

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 00:45:09 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

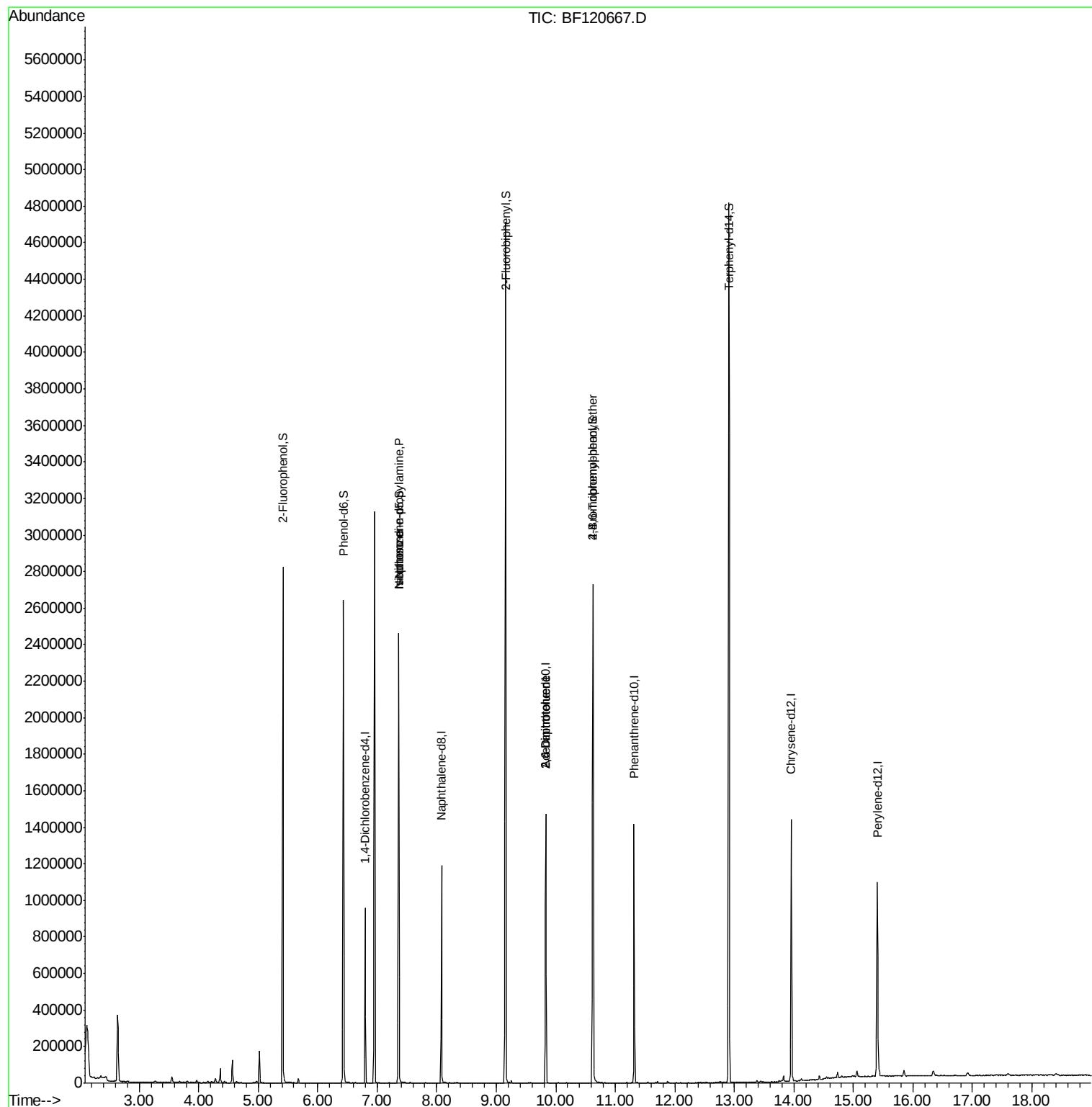
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	133417	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	509979	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	273490	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	552212	20.00	ng	0.00
76) Chrysene-d12	13.96	240	483979	20.00	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						
19) n-Nitroso-di-n-propylamine	7.36	70	103756	18.455	ng	# 78
25) Isophorone	7.36	82	785033	44.172	ng	# 62
51) 2,6-Dinitrotoluene	9.83	165	34993	7.839	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	34993	5.908	ng	# 29
67) 4-Bromophenyl-phenylether	10.63	248	24812	3.959	ng	# 1

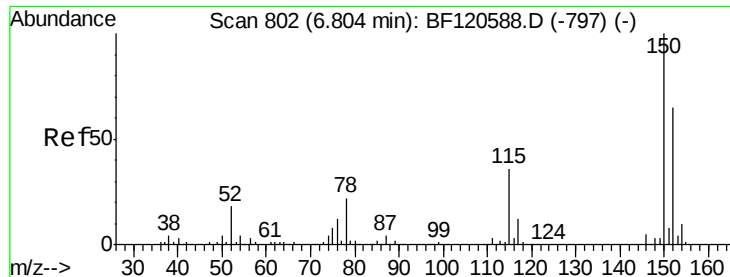
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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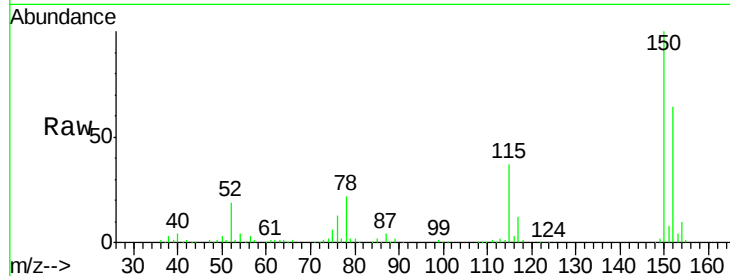


#1

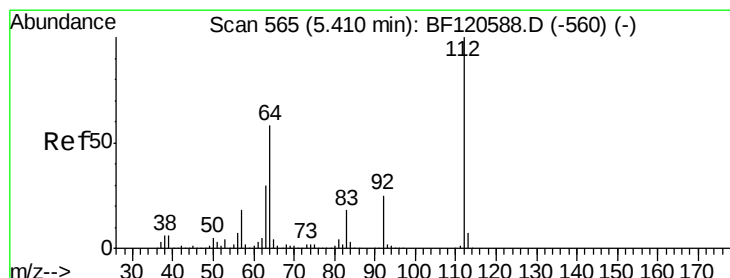
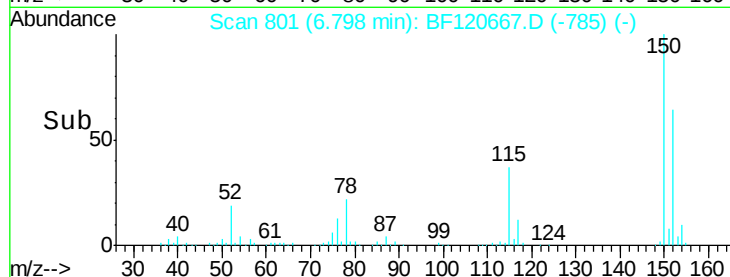
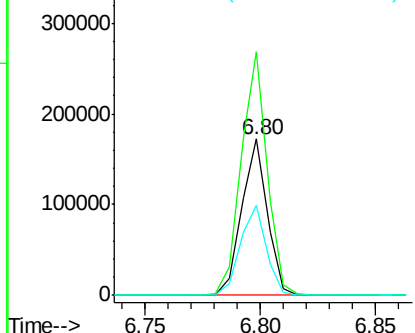
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120667.D
Acq: 19 Jun 2020 16:53

Instrument :
BNA_F
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



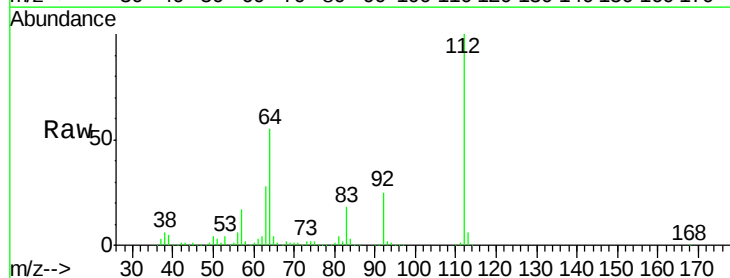
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



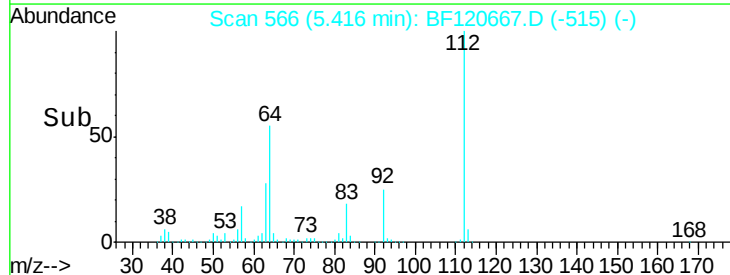
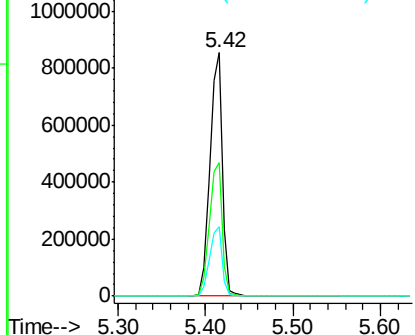
#5

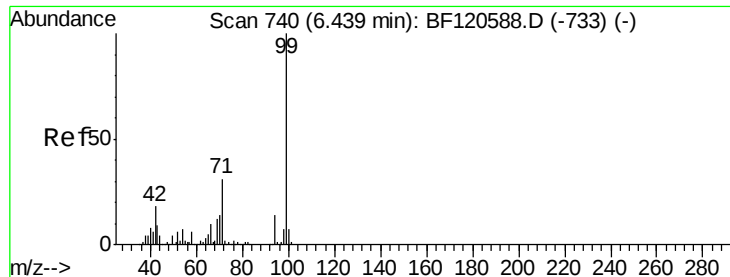
2-Fluorophenol
Concen: 109.054 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120667.D
Acq: 19 Jun 2020 16:53

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

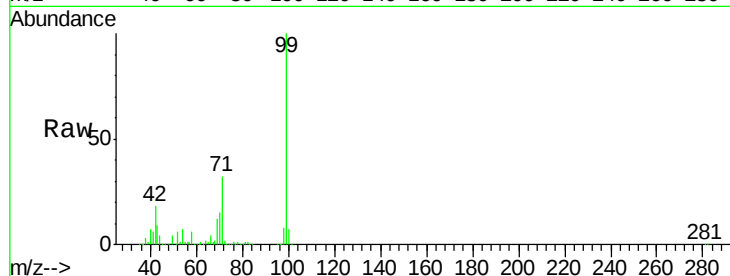
Tot Ion: 99 Resp: 912342

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

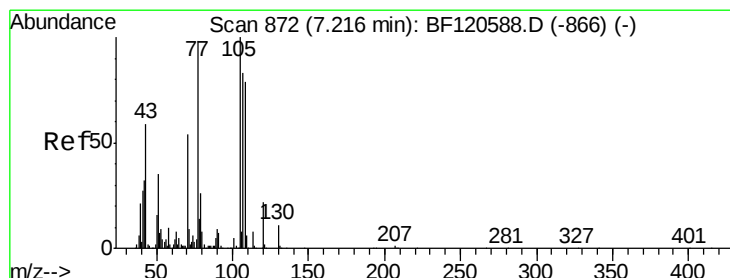
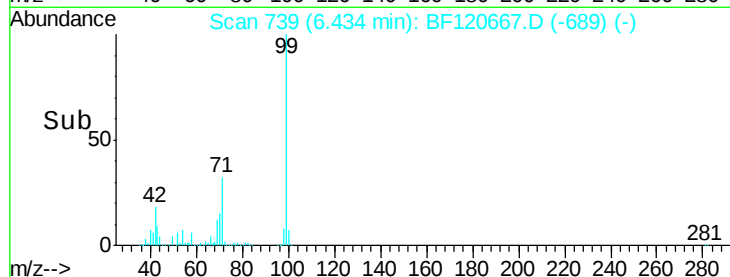
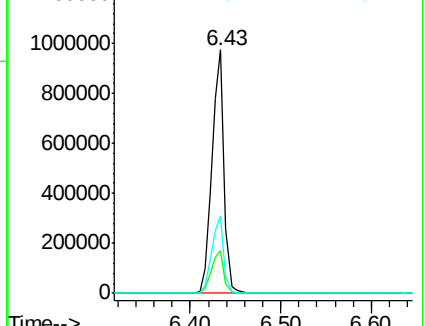
71 31.8 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.455 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

Tgt Ion: 70 Resp: 103756

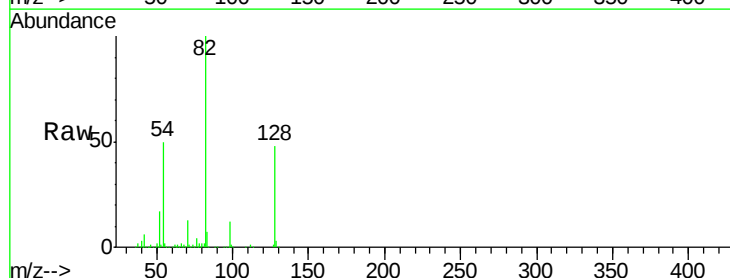
Ion Ratio Lower Upper

70 100

42 47.9 47.7 71.5

101 0.0 7.6 11.4#

130 2.2 16.7 25.1#

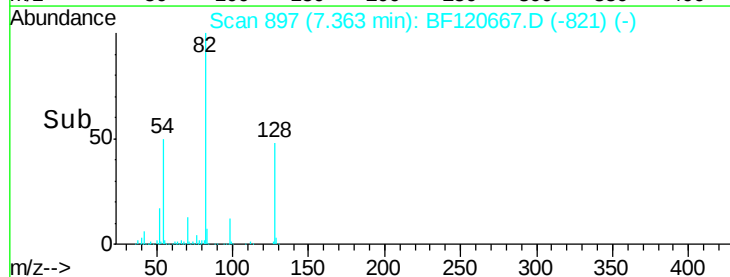
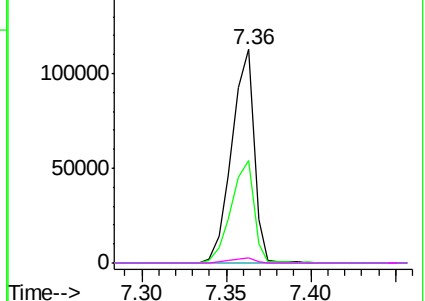


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

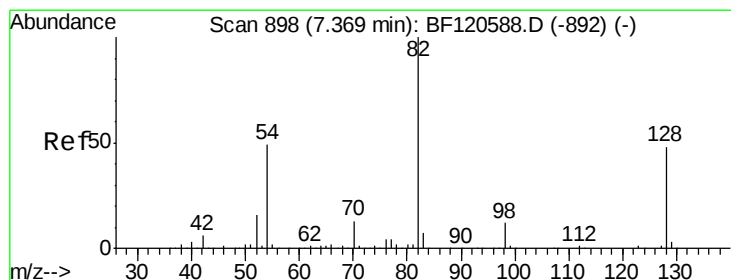
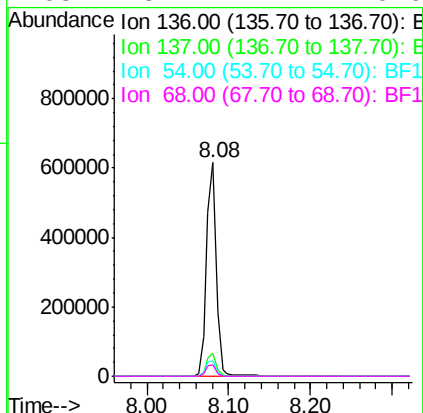
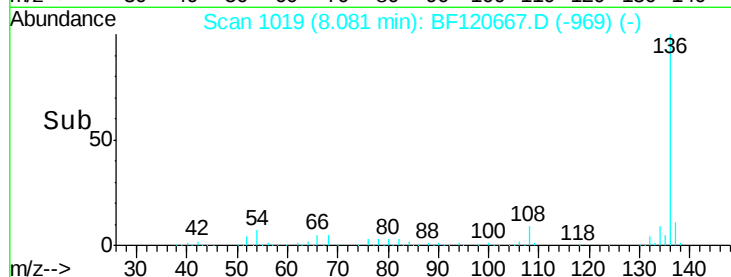
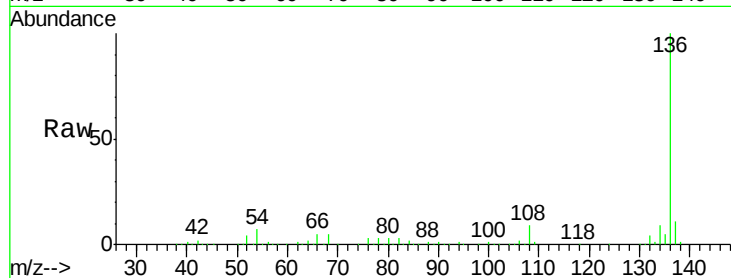




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120667.D
Acq: 19 Jun 2020 16:53

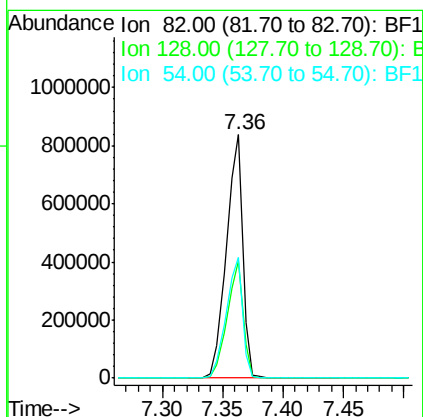
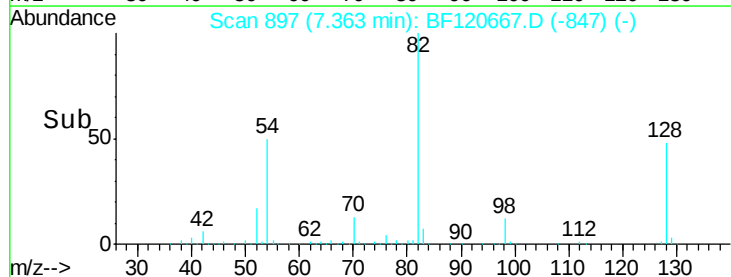
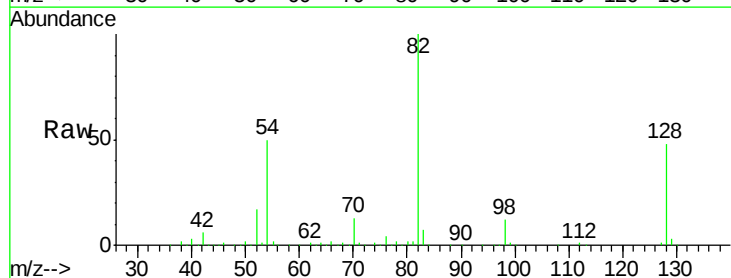
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

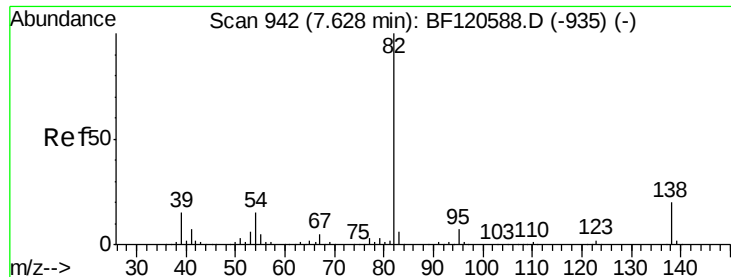
Tot Ion:136 Resp: 509979
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.2 5.8 8.6
68 5.4 4.4 6.6



#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

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





#25

Isophorone

Concen: 44.172 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

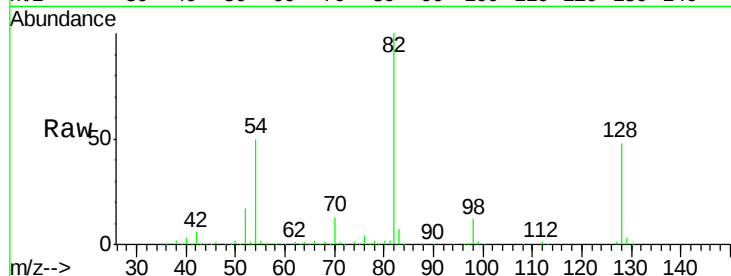
Tot Ion: 82 Resp: 785033

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

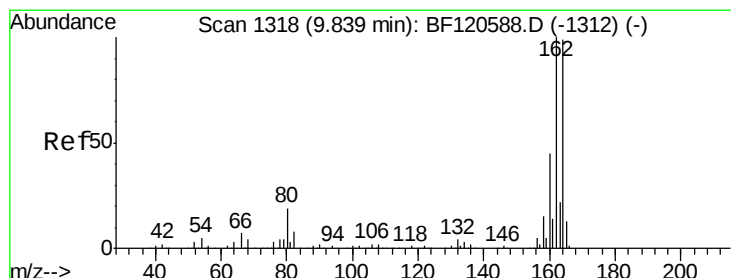
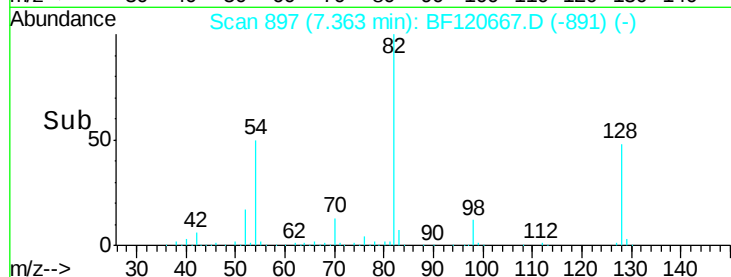
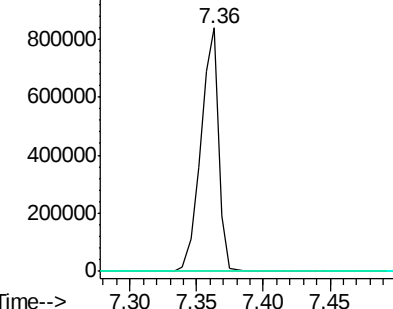
138 0.0 16.2 24.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#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

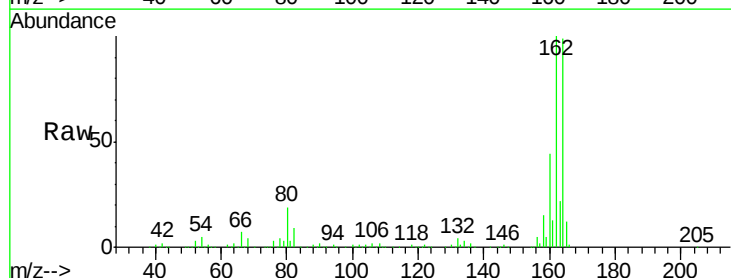
Tgt Ion:164 Resp: 273490

Ion Ratio Lower Upper

164 100

162 101.5 80.6 120.8

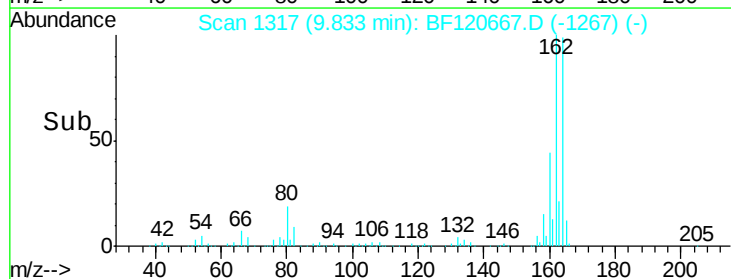
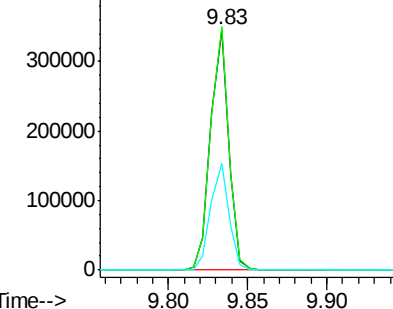
160 44.7 36.2 54.2

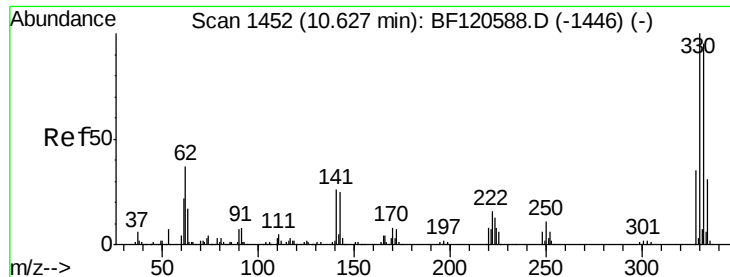


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

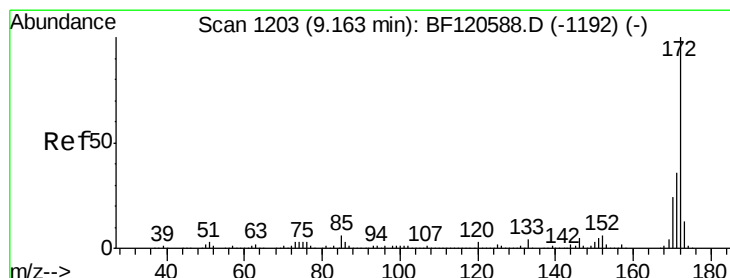
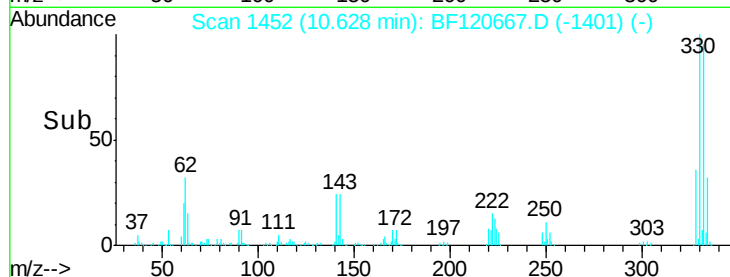
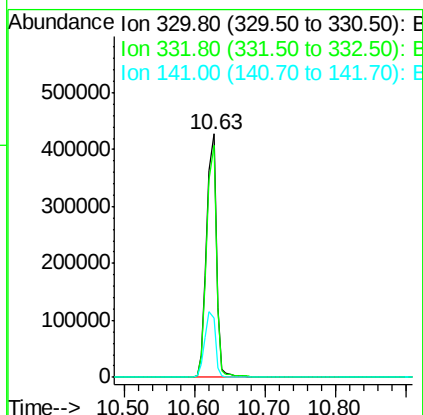
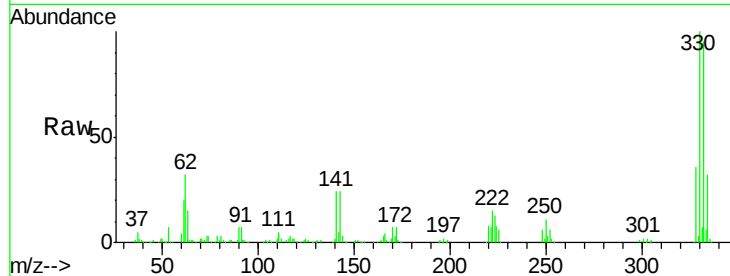




#42
 2,4,6-Tribromophenol
 Concen: 131.494 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120667.D
 Acq: 19 Jun 2020 16:53

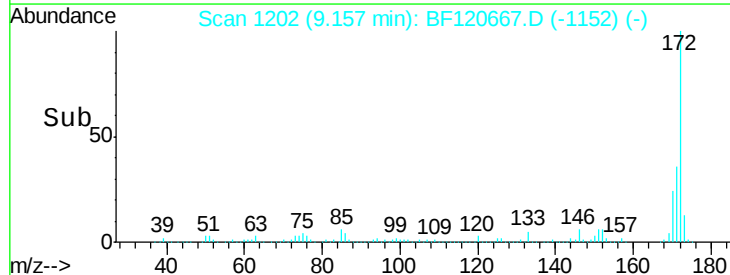
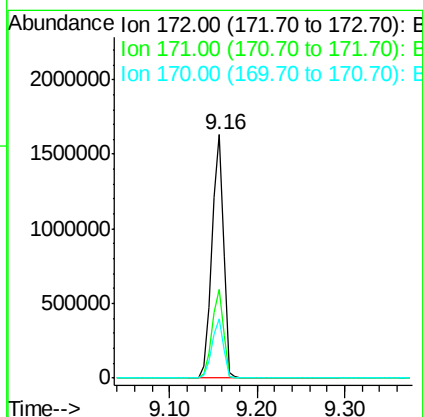
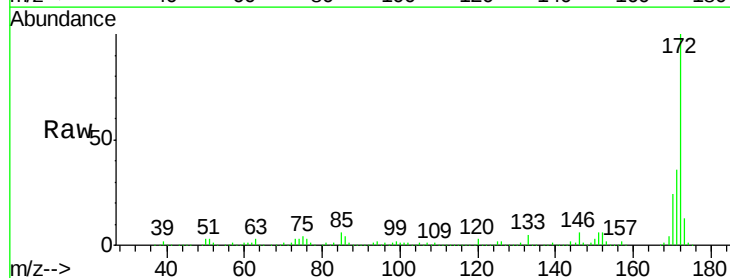
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 SOIL-CUTTINGS

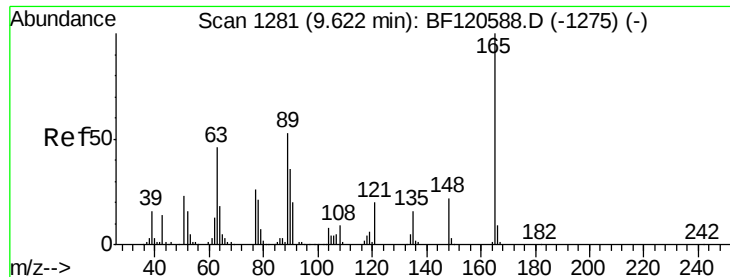
Tot Ion:330 Resp: 418113
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.8 115.2
 141 28.8 23.2 34.8



#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

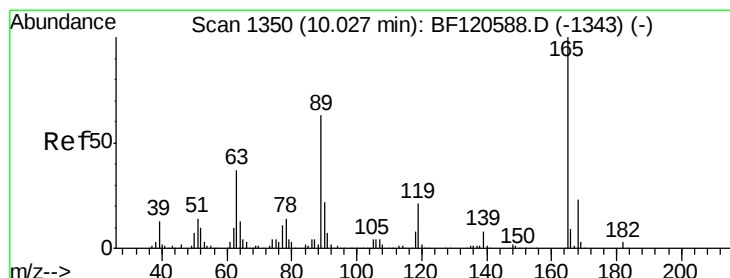
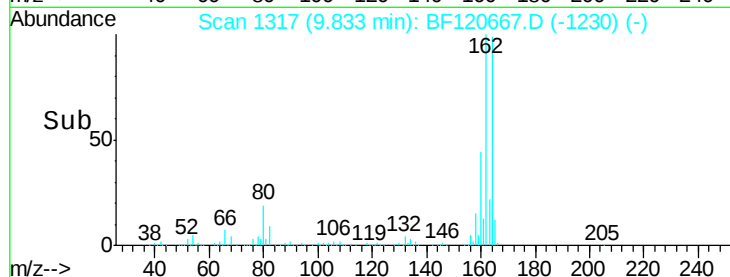
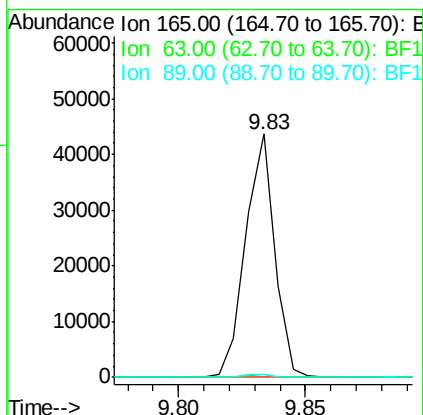
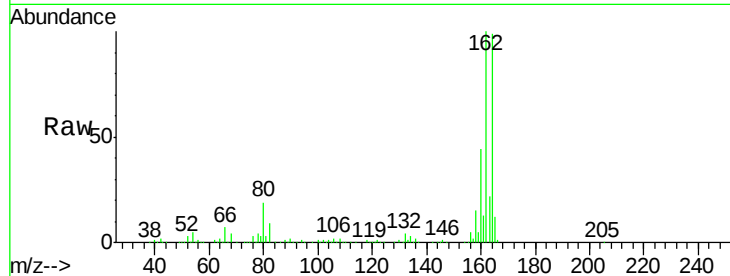




#51
 2,6-Dinitrotoluene
 Concen: 7.839 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF120667.D
 Acq: 19 Jun 2020 16:53

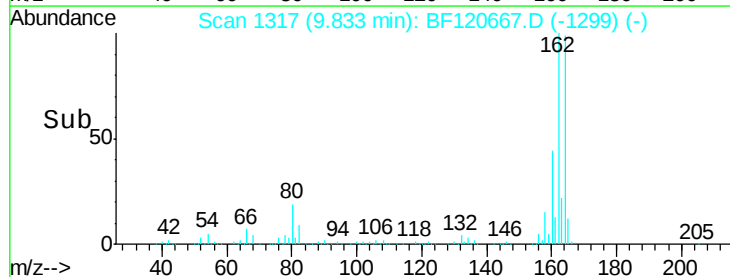
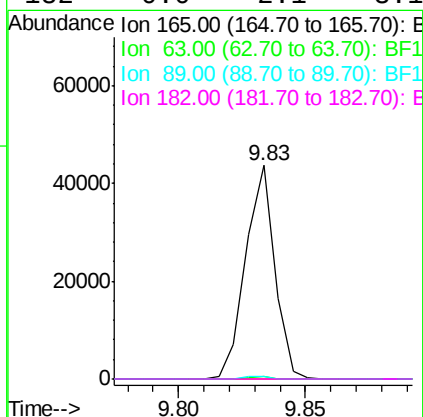
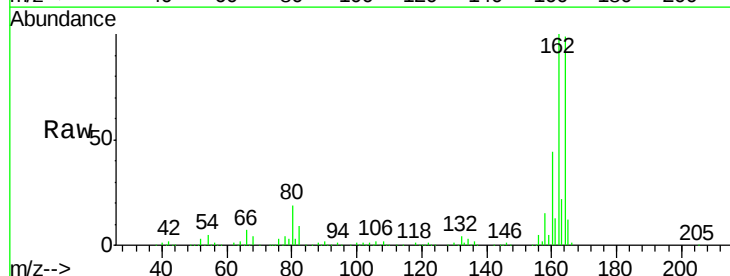
Instrument :
 BNA_F
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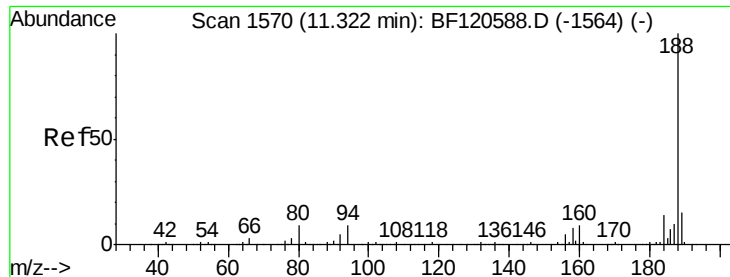
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.7	62.5#
89	1.2	42.6	64.0#



#57
 2,4-Dinitrotoluene
 Concen: 5.908 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF120667.D
 Acq: 19 Jun 2020 16:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	29.8	44.8#
89	1.2	50.4	75.6#
182	0.0	2.1	3.1#





#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

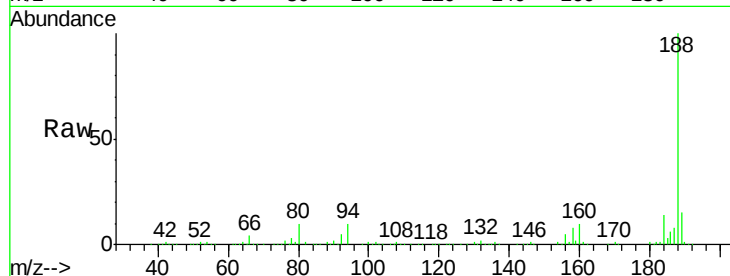
Tot Ion:188 Resp: 552212

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

800000

600000

400000

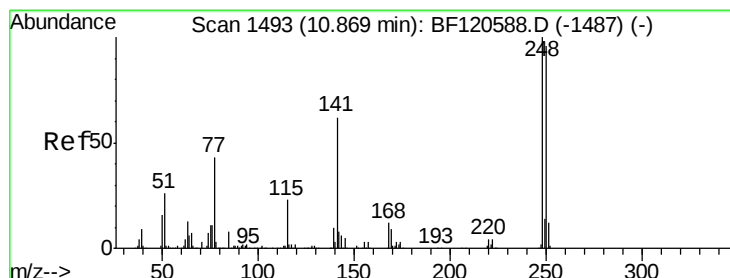
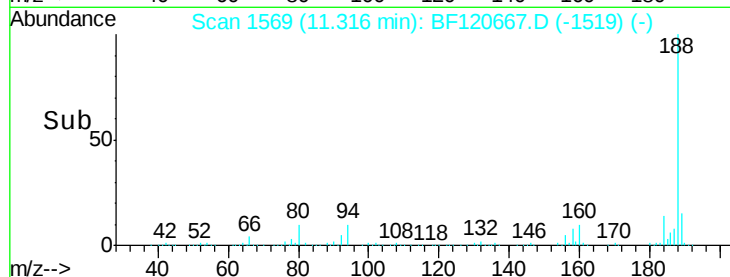
200000

0

11.32

11.35

Time-->



#67

4-Bromophenyl-phenylether

Concen: 3.959 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF120667.D

Acq: 19 Jun 2020 16:53

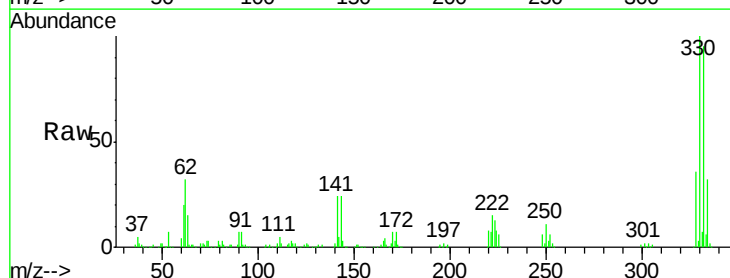
Tgt Ion:248 Resp: 24812

Ion Ratio Lower Upper

248 100

250 196.1 76.7 115.1#

141 419.6 49.4 74.0#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

150000

100000

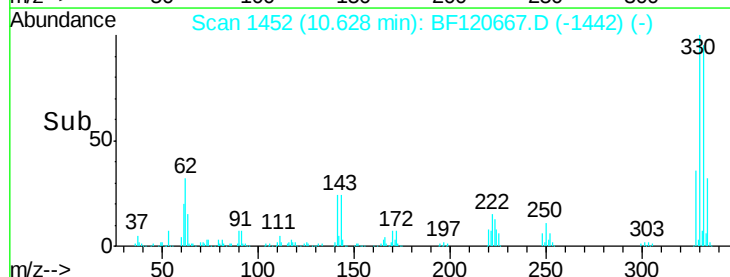
50000

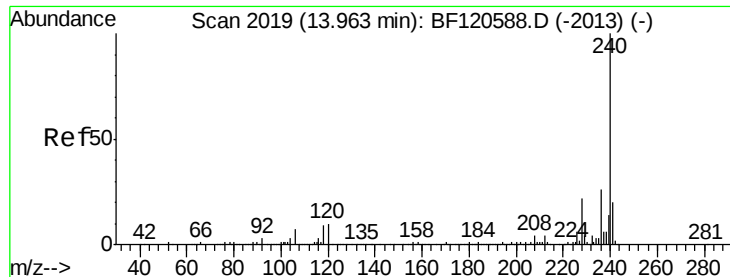
0

10.63

10.65

Time-->

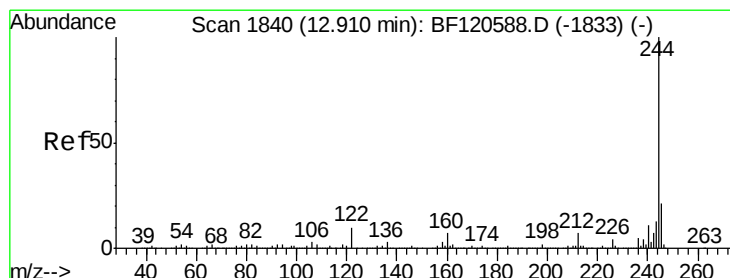
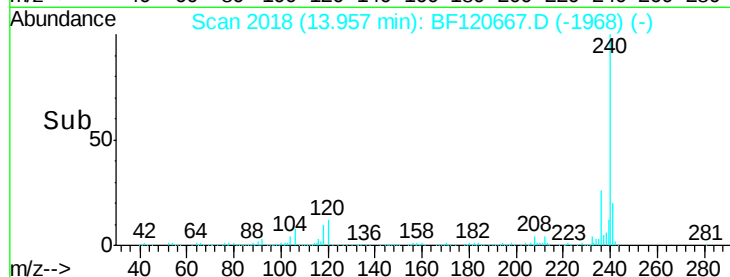
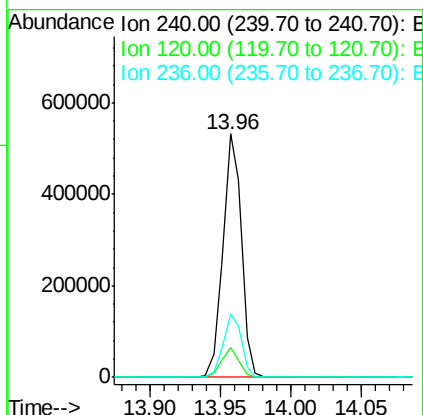
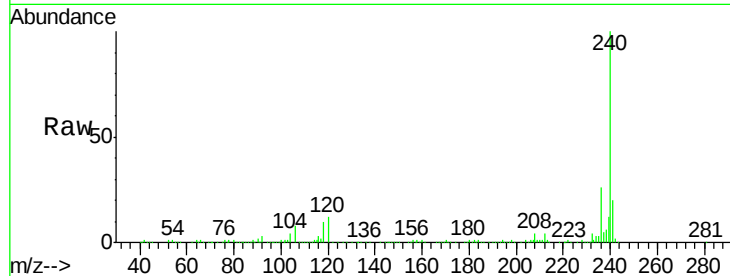




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120667.D
Acq: 19 Jun 2020 16:53

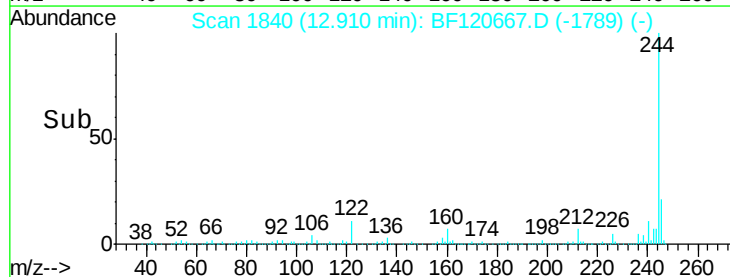
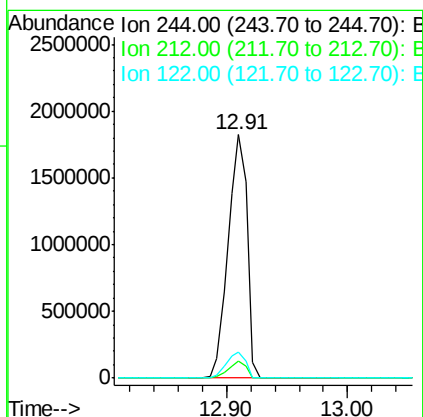
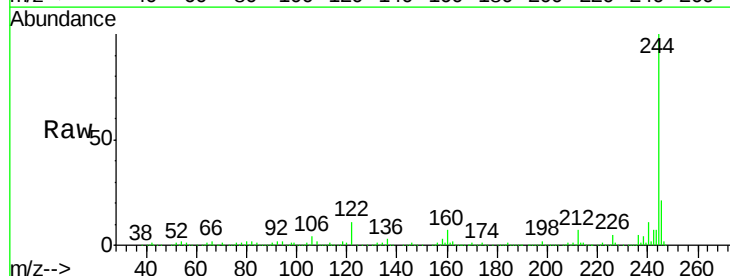
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

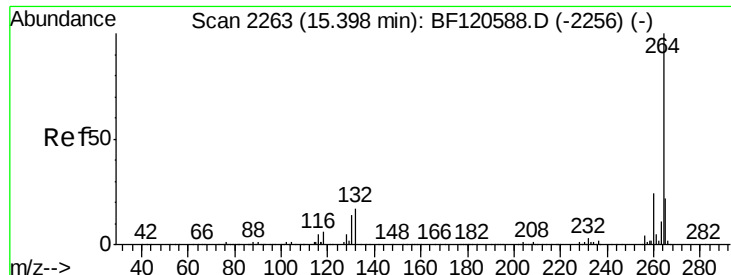
Tot Ion:240 Resp: 483979
Ion Ratio Lower Upper
240 100
120 12.4 8.3 12.5
236 26.0 21.0 31.4



#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

Tgt Ion:244 Resp: 1982228
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.9 8.3 12.5

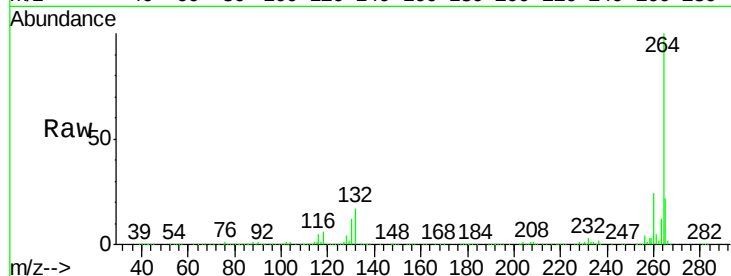




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120667.D
Acq: 19 Jun 2020 16:53

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tot 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

