

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040216\
 Data File : BF085979.D
 Acq On : 1 Apr 2016 23:41
 Operator : UM/SJ
 Sample : H1824-03
 Misc : LOD 1PPM
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Quant Time: Apr 02 01:13:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

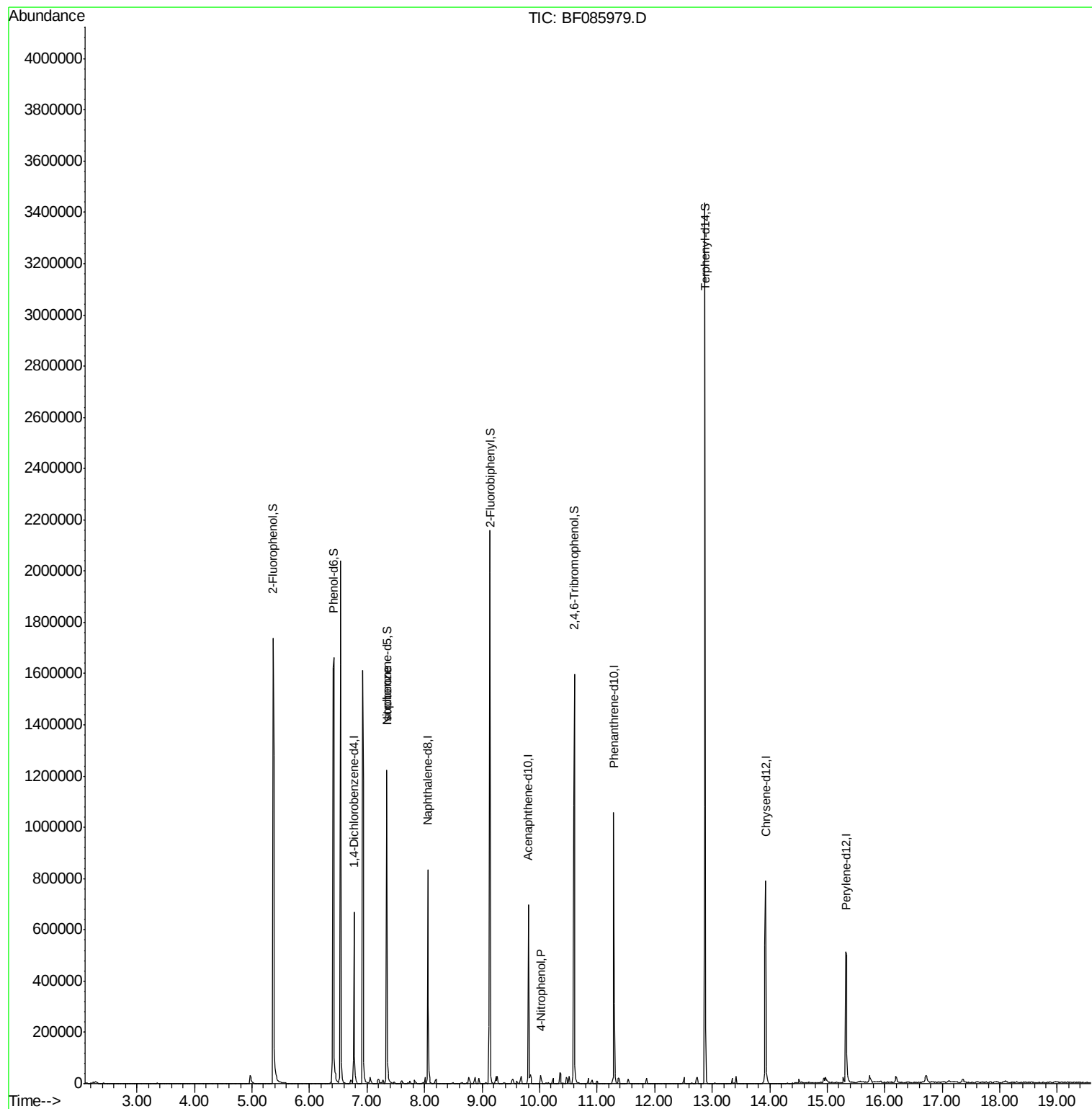
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	106199	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	416393	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	187970	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	389206	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	343299	20.00	ng	0.00
86) Perylene-d12	15.33	264	295413	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	745296	119.96	ng	0.00
7) Phenol-d6	6.42	99	980583	124.26	ng	0.00
23) Nitrobenzene-d5	7.34	82	598002	84.69	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	279945	158.67	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1057347	93.53	ng	0.00
78) Terphenyl-d14	12.88	244	1088733	74.55	ng	0.00
Target Compounds						
25) Isophorone	7.34	82	594130	42.63	ng	# 68
55) 4-Nitrophenol	10.02	139	6530	3.12	ng	# 10

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

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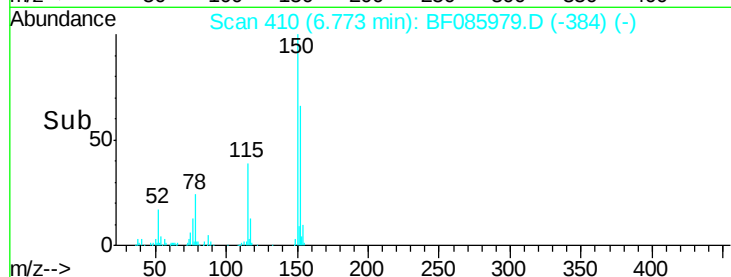
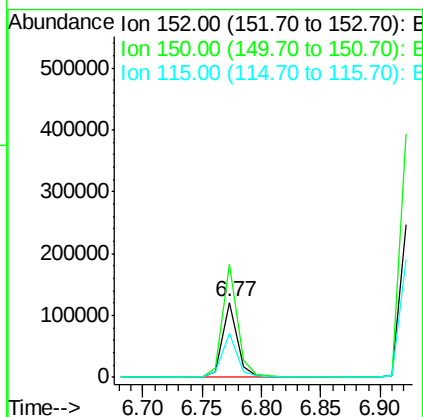
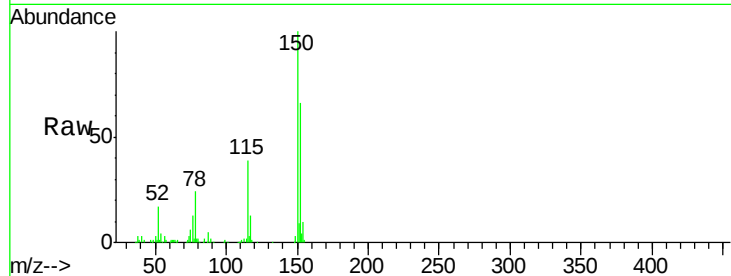


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. 0.00 min
Lab File: BF085979.D
Acq: 1 Apr 2016 23:41

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01

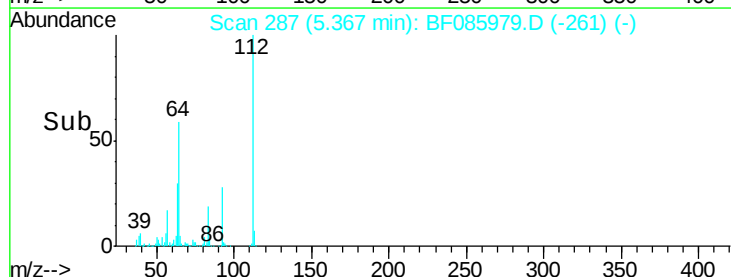
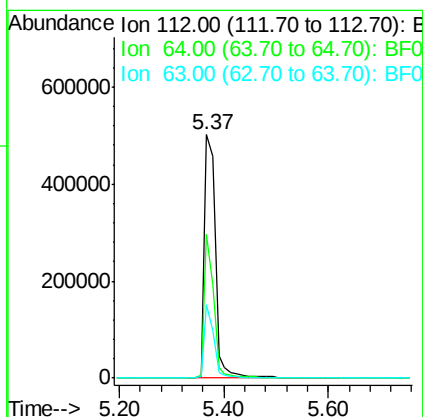
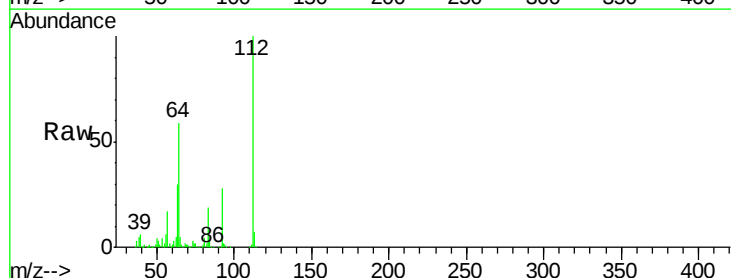
Tot Ion:152 Resp: 106199
Ion Ratio Lower Upper
152 100
150 151.8 124.2 186.2
115 59.5 47.0 70.6



#5

2-Fluorophenol
Concen: 119.96 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF085979.D
Acq: 1 Apr 2016 23:41

Tgt Ion:112 Resp: 745296
Ion Ratio Lower Upper
112 100
64 59.2 39.9 59.9
63 30.3 20.2 30.2#





#7

Phenol-d6

Concen: 124.26 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF085979.D

Acq: 1 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

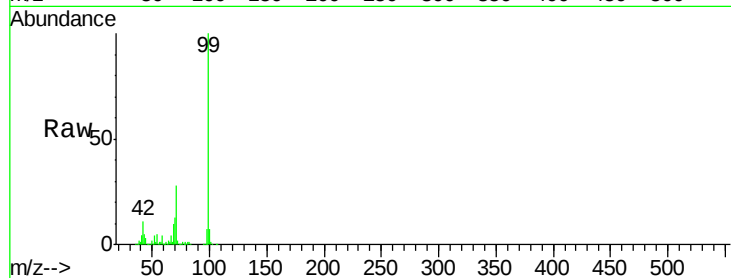
Tot Ion: 99 Resp: 980583

Ion Ratio Lower Upper

99 100

42 10.9 11.1 16.7#

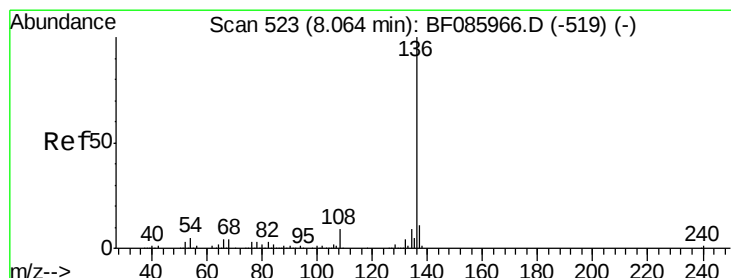
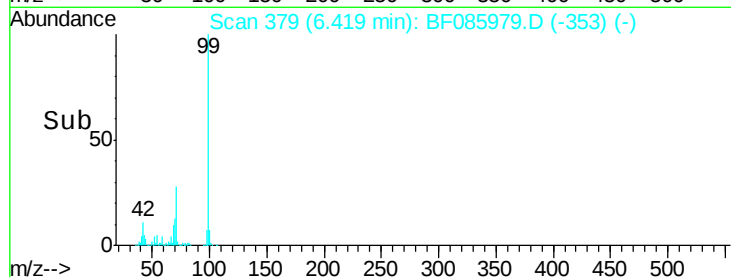
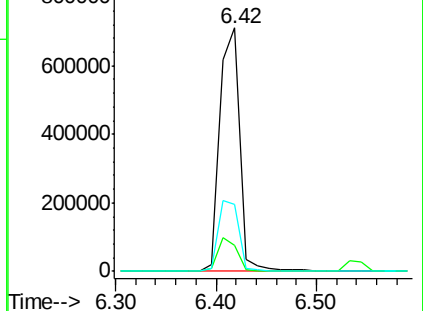
71 27.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085979.D

Acq: 1 Apr 2016 23:41

Tgt Ion: 136 Resp: 416393

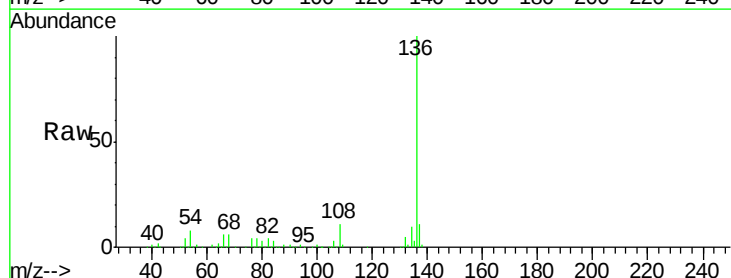
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.0 7.4 11.0

68 6.4 5.8 8.8

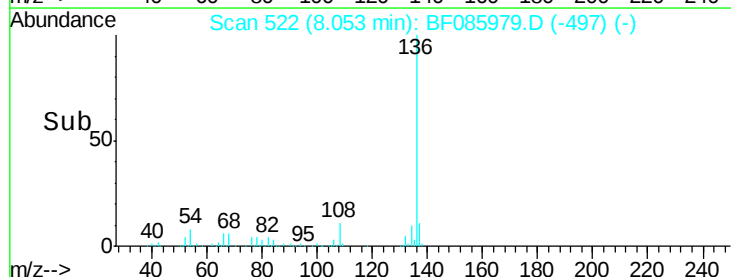
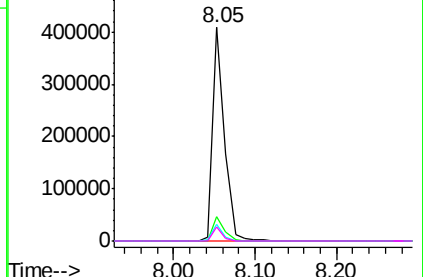


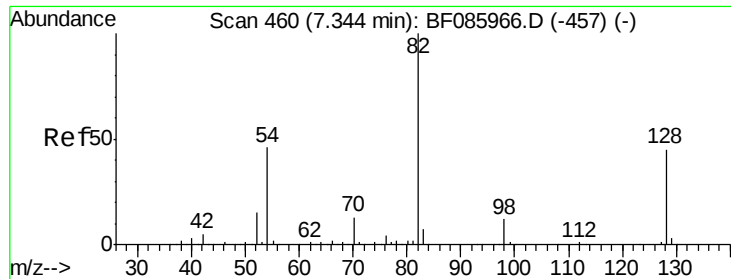
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

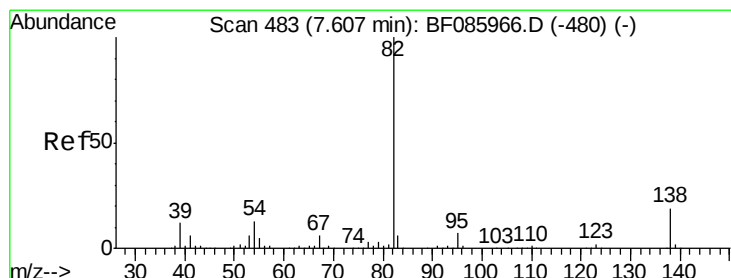
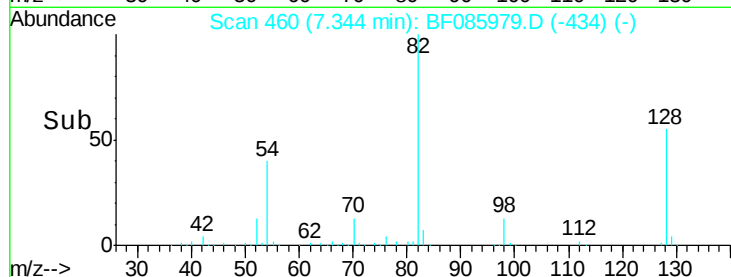
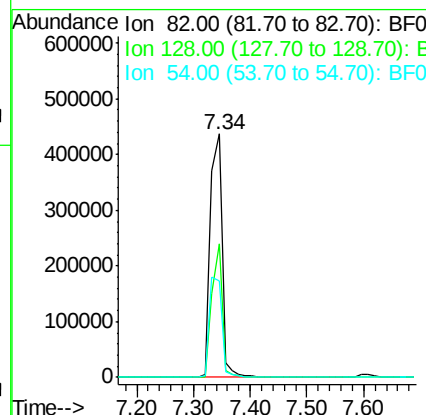
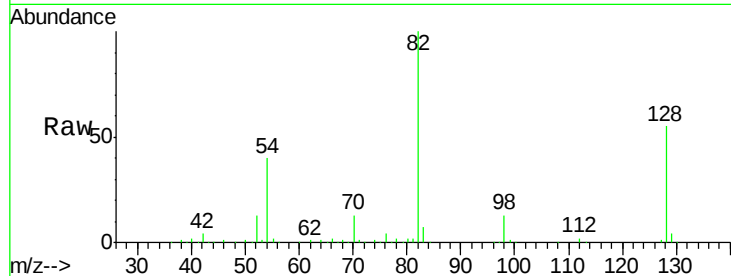




#23
 Nitrobenzene-d5
 Concen: 84.69 ng
 RT: 7.34 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF085979.D
 Acq: 1 Apr 2016 23:41

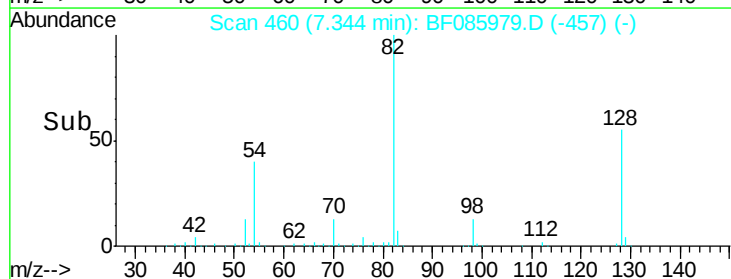
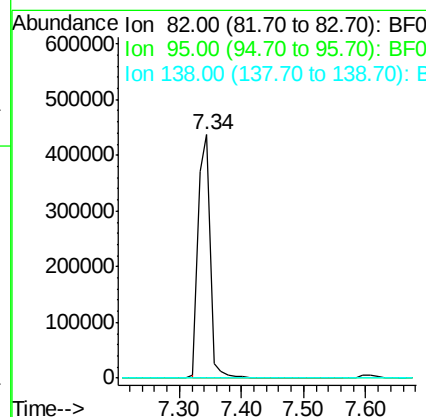
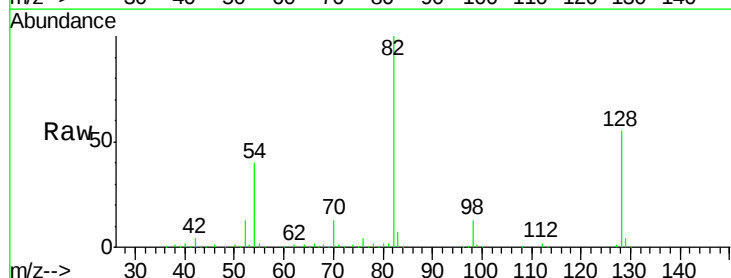
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

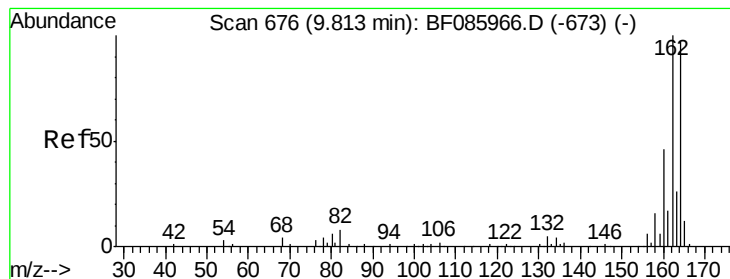
Tot Ion: 82 Resp: 598002
 Ion Ratio Lower Upper
 82 100
 128 55.1 41.8 62.8
 54 39.8 33.4 50.0



#25
 Isophorone
 Concen: 42.63 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.26 min
 Lab File: BF085979.D
 Acq: 1 Apr 2016 23:41

Tgt Ion: 82 Resp: 594130
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 12.9 19.3#

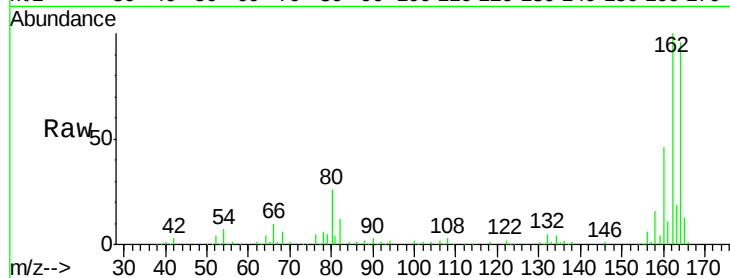




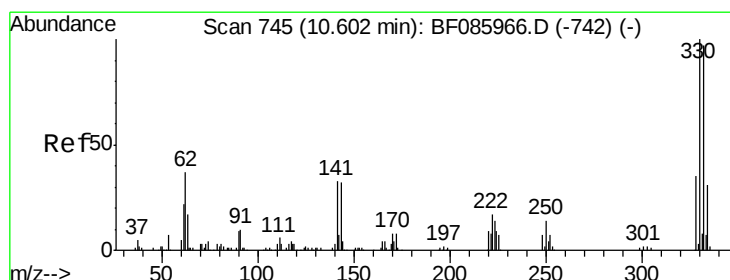
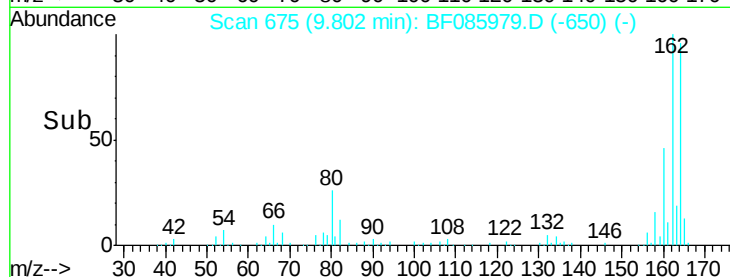
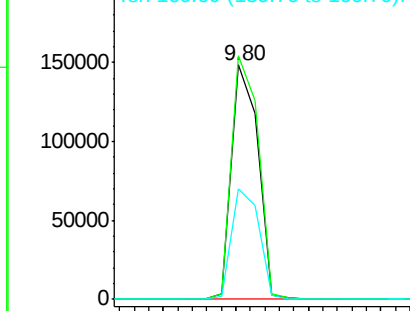
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF085979.D
 Acq: 1 Apr 2016 23:41

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Tot Ion:164 Resp: 187970
 Ion Ratio Lower Upper
 164 100
 162 104.0 82.1 123.1
 160 47.4 37.4 56.2

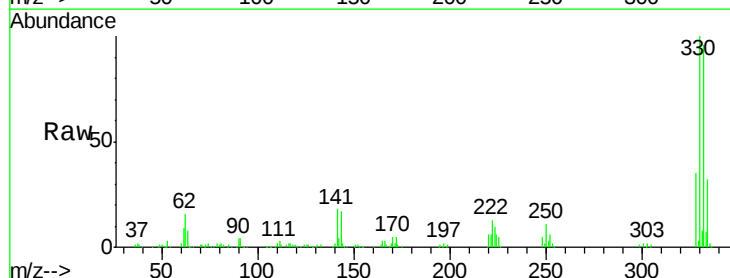


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

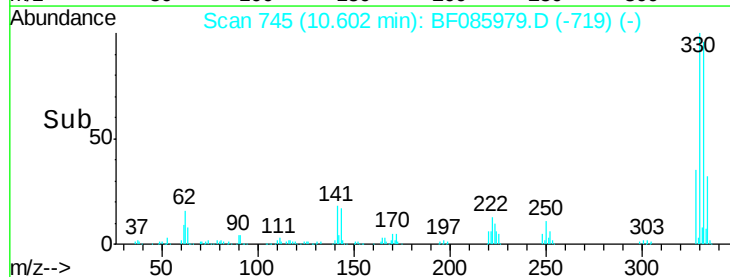
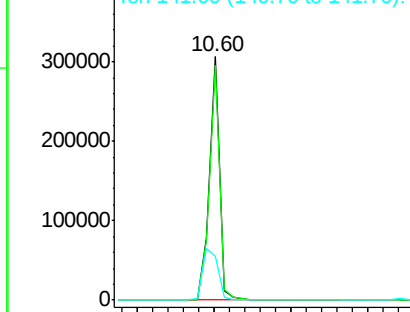


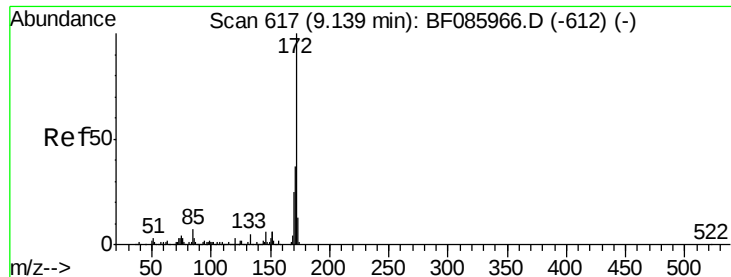
#41
 2,4,6-Tribromophenol
 Concen: 158.67 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF085979.D
 Acq: 1 Apr 2016 23:41

Tgt Ion:330 Resp: 279945
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.2 117.2
 141 31.3 31.5 47.3#



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





#44

2-Fluorobiphenyl

Concen: 93.53 ng

RT: 9.14 min Scan# 617

Delta R.T. 0.00 min

Lab File: BF085979.D

Acq: 1 Apr 2016 23:41

Instrument :

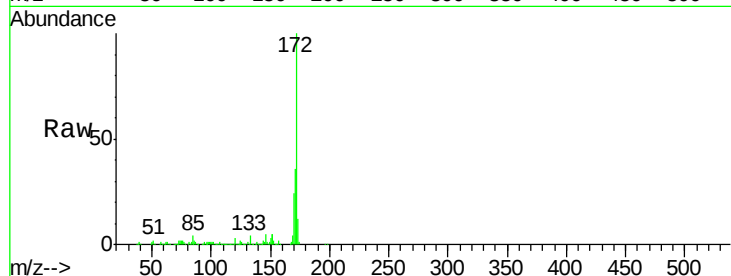
BNA_F

ClientSampleId :

LOD-SOIL2016-01

Tot Ion:172 Resp: 1057347

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.2
170	24.0	19.8	29.6

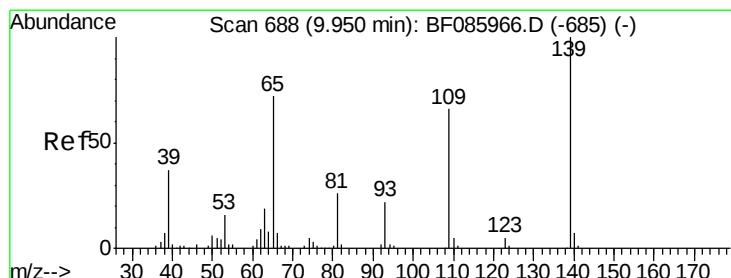
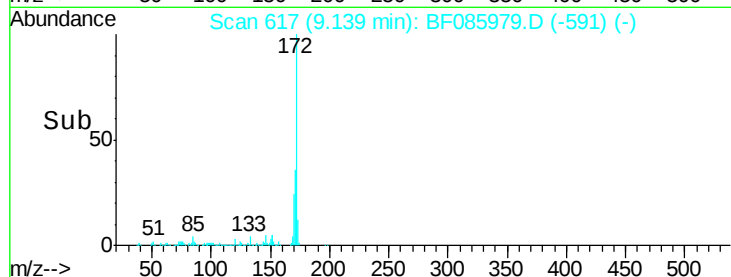
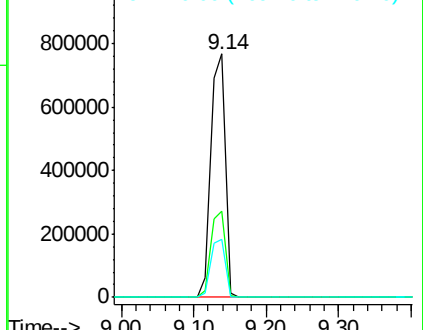


Abundance

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



#55

4-Nitrophenol

Concen: 3.12 ng

RT: 10.02 min Scan# 694

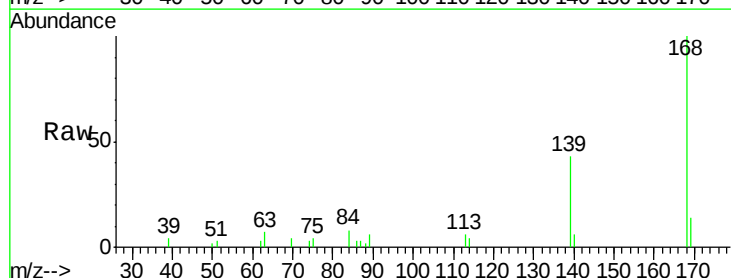
Delta R.T. 0.07 min

Lab File: BF085979.D

Acq: 1 Apr 2016 23:41

Tgt Ion:139 Resp: 6530

Ion	Ratio	Lower	Upper
139	100		
109	0.0	49.2	89.2#
65	0.0	66.9	106.9#

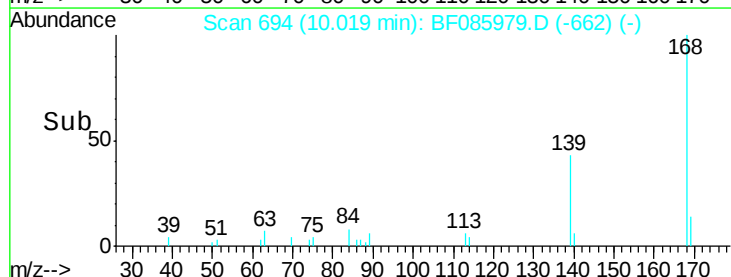
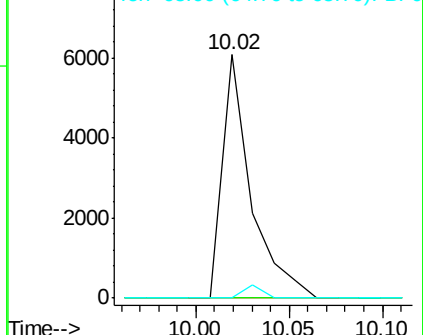


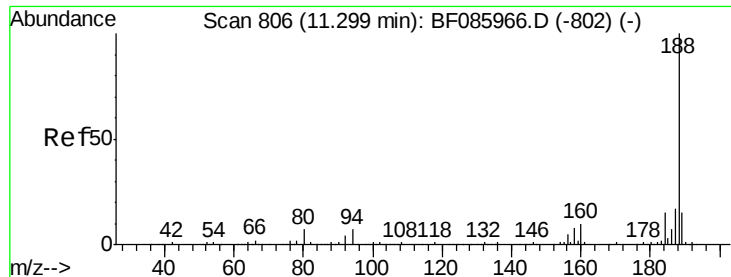
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

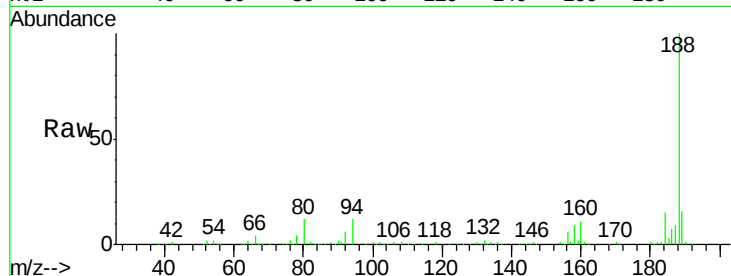




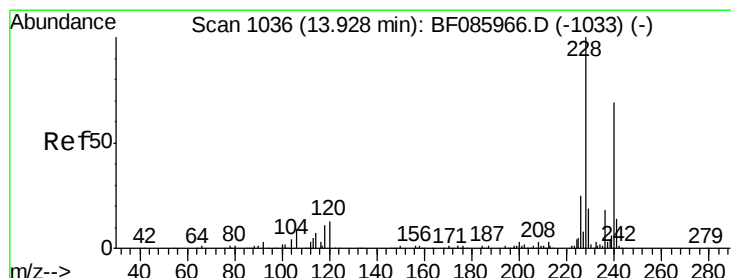
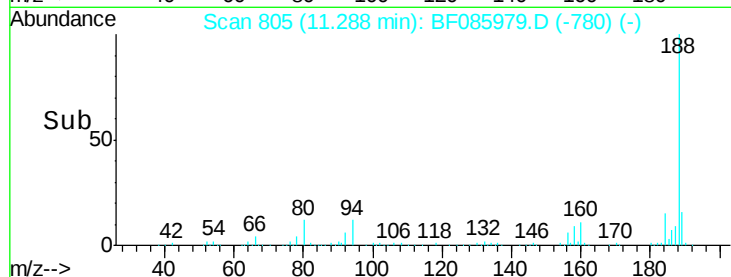
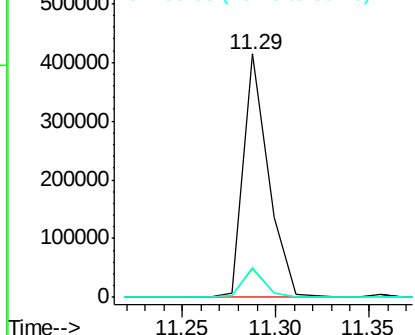
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF085979.D
Acq: 1 Apr 2016 23:41

Instrument :
BNA_F
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LOD-SOIL2016-01

Tot Ion:188 Resp: 389206
Ion Ratio Lower Upper
188 100
94 11.8 5.4 8.0#
80 12.4 5.5 8.3#

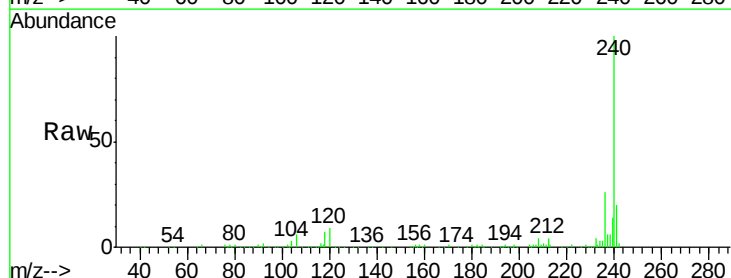


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

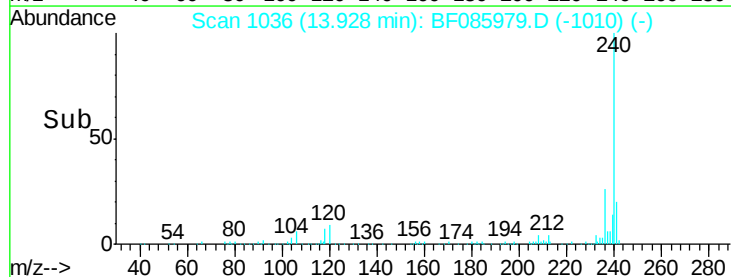
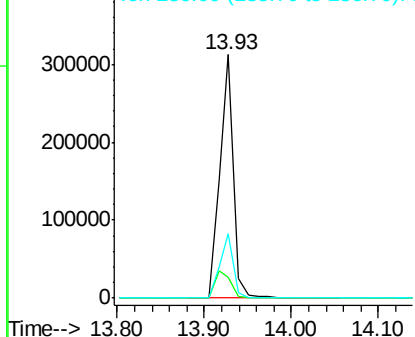


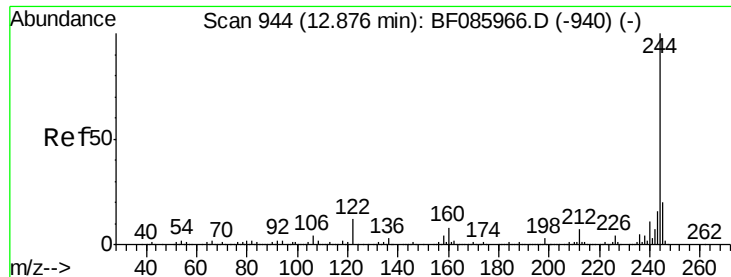
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF085979.D
Acq: 1 Apr 2016 23:41

Tgt Ion:240 Resp: 343299
Ion Ratio Lower Upper
240 100
120 8.8 13.8 20.8#
236 26.4 20.6 30.8



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





#78

Terphenyl-d14

Concen: 74.55 ng

RT: 12.88 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF085979.D

Acq: 1 Apr 2016 23:41

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01

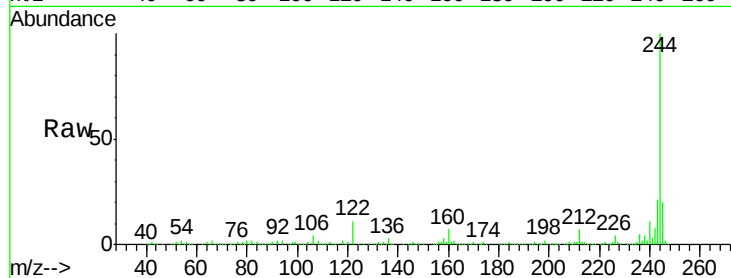
Tot Ion:244 Resp: 1088733

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

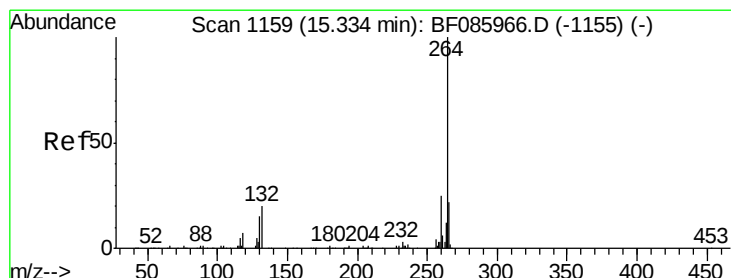
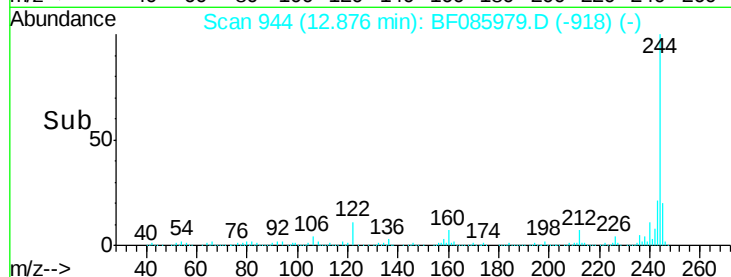
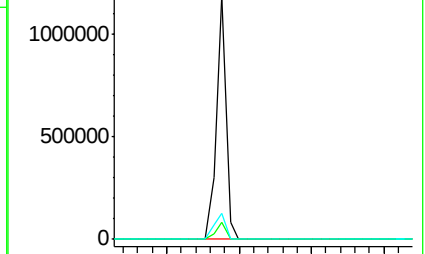
122 10.9 10.2 15.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF085979.D

Acq: 1 Apr 2016 23:41

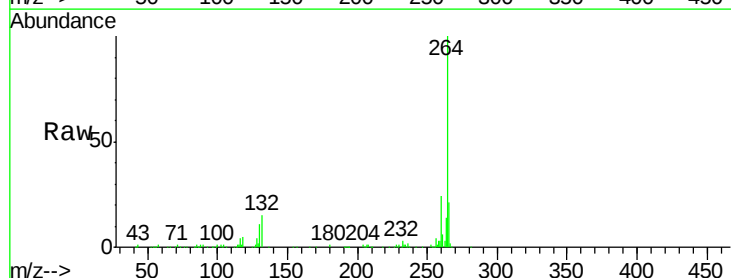
Tgt Ion:264 Resp: 295413

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 21.4 17.2 25.8



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

