

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061920\
 Data File : BF120667.D
 Acq On : 19 Jun 2020 16:53
 Operator : JU/CG
 Sample : L3048-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Jun 20 00:51:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	133417	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	509979	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	273490	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	552212	20.00	ng	0.00
76) Chrysene-d12	13.96	240	483979	20.00	ng	0.00
86) Perylene-d12	15.40	264	495167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	848644	109.05	ng	0.00
7) Phenol-d6	6.43	99	912342	94.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	788072	86.38	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	418113	131.49	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1517284	84.88	ng	0.00
79) Terphenyl-d14	12.91	244	1982228	90.47	ng	0.00

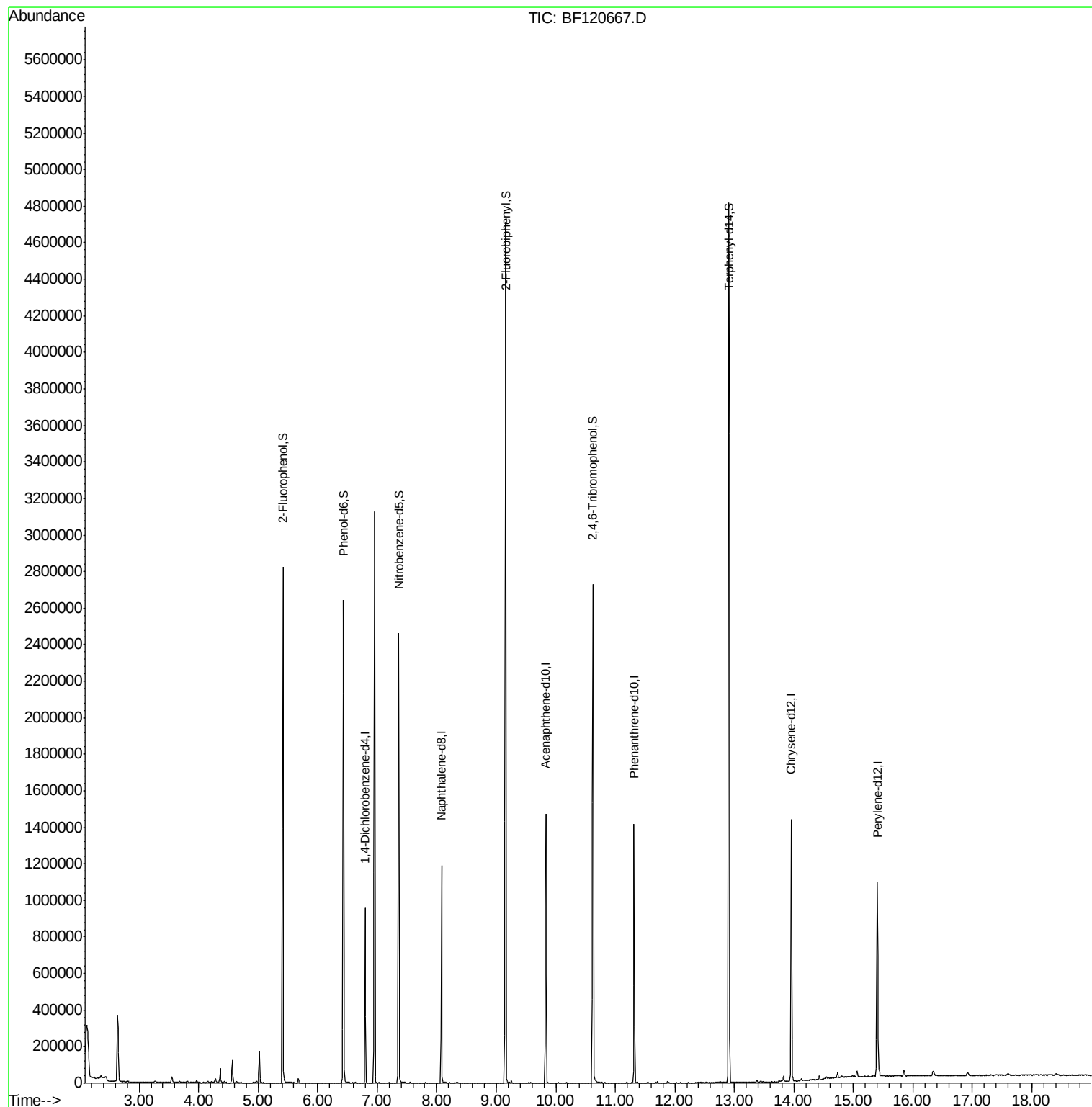
Target Compounds Qvalue

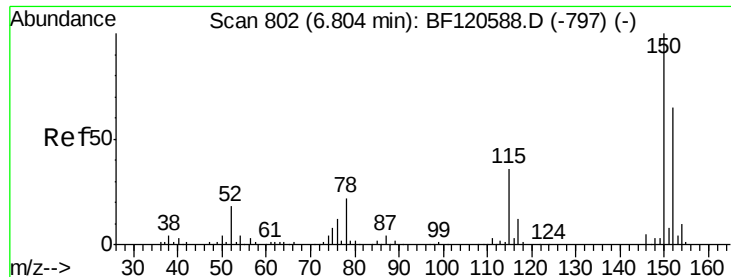
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

Instrument :

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ClientSampleId :

SOIL-CUTTINGS

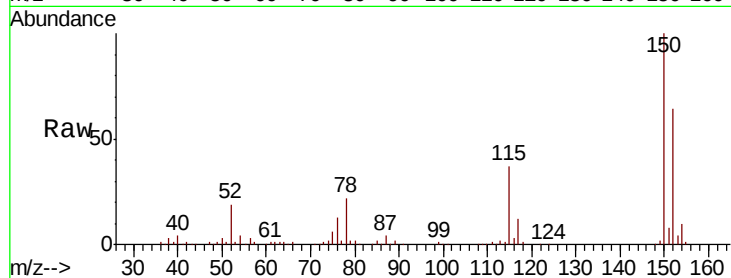
Tot Ion:152 Resp: 133417

Ion Ratio Lower Upper

152 100

150 155.6 123.2 184.8

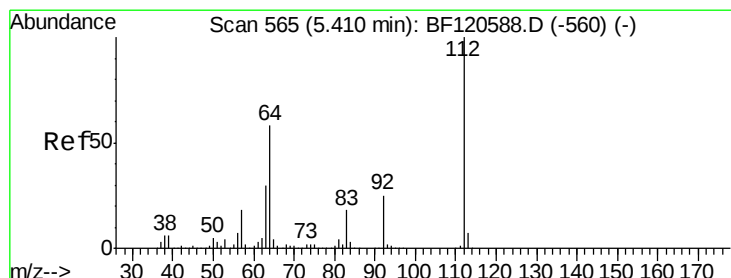
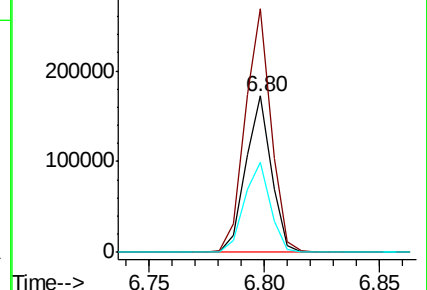
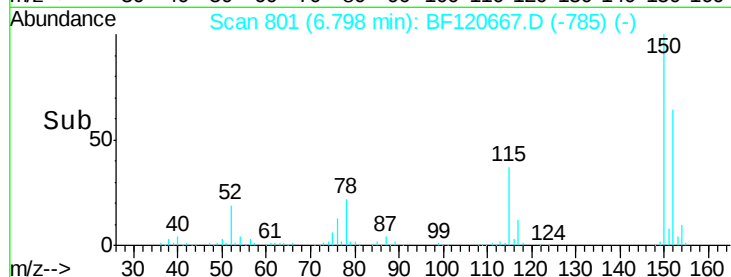
115 57.6 43.9 65.9



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: 109.054 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

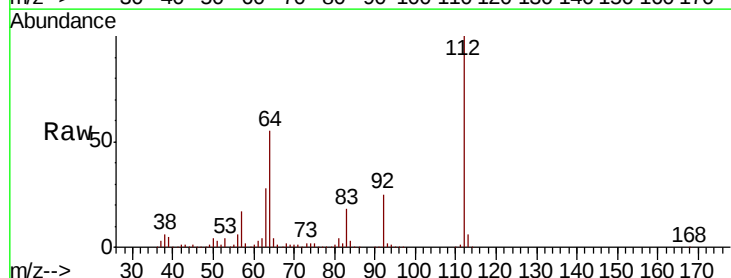
Tgt Ion:112 Resp: 848644

Ion Ratio Lower Upper

112 100

64 54.9 46.1 69.1

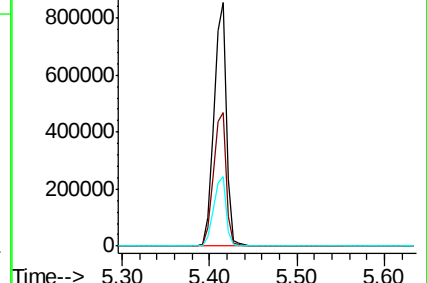
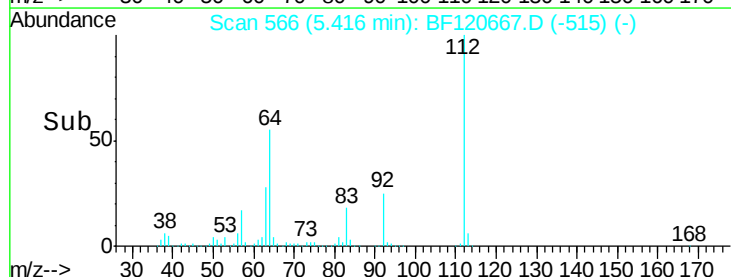
63 28.4 23.7 35.5

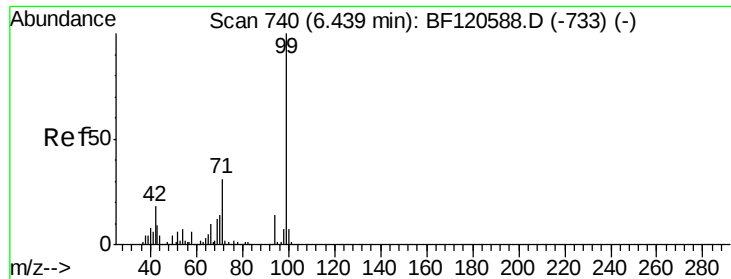


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.130 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

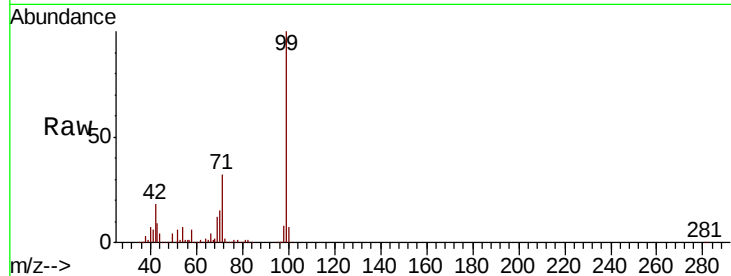
Tot Ion: 99 Resp: 912342

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

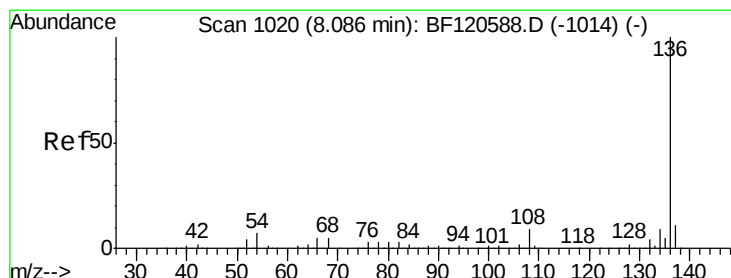
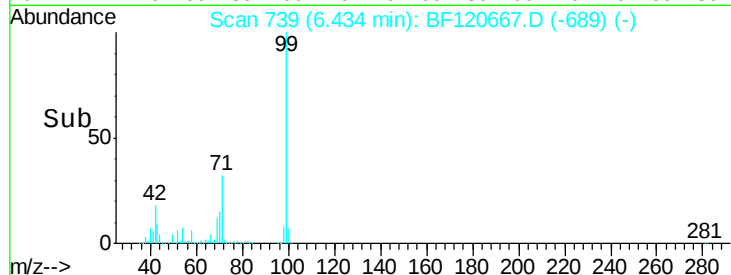
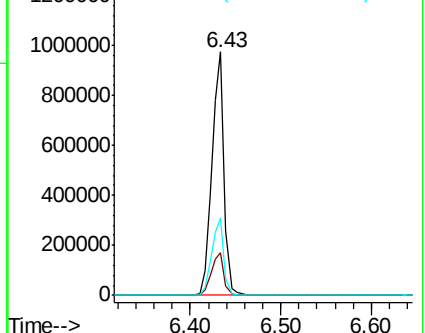
71 31.8 24.9 37.3



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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

Tgt Ion: 136 Resp: 509979

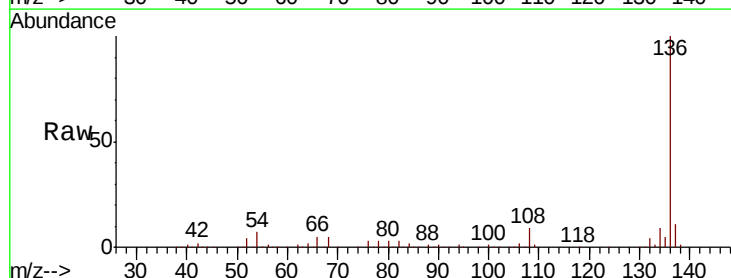
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.2 5.8 8.6

68 5.4 4.4 6.6

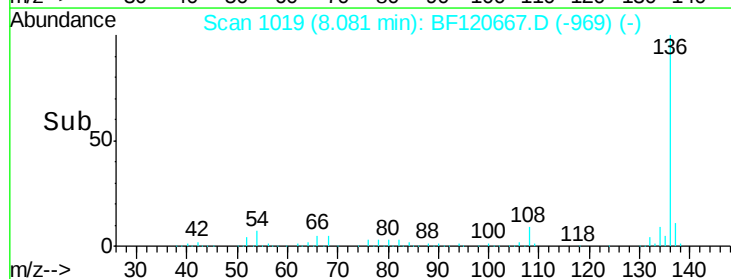
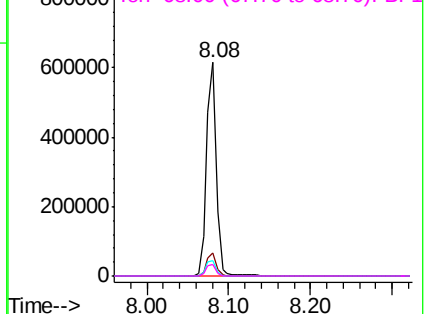


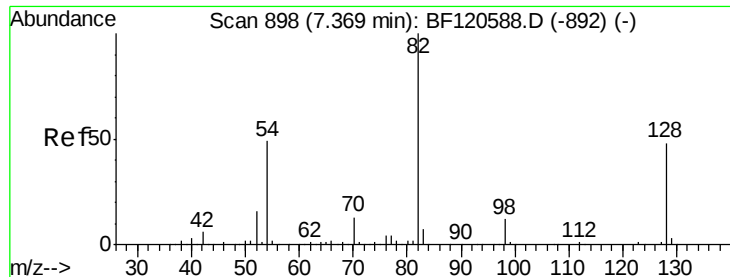
Abundance Ion 136.00 (135.70 to 136.70): E

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

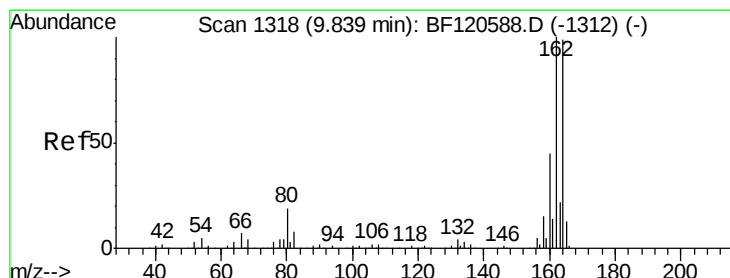
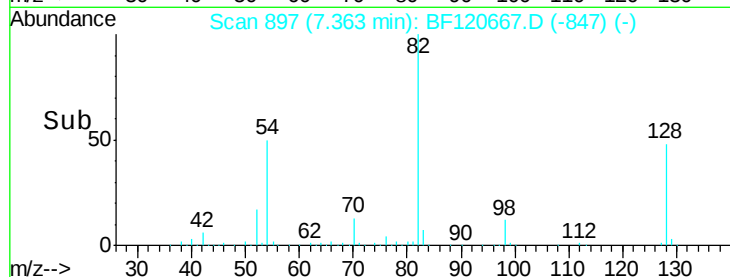
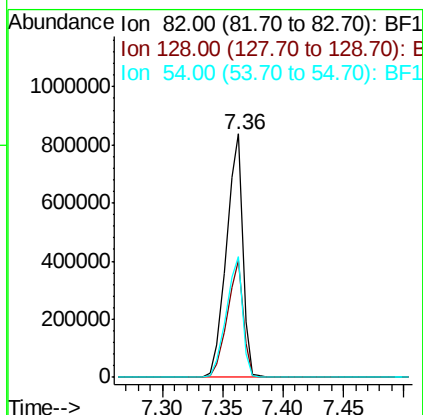
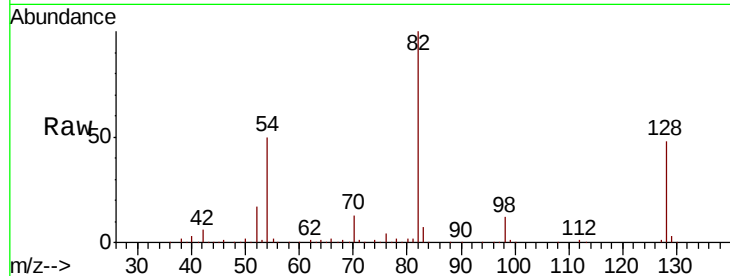




#23
Nitrobenzene-d5
Concen: 86.377 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120667.D
Acq: 19 Jun 2020 16:53

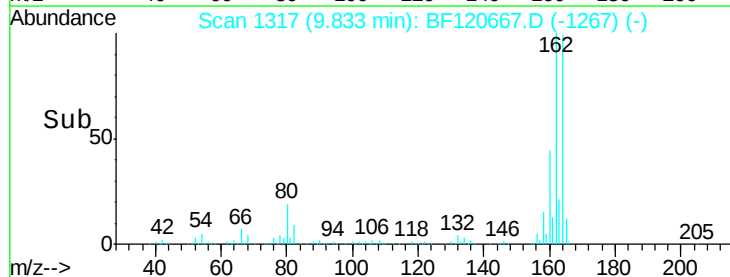
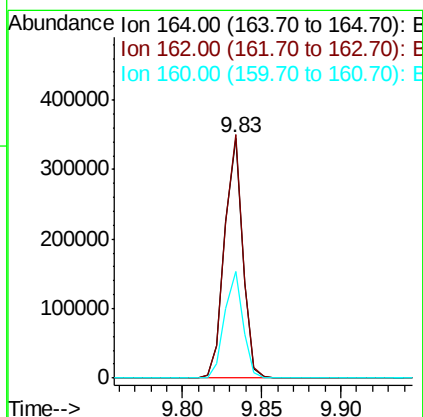
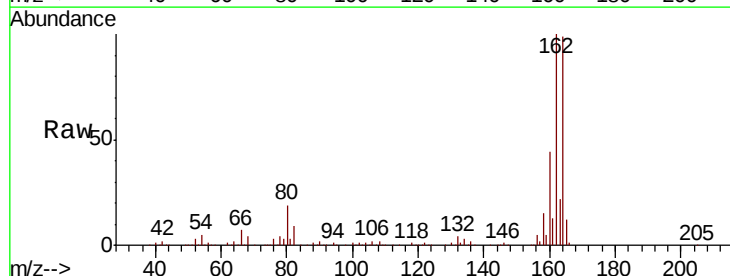
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

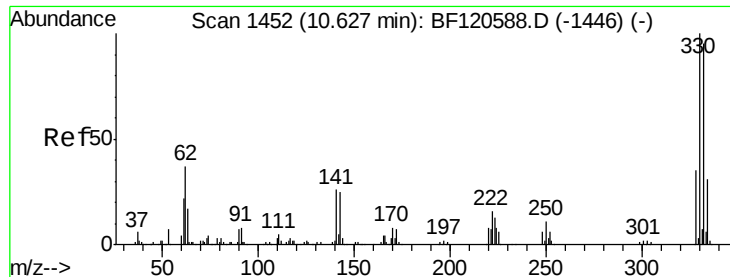
Tot Ion	82	Resp	788072
Ion Ratio	Lower	Upper	
82	100		
128	48.2	38.0	57.0
54	49.6	38.8	58.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120667.D
Acq: 19 Jun 2020 16:53

Tgt Ion	164	Resp	273490
Ion Ratio	Lower	Upper	
164	100		
162	101.5	80.6	120.8
160	44.7	36.2	54.2

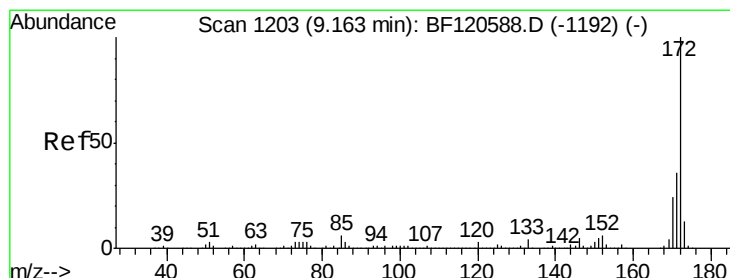
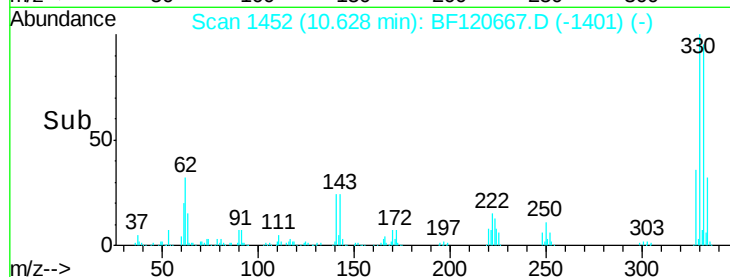
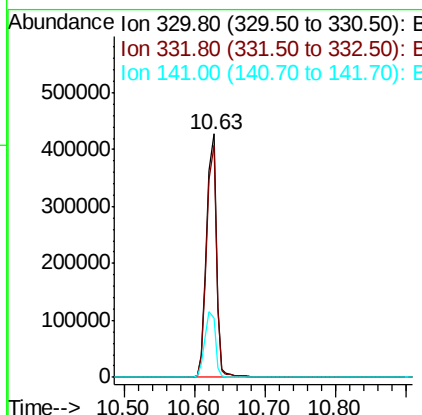
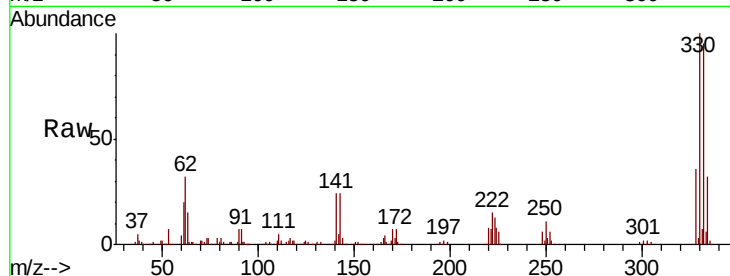




#42
 2,4,6-Tribromophenol
 Concen: 131.494 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120667.D
 Acq: 19 Jun 2020 16:53

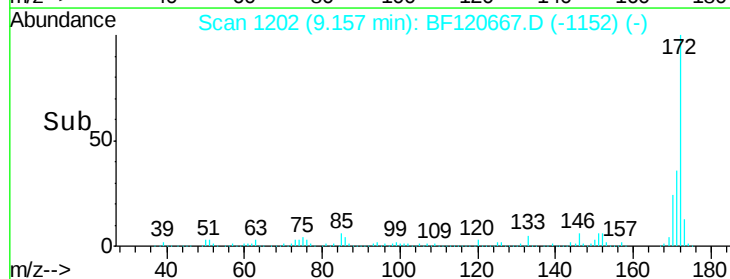
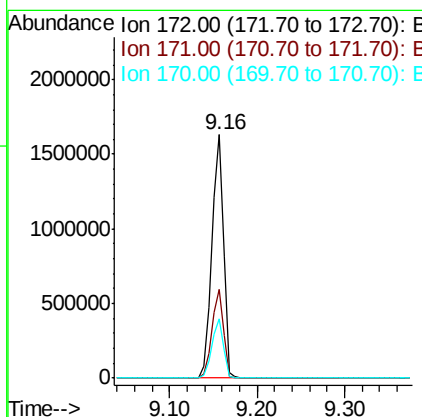
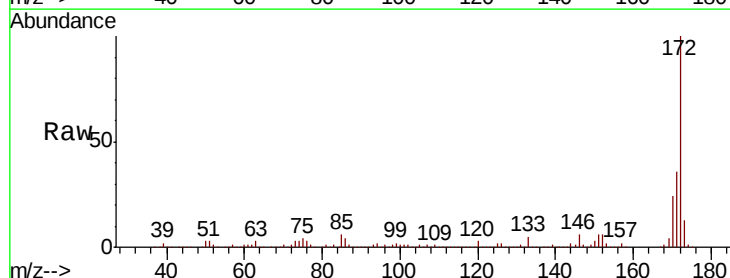
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

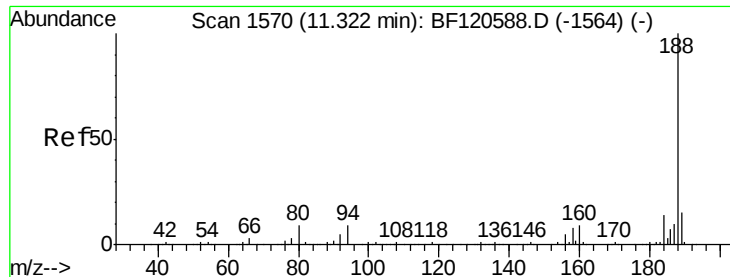
Tot Ion:330 Resp: 418113
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.8 115.2
 141 28.8 23.2 34.8



#45
 2-Fluorobiphenyl
 Concen: 84.881 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120667.D
 Acq: 19 Jun 2020 16:53

Tgt Ion:172 Resp: 1517284
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.4
 170 24.5 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

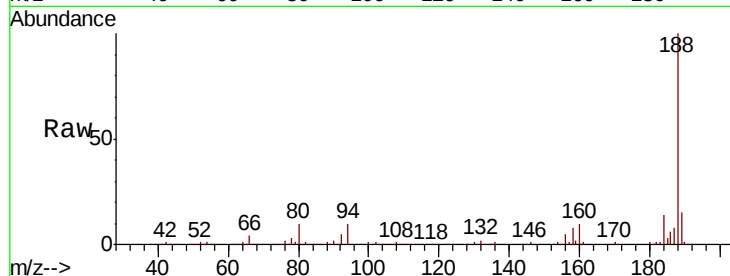
Tot Ion:188 Resp: 552212

Ion Ratio Lower Upper

188 100

94 9.9 7.2 10.8

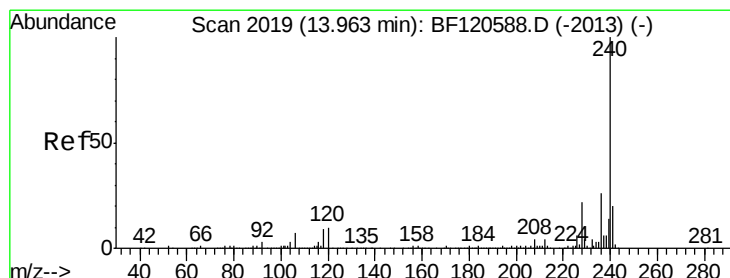
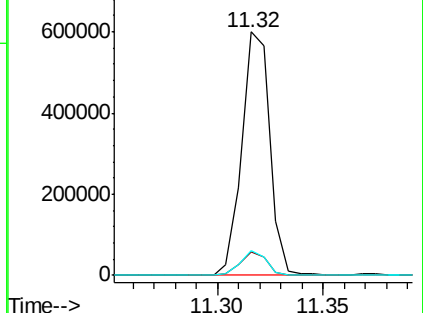
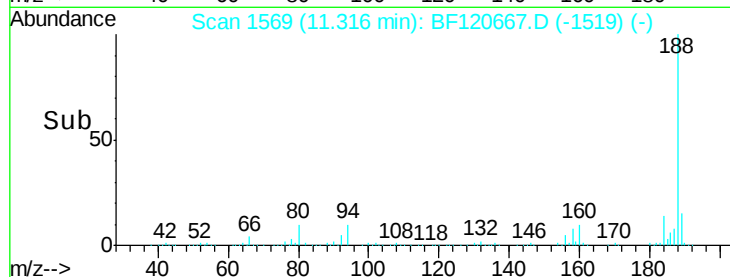
80 10.3 7.4 11.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

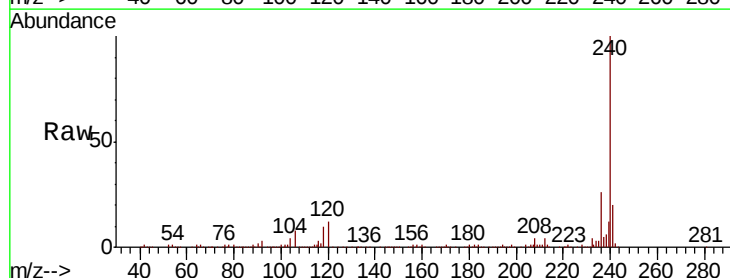
Tgt Ion:240 Resp: 483979

Ion Ratio Lower Upper

240 100

120 12.4 8.3 12.5

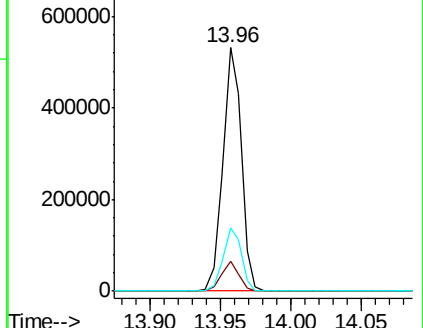
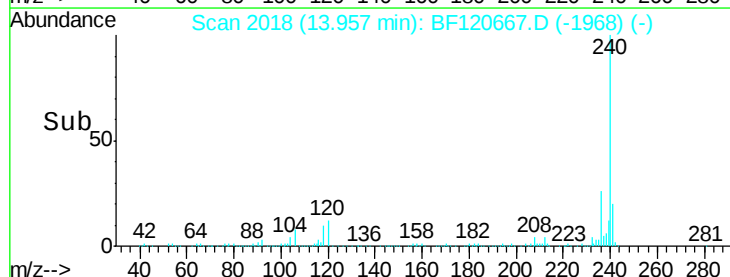
236 26.0 21.0 31.4

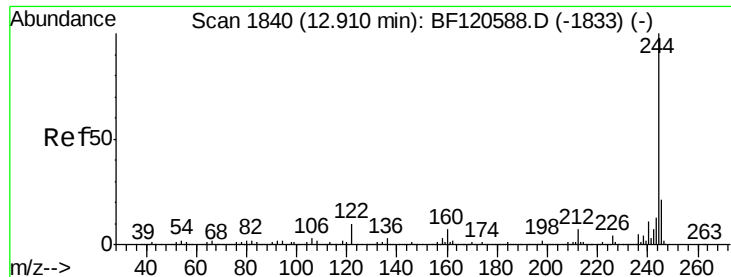


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 90.469 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

Instrument :

BNA_F

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SOIL-CUTTINGS

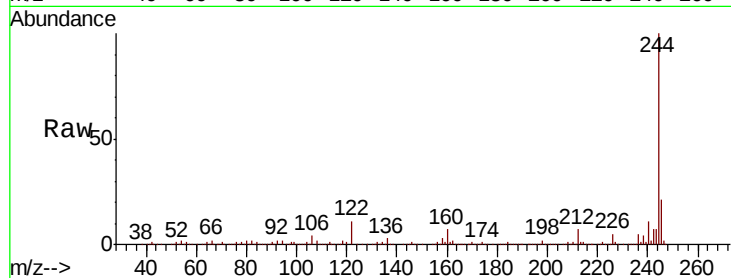
Tot Ion:244 Resp: 1982228

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

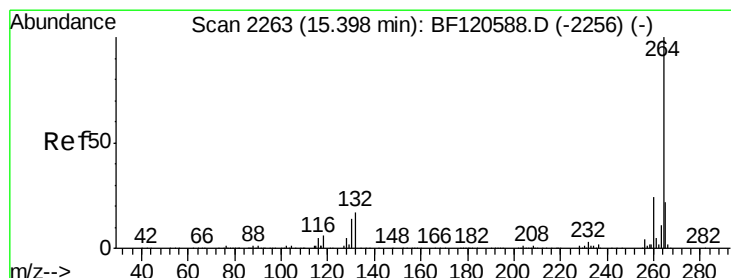
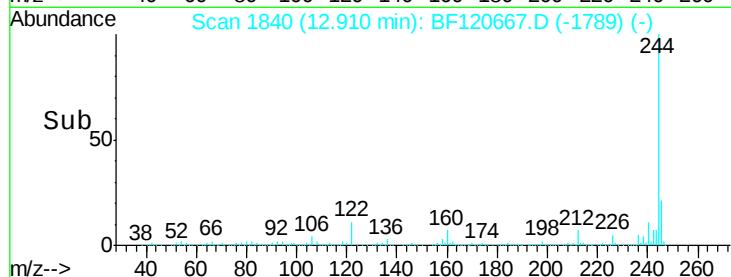
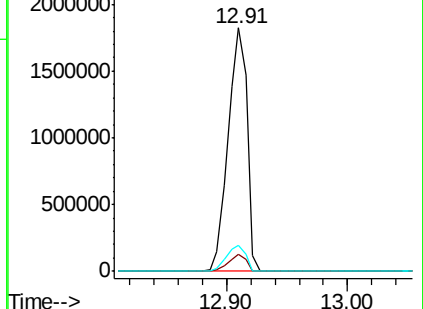
122 10.9 8.3 12.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

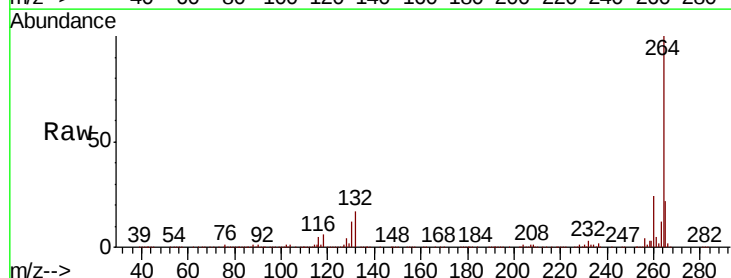
Tgt Ion:264 Resp: 495167

Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 21.7 17.8 26.8



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

