

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091720\
 Data File : BF121601.D
 Acq On : 17 Sep 2020 17:12
 Operator : JU/CG
 Sample : L4032-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-BORING

Quant Time: Sep 17 18:28:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	178057	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	703958	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	366243	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	704413	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	641007	20.00	ng	-0.02
86) Perylene-d12	15.43	264	589942	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1110185	92.66	ng	0.01
7) Phenol-d6	6.46	99	1404484	89.35	ng	0.00
23) Nitrobenzene-d5	7.38	82	992700	75.71	ng	-0.02
42) 2,4,6-Tribromophenol	10.65	330	452524	99.41	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	1733355	71.68	ng	-0.01
79) Terphenyl-d14	12.93	244	1971331	62.30	ng	-0.01

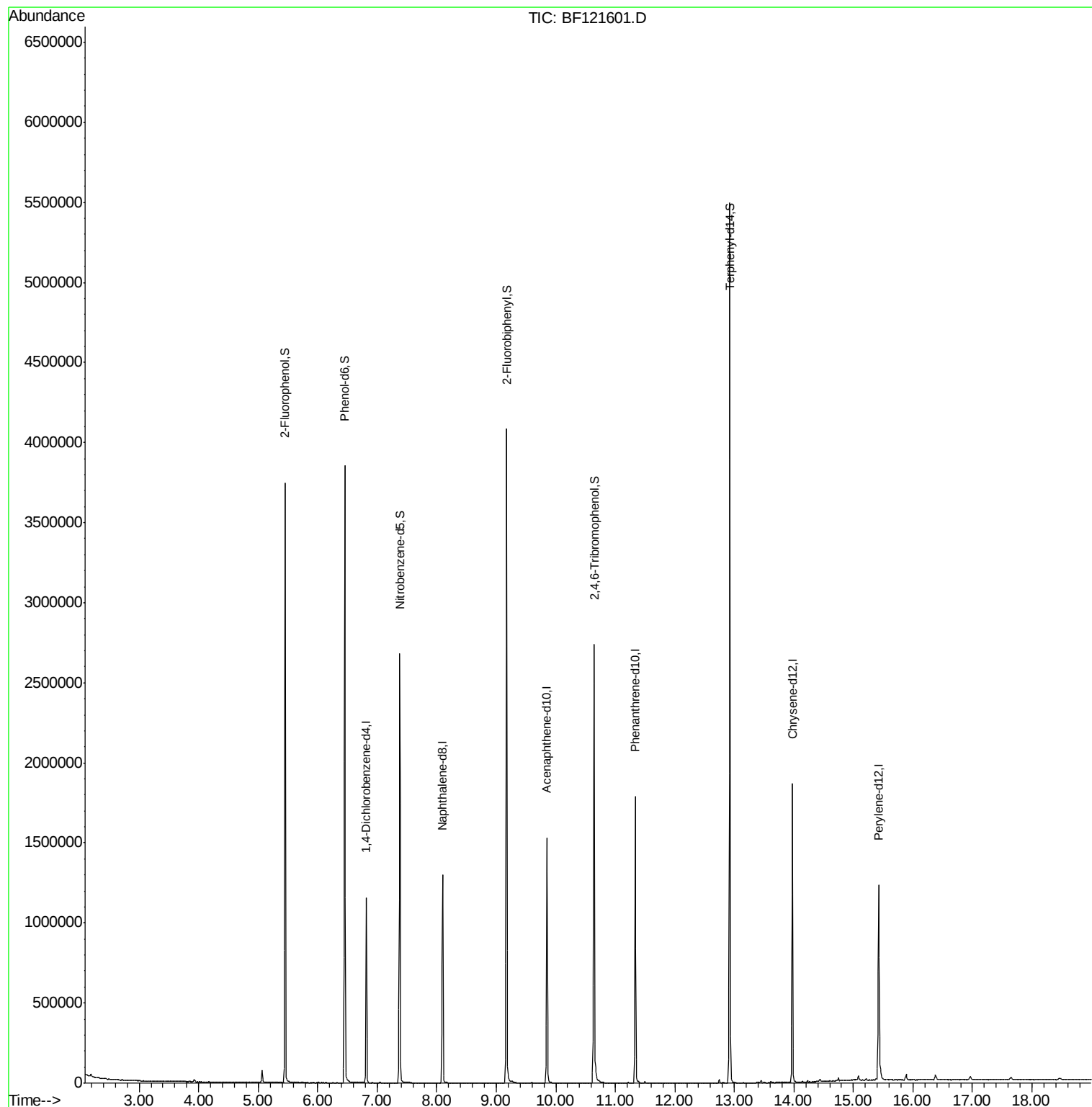
Target Compounds Qvalue

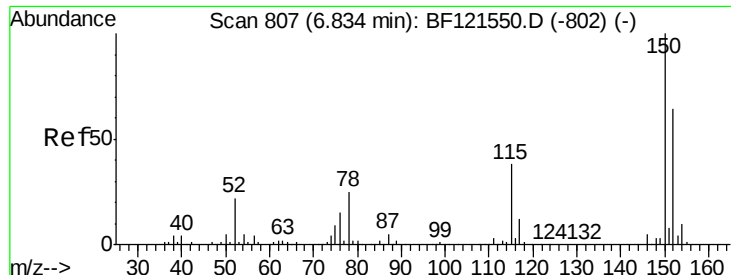
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

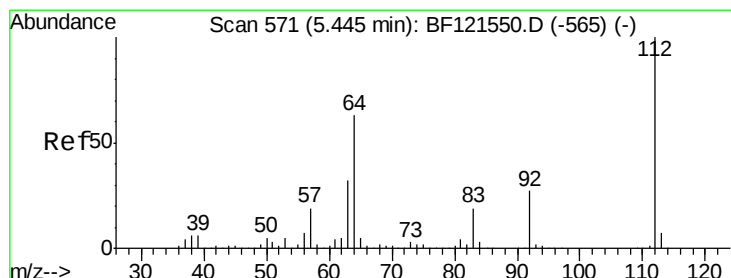
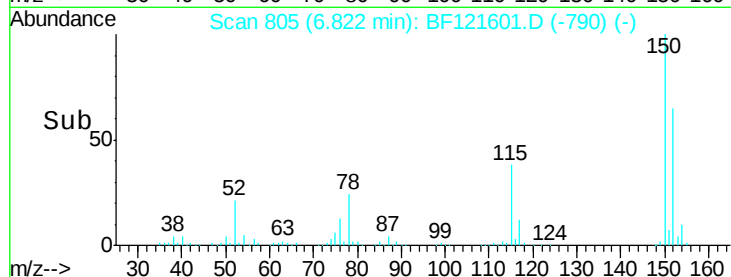
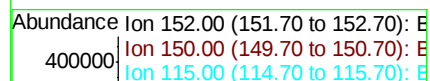
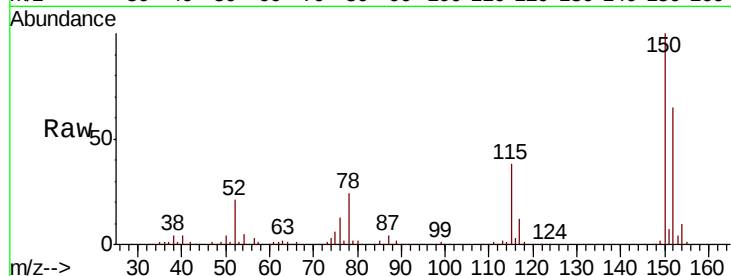
Tot Ion:152 Resp: 178057

Ion Ratio Lower Upper

152 100

150 153.5 125.8 188.6

115 58.0 47.8 71.8



#5

2-Fluorophenol

Concen: 92.660 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

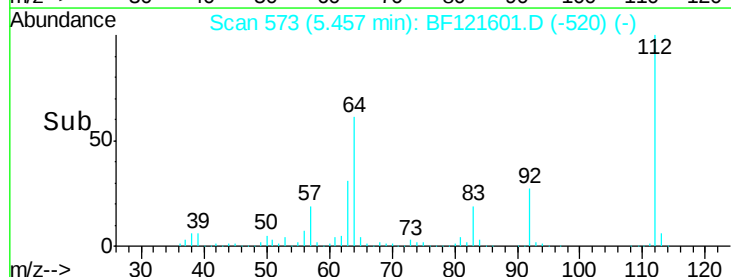
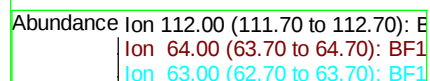
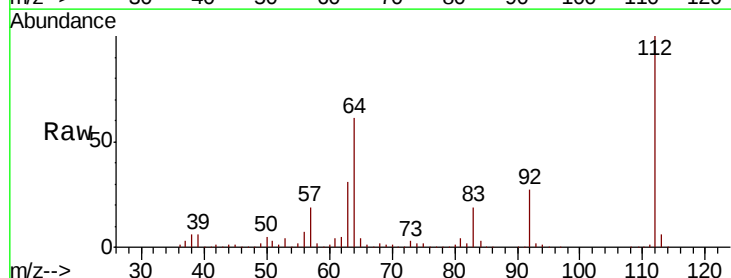
Tgt Ion:112 Resp: 1110185

Ion Ratio Lower Upper

112 100

64 61.1 50.3 75.5

63 30.9 25.6 38.4





#7

Phenol-d6

Concen: 89.351 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

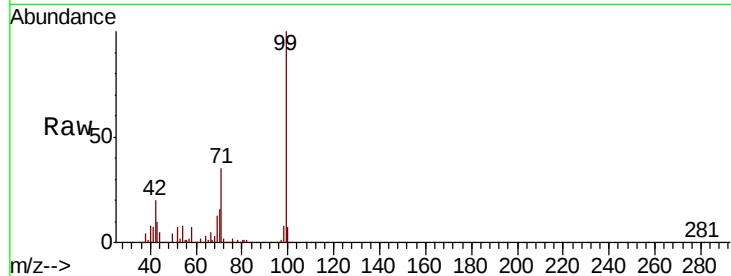
Tot Ion: 99 Resp: 1404484

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

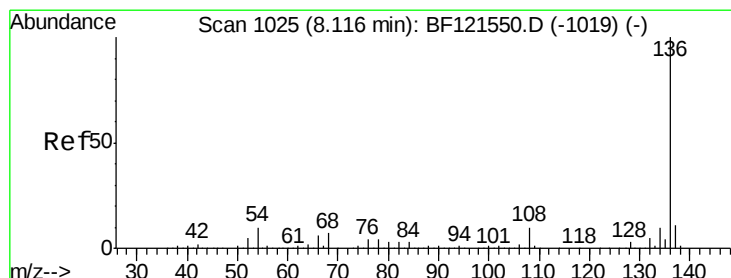
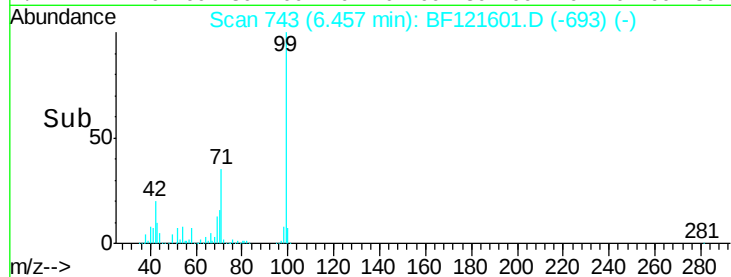
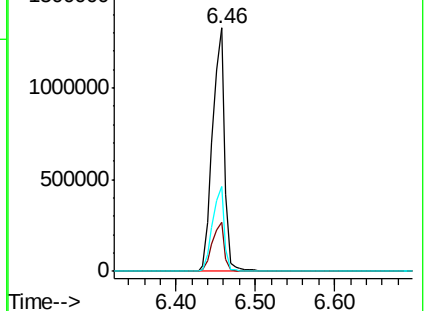
71 35.0 26.1 39.1



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: 8.10 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Tgt Ion: 136 Resp: 703958

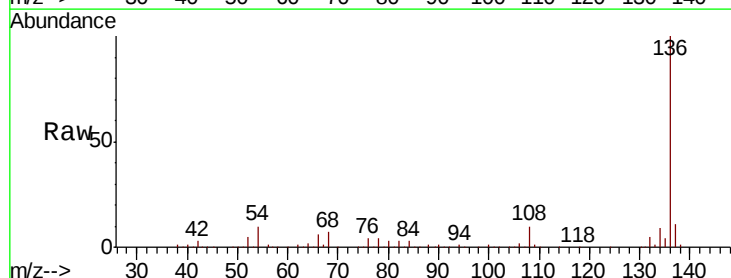
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 9.8 7.6 11.4

68 6.8 5.7 8.5

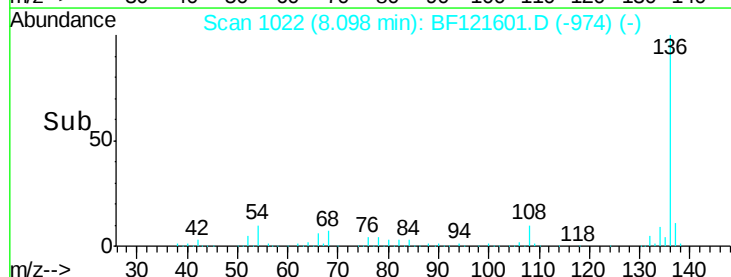
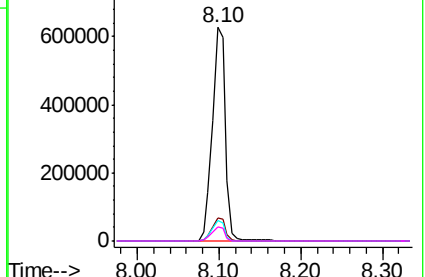


Abundance Ion 136.00 (135.70 to 136.70): E

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

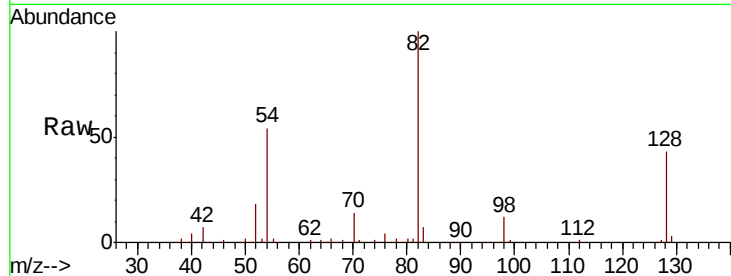




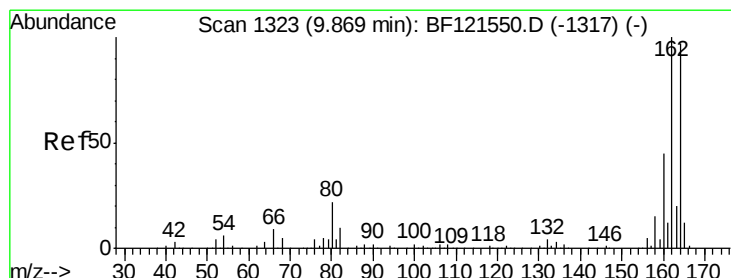
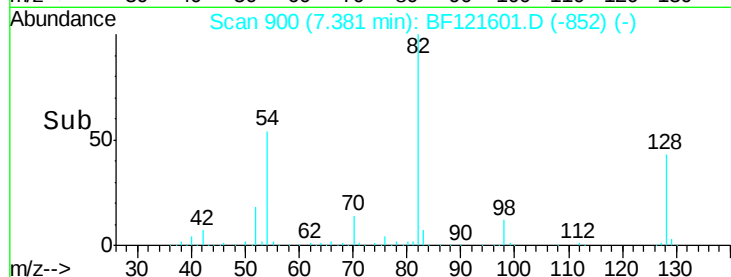
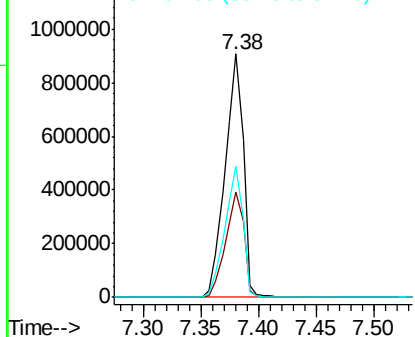
#23
Nitrobenzene-d5
Concen: 75.715 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF121601.D
Acq: 17 Sep 2020 17:12

Instrument :
BNA_F
ClientSampleId :
SOIL-BORING

Tot Ion	82	Resp	992700
Ion Ratio	Lower	Upper	
82	100		
128	43.2	35.1	52.7
54	54.0	43.0	64.6

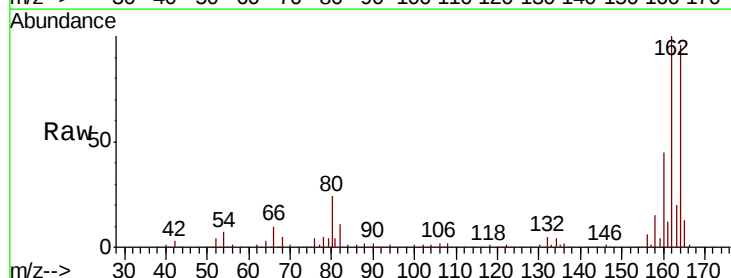


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

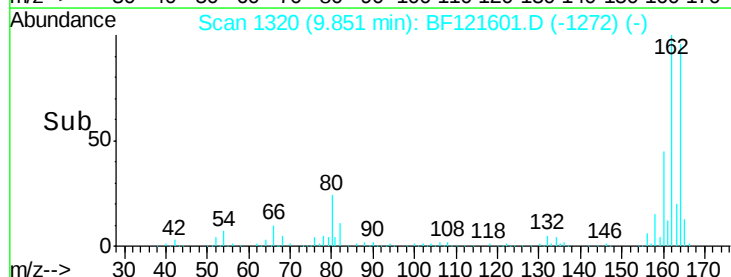
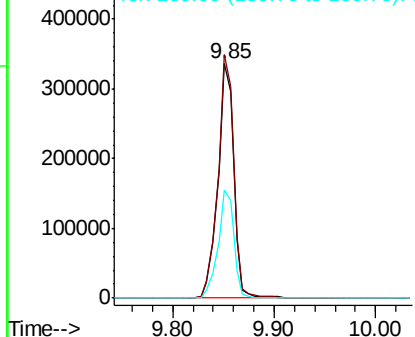


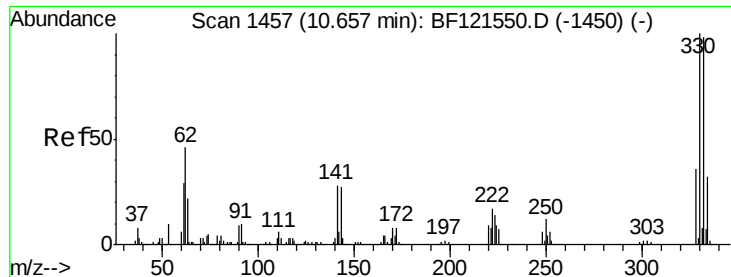
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF121601.D
Acq: 17 Sep 2020 17:12

Tgt Ion	164	Resp	366243
Ion Ratio	Lower	Upper	
164	100		
162	104.0	82.3	123.5
160	46.4	37.0	55.4



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: 99.414 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

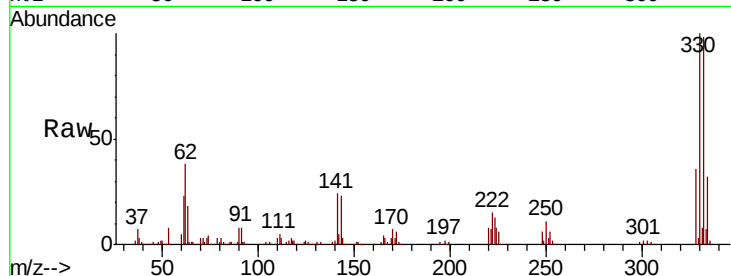
Tot Ion:330 Resp: 452524

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

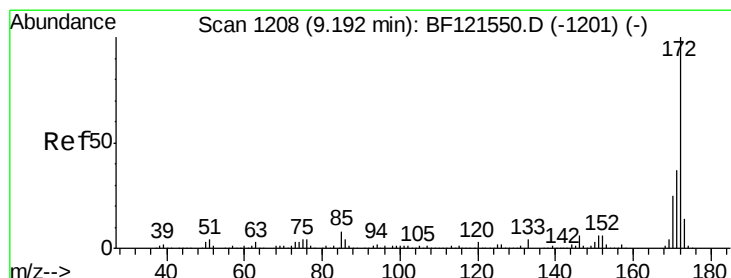
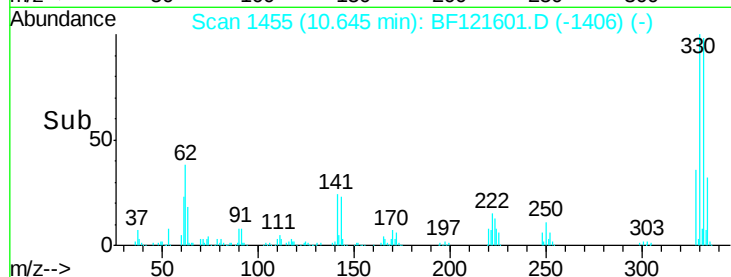
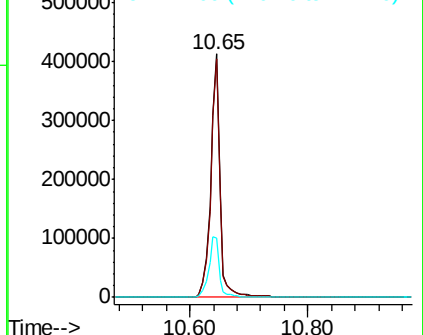
141 28.5 23.6 35.4



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: 71.680 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

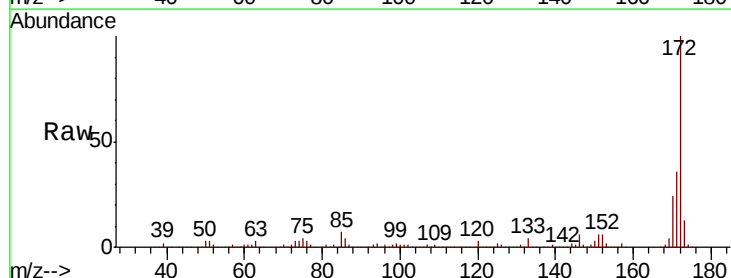
Tgt Ion:172 Resp: 1733355

Ion Ratio Lower Upper

172 100

171 36.3 29.8 44.6

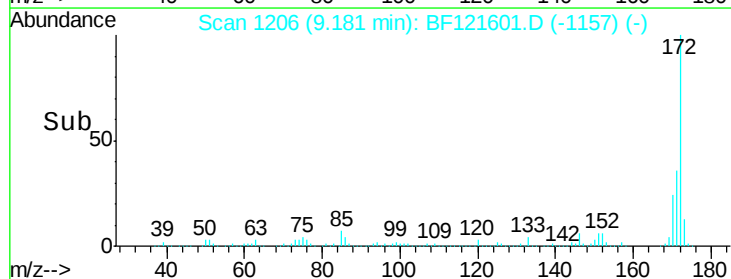
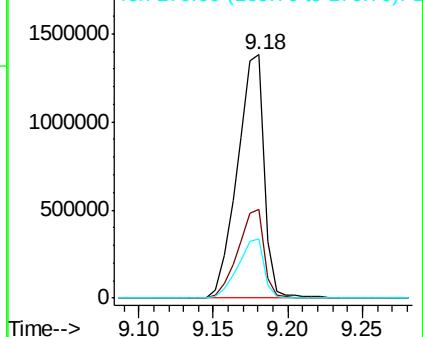
170 24.3 19.8 29.8

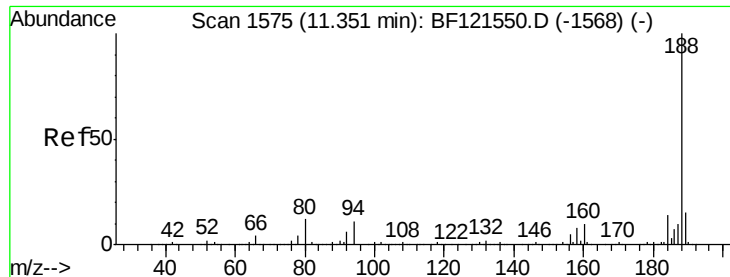


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

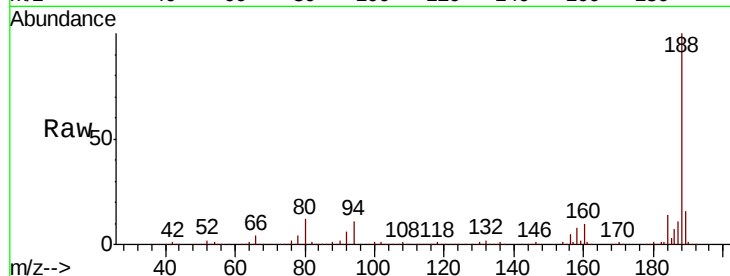
Tot Ion:188 Resp: 704413

Ion Ratio Lower Upper

188 100

94 10.7 8.7 13.1

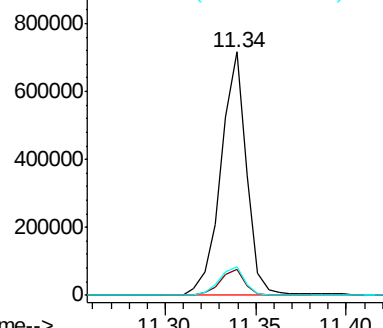
80 11.6 9.3 13.9



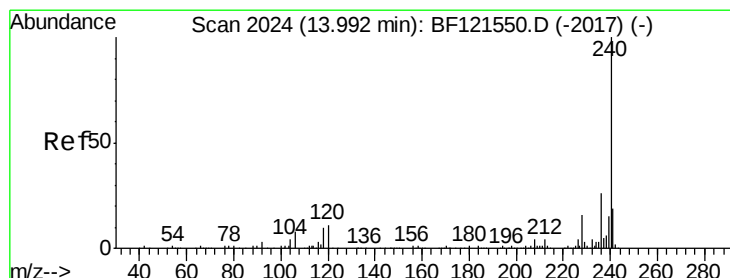
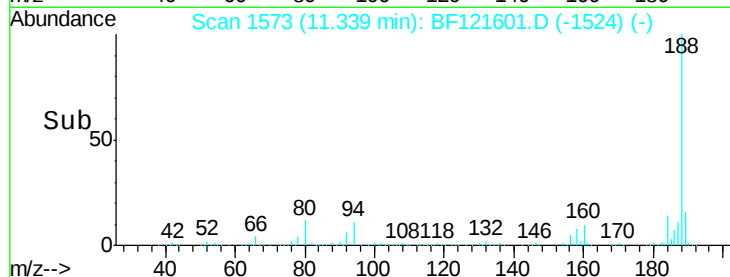
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

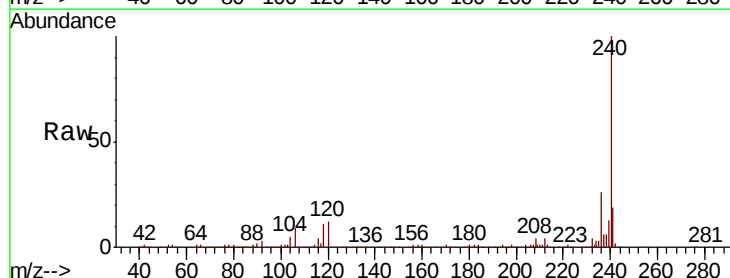
Tgt Ion:240 Resp: 641007

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

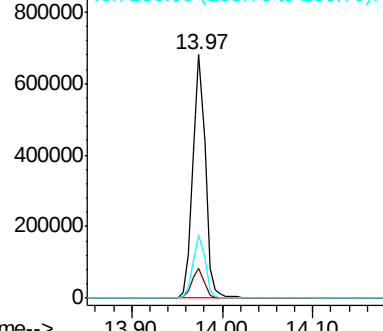
236 25.7 20.5 30.7



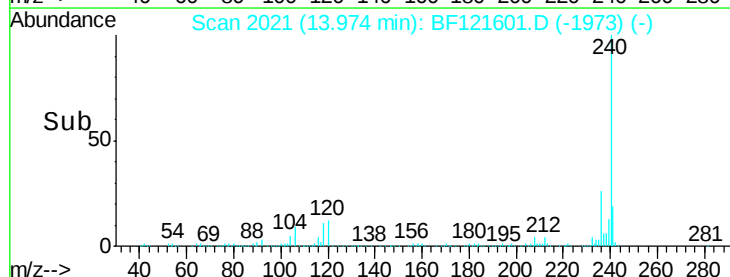
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#79

Terphenyl-d14

Concen: 62.304 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

Instrument :

BNA_F

ClientSampleId :

SOIL-BORING

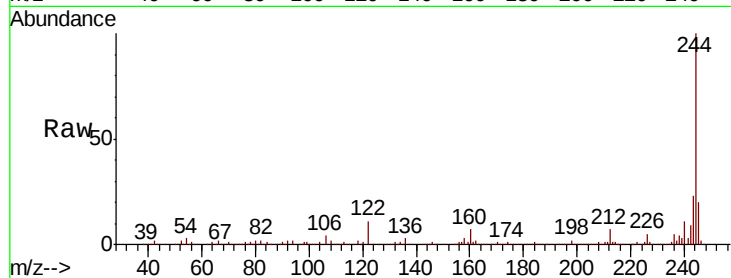
Tot Ion:244 Resp: 1971331

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

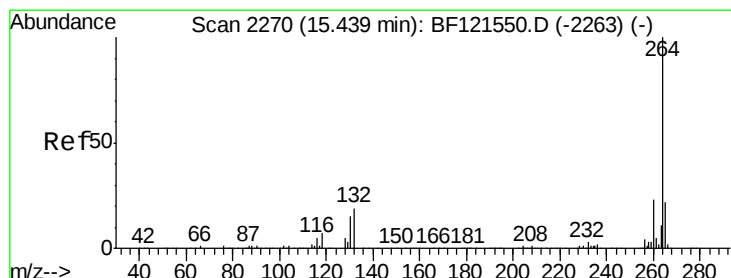
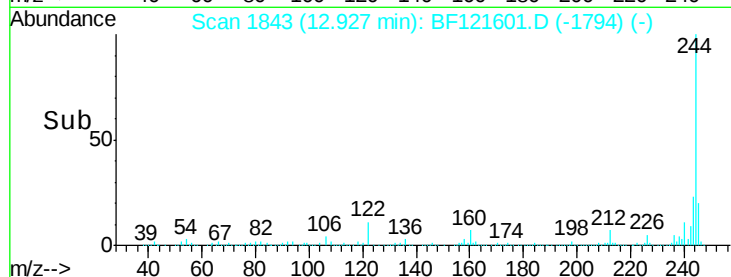
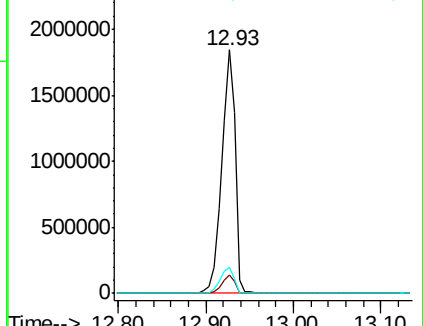
122 10.8 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

2500000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF121601.D

Acq: 17 Sep 2020 17:12

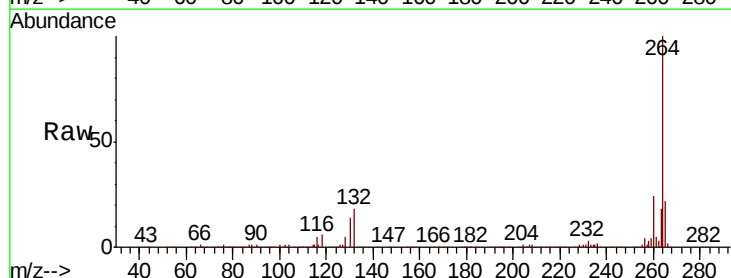
Tgt Ion:264 Resp: 589942

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 21.6 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

