

Data File : BF115299.D
Acq On : 28 Jun 2019 23:15
Operator : HP/JU
Sample : K3563-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1

Quant Time: Jun 29 02:39:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

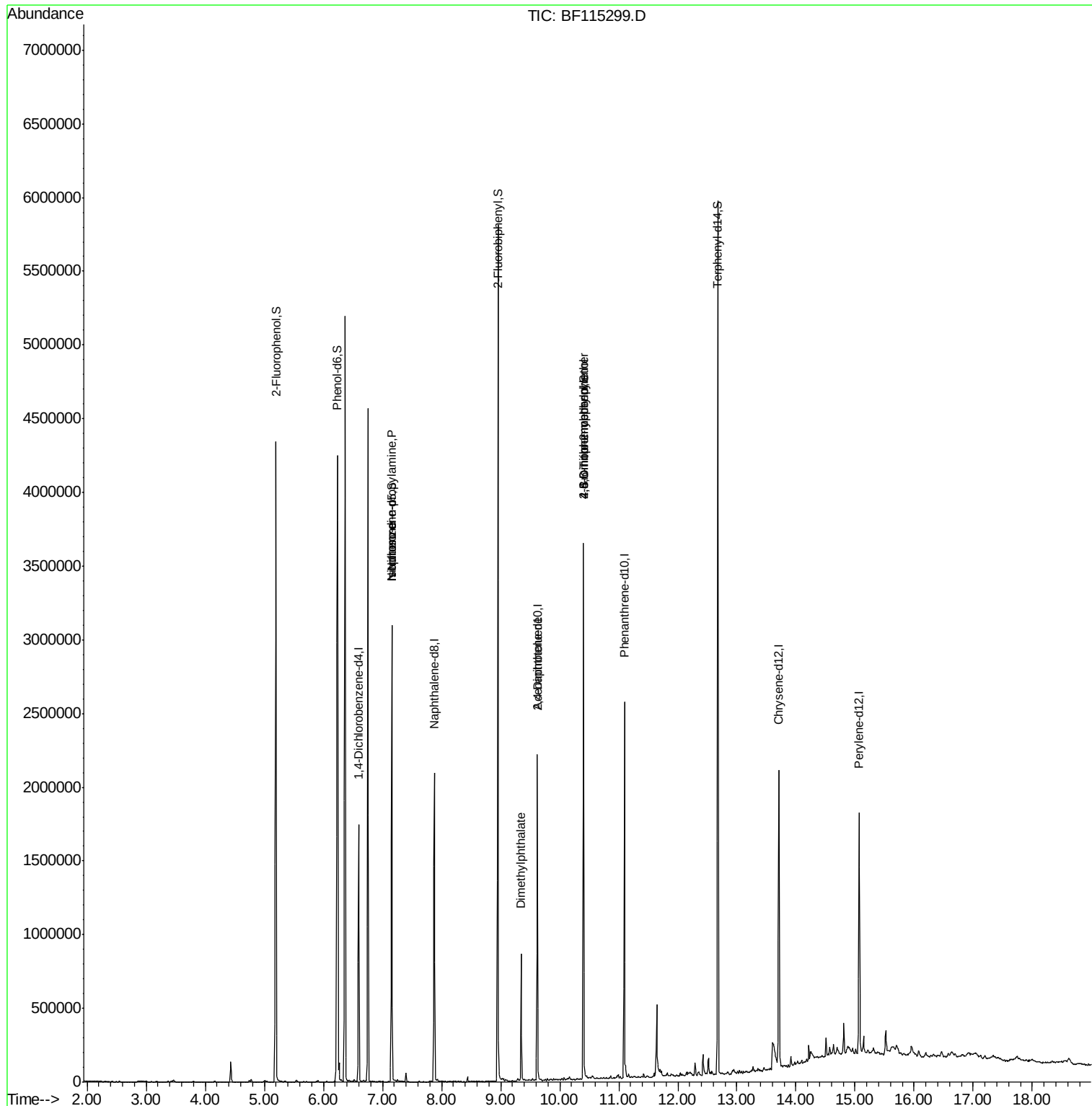
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	242492	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	918383	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	450547	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	893384	20.00	ng	0.00
76) Chrysene-d12	13.71	240	686968	20.00	ng	0.00
87) Perylene-d12	15.07	264	695511	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1444107	91.90	ng	0.00
7) Phenol-d6	6.24	99	1815034	95.16	ng	0.00
23) Nitrobenzene-d5	7.16	82	1078715	72.25	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	503848	106.05	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1863323	70.25	ng	0.00
79) Terphenyl-d14	12.68	244	2106295	65.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.16	70	142233	11.648	ng	# 78
25) Isophorone	7.16	82	1069154	34.959	ng	# 63
50) Dimethylphthalate	9.35	163	331313	9.995	ng	# 98
57) 2,4-Dinitrotoluene	9.62	165	59236	5.995	ng	# 30
58) Fluorene	10.16	166	2317	Below Cal		# 89
65) 4,6-Dinitro-2-methylphenol	10.40	198	1017	5.152	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	31924	3.296	ng	# 1

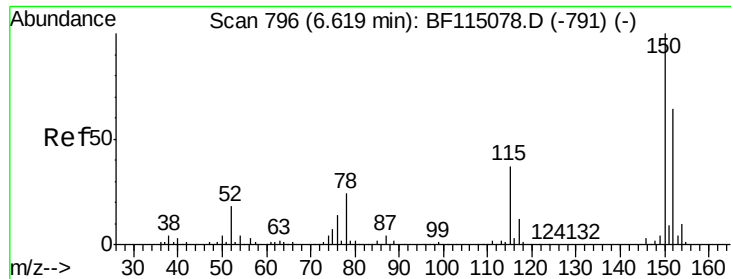
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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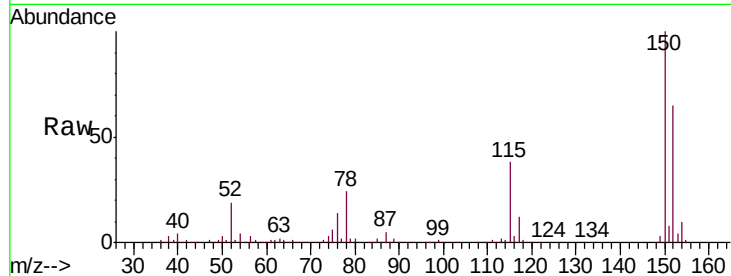


#1

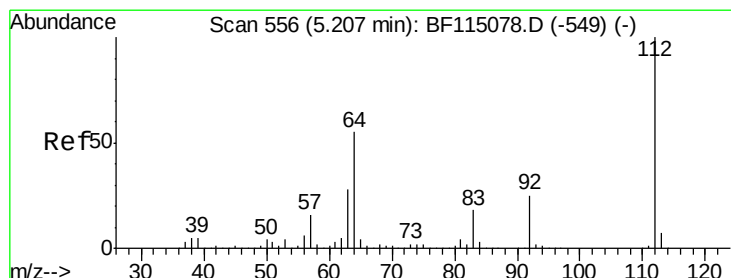
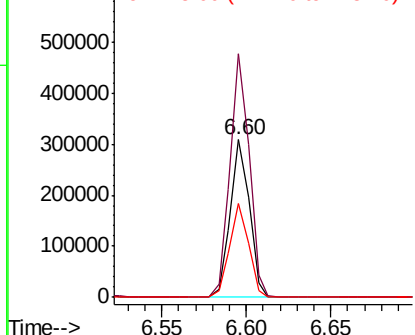
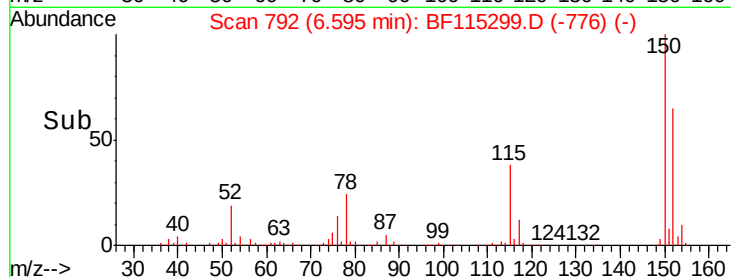
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115299.D
Acq: 28 Jun 2019 23:15

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1

Tgt Ion:152 Resp: 242492
Ion Ratio Lower Upper
152 100
150 154.7 124.2 186.2
115 59.3 46.1 69.1



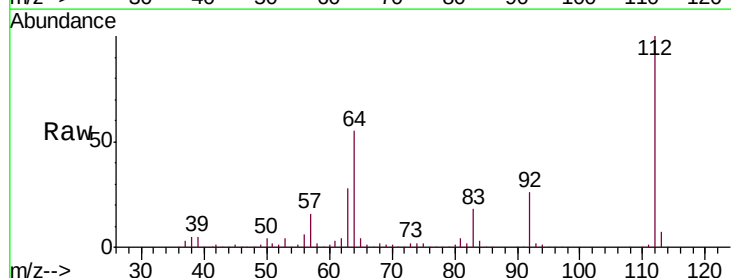
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



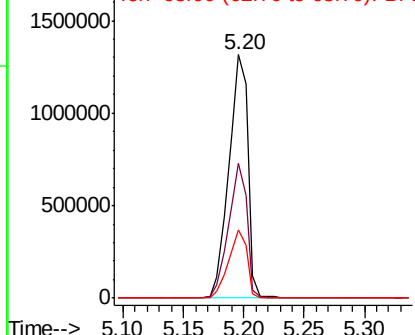
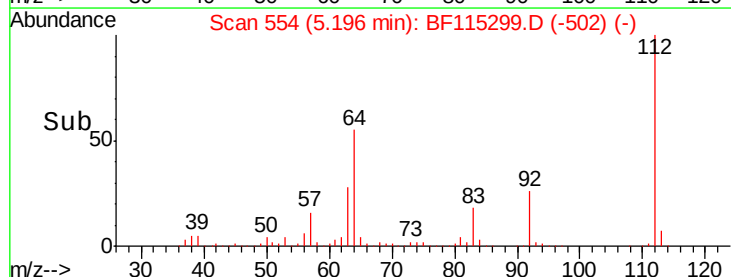
#5

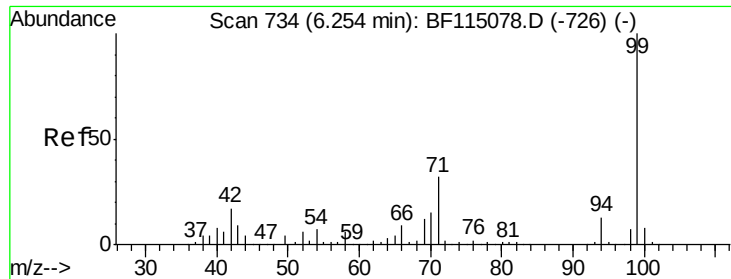
2-Fluorophenol
Concen: 91.900 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115299.D
Acq: 28 Jun 2019 23:15

Tgt Ion:112 Resp: 1444107
Ion Ratio Lower Upper
112 100
64 55.4 43.8 65.6
63 28.0 22.2 33.4



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: 95.163 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115299.D

Acq: 28 Jun 2019 23:15

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-1

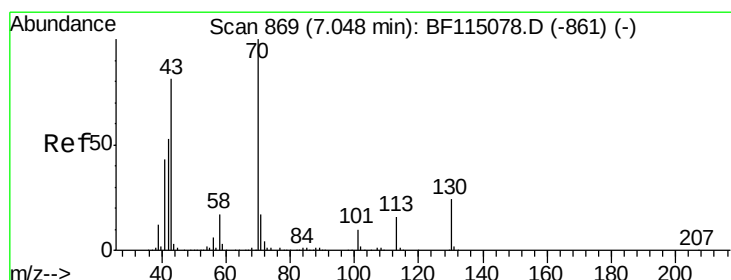
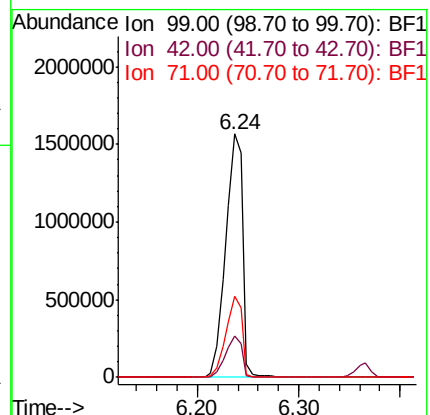
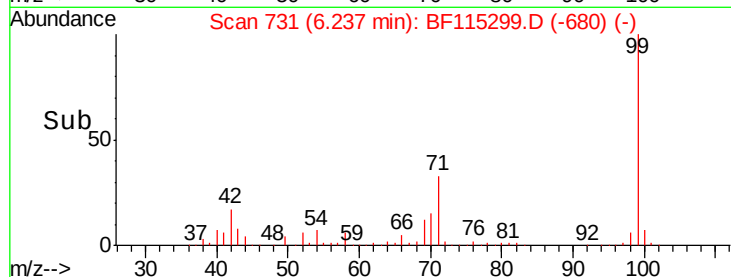
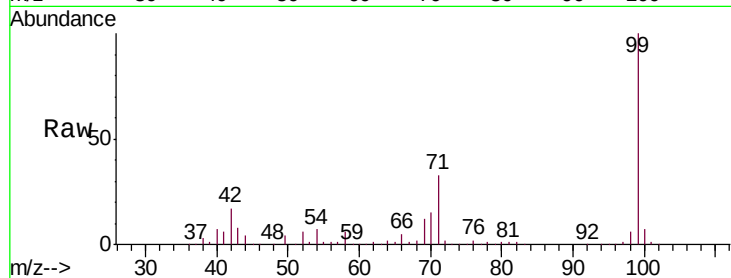
Tgt Ion: 99 Resp: 1815034

Ion Ratio Lower Upper

99 100

42 17.3 13.6 20.4

71 33.2 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.648 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115299.D

Acq: 28 Jun 2019 23:15

Tgt Ion: 70 Resp: 142233

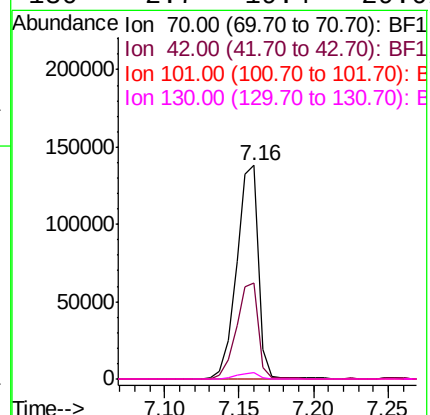
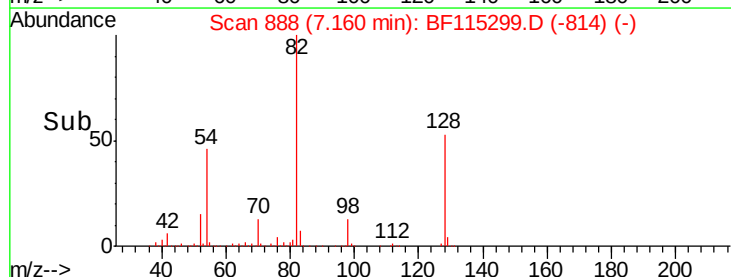
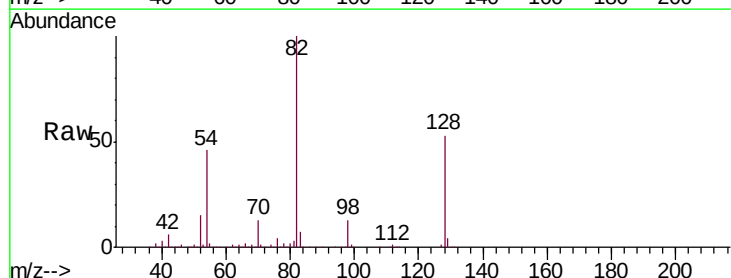
Ion Ratio Lower Upper

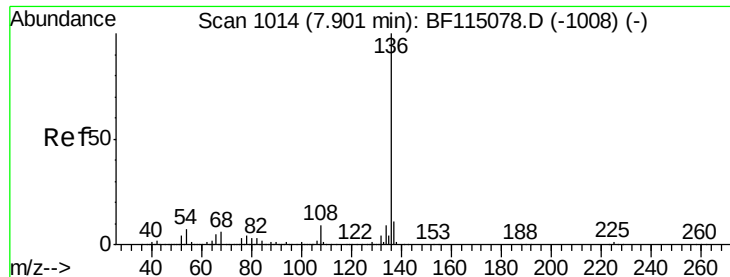
70 100

42 44.9 42.6 63.8

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#

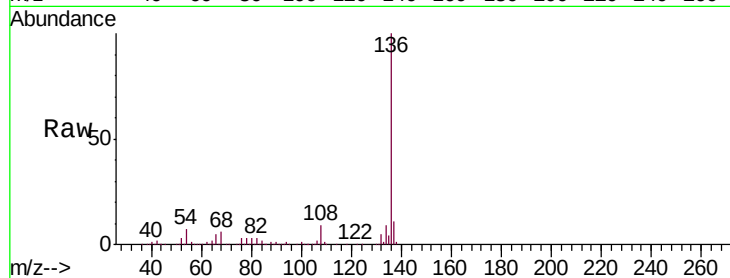




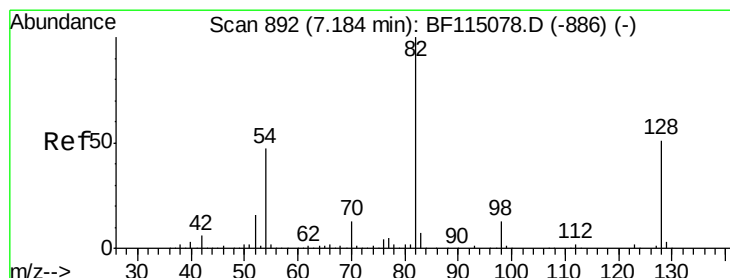
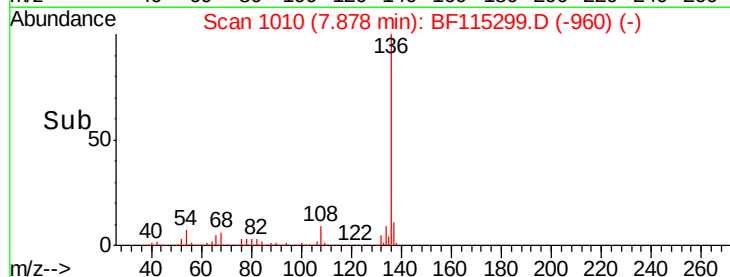
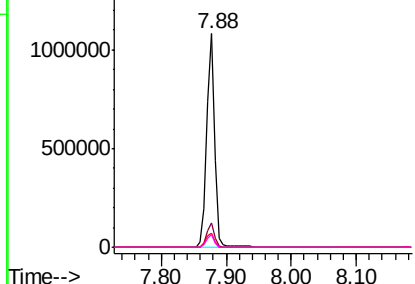
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115299.D
Acq: 28 Jun 2019 23:15

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1

Tgt Ion:	136	Resp:	918383
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	6.6	5.6	8.4
68	5.9	4.8	7.2

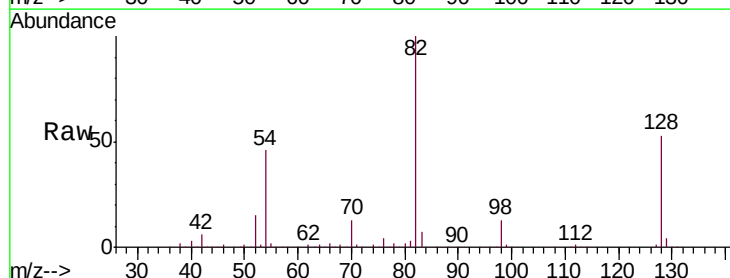


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

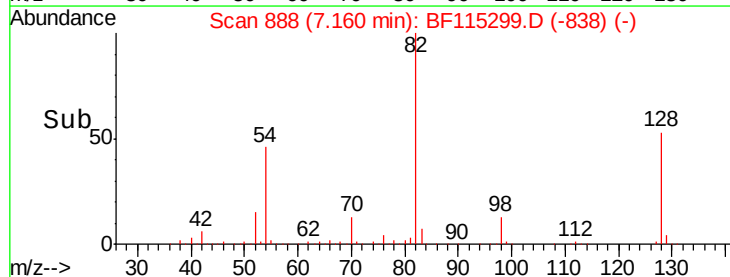
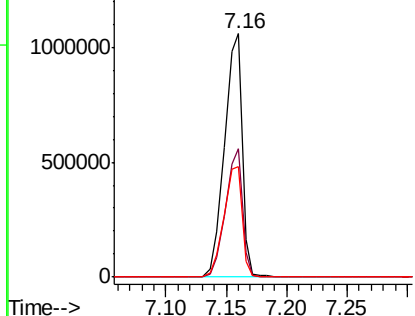


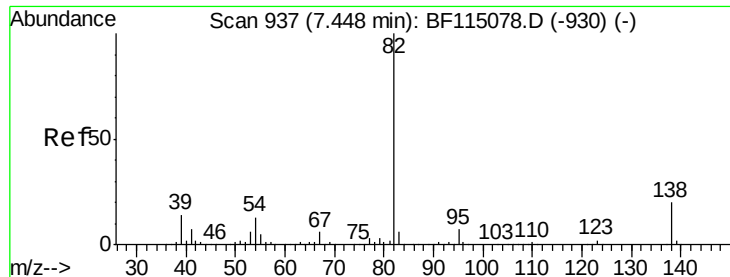
#23
Nitrobenzene-d5
Concen: 72.255 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115299.D
Acq: 28 Jun 2019 23:15

Tgt Ion:	82	Resp:	1078715
Ion	Ratio	Lower	Upper
82	100		
128	53.0	40.4	60.6
54	45.5	37.5	56.3



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: 34.959 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115299.D

Acq: 28 Jun 2019 23:15

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-1

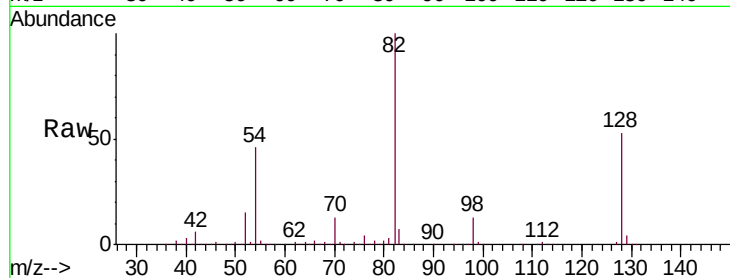
Tgt Ion: 82 Resp: 1069154

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

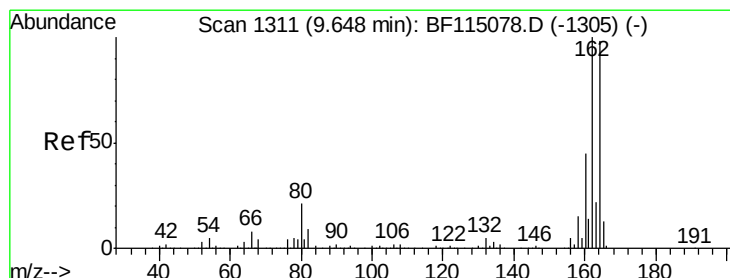
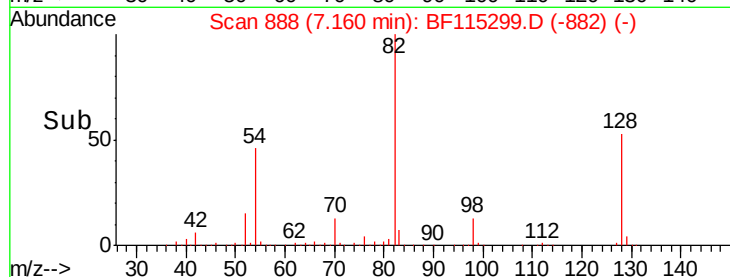
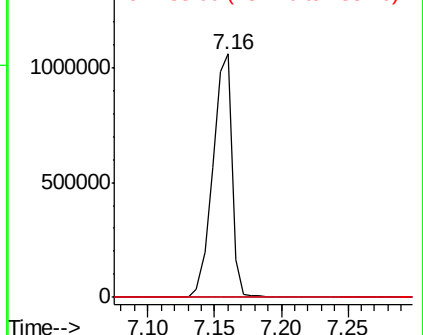
138 0.0 15.9 23.9#



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: 9.62 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF115299.D

Acq: 28 Jun 2019 23:15

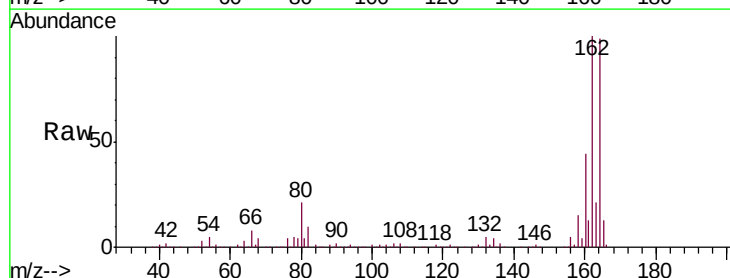
Tgt Ion: 164 Resp: 450547

Ion Ratio Lower Upper

164 100

162 101.1 81.7 122.5

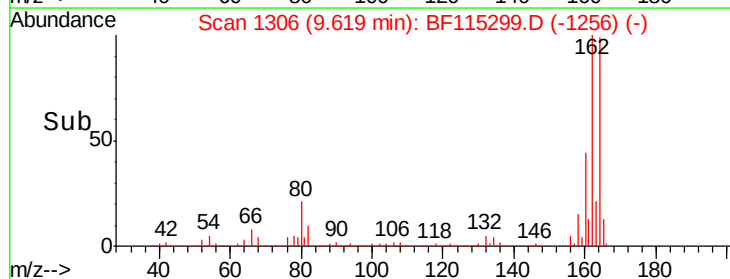
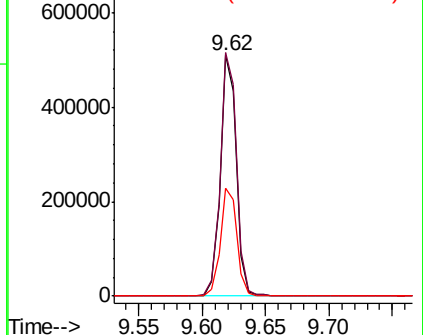
160 45.0 37.0 55.4

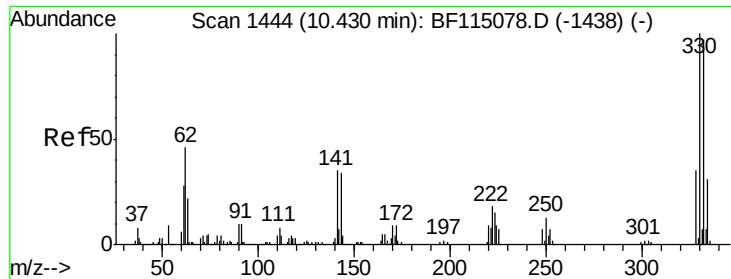


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

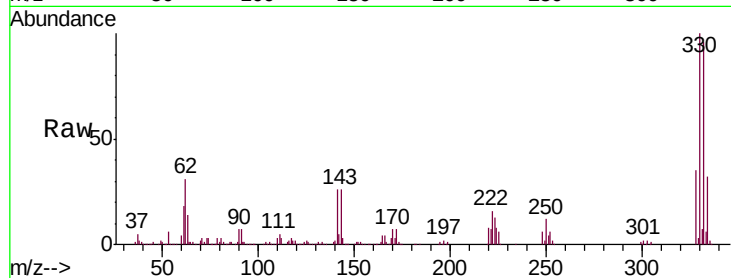




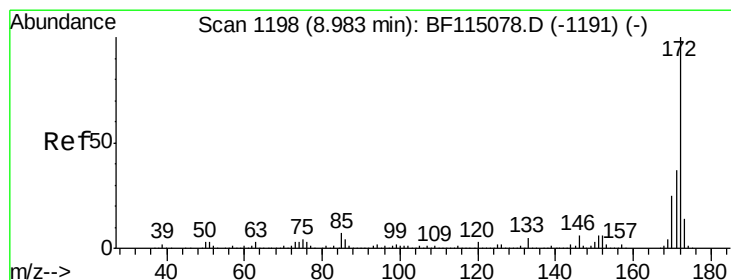
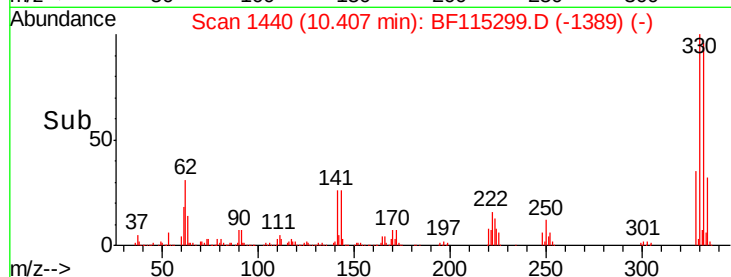
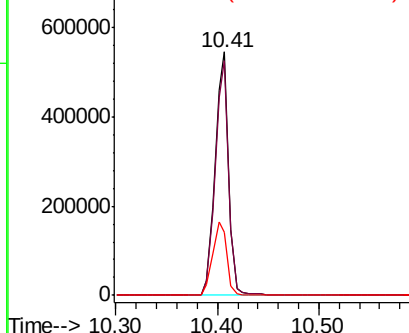
#42
 2,4,6-Tribromophenol
 Concen: 106.047 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115299.D
 Acq: 28 Jun 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1

Tgt Ion:330 Resp: 503848
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.3 115.9
 141 32.4 28.2 42.2

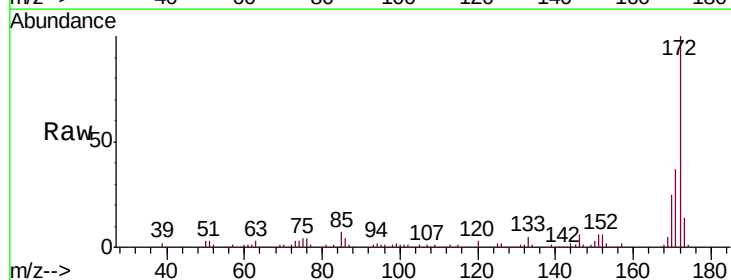


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

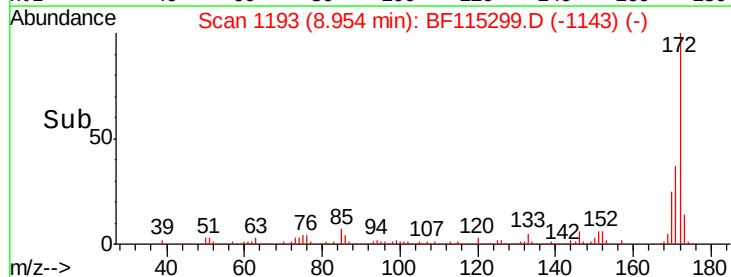
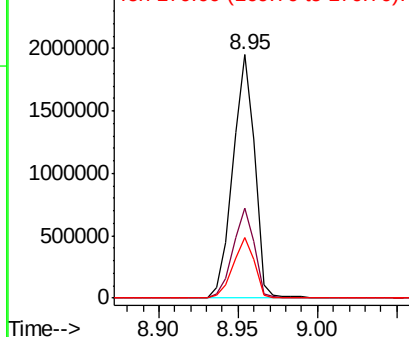


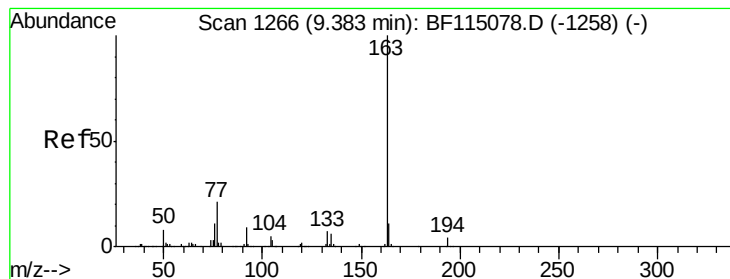
#45
 2-Fluorobiphenyl
 Concen: 70.250 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115299.D
 Acq: 28 Jun 2019 23:15

Tgt Ion:172 Resp: 1863323
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 24.9 20.3 30.5



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: 9.995 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF115299.D

Acq: 28 Jun 2019 23:15

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-1

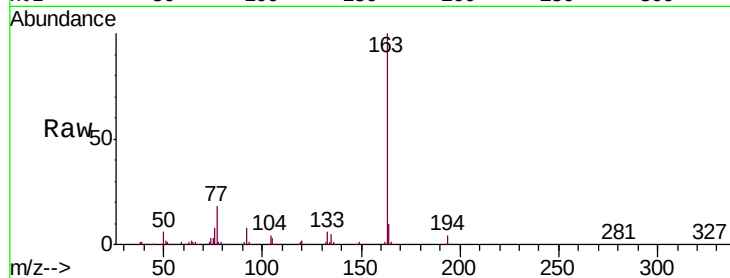
Tgt Ion:163 Resp: 331313

Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

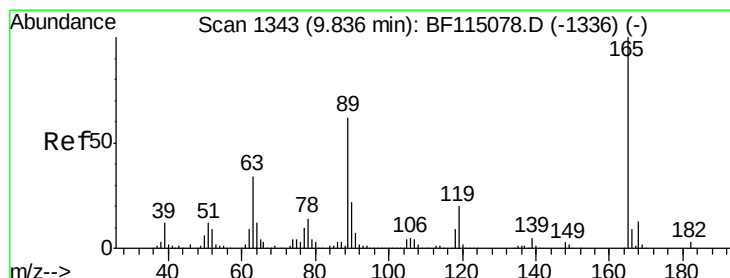
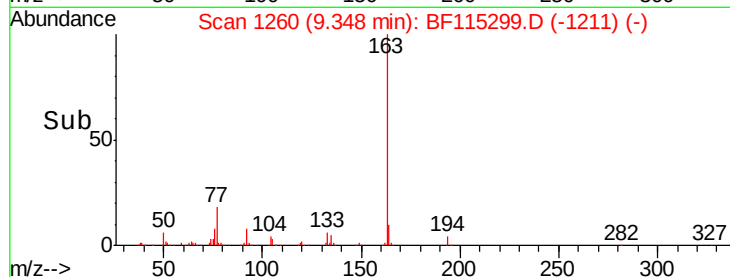
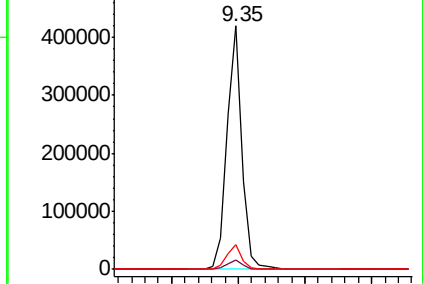
164 9.9 8.6 13.0



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: 5.995 ng

RT: 9.62 min Scan# 1306

Delta R.T. -0.19 min

Lab File: BF115299.D

Acq: 28 Jun 2019 23:15

Tgt Ion:165 Resp: 59236

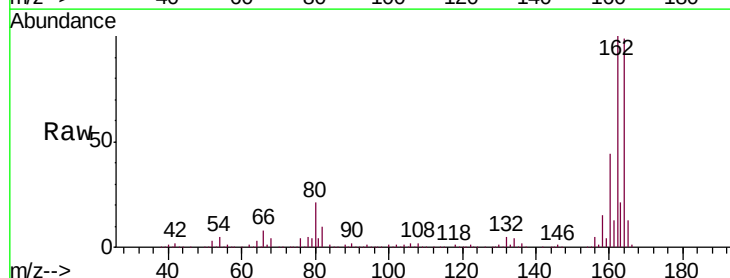
Ion Ratio Lower Upper

165 100

63 0.9 27.5 41.3#

89 1.2 49.9 74.9#

182 0.0 2.1 3.1#

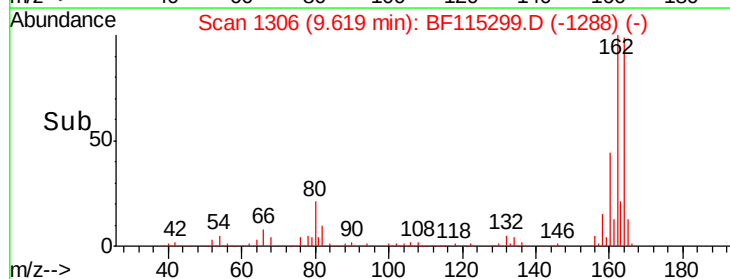
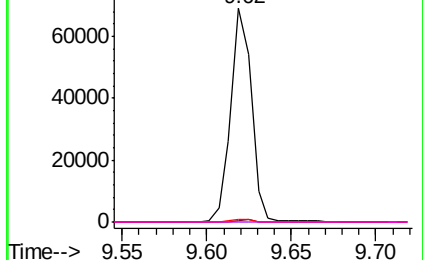


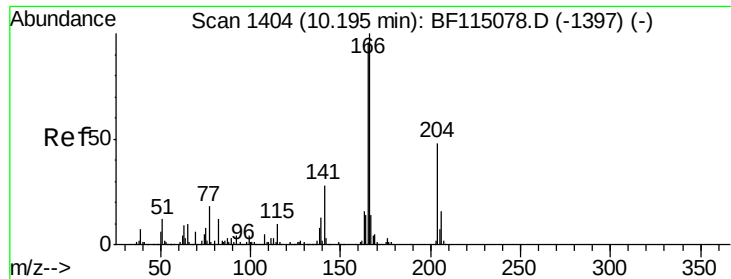
Abundance Ion 165.00 (164.70 to 165.70): E

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

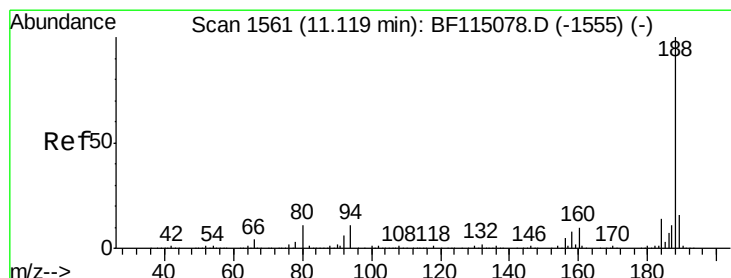
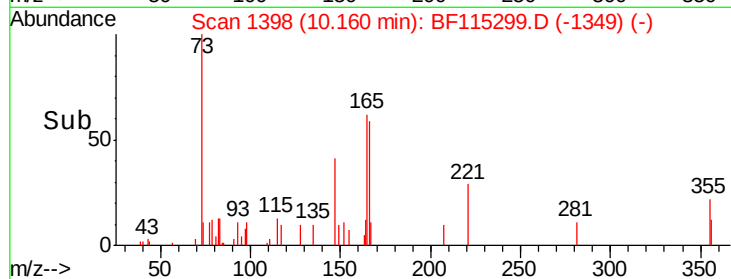
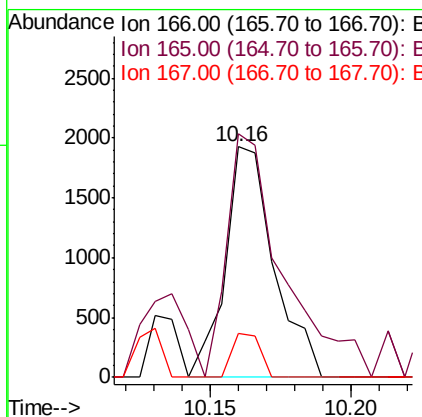
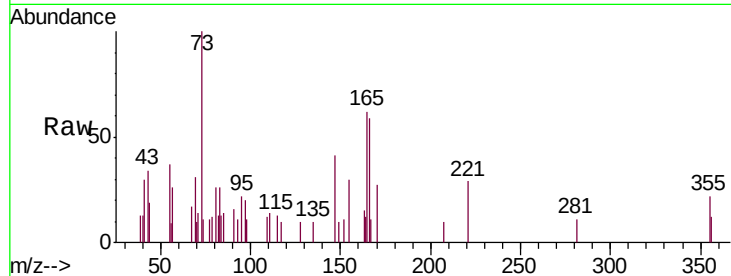




#58
 Fluorene
 Concen: Below Cal
 RT: 10.16 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF115299.D
 Acq: 28 Jun 2019 23:15

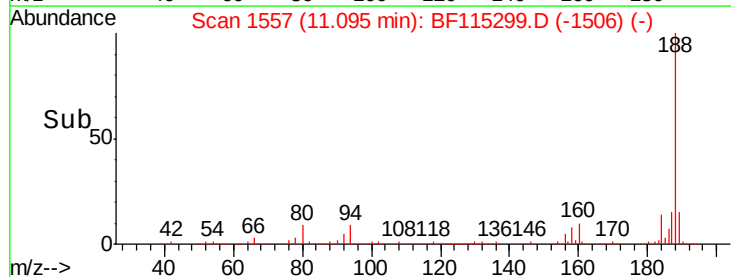
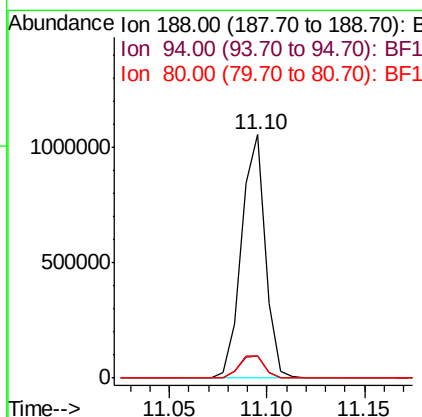
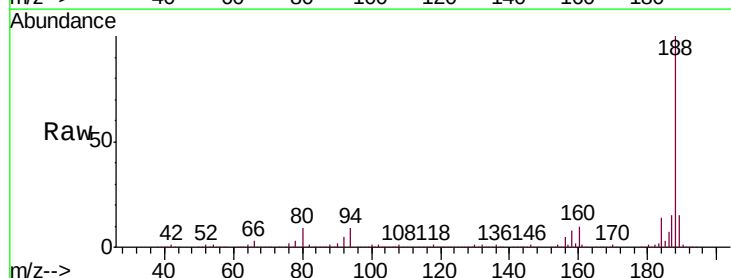
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1

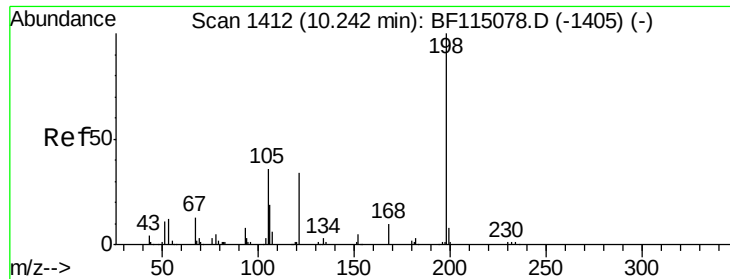
Tgt Ion:166 Resp: 2317
 Ion Ratio Lower Upper
 166 100
 165 105.6 76.5 114.7
 167 18.9 11.0 16.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.10 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF115299.D
 Acq: 28 Jun 2019 23:15

Tgt Ion:188 Resp: 893384
 Ion Ratio Lower Upper
 188 100
 94 8.9 8.6 12.8
 80 9.2 8.8 13.2

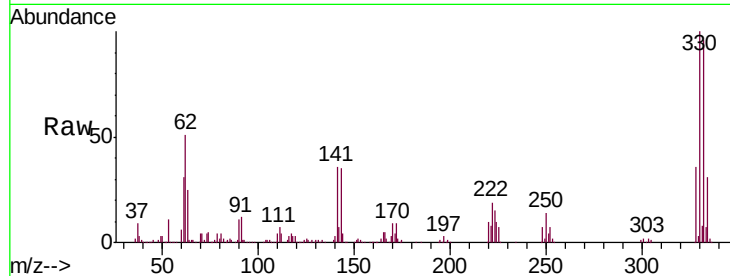




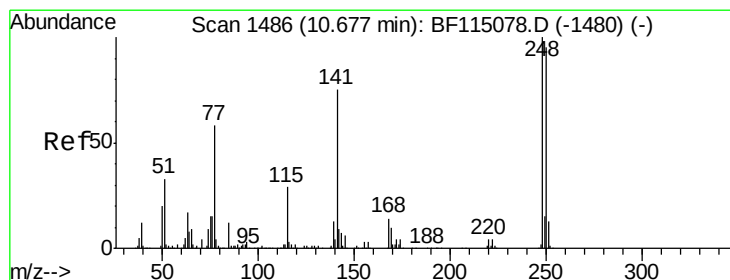
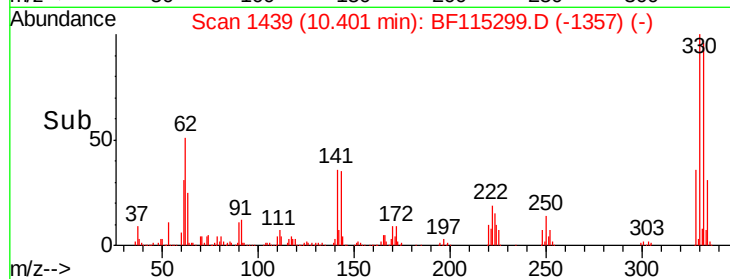
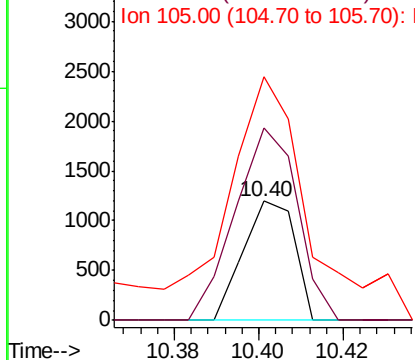
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.152 ng
 RT: 10.40 min Scan# 1439
 Delta R.T. 0.18 min
 Lab File: BF115299.D
 Acq: 28 Jun 2019 23:15

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1

Tgt Ion:198 Resp: 1017
 Ion Ratio Lower Upper
 198 100
 51 162.0 11.0 51.0#
 105 204.7 17.3 57.3#

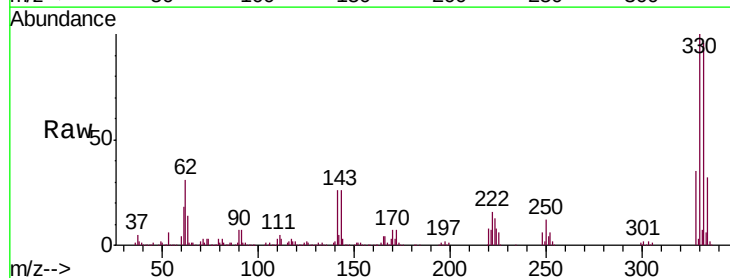


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

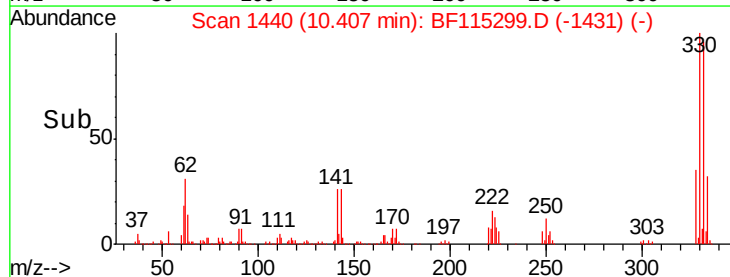
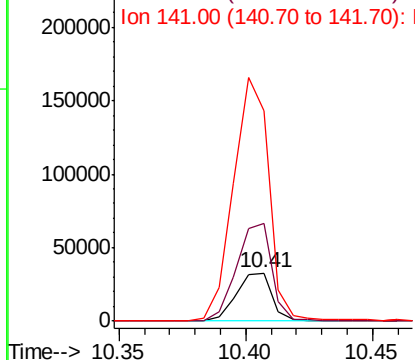


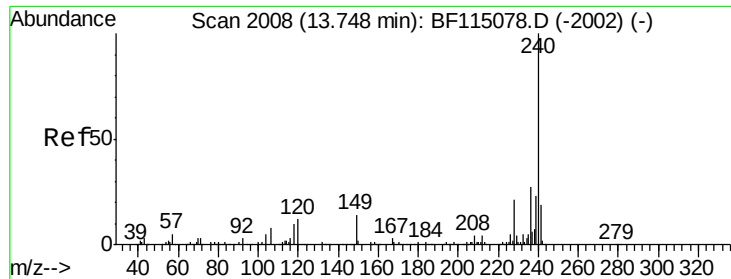
#67
 4-Bromophenyl-phenylether
 Concen: 3.296 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF115299.D
 Acq: 28 Jun 2019 23:15

Tgt Ion:248 Resp: 31924
 Ion Ratio Lower Upper
 248 100
 250 205.7 76.2 114.2#
 141 439.4 59.6 89.4#



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

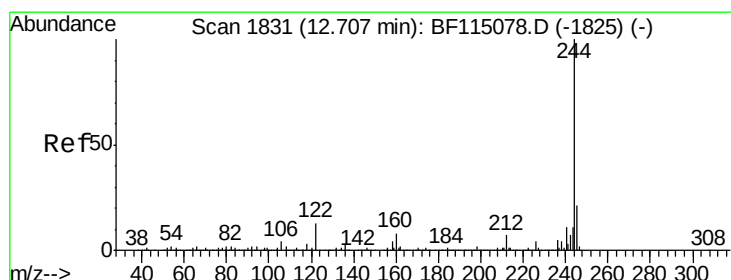
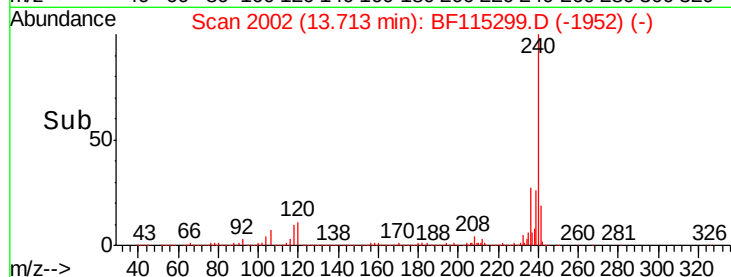
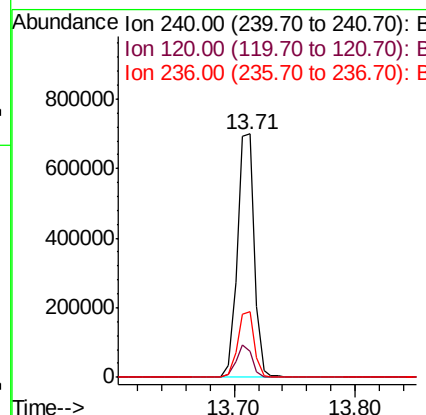
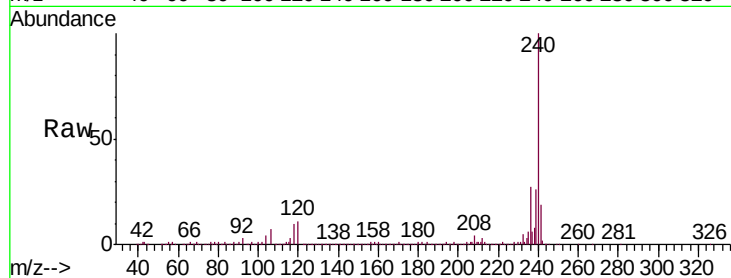




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115299.D
Acq: 28 Jun 2019 23:15

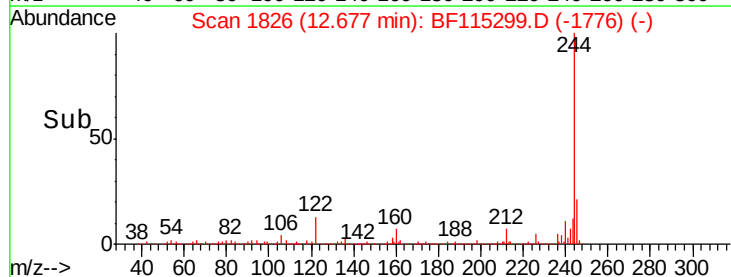
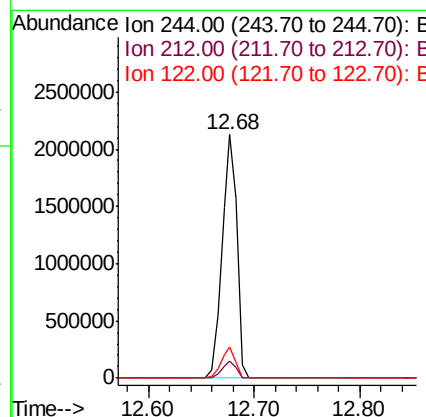
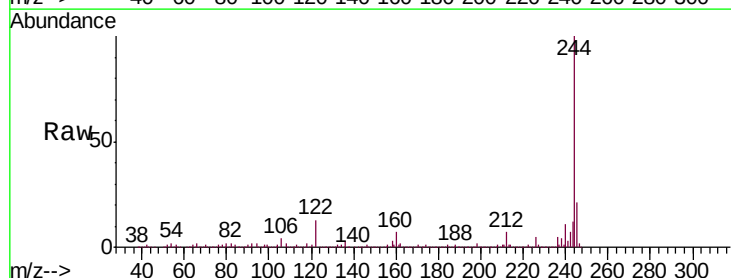
Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1

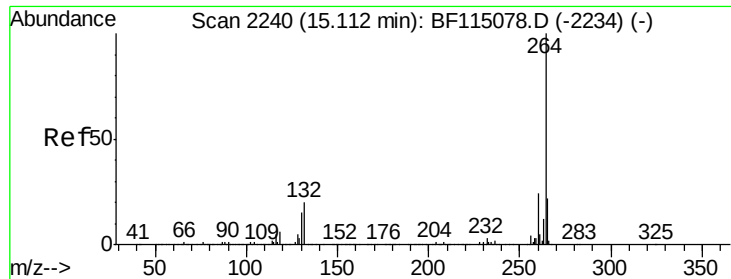
Tgt Ion:240 Resp: 686968
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.2
236 26.9 21.7 32.5



#79
Terphenyl-d14
Concen: 65.190 ng
RT: 12.68 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF115299.D
Acq: 28 Jun 2019 23:15

Tgt Ion:244 Resp: 2106295
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 12.6 10.4 15.6





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.07 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF115299.D
Acq: 28 Jun 2019 23:15

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	21.6	17.3	25.9

