

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110259.D
 Acq On : 29 Oct 2018 13:45
 Operator : JU/SJ
 Sample : J5703-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-01-BASEDL

Quant Time: Oct 29 14:28:26 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

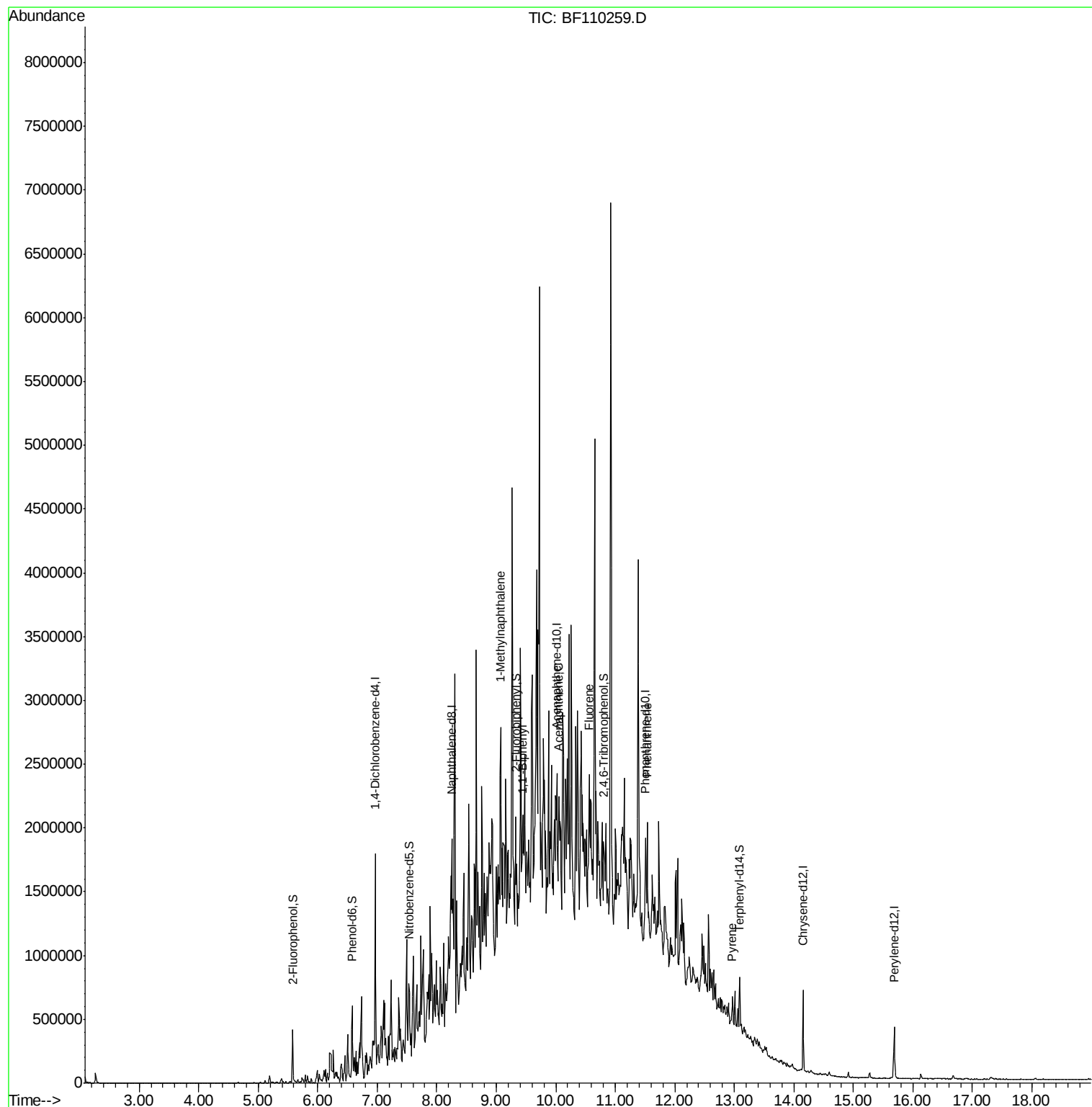
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	98045	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	388030	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	162327	20.00	ng	0.00
64) Phenanthrene-d10	11.52	188	248934	20.00	ng	0.00
76) Chrysene-d12	14.16	240	209406	20.00	ng	0.00
87) Perylene-d12	15.69	264	185962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	120305	19.98	ng	0.00
7) Phenol-d6	6.58	99	159258	20.68	ng	-0.01
23) Nitrobenzene-d5	7.53	82	95883	14.66	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	22562	14.03	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	167376	16.19	ng	0.00
79) Terphenyl-d14	13.09	244	122138	12.13	ng	0.00
Target Compounds						
38) 1-Methylnaphthalene	9.07	142	267095	23.359	ng	Qvalue # 98
46) 1,1'-Biphenyl	9.43	154	77149	5.256	ng	# 99
52) Acenaphthene	10.05	154	51767	5.032	ng	# 72
58) Fluorene	10.57	166	101966	9.511	ng	# 92
71) Phenanthrene	11.54	178	320102	24.575	ng	# 98
78) Pyrene	12.96	202	44867	2.989	ng	# 93

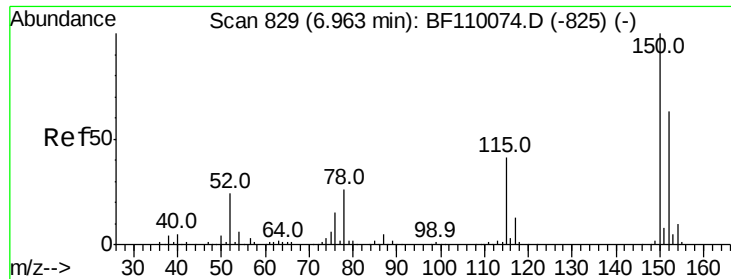
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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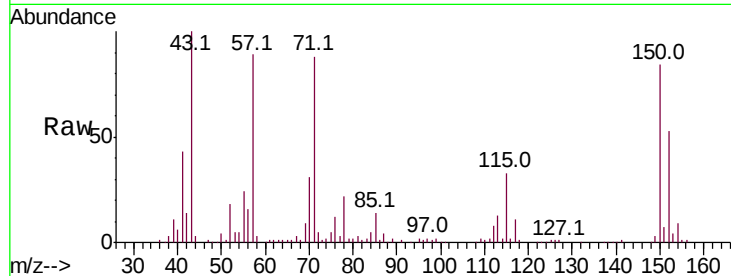


#1

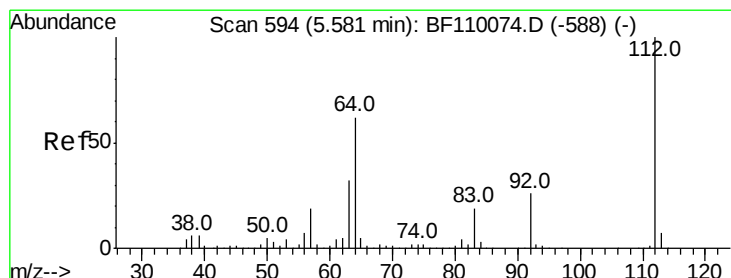
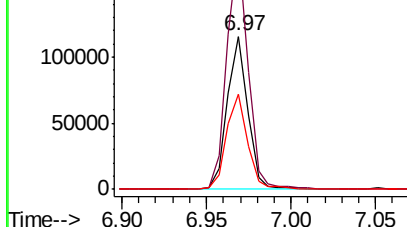
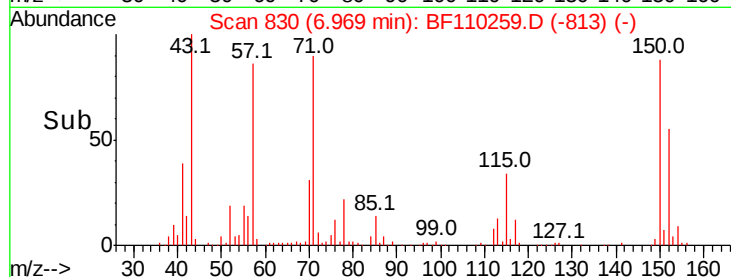
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

Instrument :
BNA_F
ClientSampleId :
TRENCH-01-BASEDL

Tot Ion:152 Resp: 98045
Ion Ratio Lower Upper
152 100
150 159.1 122.7 184.1
115 62.2 49.1 73.7



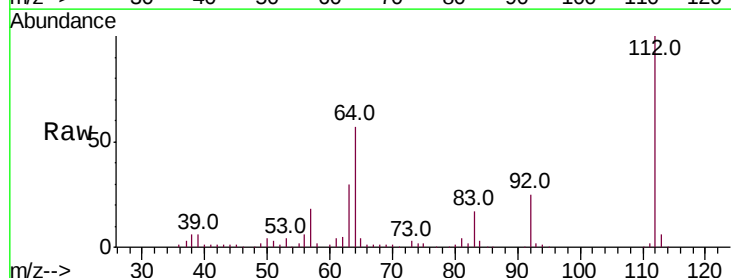
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



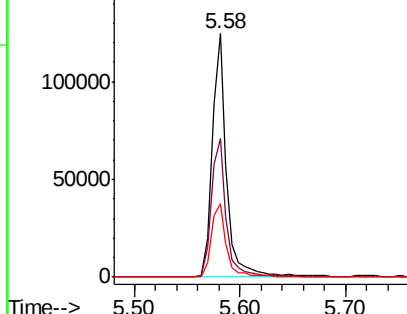
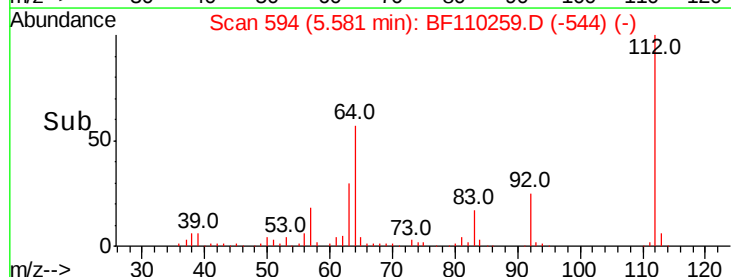
#5

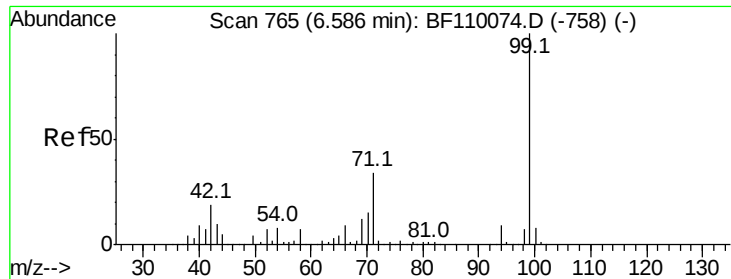
2-Fluorophenol
Concen: 19.982 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

Tgt Ion:112 Resp: 120305
Ion Ratio Lower Upper
112 100
64 57.1 44.1 66.1
63 30.0 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: 20.680 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

Instrument :

BNA_F

ClientSampleId :

TRENCH-01-BASEDL

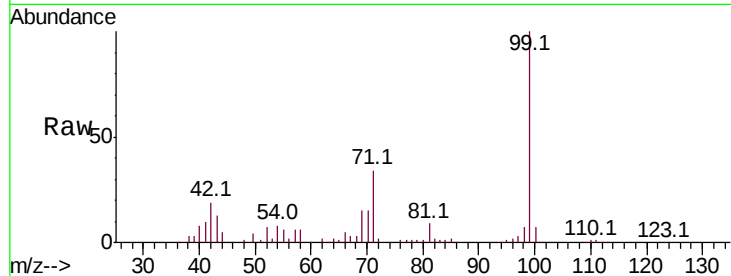
Tot Ion: 99 Resp: 159258

Ion Ratio Lower Upper

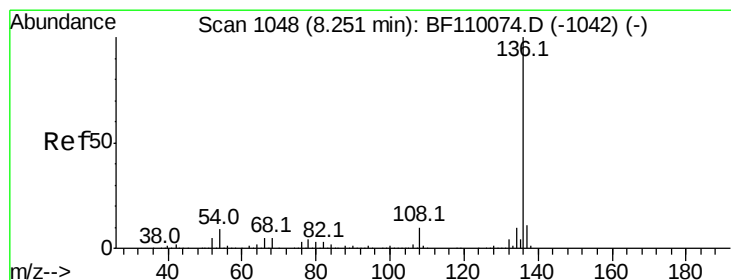
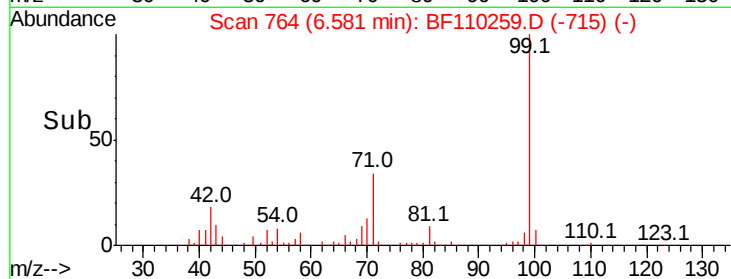
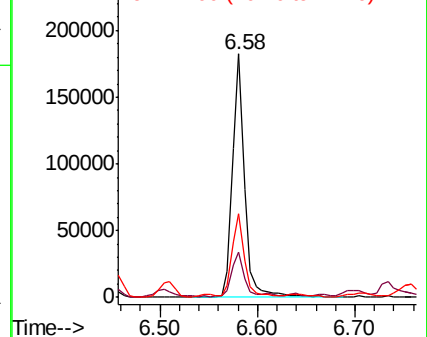
99 100

42 18.7 15.8 23.6

71 34.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

Tgt Ion: 136 Resp: 388030

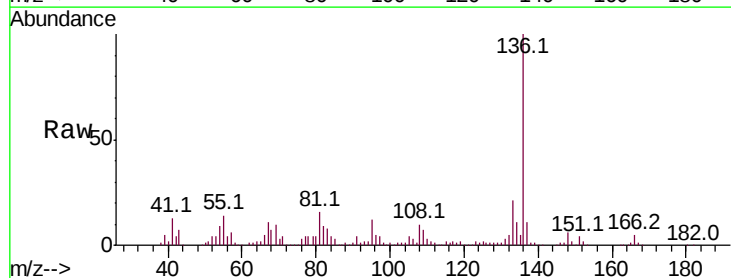
Ion Ratio Lower Upper

136 100

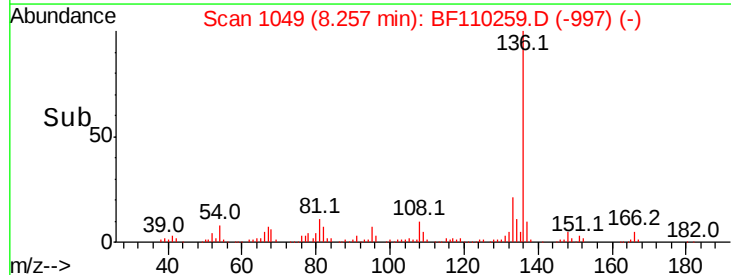
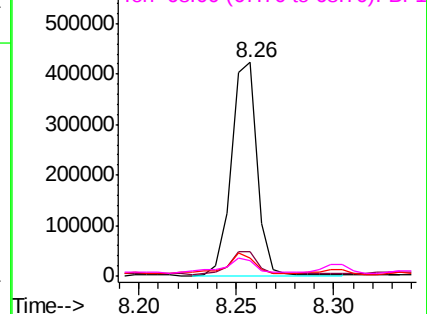
137 11.3 8.8 13.2

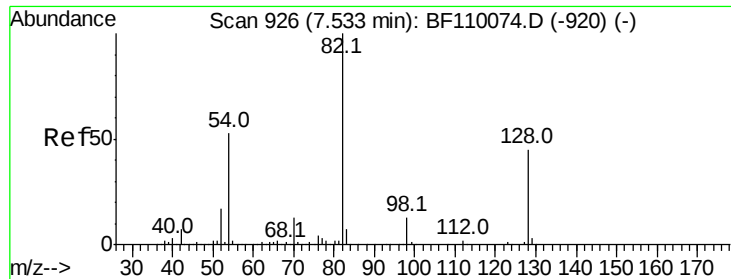
54 8.6 5.4 8.2#

68 7.1 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

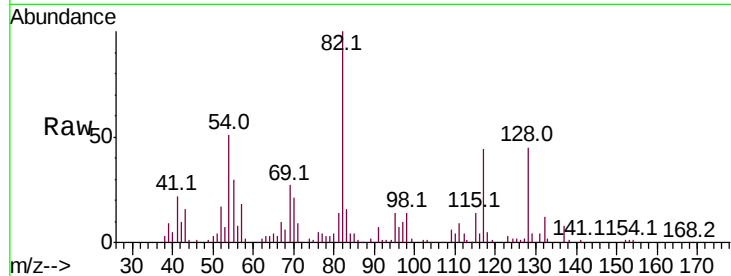




#23
Nitrobenzene-d5
Concen: 14.656 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

Instrument :
BNA_F
ClientSampleId :
TRENCH-01-BASEDL

Tot Ion	82	Resp	95883
Ion Ratio	Lower	Upper	
82	100		
128	45.5	34.2	51.2
54	50.8	38.6	58.0

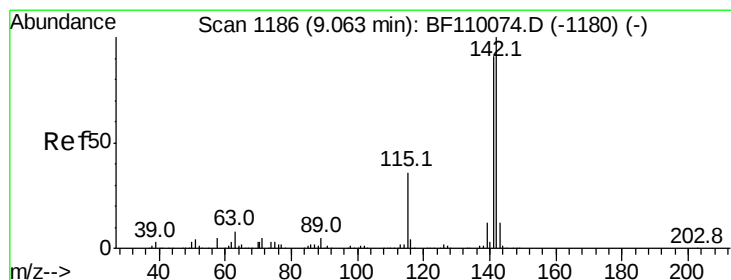
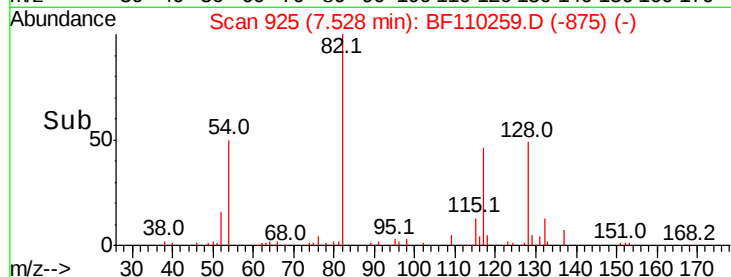
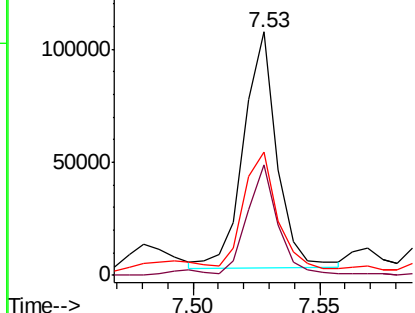


Abundance

Ion 82.00 (81.70 to 82.70): BF1

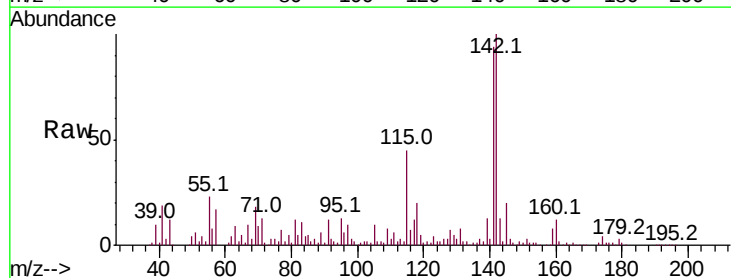
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#38
1-Methylnaphthalene
Concen: 23.359 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

Tgt Ion	142	Resp	267095
Ion Ratio	Lower	Upper	
142	100		
141	94.1	74.2	111.4
116	6.7	2.6	4.0#

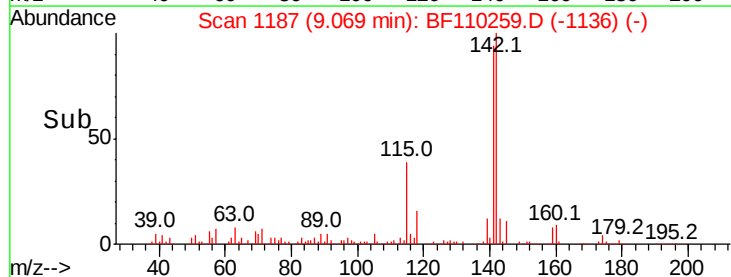
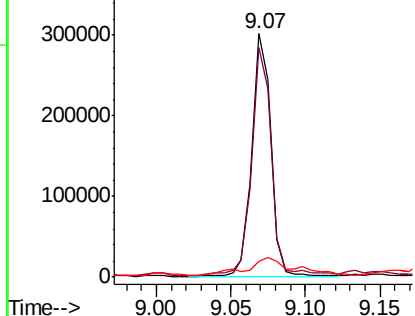


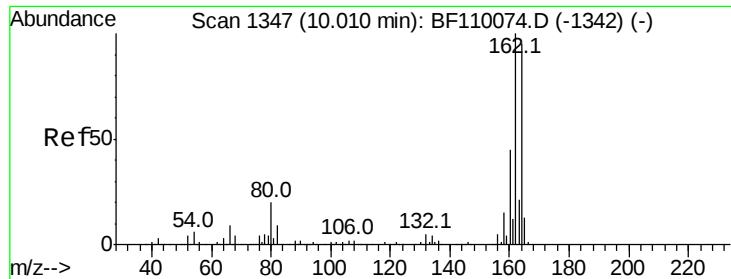
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

Instrument :

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ClientSampleId :

TRENCH-01-BASEDL

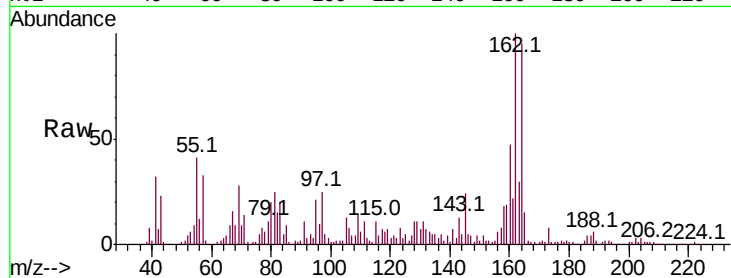
Tot Ion:164 Resp: 162327

Ion Ratio Lower Upper

164 100

162 105.6 83.0 124.6

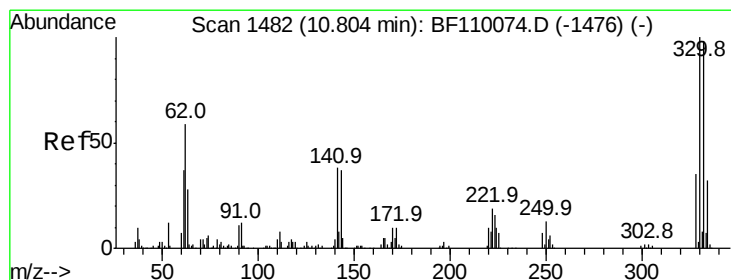
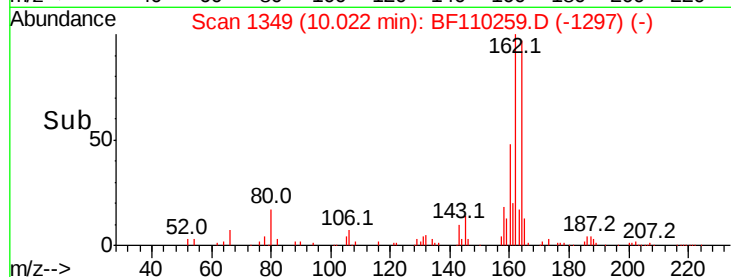
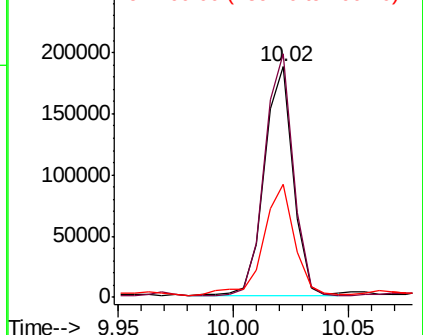
160 49.3 37.0 55.6



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: 14.031 ng

RT: 10.81 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

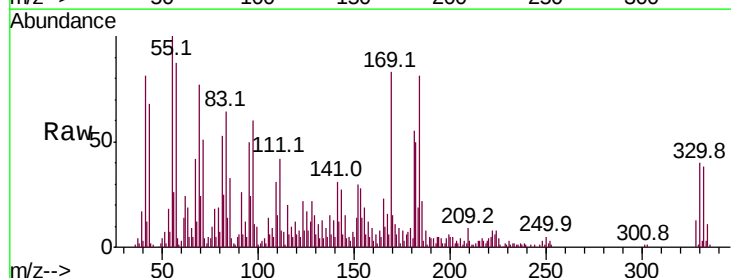
Tgt Ion:330 Resp: 22562

Ion Ratio Lower Upper

330 100

332 95.2 77.1 115.7

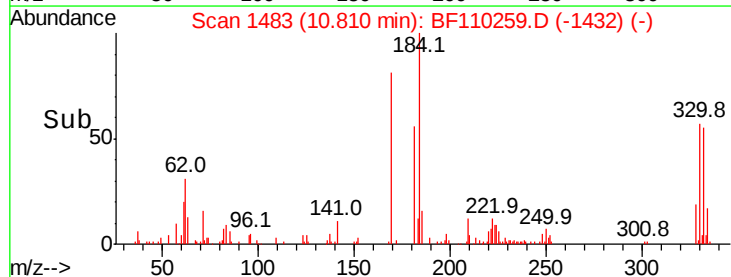
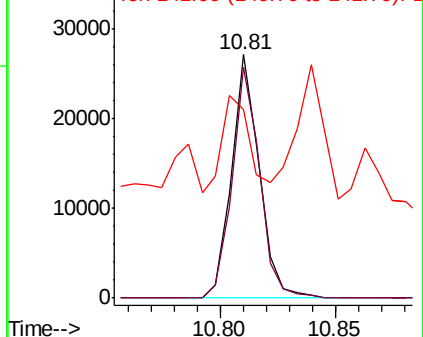
141 39.7 27.0 40.4

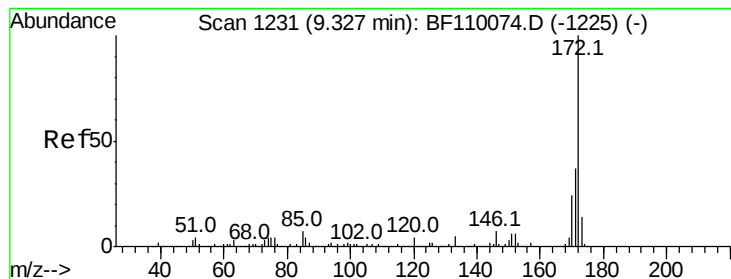


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 16.191 ng

RT: 9.33 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

Instrument :

BNA_F

ClientSampleId :

TRENCH-01-BASEDL

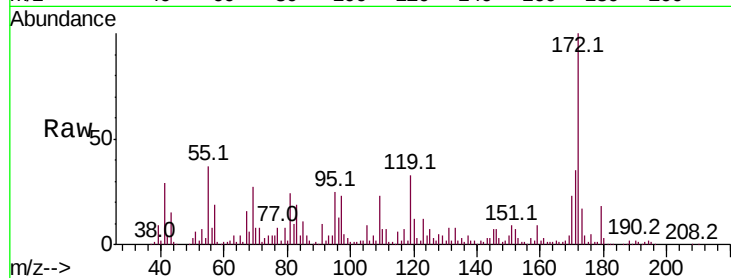
Tot Ion:172 Resp: 167376

Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

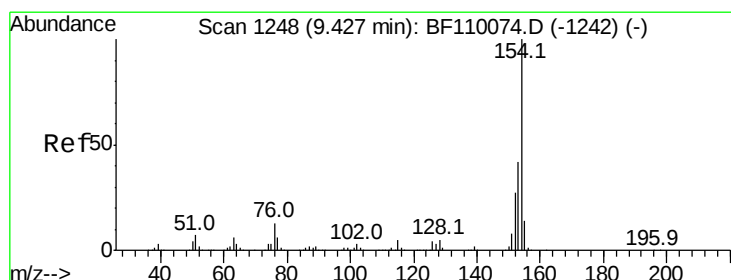
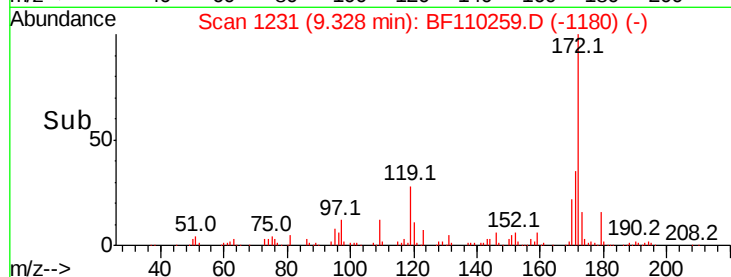
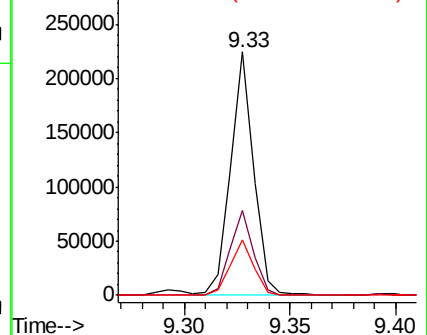
170 22.6 19.7 29.5



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



#46

1,1'-Biphenyl

Concen: 5.256 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

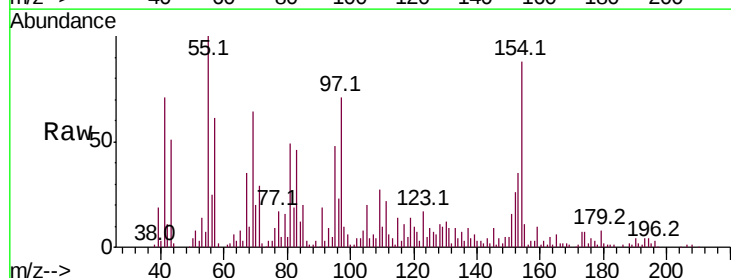
Tgt Ion:154 Resp: 77149

Ion Ratio Lower Upper

154 100

153 40.3 20.4 60.4

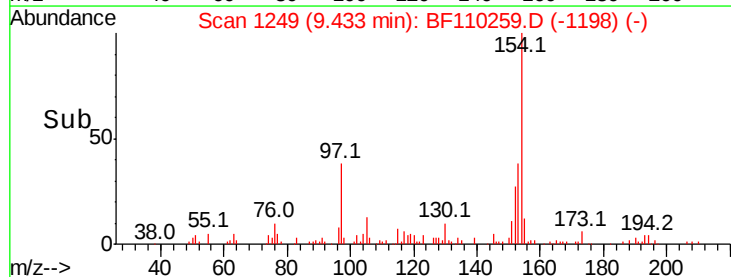
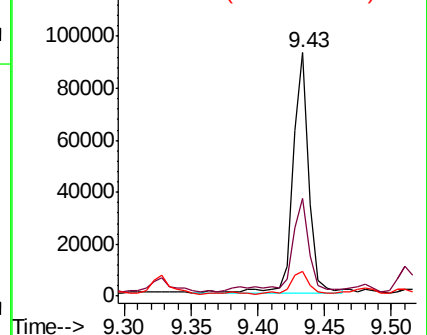
76 10.4 0.0 31.9

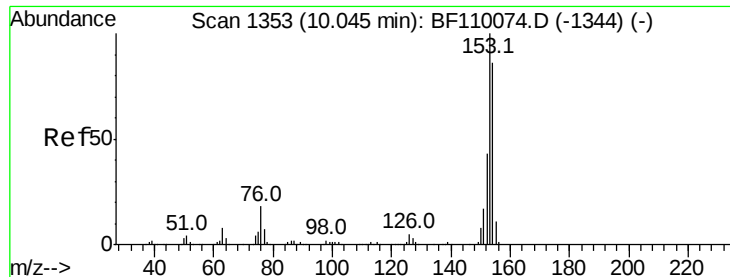


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





#52

Acenaphthene

Concen: 5.032 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

Instrument :

BNA_F

ClientSampleId :

TRENCH-01-BASEDL

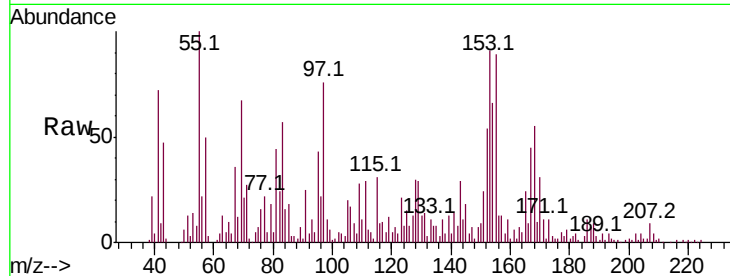
Tot Ion:154 Resp: 51767

Ion Ratio Lower Upper

154 100

153 137.8 90.1 135.1#

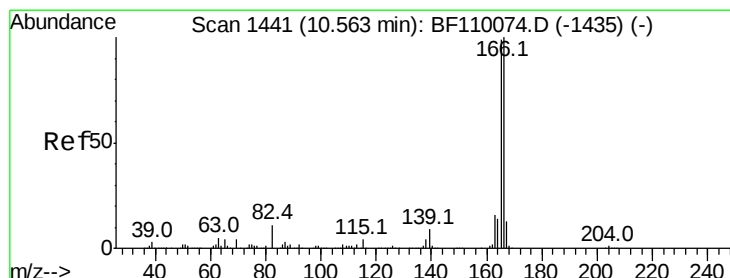
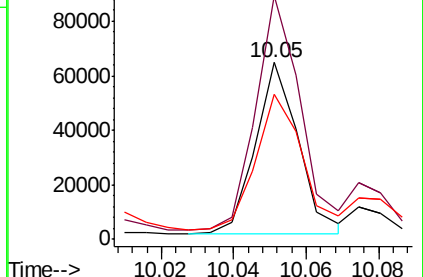
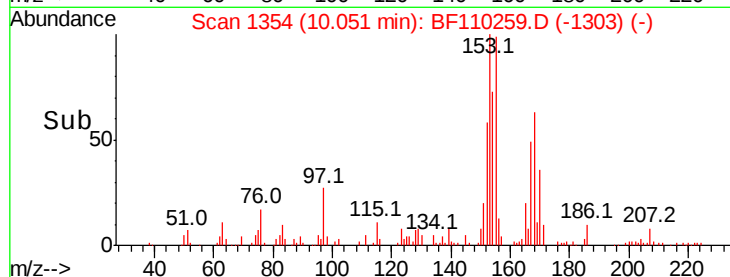
152 81.9 43.4 65.2#



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: 9.511 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

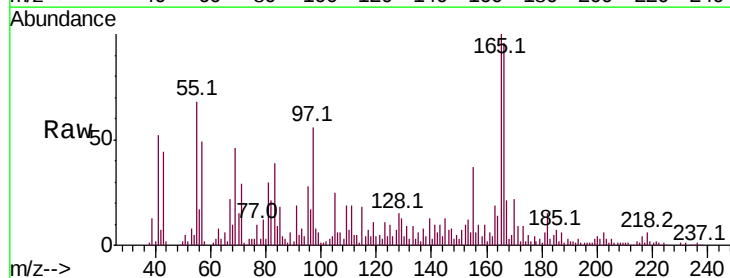
Tgt Ion:166 Resp: 101966

Ion Ratio Lower Upper

166 100

165 103.7 78.6 117.8

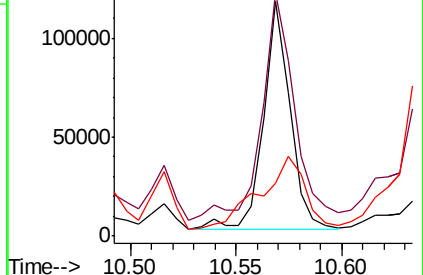
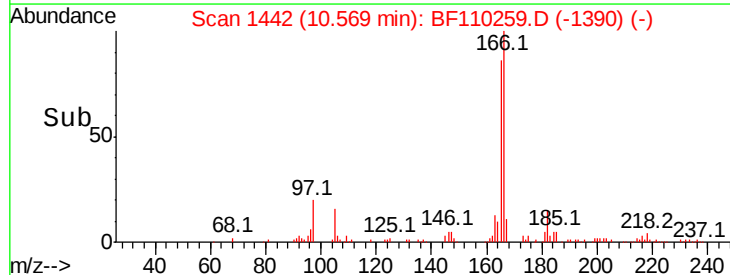
167 22.3 10.8 16.2#

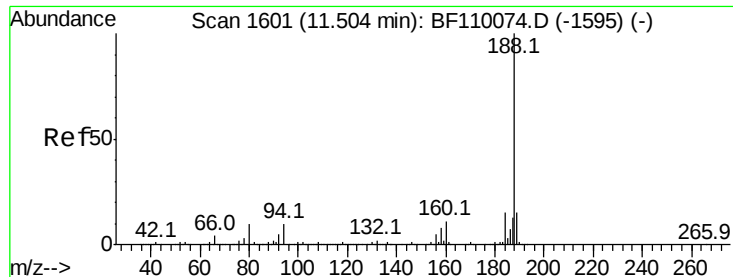


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

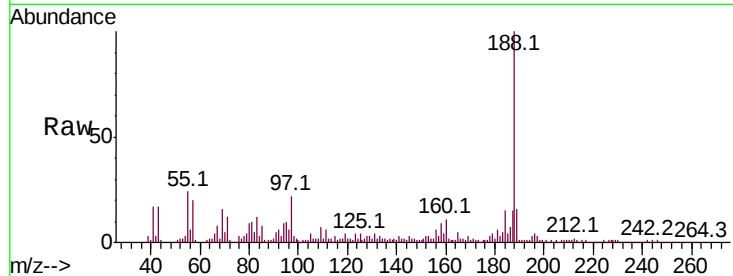




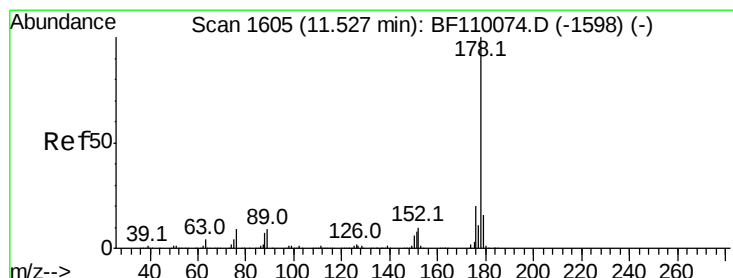
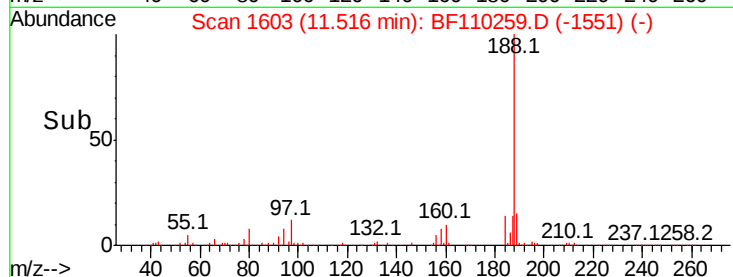
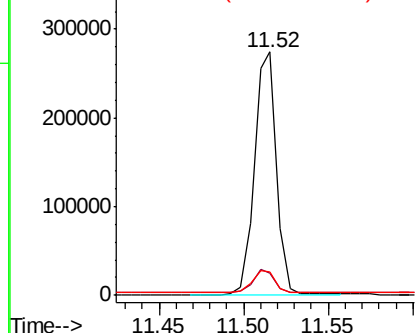
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.01 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

Instrument :
BNA_F
ClientSampleId :
TRENCH-01-BASEDL

Tot Ion:188 Resp: 248934
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.4 7.9 11.9

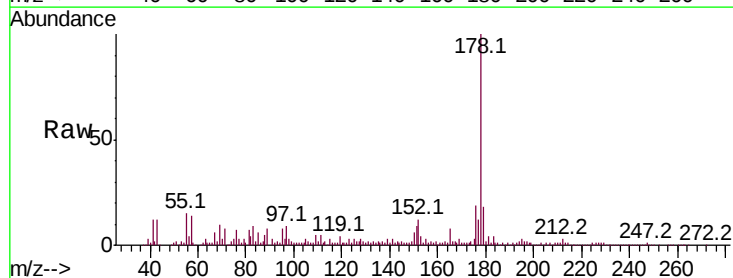


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

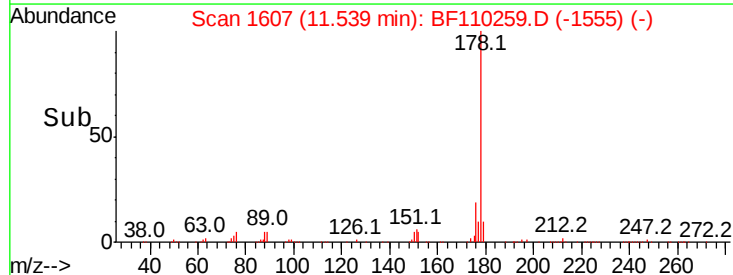
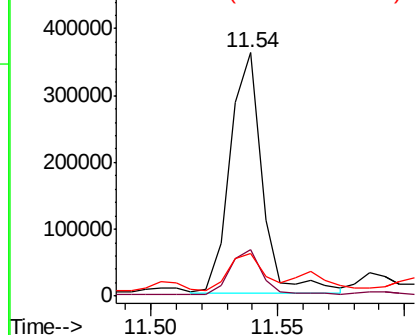


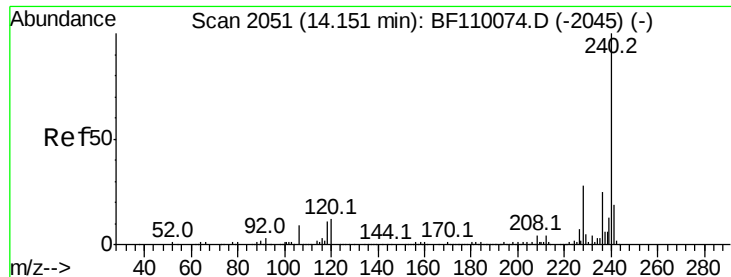
#71
Phenanthrene
Concen: 24.575 ng
RT: 11.54 min Scan# 1607
Delta R.T. 0.01 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

Tgt Ion:178 Resp: 320102
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 17.7 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

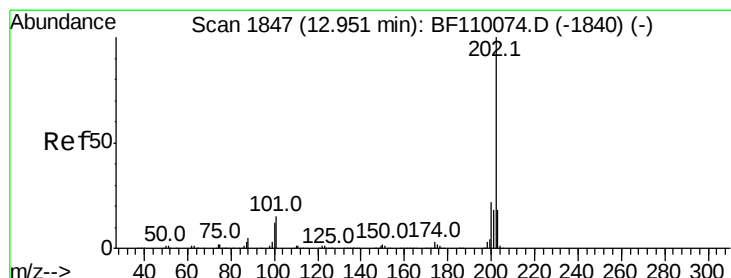
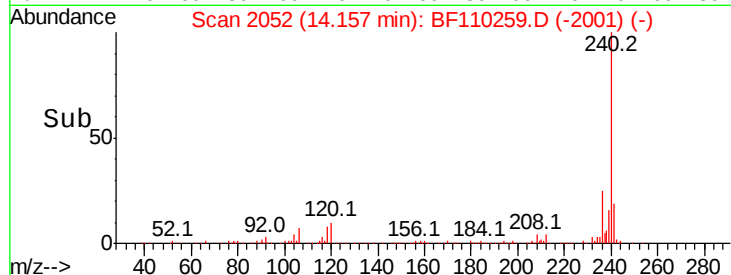
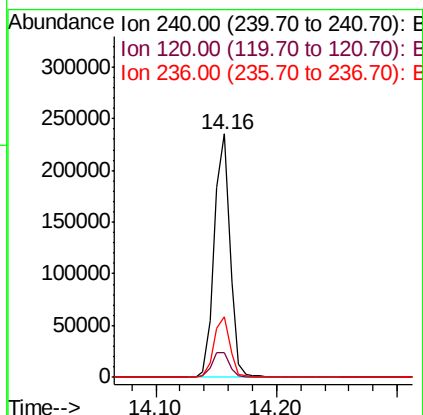
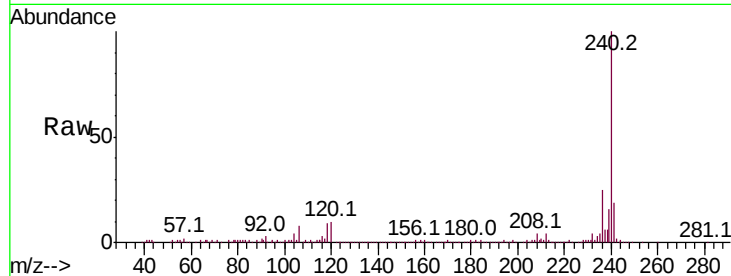




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

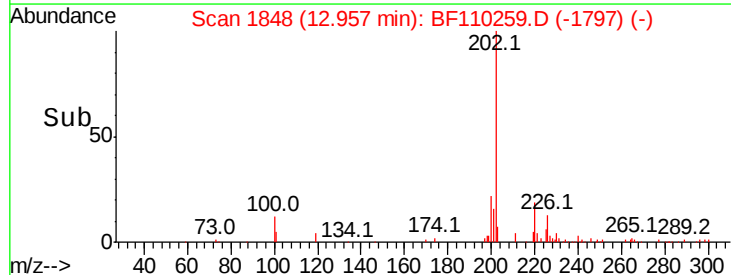
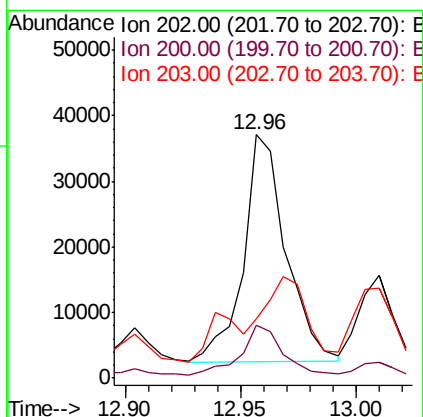
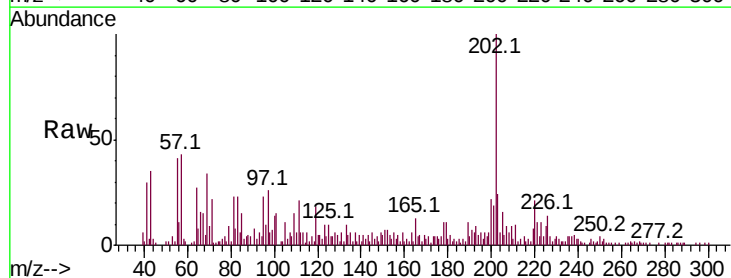
Instrument :
BNA_F
ClientSampleId :
TRENCH-01-BASEDL

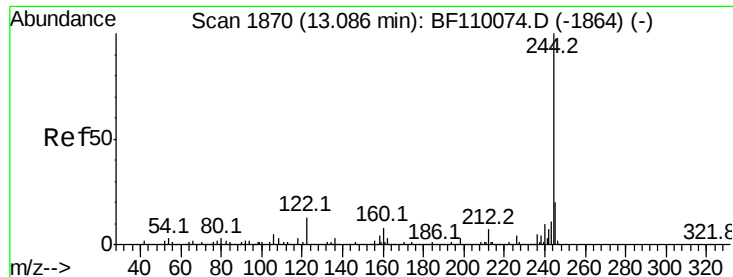
Tot Ion:240 Resp: 209406
Ion Ratio Lower Upper
240 100
120 10.4 8.3 12.5
236 24.7 21.2 31.8



#78
Pyrene
Concen: 2.989 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF110259.D
Acq: 29 Oct 2018 13:45

Tgt Ion:202 Resp: 44867
Ion Ratio Lower Upper
202 100
200 21.9 17.8 26.6
203 24.3 14.2 31.4#





#79

Terphenyl-d14

Concen: 12.130 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

Instrument :

BNA_F

ClientSampleId :

TRENCH-01-BASEDL

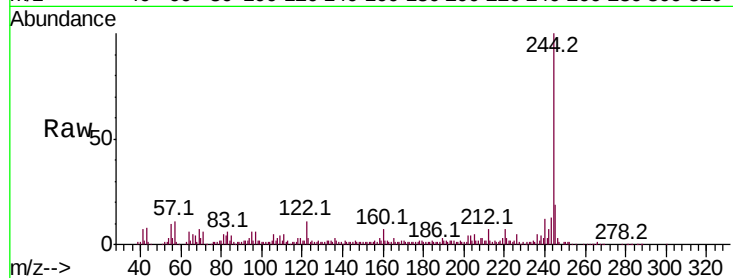
Tot Ion:244 Resp: 122138

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

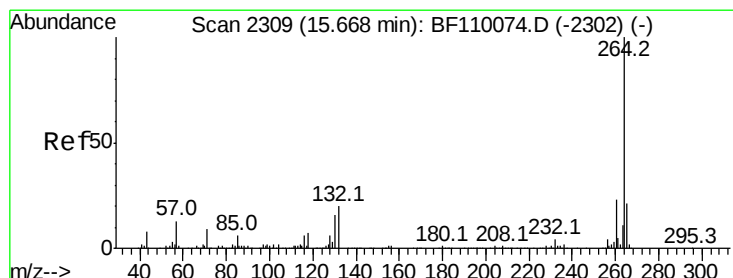
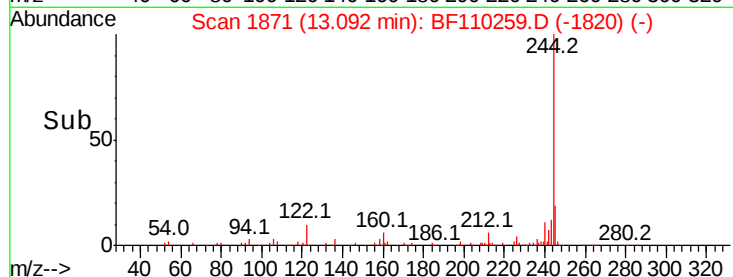
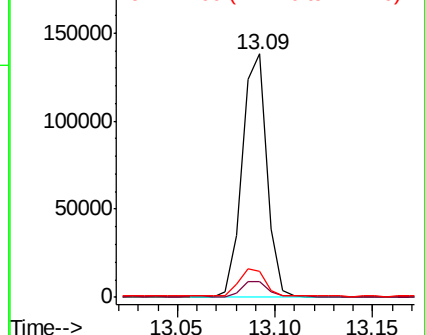
122 10.6 8.7 13.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. 0.00 min

Lab File: BF110259.D

Acq: 29 Oct 2018 13:45

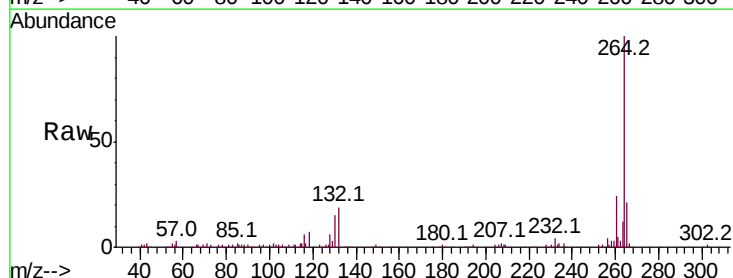
Tgt Ion:264 Resp: 185962

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.1 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

