

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114452.D
 Acq On : 21 May 2019 13:39
 Operator : JU/SJ
 Sample : K2869-12RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROCKY-SOILRE

Quant Time: May 21 15:00:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	190287	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	690889	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	332673	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	707927	20.00	ng	0.00
76) Chrysene-d12	13.99	240	602021	20.00	ng	-0.01
87) Perylene-d12	15.46	264	648308	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2116573	179.00	ng	0.01
7) Phenol-d6	6.48	99	2574616	184.10	ng	0.00
23) Nitrobenzene-d5	7.40	82	1945822	158.06	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	810474	235.65	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	3124347	142.06	ng	0.00
79) Terphenyl-d14	12.94	244	3516375	120.41	ng	0.00

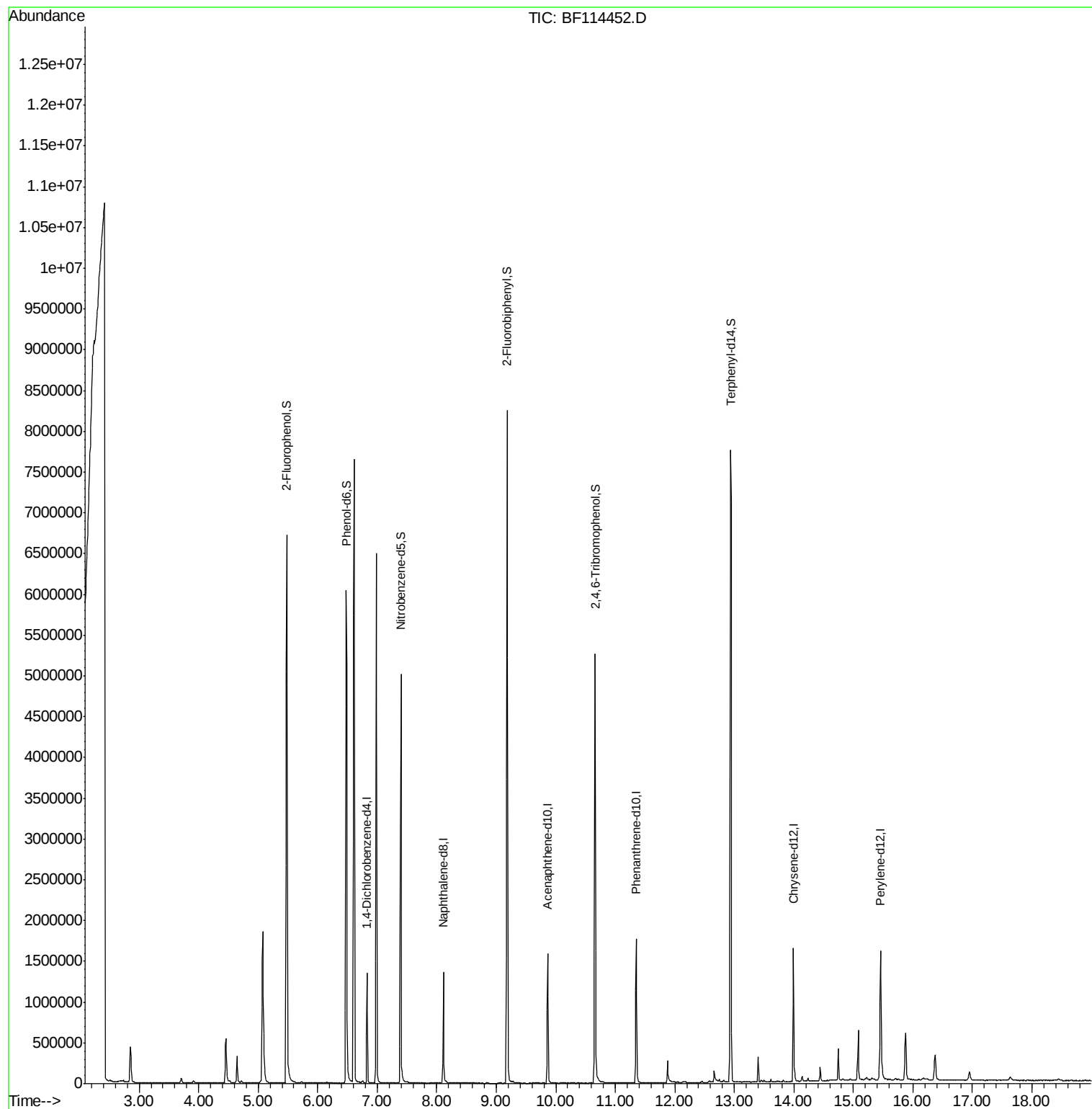
Target Compounds	Qvalue
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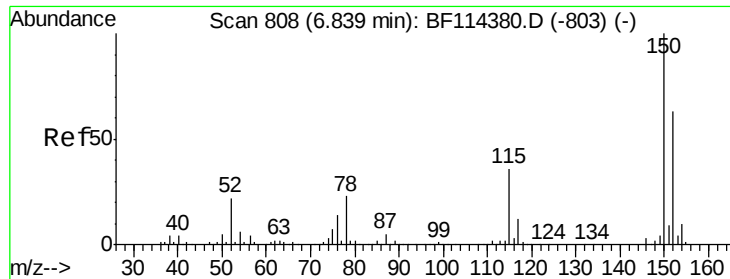
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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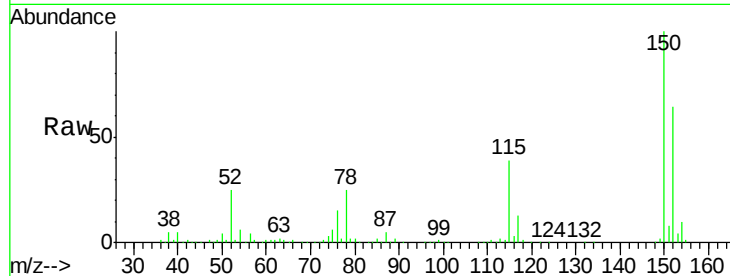


#1

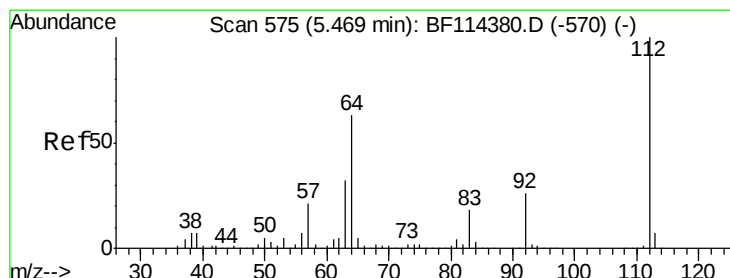
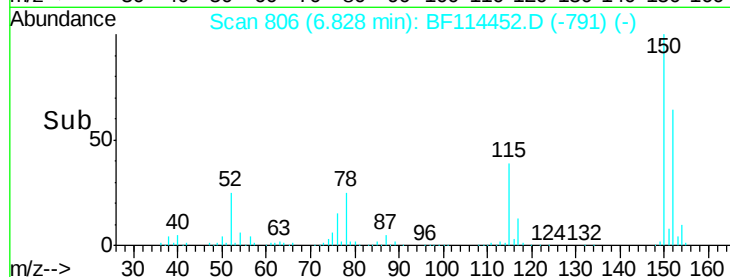
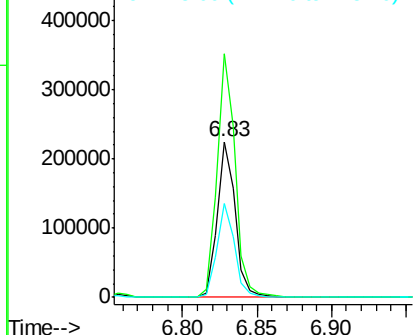
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114452.D
Acq: 21 May 2019 13:39

Instrument :
BNA_F
ClientSampleId :
ROCKY-SOILRE

Tgt Ion:152 Resp: 190287
Ion Ratio Lower Upper
152 100
150 156.5 124.3 186.5
115 60.7 49.1 73.7



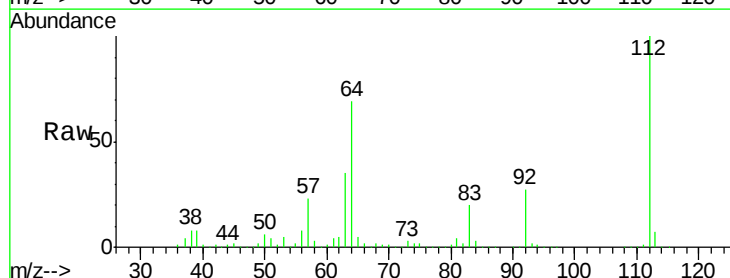
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



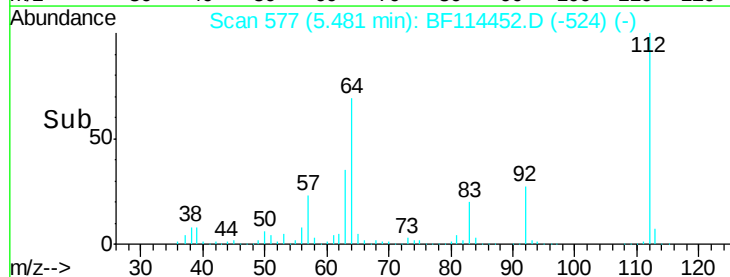
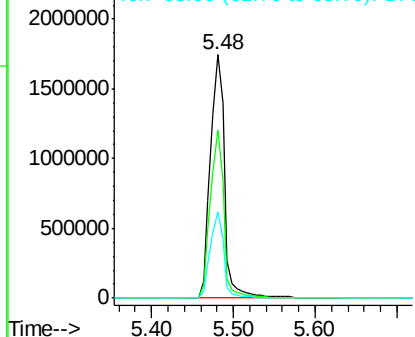
#5

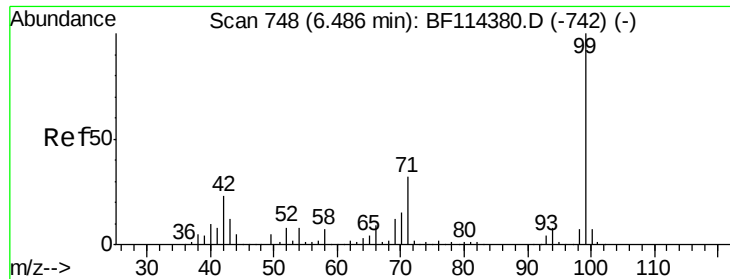
2-Fluorophenol
Concen: 178.999 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF114452.D
Acq: 21 May 2019 13:39

Tgt Ion:112 Resp: 2116573
Ion Ratio Lower Upper
112 100
64 69.1 49.0 73.6
63 35.2 24.6 37.0



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: 184.096 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114452.D

Acq: 21 May 2019 13:39

Instrument :

BNA_F

ClientSampleId :

ROCKY-SOILRE

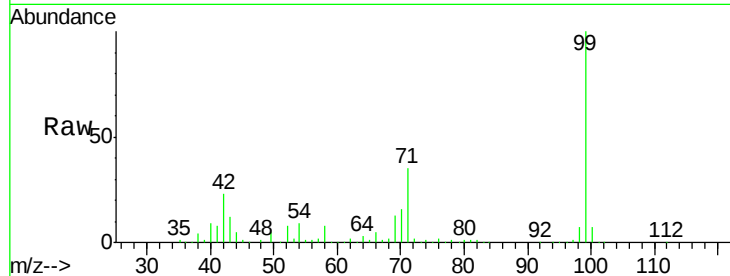
Tgt Ion: 99 Resp: 2574616

Ion Ratio Lower Upper

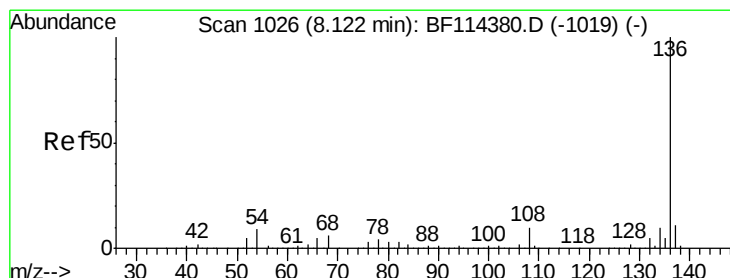
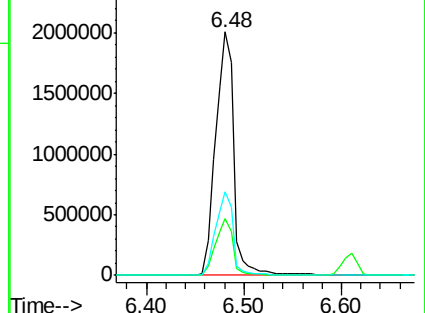
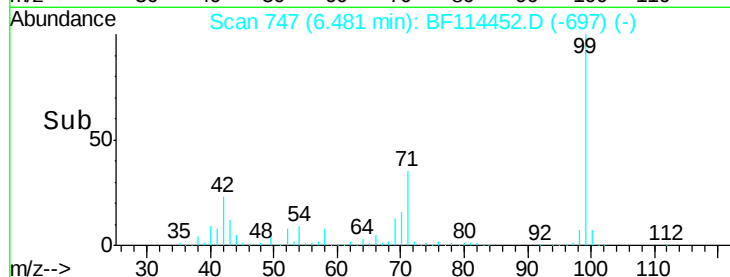
99 100

42 23.4 17.9 26.9

71 34.6 26.2 39.2



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: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF114452.D

Acq: 21 May 2019 13:39

Tgt Ion: 136 Resp: 690889

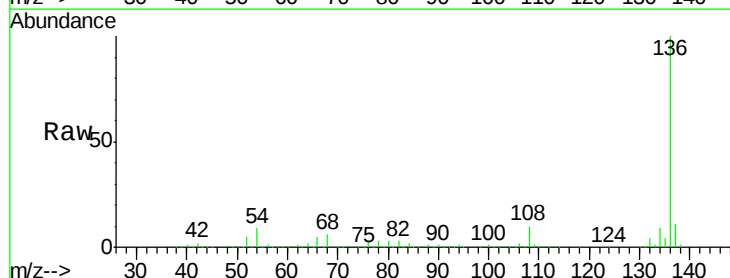
Ion Ratio Lower Upper

136 100

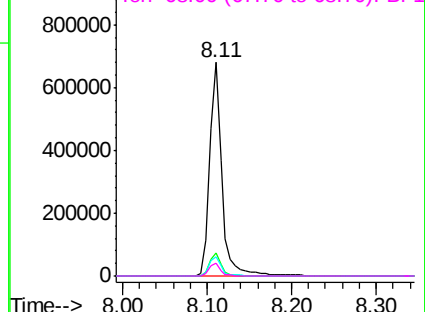
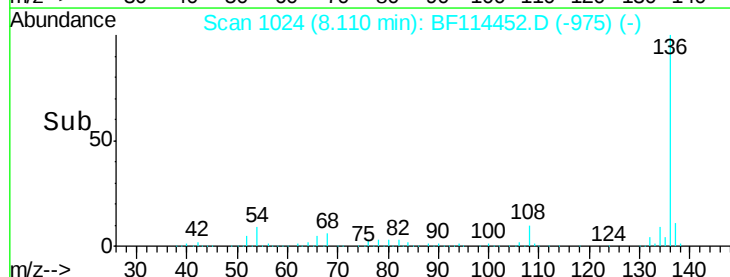
137 10.7 8.8 13.2

54 8.8 7.8 11.8

68 5.9 5.1 7.7



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

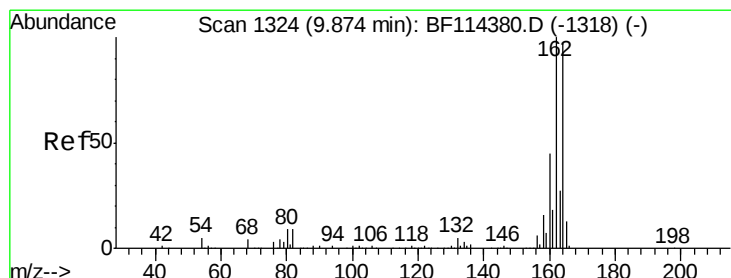
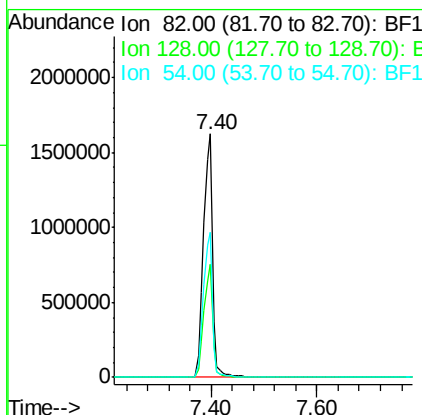
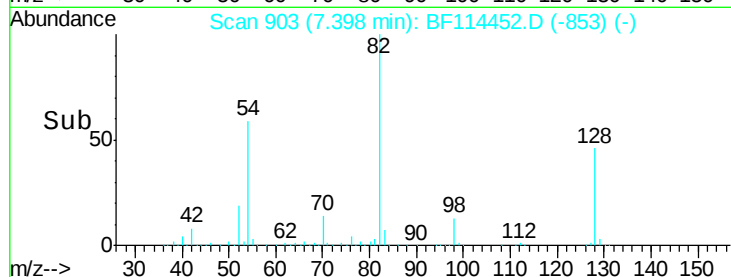
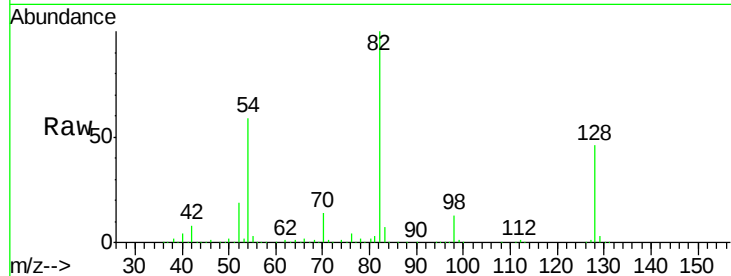




#23
Nitrobenzene-d5
Concen: 158.057 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF114452.D
Acq: 21 May 2019 13:39

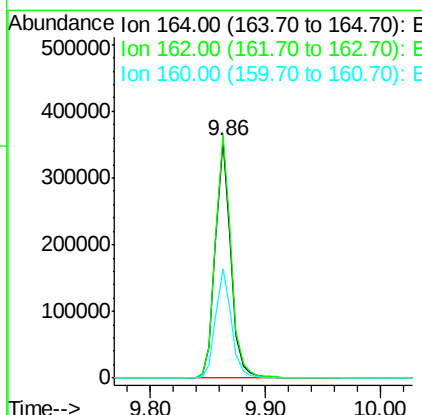
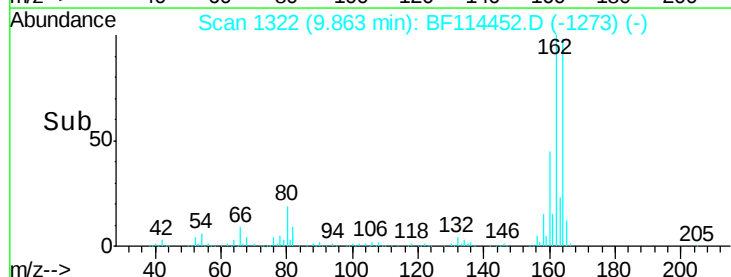
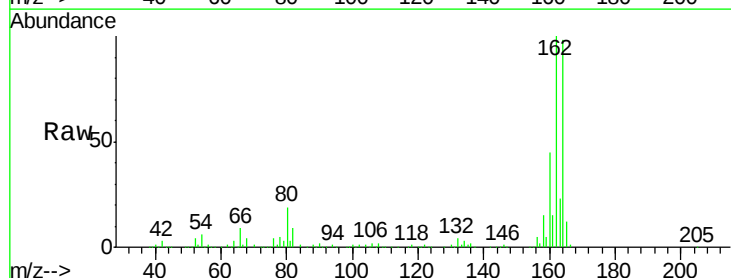
Instrument :
BNA_F
ClientSampleId :
ROCKY-SOILRE

Tgt Ion: 82 Resp: 1945822
Ion Ratio Lower Upper
82 100
128 46.2 35.5 53.3
54 59.4 48.5 72.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF114452.D
Acq: 21 May 2019 13:39

Tgt Ion: 164 Resp: 332673
Ion Ratio Lower Upper
164 100
162 102.5 80.6 120.8
160 46.0 36.5 54.7

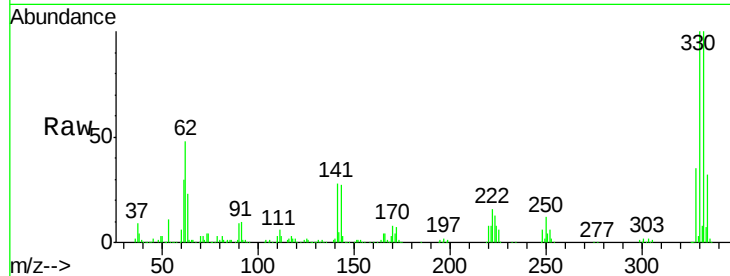




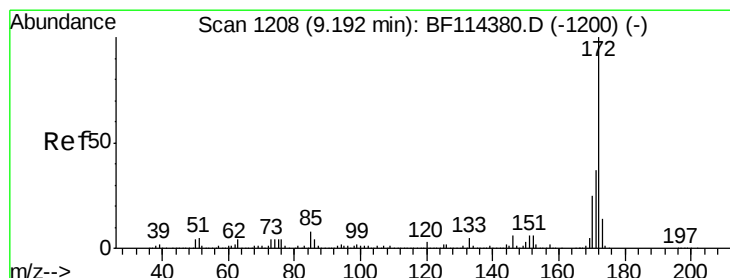
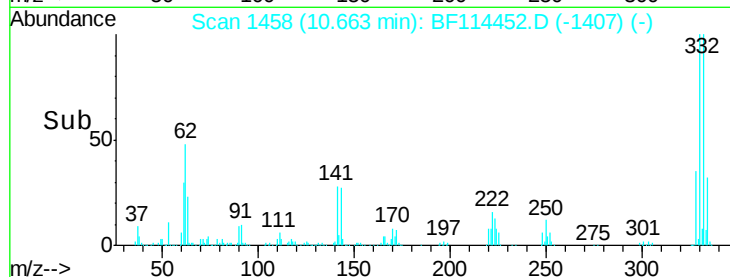
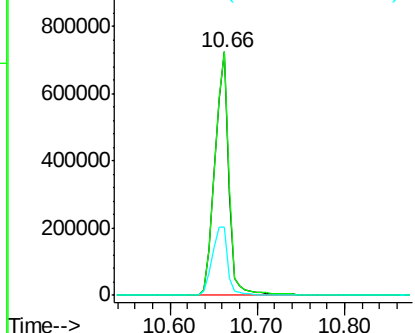
#42
 2,4,6-Tribromophenol
 Concen: 235.652 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BF114452.D
 Acq: 21 May 2019 13:39

Instrument :
 BNA_F
 ClientSampleId :
 ROCKY-SOILRE

Tgt Ion:330 Resp: 810474
 Ion Ratio Lower Upper
 330 100
 332 101.0 81.4 122.2
 141 31.8 26.6 40.0

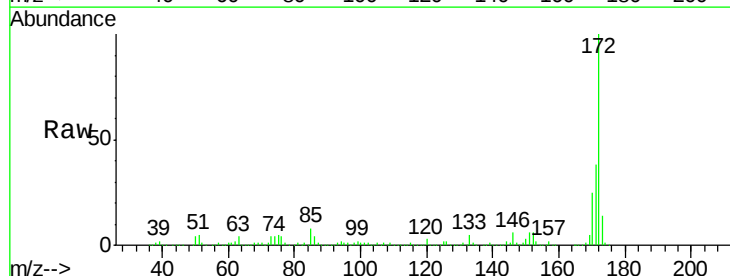


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

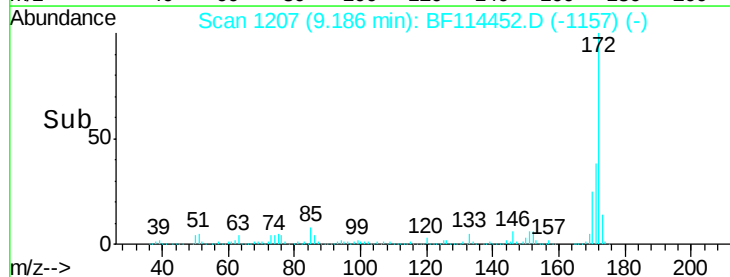
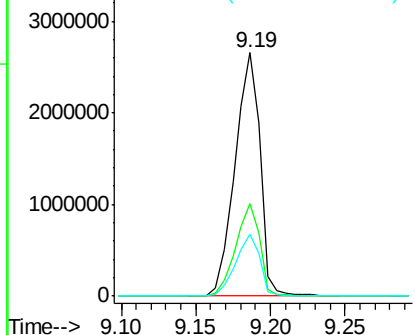


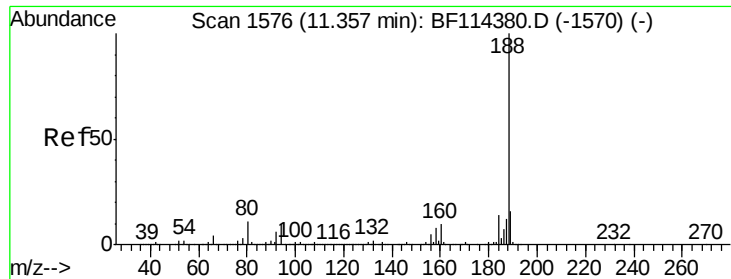
#45
 2-Fluorobiphenyl
 Concen: 142.064 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF114452.D
 Acq: 21 May 2019 13:39

Tgt Ion:172 Resp: 3124347
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.7 46.1
 170 25.3 20.5 30.7



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

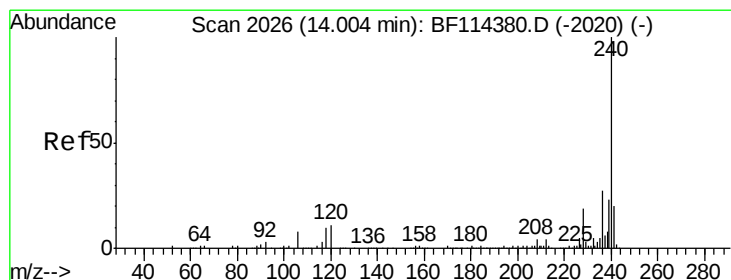
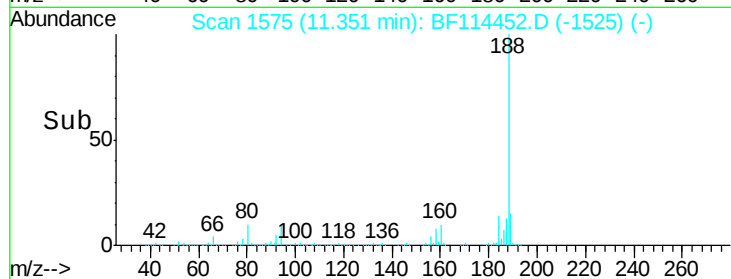
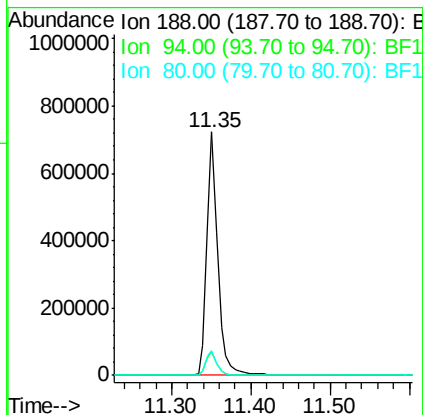
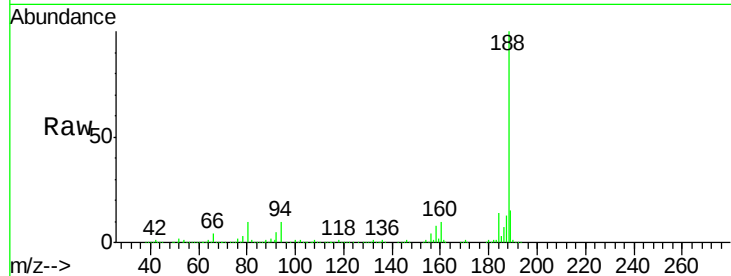




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114452.D
Acq: 21 May 2019 13:39

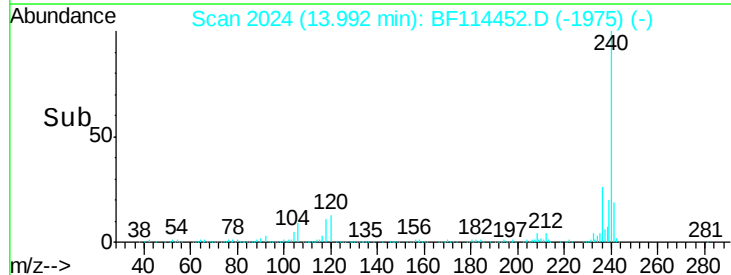
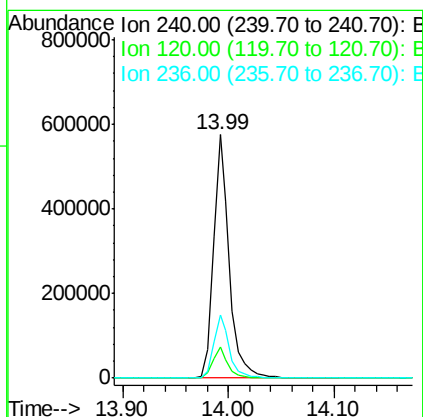
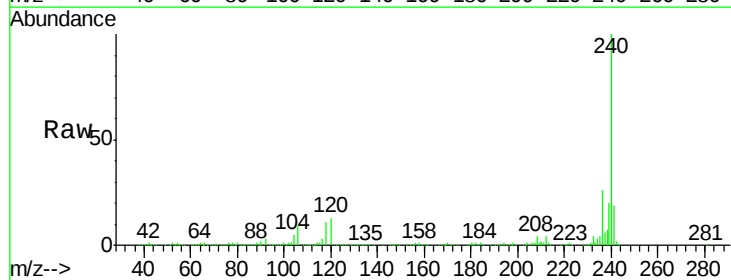
Instrument :
BNA_F
ClientSampleId :
ROCKY-SOILRE

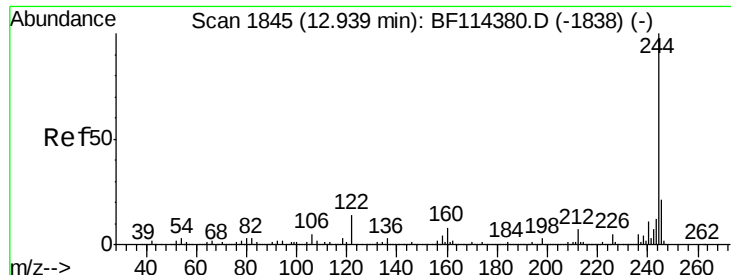
Tgt Ion:188 Resp: 707927
Ion Ratio Lower Upper
188 100
94 9.6 8.4 12.6
80 10.1 9.2 13.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF114452.D
Acq: 21 May 2019 13:39

Tgt Ion:240 Resp: 602021
Ion Ratio Lower Upper
240 100
120 12.7 8.3 12.5#
236 26.2 20.8 31.2





#79

Terphenyl-d14

Concen: 120.407 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF114452.D

Acq: 21 May 2019 13:39

Instrument :

BNA_F

ClientSampleId :

ROCKY-SOILRE

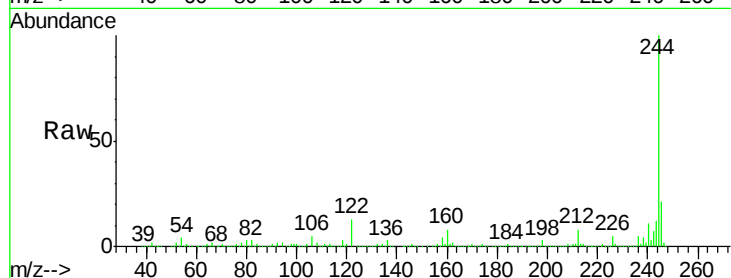
Tgt Ion:244 Resp: 3516375

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

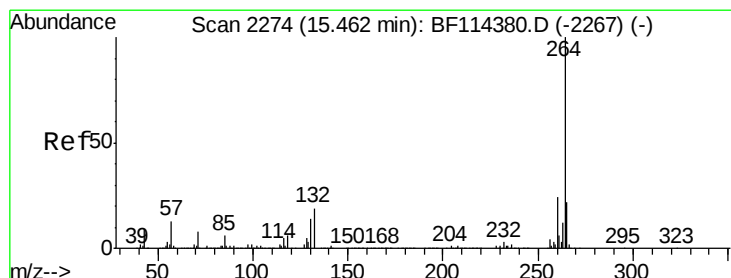
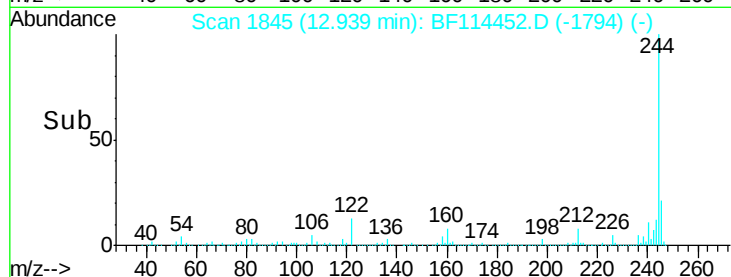
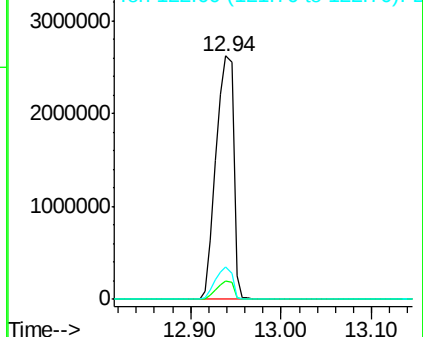
122 13.1 9.4 14.2



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: 15.46 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BF114452.D

Acq: 21 May 2019 13:39

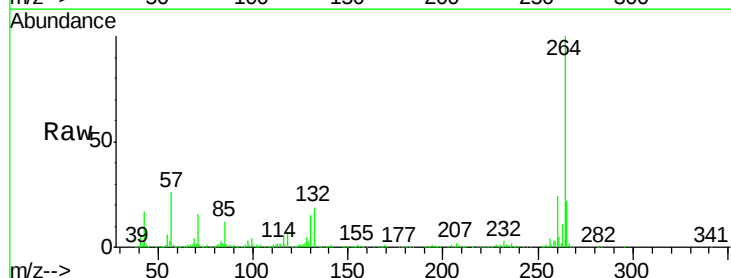
Tgt Ion:264 Resp: 648308

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 21.8 16.9 25.3



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

