

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 06:49:37 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

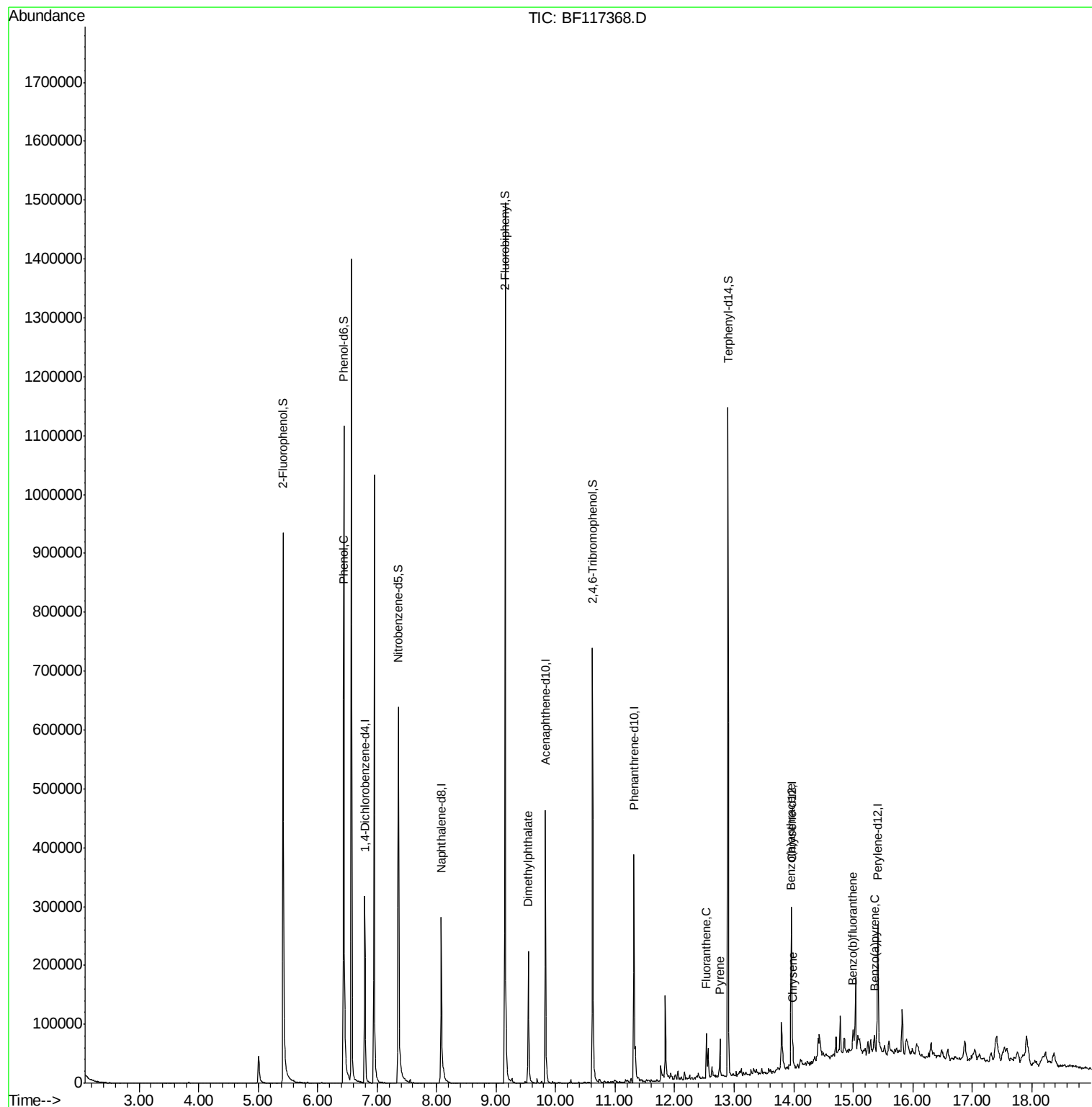
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	51143	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	202346	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	104085	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	154479	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	86643	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						
10) Phenol	6.45	94	14918	3.196	ng	Qvalue 90
50) Dimethylphthalate	9.55	163	97594	13.243	ng	99
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	13.99	228	14609m	2.588	ng	
88) Benzo(b)fluoranthene	15.00	252	16519m	2.921	ng	
90) Benzo(a)pyrene	15.36	252	12823	2.584	ng	# 89

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

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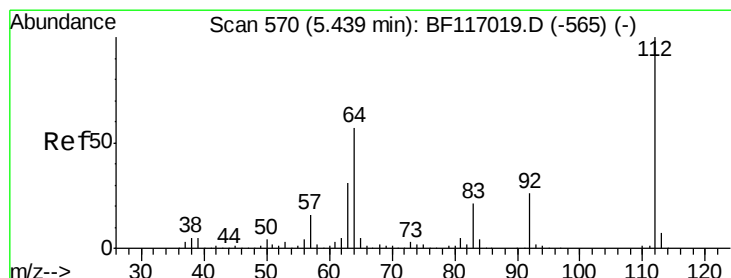
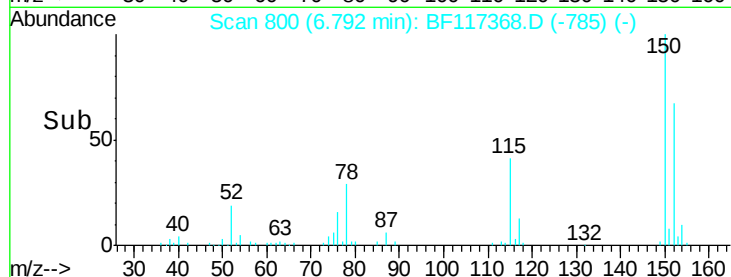
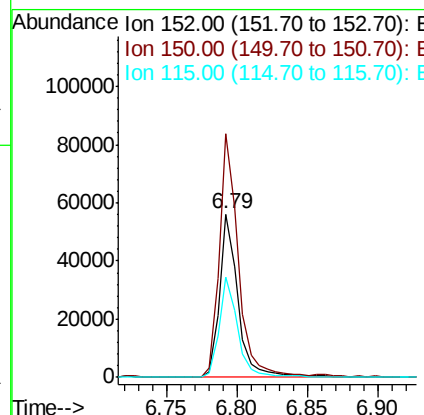
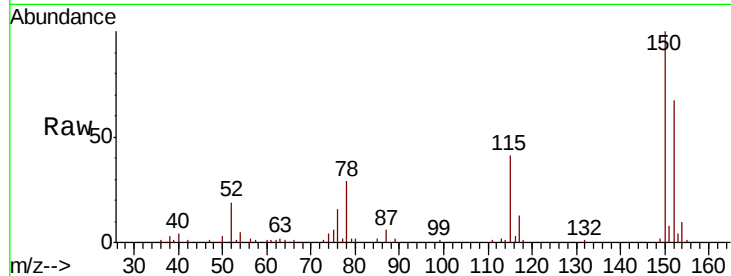




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF117368.D
 Acq: 10 Oct 2019 18:55

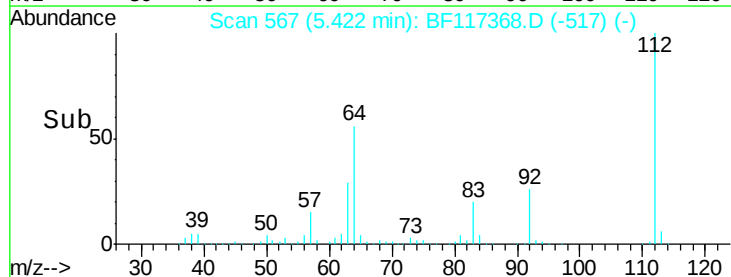
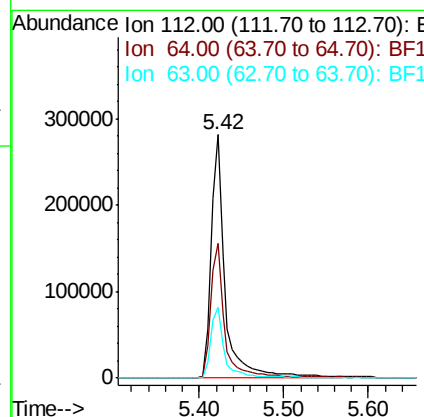
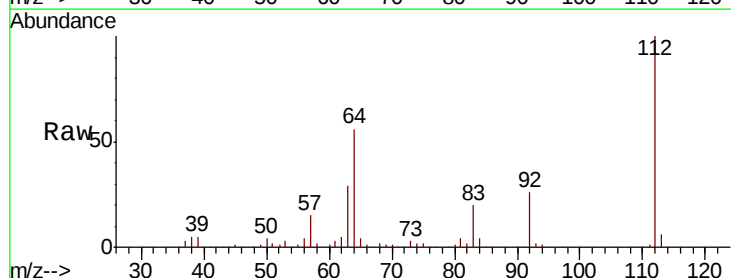
Instrument :
 BNA_F
 ClientSampleId :
 KEARNY-TOPSOIL

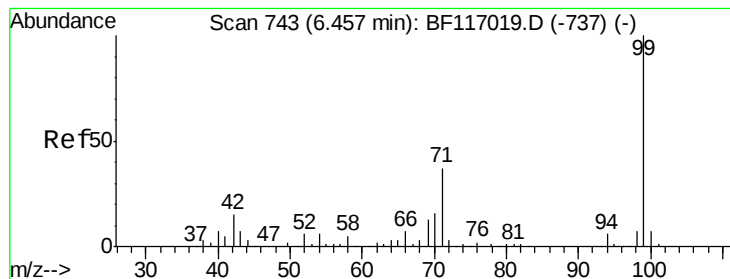
Tot Ion:152 Resp: 51143
 Ion Ratio Lower Upper
 152 100
 150 149.0 127.5 191.3
 115 61.5 55.0 82.4



#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





#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

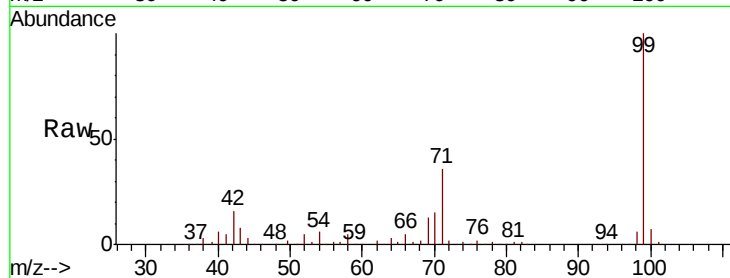
Tot Ion: 99 Resp: 451762

Ion Ratio Lower Upper

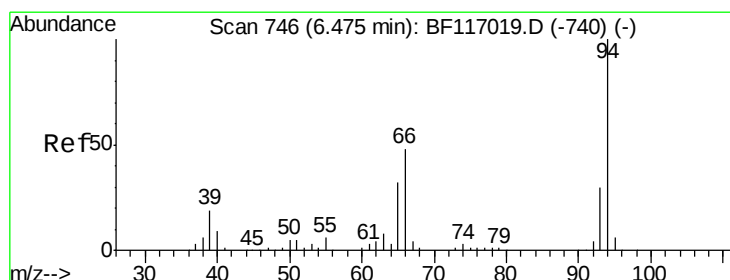
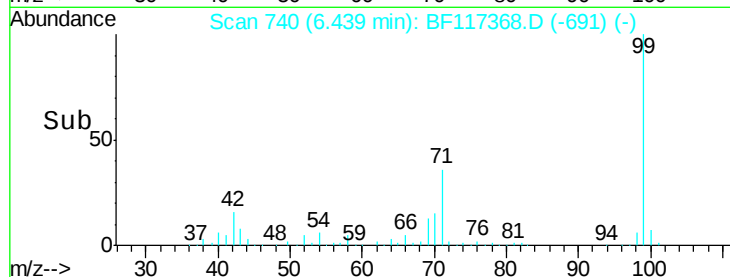
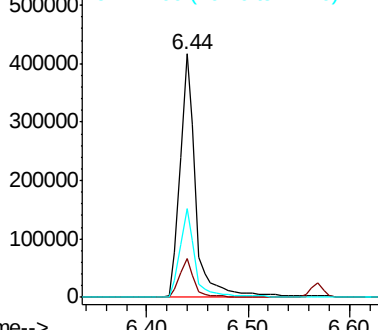
99 100

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



#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

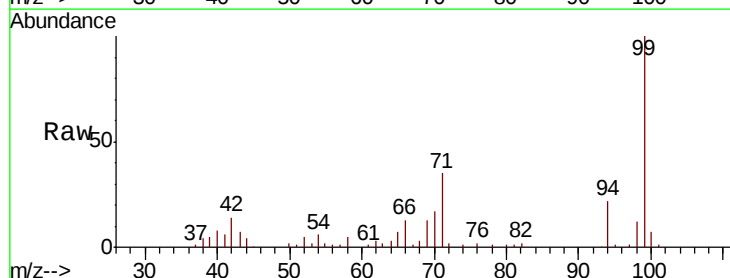
Tgt Ion: 94 Resp: 14918

Ion Ratio Lower Upper

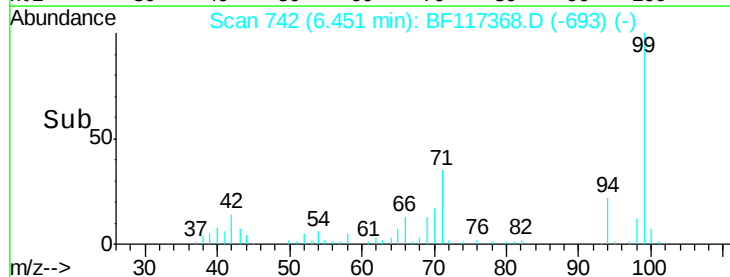
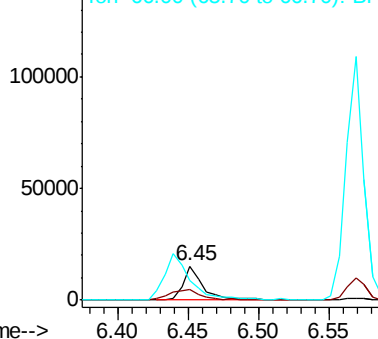
94 100

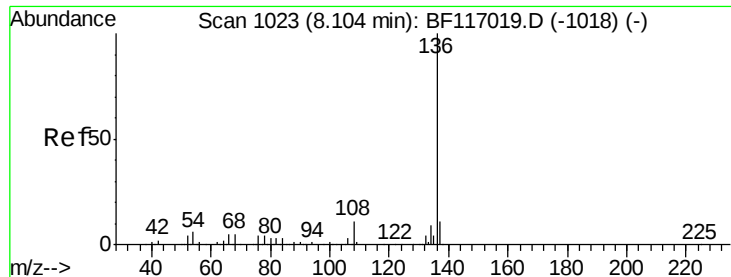
65 31.0 12.5 52.5

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

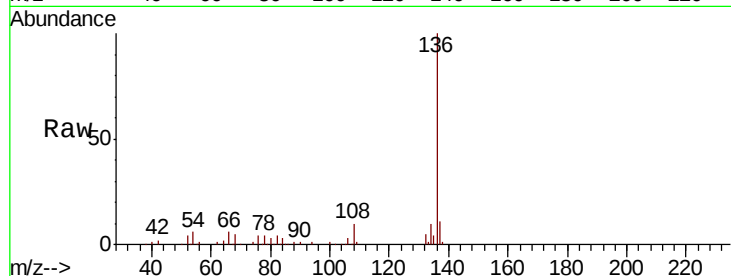




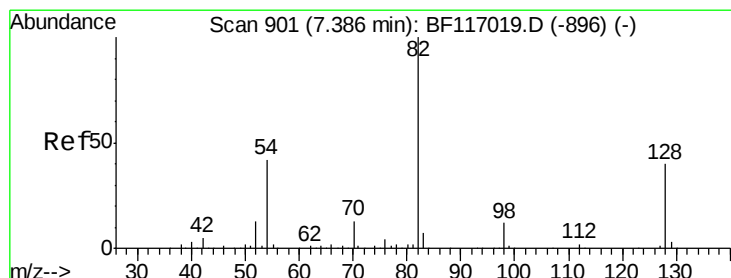
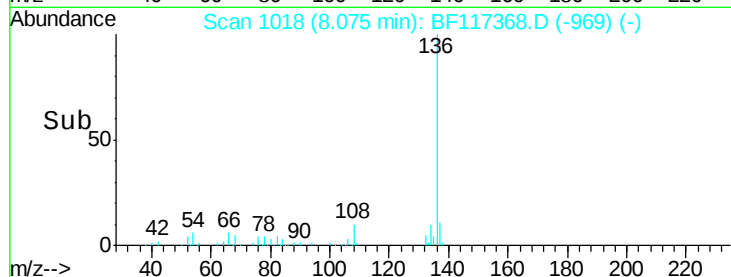
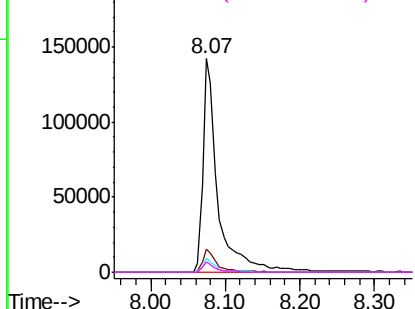
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tot 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

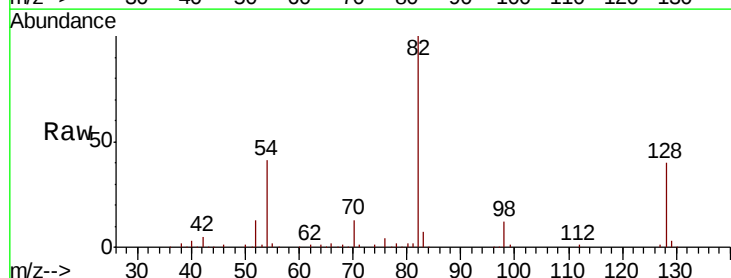


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

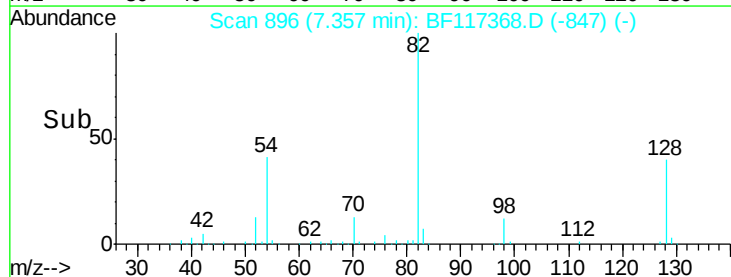
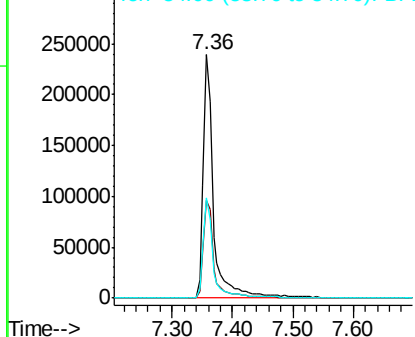


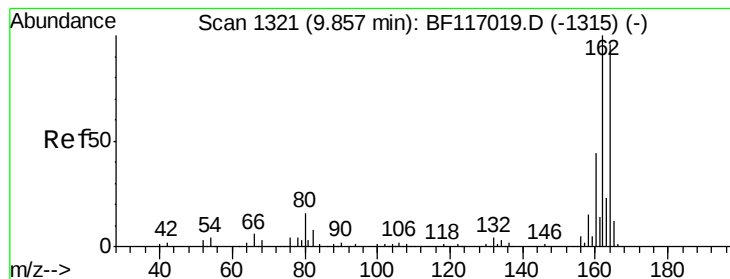
#23
Nitrobenzene-d5
Concen: 74.360 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

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





#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

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

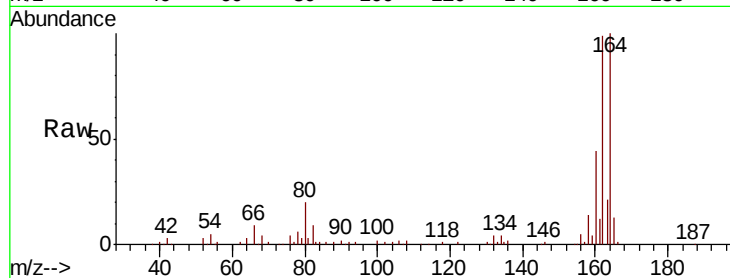
Tot Ion:164 Resp: 104085

Ion Ratio Lower Upper

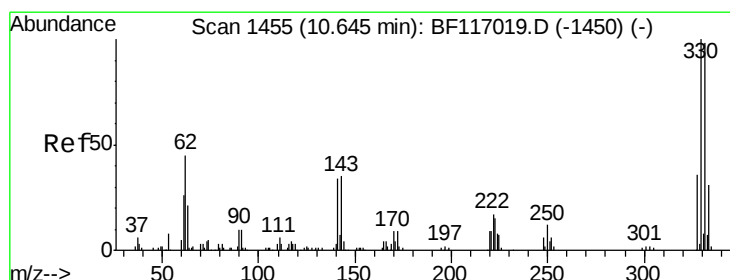
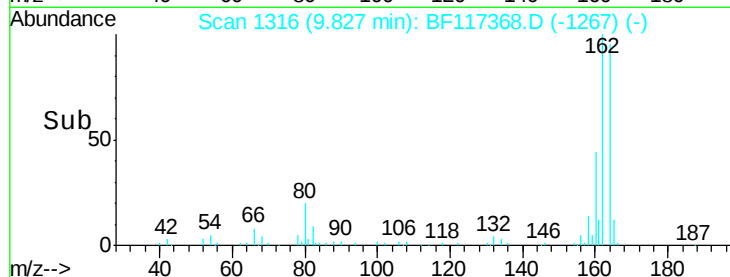
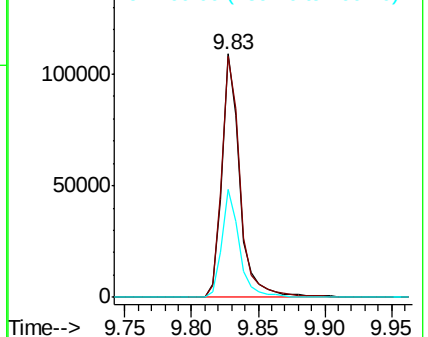
164 100

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

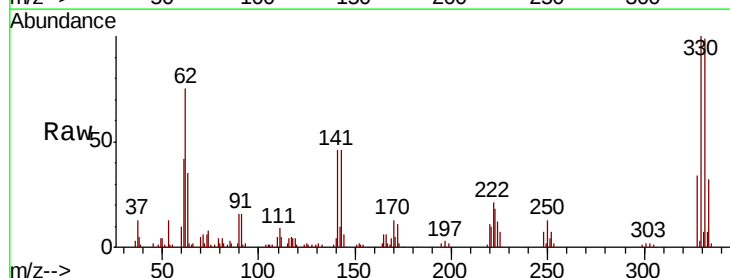
Tgt Ion:330 Resp: 84726

Ion Ratio Lower Upper

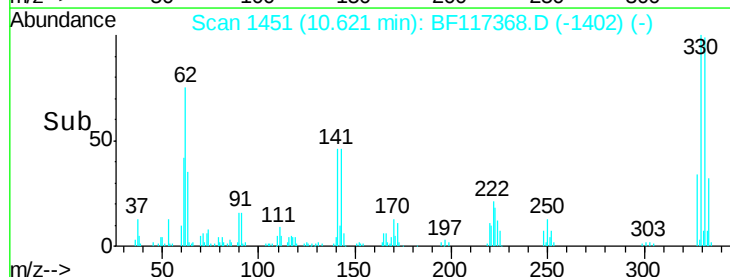
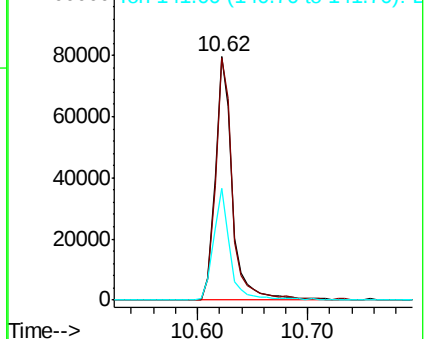
330 100

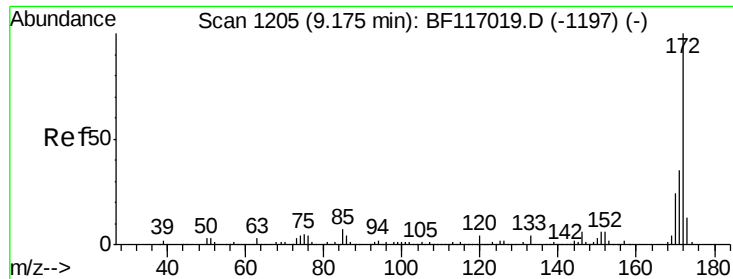
332 97.8 78.0 117.0

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

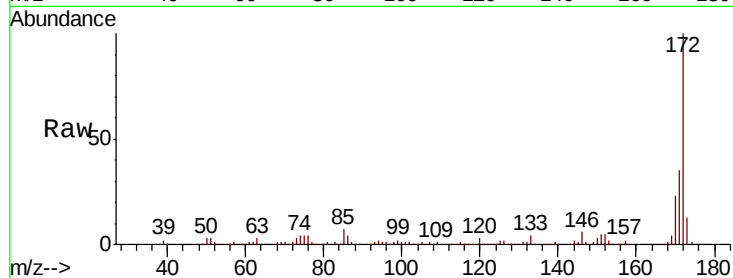




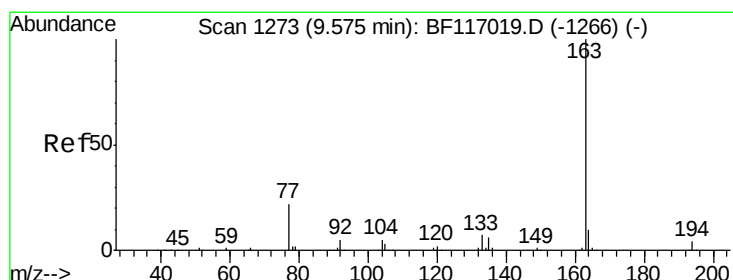
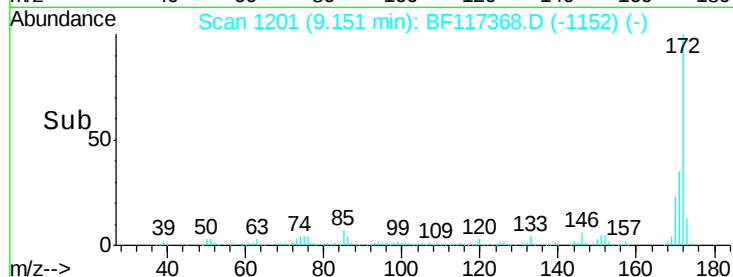
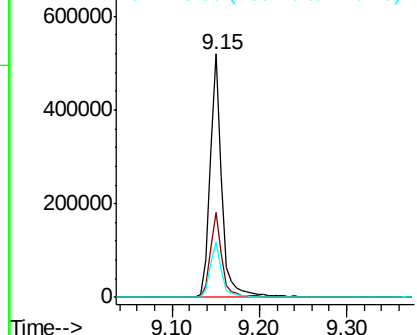
#45
2-Fluorobiphenyl
Concen: 73.011 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

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

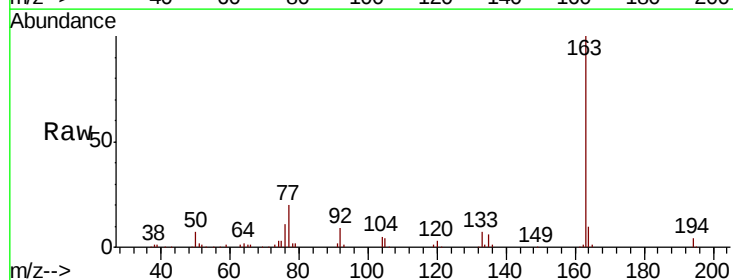


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

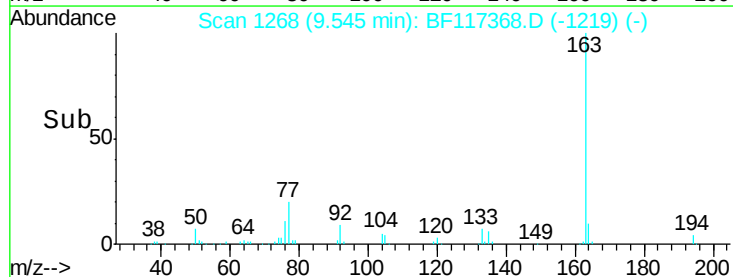
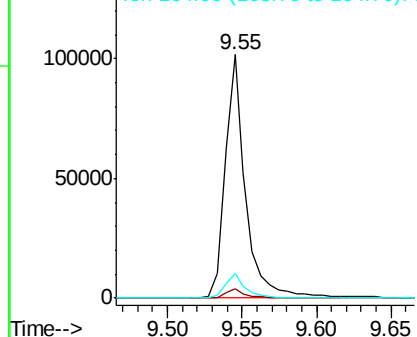


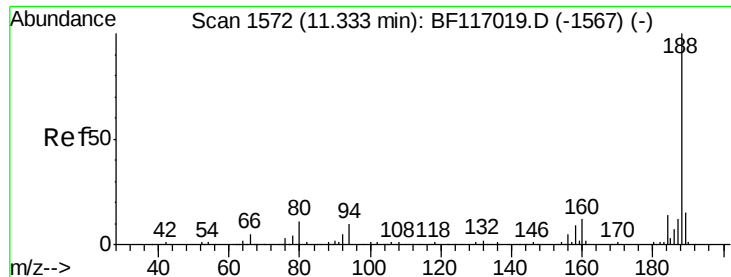
#50
Dimethylphthalate
Concen: 13.243 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

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

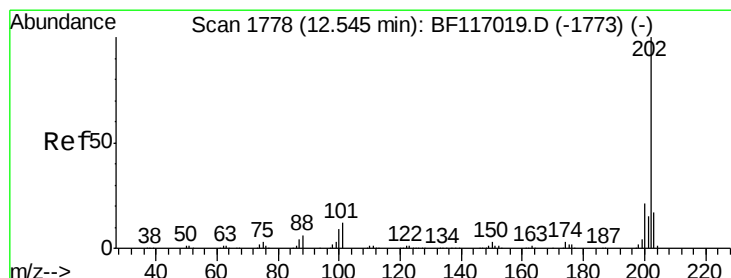
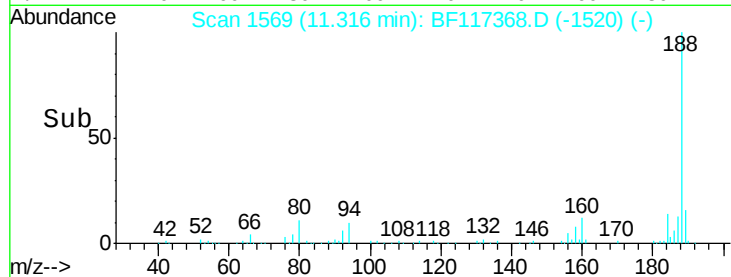
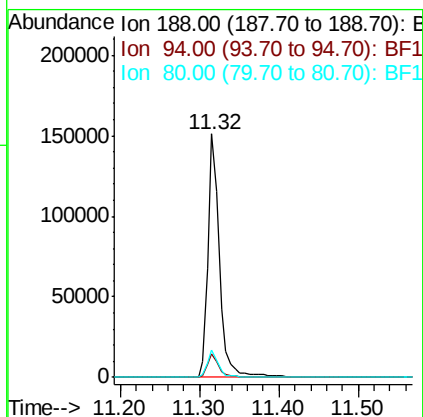
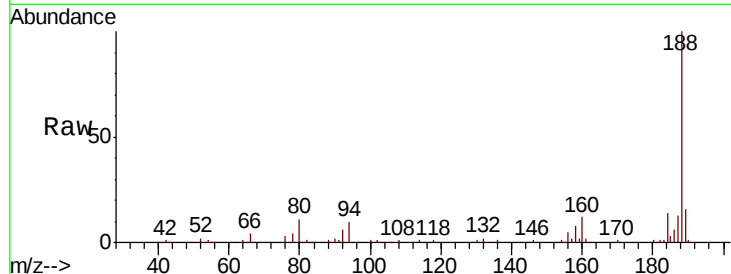




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

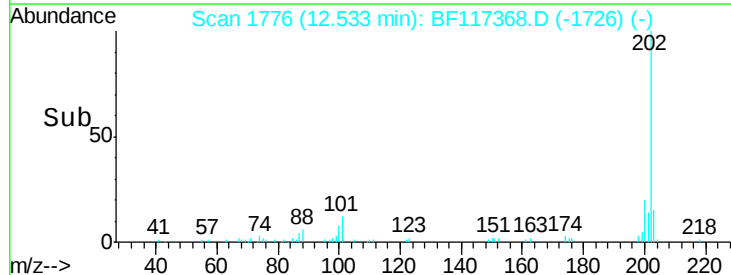
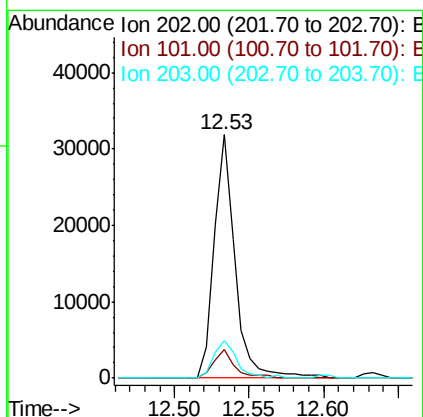
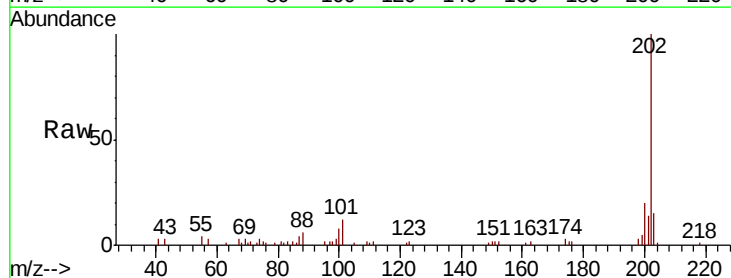
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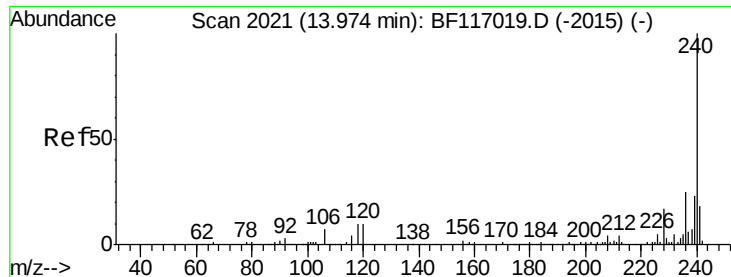
Tot Ion:188 Resp: 154479
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 11.4 9.0 13.6



#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

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

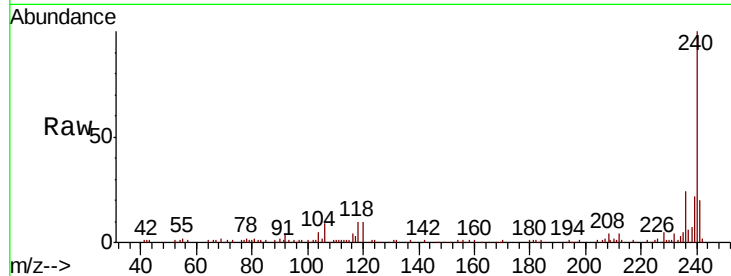




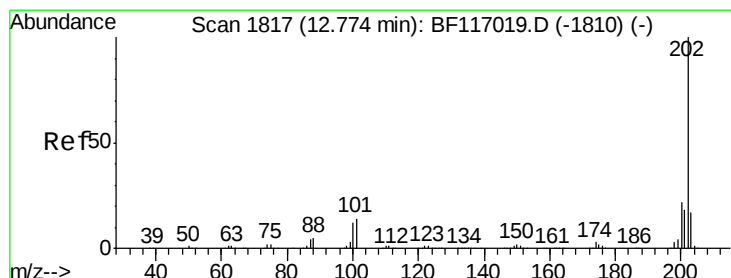
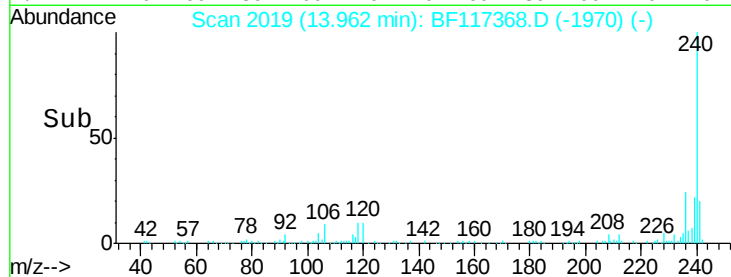
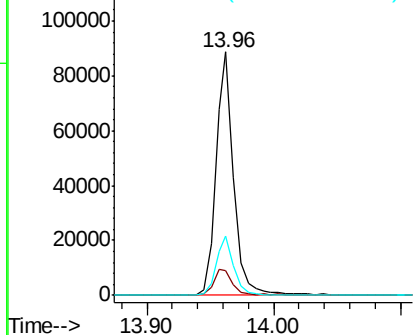
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tot Ion:240 Resp: 86643
Ion Ratio Lower Upper
240 100
120 10.3 8.3 12.5
236 24.3 20.3 30.5

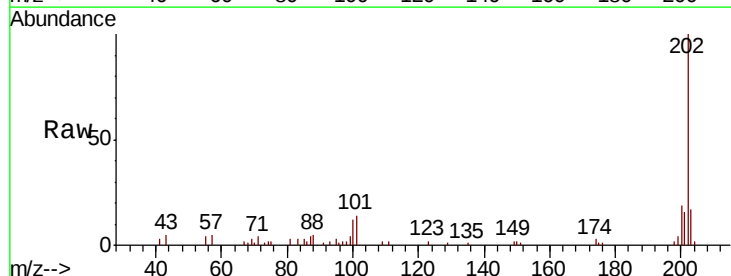


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

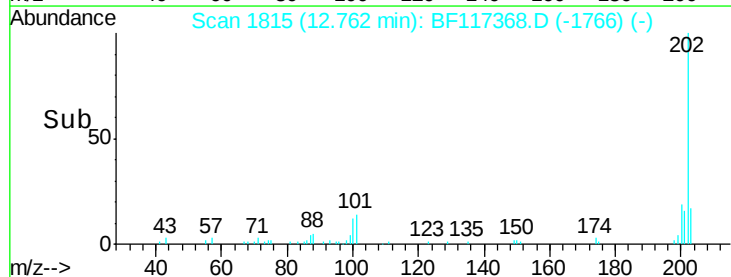
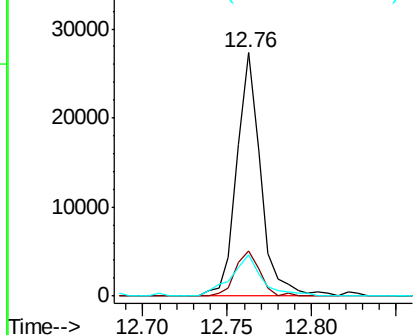


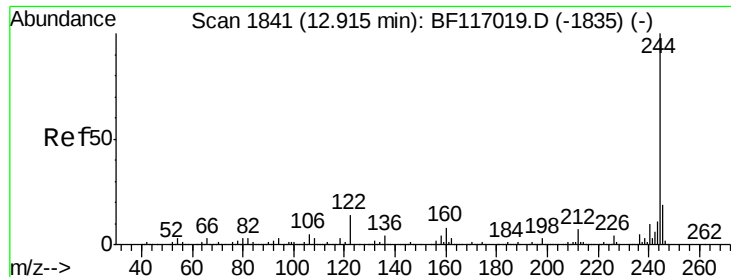
#78
Pyrene
Concen: 3.707 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

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



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#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

Instrument :

BNA_F

ClientSampleId :

KEARNY-TOPSOIL

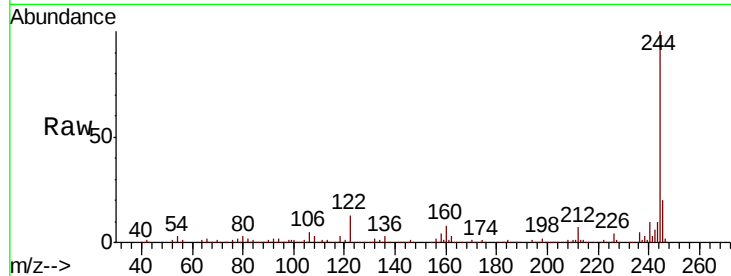
Tot Ion:244 Resp: 338339

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

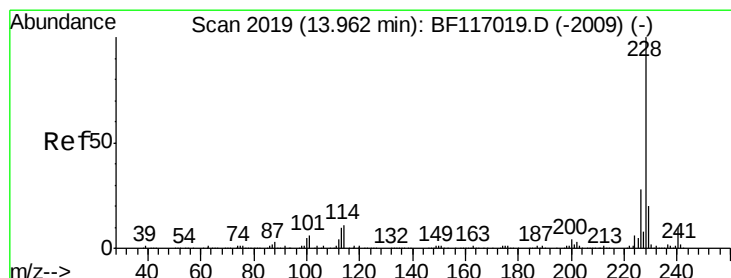
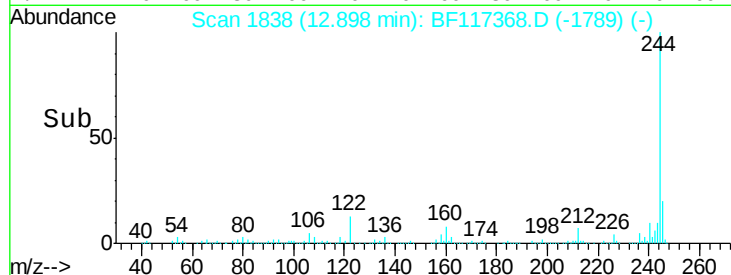
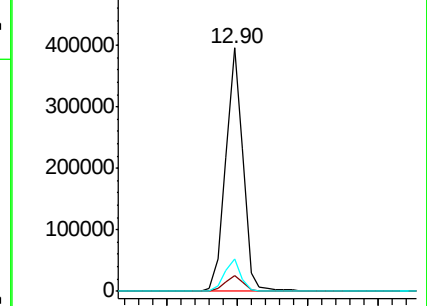
122 13.1 11.3 16.9



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



#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

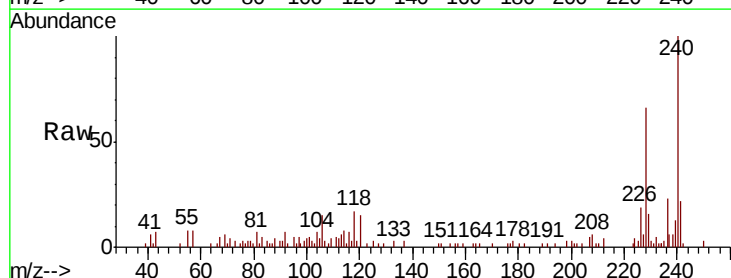
Tgt Ion:228 Resp: 13489

Ion Ratio Lower Upper

228 100

226 28.9 22.3 33.5

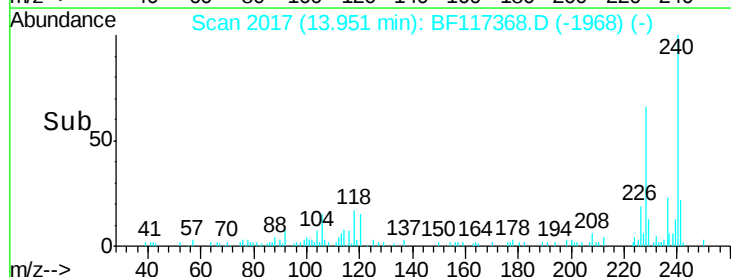
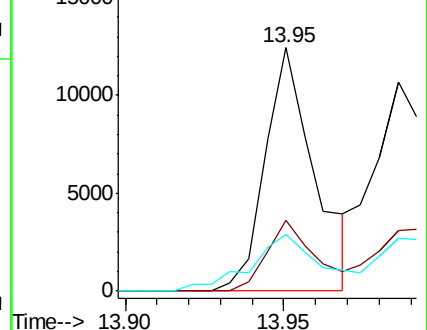
229 23.5 15.9 23.9

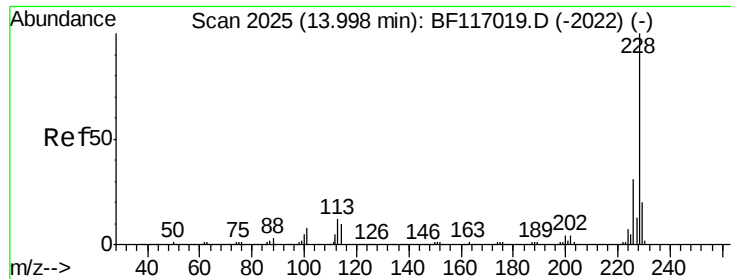


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

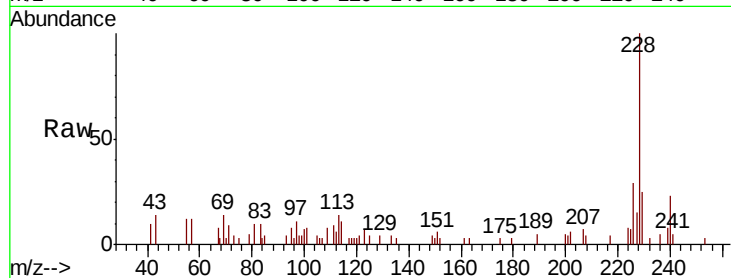




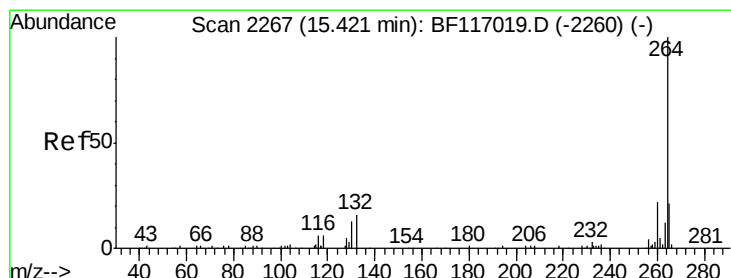
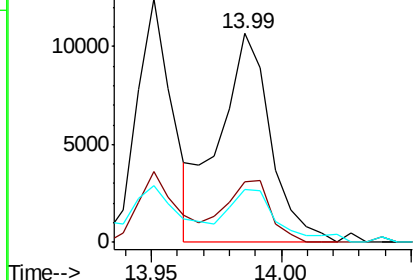
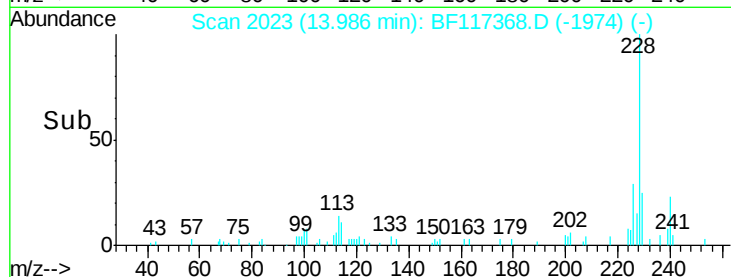
#83
Chrysene
Concen: 2.588 ng/mL
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tot Ion: 228 Resp: 14609
Ion Ratio Lower Upper
228 100
226 29.1 24.8 37.2
229 25.4 15.8 23.8#

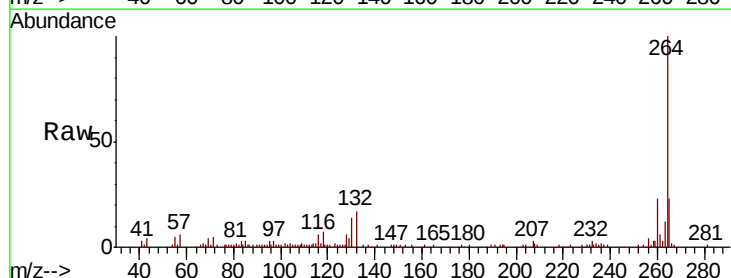


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

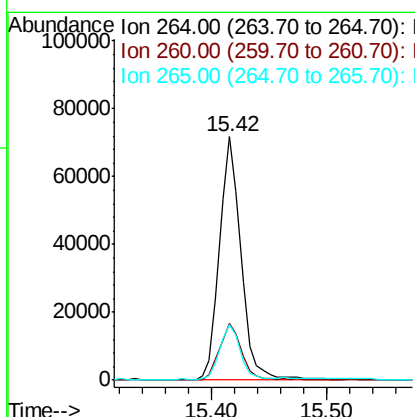
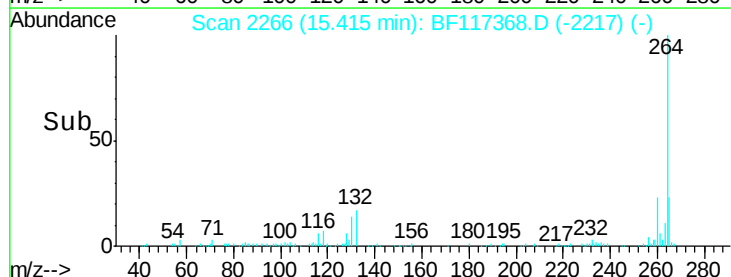


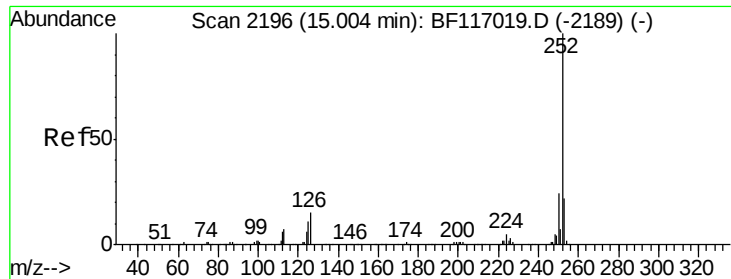
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

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

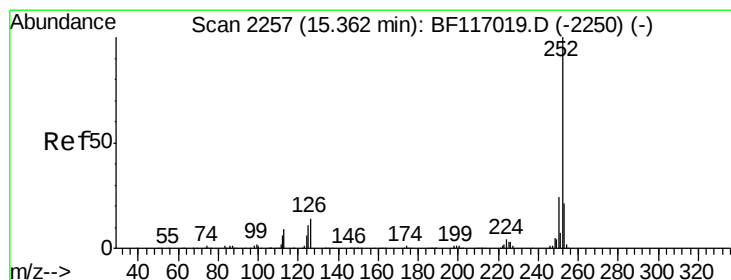
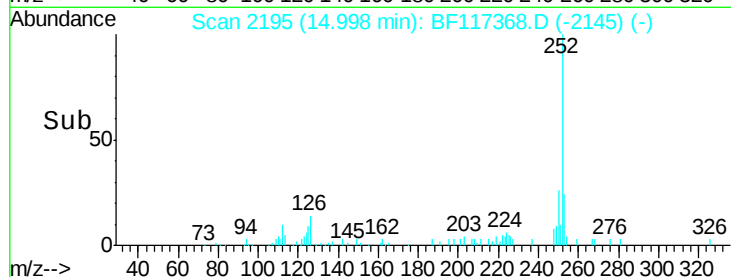
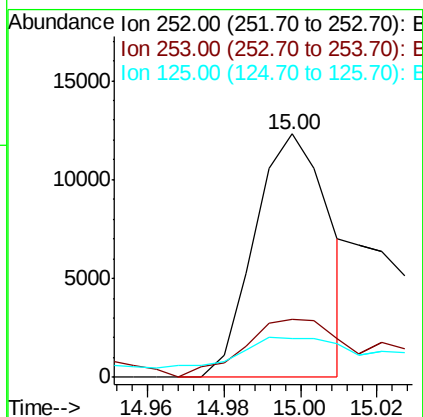
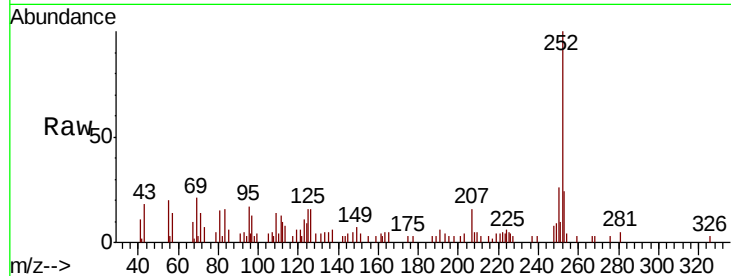




#88
Benzo(b)fluoranthene
Concen: 2.921 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117368.D
Acq: 10 Oct 2019 18:55

Instrument :
BNA_F
ClientSampleId :
KEARNY-TOPSOIL

Tot Ion:252 Resp: 16519
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 15.9 8.6 12.8#



#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#

