

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
 Data File : BF090387.D
 Acq On : 5 Oct 2016 18:45
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD 8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Oct 06 01:38:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	251339	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1058191	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	539158	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	826142	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	669311	20.00	ng	-0.01
86) Perylene-d12	15.70	264	496063	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	1883358	111.83	ng	0.01
7) Phenol-d6	6.62	99	2290203	103.83	ng	0.00
23) Nitrobenzene-d5	7.56	82	1625995	74.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	531455	121.22	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2647634	81.82	ng	-0.01
78) Terphenyl-d14	13.14	244	2556597	85.87	ng	0.00

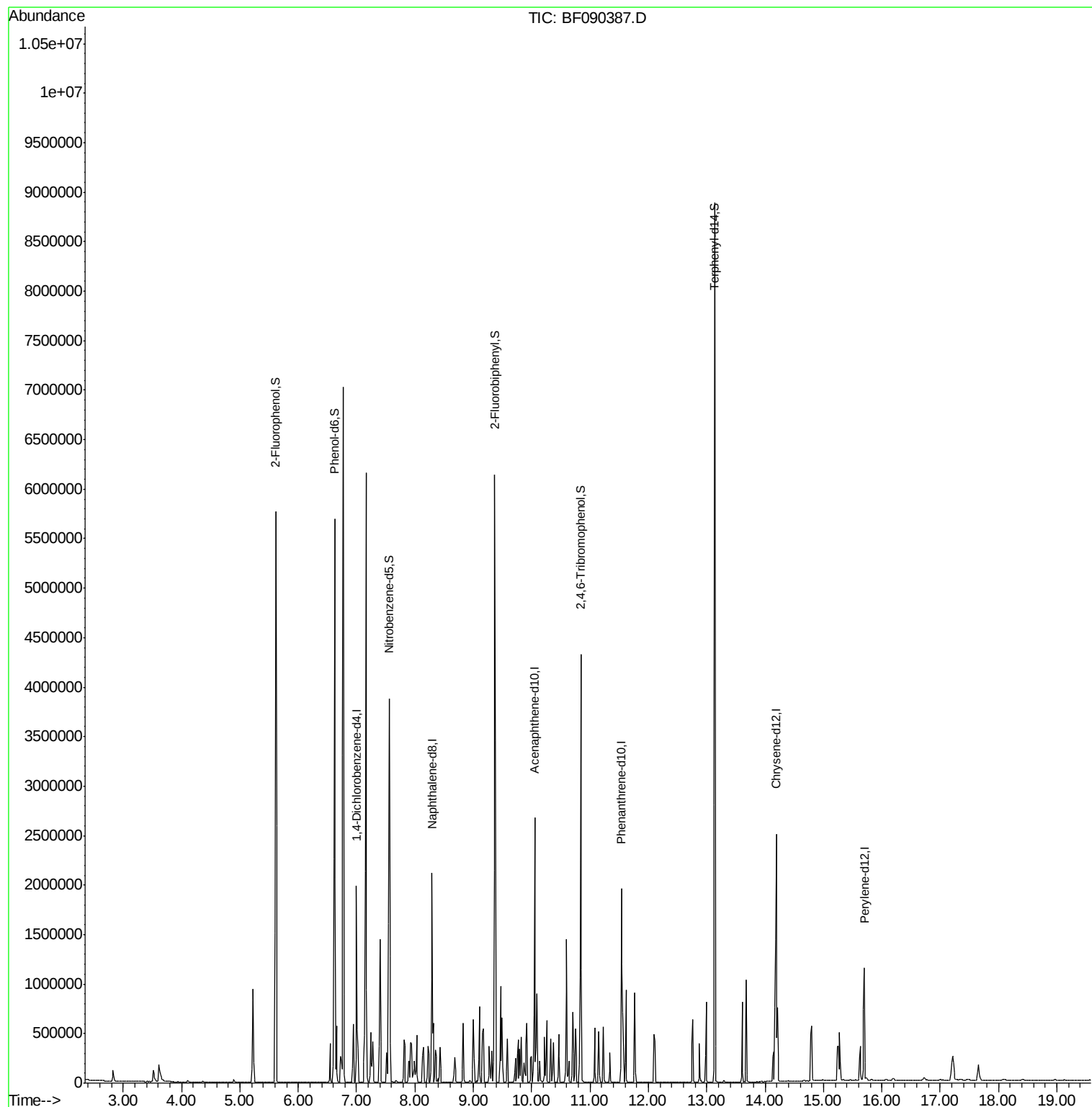
Target Compounds	Qvalue
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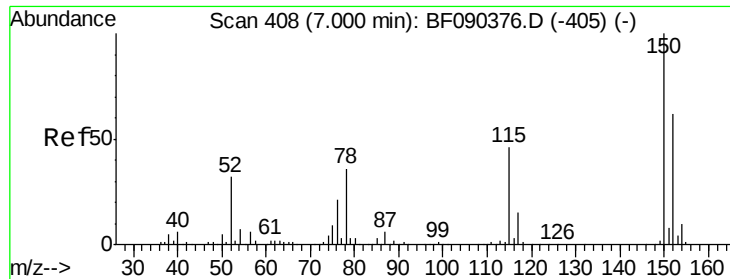
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090387.D

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Instrument :

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ClientSampleId :

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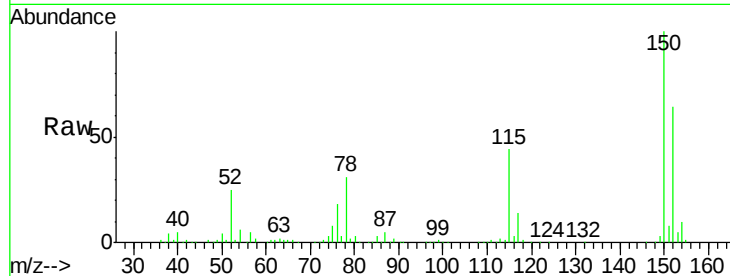
Tot Ion:152 Resp: 251339

Ion Ratio Lower Upper

152 100

150 155.8 124.6 186.8

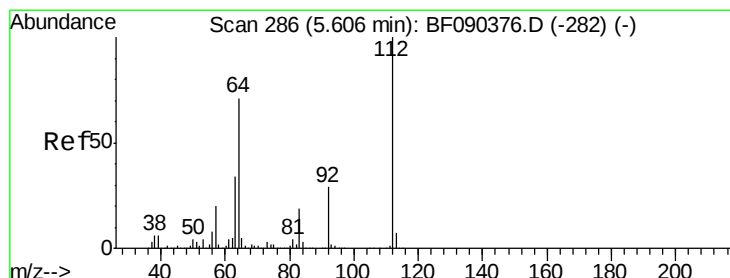
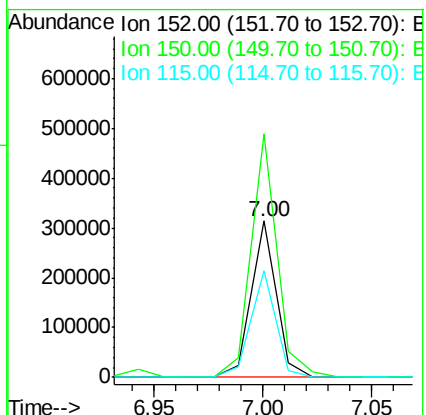
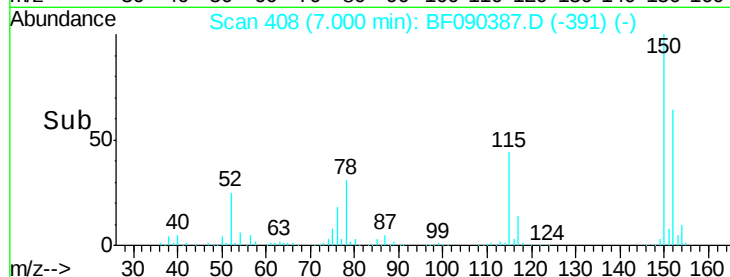
115 68.0 46.2 69.4



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: 111.83 ng

RT: 5.62 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

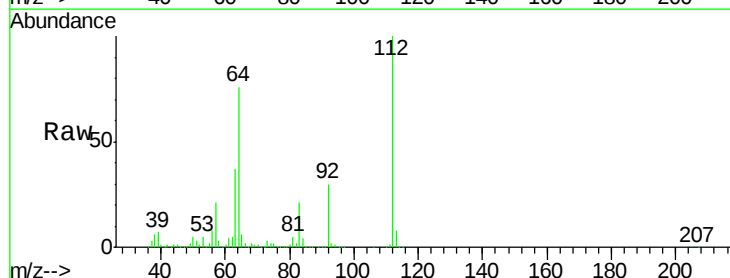
Tgt Ion:112 Resp: 1883358

Ion Ratio Lower Upper

112 100

64 75.9 57.9 86.9

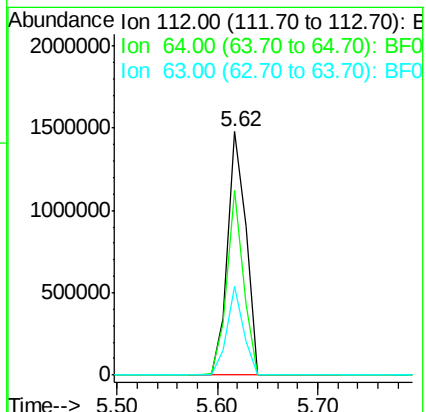
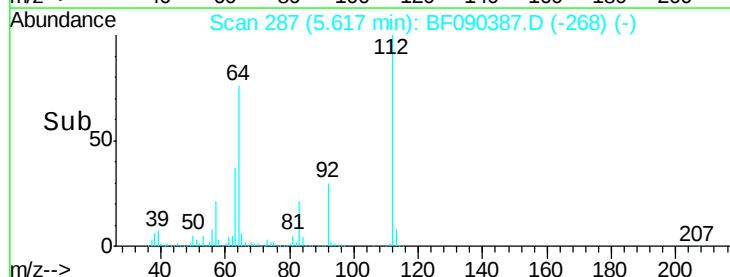
63 36.5 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.83 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

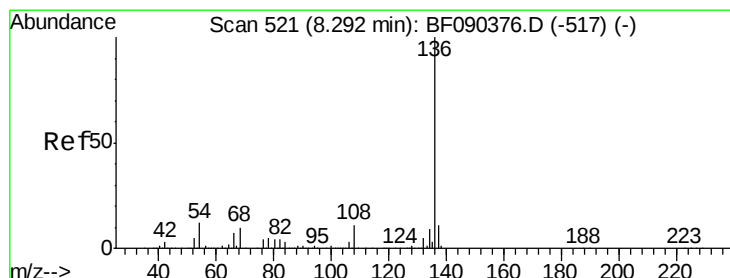
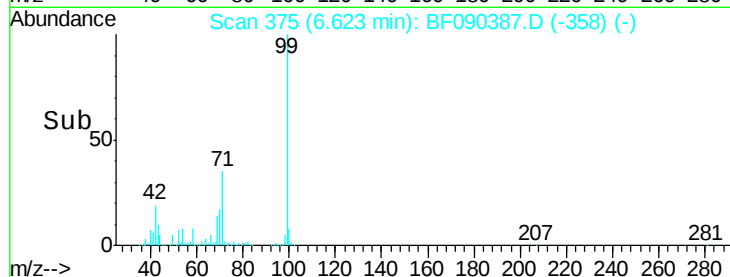
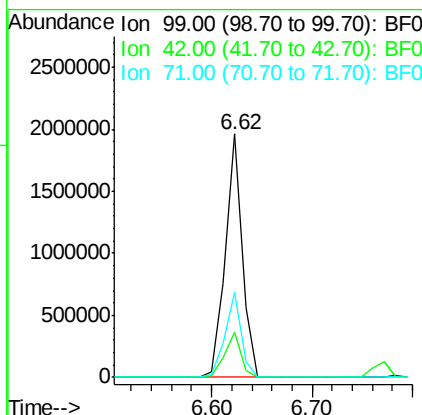
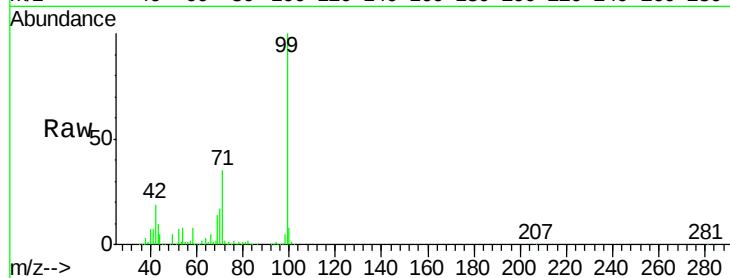
BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tot Ion: 99 Resp: 2290203

Ion	Ratio	Lower	Upper
99	100		
42	18.6	20.0	30.0#
71	34.9	27.9	41.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

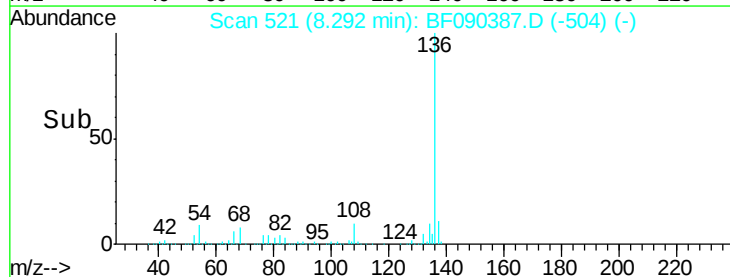
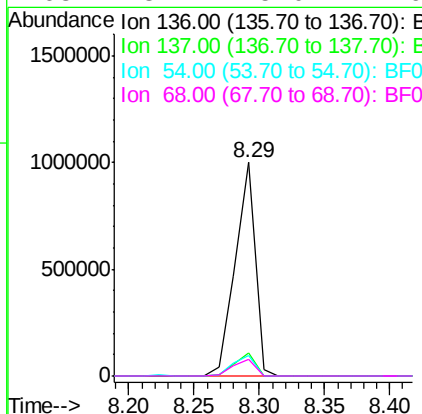
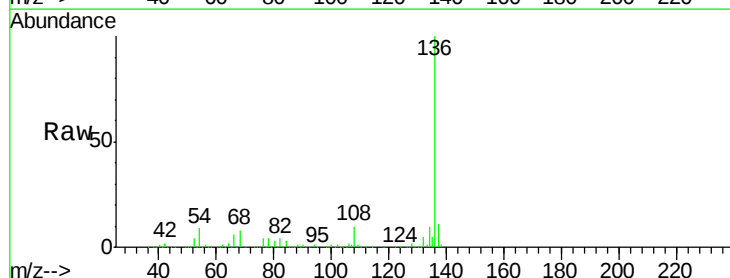
Delta R.T. -0.00 min

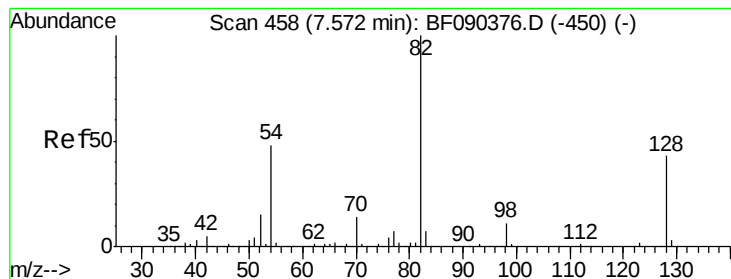
Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Tgt Ion: 136 Resp: 1058191

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.5	6.6	10.0
68	8.1	5.0	7.6#





#23

Nitrobenzene-d5

Concen: 74.74 ng

RT: 7.56 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

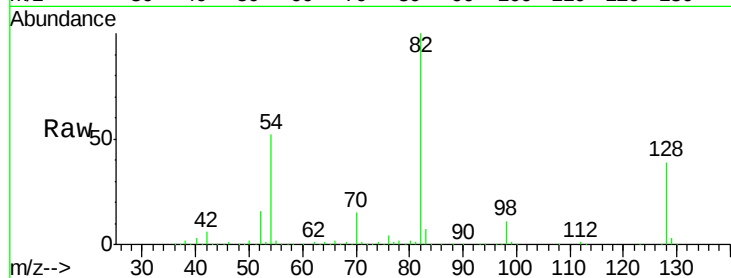
Tot Ion: 82 Resp: 1625995

Ion Ratio Lower Upper

82 100

128 39.2 40.0 60.0#

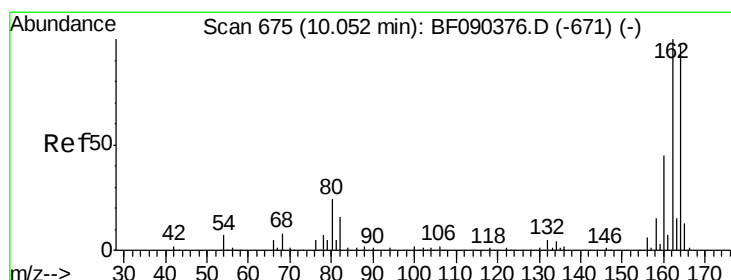
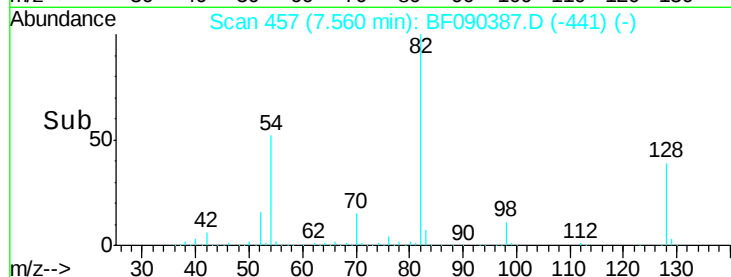
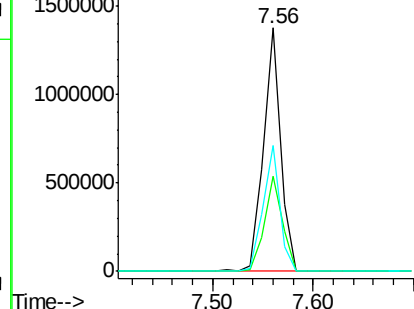
54 51.5 42.6 64.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.05 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

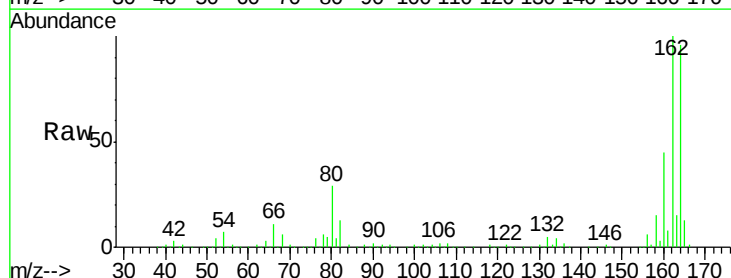
Tgt Ion:164 Resp: 539158

Ion Ratio Lower Upper

164 100

162 104.0 80.1 120.1

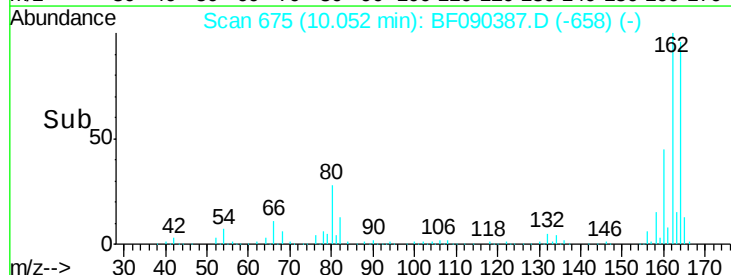
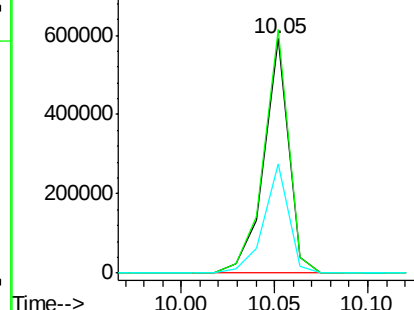
160 46.9 36.3 54.5

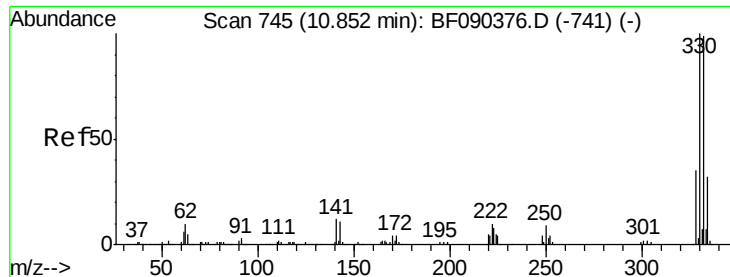


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

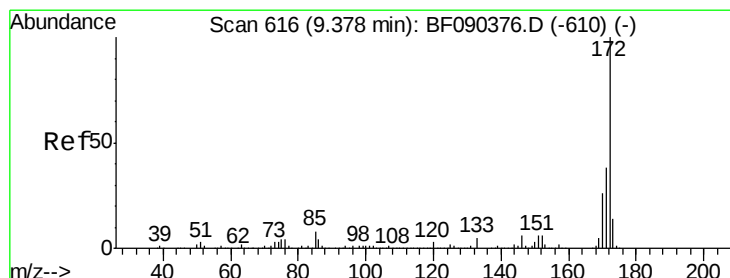
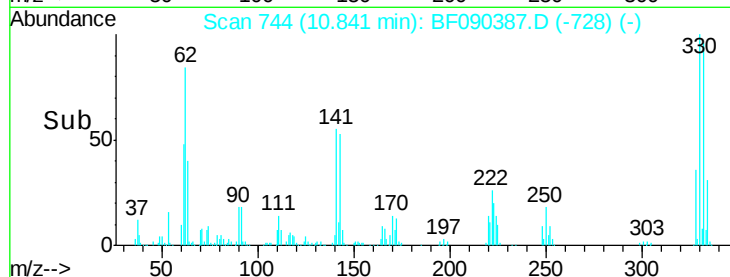
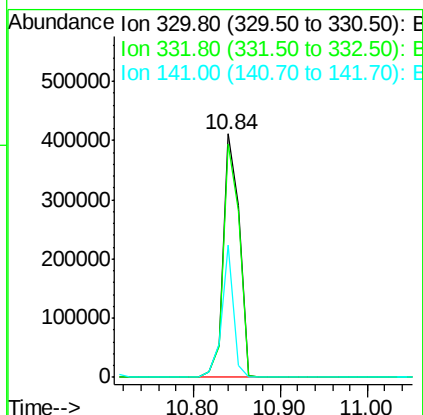
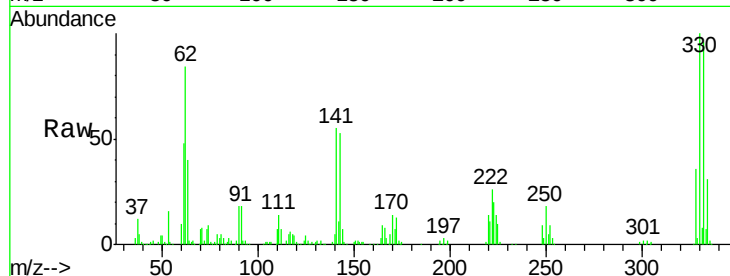




#41
 2,4,6-Tribromophenol
 Concen: 121.22 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

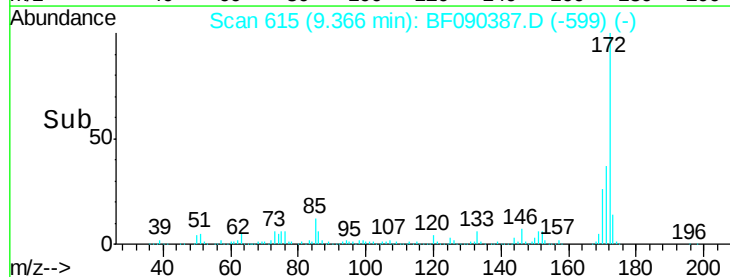
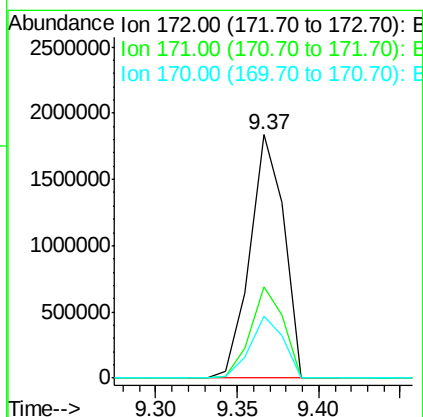
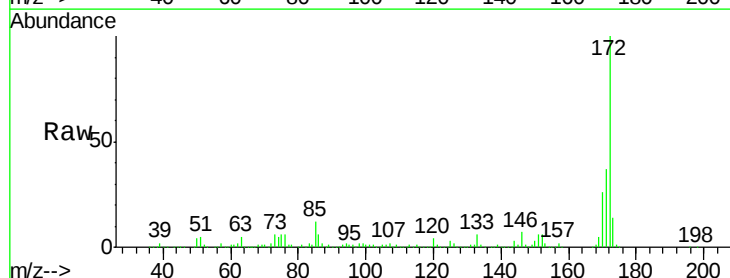
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

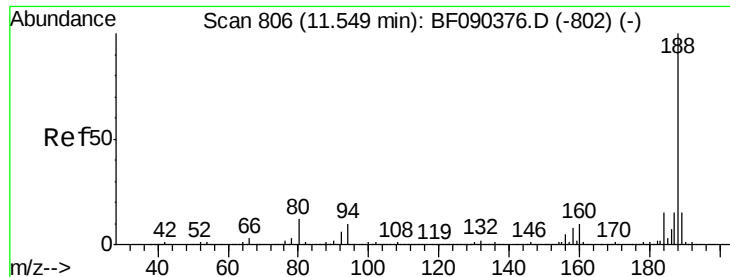
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.4	113.0
141	40.4	26.9	40.3#



#44
 2-Fluorobiphenyl
 Concen: 81.82 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	31.8	47.8
170	25.6	21.7	32.5

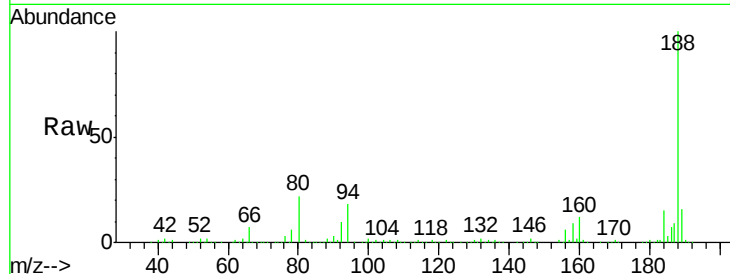




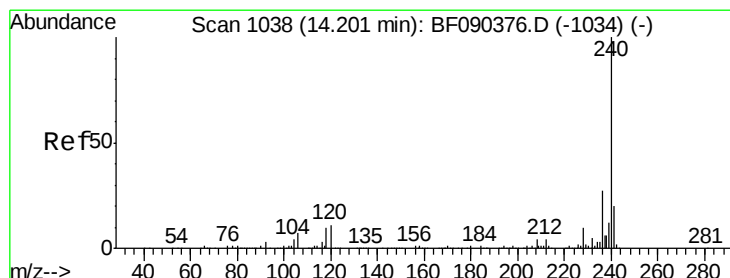
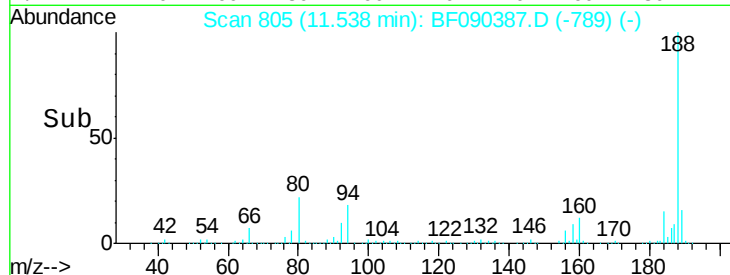
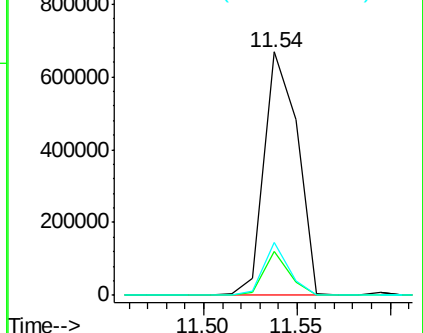
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tot Ion:188 Resp: 826142
Ion Ratio Lower Upper
188 100
94 17.9 8.2 12.2#
80 21.9 8.8 13.2#

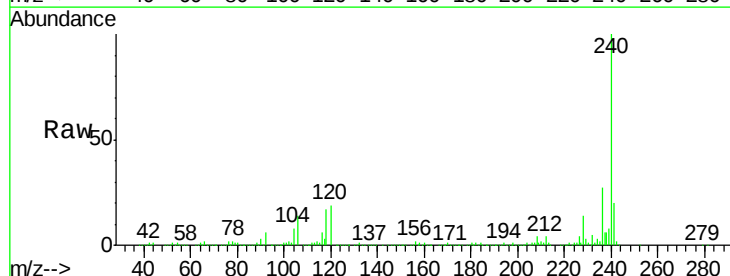


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

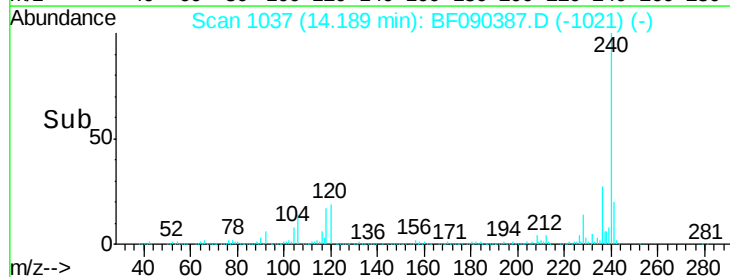
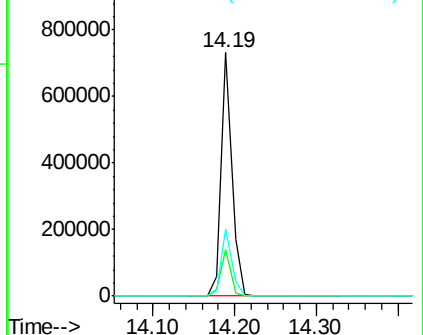


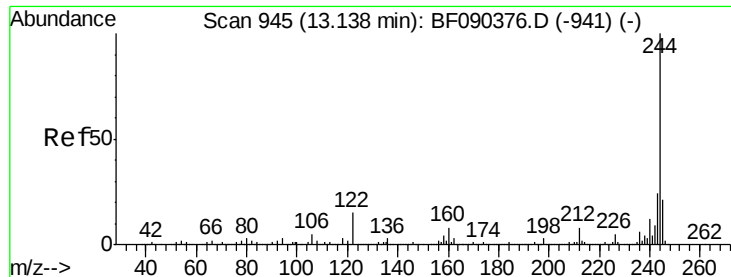
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:240 Resp: 669311
Ion Ratio Lower Upper
240 100
120 19.2 8.6 13.0#
236 27.4 21.6 32.4



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



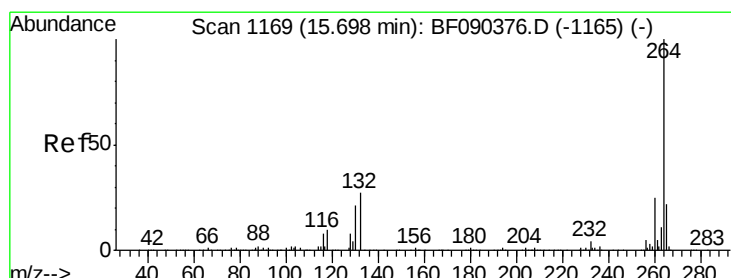
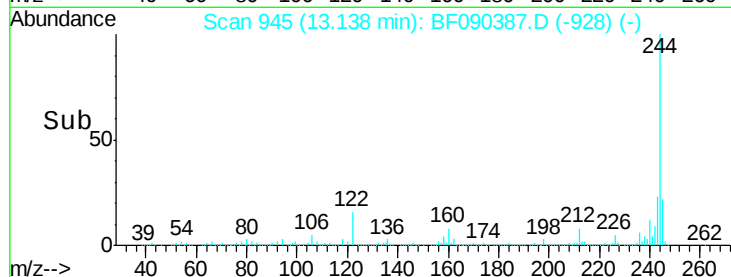
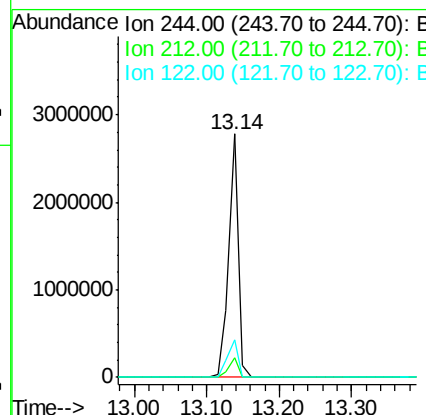
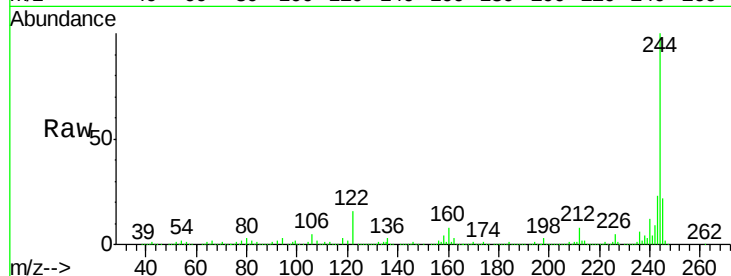


#78
 Terphenyl-d14
 Concen: 85.87 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tot Ion:244 Resp: 2556597

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.8	10.2
122	15.5	13.3	19.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.70 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:264 Resp: 496063

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	21.7	17.4	26.0

