

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071119\
 Data File : BF115507.D
 Acq On : 11 Jul 2019 21:08
 Operator : HP/JU
 Sample : K3751-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PIT

Quant Time: Jul 12 03:14:56 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

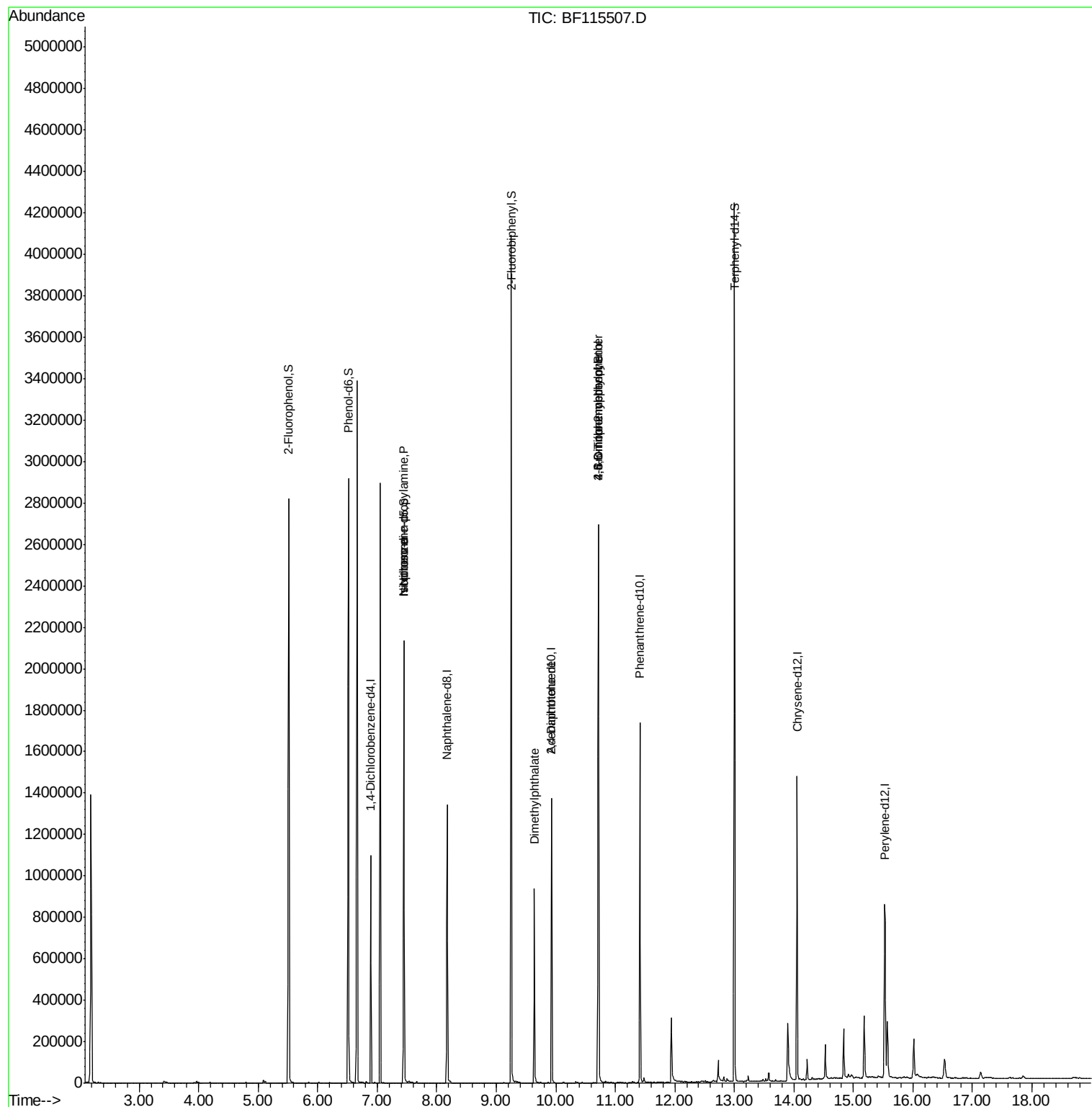
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	145608	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	572600	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	289027	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	589483	20.00	ng	0.00
76) Chrysene-d12	14.05	240	459719	20.00	ng	-0.02
87) Perylene-d12	15.53	264	418496	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	866020	91.89	ng	0.00
7) Phenol-d6	6.52	99	1153041	96.20	ng	0.00
23) Nitrobenzene-d5	7.45	82	697329	71.95	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	345075	107.98	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1236983	75.10	ng	0.00
79) Terphenyl-d14	13.00	244	1542398	68.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	1837	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.45	70	91206	11.248	ng	# 79
25) Isophorone	7.45	82	690141	32.854	ng	# 64
50) Dimethylphthalate	9.64	163	359446	16.569	ng	# 99
57) 2,4-Dinitrotoluene	9.93	165	37088	6.203	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.72	198	621	8.002	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	21312	3.222	ng	# 1

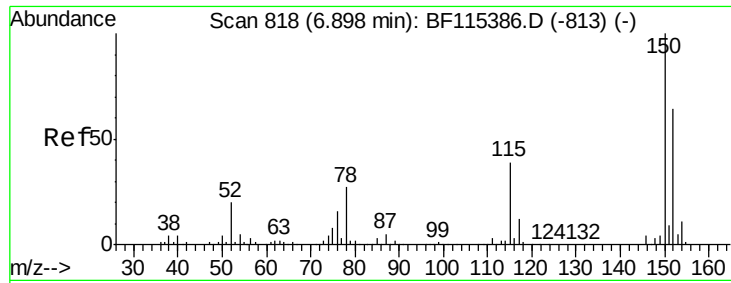
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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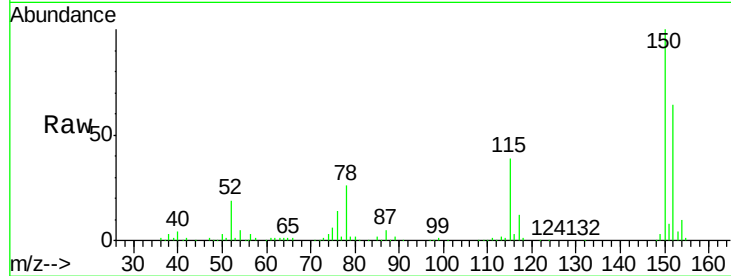


#1

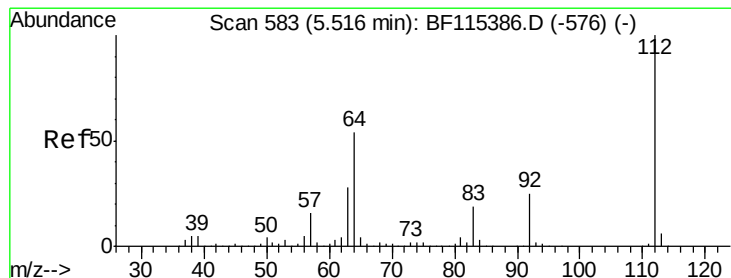
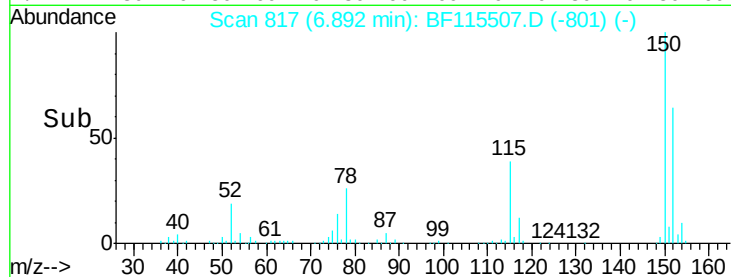
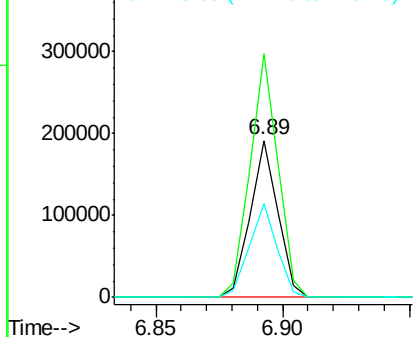
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PIT

Tot Ion:152 Resp: 145608
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.2
115 60.1 46.2 69.4



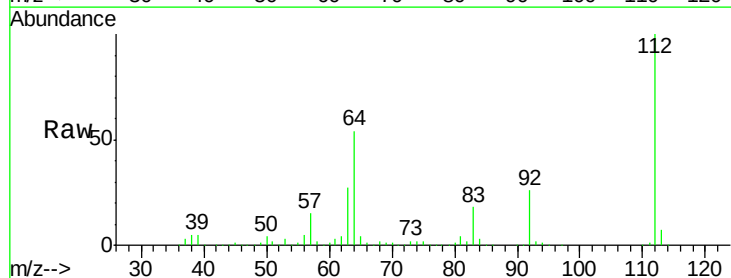
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



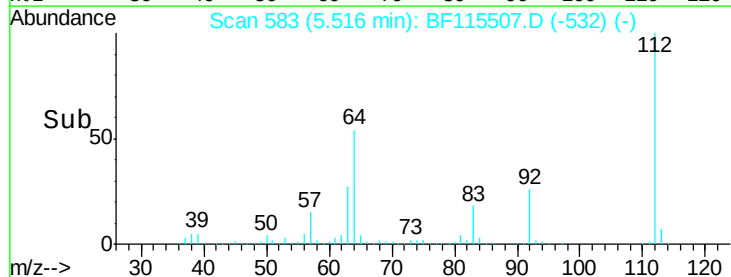
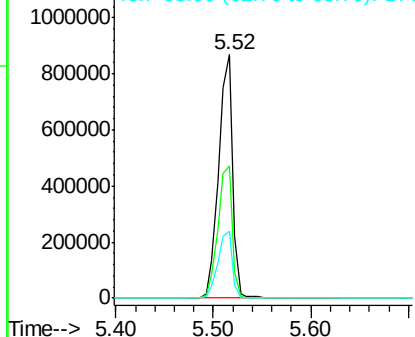
#5

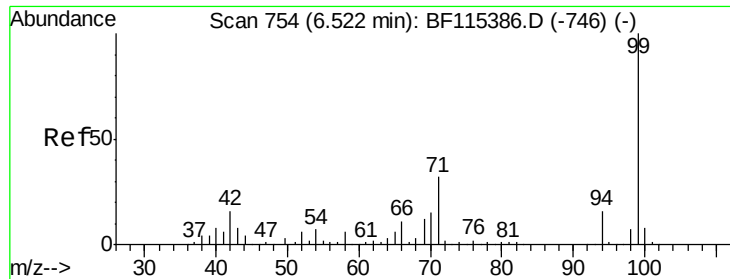
2-Fluorophenol
Concen: 91.892 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Tgt Ion:112 Resp: 866020
Ion Ratio Lower Upper
112 100
64 54.2 44.2 66.2
63 27.4 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: 96.201 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF115507.D

Acq: 11 Jul 2019 21:08

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PIT

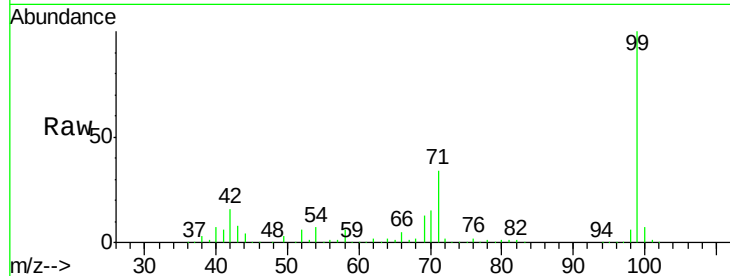
Tot Ion: 99 Resp: 1153041

Ion Ratio Lower Upper

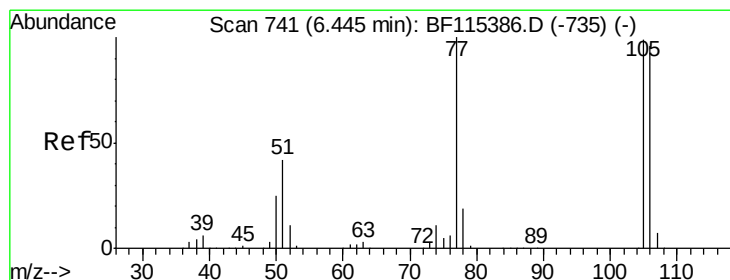
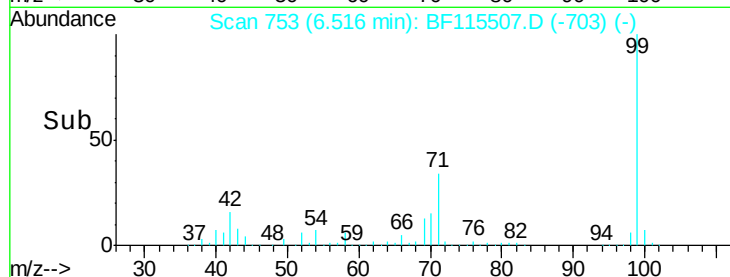
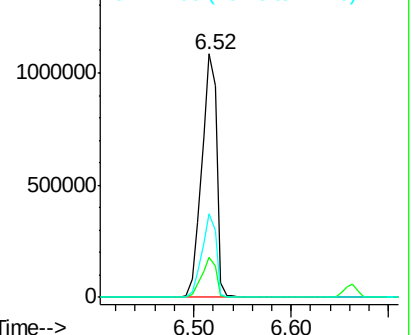
99 100

42 16.3 12.8 19.2

71 34.3 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: BF115507.D

Acq: 11 Jul 2019 21:08

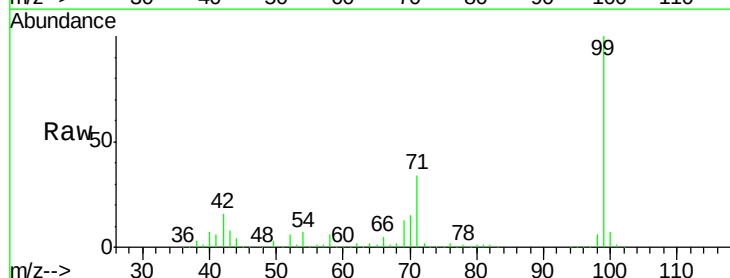
Tgt Ion: 77 Resp: 1837

Ion Ratio Lower Upper

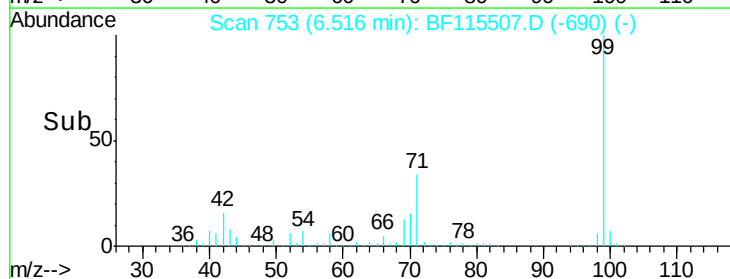
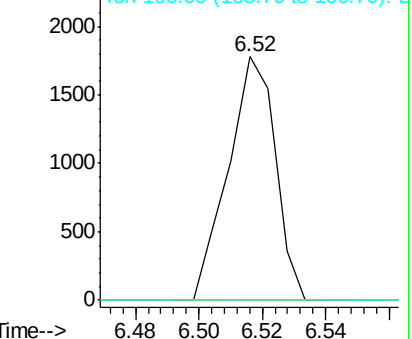
77 100

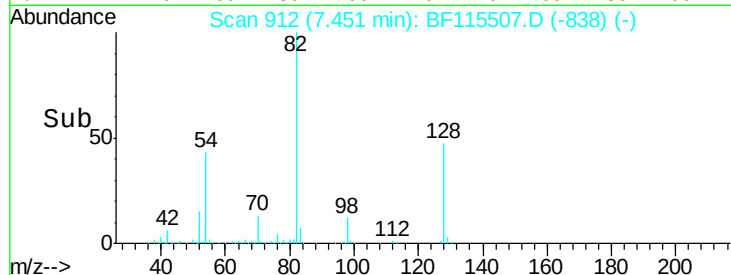
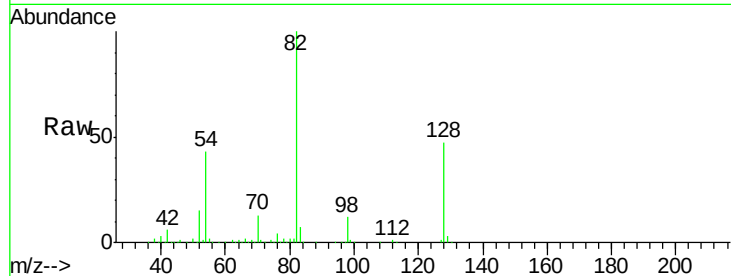
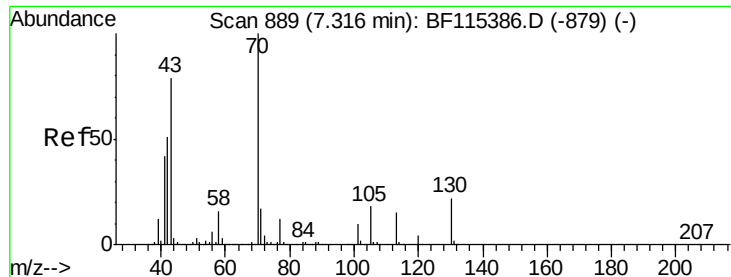
105 0.0 82.9 122.9#

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): E
Ion 106.00 (105.70 to 106.70): E

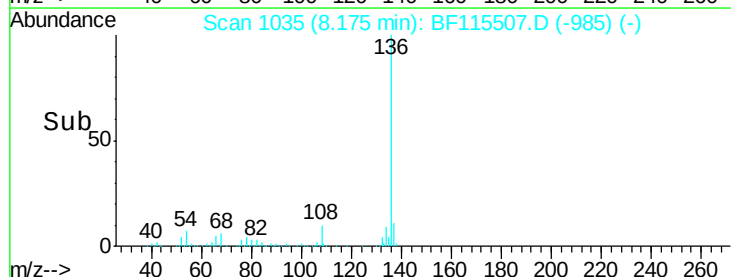
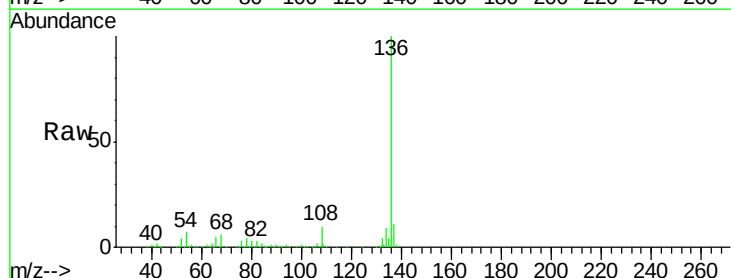
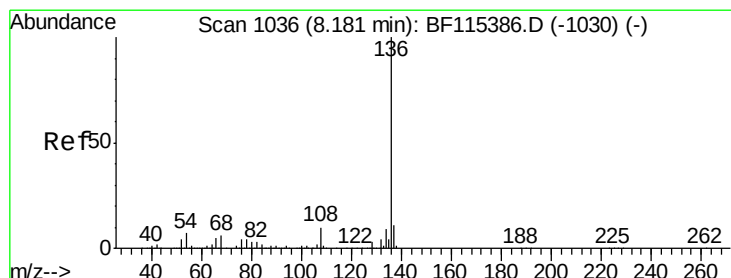
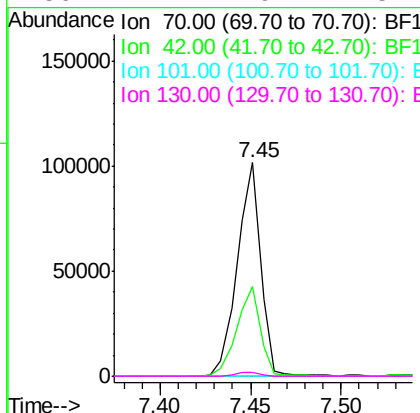




#19
n-Nitroso-di-n-propylamine
Concen: 11.248 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

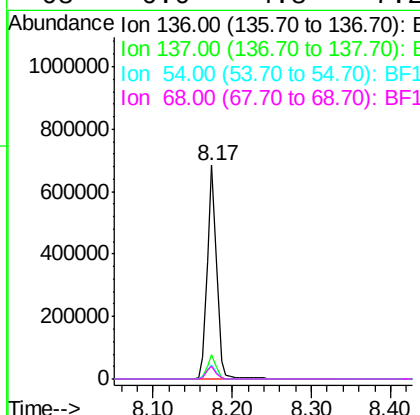
Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PIT

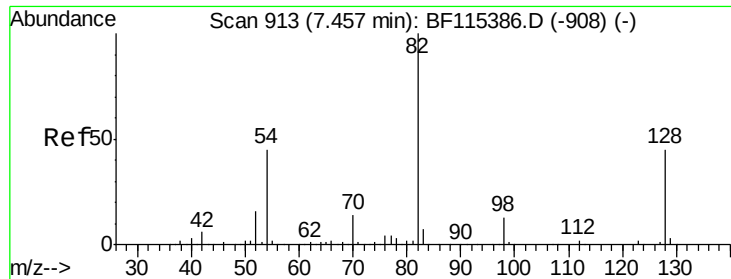
Tot Ion: 70 Resp: 91206
Ion Ratio Lower Upper
70 100
42 42.2 38.5 57.7
101 0.0 8.0 12.0#
130 2.1 19.1 28.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Tgt Ion:136 Resp: 572600
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.8 5.4 8.0
68 6.0 4.8 7.2

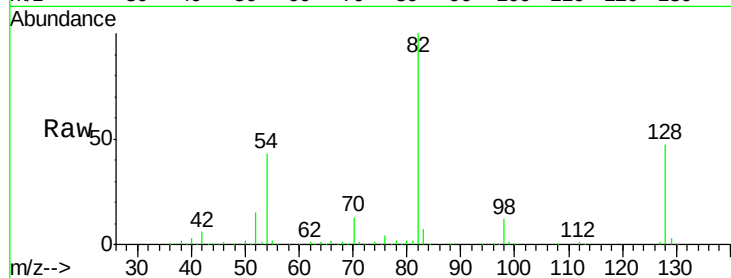




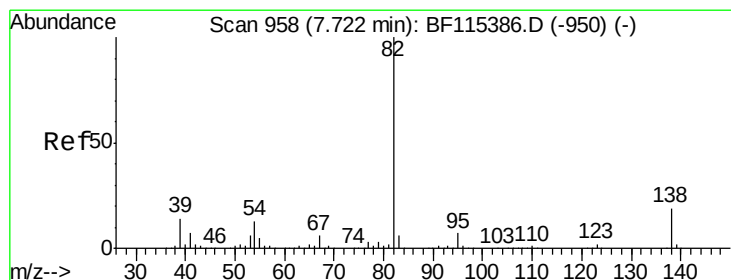
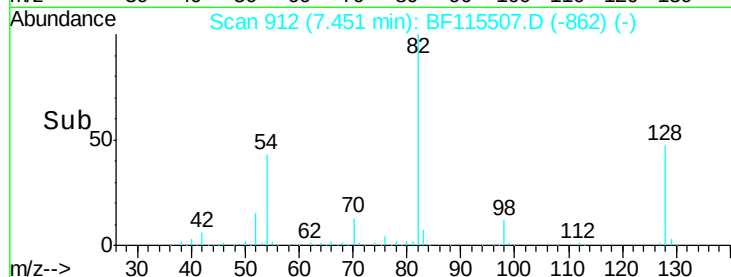
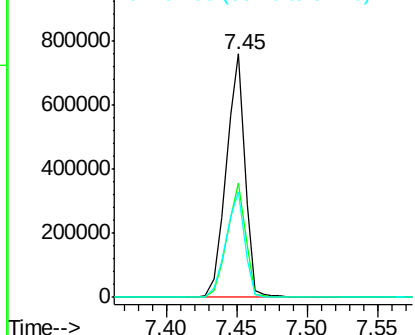
#23
Nitrobenzene-d5
Concen: 71.953 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PIT

Tot Ion: 82 Resp: 697329
Ion Ratio Lower Upper
82 100
128 47.1 36.7 55.1
54 43.5 35.6 53.4

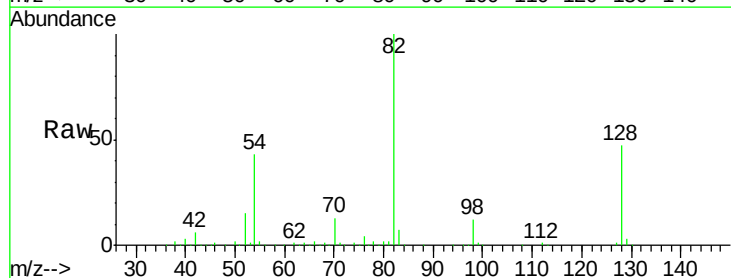


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

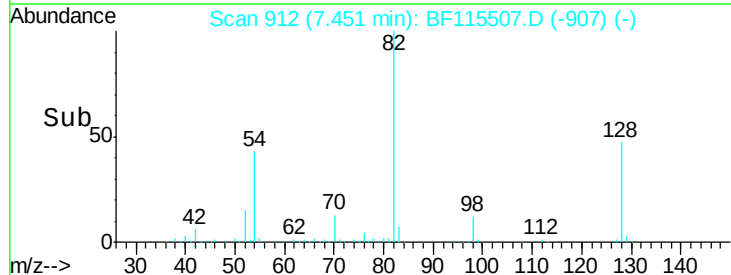
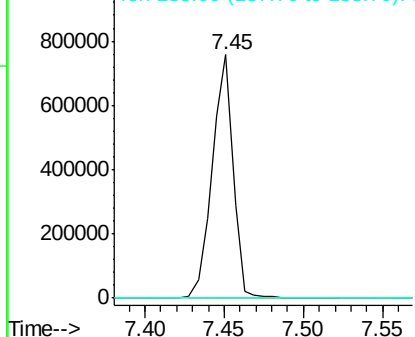


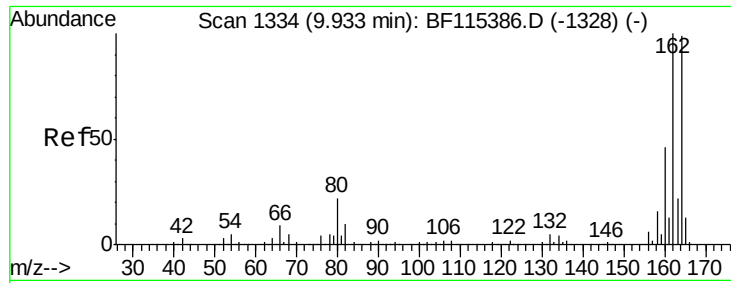
#25
Isophorone
Concen: 32.854 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.27 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Tgt Ion: 82 Resp: 690141
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

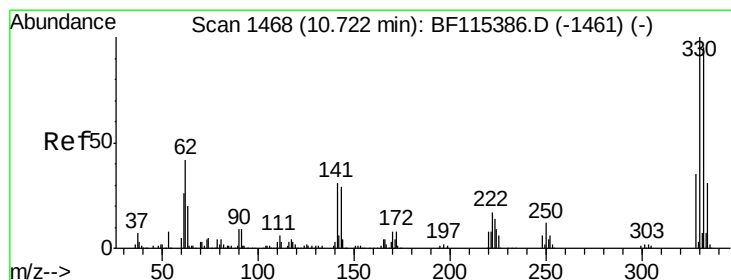
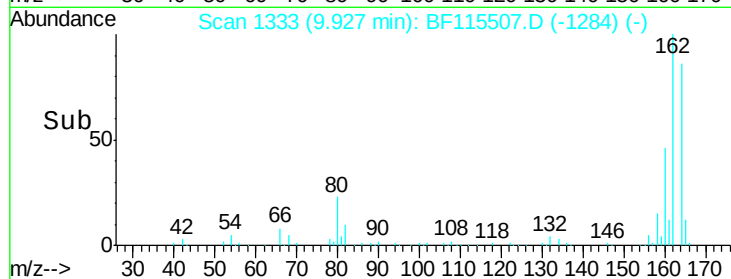
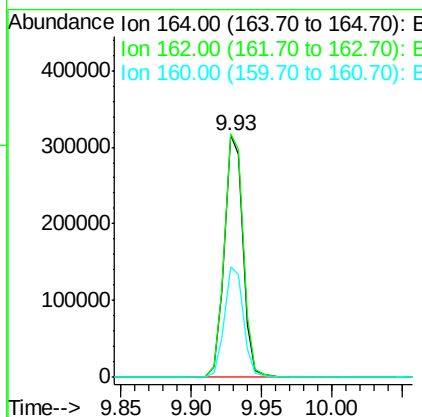
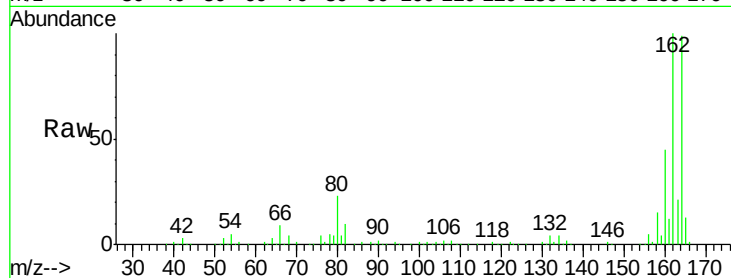




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF115507.D
 Acq: 11 Jul 2019 21:08

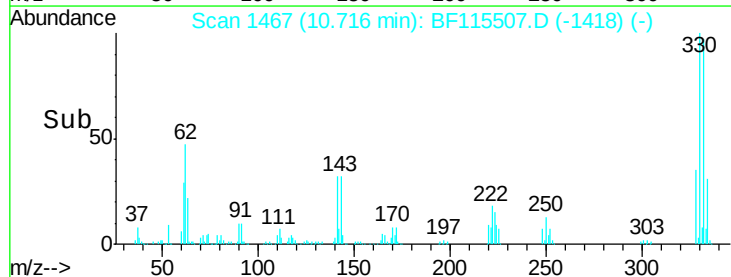
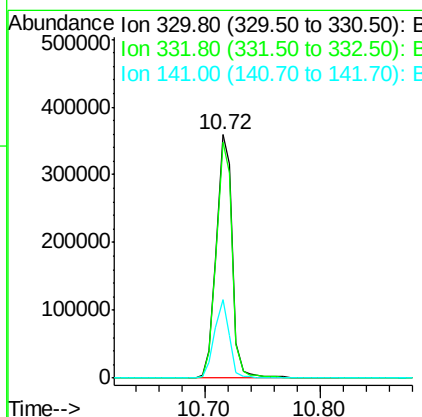
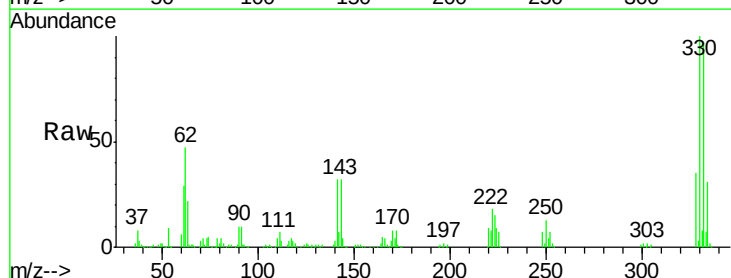
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 BNA_F
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 MANHOLE-TEST-PIT

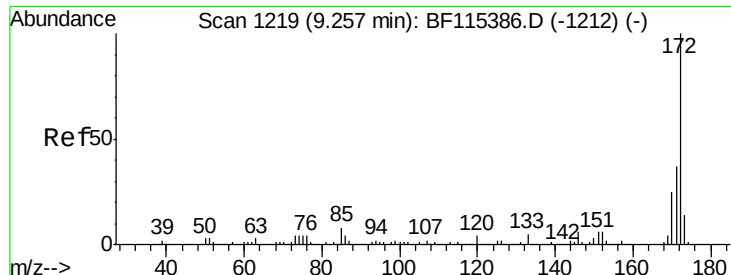
Tot Ion:164 Resp: 289027
 Ion Ratio Lower Upper
 164 100
 162 100.6 82.3 123.5
 160 45.6 37.2 55.8



#42
 2,4,6-Tribromophenol
 Concen: 107.982 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF115507.D
 Acq: 11 Jul 2019 21:08

Tgt Ion:330 Resp: 345075
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.0
 141 30.2 24.7 37.1

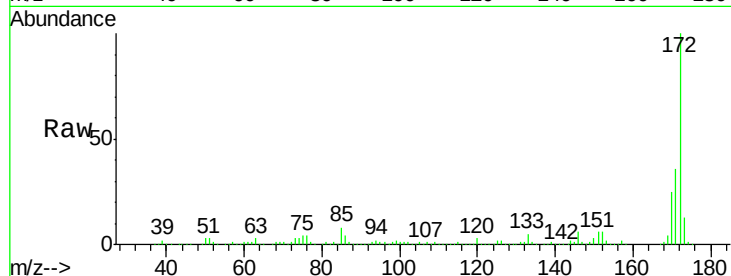




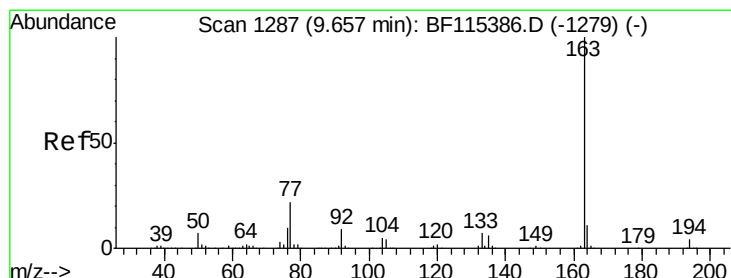
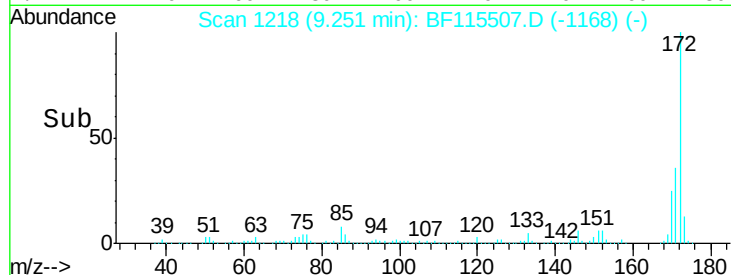
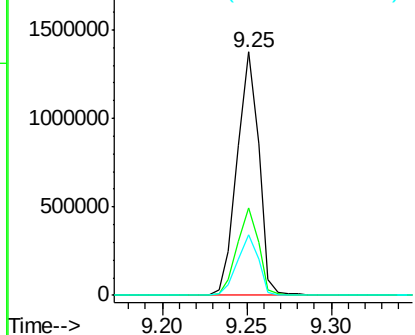
#45
2-Fluorobiphenyl
Concen: 75.100 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PIT

Tot Ion:172 Resp: 1236983
Ion Ratio Lower Upper
172 100
171 36.1 29.8 44.8
170 24.6 20.0 30.0

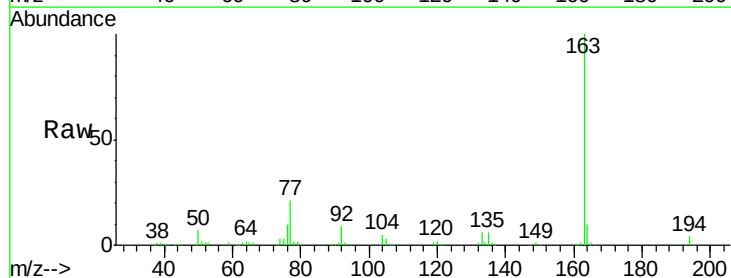


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

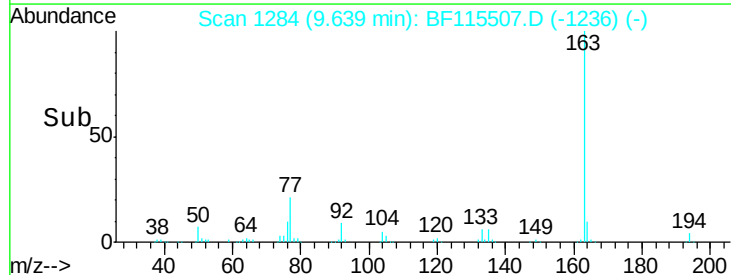
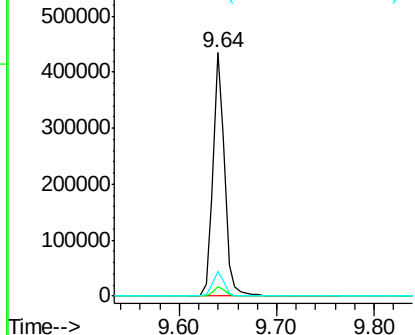


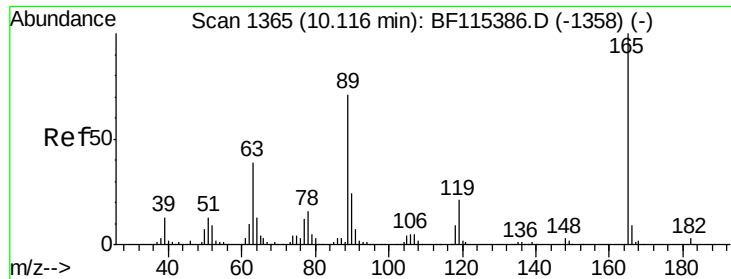
#50
Dimethylphthalate
Concen: 16.569 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Tgt Ion:163 Resp: 359446
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.4 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: 6.203 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF115507.D

Acq: 11 Jul 2019 21:08

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PIT

Tot Ion:165 Resp: 37088

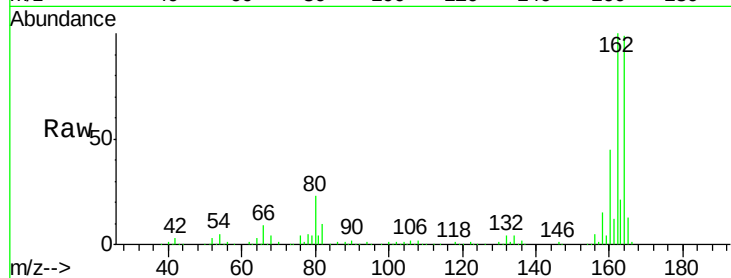
Ion Ratio Lower Upper

165 100

63 1.0 33.0 49.4#

89 1.8 58.5 87.7#

182 0.0 2.1 3.1#

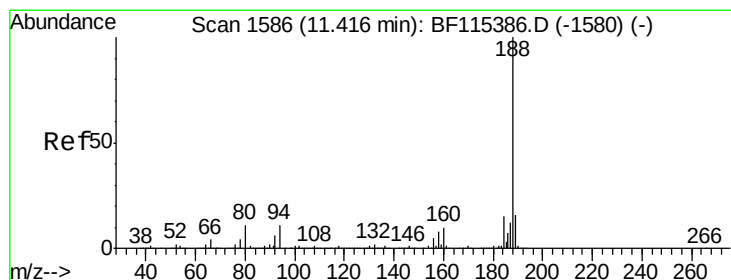
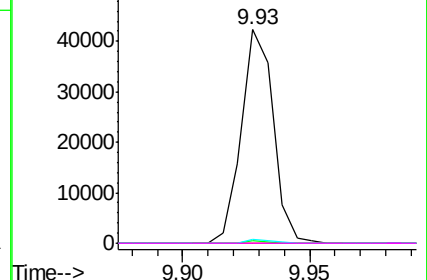
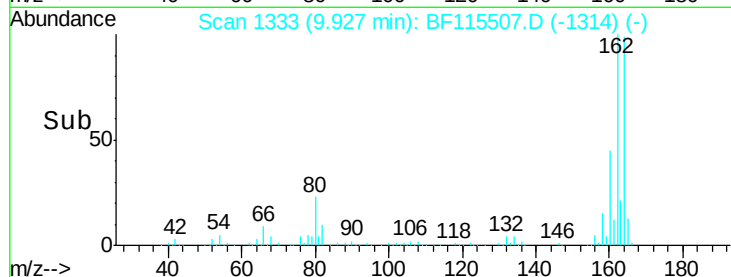


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF115507.D

Acq: 11 Jul 2019 21:08

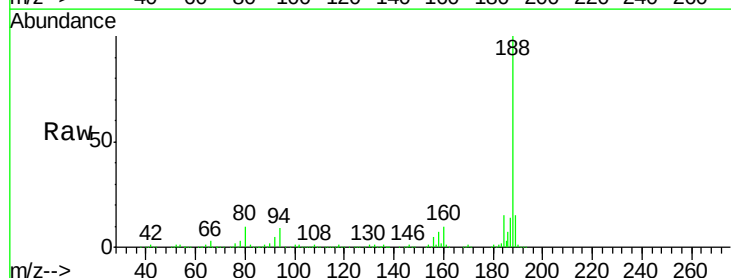
Tgt Ion:188 Resp: 589483

Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.8

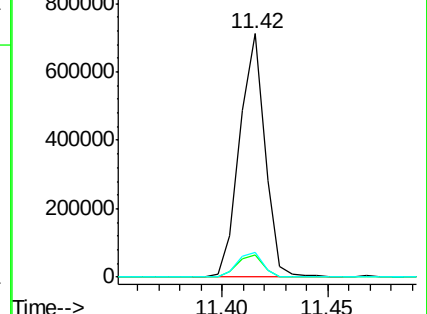
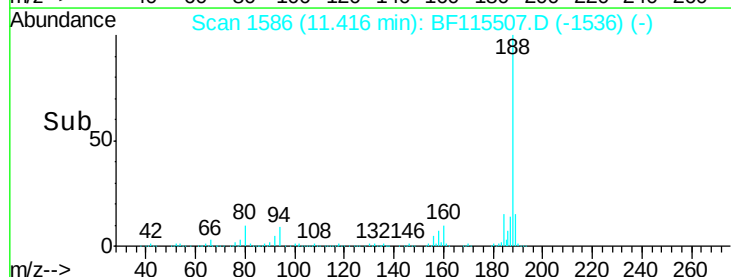
80 9.9 8.4 12.6

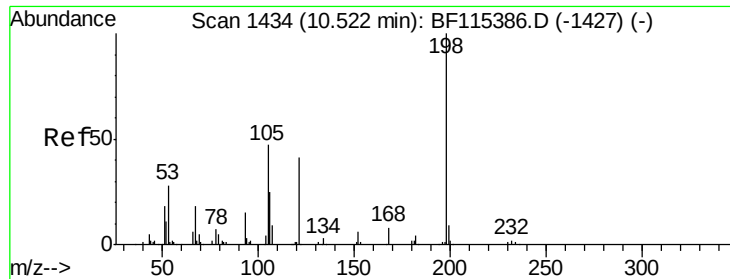


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

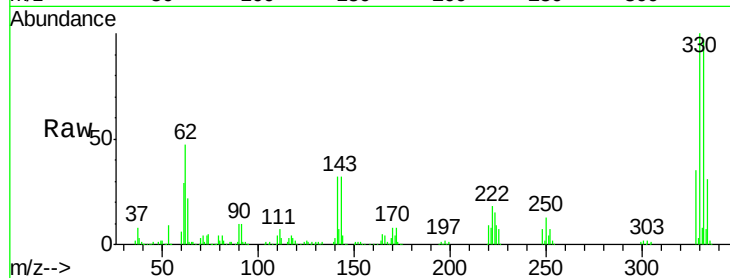




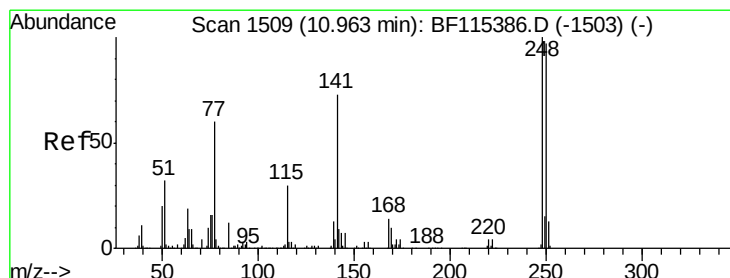
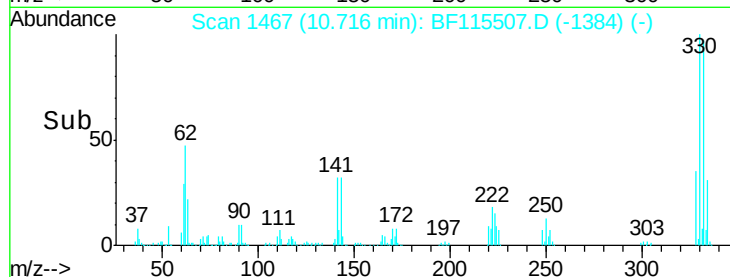
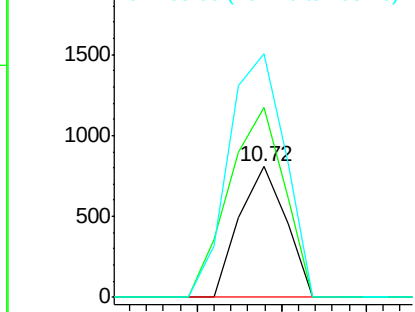
#65
4,6-Dinitro-2-methylphenol
Concen: 8.002 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Instrument :
BNA_F
ClientSampleId :
MANHOLE-TEST-PIT

Tot Ion:198 Resp: 621
Ion Ratio Lower Upper
198 100
51 145.5 20.7 60.7#
105 186.4 25.3 65.3#

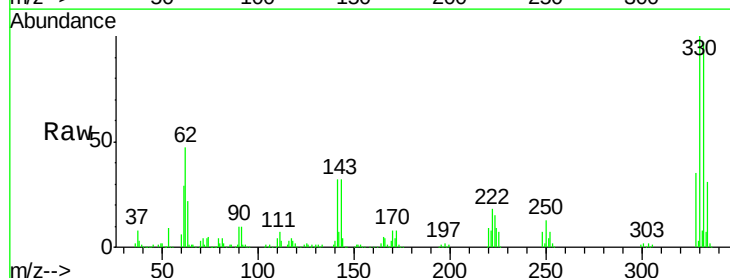


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

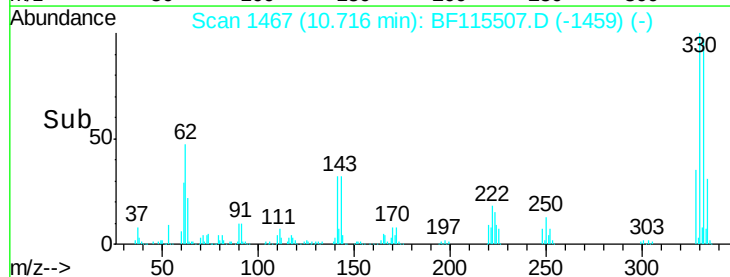
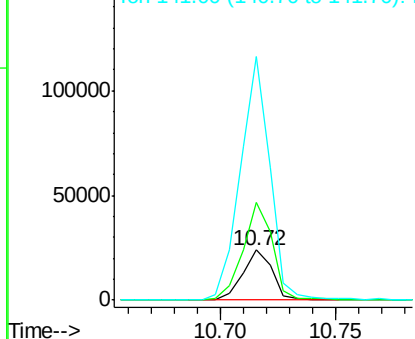


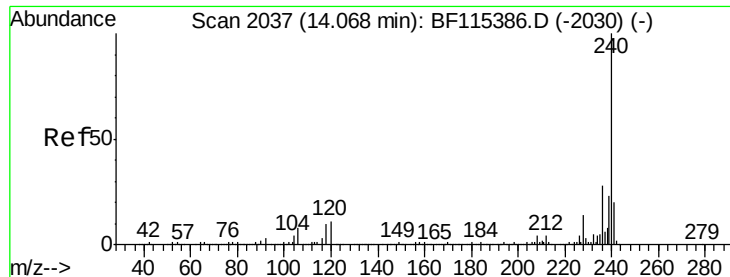
#67
4-Bromophenyl-phenylether
Concen: 3.222 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF115507.D
Acq: 11 Jul 2019 21:08

Tgt Ion:248 Resp: 21312
Ion Ratio Lower Upper
248 100
250 194.4 78.3 117.5#
141 484.7 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: BF115507.D

Acq: 11 Jul 2019 21:08

Instrument :

BNA_F

ClientSampleId :

MANHOLE-TEST-PIT

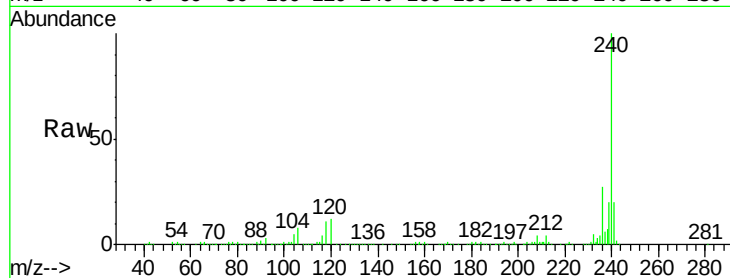
Tot Ion:240 Resp: 459719

Ion Ratio Lower Upper

240 100

120 12.0 10.2 15.4

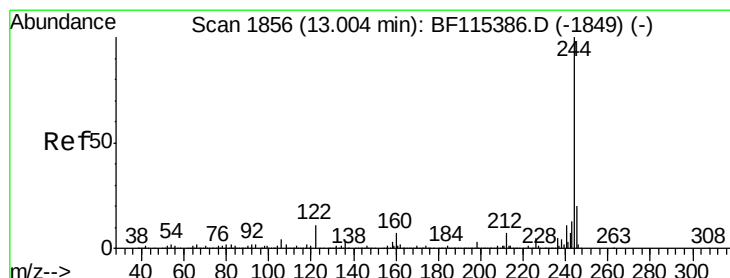
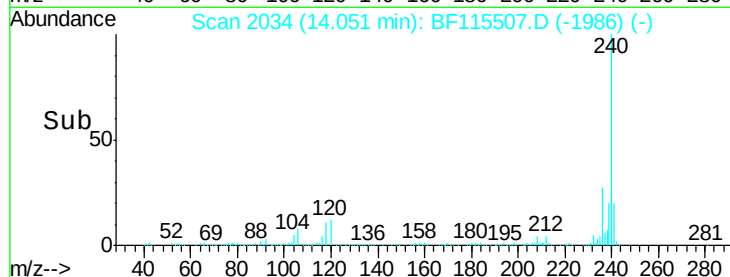
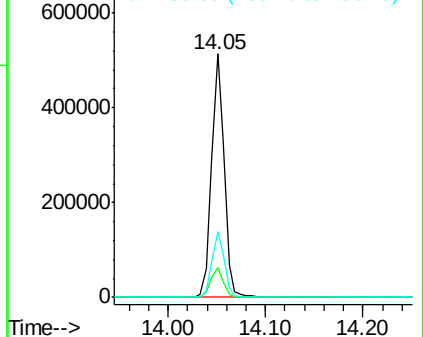
236 27.2 21.1 31.7



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: 68.696 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF115507.D

Acq: 11 Jul 2019 21:08

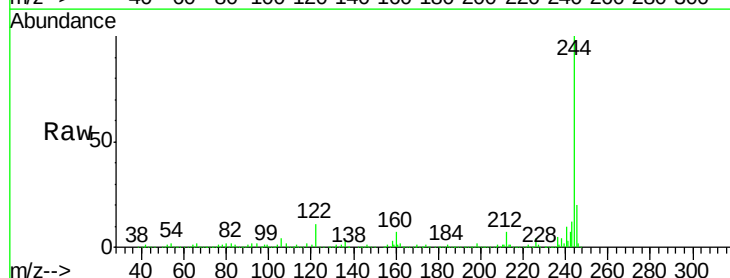
Tgt Ion:244 Resp: 1542398

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

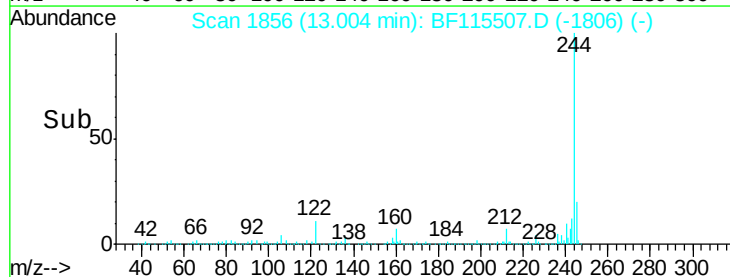
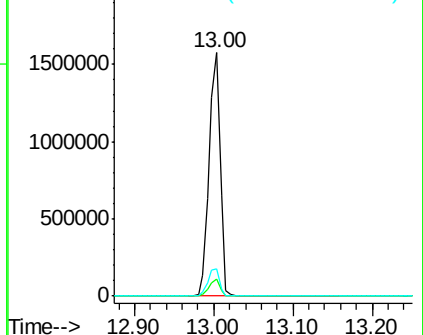
122 11.2 9.1 13.7

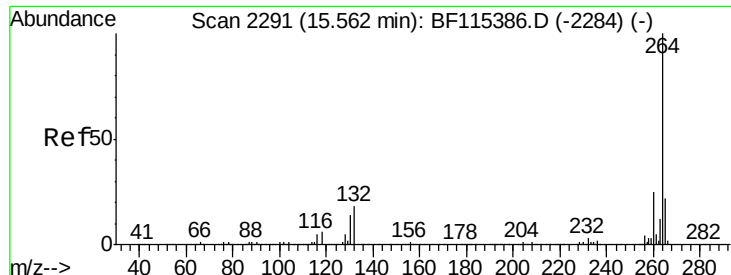


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

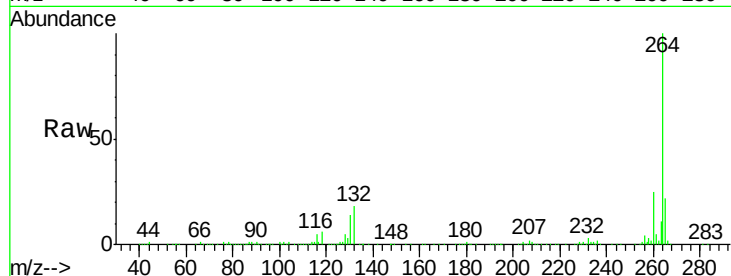




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2285
 Delta R.T. -0.04 min
 Lab File: BF115507.D
 Acq: 11 Jul 2019 21:08

Instrument :
 BNA_F
 ClientSampleId :
 MANHOLE-TEST-PIT

Tot Ion:	264	Resp:	418496
Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.1	30.1
265	22.1	17.8	26.6



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

