

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
 Data File : BF114641.D
 Acq On : 29 May 2019 19:10
 Operator : HP/JU
 Sample : K3053-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CR-SOIL-PILE

Quant Time: May 30 04:24:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	251770	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	971590	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	482523	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	980858	20.00	ng	0.00
76) Chrysene-d12	13.81	240	843480	20.00	ng	0.00
87) Perylene-d12	15.20	264	867370	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1888540	131.70	ng	0.00
7) Phenol-d6	6.33	99	2298941	133.04	ng	0.00
23) Nitrobenzene-d5	7.25	82	1400936	89.96	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	641495	139.53	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2329276	92.00	ng	0.00
79) Terphenyl-d14	12.77	244	2829569	63.07	ng	0.00

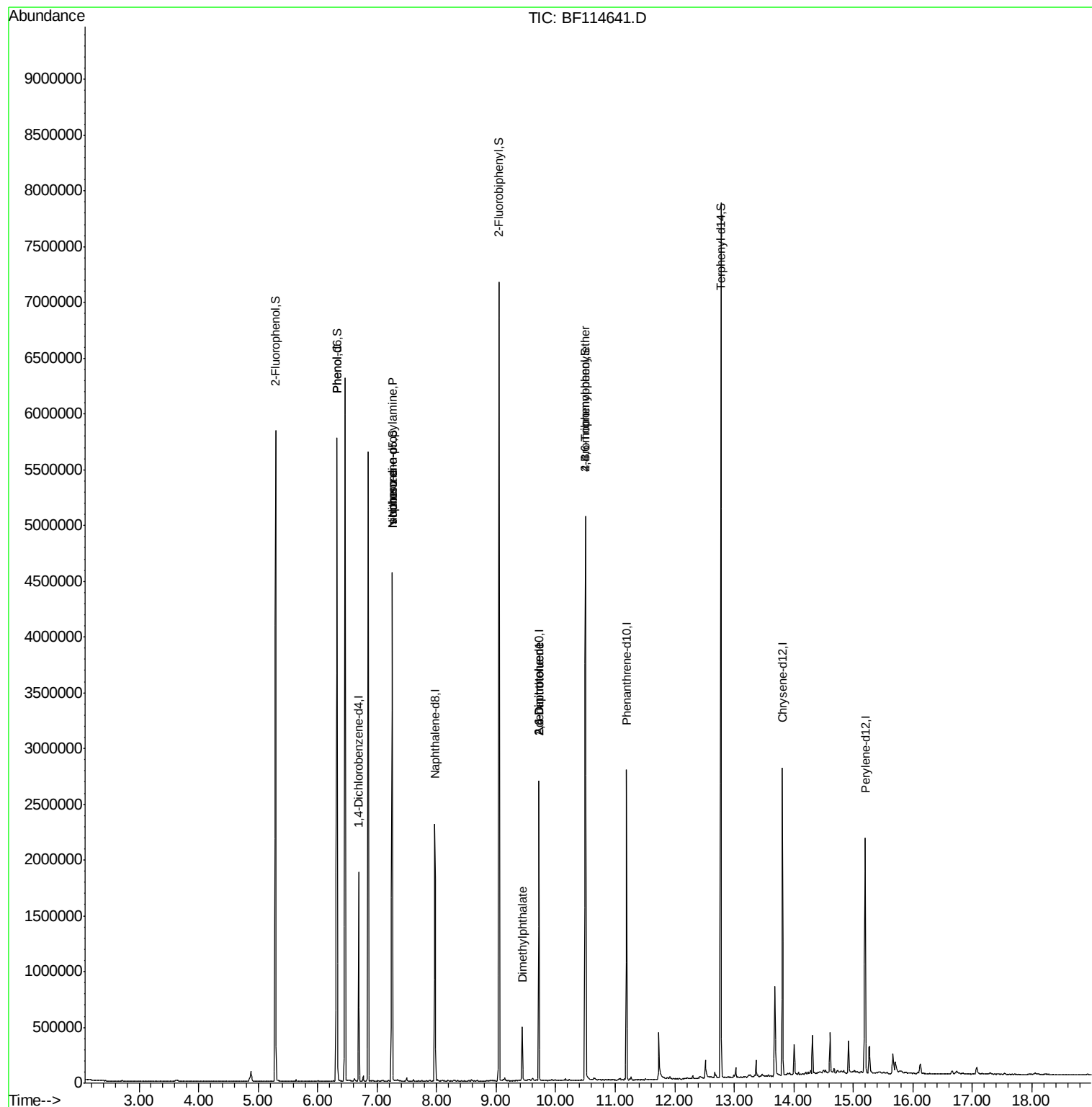
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	4845	Below Cal	#	6
10) Phenol	6.33	94	70581	3.381	ng	96
19) n-Nitroso-di-n-propylamine	7.25	70	188841	15.832	ng	77
25) Isophorone	7.25	82	1391297	44.517	ng	63
50) Dimethylphthalate	9.44	163	190953	5.679	ng	98
51) 2,6-Dinitrotoluene	9.72	165	62486	7.998	ng	31
57) 2,4-Dinitrotoluene	9.72	165	62486	6.232	ng	23
58) Fluorene	10.50	166	30083	Below Cal	#	85
67) 4-Bromophenyl-phenylether	10.50	248	40957	3.894	ng	1
69) Atrazine	10.89	200	416	Below Cal	#	65
74) Di-n-butylphthalate	11.76	149	5601	Below Cal	#	96

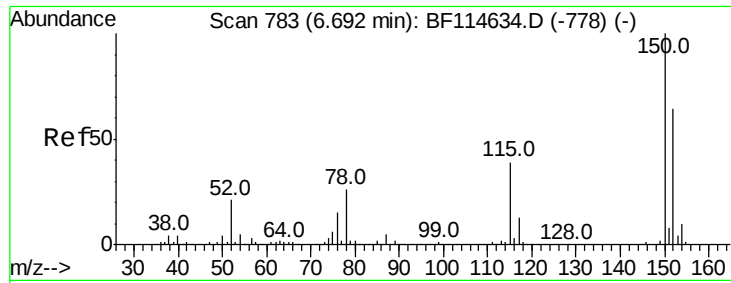
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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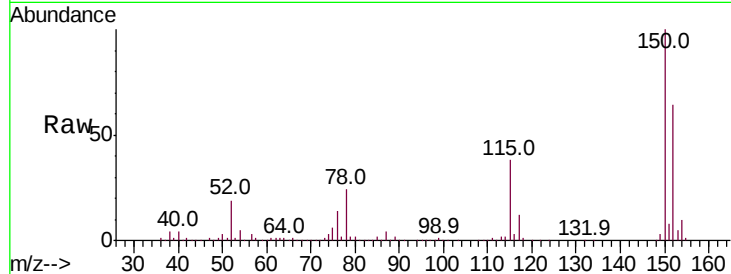


#1

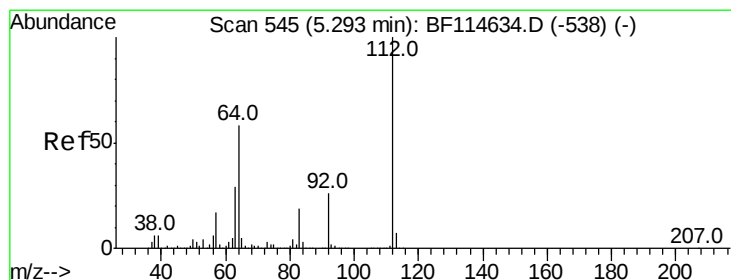
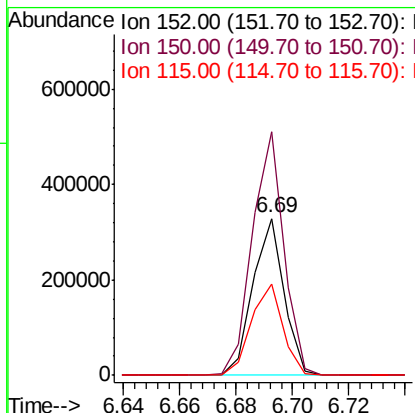
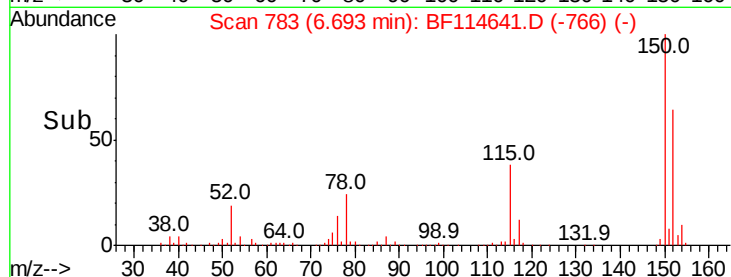
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF114641.D
 Acq: 29 May 2019 19:10

Instrument :
 BNA_F
 ClientSampleId :
 CR-SOIL-PILE

Tot Ion:152 Resp: 251770
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.4 186.6
 115 58.4 48.7 73.1



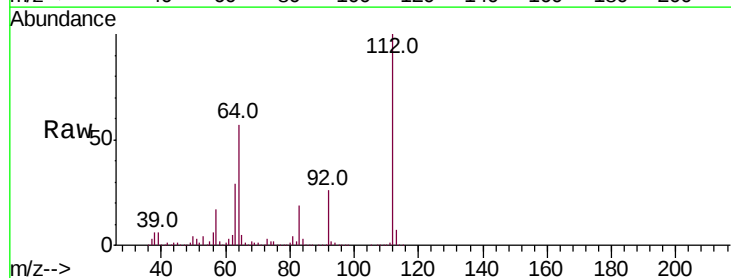
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



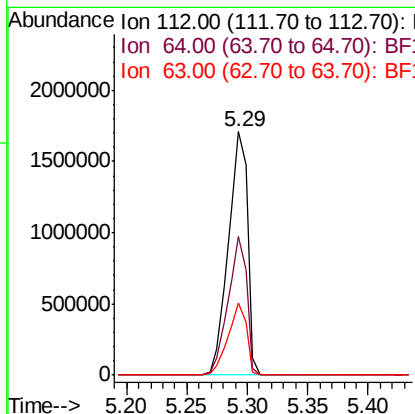
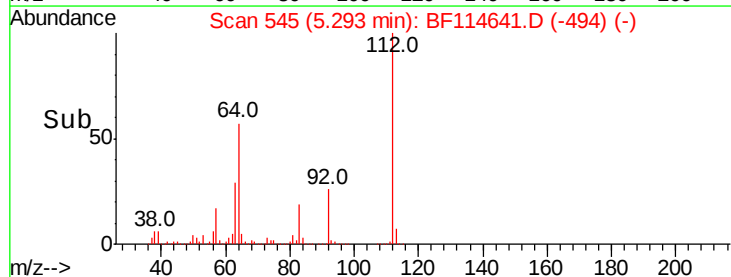
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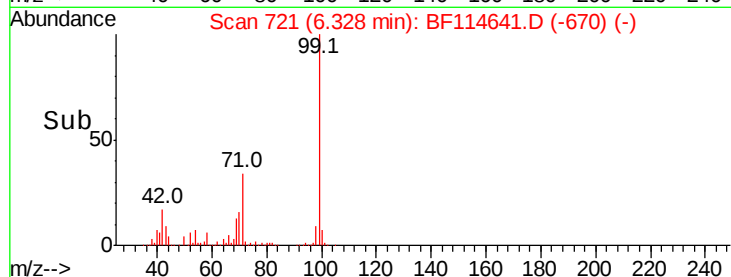
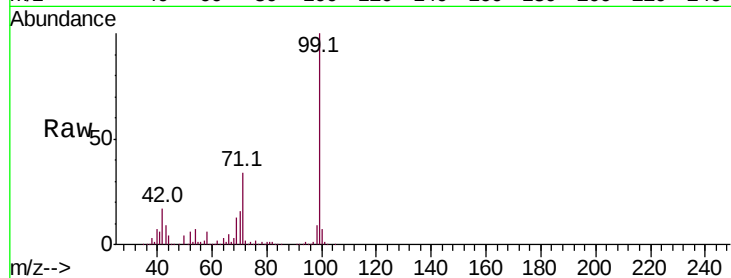
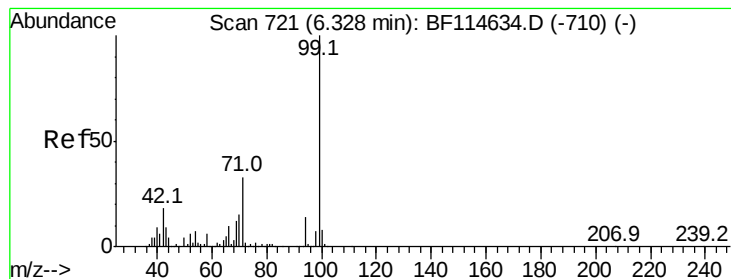
2-Fluorophenol
 Concen: 131.697 ng
 RT: 5.29 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: BF114641.D
 Acq: 29 May 2019 19:10

Tgt Ion:112 Resp: 1888540
 Ion Ratio Lower Upper
 112 100
 64 56.9 46.1 69.1
 63 29.4 23.4 35.2



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: 133.038 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.00 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

Instrument :

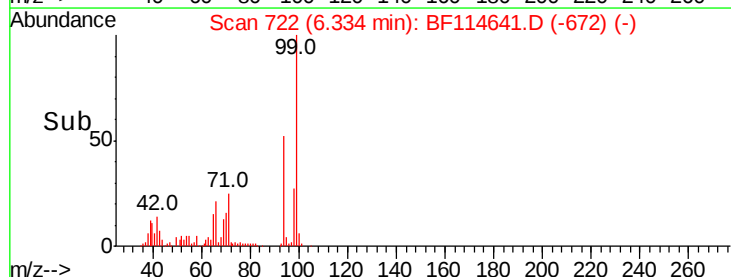
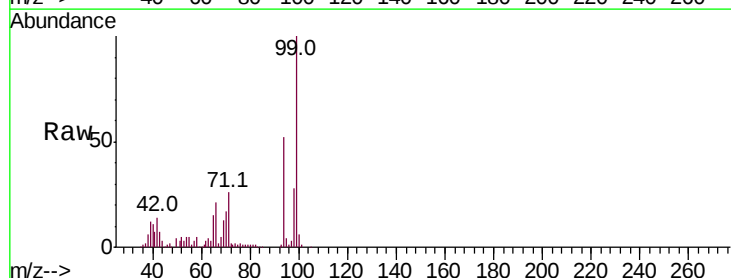
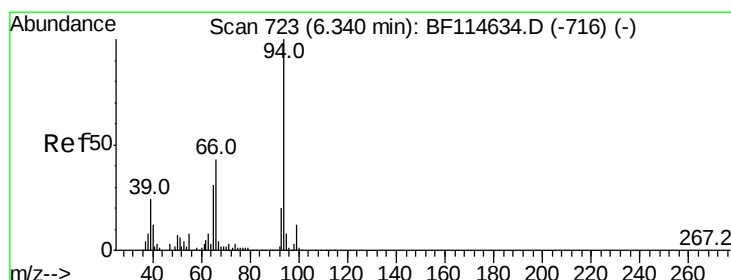
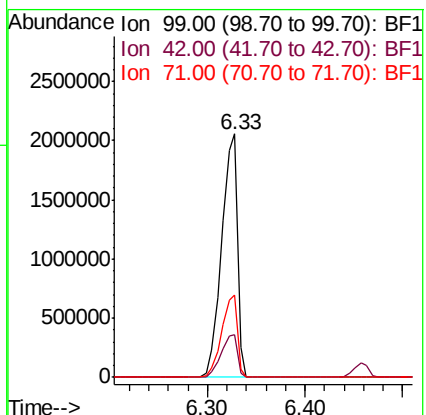
BNA_F

ClientSampleId :

CR-SOIL-PILE

Tot Ion: 99 Resp: 2298941

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.7	22.1
71	33.8	26.6	40.0



#10

Phenol

Concen: 3.381 ng

RT: 6.33 min Scan# 722

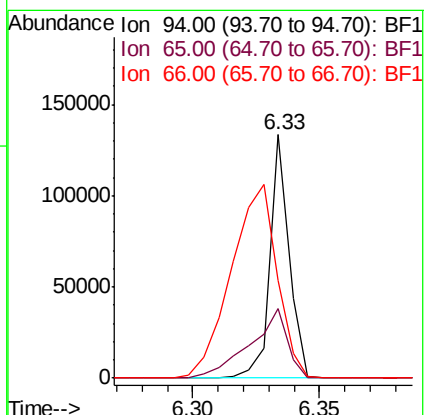
Delta R.T. -0.01 min

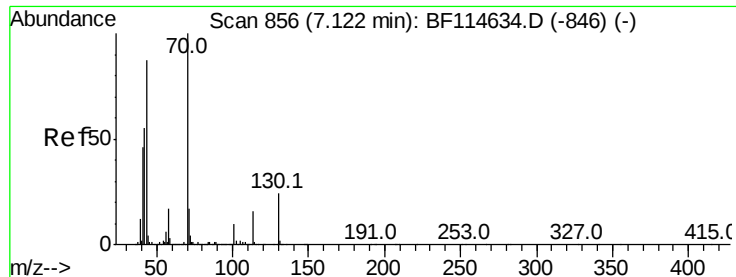
Lab File: BF114641.D

Acq: 29 May 2019 19:10

Tgt Ion: 94 Resp: 70581

Ion	Ratio	Lower	Upper
94	100		
65	28.5	11.0	51.0
66	40.4	23.0	63.0





#19

n-Nitroso-di-n-propylamine

Concen: 15.832 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

Instrument :

BNA_F

ClientSampleId :

CR-SOIL-PILE

Tot Ion: 70 Resp: 188841

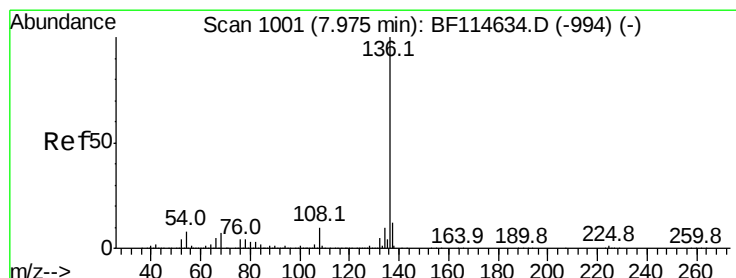
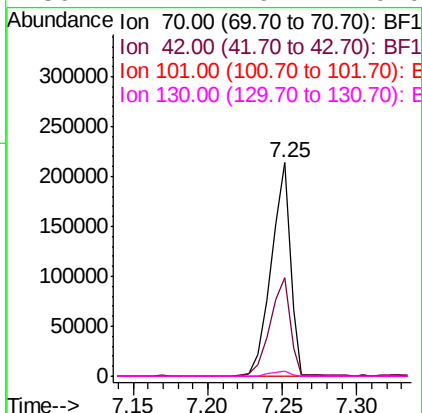
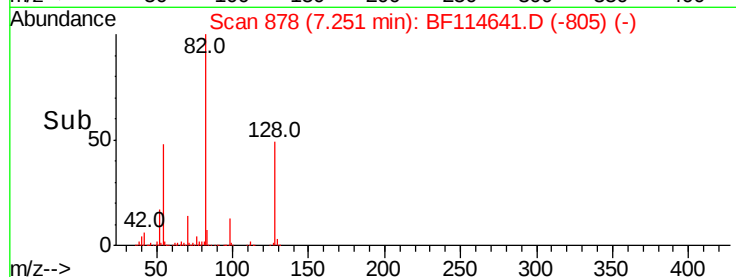
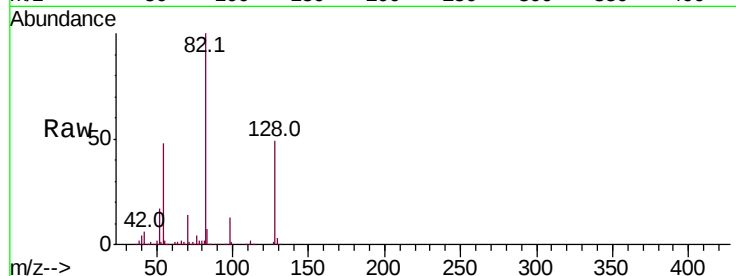
Ion Ratio Lower Upper

70 100

42 46.0 44.4 66.6

101 0.0 8.2 12.4#

130 2.4 19.4 29.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

Tgt Ion: 136 Resp: 971590

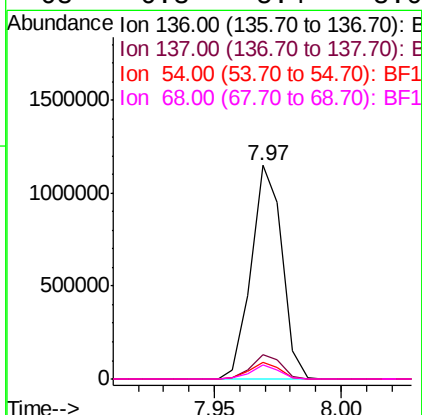
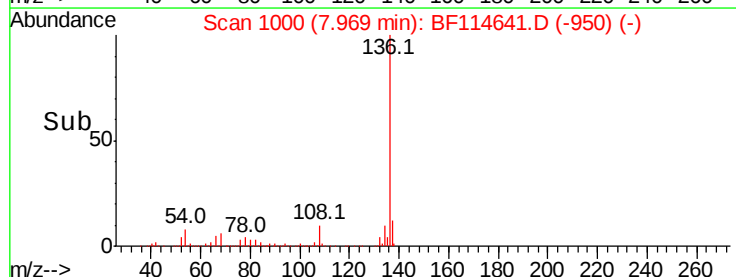
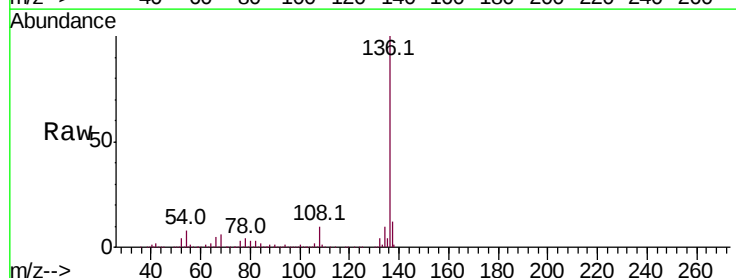
Ion Ratio Lower Upper

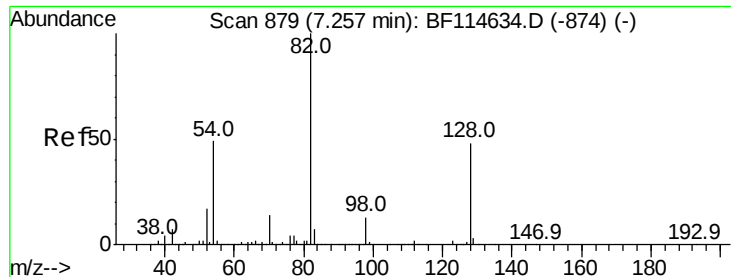
136 100

137 11.5 9.3 13.9

54 7.6 6.3 9.5

68 6.3 5.4 8.0

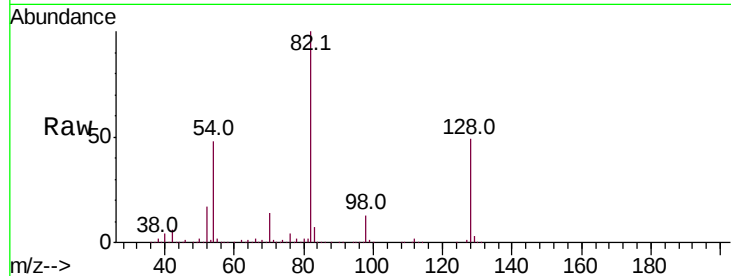




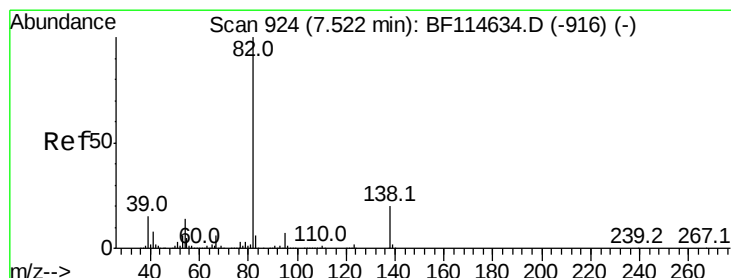
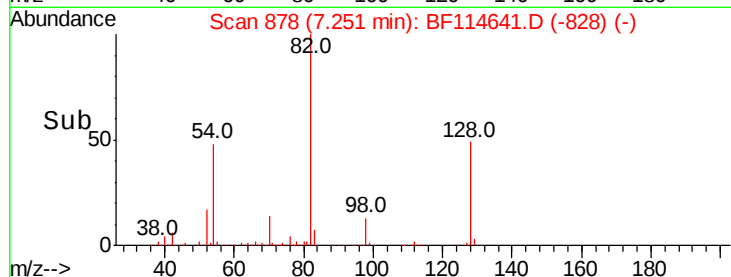
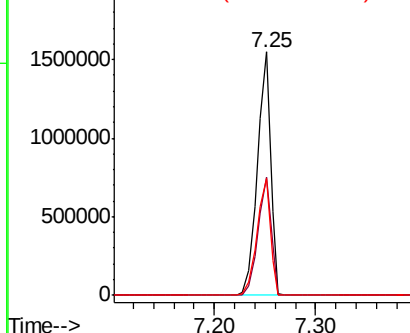
#23
Nitrobenzene-d5
Concen: 89.959 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114641.D
Acq: 29 May 2019 19:10

Instrument :
BNA_F
ClientSampleId :
CR-SOIL-PILE

Tot Ion: 82 Resp: 1400936
Ion Ratio Lower Upper
82 100
128 48.7 38.5 57.7
54 47.9 39.1 58.7

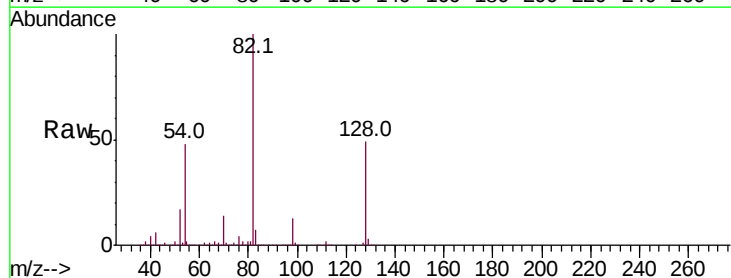


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

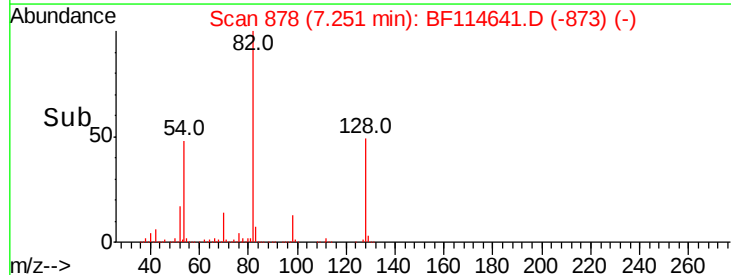
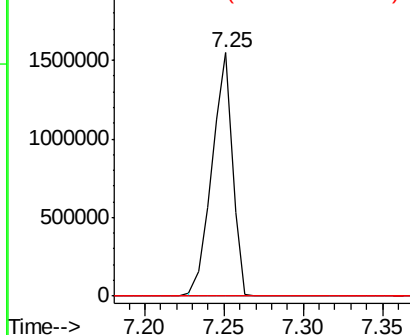


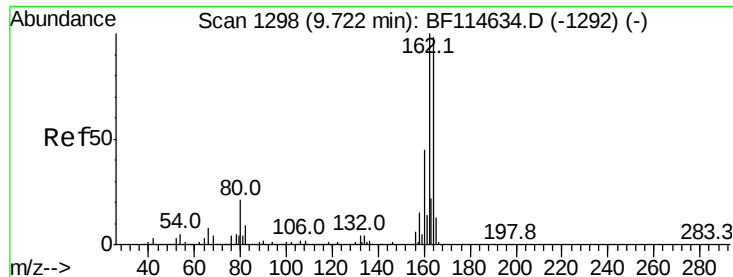
#25
Isophorone
Concen: 44.517 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.27 min
Lab File: BF114641.D
Acq: 29 May 2019 19:10

Tgt Ion: 82 Resp: 1391297
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
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

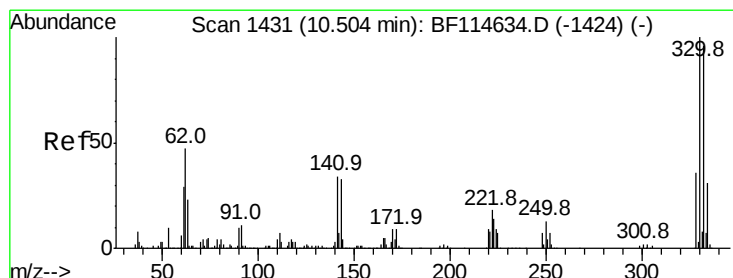
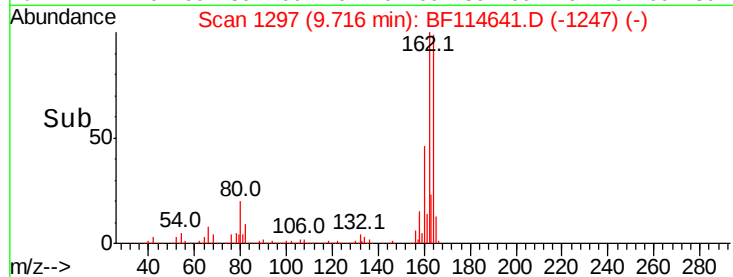
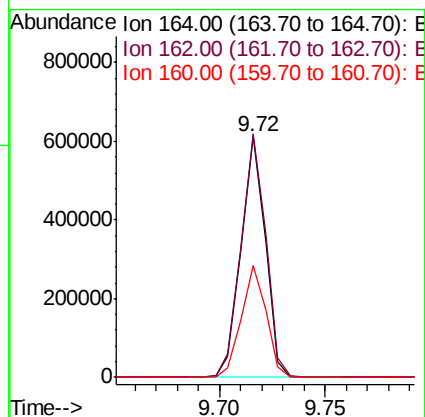
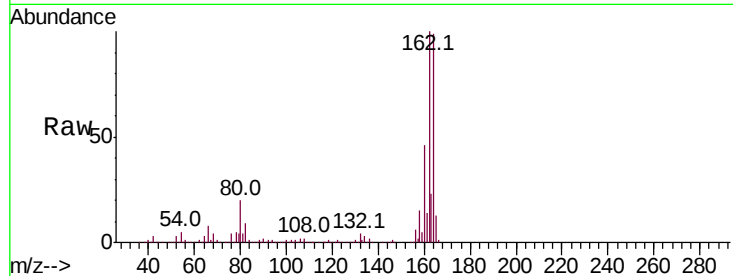




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF114641.D
Acq: 29 May 2019 19:10

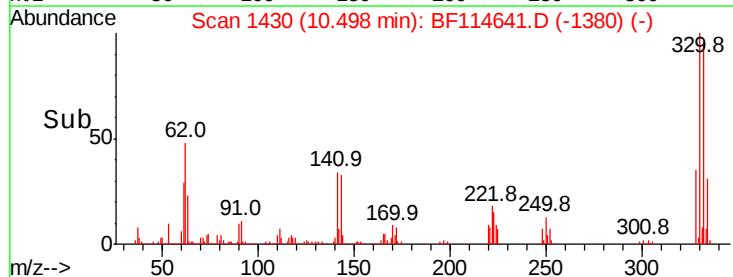
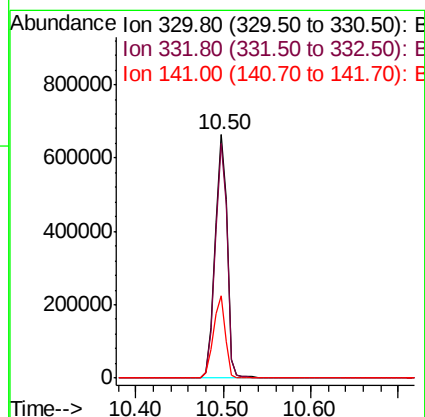
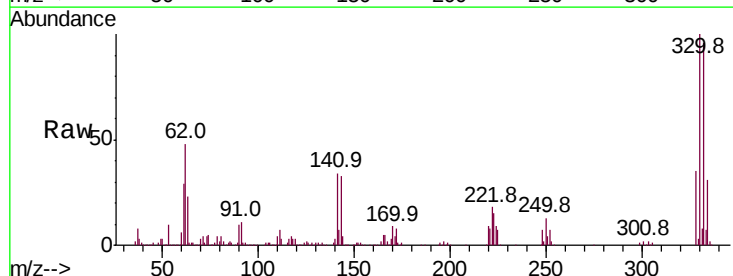
Instrument :
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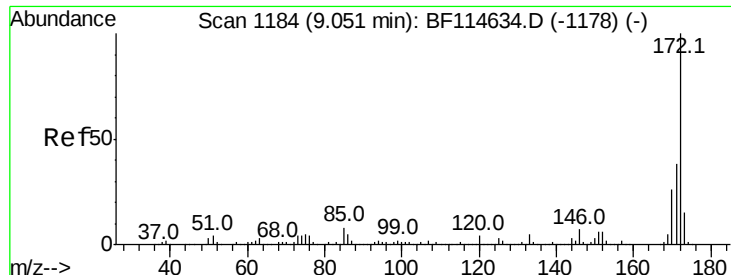
Tot Ion:164 Resp: 482523
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.2
160 46.4 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 139.526 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF114641.D
Acq: 29 May 2019 19:10

Tgt Ion:330 Resp: 641495
Ion Ratio Lower Upper
330 100
332 96.0 75.8 113.8
141 33.5 27.8 41.8

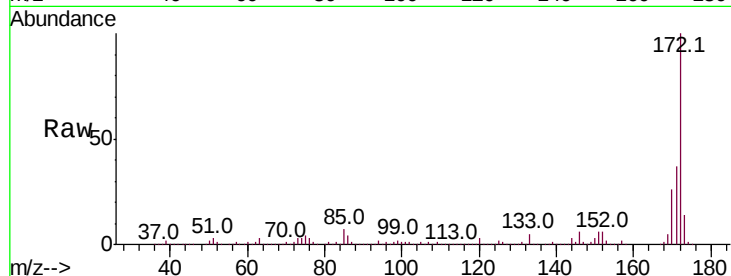




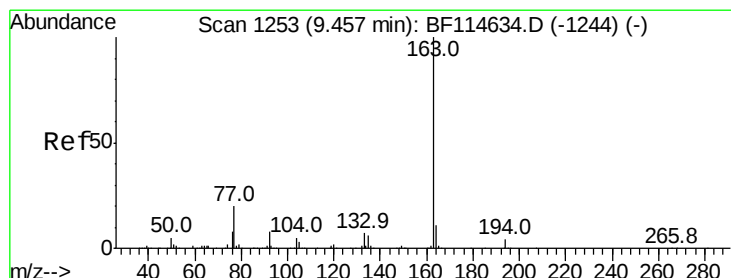
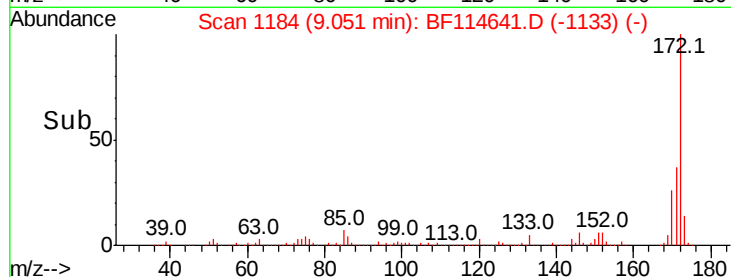
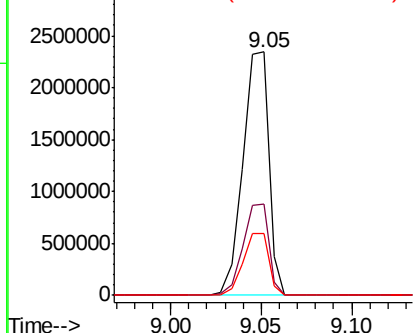
#45
2-Fluorobiphenyl
Concen: 91.997 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114641.D
Acq: 29 May 2019 19:10

Instrument :
BNA_F
ClientSampleId :
CR-SOIL-PILE

Tot Ion:172 Resp: 2329276
Ion Ratio Lower Upper
172 100
171 37.3 30.6 45.8
170 25.6 20.7 31.1

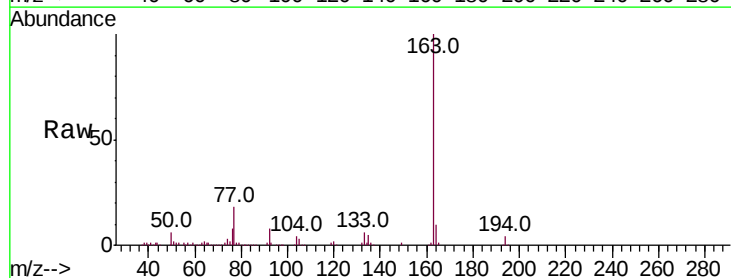


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

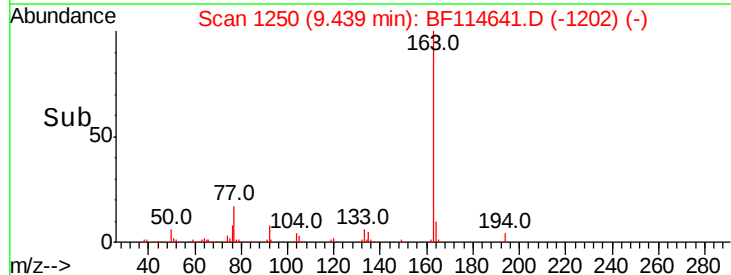
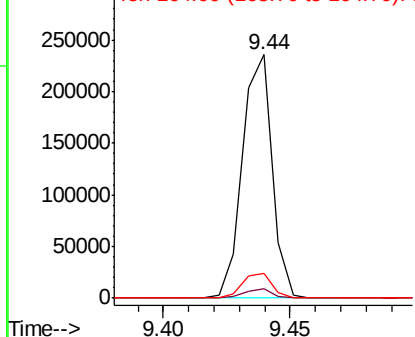


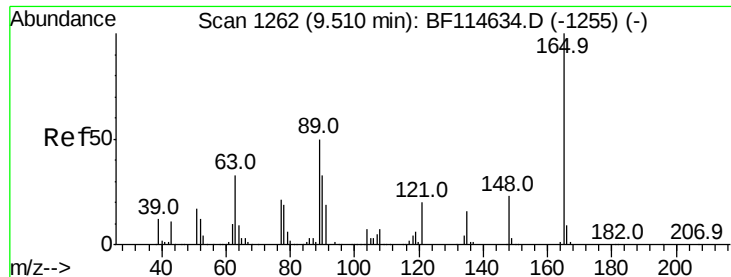
#50
Dimethylphthalate
Concen: 5.679 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114641.D
Acq: 29 May 2019 19:10

Tgt Ion:163 Resp: 190953
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.0
164 10.1 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

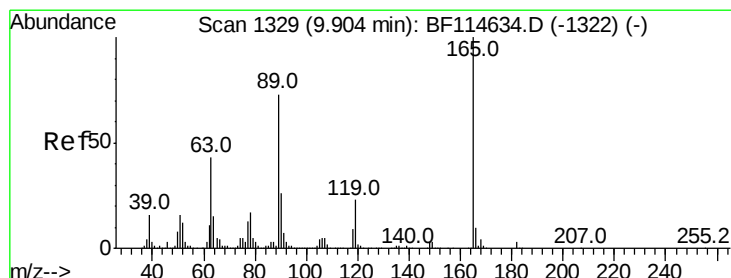
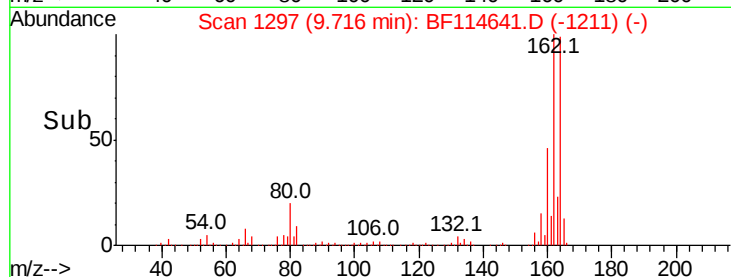
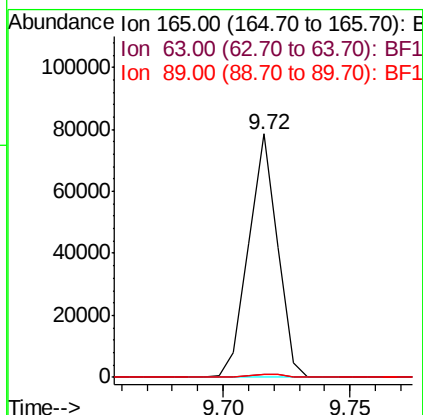
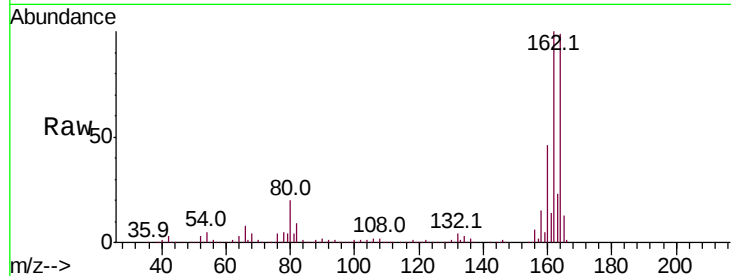




#51
 2,6-Dinitrotoluene
 Concen: 7.998 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.21 min
 Lab File: BF114641.D
 Acq: 29 May 2019 19:10

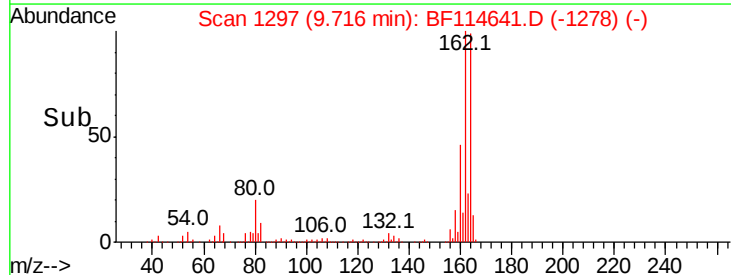
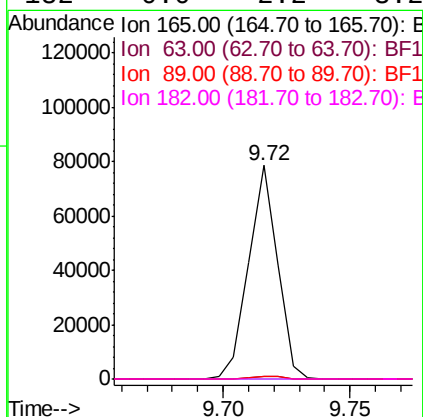
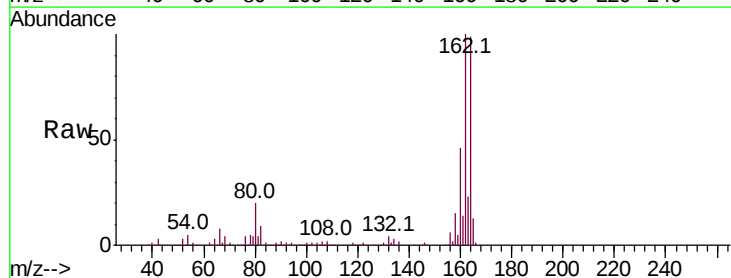
Instrument :
 BNA_F
 ClientSampleId :
 CR-SOIL-PILE

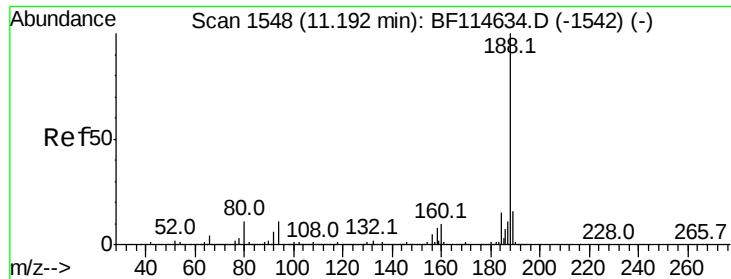
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.6	54.8#
89	1.2	40.2	60.4#



#57
 2,4-Dinitrotoluene
 Concen: 6.232 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.19 min
 Lab File: BF114641.D
 Acq: 29 May 2019 19:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.8	52.2#
89	1.2	58.5	87.7#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

Instrument :

BNA_F

ClientSampleId :

CR-SOIL-PILE

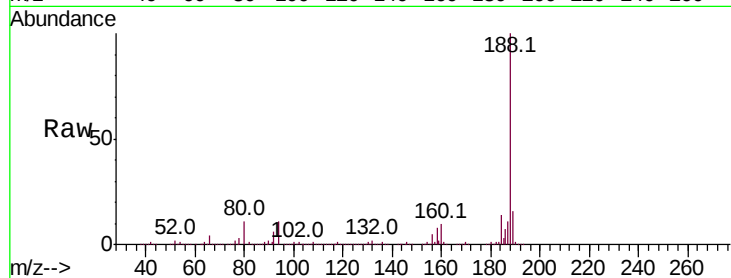
Tot Ion:188 Resp: 980858

Ion Ratio Lower Upper

188 100

94 10.9 8.6 13.0

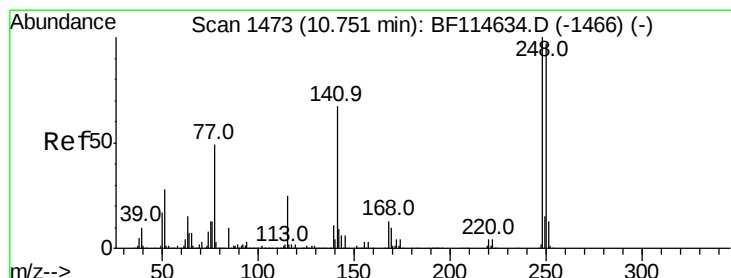
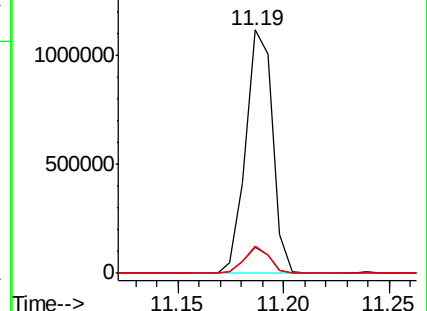
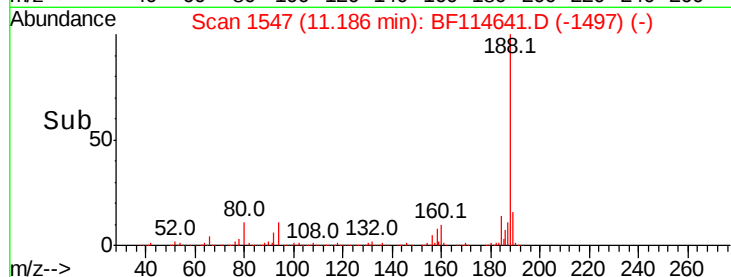
80 11.2 9.0 13.6



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



#67

4-Bromophenyl-phenylether

Concen: 3.894 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.25 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

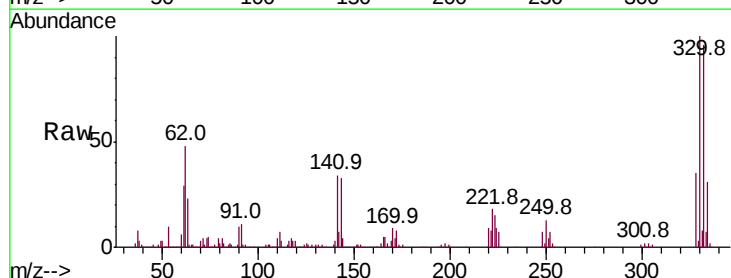
Tgt Ion:248 Resp: 40957

Ion Ratio Lower Upper

248 100

250 197.3 78.0 117.0#

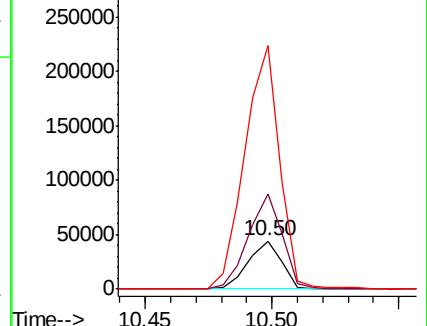
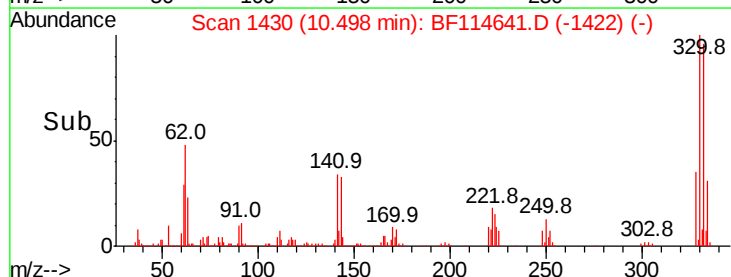
141 504.0 53.8 80.8#

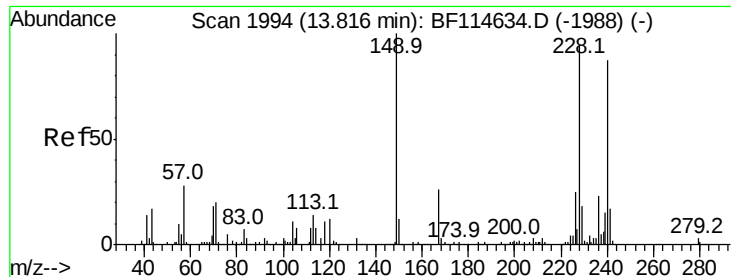


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

Instrument :

BNA_F

ClientSampleId :

CR-SOIL-PILE

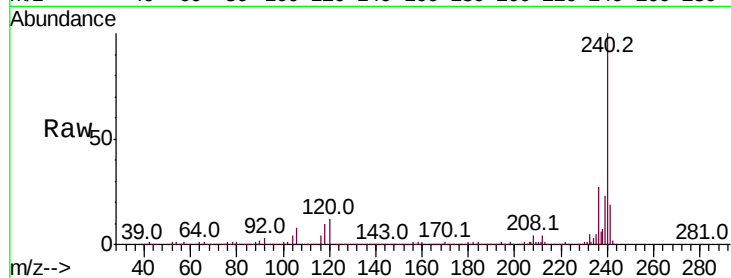
Tot Ion:240 Resp: 843480

Ion Ratio Lower Upper

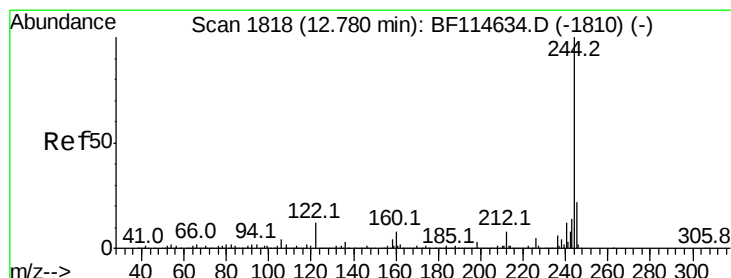
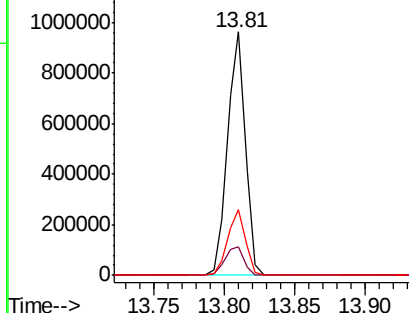
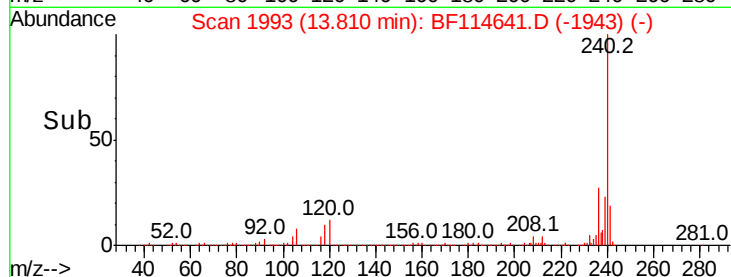
240 100

120 11.6 11.2 16.8

236 26.9 21.2 31.8



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: 63.072 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

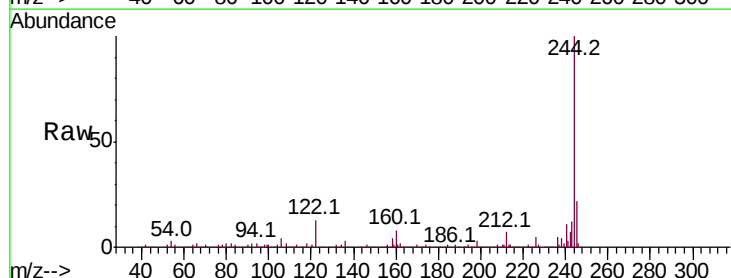
Tgt Ion:244 Resp: 2829569

Ion Ratio Lower Upper

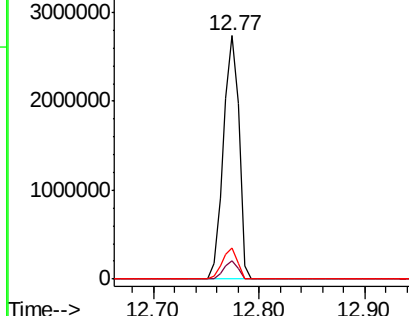
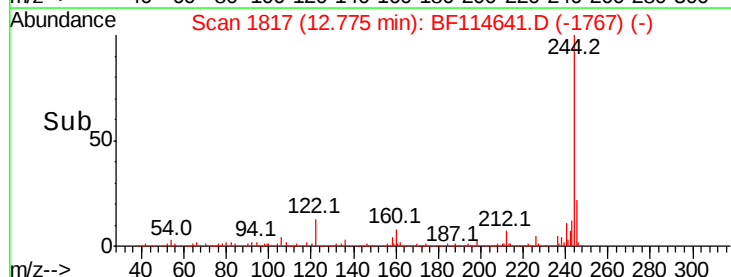
244 100

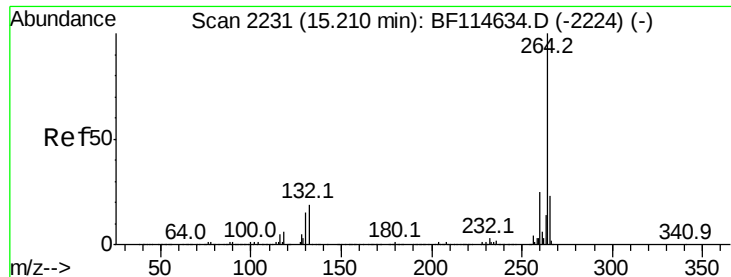
212 7.4 6.1 9.1

122 13.0 9.8 14.8



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BF114641.D

Acq: 29 May 2019 19:10

Instrument :

BNA_F

ClientSampleId :

CR-SOIL-PILE

Tot Ion:264 Resp: 867370

Ion Ratio Lower Upper

264 100

260 24.4 19.7 29.5

265 21.9 18.1 27.1

