

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110257.D
 Acq On : 29 Oct 2018 12:52
 Operator : JU/SJ
 Sample : J5703-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-02-BASE

Quant Time: Oct 29 13:19:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 12:32:31 2018
 Response via : Initial Calibration

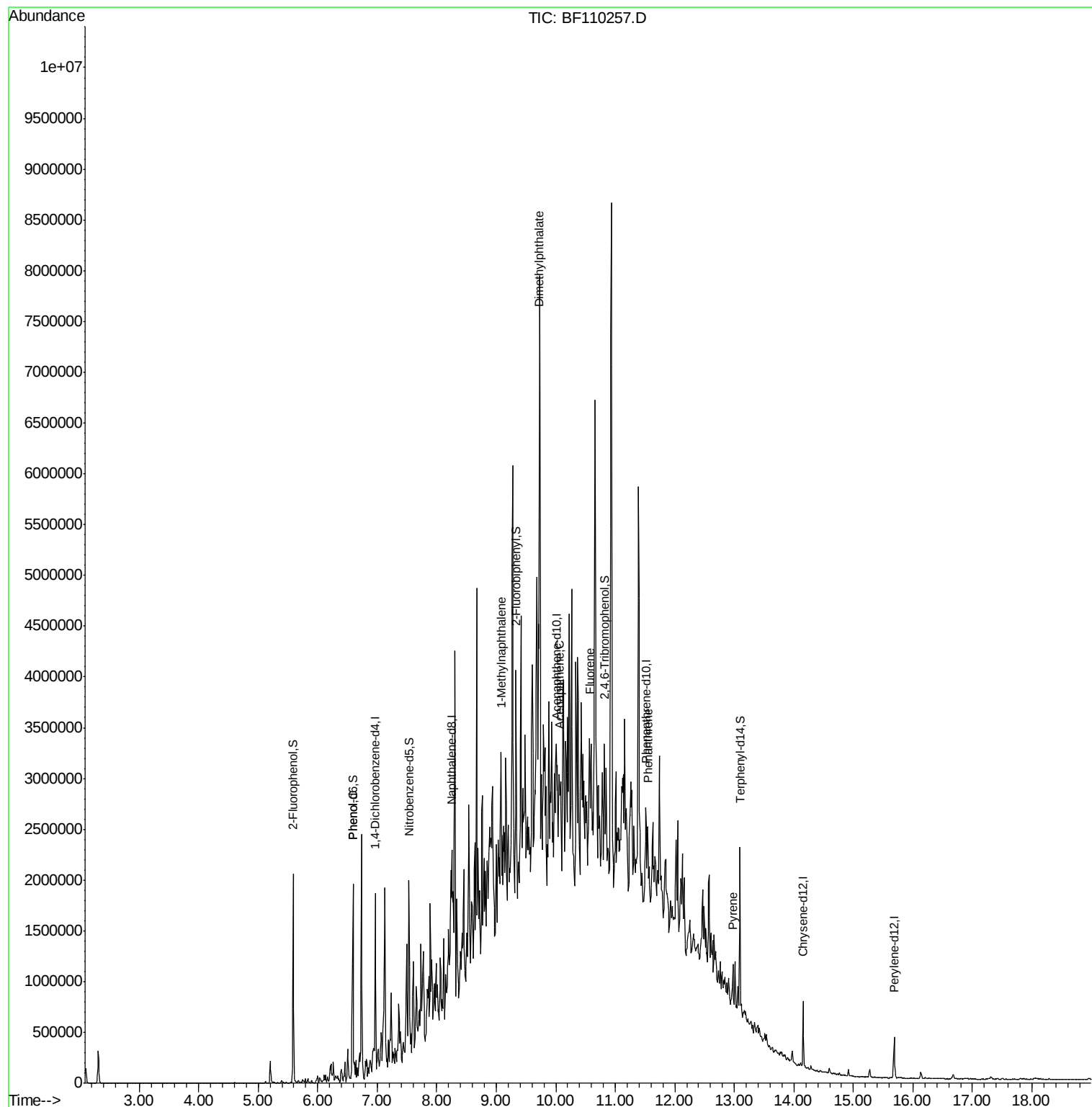
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	95339	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	364897	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	157918	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	246941	20.00	ng	0.00
76) Chrysene-d12	14.16	240	199760	20.00	ng	0.00
87) Perylene-d12	15.69	264	176457	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	561693	95.94	ng	0.00
7) Phenol-d6	6.59	99	709438	94.74	ng	0.00
23) Nitrobenzene-d5	7.53	82	431856	70.20	ng	0.00
42) 2,4,6-Tribromophenol	10.82	330	123980	79.26	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	684352	68.05	ng	0.00
79) Terphenyl-d14	13.09	244	522884	54.44	ng	0.00
Target Compounds						
10) Phenol	6.60	94	41772	5.218	ng	# 75
38) 1-Methylnaphthalene	9.07	142	225298	20.952	ng	# 98
50) Dimethylphthalate	9.72	163	104763	8.987	ng	# 86
52) Acenaphthene	10.06	154	64344	6.429	ng	# 77
58) Fluorene	10.57	166	118949	11.405	ng	# 86
71) Phenanthrene	11.54	178	280278	21.691	ng	# 93
78) Pyrene	12.96	202	74135	5.177	ng	# 91

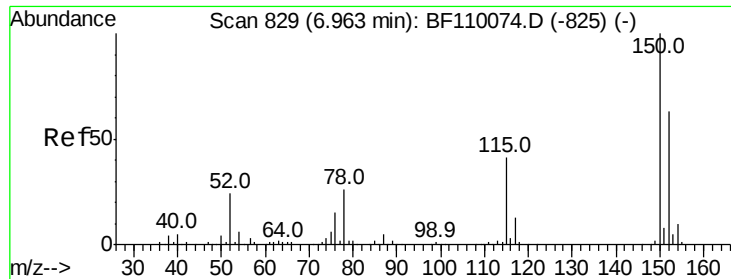
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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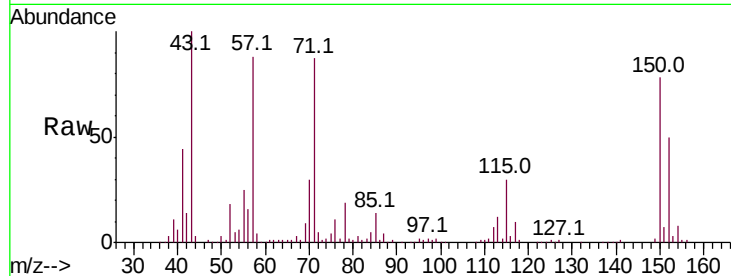


#1

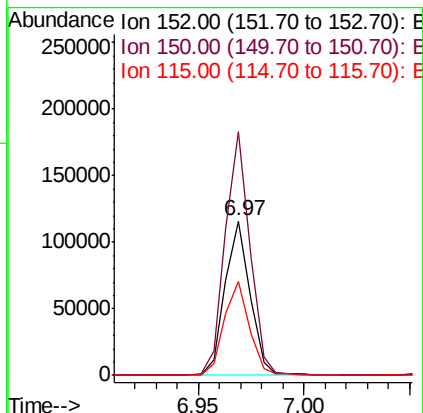
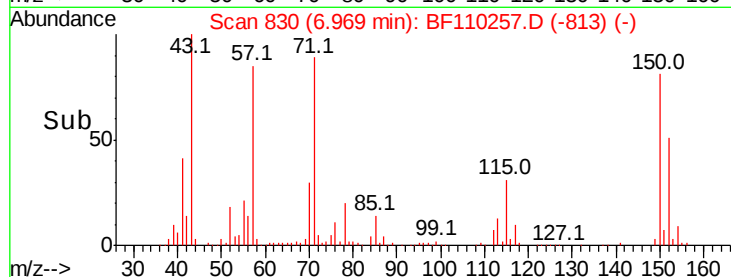
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110257.D
Acq: 29 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :
TRENCH-02-BASE

Tot Ion:152 Resp: 95339
Ion Ratio Lower Upper
152 100
150 157.8 122.7 184.1
115 61.1 49.1 73.7



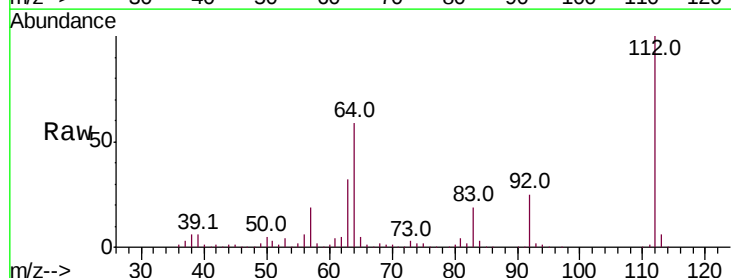
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



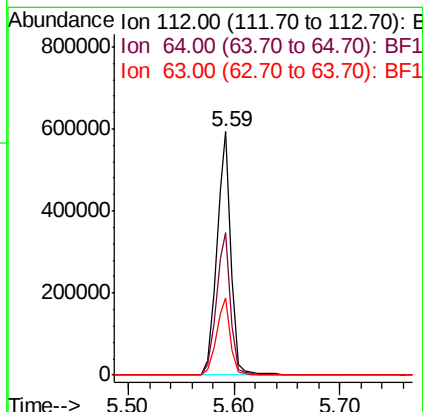
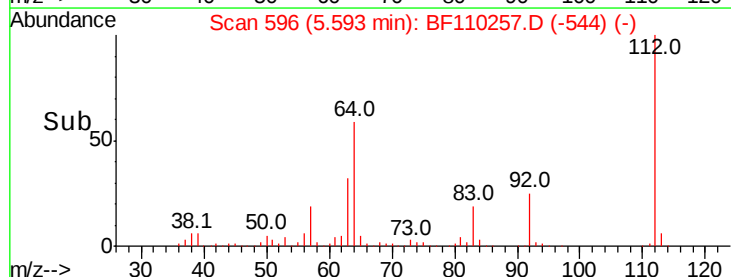
#5

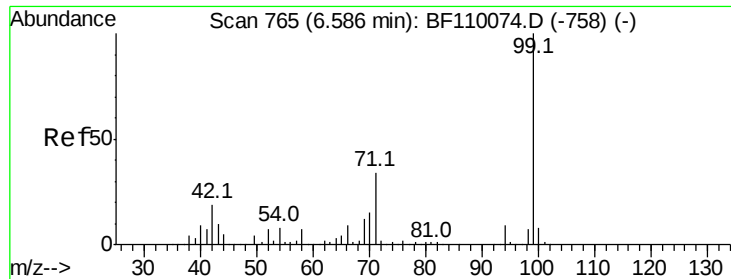
2-Fluorophenol
Concen: 95.941 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF110257.D
Acq: 29 Oct 2018 12:52

Tgt Ion:112 Resp: 561693
Ion Ratio Lower Upper
112 100
64 58.7 44.1 66.1
63 31.6 23.7 35.5



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: 94.738 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

TRENCH-02-BASE

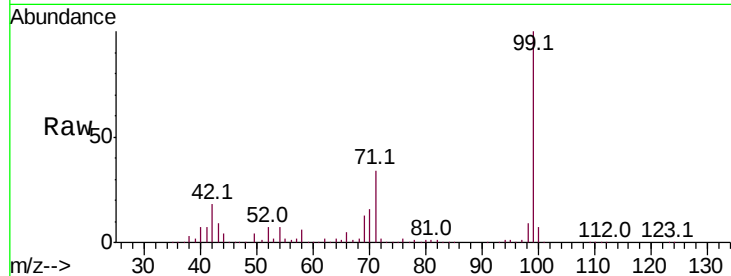
Tot Ion: 99 Resp: 709438

Ion Ratio Lower Upper

99 100

42 18.4 15.8 23.6

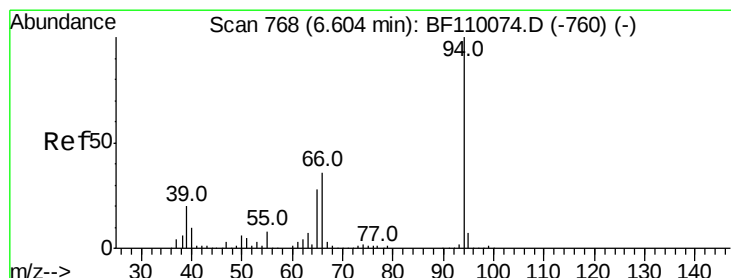
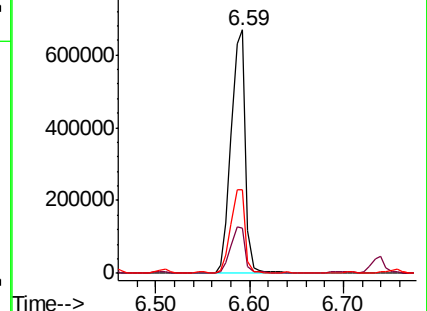
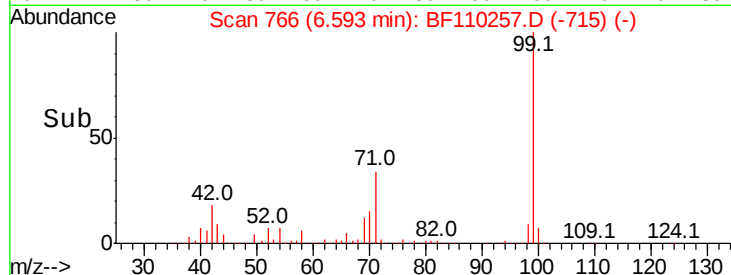
71 34.3 28.0 42.0



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



#10

Phenol

Concen: 5.218 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

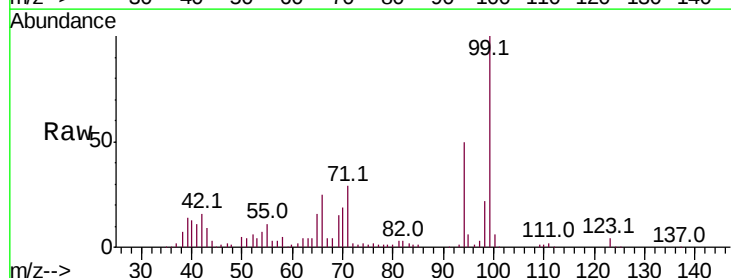
Tgt Ion: 94 Resp: 41772

Ion Ratio Lower Upper

94 100

65 32.8 25.3 65.3

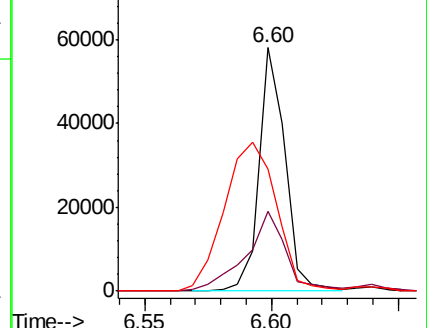
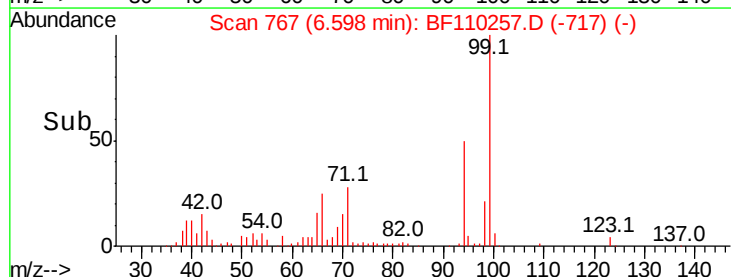
66 50.1 54.5 94.5#

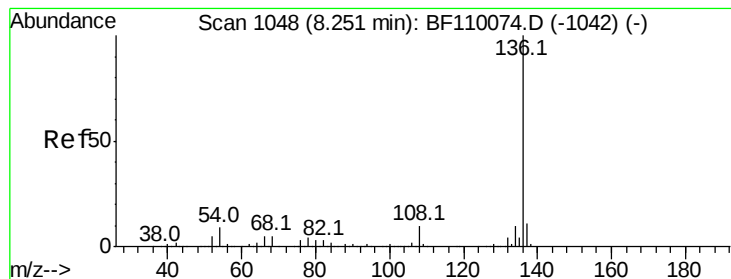


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

TRENCH-02-BASE

Tot Ion:136 Resp: 364897

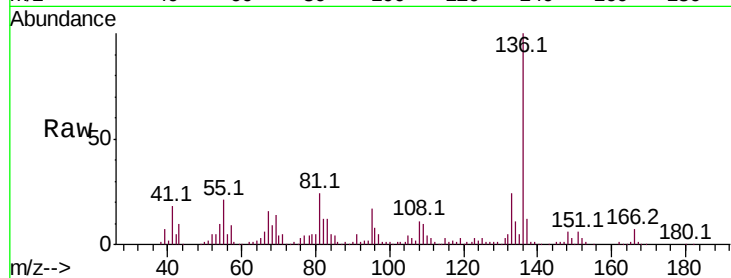
Ion Ratio Lower Upper

136 100

137 12.0 8.8 13.2

54 10.0 5.4 8.2#

68 9.3 4.2 6.2#

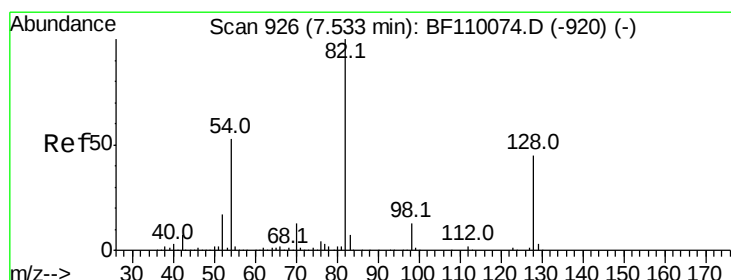
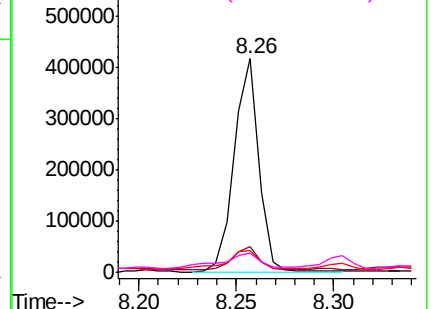
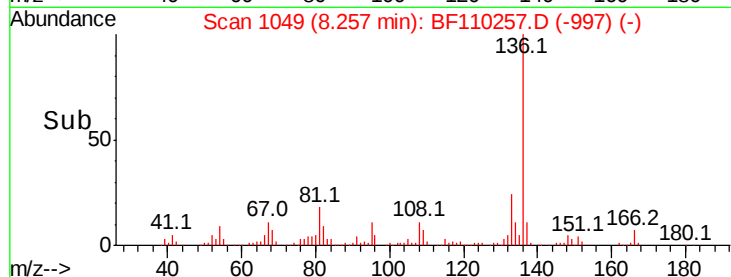


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.197 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

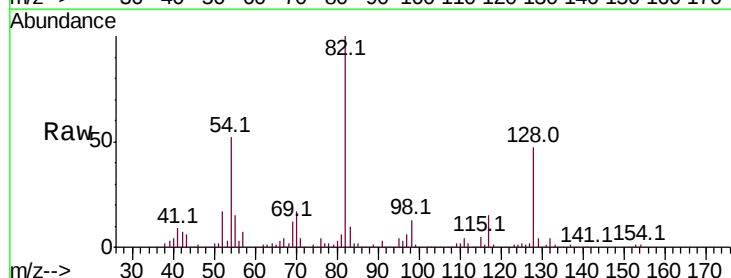
Tgt Ion: 82 Resp: 431856

Ion Ratio Lower Upper

82 100

128 46.9 34.2 51.2

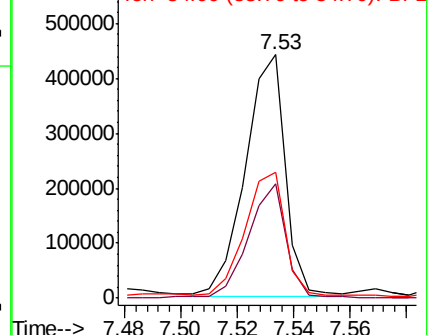
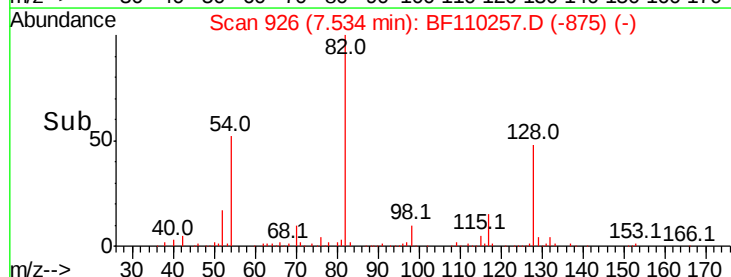
54 51.9 38.6 58.0

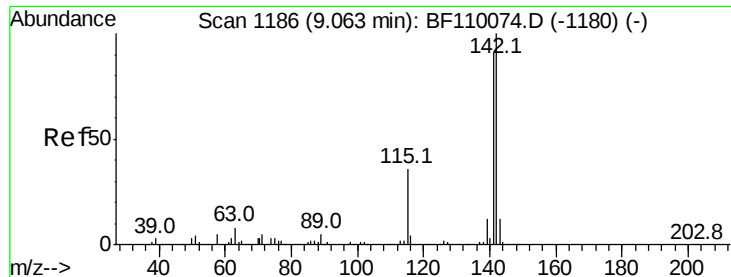


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

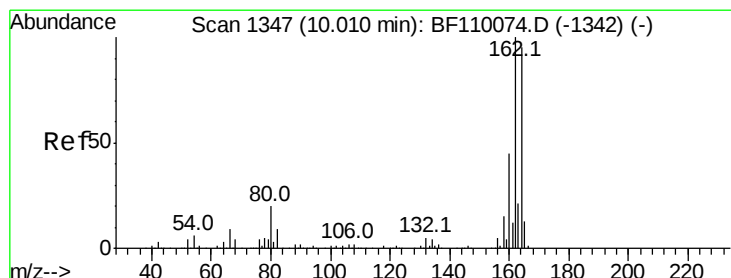
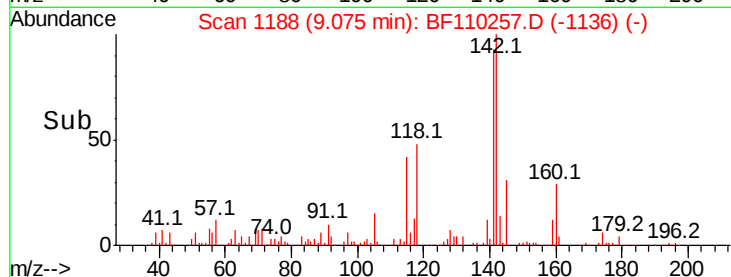
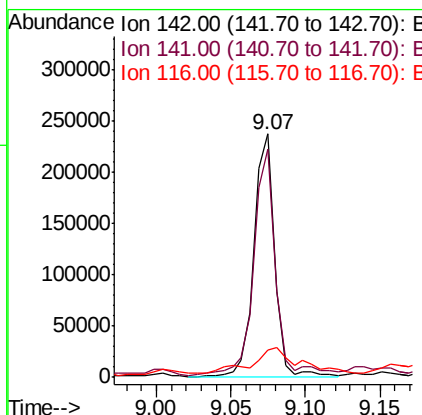
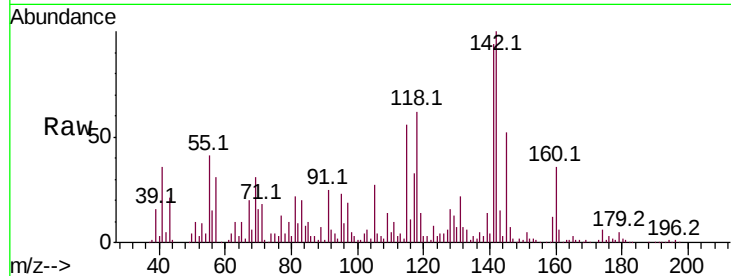




#38
1-Methylnaphthalene
Concen: 20.952 ng
RT: 9.07 min Scan# 1188
Delta R.T. 0.01 min
Lab File: BF110257.D
Acq: 29 Oct 2018 12:52

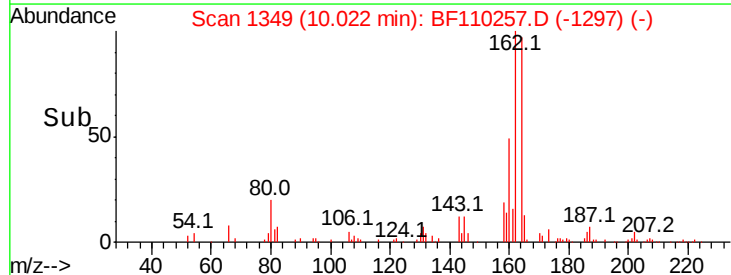
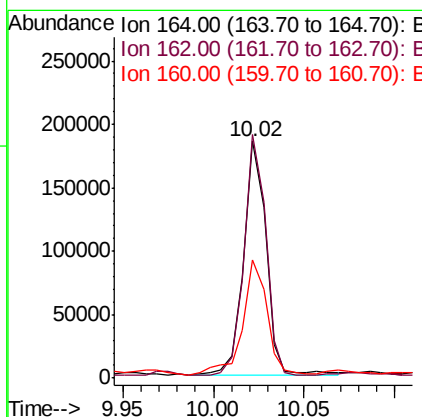
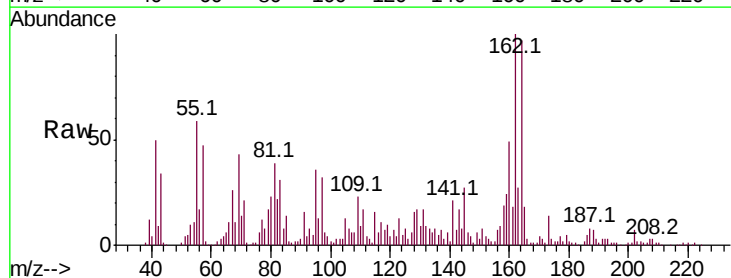
Instrument :
BNA_F
ClientSampleId :
TRENCH-02-BASE

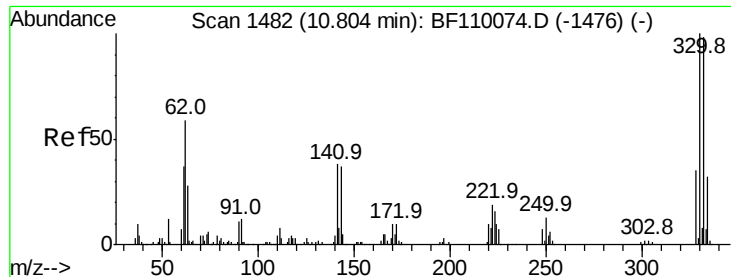
Tot Ion:142 Resp: 225298
Ion Ratio Lower Upper
142 100
141 93.9 74.2 111.4
116 11.0 2.6 4.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF110257.D
Acq: 29 Oct 2018 12:52

Tgt Ion:164 Resp: 157918
Ion Ratio Lower Upper
164 100
162 102.8 83.0 124.6
160 50.1 37.0 55.6

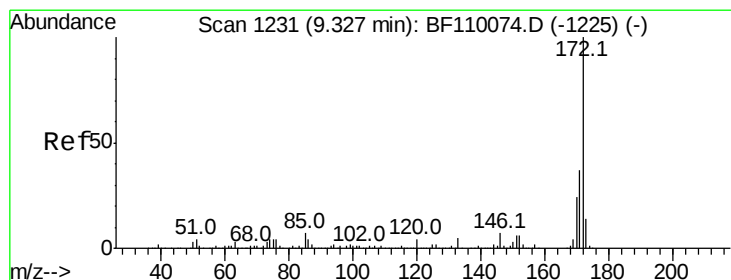
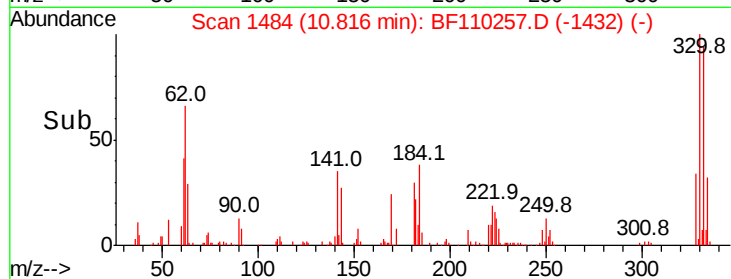
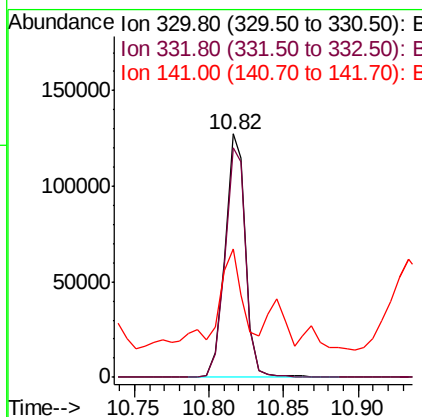
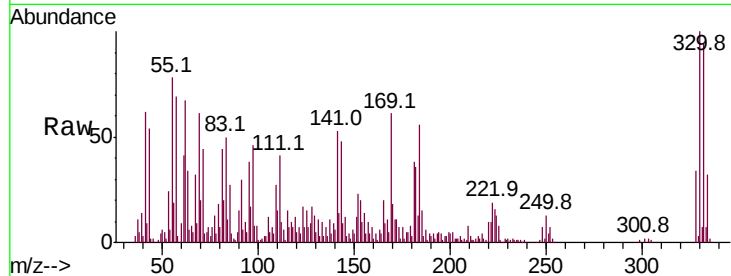




#42
 2,4,6-Tribromophenol
 Concen: 79.257 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: BF110257.D
 Acq: 29 Oct 2018 12:52

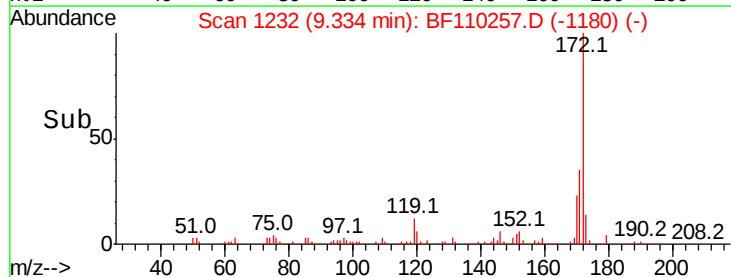
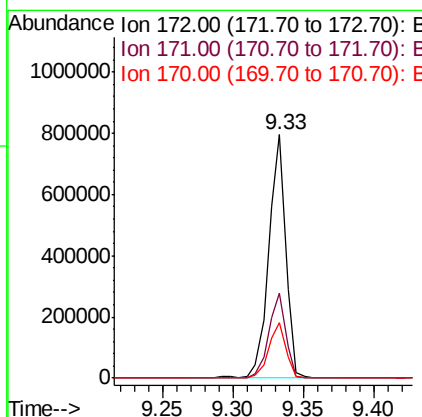
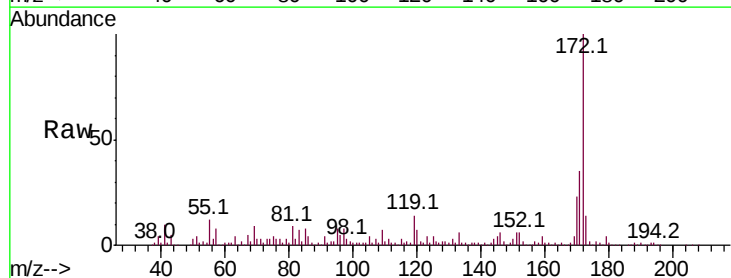
Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-02-BASE

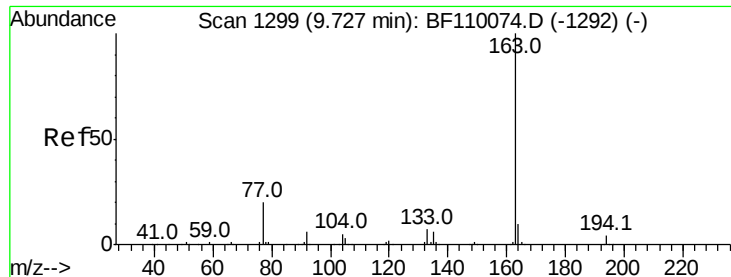
Tot Ion:330 Resp: 123980
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.1 115.7
 141 48.0 27.0 40.4#



#45
 2-Fluorobiphenyl
 Concen: 68.049 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF110257.D
 Acq: 29 Oct 2018 12:52

Tgt Ion:172 Resp: 684352
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 43.0
 170 23.0 19.7 29.5





#50

Dimethylphthalate

Concen: 8.987 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

TRENCH-02-BASE

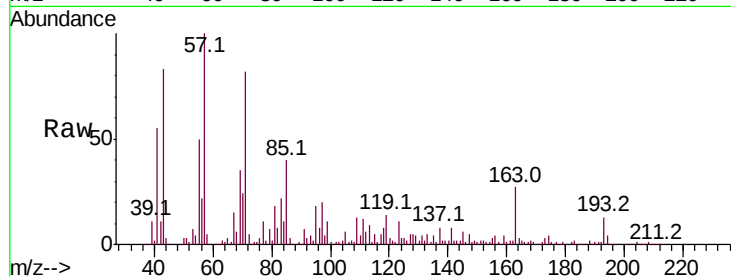
Tot Ion:163 Resp: 104763

Ion Ratio Lower Upper

163 100

194 14.0 3.2 4.8#

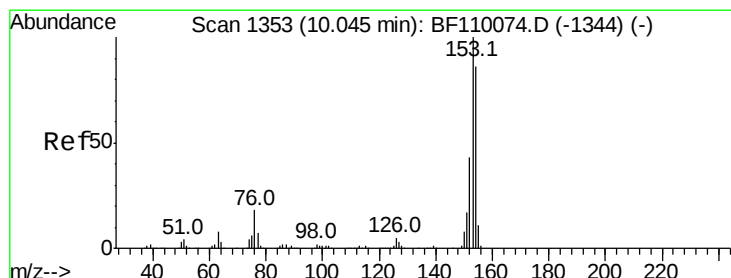
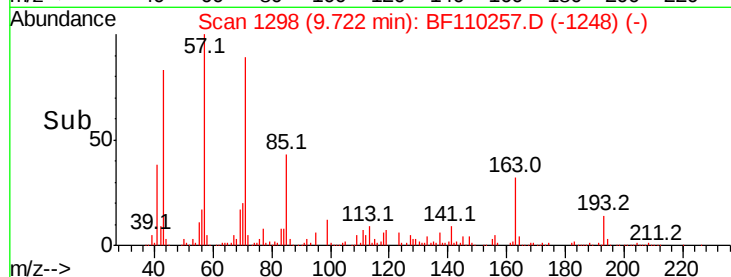
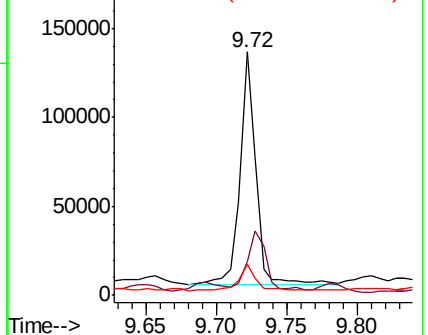
164 12.7 8.1 12.1#



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



#52

Acenaphthene

Concen: 6.429 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

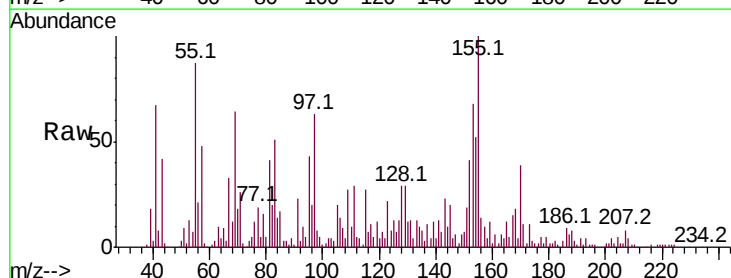
Tgt Ion:154 Resp: 64344

Ion Ratio Lower Upper

154 100

153 131.6 90.1 135.1

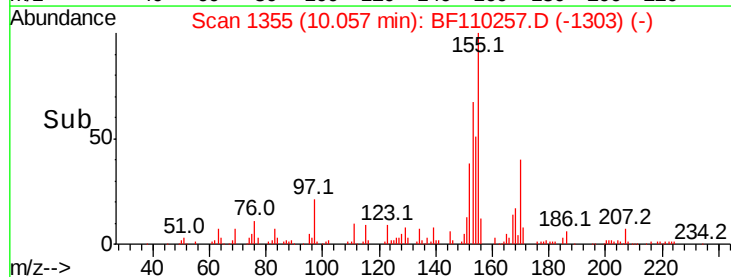
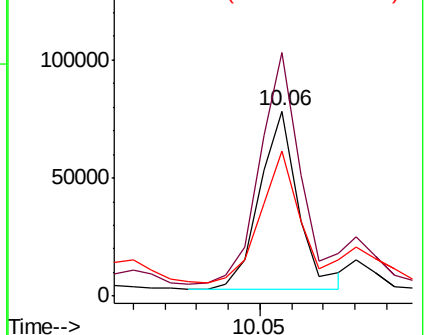
152 78.4 43.4 65.2#

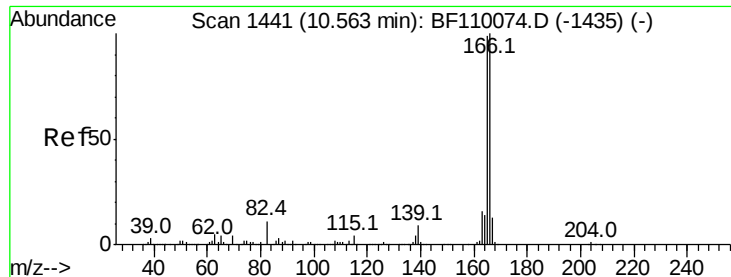


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

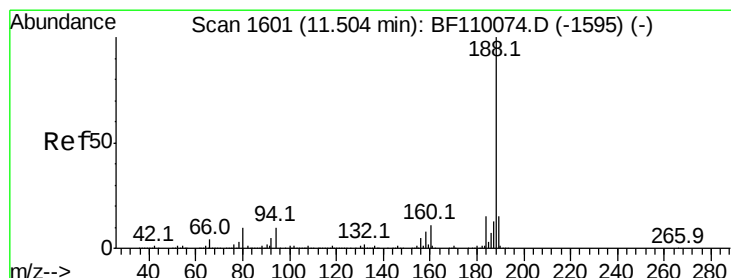
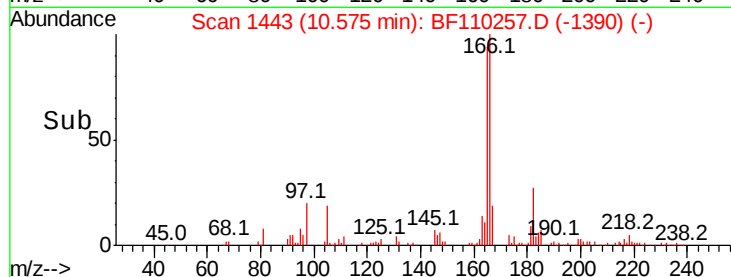
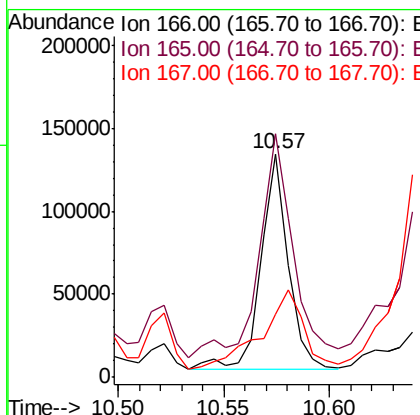
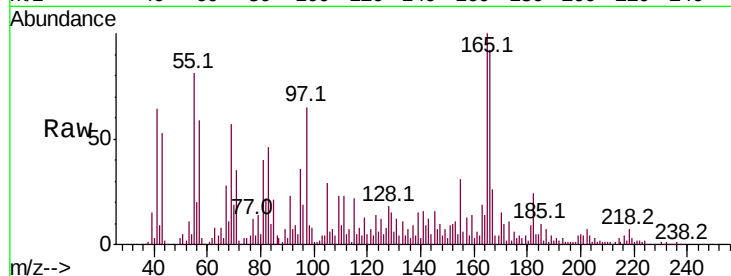




#58
 Fluorene
 Concen: 11.405 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: BF110257.D
 Acq: 29 Oct 2018 12:52

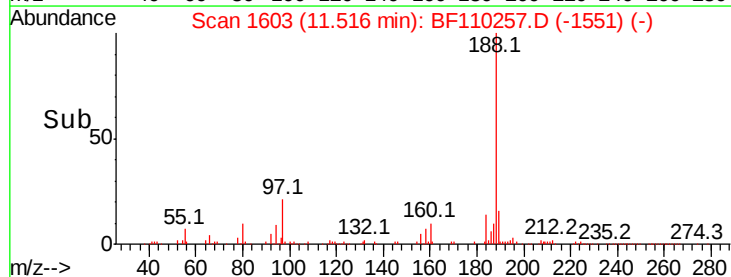
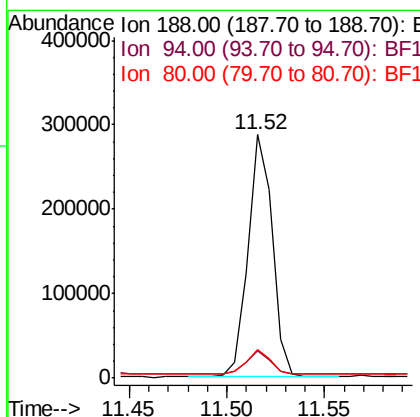
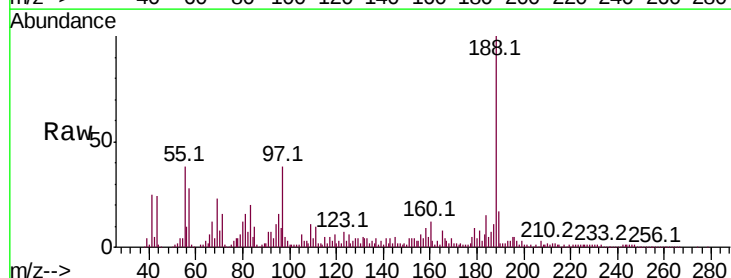
Instrument :
 BNA_F
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 TRENCH-02-BASE

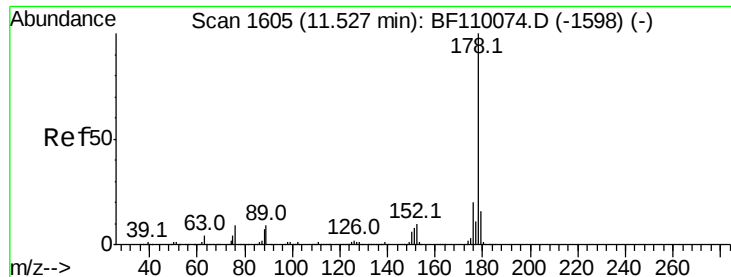
Tot Ion:166 Resp: 118949
 Ion Ratio Lower Upper
 166 100
 165 108.9 78.6 117.8
 167 28.1 10.8 16.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.01 min
 Lab File: BF110257.D
 Acq: 29 Oct 2018 12:52

Tgt Ion:188 Resp: 246941
 Ion Ratio Lower Upper
 188 100
 94 11.1 7.2 10.8#
 80 11.7 7.9 11.9





#71

Phenanthrene

Concen: 21.691 ng

RT: 11.54 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

TRENCH-02-BASE

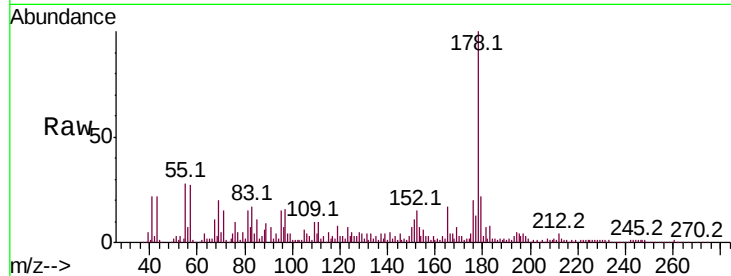
Tot Ion:178 Resp: 280278

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

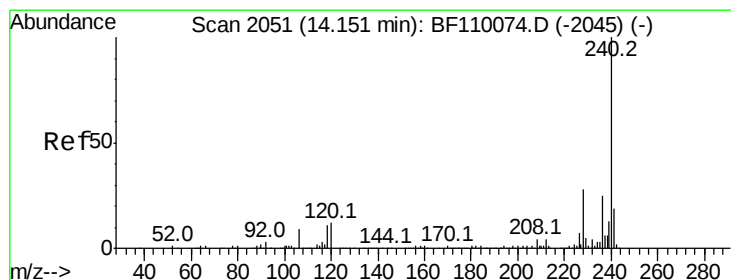
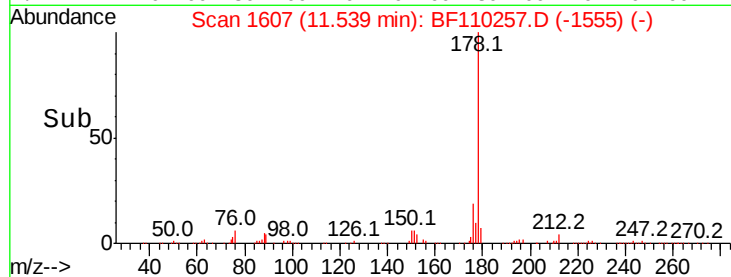
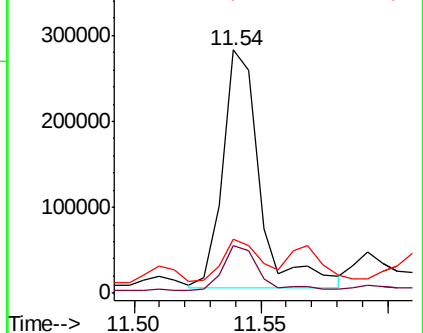
179 22.1 12.5 18.7#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.00 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

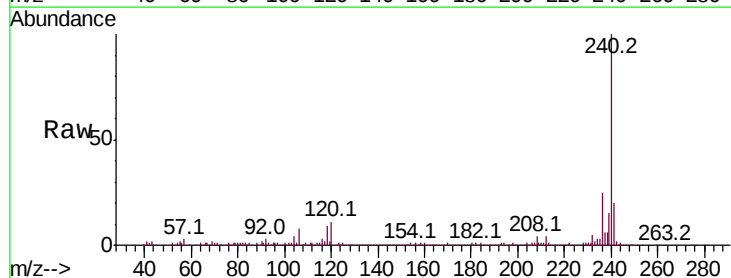
Tgt Ion:240 Resp: 199760

Ion Ratio Lower Upper

240 100

120 10.8 8.3 12.5

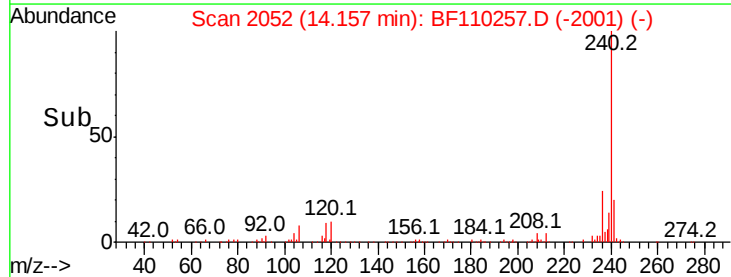
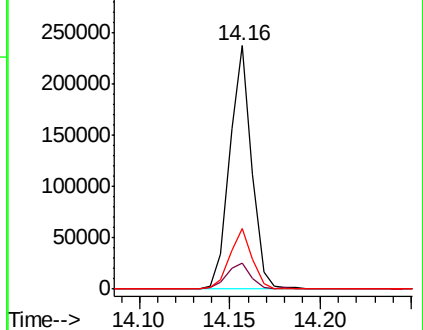
236 24.8 21.2 31.8

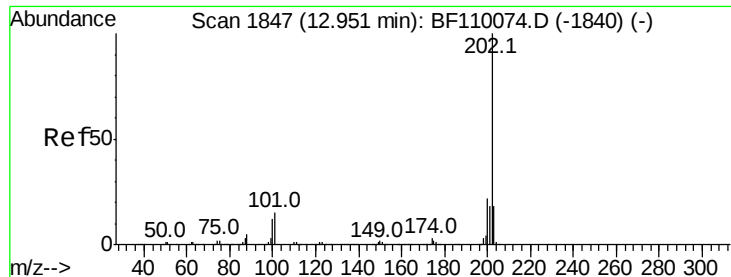


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.177 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

Instrument :

BNA_F

ClientSampleId :

TRENCH-02-BASE

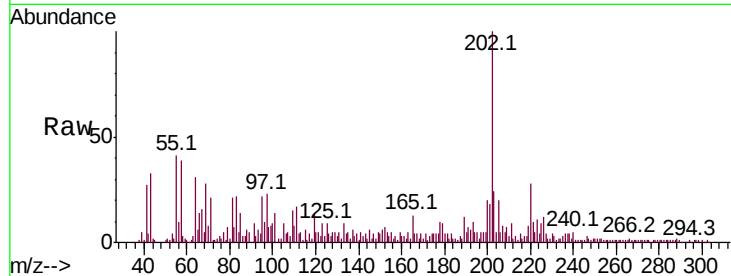
Tot Ion:202 Resp: 74135

Ion Ratio Lower Upper

202 100

200 19.9 17.8 26.6

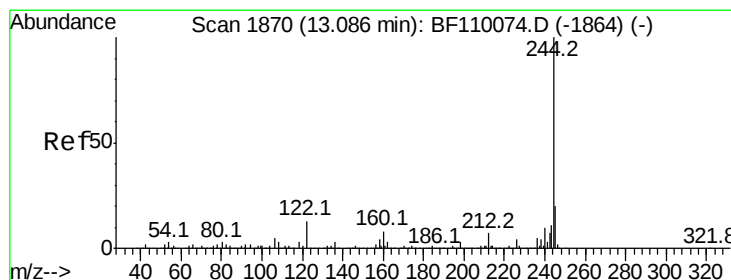
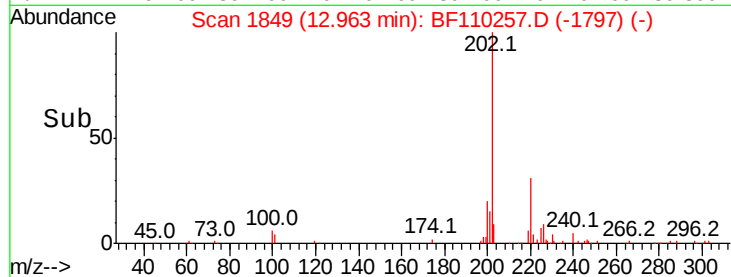
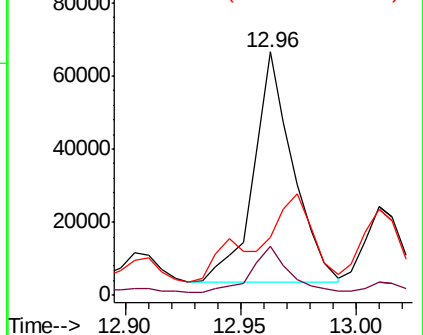
203 23.9 14.2 21.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 54.438 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF110257.D

Acq: 29 Oct 2018 12:52

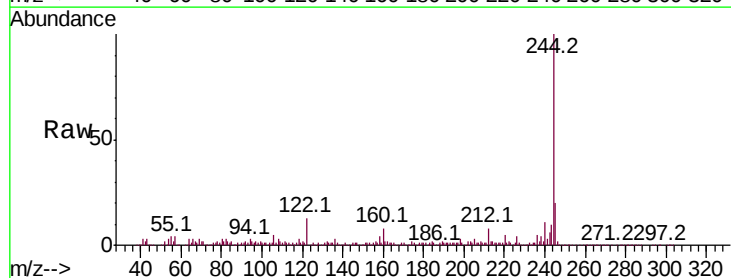
Tgt Ion:244 Resp: 522884

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

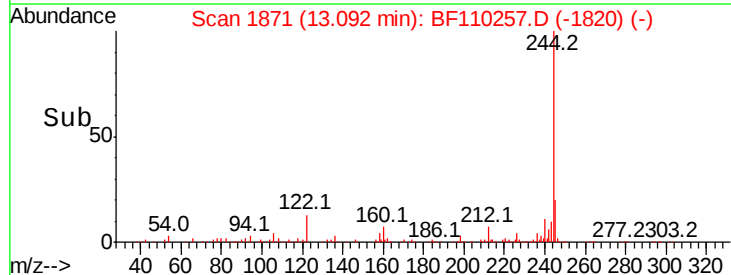
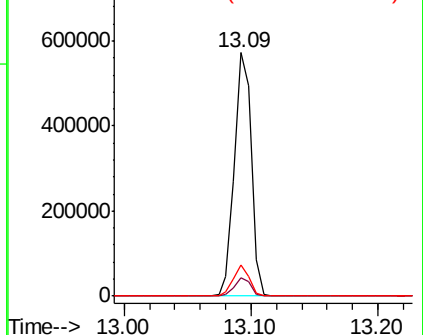
122 13.0 8.7 13.1

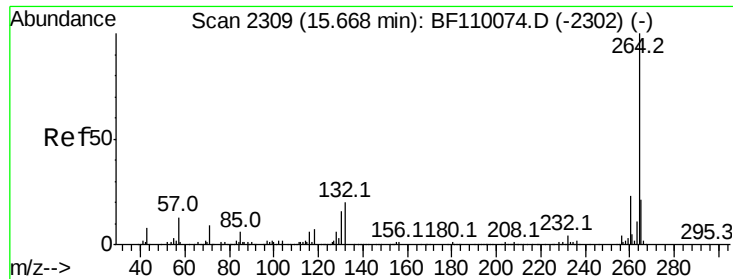


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

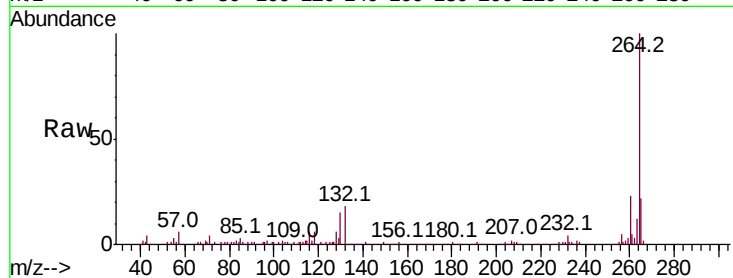




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BF110257.D
Acq: 29 Oct 2018 12:52

Instrument :
BNA_F
ClientSampleId :
TRENCH-02-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	22.0	16.7	25.1



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

