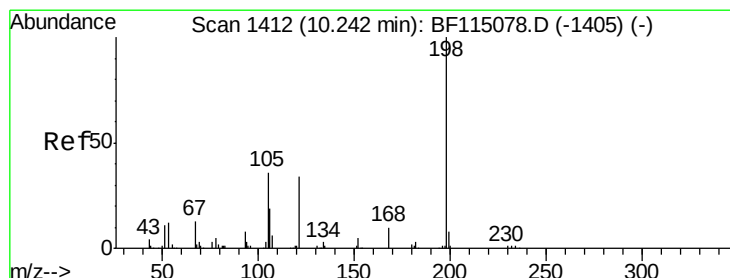
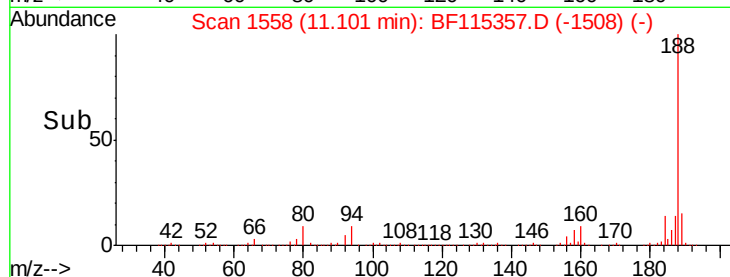
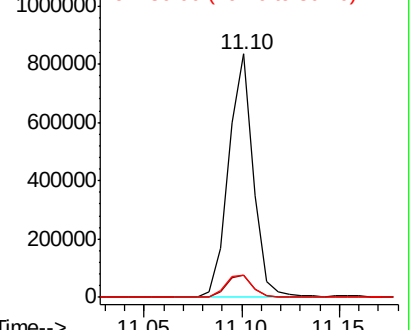
80 9.0 7.9 11.9



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: 5.190 ng

RT: 10.41 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

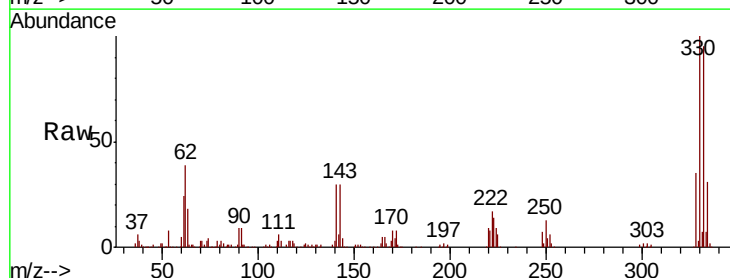
Tgt Ion:198 Resp: 995

Ion Ratio Lower Upper

198 100

51 178.8 13.4 53.4#

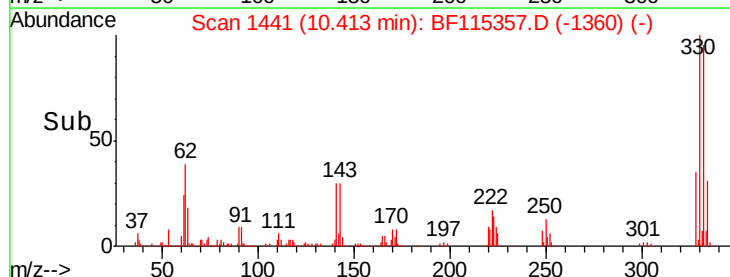
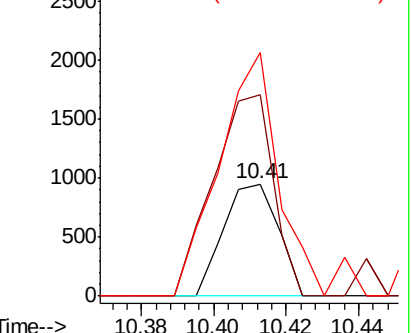
105 216.6 19.8 59.8#

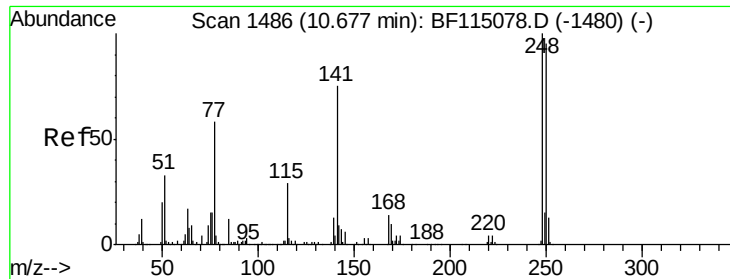


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

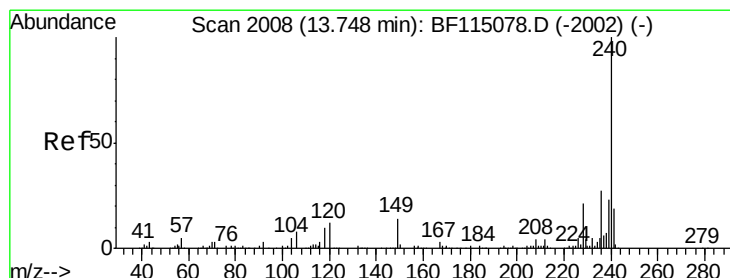
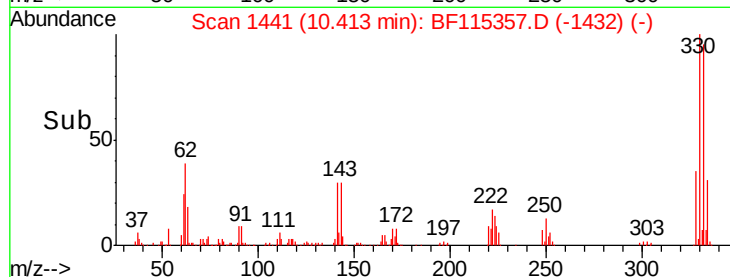
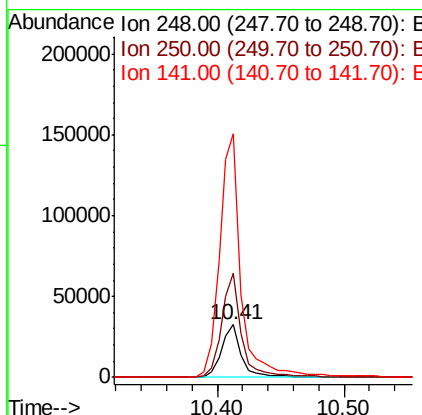
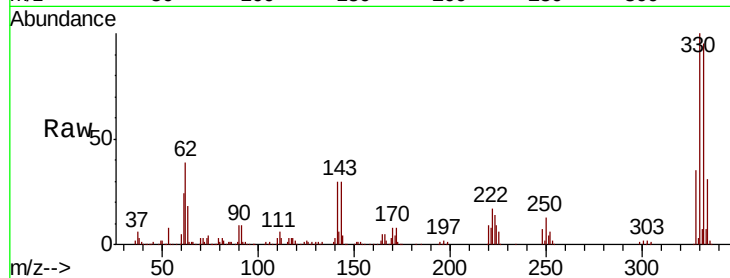




#67
 4-Bromophenyl-phenylether
 Concen: 4.476 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF115357.D
 Acq: 2 Jul 2019 12:44

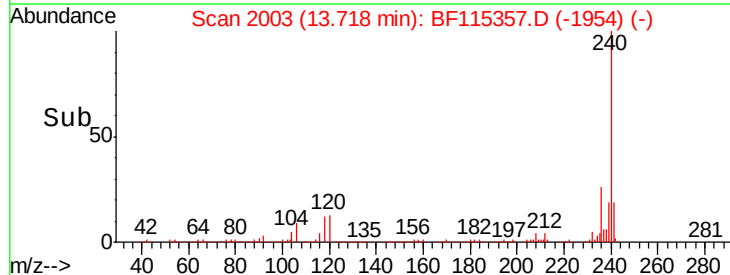
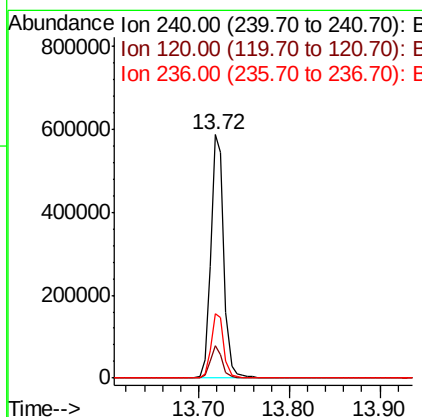
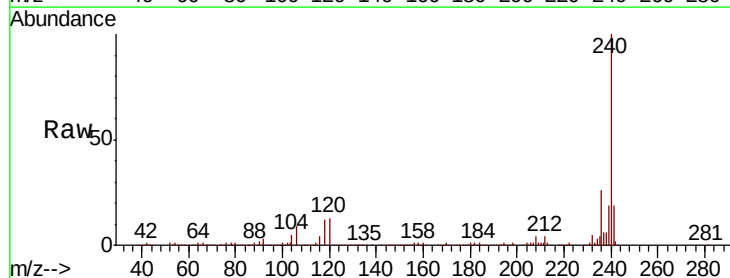
Instrument :
 BNA_F
 ClientSampleId :
 IDW-EW03-TRENCH

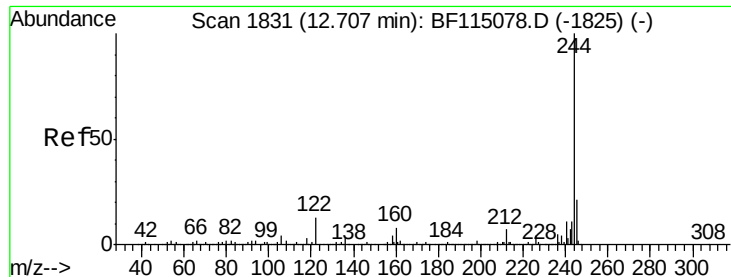
Tot Ion:248 Resp: 35393
 Ion Ratio Lower Upper
 248 100
 250 197.9 78.3 117.5#
 141 464.9 59.1 88.7#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.72 min Scan# 2003
 Delta R.T. -0.01 min
 Lab File: BF115357.D
 Acq: 2 Jul 2019 12:44

Tgt Ion:240 Resp: 591067
 Ion Ratio Lower Upper
 240 100
 120 13.5 10.8 16.2
 236 26.2 21.8 32.8





#79

Terphenyl-d14

Concen: 88.347 ng

RT: 12.69 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

Instrument :

BNA_F

ClientSampleId :

IDW-EW03-TRENCH

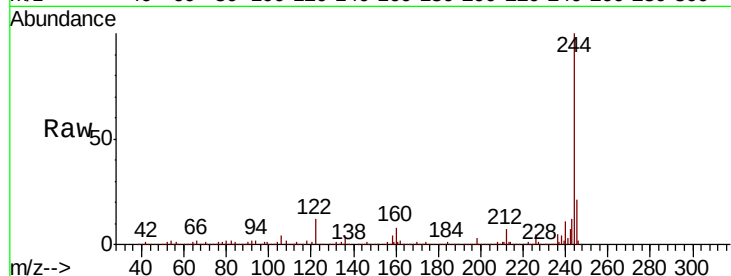
Tot Ion:244 Resp: 2456037

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

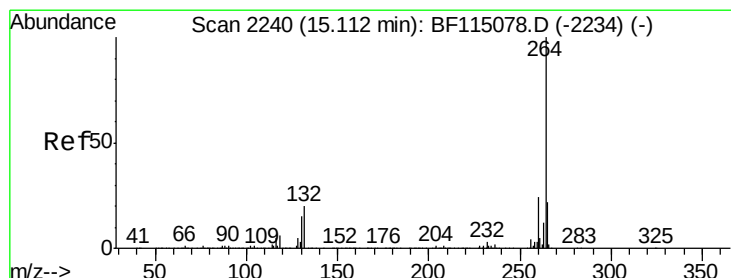
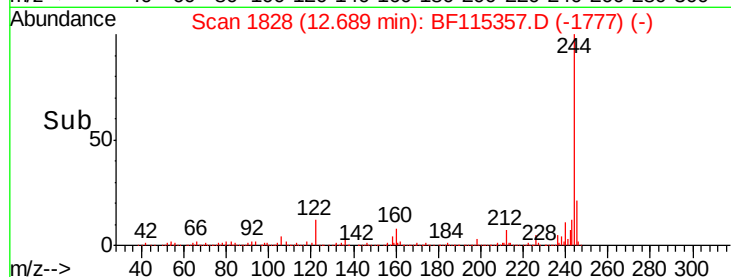
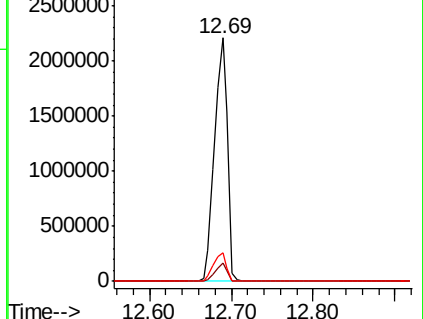
122 12.0 9.9 14.9



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: 15.09 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BF115357.D

Acq: 2 Jul 2019 12:44

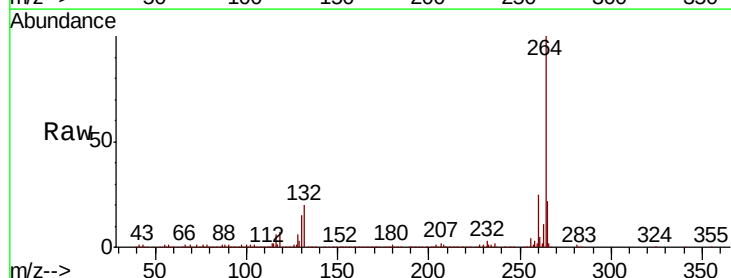
Tgt Ion:264 Resp: 533521

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 22.3 18.2 27.2



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

