

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115503.D
 Acq On : 11 Jul 2019 19:21
 Operator : HP/JU
 Sample : K3746-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-A

Quant Time: Jul 12 03:13:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 10 16:47:05 2019
 Response via : Initial Calibration

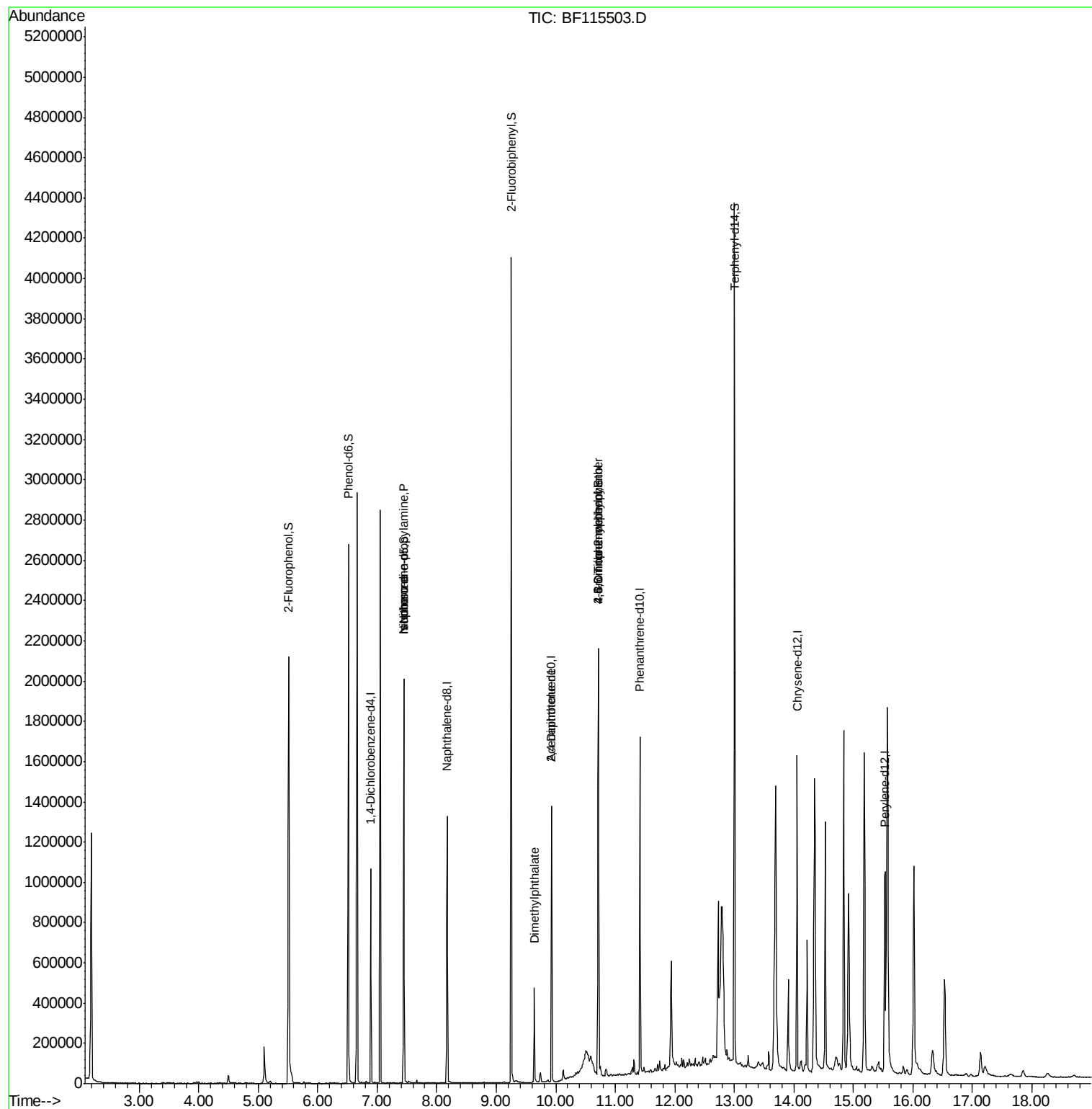
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	140239	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	557302	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	283383	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	567748	20.00	ng	0.00
76) Chrysene-d12	14.05	240	480816	20.00	ng	-0.02
87) Perylene-d12	15.53	264	491035	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	733772	80.84	ng	0.00
7) Phenol-d6	6.52	99	1016276	88.04	ng	0.00
23) Nitrobenzene-d5	7.45	82	644153	68.29	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	264466	84.41	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1228894	76.09	ng	0.00
79) Terphenyl-d14	13.00	244	1509769	64.29	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	1464	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.45	70	85739	10.978 ng	#	78
25) Isophorone	7.45	82	636681	31.141 ng	#	64
50) Dimethylphthalate	9.64	163	178431	8.389 ng	#	98
57) 2,4-Dinitrotoluene	9.93	165	35591	6.071 ng	#	24
65) 4,6-Dinitro-2-methylphenol	10.72	198	528	7.980 ng	#	1
67) 4-Bromophenyl-phenylether	10.72	248	16581	2.603 ng	#	1

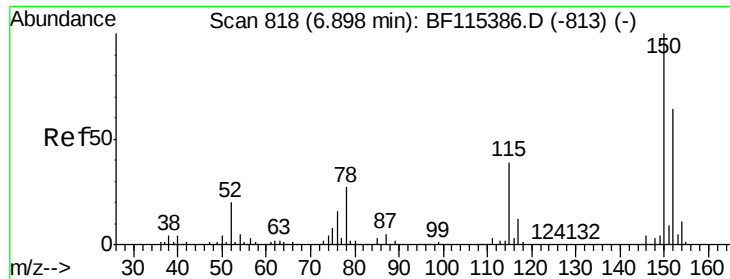
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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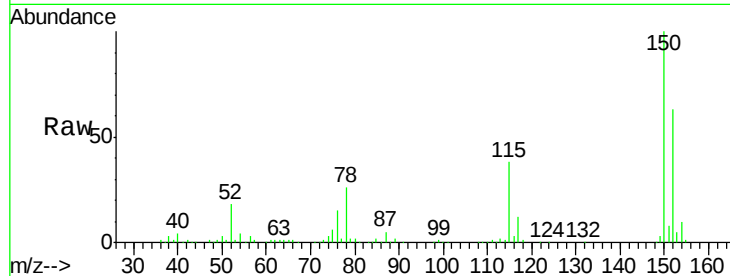


#1

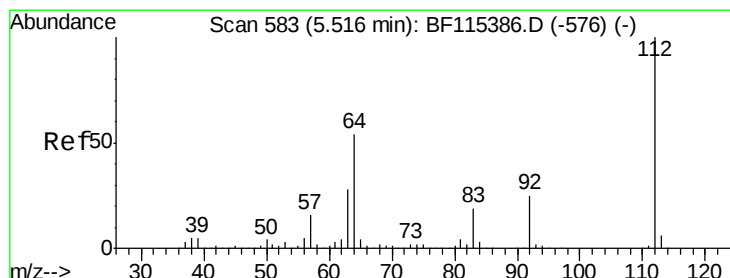
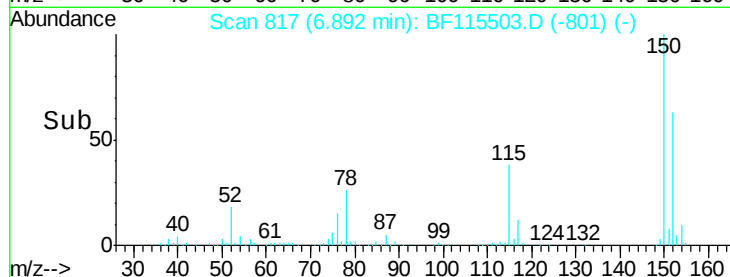
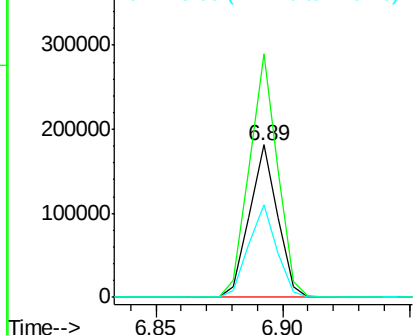
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

Instrument :
BNA_F
ClientSampleId :
TRENCH-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.4	191.2
115	60.7	46.2	69.4



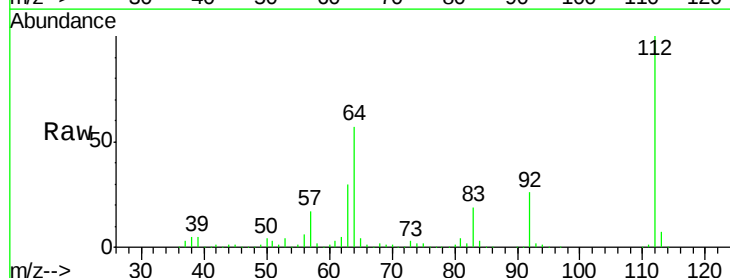
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



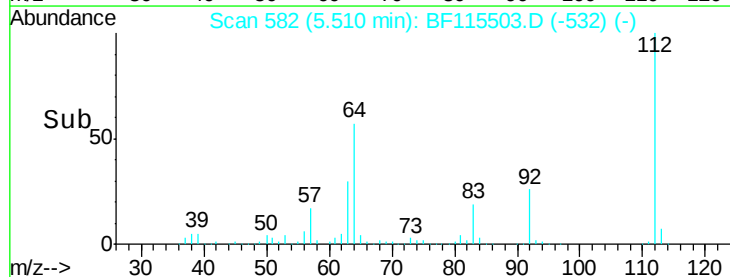
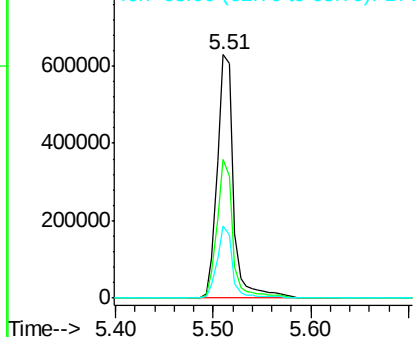
#5

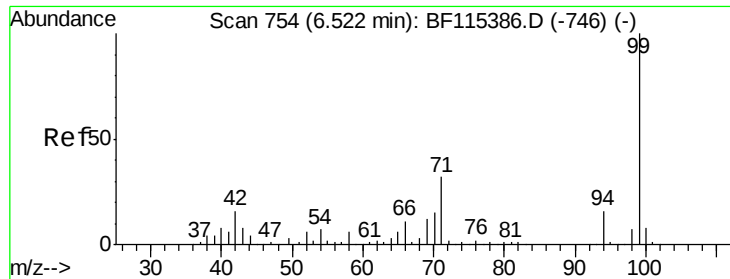
2-Fluorophenol
Concen: 80.841 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	44.2	66.2
63	29.5	22.1	33.1



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: 88.037 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

Instrument :

BNA_F

ClientSampled :

TRENCH-A

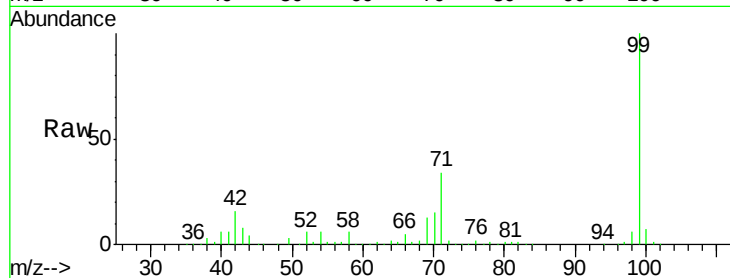
Tot Ion: 99 Resp: 1016276

Ion Ratio Lower Upper

99 100

42 16.0 12.8 19.2

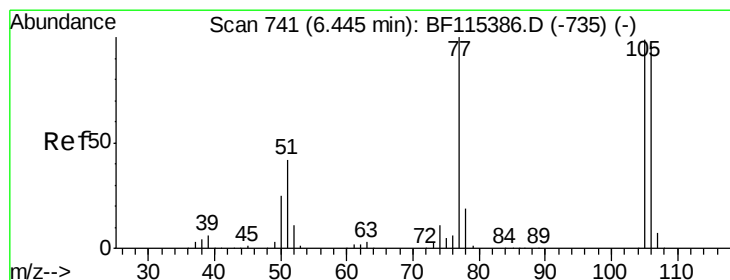
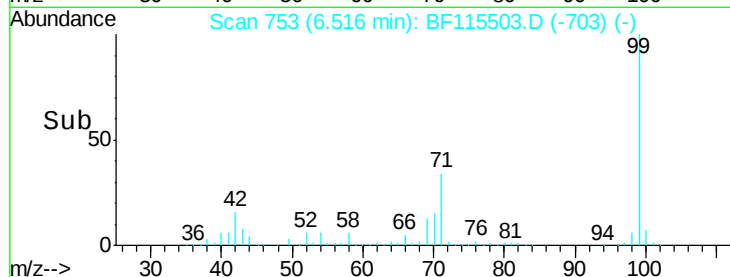
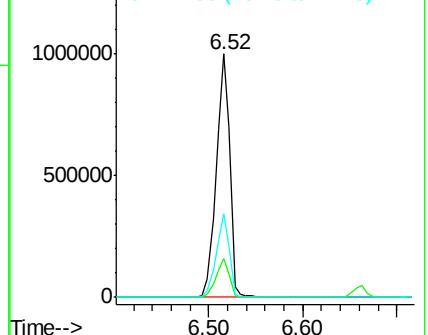
71 34.2 26.5 39.7



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.52 min Scan# 753

Delta R.T. 0.07 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

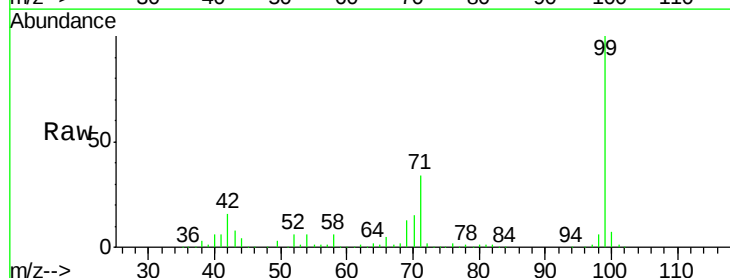
Tgt Ion: 77 Resp: 1464

Ion Ratio Lower Upper

77 100

105 0.0 82.9 122.9#

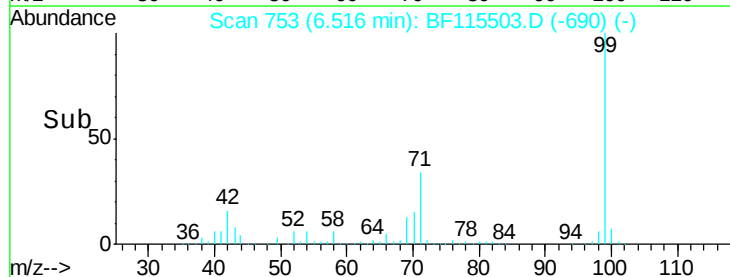
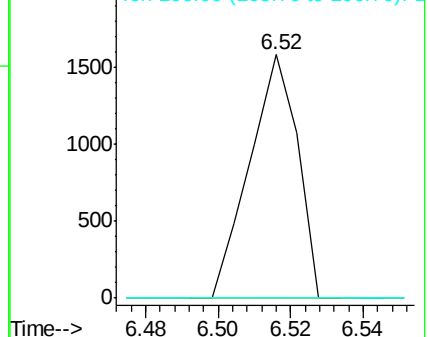
106 0.0 77.8 117.8#

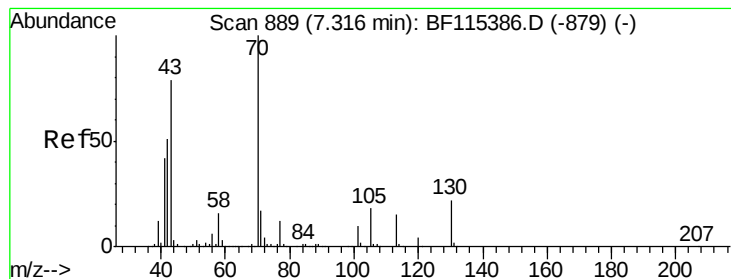


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 10.978 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

Tot Ion: 70 Resp: 85739

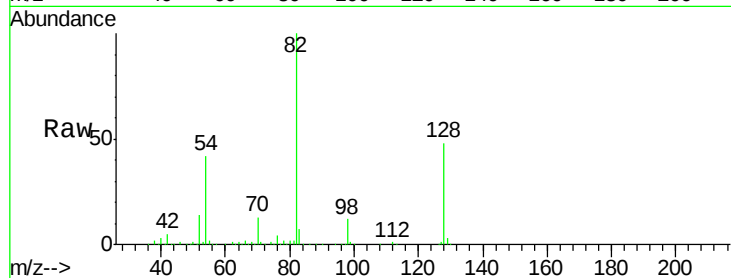
Ion Ratio Lower Upper

70 100

42 40.8 38.5 57.7

101 0.0 8.0 12.0#

130 2.7 19.1 28.7#

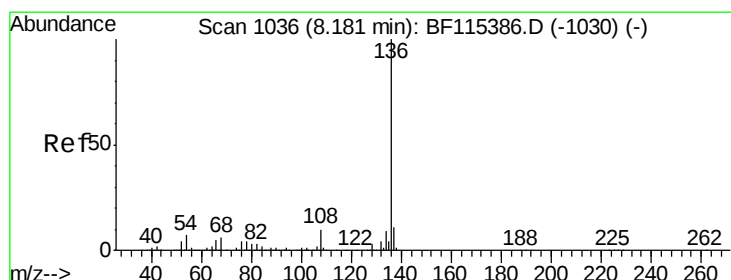
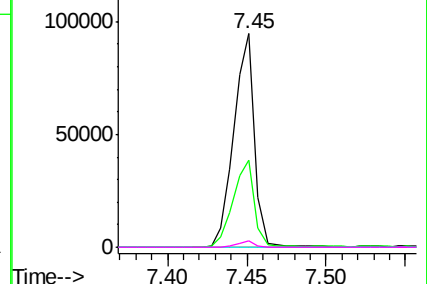
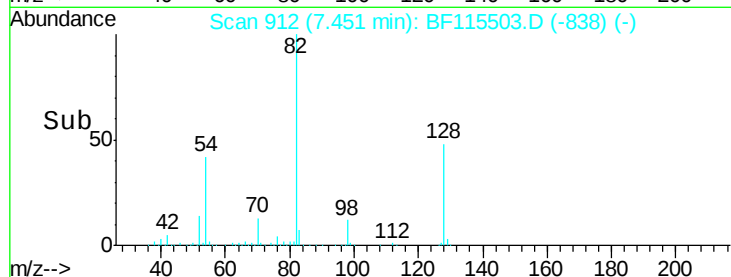


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

Tgt Ion: 136 Resp: 557302

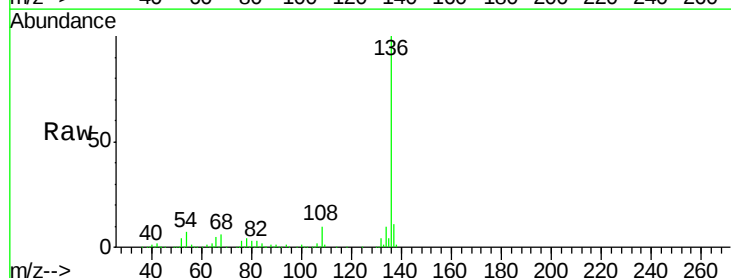
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.6 5.4 8.0

68 6.2 4.8 7.2

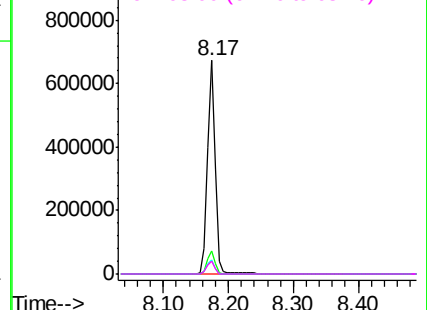
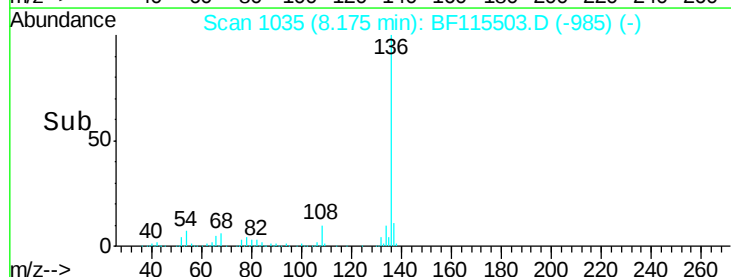


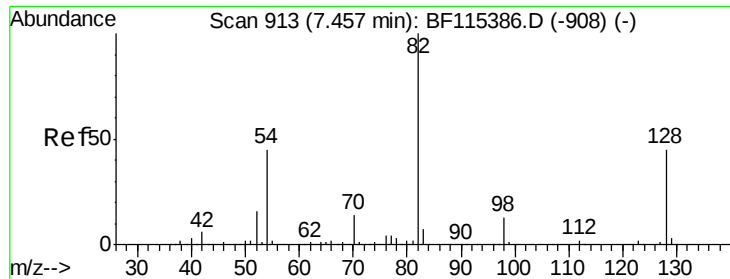
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

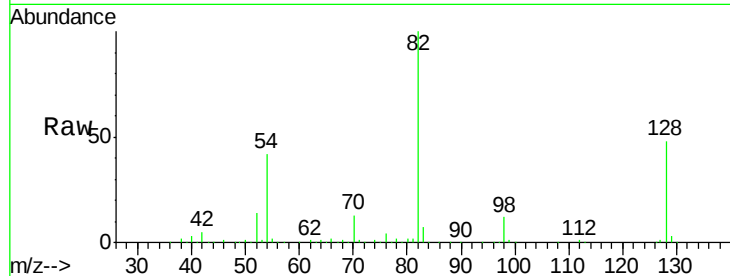




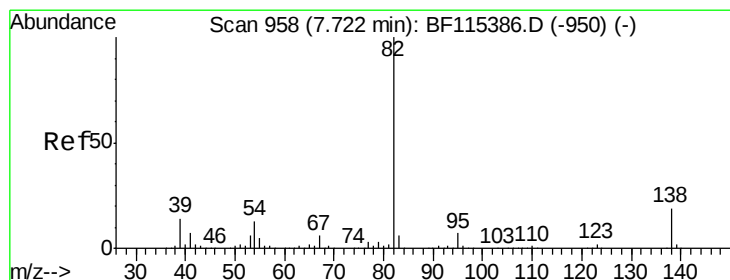
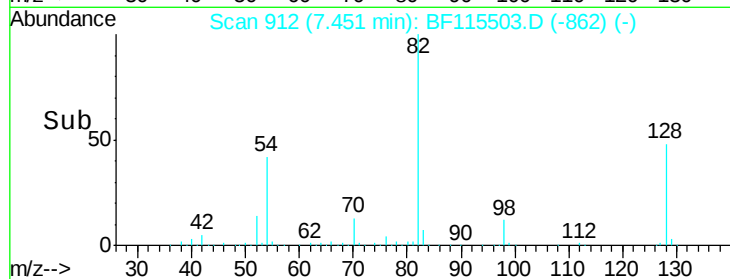
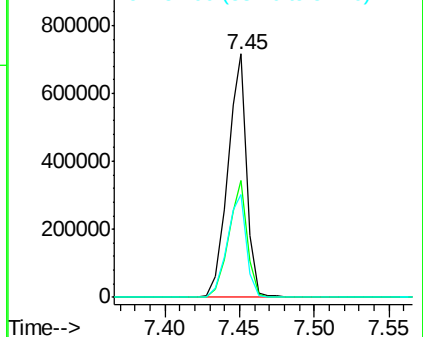
#23
 Nitrobenzene-d5
 Concen: 68.291 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF115503.D
 Acq: 11 Jul 2019 19:21

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-A

Tot Ion	82	Resp	644153
Ion Ratio	Lower	Upper	
82	100		
128	48.1	36.7	55.1
54	42.2	35.6	53.4

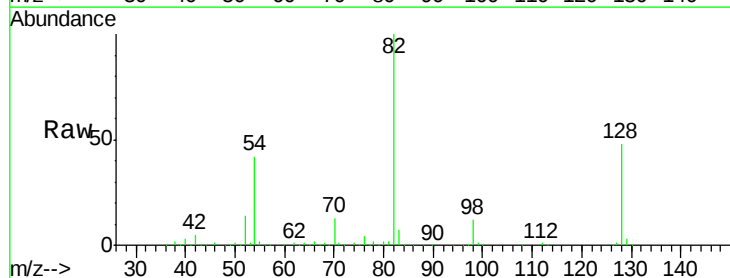


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

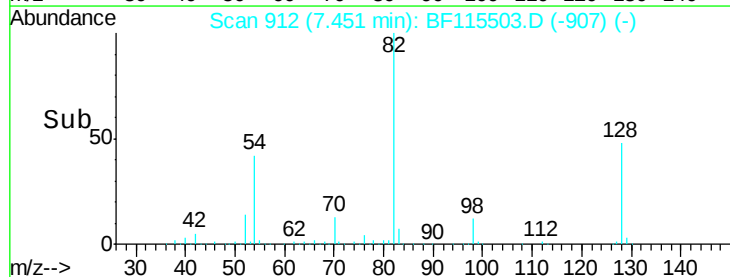
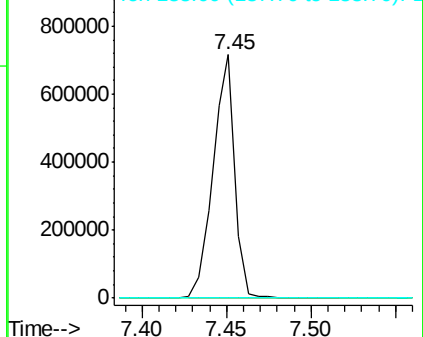


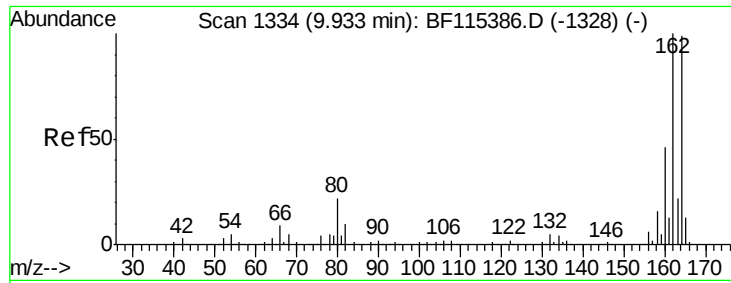
#25
 Isophorone
 Concen: 31.141 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.27 min
 Lab File: BF115503.D
 Acq: 11 Jul 2019 19:21

Tgt Ion	82	Resp	636681
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.2#
138	0.0	15.1	22.7#



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

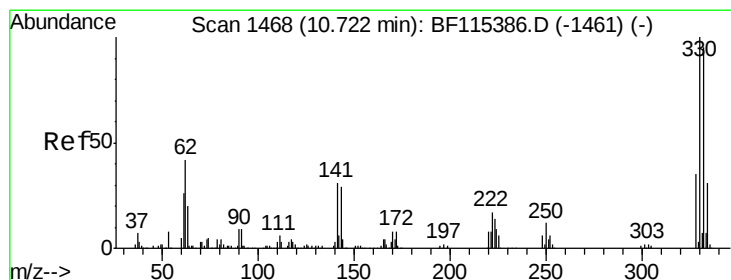
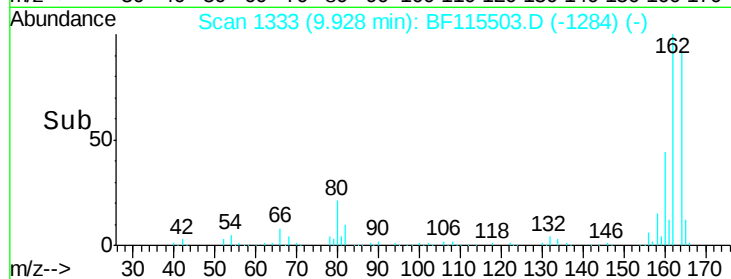
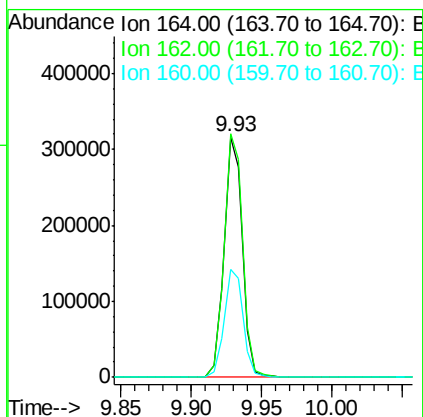
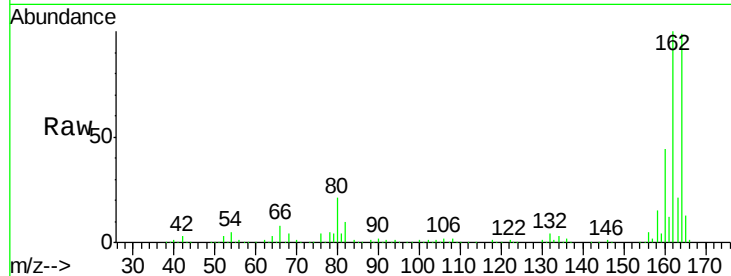




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

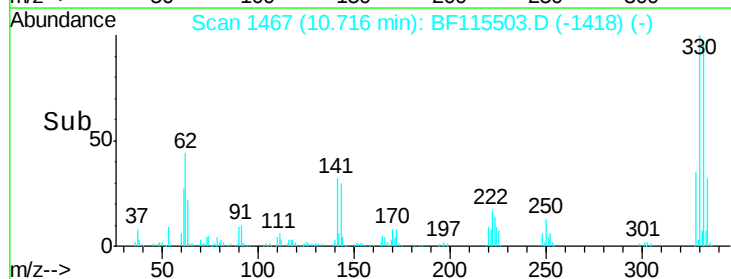
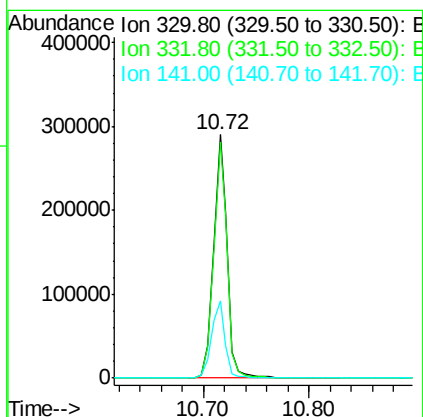
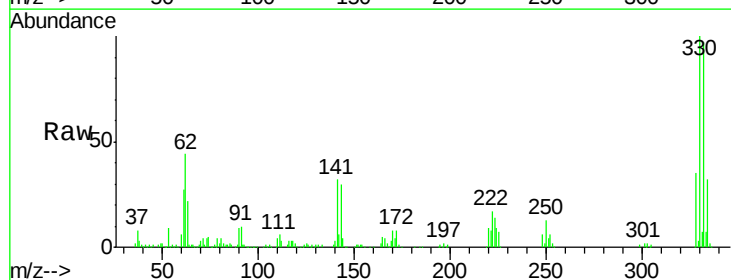
Instrument :
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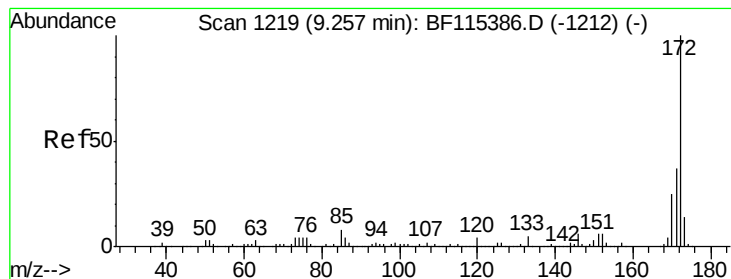
Tot Ion:164 Resp: 283383
Ion Ratio Lower Upper
164 100
162 101.5 82.3 123.5
160 44.9 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 84.406 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

Tgt Ion:330 Resp: 264466
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 31.3 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 76.095 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

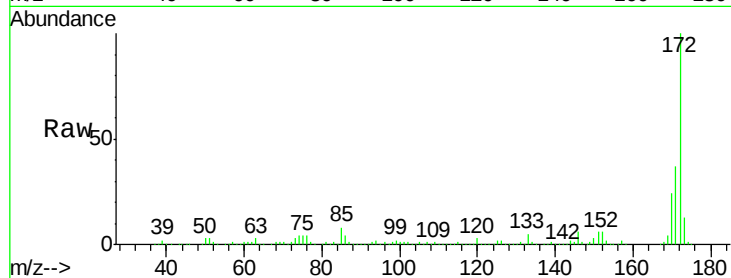
Tot Ion:172 Resp: 1228894

Ion Ratio Lower Upper

172 100

171 37.2 29.8 44.8

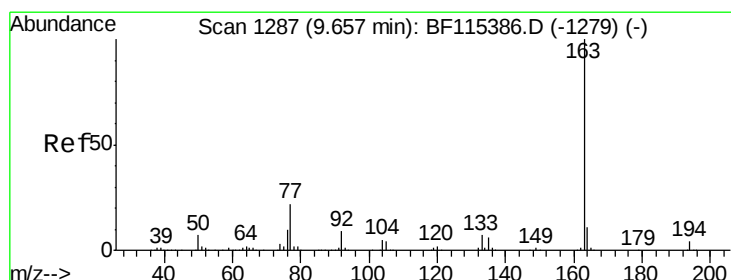
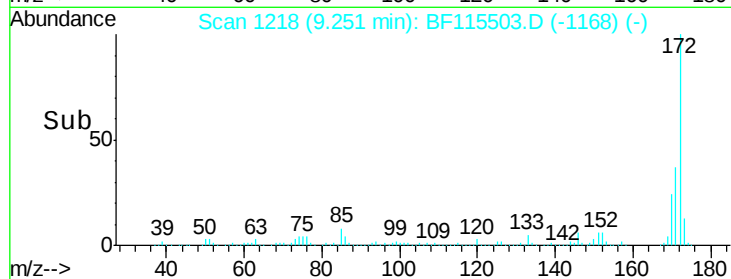
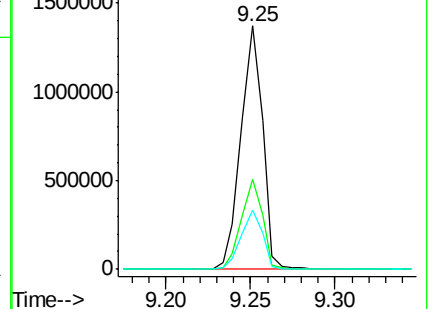
170 24.5 20.0 30.0



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: 8.389 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

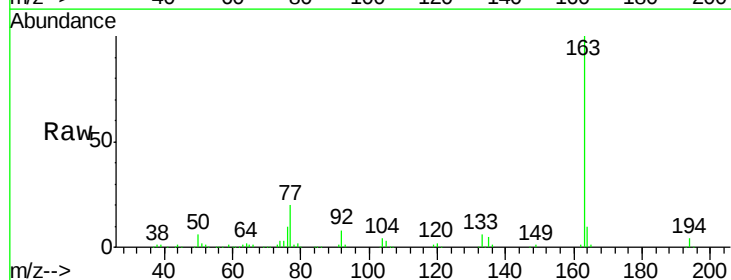
Tgt Ion:163 Resp: 178431

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

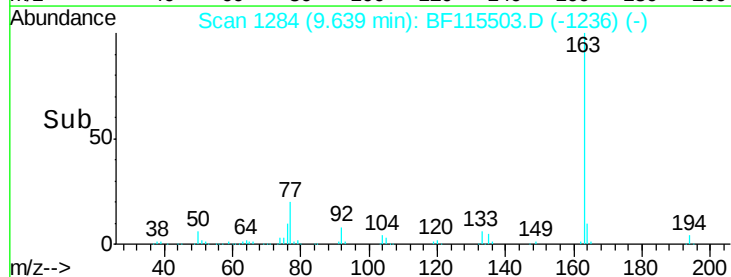
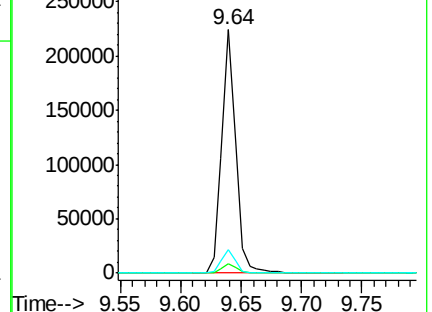
164 9.9 8.6 13.0

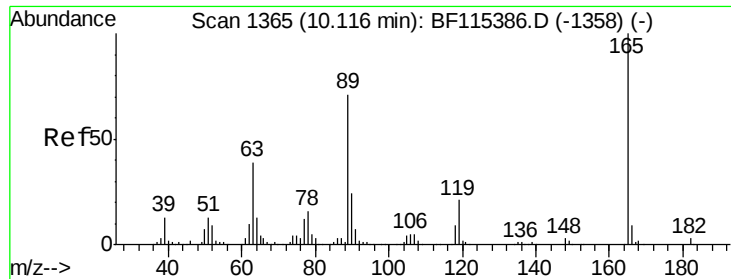


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

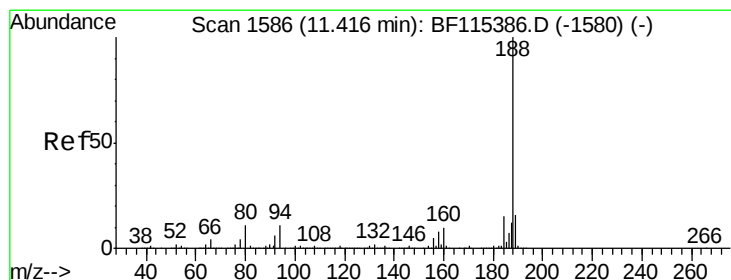
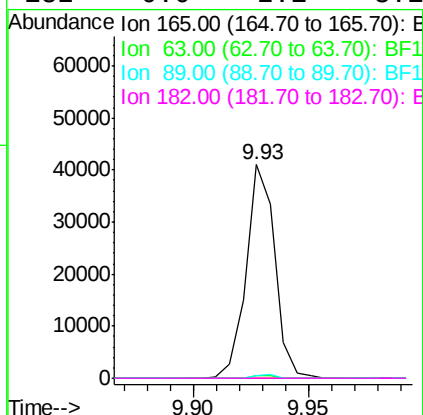
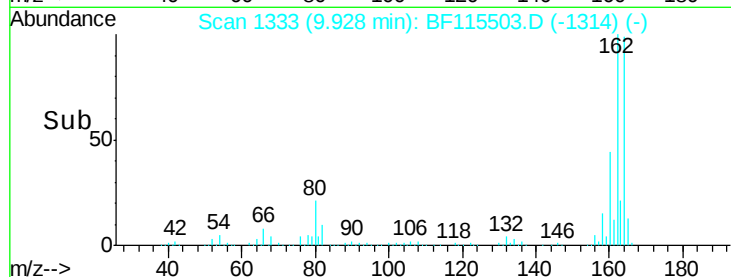
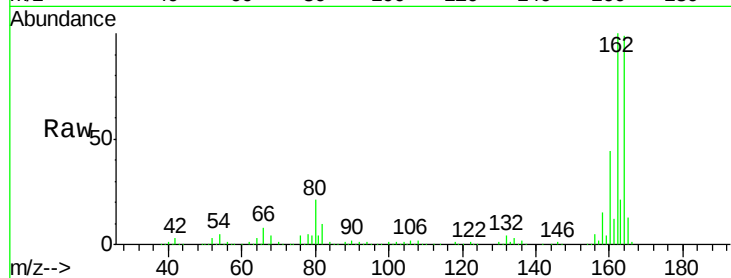




#57
2,4-Dinitrotoluene
Concen: 6.071 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.19 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

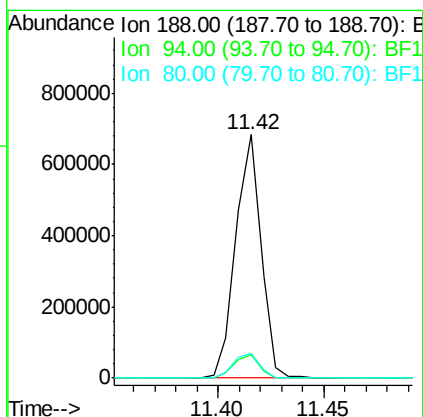
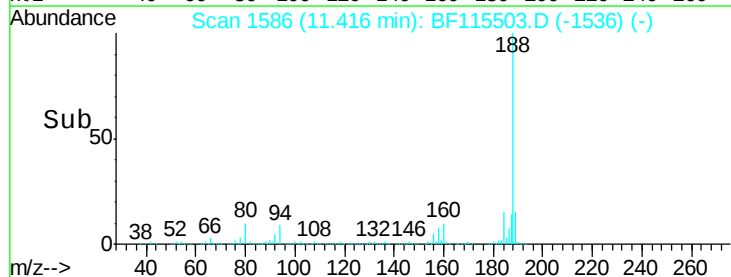
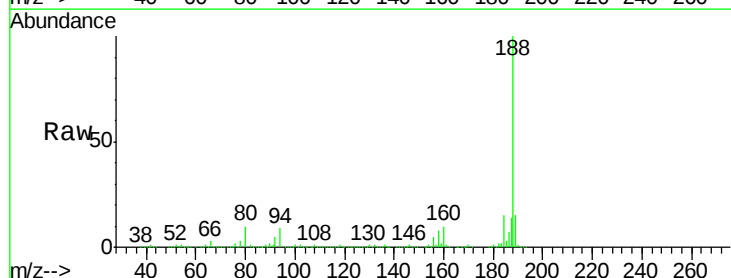
Instrument :
BNA_F
ClientSampleId :
TRENCH-A

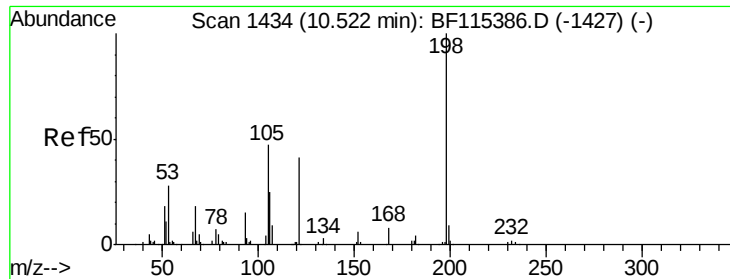
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.0	49.4#
89	1.0	58.5	87.7#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.8	11.8
80	10.0	8.4	12.6

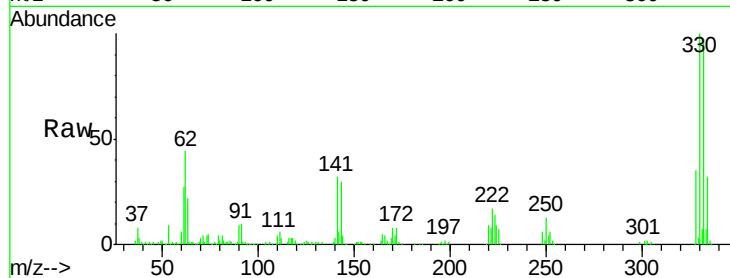




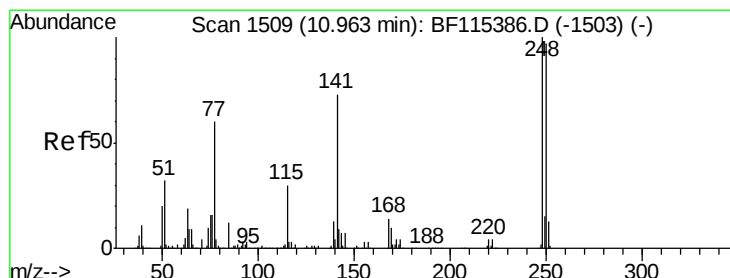
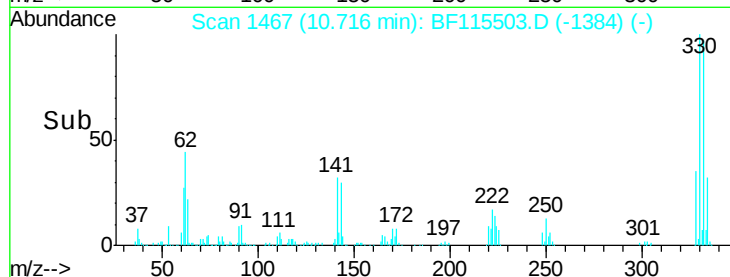
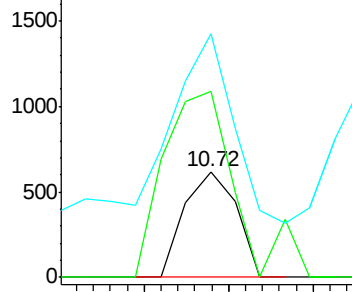
#65
4,6-Dinitro-2-methylphenol
Concen: 7.980 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

Instrument :
BNA_F
ClientSampleId :
TRENCH-A

Tot Ion:198 Resp: 528
Ion Ratio Lower Upper
198 100
51 176.8 20.7 60.7#
105 231.0 25.3 65.3#

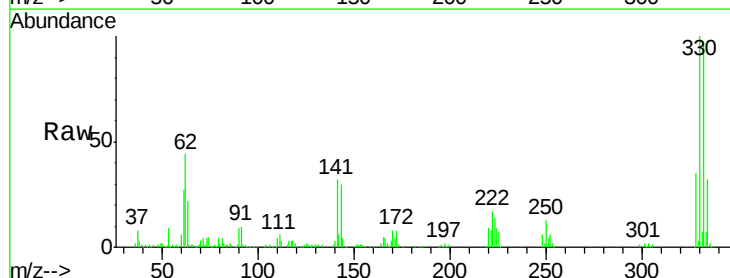


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

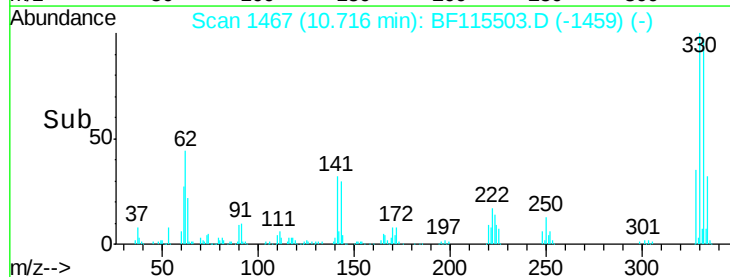
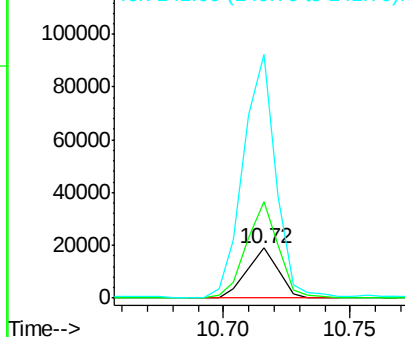


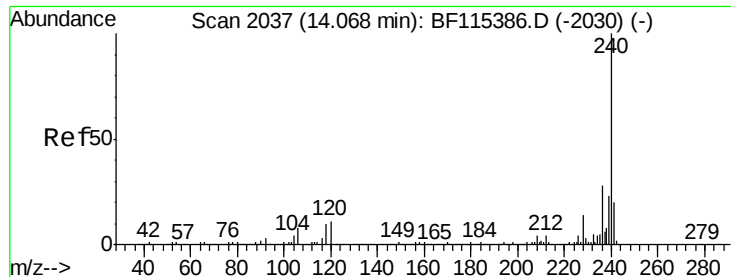
#67
4-Bromophenyl-phenylether
Concen: 2.603 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

Tgt Ion:248 Resp: 16581
Ion Ratio Lower Upper
248 100
250 193.8 78.3 117.5#
141 489.4 52.2 78.2#



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: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

Instrument :

BNA_F

ClientSampleId :

TRENCH-A

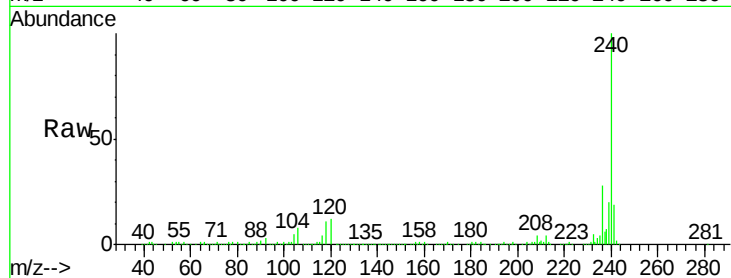
Tot Ion:240 Resp: 480816

Ion Ratio Lower Upper

240 100

120 12.0 10.2 15.4

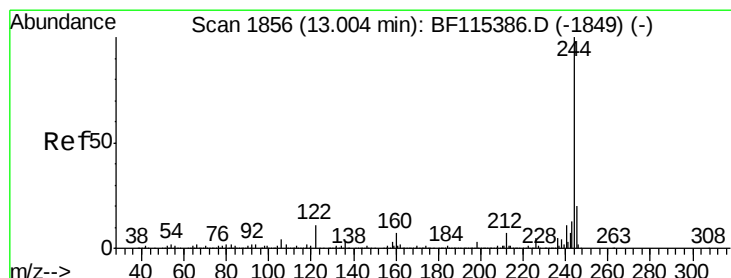
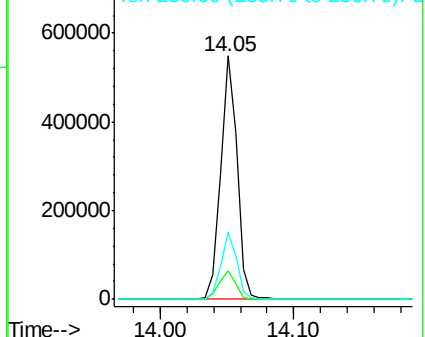
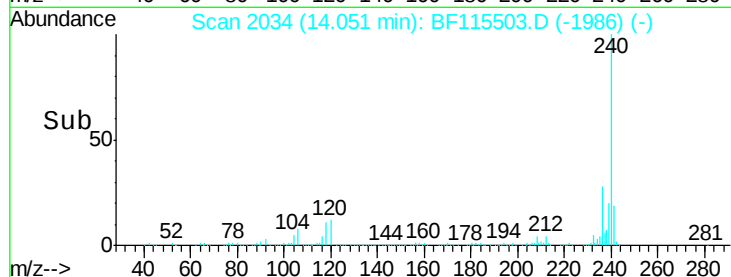
236 27.6 21.1 31.7



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: 64.292 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF115503.D

Acq: 11 Jul 2019 19:21

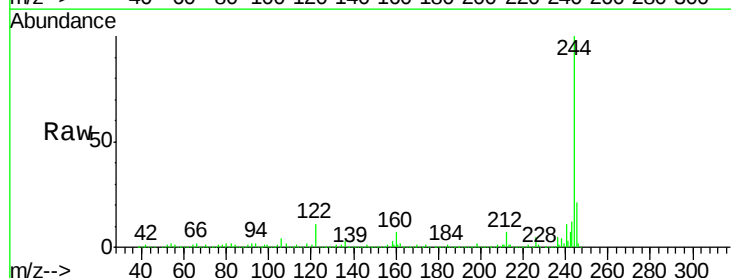
Tgt Ion:244 Resp: 1509769

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

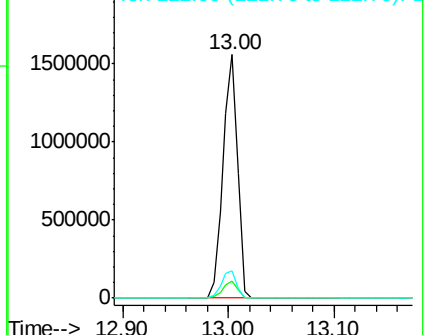
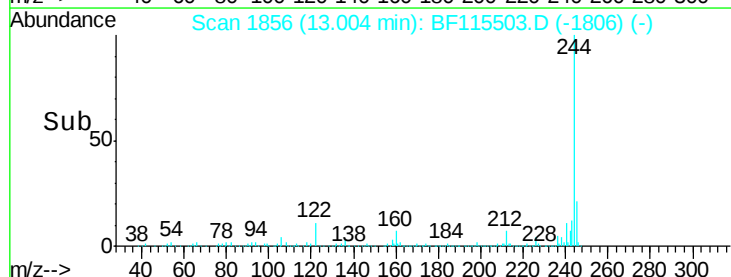
122 11.3 9.1 13.7

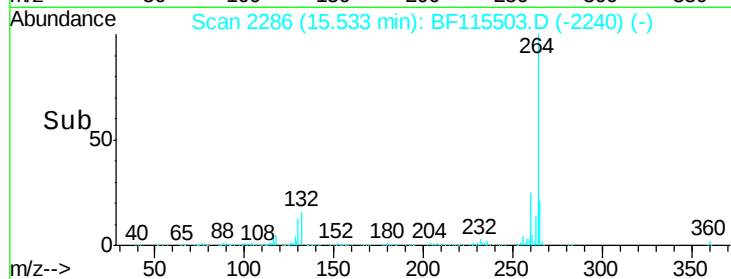
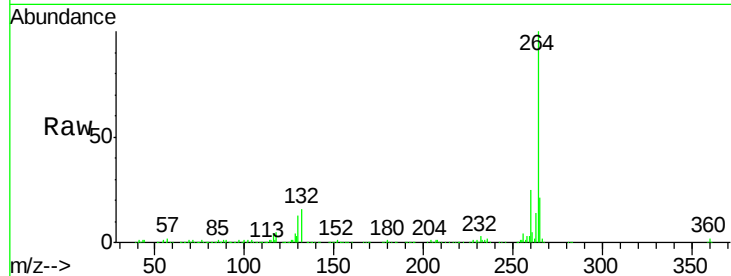
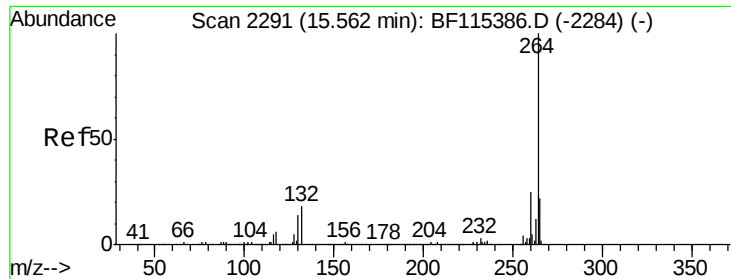


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.53 min Scan# 2286
Delta R.T. -0.03 min
Lab File: BF115503.D
Acq: 11 Jul 2019 19:21

Instrument :
BNA_F
ClientSampleId :
TRENCH-A

Tot Ion:	264	Resp:	491035
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.4	17.8	26.6

