

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101019\
 Data File : BF117368.D
 Acq On : 10 Oct 2019 18:55
 Operator : JU
 Sample : K5293-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KEARNY-TOPSOIL

Quant Time: Oct 11 05:27:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	51143	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	202346	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	104085	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	154479	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	86643	20.00	ng	-0.01
87) Perylene-d12	15.42	264	93353	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	324870	99.17	ng	0.00
7) Phenol-d6	6.44	99	451762	106.71	ng	-0.01
23) Nitrobenzene-d5	7.36	82	286366	74.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	84726	97.40	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	486026	73.01	ng	-0.01
79) Terphenyl-d14	12.90	244	338339	72.99	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.44	77	696	Below Cal		Qvalue
10) Phenol	6.45	94	14918	3.196	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	37029	14.364	ng	# 81
25) Isophorone	7.36	82	286384	42.000	ng	# 66
50) Dimethylphthalate	9.55	163	97594	13.243	ng	99
57) 2,4-Dinitrotoluene	9.83	165	12925	6.634	ng	# 18
67) 4-Bromophenyl-phenylether	10.62	248	5623	3.564	ng	# 1
75) Fluoranthene	12.53	202	31132	3.453	ng	97
78) Pyrene	12.76	202	26950	3.707	ng	96
81) Benzo(a)anthracene	13.95	228	13489	2.330	ng	96
83) Chrysene	13.95	228	13489	2.389	ng	95
88) Benzo(b)fluoranthene	15.00	252	25245	4.464	ng	# 93
89) Benzo(k)fluoranthene	15.00	252	25245	4.713	ng	# 93
90) Benzo(a)pyrene	15.36	252	12823	2.584	ng	# 89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

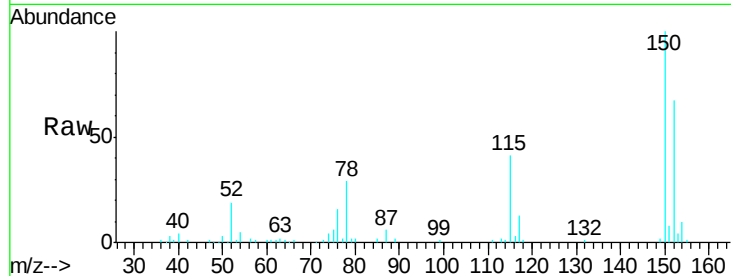
Tgt Ion:152 Resp: 51143

Ion Ratio Lower Upper

152 100

150 149.0 127.5 191.3

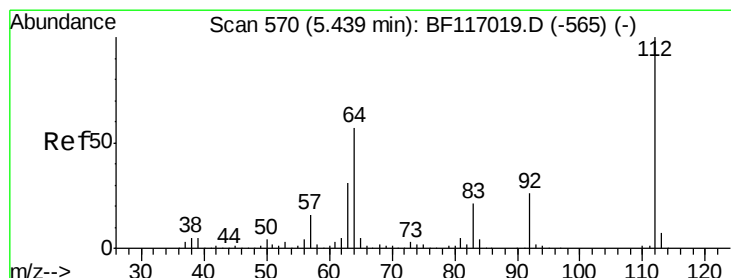
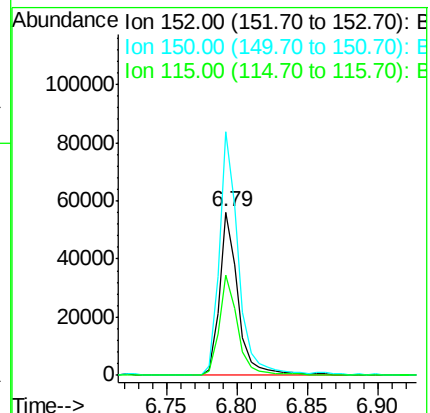
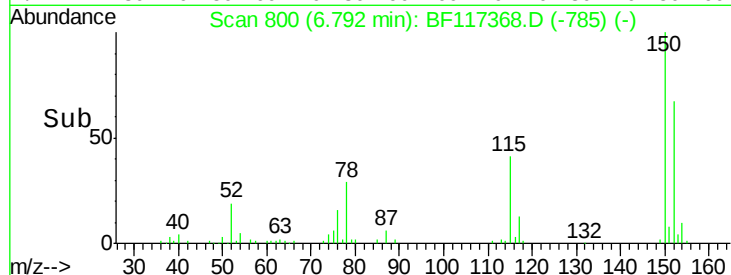
115 61.5 55.0 82.4



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: 99.173 ng

RT: 5.42 min Scan# 567

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

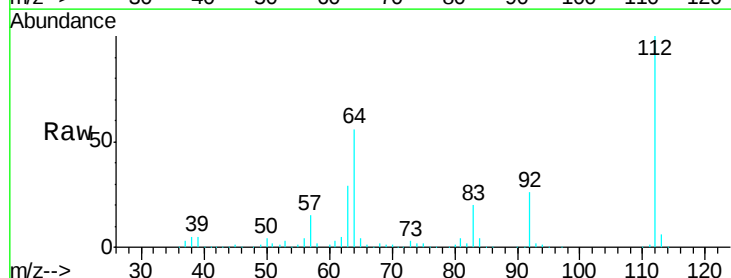
Tgt Ion:112 Resp: 324870

Ion Ratio Lower Upper

112 100

64 55.6 45.7 68.5

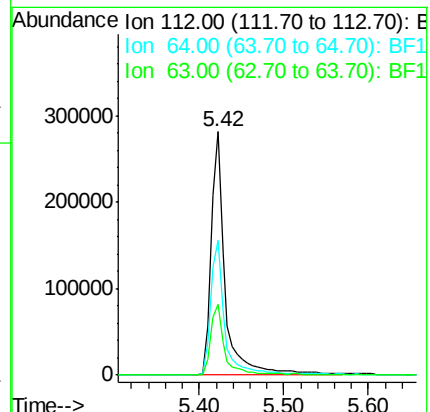
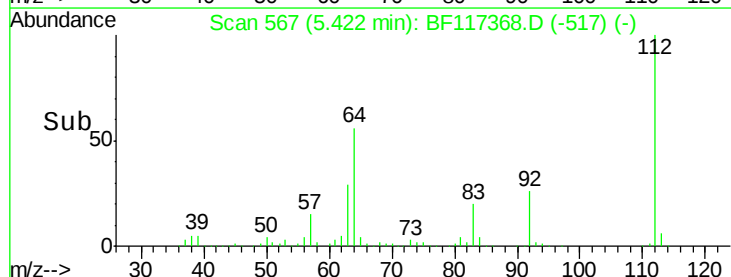
63 29.2 24.9 37.3



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: 106.712 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

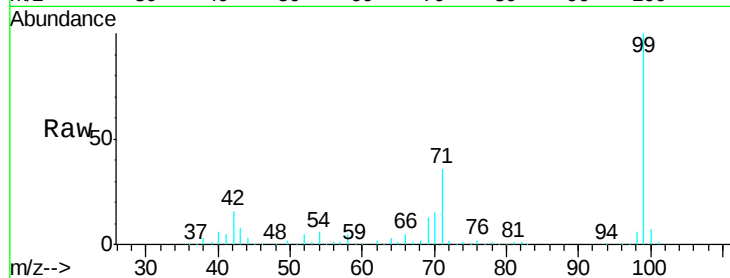
Tgt Ion: 99 Resp: 451762

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

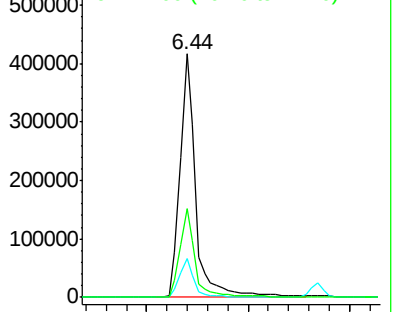
71 36.4 29.8 44.8



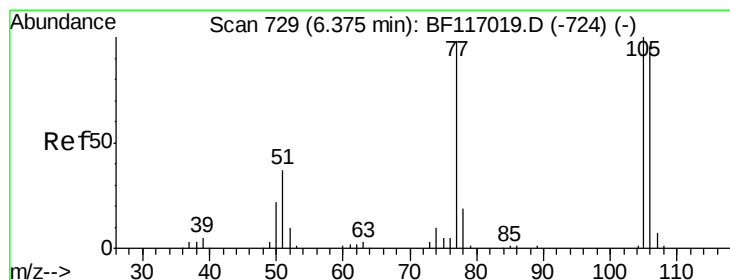
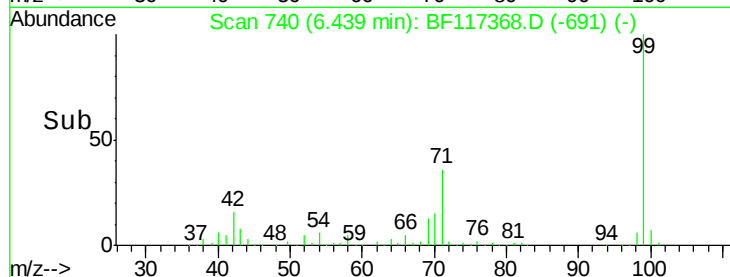
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#9

Benzaldehyde

Concen: Below Cal

RT: 6.44 min Scan# 740

Delta R.T. 0.08 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

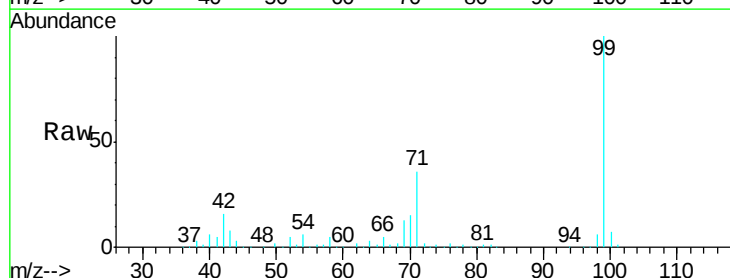
Tgt Ion: 77 Resp: 696

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

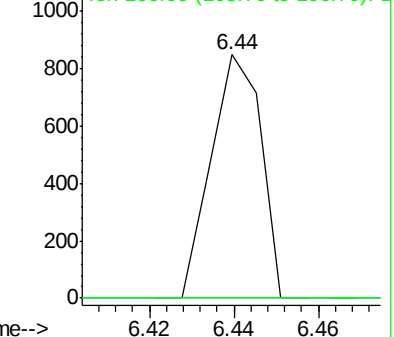
106 0.0 77.3 117.3#



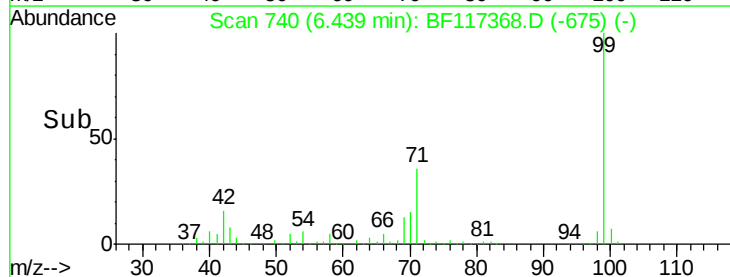
Abundance Ion 77.00 (76.70 to 77.70): BF1

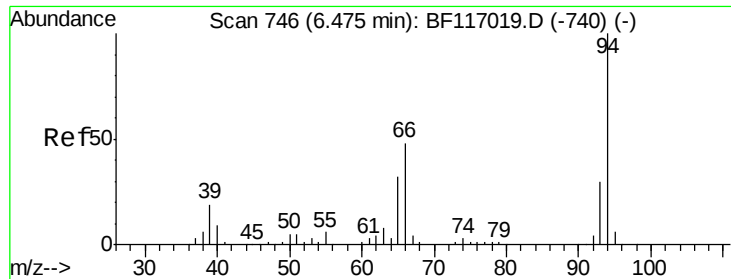
Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



Time-->

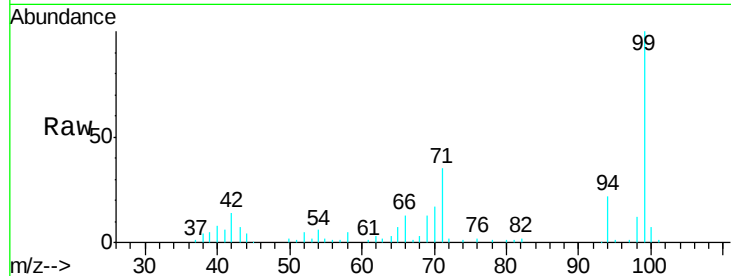




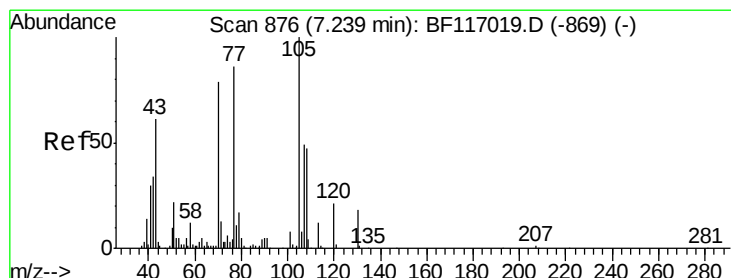
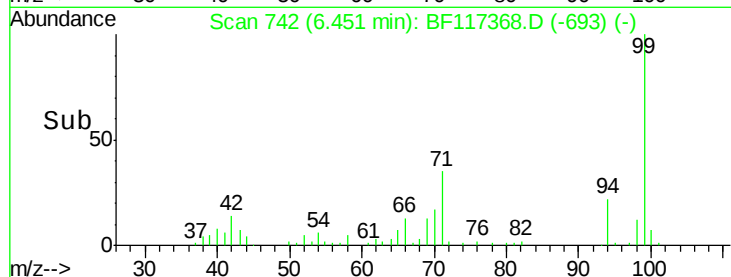
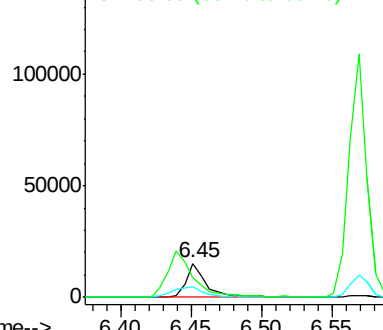
#10
Phenol
Concen: 3.196 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tgt Ion: 94 Resp: 14918
Ion Ratio Lower Upper
94 100
65 31.0 12.5 52.5
66 58.5 28.9 68.9



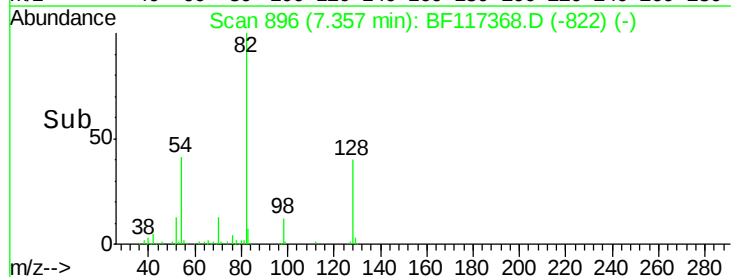
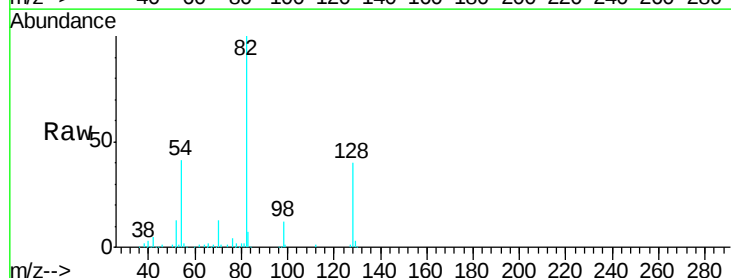
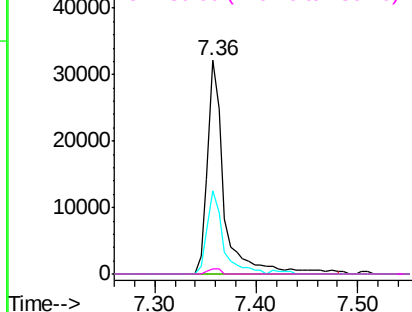
Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

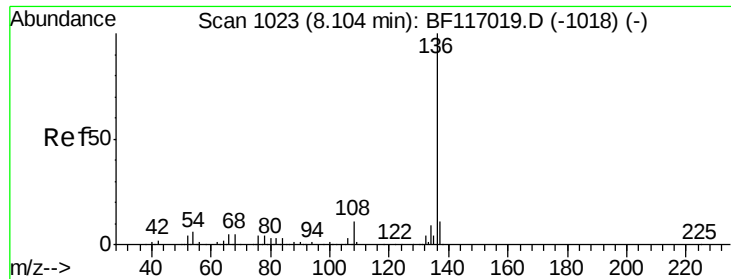


#19
n-Nitroso-di-n-propylamine
Concen: 14.364 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Tgt Ion: 70 Resp: 37029
Ion Ratio Lower Upper
70 100
42 39.0 34.0 51.0
101 0.0 7.8 11.6#
130 2.2 17.8 26.8#

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

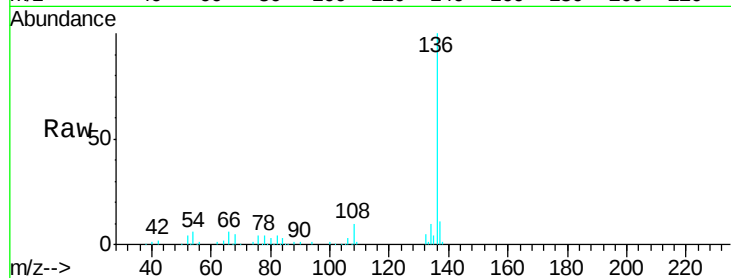




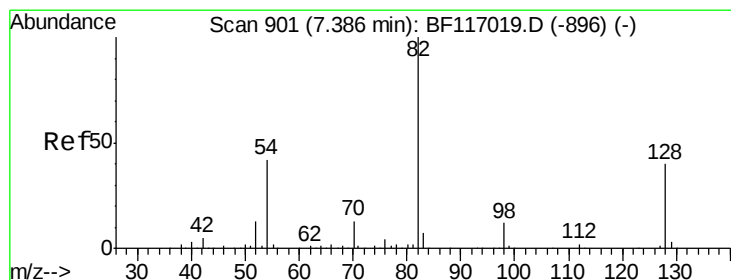
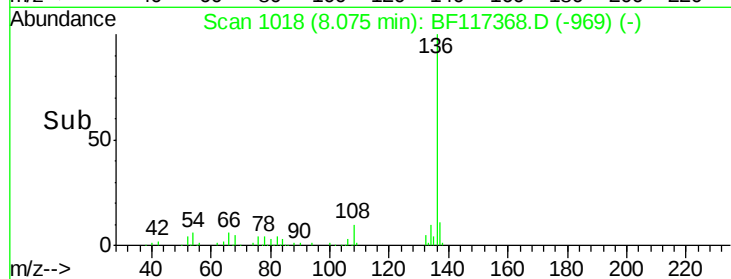
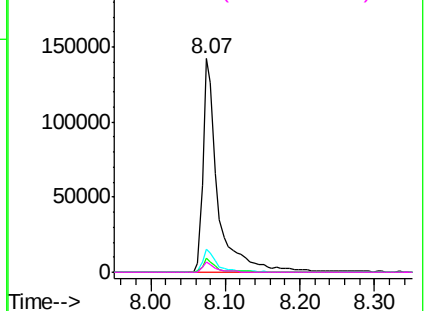
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tgt Ion:	136	Resp:	202346
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.4	4.5	6.7
68	4.6	4.0	6.0

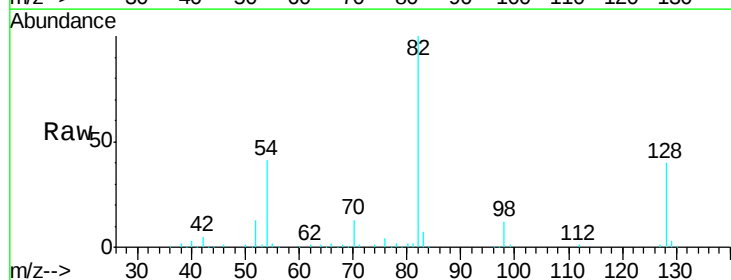


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

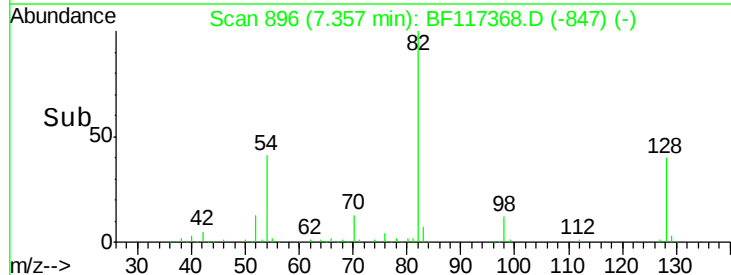
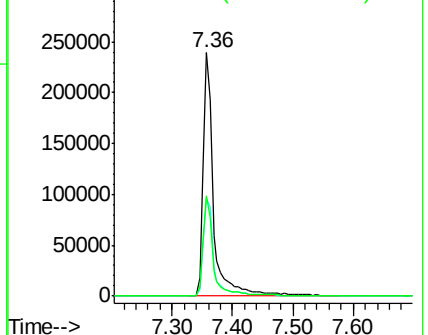


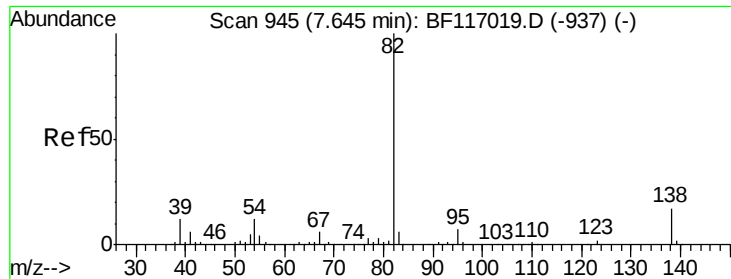
#23
Nitrobenzene-d5
Concen: 74.360 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Tgt Ion:	82	Resp:	286366
Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.3	48.5
54	41.2	33.3	49.9



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





#25

Isophorone

Concen: 42.000 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

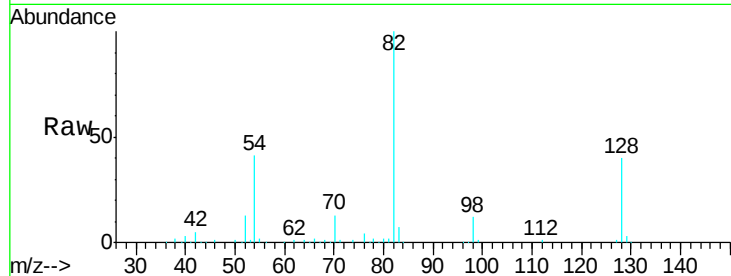
Tgt Ion: 82 Resp: 286384

Ion Ratio Lower Upper

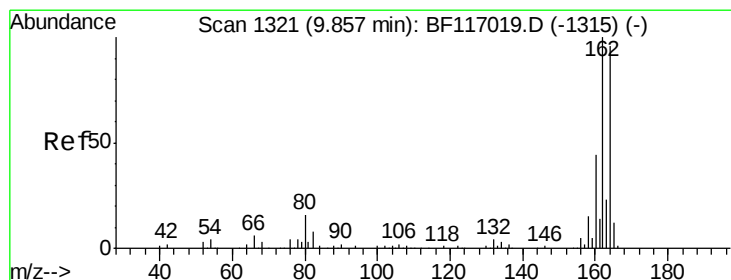
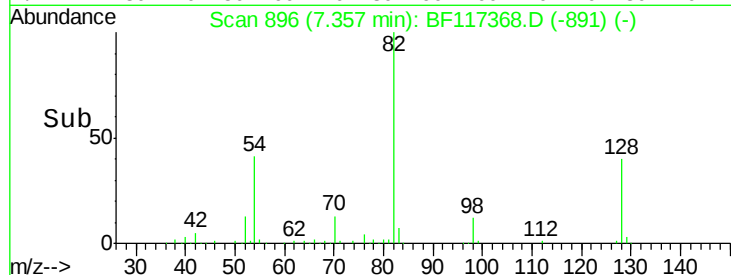
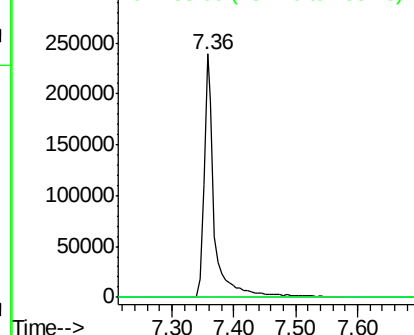
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

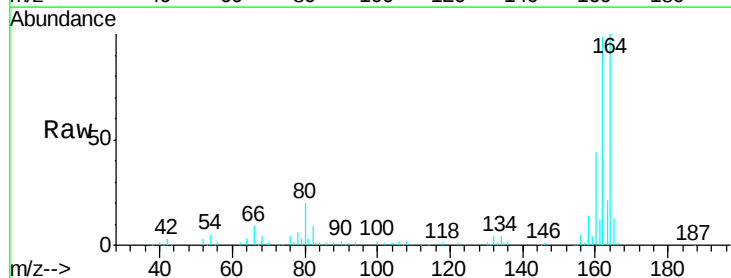
Tgt Ion: 164 Resp: 104085

Ion Ratio Lower Upper

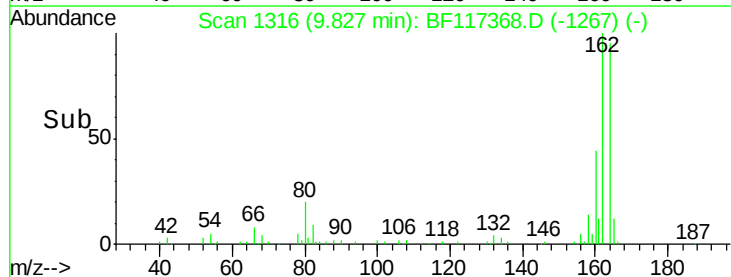
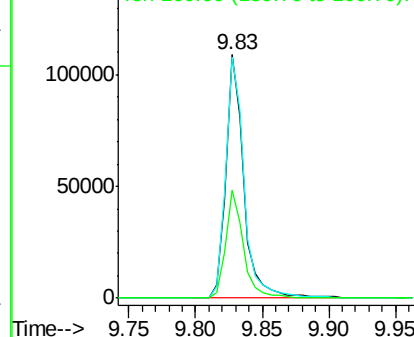
164 100

162 99.2 83.4 125.2

160 44.1 36.4 54.6



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

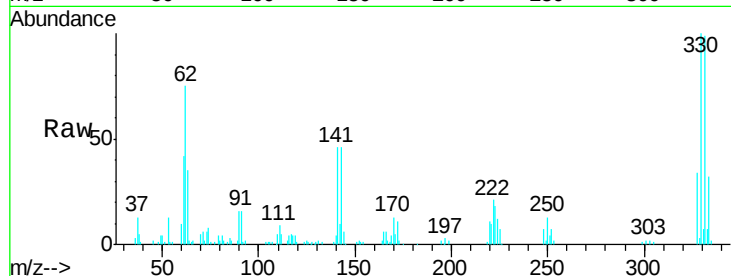




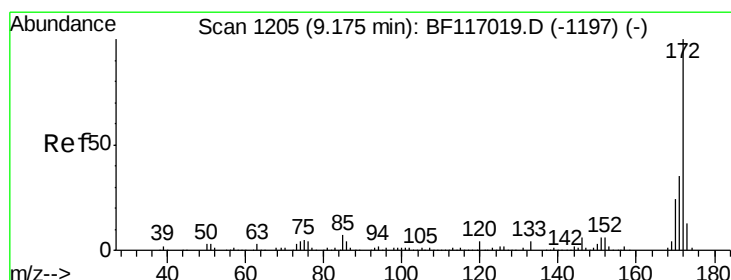
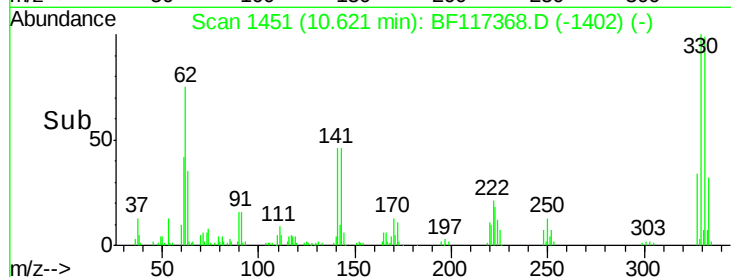
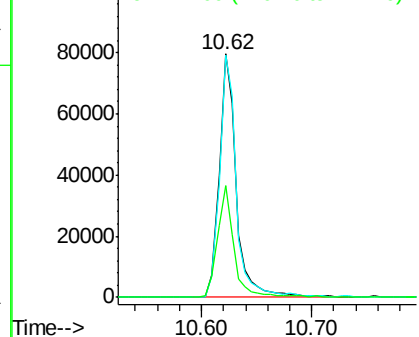
#42
 2,4,6-Tribromophenol
 Concen: 97.396 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF117368.D
 Acq: 10 Oct 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :
 KEARNY-TOPSOIL

Tgt Ion: 330 Resp: 84726
 Ion Ratio Lower Upper
 330 100
 332 97.8 78.0 117.0
 141 44.0 35.8 53.6

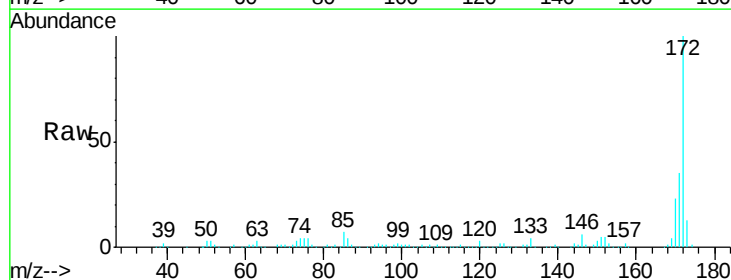


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

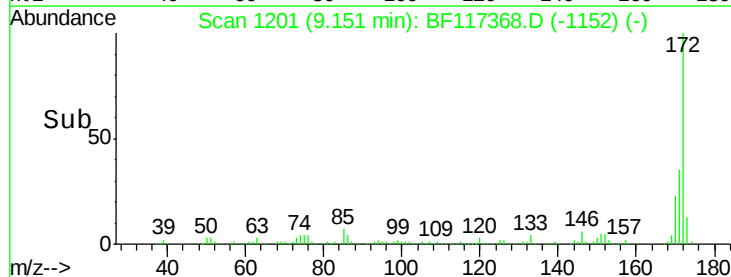
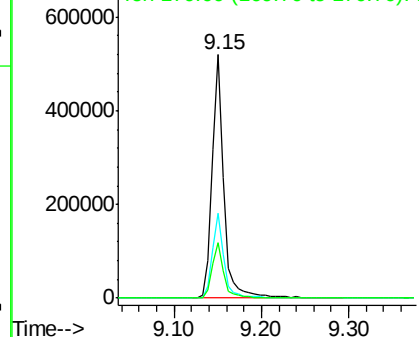


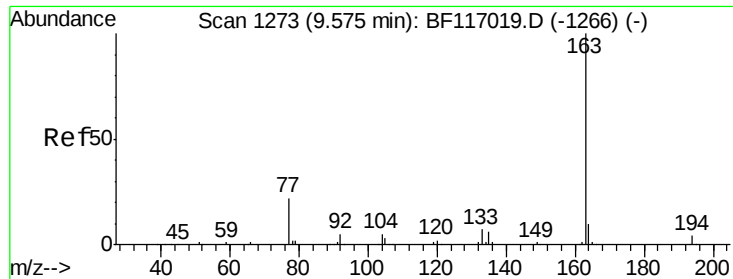
#45
 2-Fluorobiphenyl
 Concen: 73.011 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF117368.D
 Acq: 10 Oct 2019 18:55

Tgt Ion: 172 Resp: 486026
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.2 42.2
 170 23.0 18.9 28.3



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

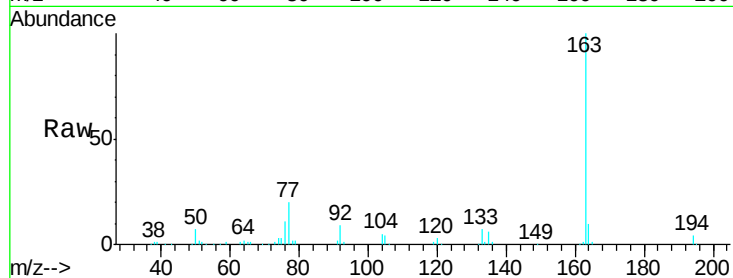




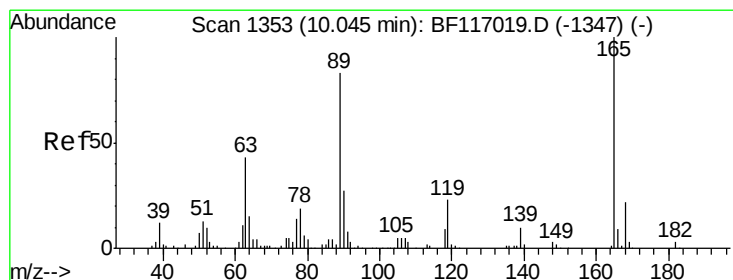
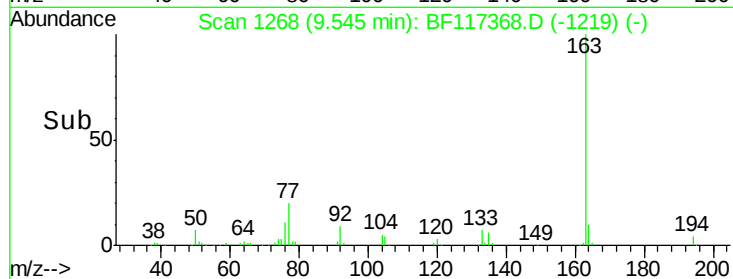
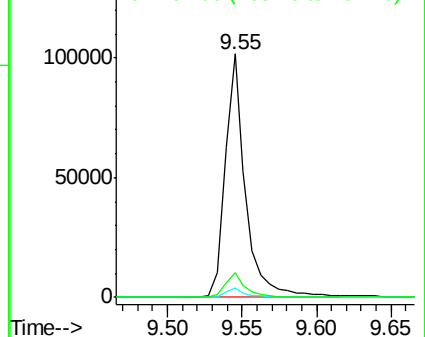
#50
Dimethylphthalate
Concen: 13.243 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tgt Ion:163 Resp: 97594
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 9.9 8.2 12.4

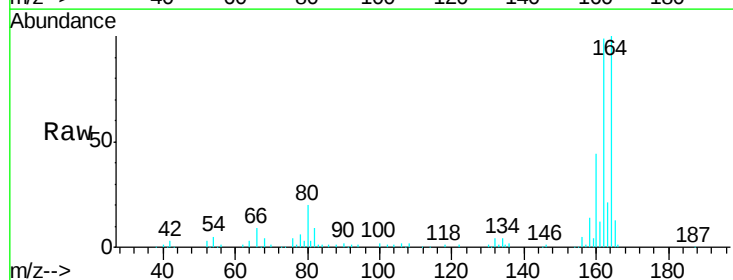


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

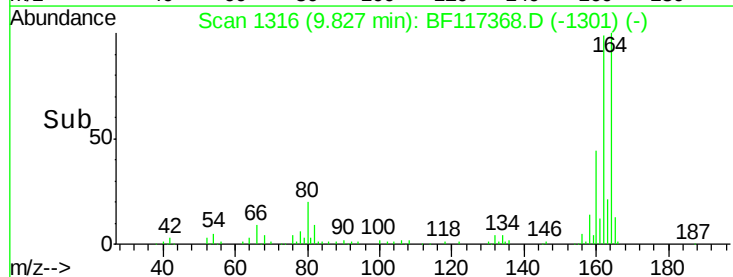
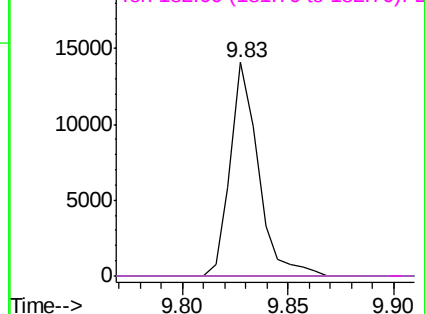


#57
2,4-Dinitrotoluene
Concen: 6.634 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.21 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Tgt Ion:165 Resp: 12925
Ion Ratio Lower Upper
165 100
63 0.0 35.0 52.4#
89 0.0 66.1 99.1#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

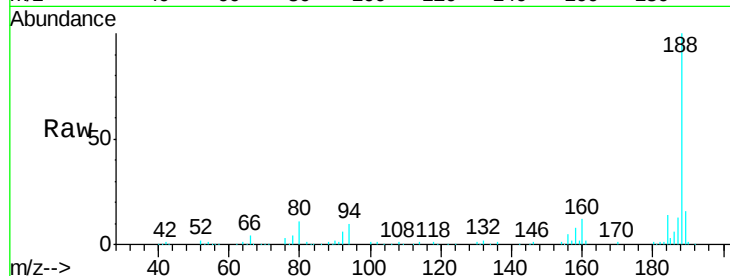
Tgt Ion:188 Resp: 154479

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

80 11.4 9.0 13.6

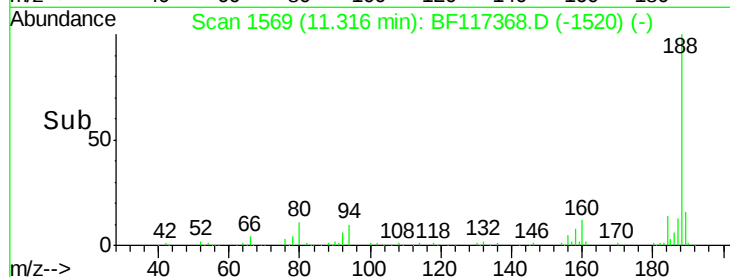


Abundance Ion 188.00 (187.70 to 188.70): E

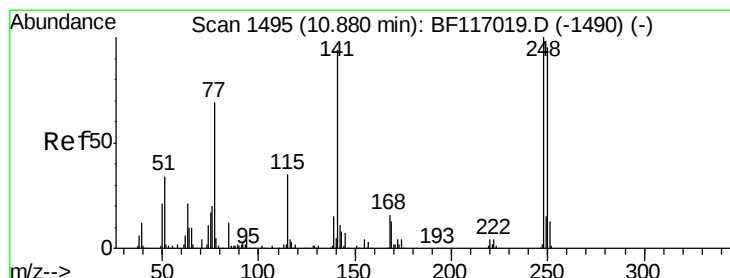
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.32



Time--> 11.20 11.30 11.40 11.50



#67

4-Bromophenyl-phenylether

Concen: 3.564 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

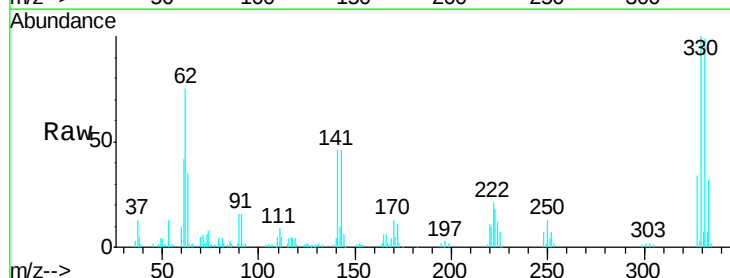
Tgt Ion:248 Resp: 5623

Ion Ratio Lower Upper

248 100

250 184.4 76.2 114.4#

141 641.9 75.0 112.4#

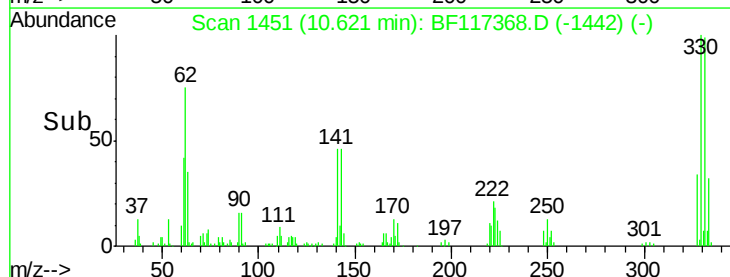


Abundance Ion 248.00 (247.70 to 248.70): E

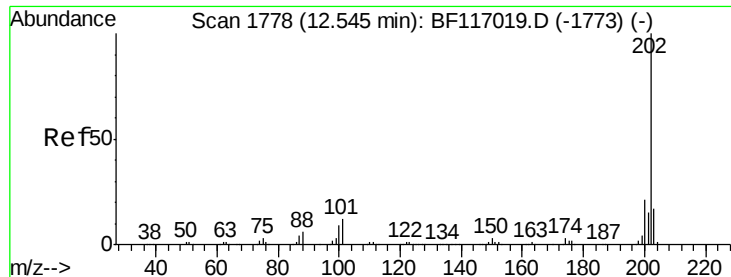
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.62



Time--> 10.60 10.65



#75

Fluoranthene

Concen: 3.453 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

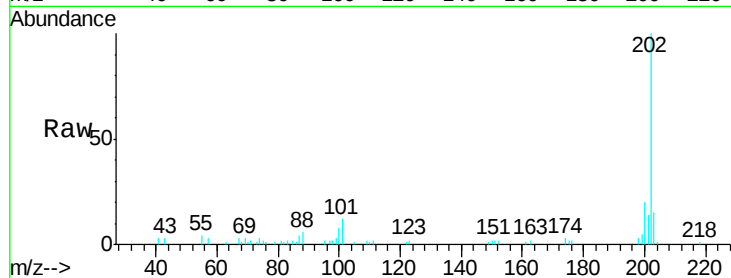
Tgt Ion:202 Resp: 31132

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.3

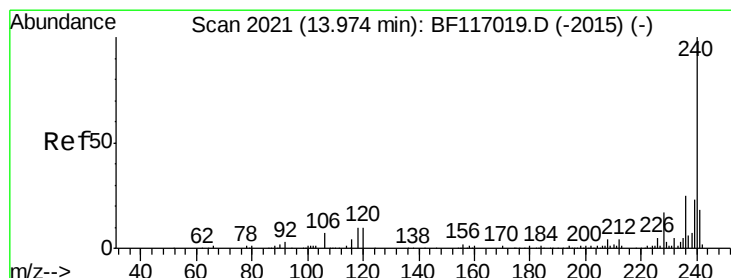
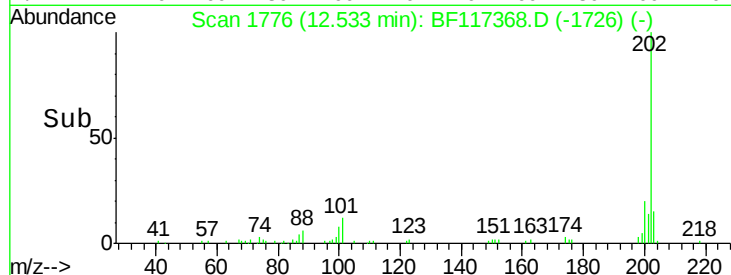
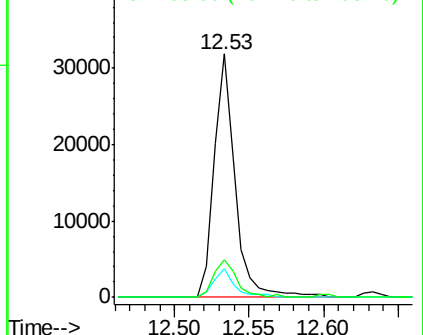
203 15.4 0.0 37.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

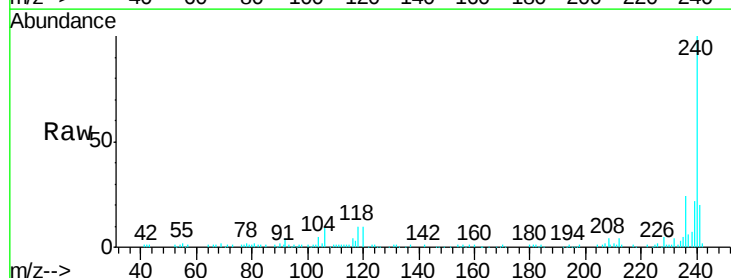
Tgt Ion:240 Resp: 86643

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

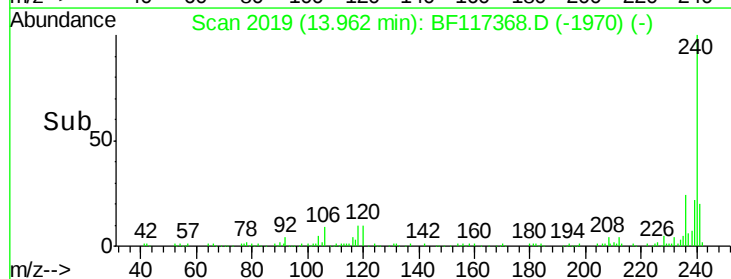
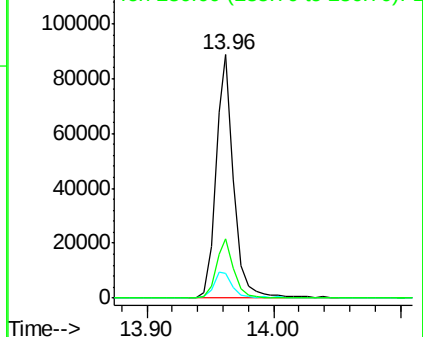
236 24.3 20.3 30.5

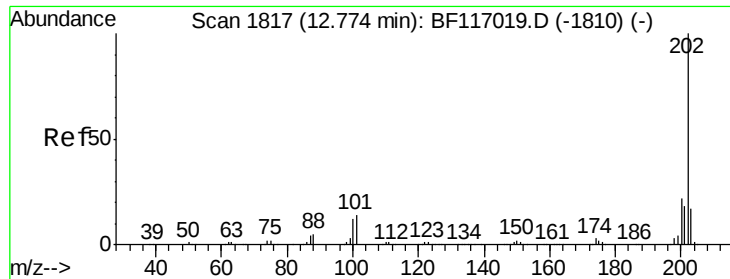


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

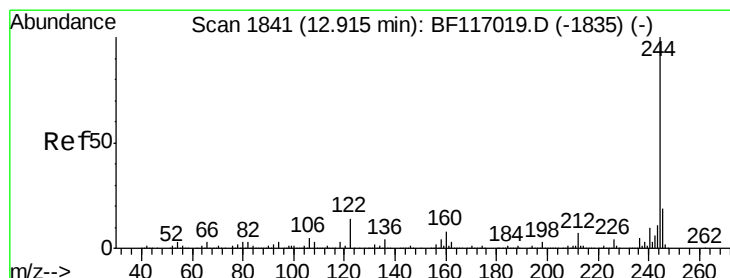
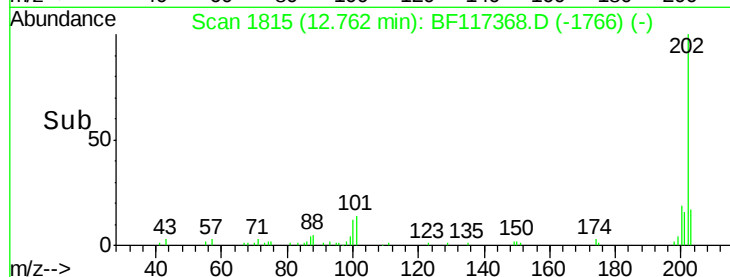
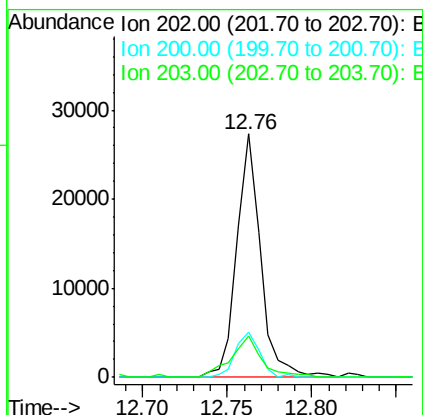
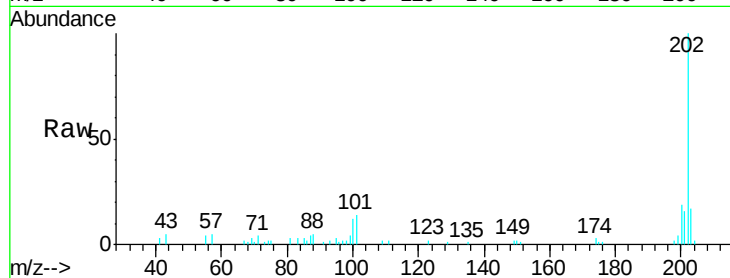




#78
 Pyrene
 Concen: 3.707 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF117368.D
 Acq: 10 Oct 2019 18:55

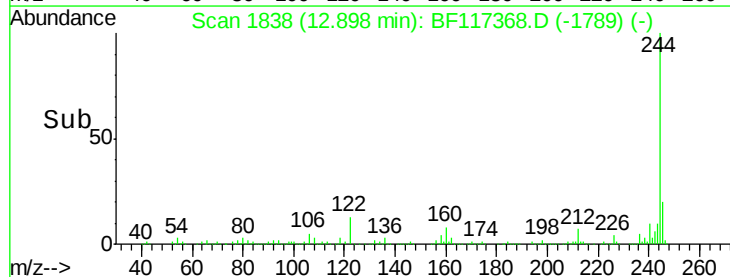
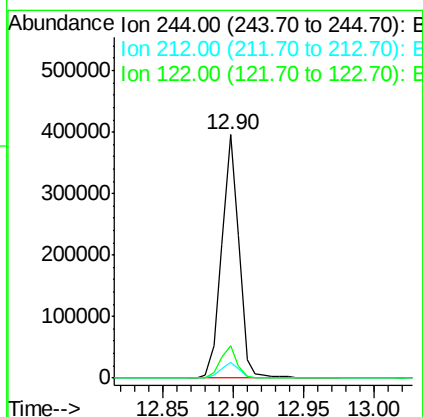
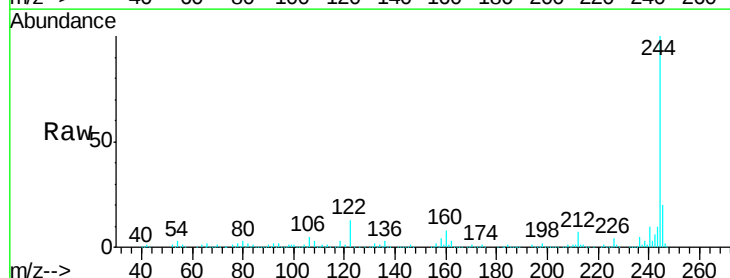
Instrument :
 BNA_F
 ClientSampleId :
 KEARNY-TOPSOIL

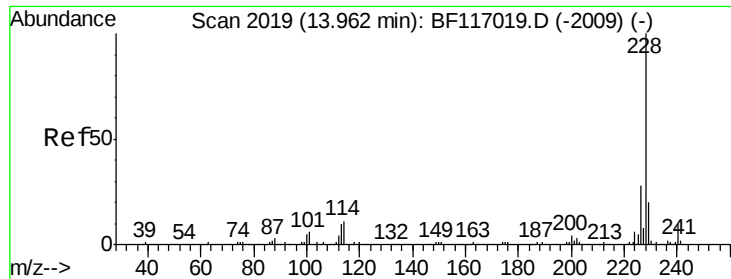
Tgt Ion: 202 Resp: 26950
 Ion Ratio Lower Upper
 202 100
 200 18.5 17.2 25.8
 203 16.8 14.0 21.0



#79
 Terphenyl-d14
 Concen: 72.993 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF117368.D
 Acq: 10 Oct 2019 18:55

Tgt Ion: 244 Resp: 338339
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 13.1 11.3 16.9





#81

Benzo(a)anthracene

Concen: 2.330 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

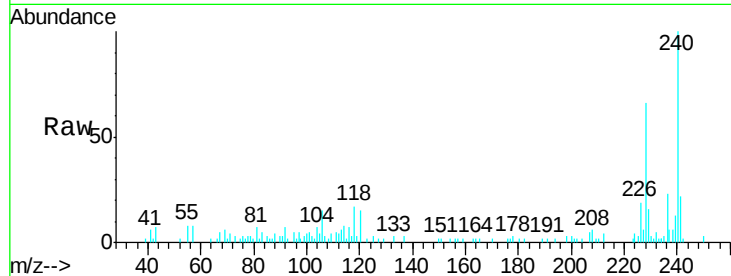
Tgt Ion:228 Resp: 13489

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

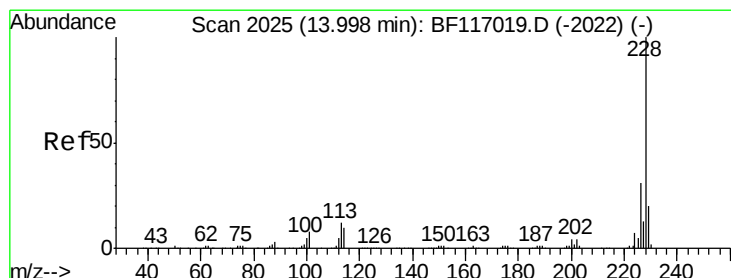
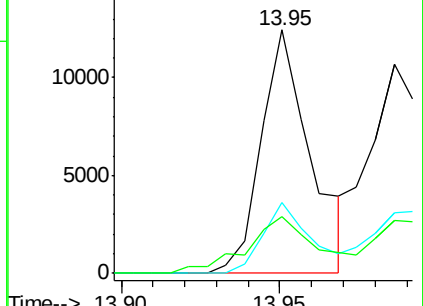
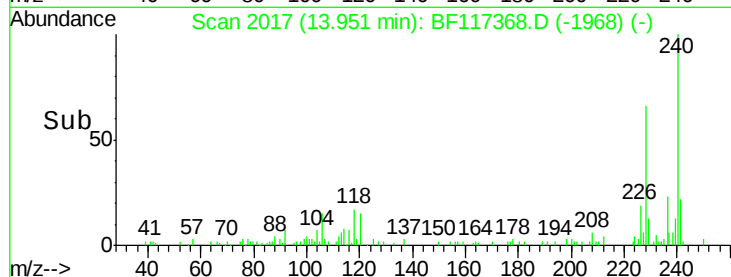
229 23.5 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.389 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.05 min

Lab File: BF117368.D

Acq: 10 Oct 2019 18:55

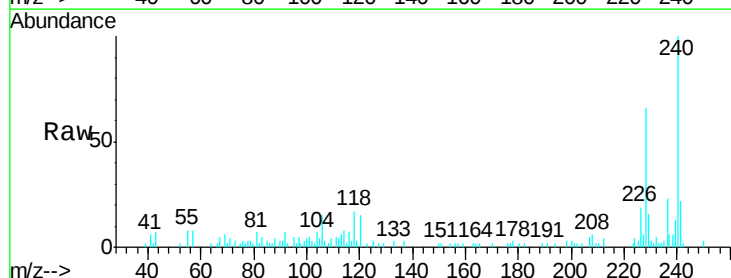
Tgt Ion:228 Resp: 13489

Ion Ratio Lower Upper

228 100

226 28.9 24.8 37.2

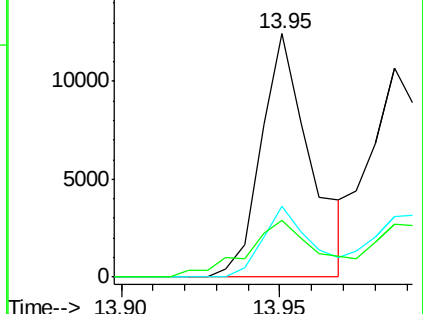
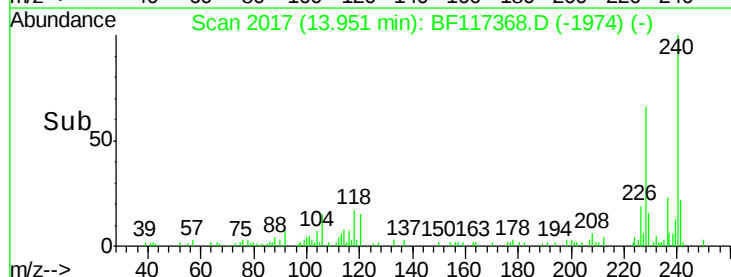
229 23.5 15.8 23.8

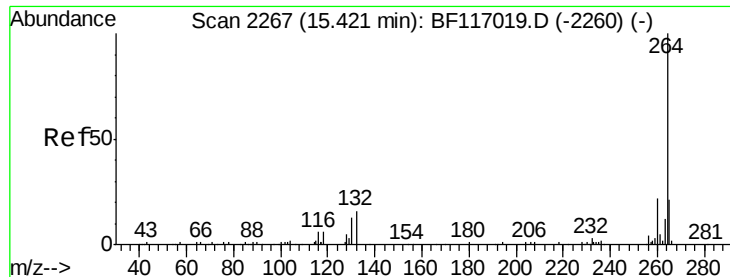


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

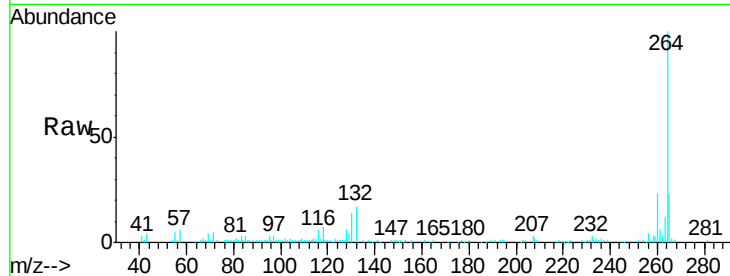




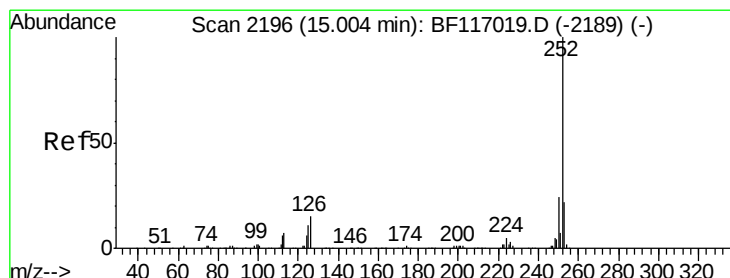
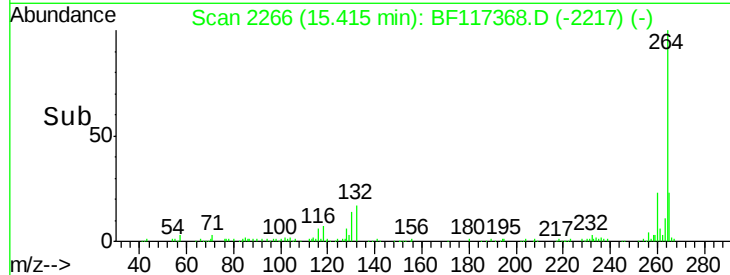
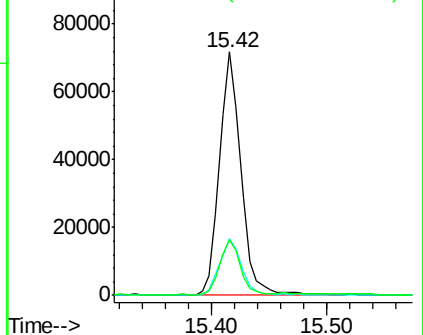
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tgt Ion: 264 Resp: 93353
Ion Ratio Lower Upper
264 100
260 23.4 17.6 26.4
265 22.9 16.6 24.8

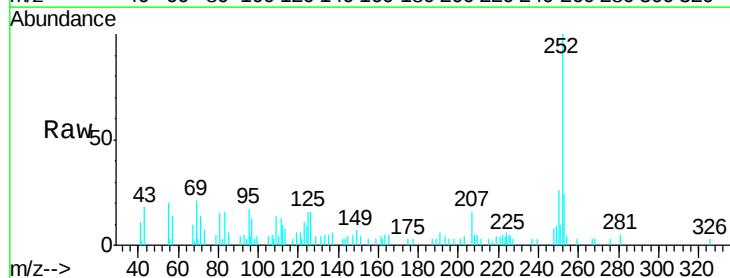


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

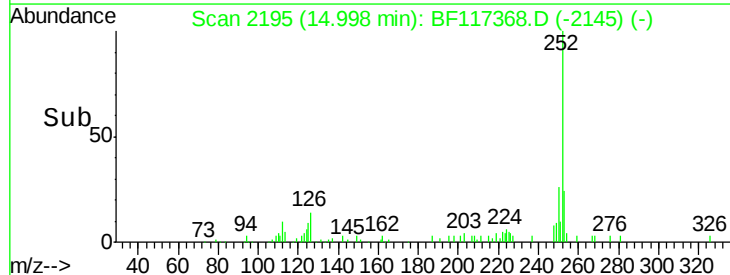
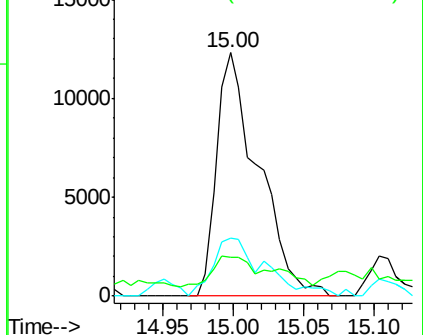


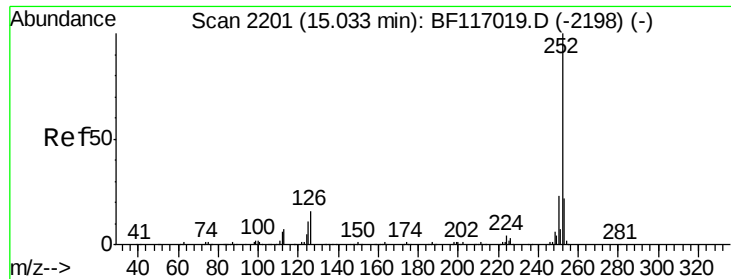
#88
Benzo(b)fluoranthene
Concen: 4.464 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Tgt Ion: 252 Resp: 25245
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 15.9 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

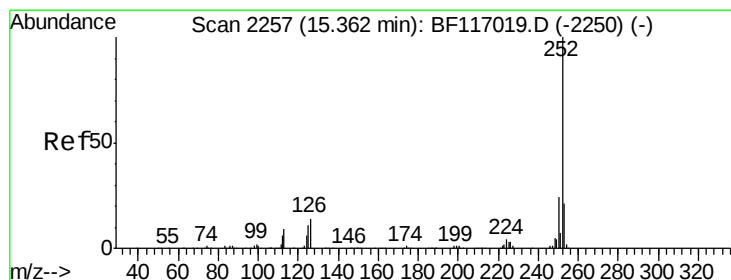
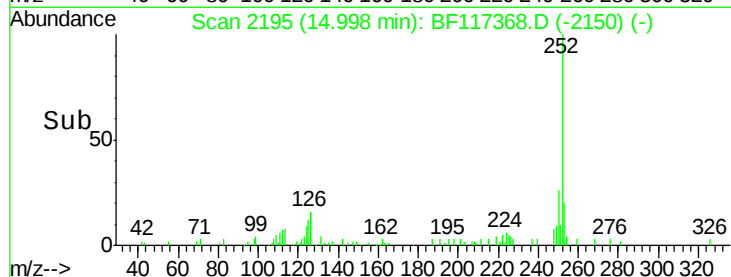
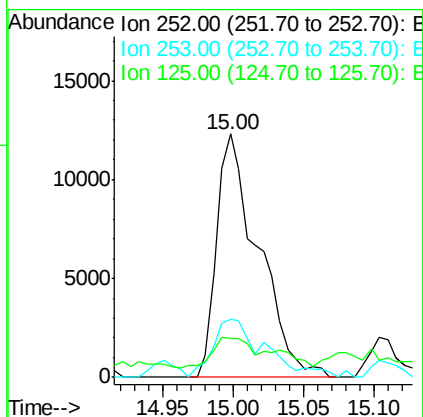
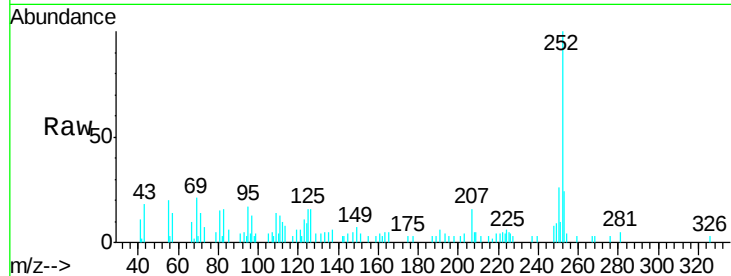




#89
Benzo(k)fluoranthene
Concen: 4.713 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tgt Ion:252 Resp: 25245
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 15.9 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 2.584 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Tgt Ion:252 Resp: 12823
Ion Ratio Lower Upper
252 100
253 24.9 16.6 25.0
125 16.5 8.9 13.3#

