Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091844.D
Acq On : 21 Dec 2016 20:13
Operator : UM/SJ
Sample : H6103-01
Misc : LOD 2PPM
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations APPROVED
sohil
12/22/2016 7:08:54 PM

Quant Time: Dec 22 03:15:48 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 16:17:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	262683	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	1099333	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	565388	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1016060	20.00	ng	0.00
75) Chrysene-d12	13.89	240	809892	20.00	ng	-0.01
86) Perylene-d12	15.29	264	716810	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	2194704	139.51	ng	0.02
7) Phenol-d6	6.40	99	2196139	114.34	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1448703	73.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	608948	130.14	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	2780445	103.58	ng	0.00
78) Terphenyl-d14	12.85	244	2115065	63.34	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.44	88	18109m	2.34	ng	
19) n-Nitroso-di-n-propylamine	7.16	70	24825	1.94	ng	# 95
40) Hexachlorocyclopentadiene	8.90	237	3669	4.53	ng	97
43) 2,4,5-Trichlorophenol	9.07	196	17120	1.67	ng	94

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

Quantitation Report (QT Reviewed)

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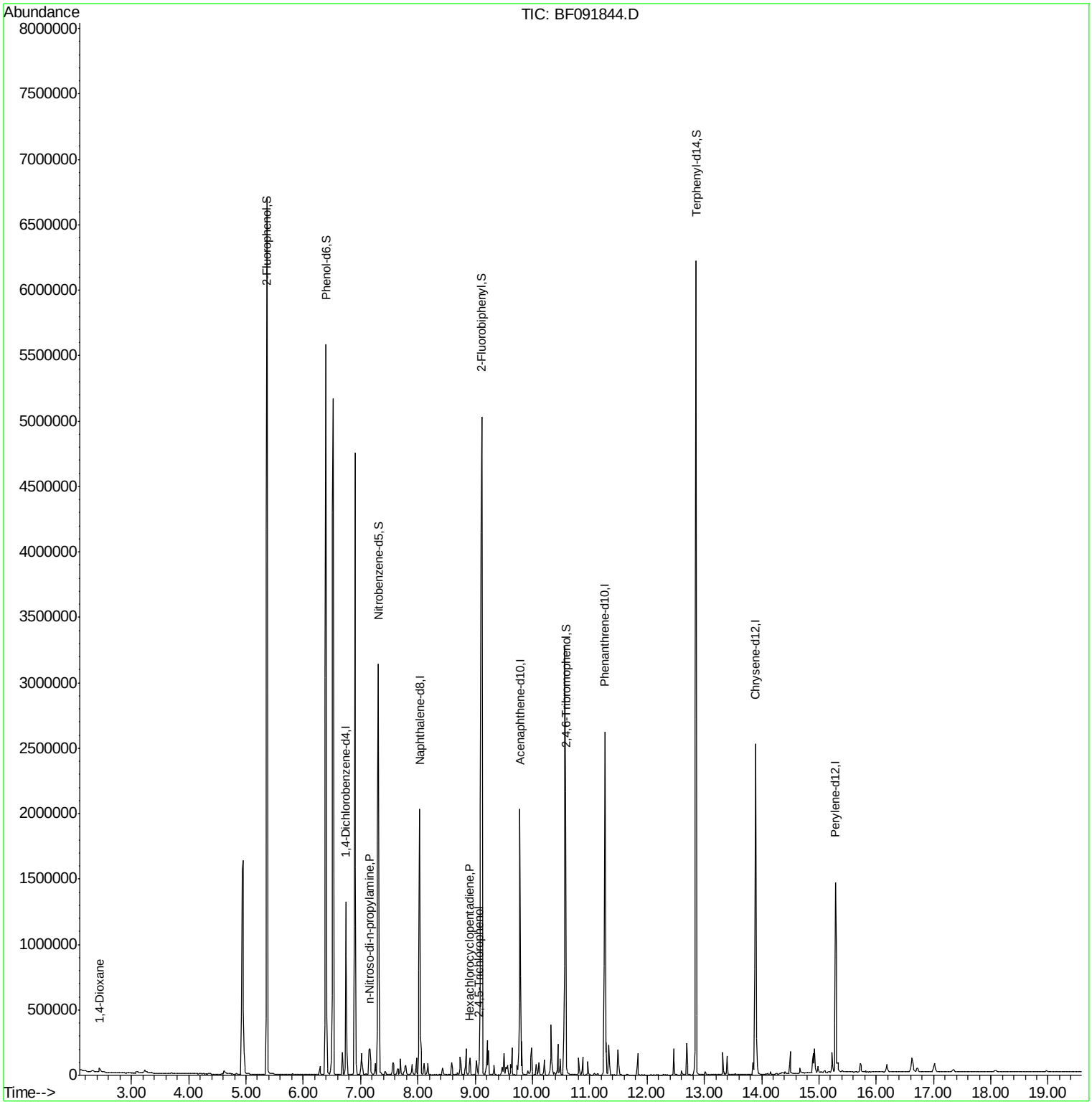
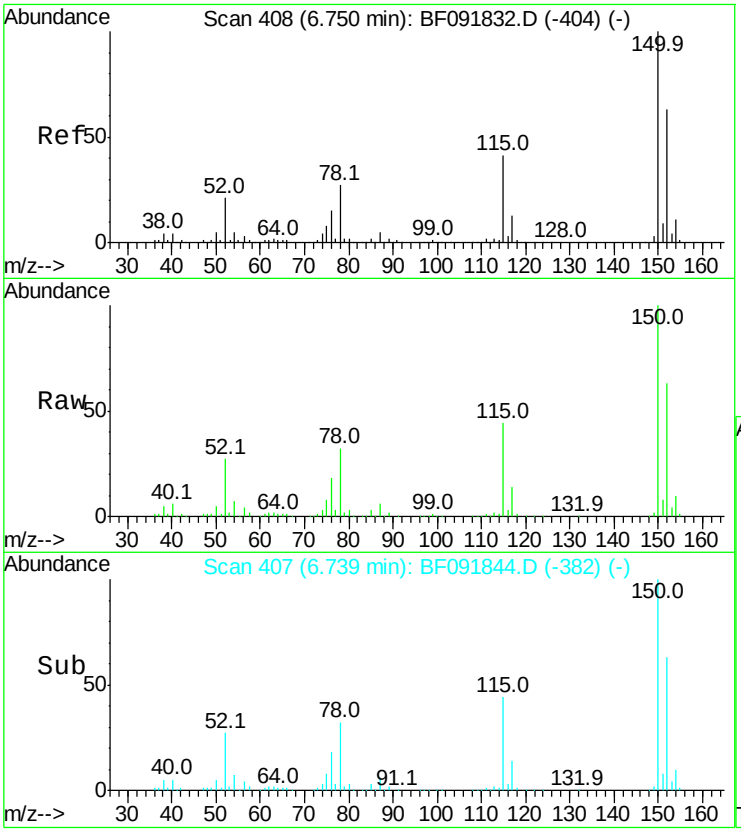
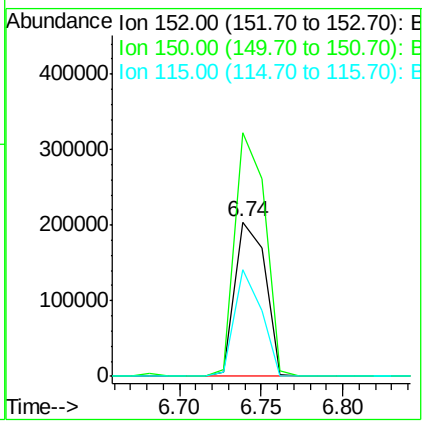




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:152 Resp: 262683

Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.9	187.3
115	68.7	46.0	69.0



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations APPROVED
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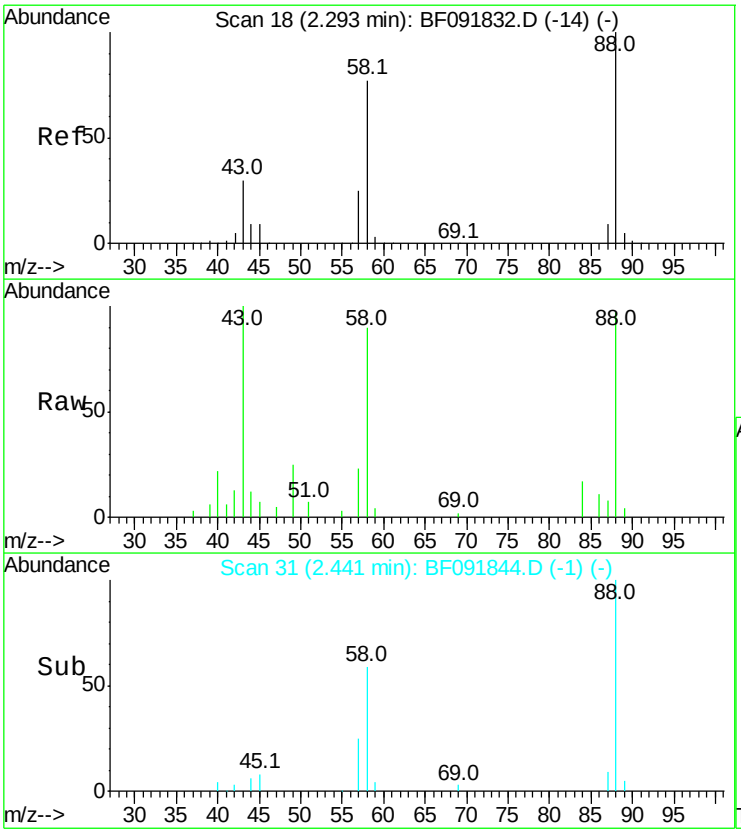
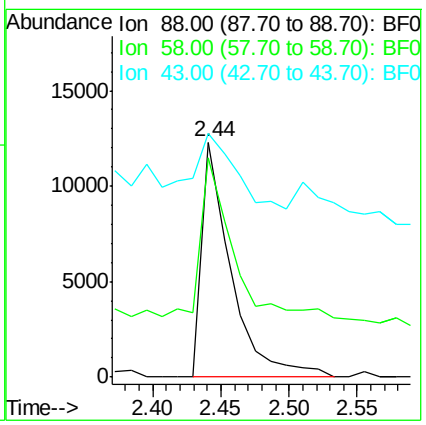
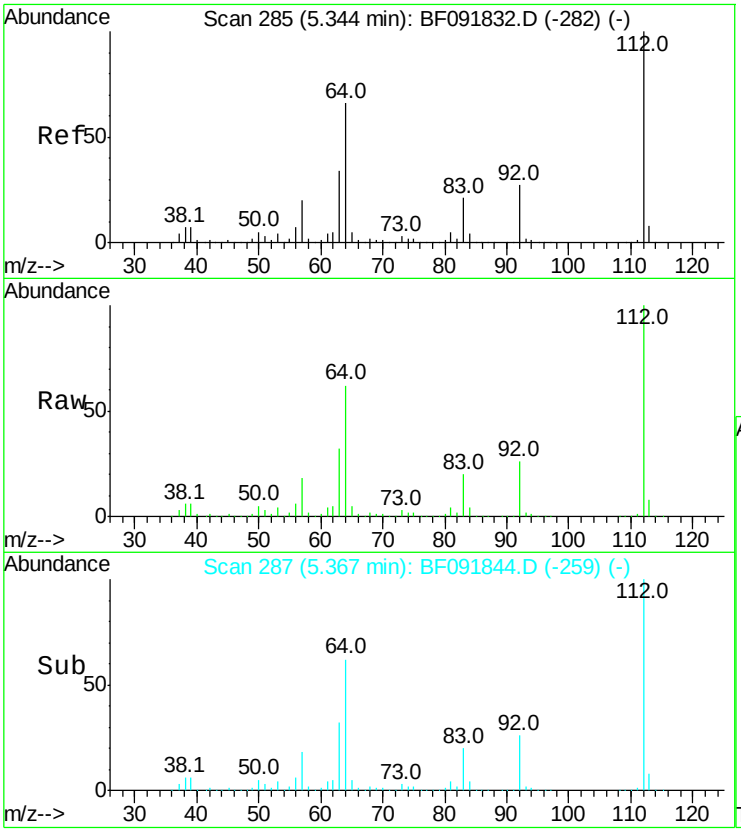


#2
1,4-Dioxane
Concen: 2.34 ng m
RT: 2.44 min Scan# 31
Delta R.T. 0.15 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion: 88 Resp: 18109

Ion	Ratio	Lower	Upper
88	100		
58	0.0	57.8	86.8#
43	0.0	22.3	33.5#

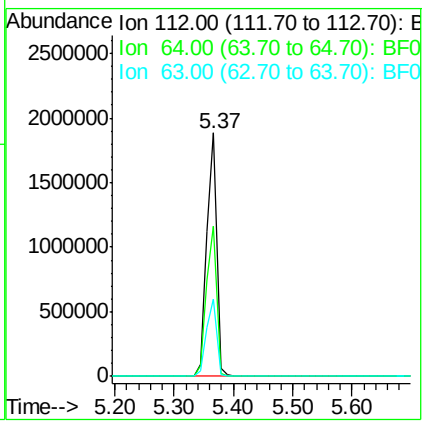




#5
2-Fluorophenol
Concen: 139.51 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.02 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:112 Resp: 2194704

Ion	Ratio	Lower	Upper
112	100		
64	61.7	46.1	69.1
63	31.9	23.8	35.6



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

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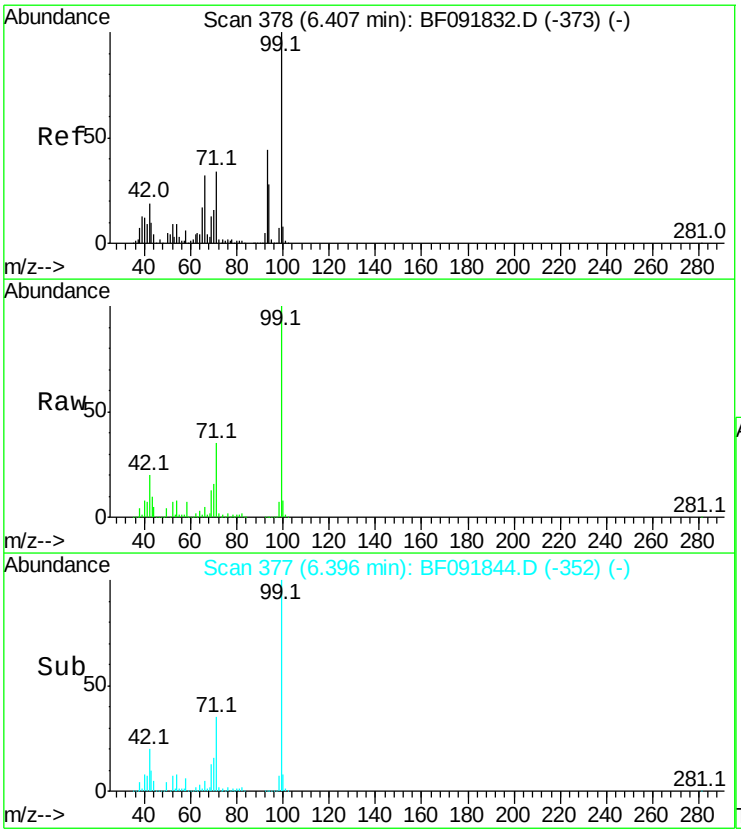
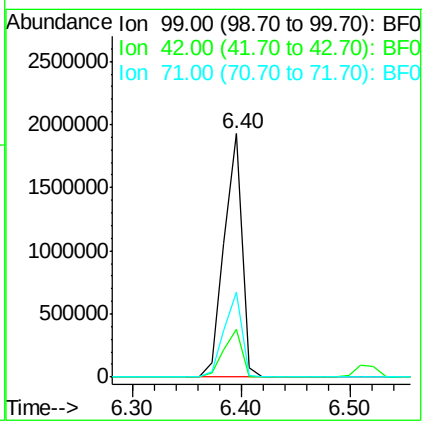
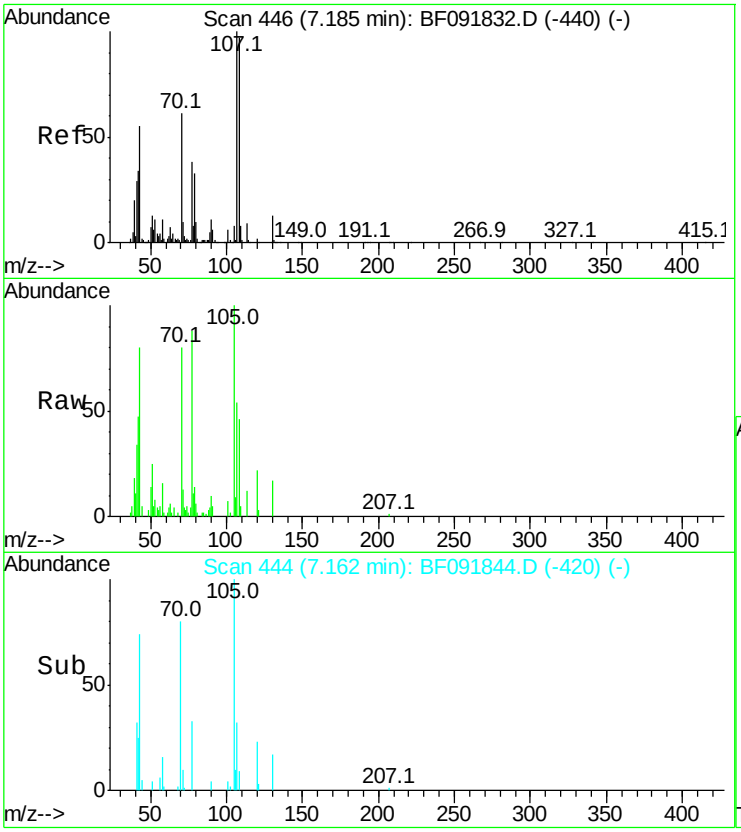


#7
Phenol-d6
Concen: 114.34 ng
RT: 6.40 min Scan# 377
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion: 99 Resp: 2196139

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.6	23.4
71	34.7	27.5	41.3

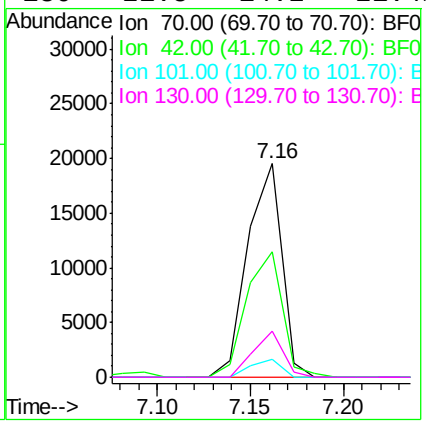




#19
n-Nitroso-di-n-propylamine
Concen: 1.94 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.02 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion: 70 Resp: 24825

Ion	Ratio	Lower	Upper
70	100		
42	58.6	49.4	74.0
101	8.4	7.4	11.2
130	21.5	14.2	21.4#



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations APPROVED
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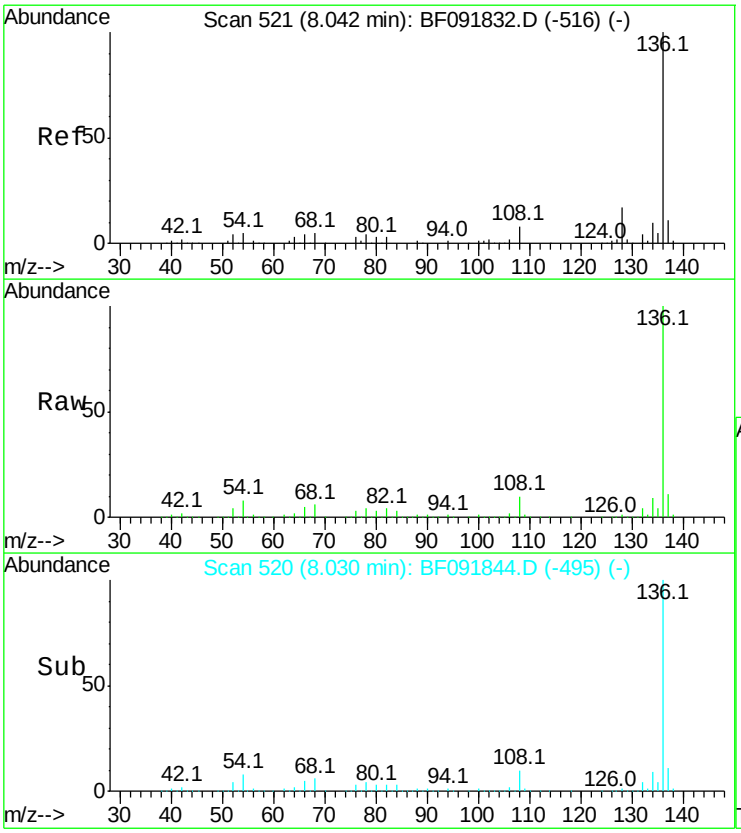
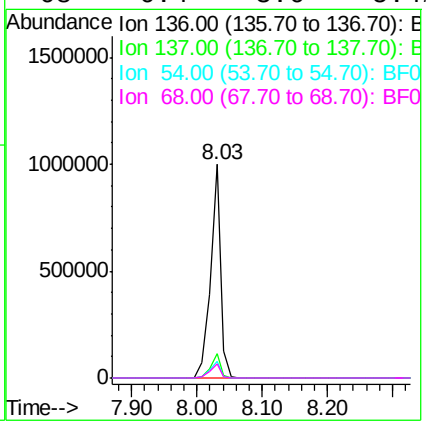
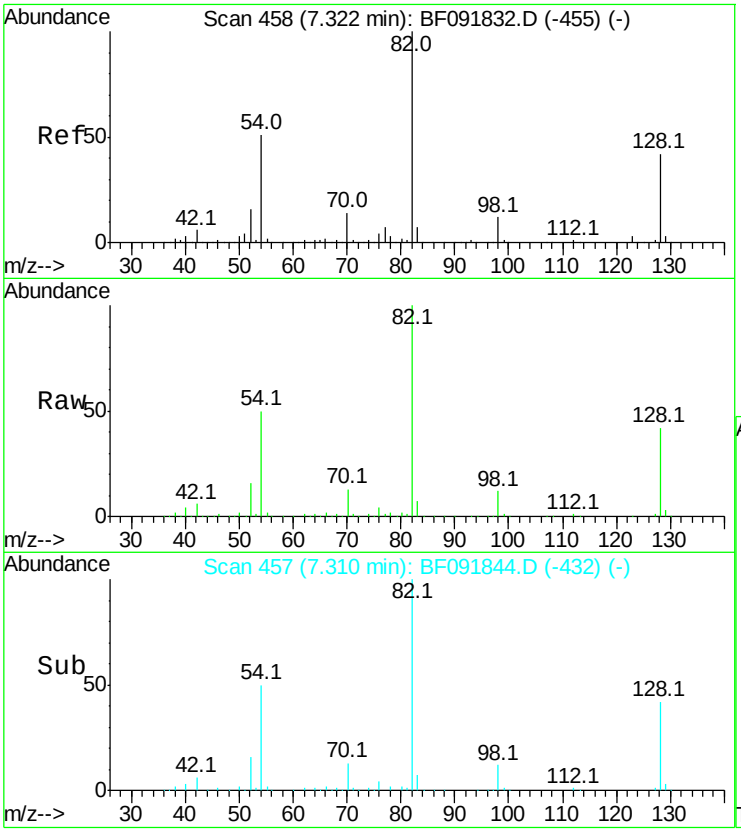


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:136 Resp: 1099333

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	8.0	4.5	6.7#
68	6.4	3.6	5.4#

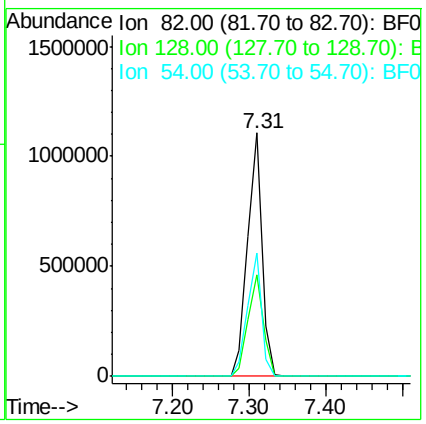




#23
Nitrobenzene-d5
Concen: 73.28 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion: 82 Resp: 1448703

Ion	Ratio	Lower	Upper
82	100		
128	41.9	34.6	52.0
54	50.4	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations APPROVED
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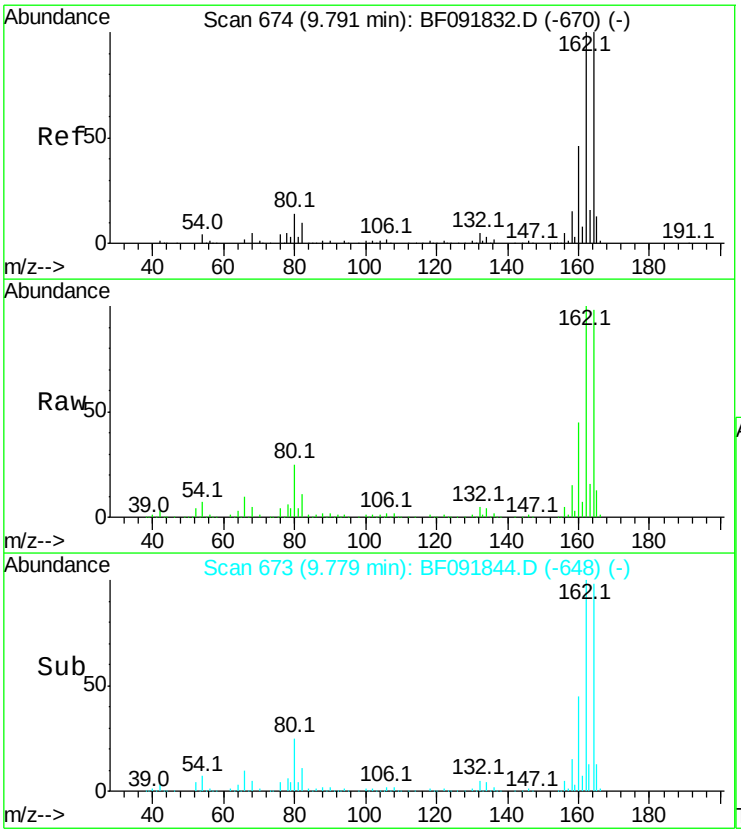
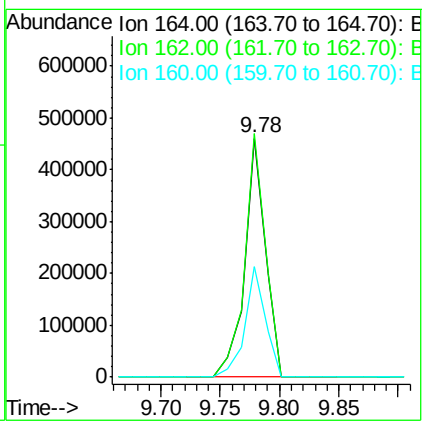
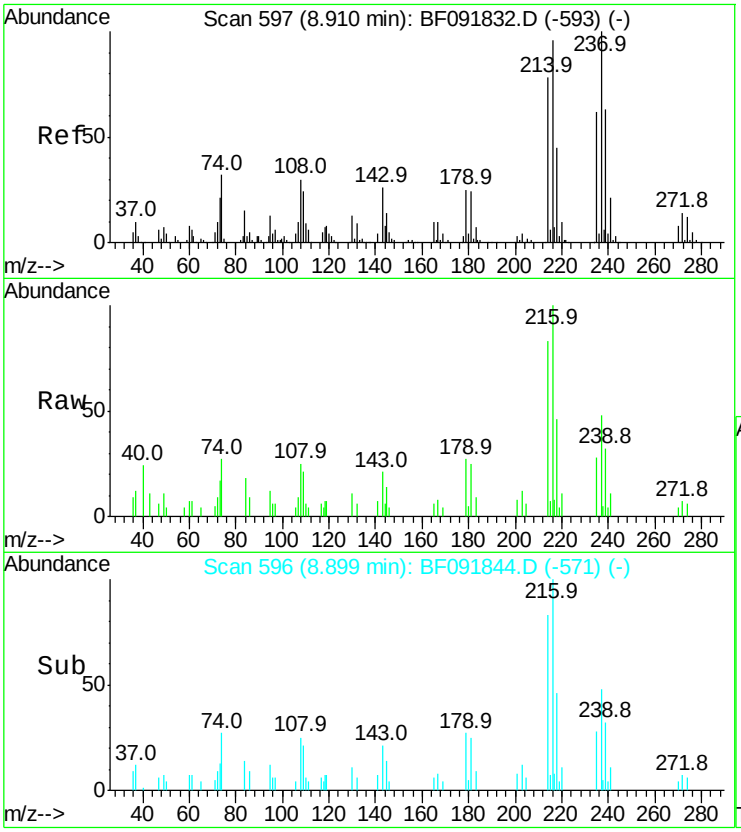


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:164 Resp: 565388

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.2
160	46.2	36.9	55.3

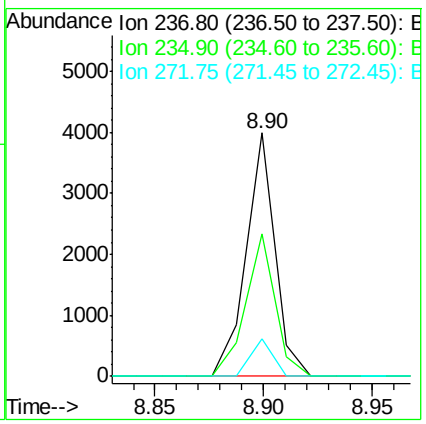




#40
Hexachlorocyclopentadiene
Concen: 4.53 ng
RT: 8.90 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:237 Resp: 3669

Ion	Ratio	Lower	Upper
237	100		
235	58.5	41.2	81.2
272	15.2	0.0	35.4



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

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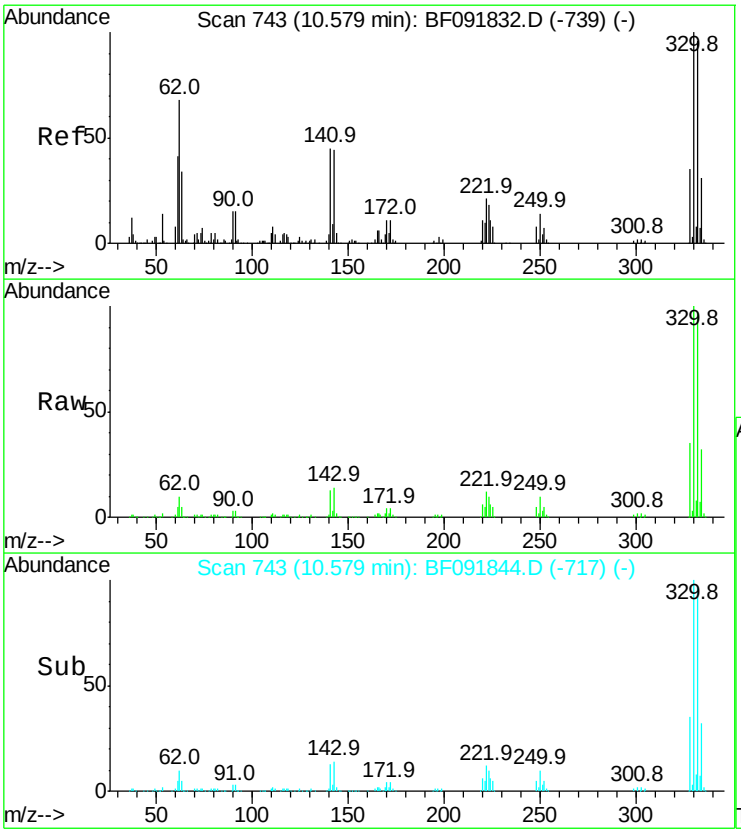
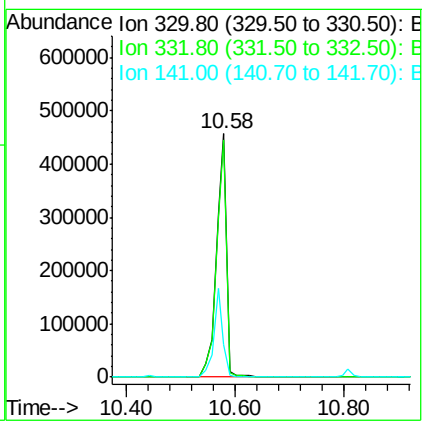
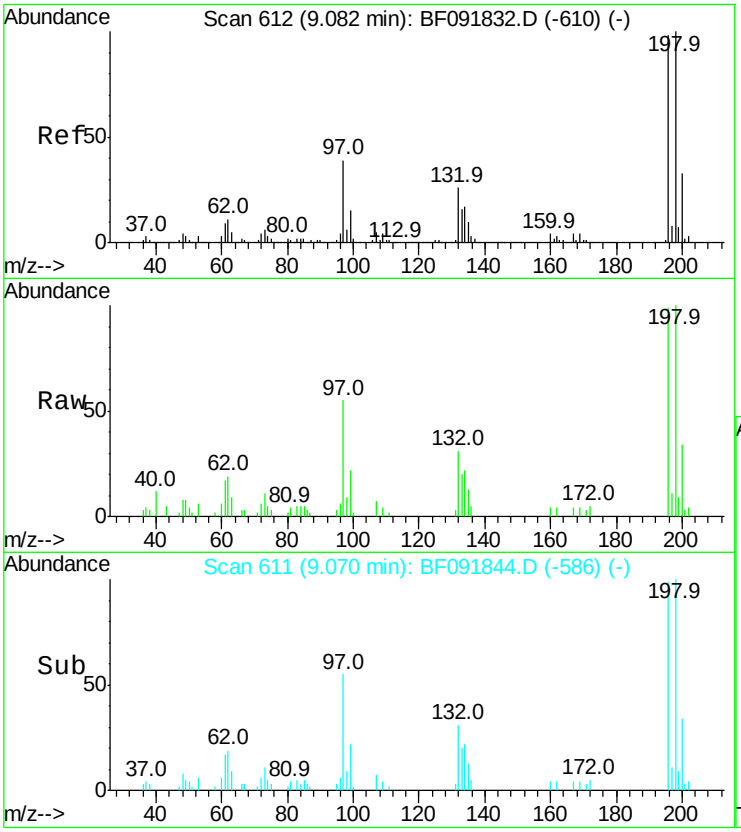


#41
2,4,6-Tribromophenol
Concen: 130.14 ng
RT: 10.58 min Scan# 743
Delta R.T. -0.00 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:330 Resp: 608948

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.2
141	32.9	34.1	51.1#

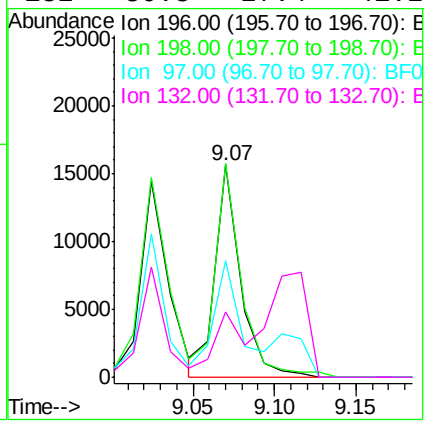




#43
2,4,5-Trichlorophenol
Concen: 1.67 ng
RT: 9.07 min Scan# 611
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:196 Resp: 17120

Ion	Ratio	Lower	Upper
196	100		
198	100.6	79.4	119.2
97	55.0	51.5	77.3
132	30.8	27.4	41.2



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations APPROVED
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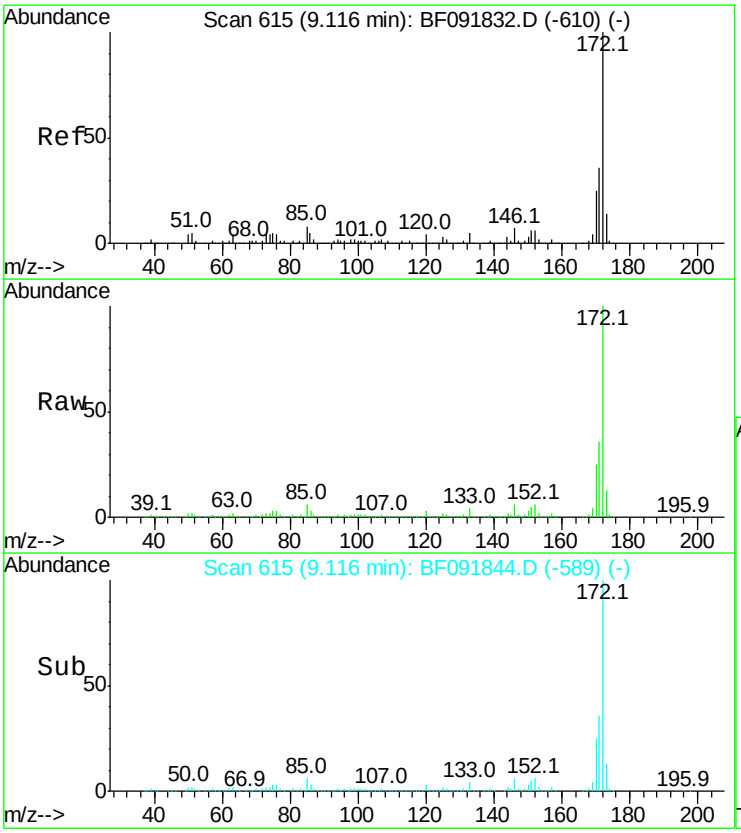
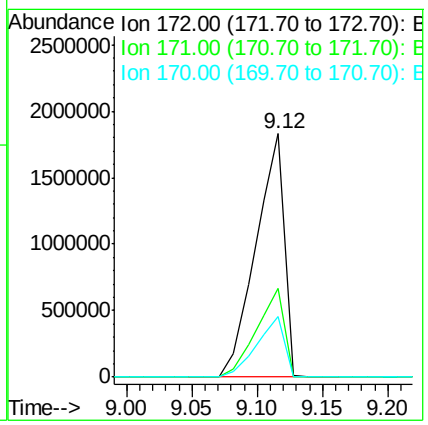
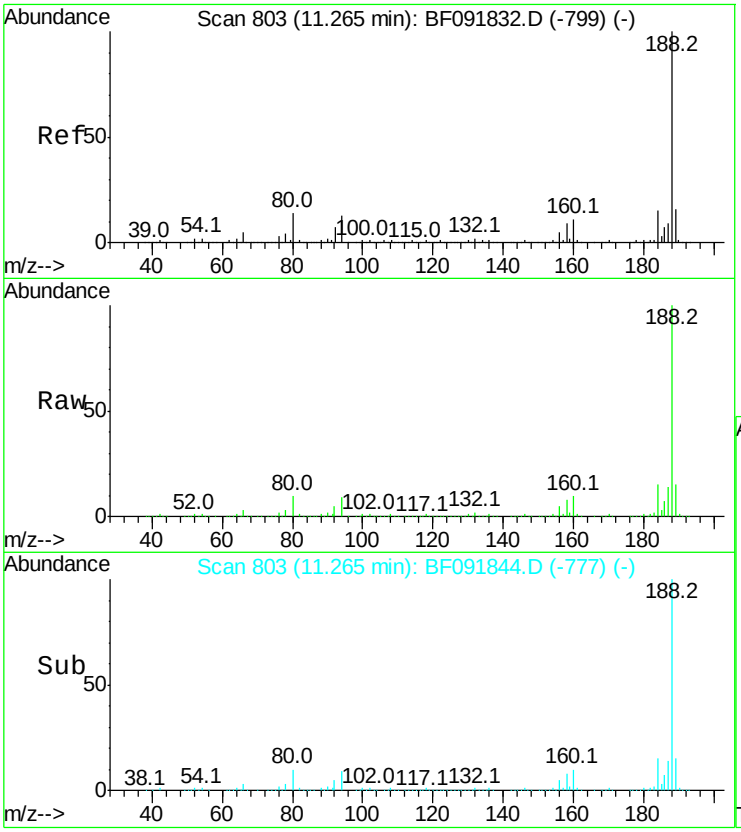


#44
2-Fluorobiphenyl
Concen: 103.58 ng
RT: 9.12 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:172 Resp: 2780445

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	24.7	20.2	30.4

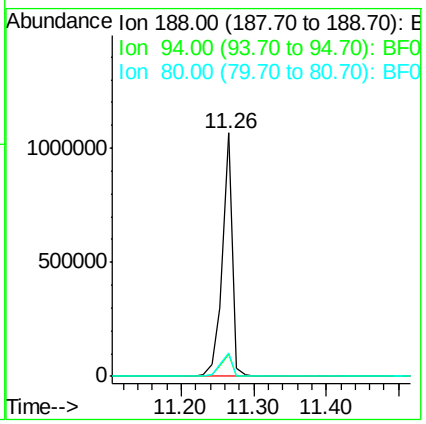




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:188 Resp: 1016060

Ion	Ratio	Lower	Upper
188	100		
94	9.3	10.0	15.0#
80	9.8	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations APPROVED
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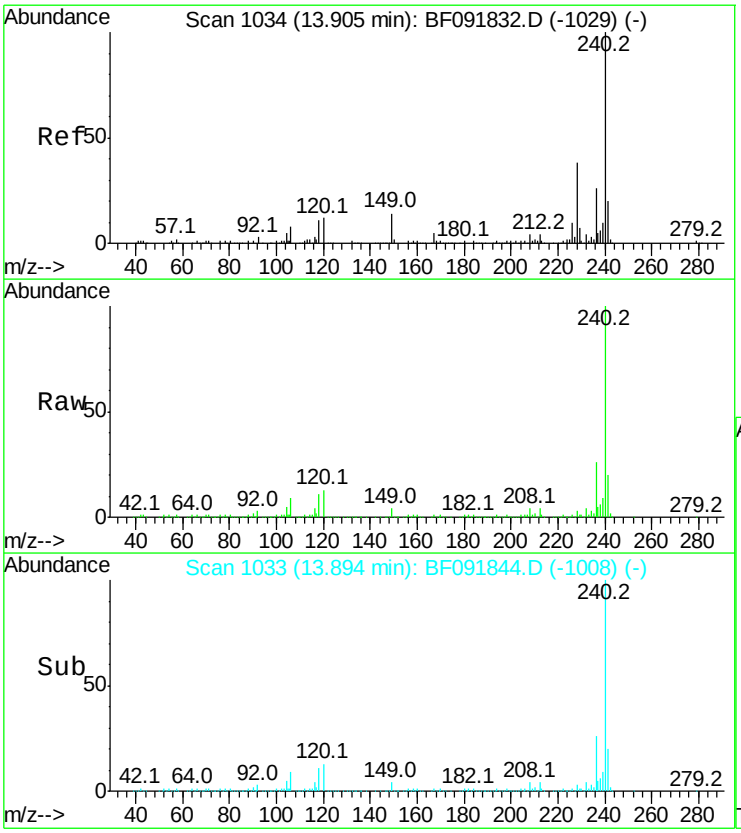
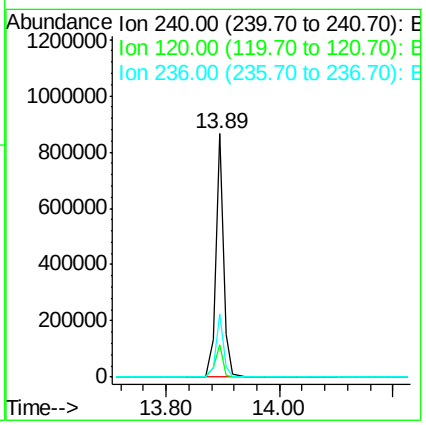
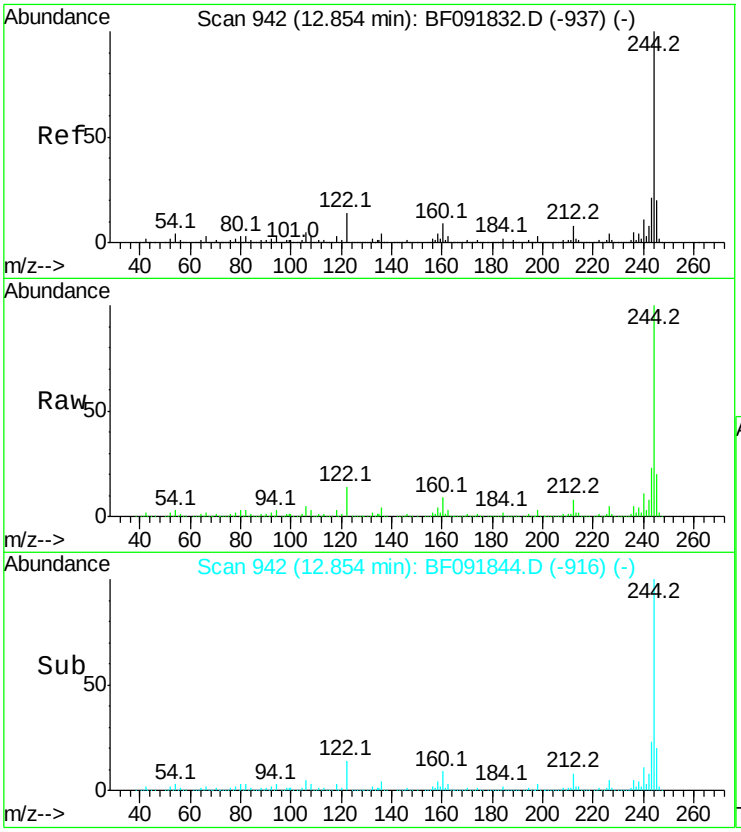


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:240 Resp: 809892

Ion	Ratio	Lower	Upper
240	100		
120	13.3	12.9	19.3
236	26.1	20.9	31.3

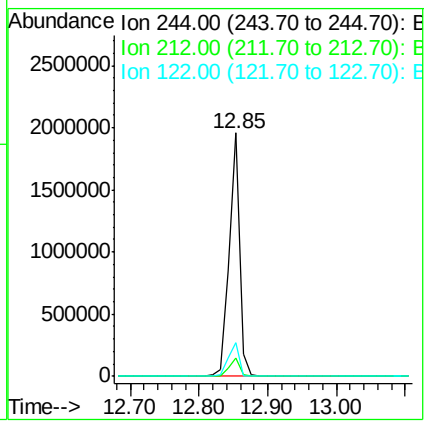




#78
Terphenyl-d14
Concen: 63.34 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:244 Resp: 2115065

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	13.6	11.4	17.2



Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT1-2017

Manual Integrations APPROVED
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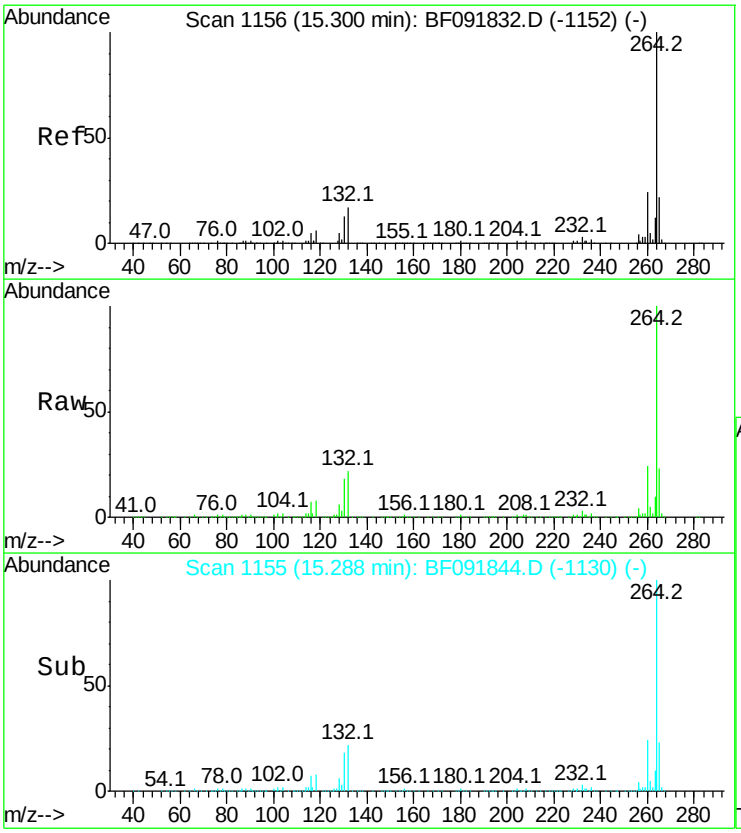

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF091844.D
Acq: 21 Dec 2016 20:13

Tgt Ion:264 Resp: 716810

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.5	17.4	26.0