Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020416\
Data File : BE091390.D
Acq On : 4 Feb 2016 11:38
Operator : UM/IZ
Sample : G4825-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-SOIL2016-02

Manual Integrations APPROVED
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2/5/2016 3:38:14 PM

Quant Time: Feb 05 12:38:24 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	50579	5.00	ng		0.00
4) Naphthalene-d8	9.55	136	232531	5.00	ng		0.00
8) Acenaphthene-d10	13.36	164	149369	5.00	ng		0.00
14) Phenanthrene-d10	16.09	188	388593	5.00	ng		0.00
18) Chrysene-d12	20.21	240	412824	5.00	ng		0.00
24) Perylene-d12	22.10	264	370303	5.00	ng		0.00
System Monitoring Compounds							
2) 2-Fluorophenol	4.91	112	78883	6.61	ng		-0.04
3) Phenol-d6	6.54	99	107144	6.34	ng		-0.03
5) Nitrobenzene-d5	8.17	82	43354	2.94	ng		0.00
9) 2,4,6-Tribromophenol	14.90	330	26460	3.80	ng		0.00
10) 2-Fluorobiphenyl	12.02	172	151952	3.91	ng		0.00
20) Terphenyl-d14	18.61	244	252738	4.14	ng		0.00
Target Compounds							Qvalue
6) Naphthalene	9.60	128	6067	0.12	ng	#	94
7) 2-Methylnaphthalene	11.17	142	3420	0.23	ng		98
11) Acenaphthylene	13.12	152	20081	0.25	ng		100
12) Acenaphthene	13.42	154	4543	0.11	ng		98
13) Fluorene	14.42	166	5455	0.10	ng		100
15) Phenanthrene	16.13	178	11760	0.12	ng		97
16) Anthracene	16.22	178	9624m	0.11	ng		
17) Fluoranthene	18.10	202	9445	0.20	ng		99
19) Pyrene	18.49	202	9510	0.11	ng		99
21) Benzo(a)anthracene	20.19	228	7823	0.25	ng		98
22) Chrysene	20.25	228	14154m	0.07	ng		
23) Indeno(1,2,3-cd)pyrene	23.73	276	7115m	0.24	ng		
25) Benzo(b)fluoranthene	21.55	252	7174	0.22	ng	#	95
26) Benzo(k)fluoranthene	21.58	252	8852	0.11	ng	#	96
27) Benzo(a)pyrene	22.01	252	6005	0.24	ng	#	90
28) Dibenzo(a,h)anthracene	23.68	278	4729m	0.30	ng		
29) Benzo(g,h,i)perylene	24.27	276	7985	0.23	ng	#	94

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

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Misc :
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Quant Time: Feb 05 12:38:24 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
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QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Manual Integrations APPROVED
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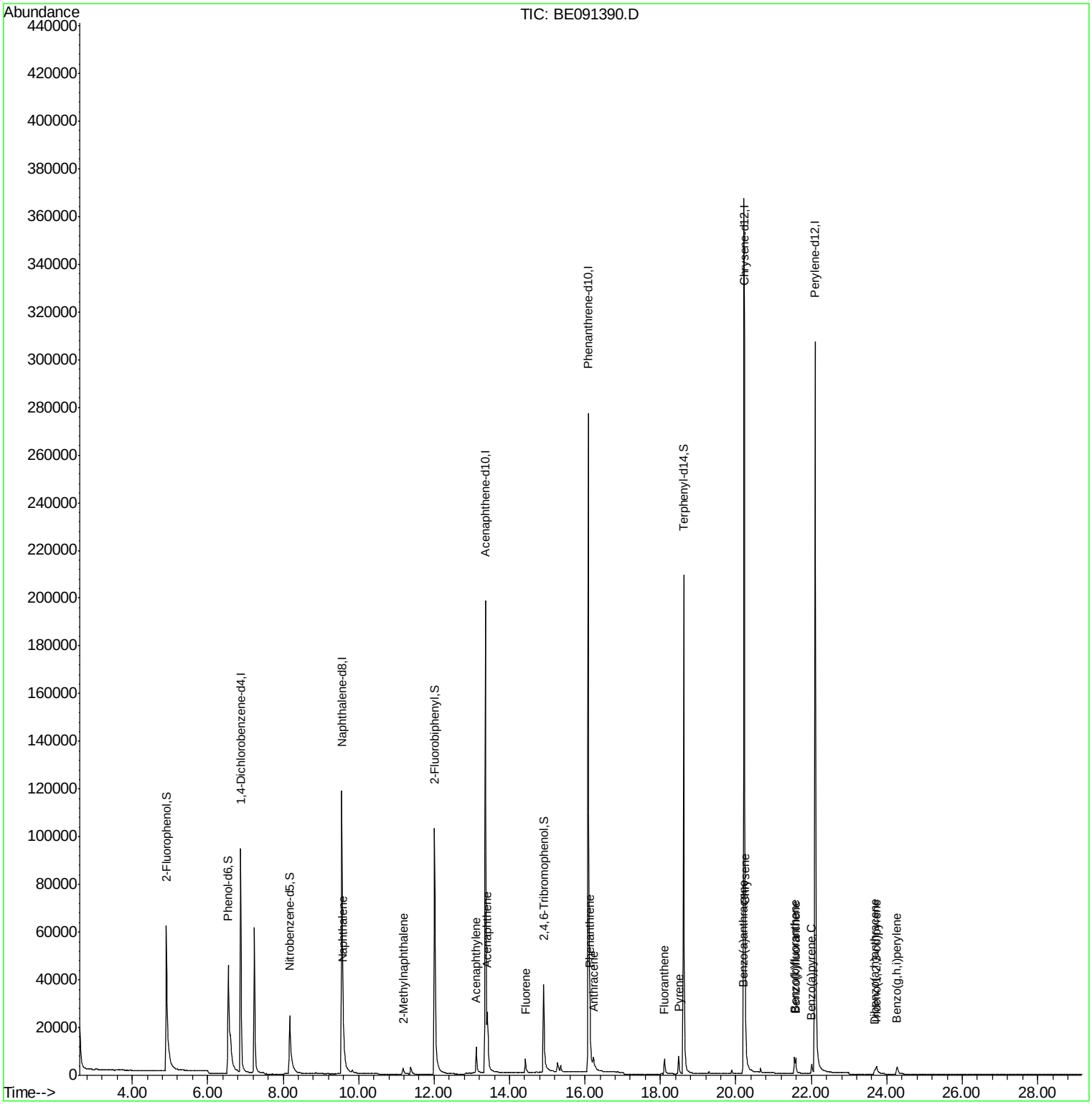
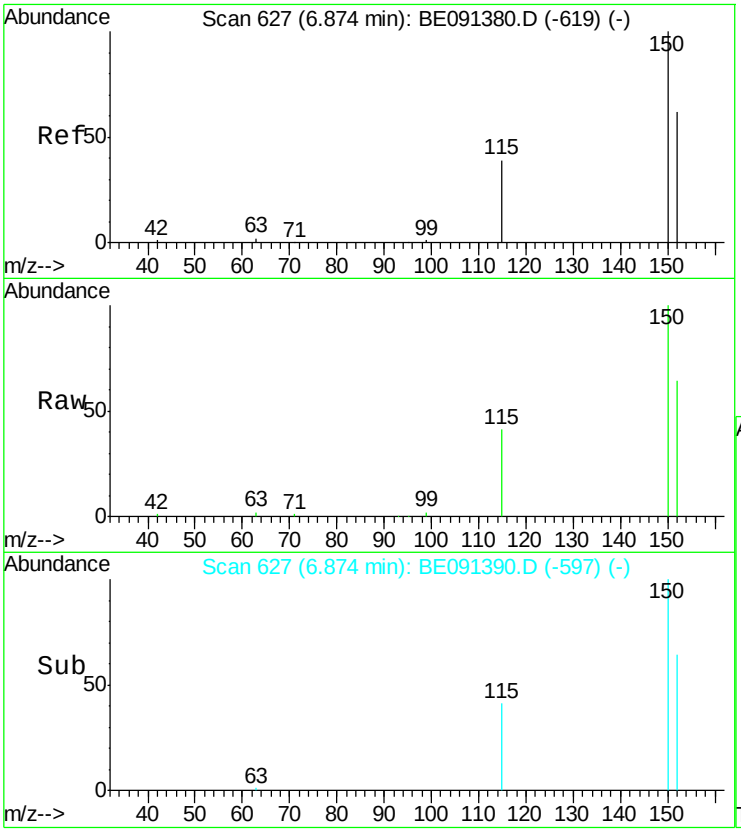
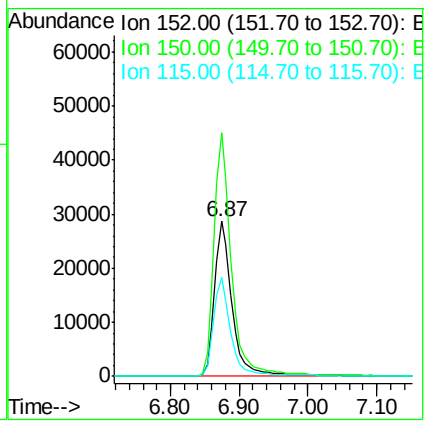




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.87 min Scan# 627
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:152 Resp: 50579

Ion	Ratio	Lower	Upper
152	100		
150	157.3	128.9	193.3
115	64.0	50.9	76.3



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

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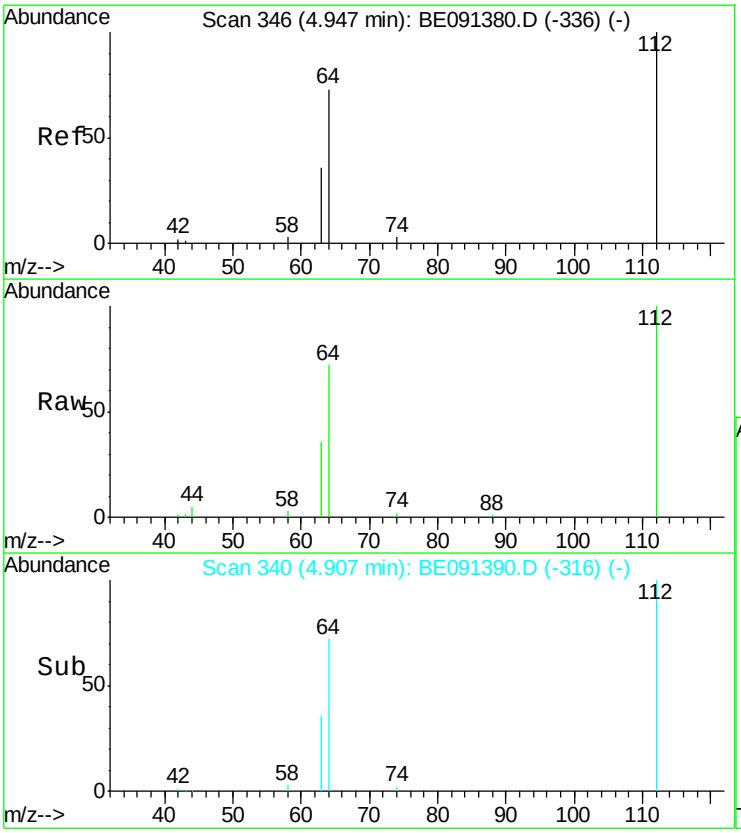
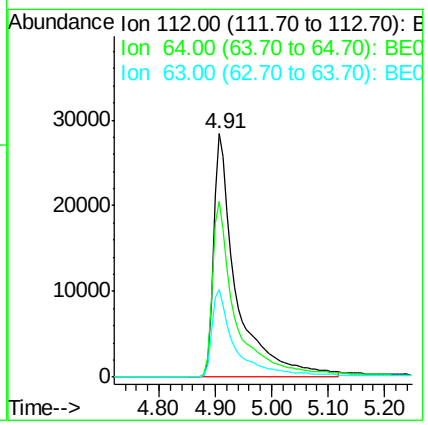
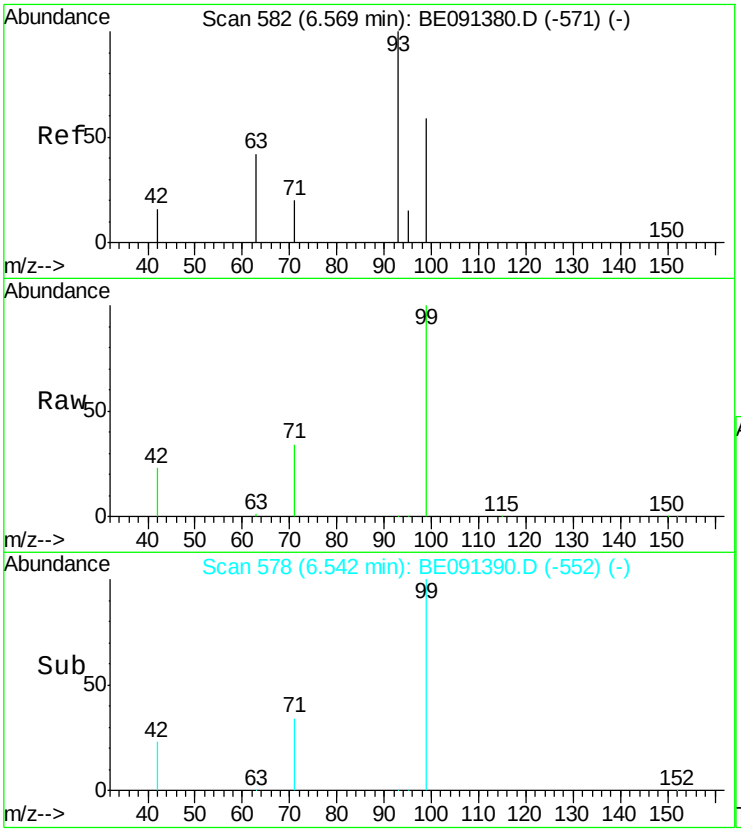


#2
2-Fluorophenol
Concen: 6.61 ng
RT: 4.91 min Scan# 340
Delta R.T. -0.04 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:112 Resp: 78883

Ion	Ratio	Lower	Upper
112	100		
64	72.5	60.5	90.7
63	36.5	29.8	44.8

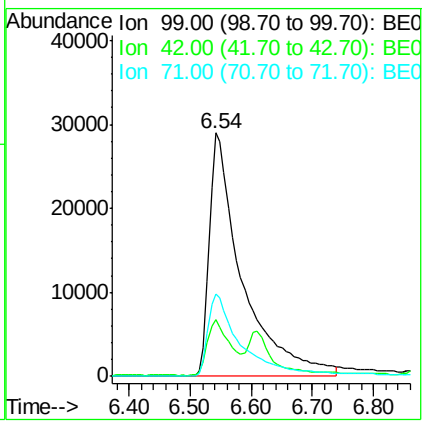




#3
Phenol-d6
Concen: 6.34 ng
RT: 6.54 min Scan# 578
Delta R.T. -0.03 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion: 99 Resp: 107144

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.3	19.9
71	33.8	25.6	38.4



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

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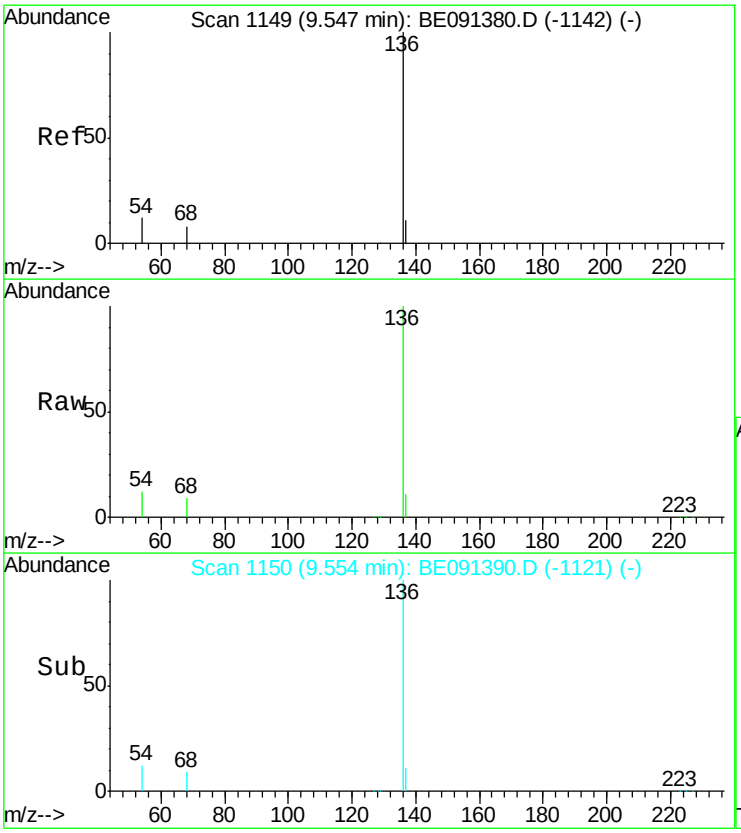
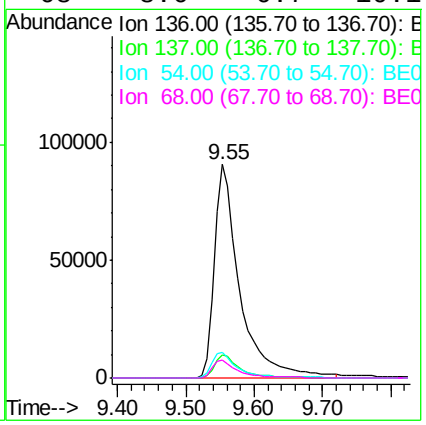
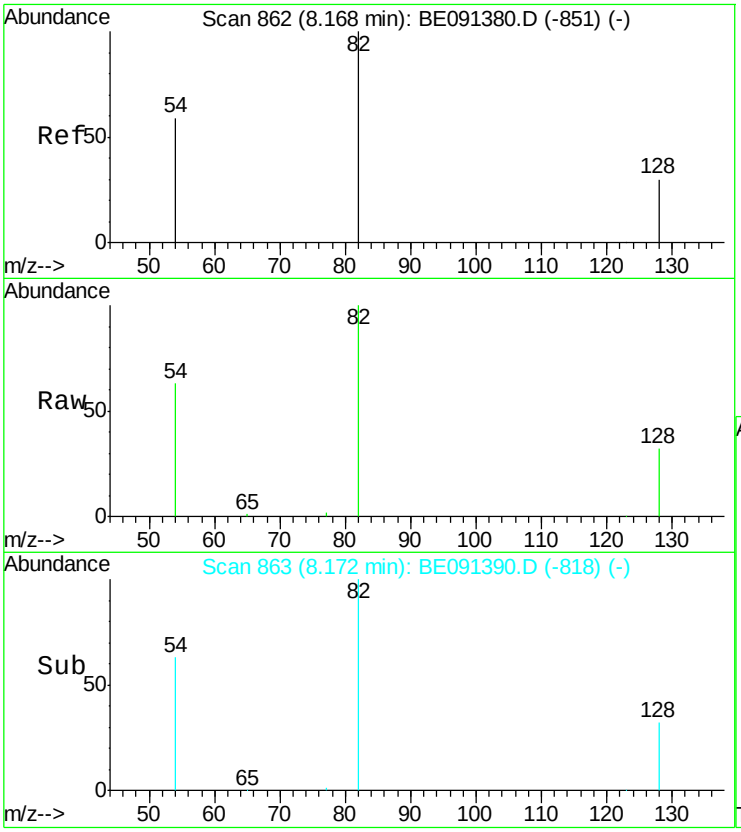


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.55 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:136 Resp: 232531

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.8	9.3	13.9
68	8.6	6.7	10.1

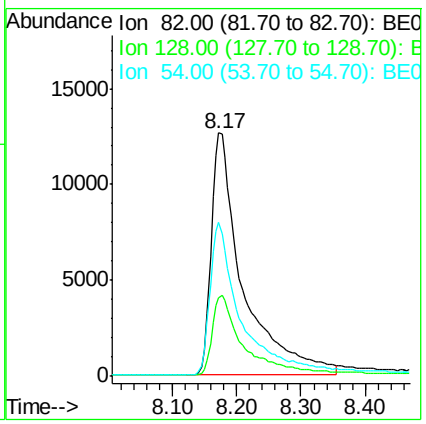




#5
Nitrobenzene-d5
Concen: 2.94 ng
RT: 8.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion: 82 Resp: 43354

Ion	Ratio	Lower	Upper
82	100		
128	32.3	25.0	37.4
54	63.0	48.1	72.1



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

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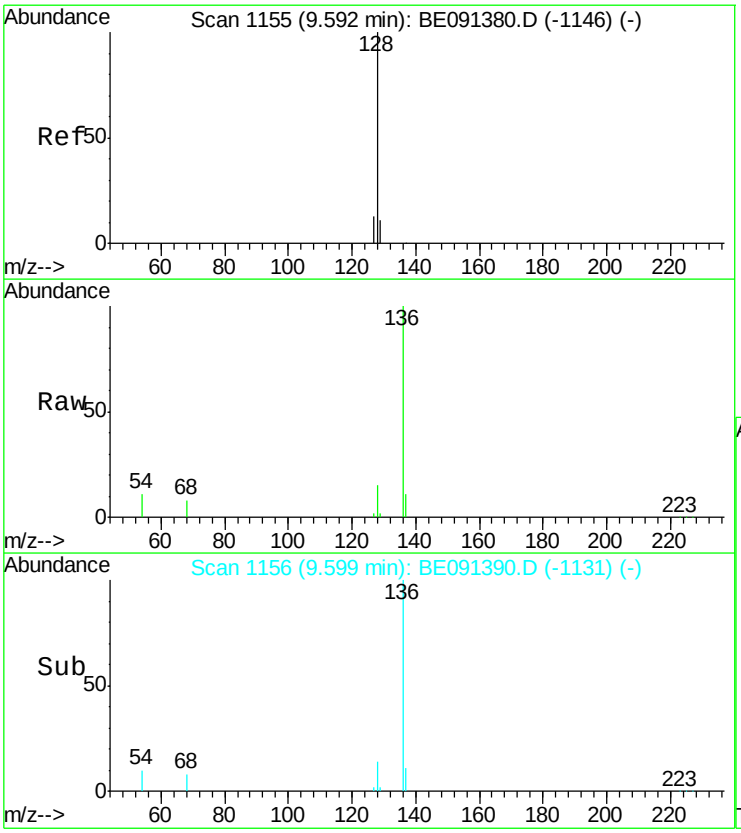
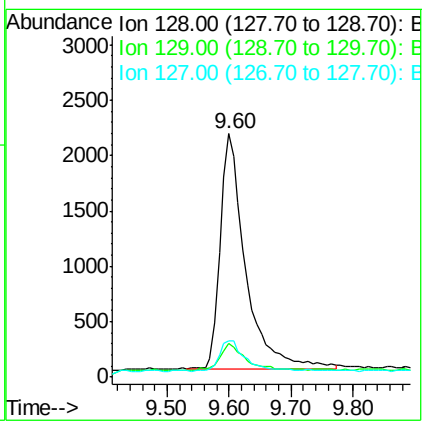
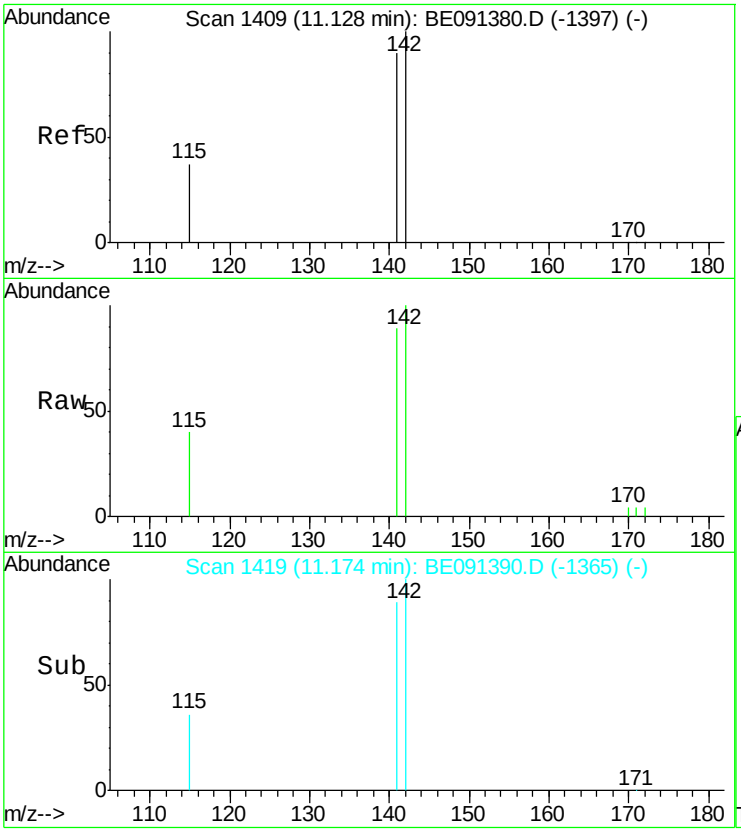


#6
Naphthalene
Concen: 0.12 ng
RT: 9.60 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:128 Resp: 6067

Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.1	13.7#
127	15.1	10.5	15.7

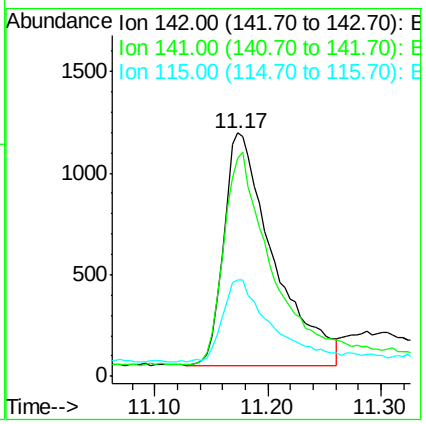




#7
2-Methylnaphthalene
Concen: 0.23 ng
RT: 11.17 min Scan# 1419
Delta R.T. 0.05 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:142 Resp: 3420

Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.3	108.5
115	39.7	30.5	45.7



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

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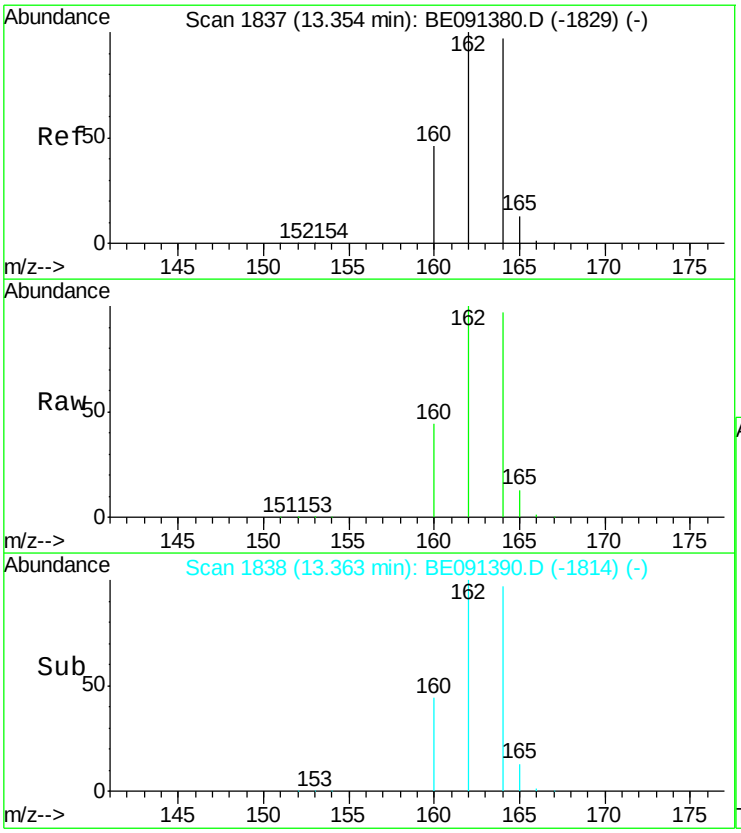
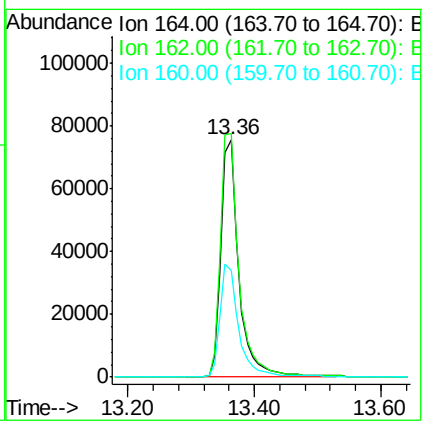
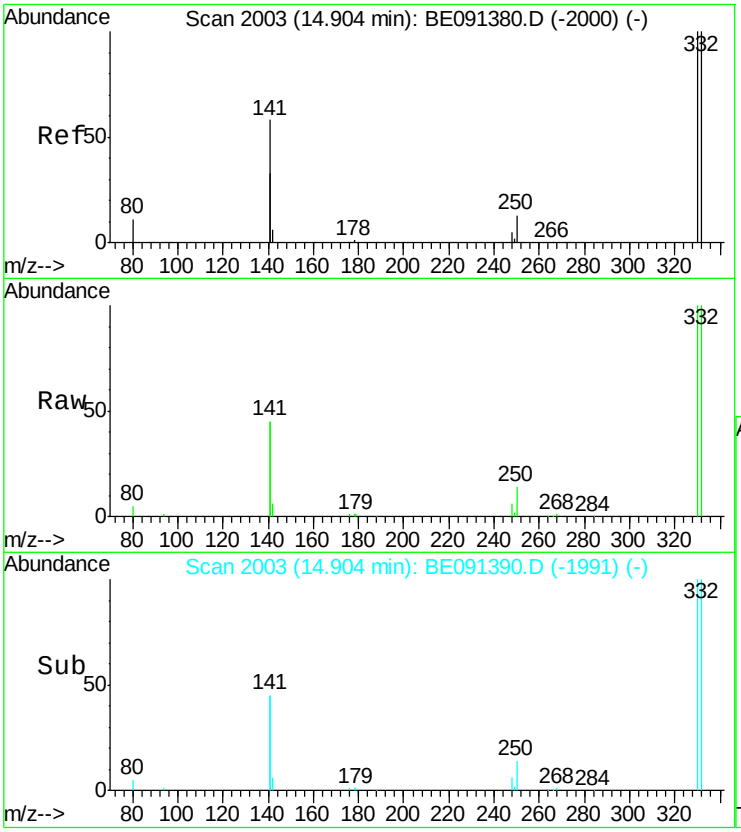


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.36 min Scan# 1838
Delta R.T. 0.01 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:164 Resp: 149369

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.2	123.2
160	45.1	37.8	56.8

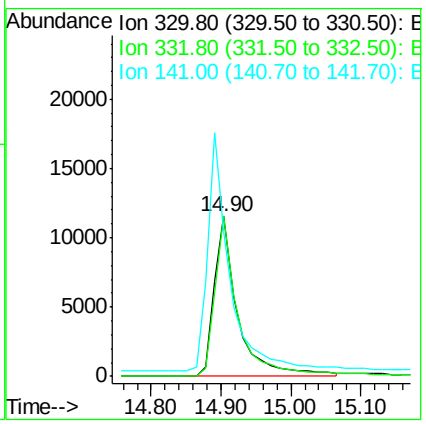




#9
2,4,6-Tribromophenol
Concen: 3.80 ng
RT: 14.90 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:330 Resp: 26460

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.8	118.2
141	144.6	105.1	157.7



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

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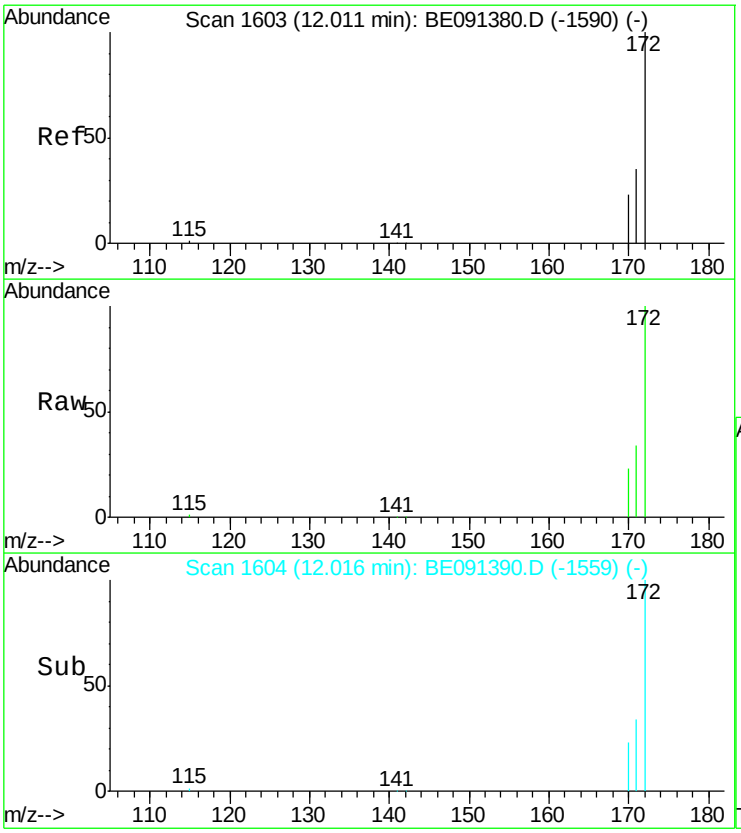
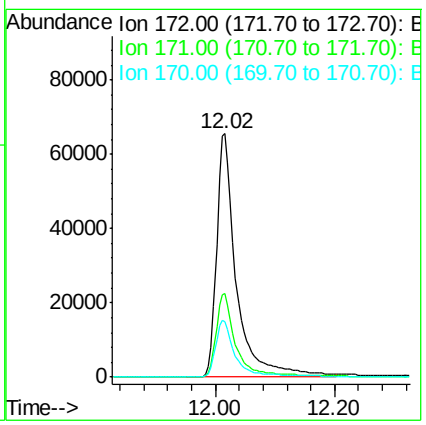
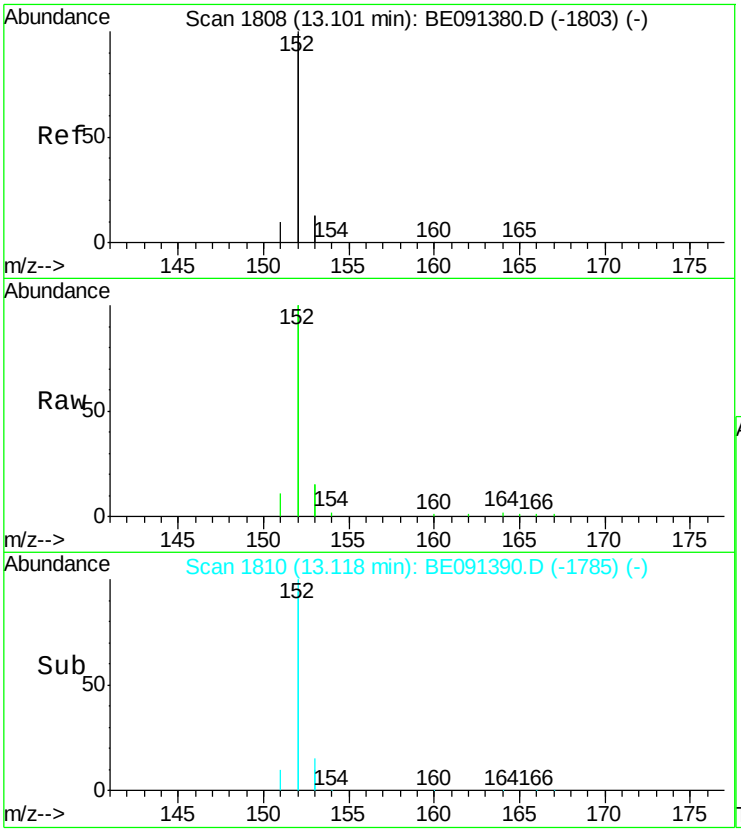


#10
2-Fluorobiphenyl
Concen: 3.91 ng
RT: 12.02 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:172 Resp: 151952

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.8
170	22.7	18.6	28.0

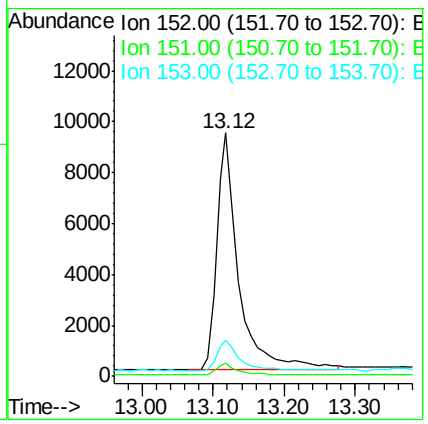




#11
Acenaphthylene
Concen: 0.25 ng
RT: 13.12 min Scan# 1810
Delta R.T. 0.02 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:152 Resp: 20081

Ion	Ratio	Lower	Upper
152	100		
151	4.7	3.8	5.8
153	12.6	10.2	15.4



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Manual Integrations APPROVED
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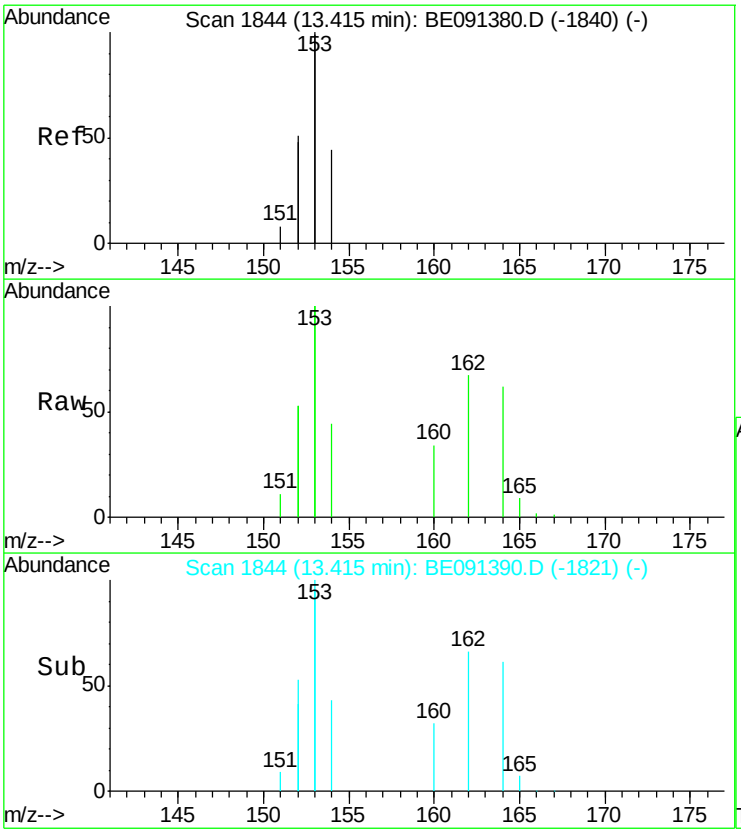
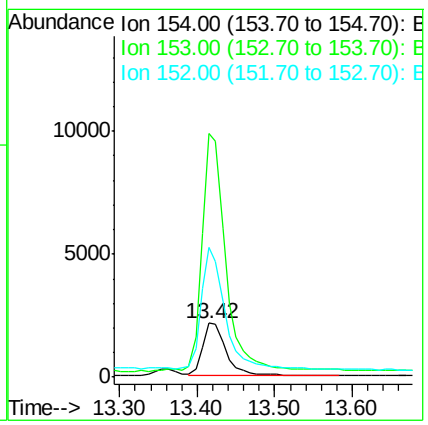
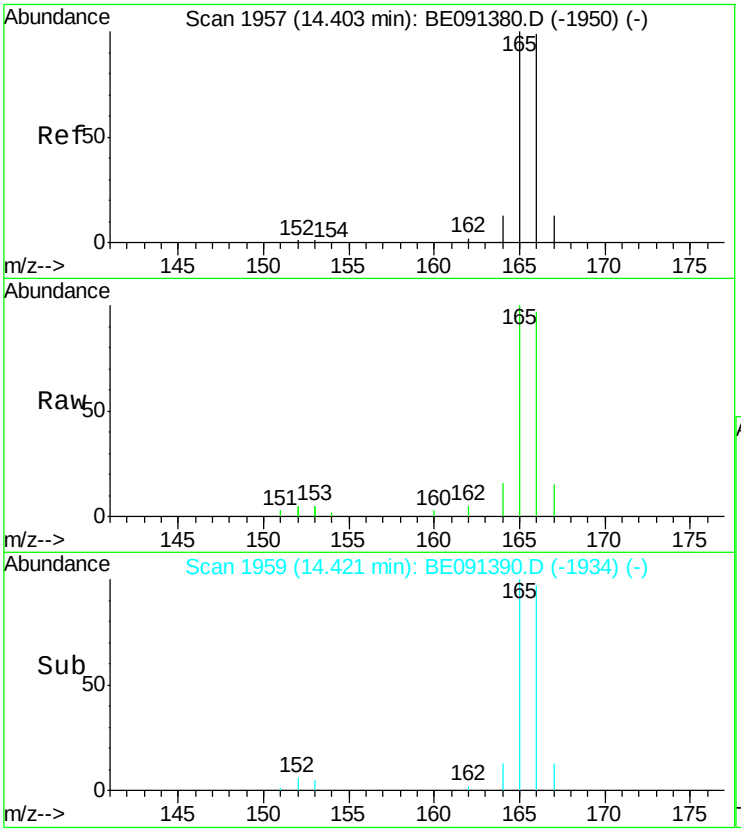


#12
Acenaphthene
Concen: 0.11 ng
RT: 13.42 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:154 Resp: 4543

Ion	Ratio	Lower	Upper
154	100		
153	464.1	369.8	554.8
152	233.5	194.4	291.6

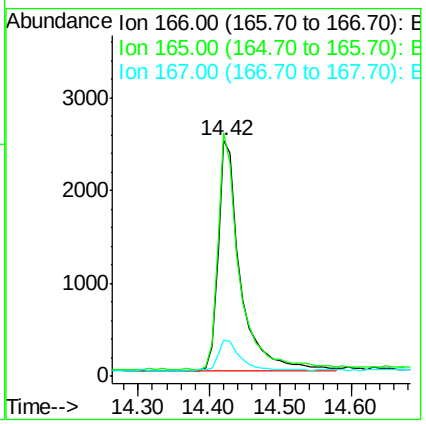




#13
Fluorene
Concen: 0.10 ng
RT: 14.42 min Scan# 1959
Delta R.T. 0.02 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:166 Resp: 5455

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.3	118.9
167	13.9	10.6	16.0



Instrument :
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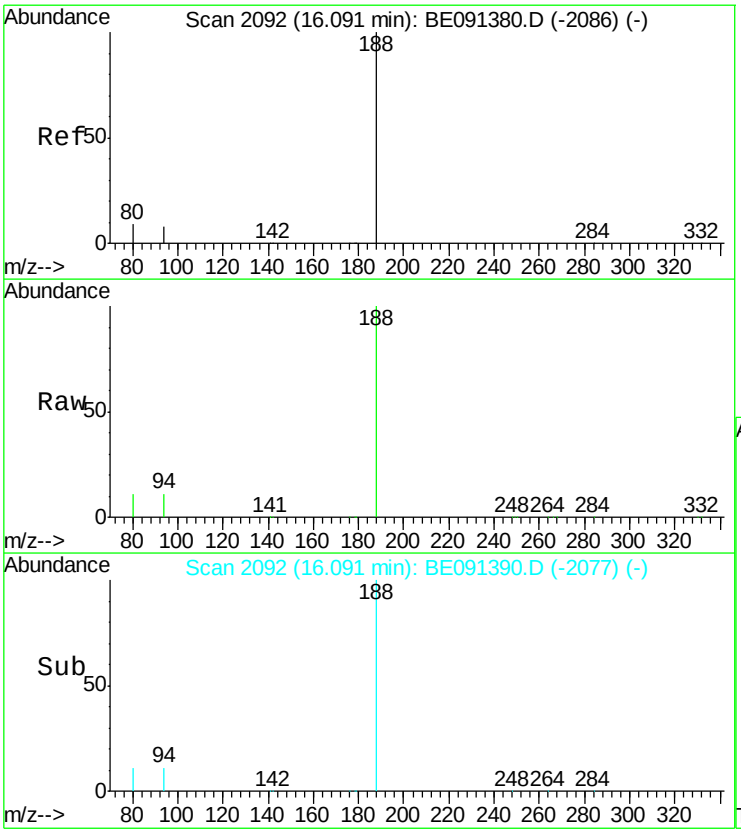
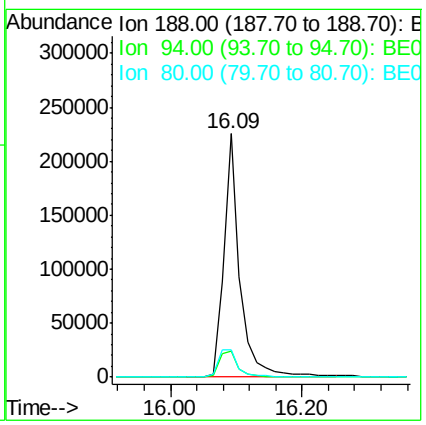
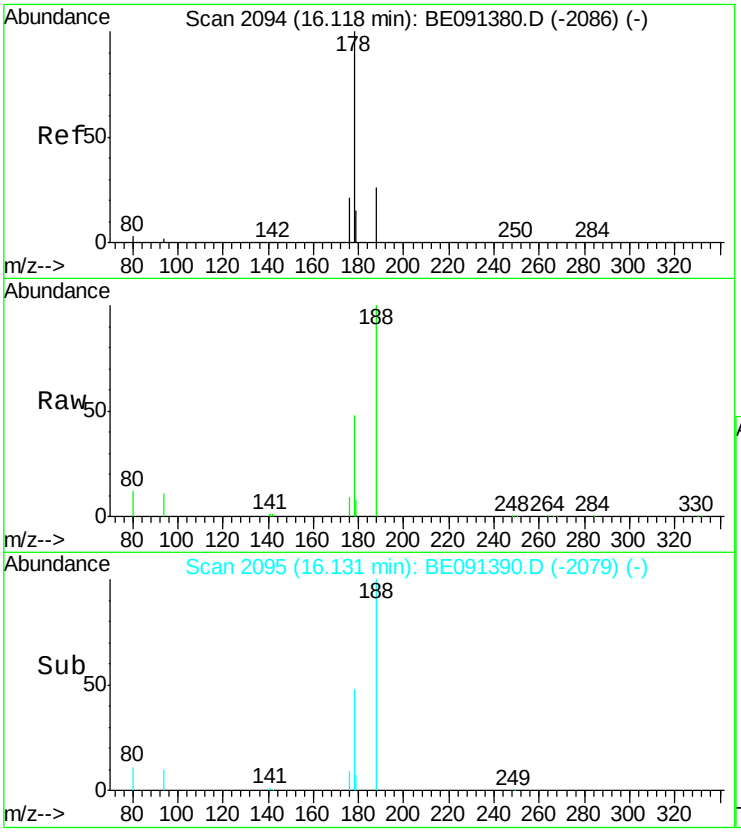


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.09 min Scan# 2092
Delta R.T. -0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:188 Resp: 388593

Ion	Ratio	Lower	Upper
188	100		
94	10.8	6.6	10.0#
80	11.4	7.0	10.6#

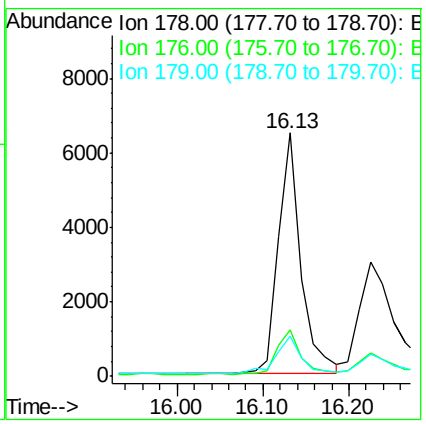




#15
Phenanthrene
Concen: 0.12 ng
RT: 16.13 min Scan# 2095
Delta R.T. 0.01 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:178 Resp: 11760

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	18.2	12.7	19.1



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

Manual Integrations APPROVED
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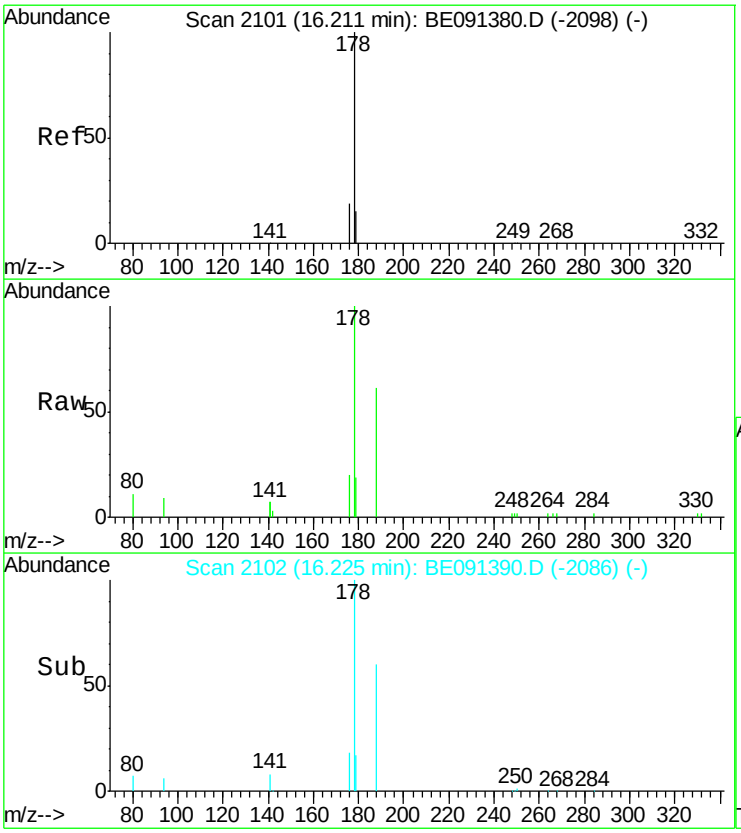
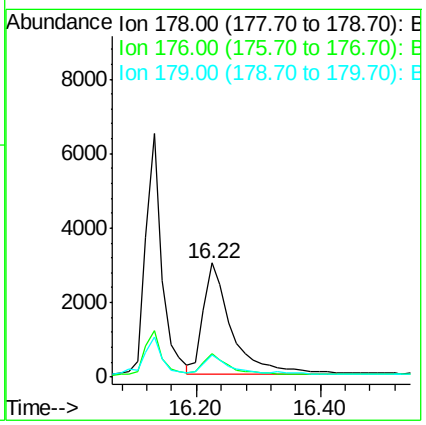
2/5/2016 3:38:14 PM

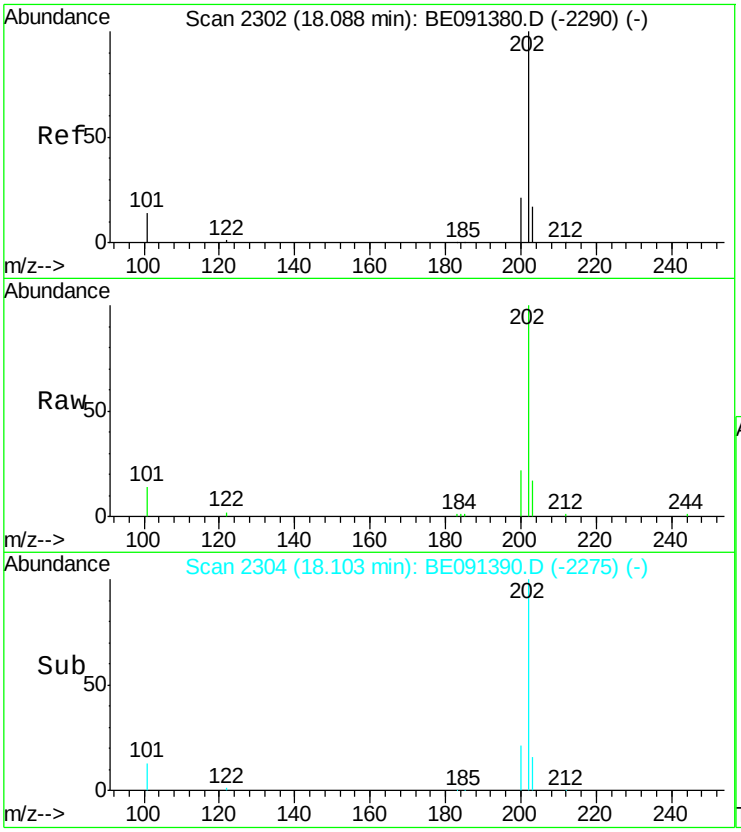


#16
Anthracene
Concen: 0.11 ng m
RT: 16.22 min Scan# 2102
Delta R.T. 0.01 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:178 Resp: 9624

Ion	Ratio	Lower	Upper
178	100		
176	15.7	14.8	22.2
179	13.6	12.1	18.1

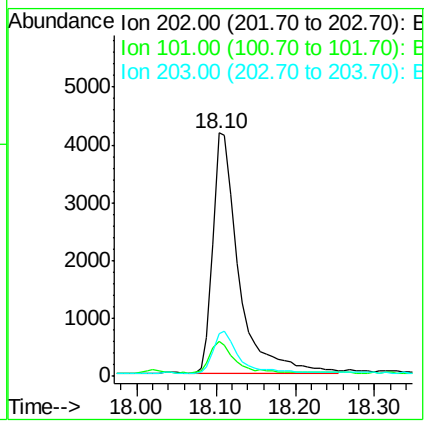




#17
Fluoranthene
Concen: 0.20 ng
RT: 18.10 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:202 Resp: 9445

Ion	Ratio	Lower	Upper
202	100		
101	12.3	10.5	15.7
203	17.4	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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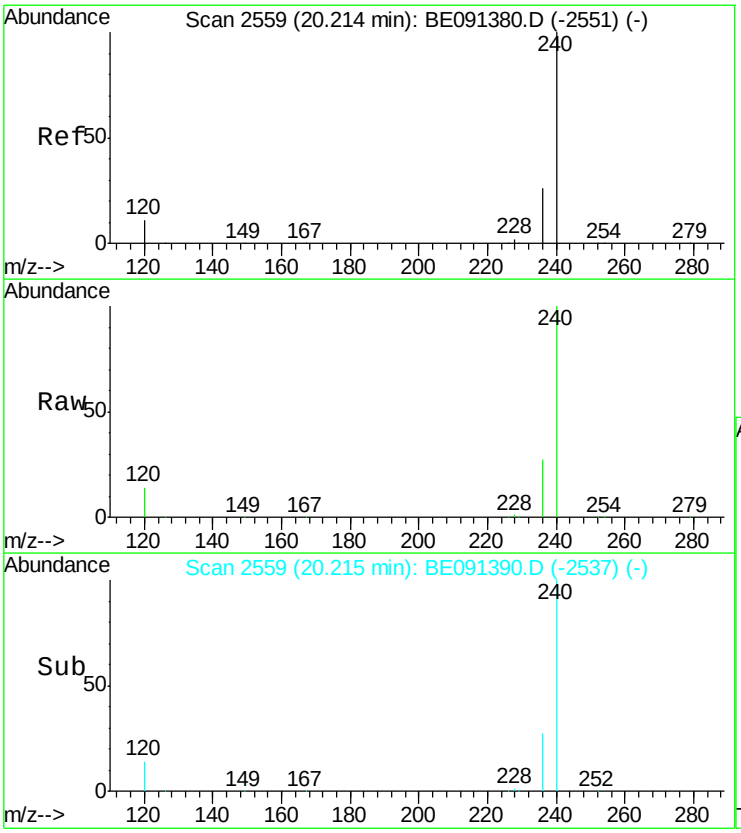
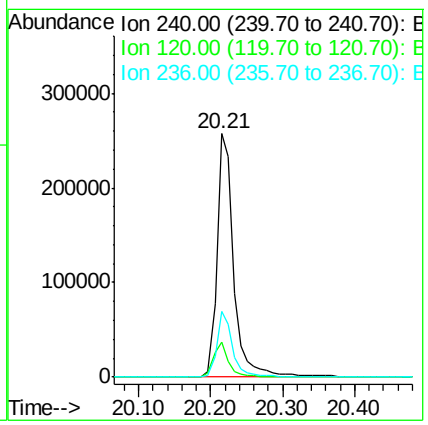
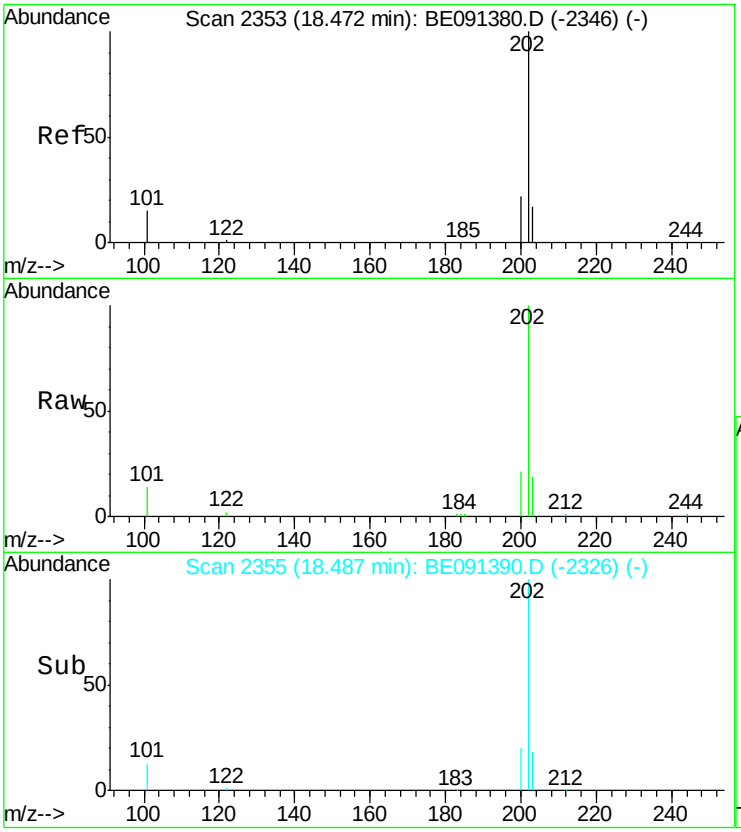


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.21 min Scan# 2559
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:240 Resp: 412824

Ion	Ratio	Lower	Upper
240	100		
120	14.4	8.9	13.3#
236	26.8	21.0	31.4

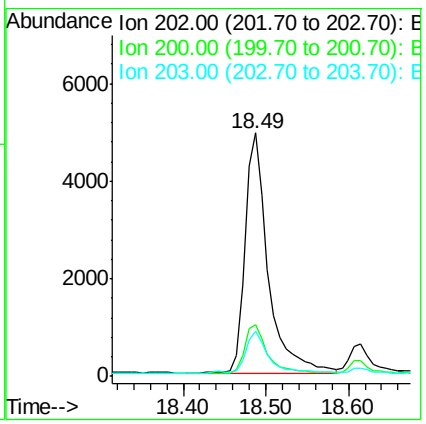




#19
Pyrene
Concen: 0.11 ng
RT: 18.49 min Scan# 2355
Delta R.T. 0.02 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:202 Resp: 9510

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	16.5	14.0	21.0



Instrument :
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ClientSampleId :
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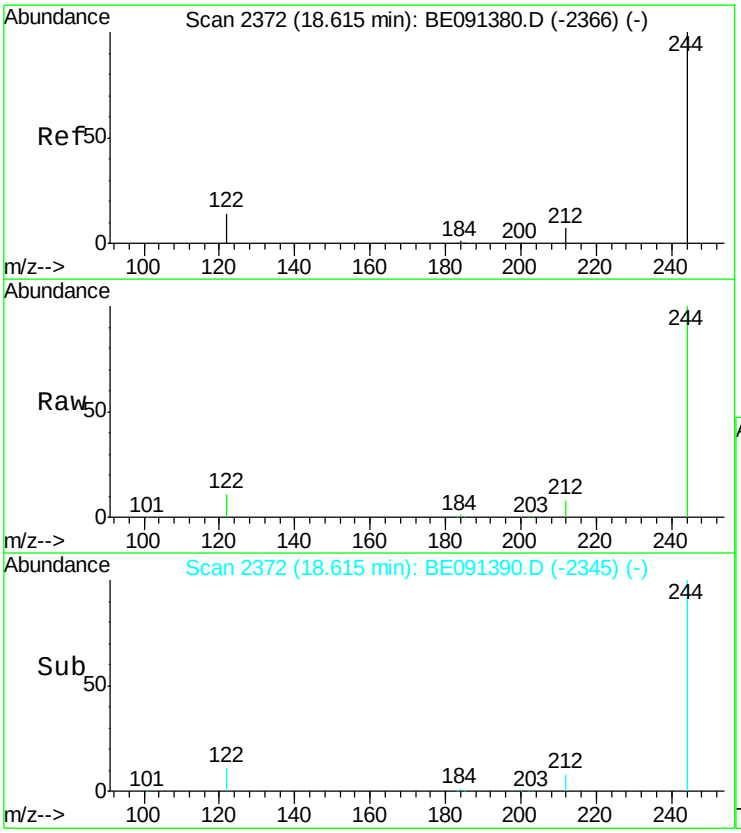
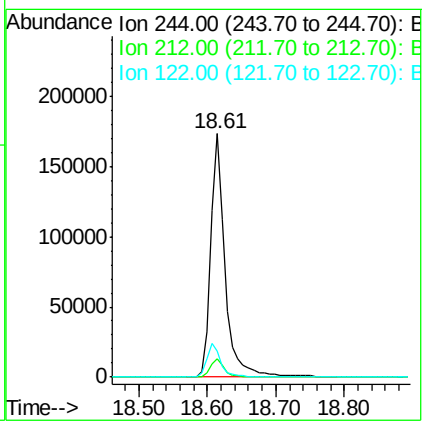
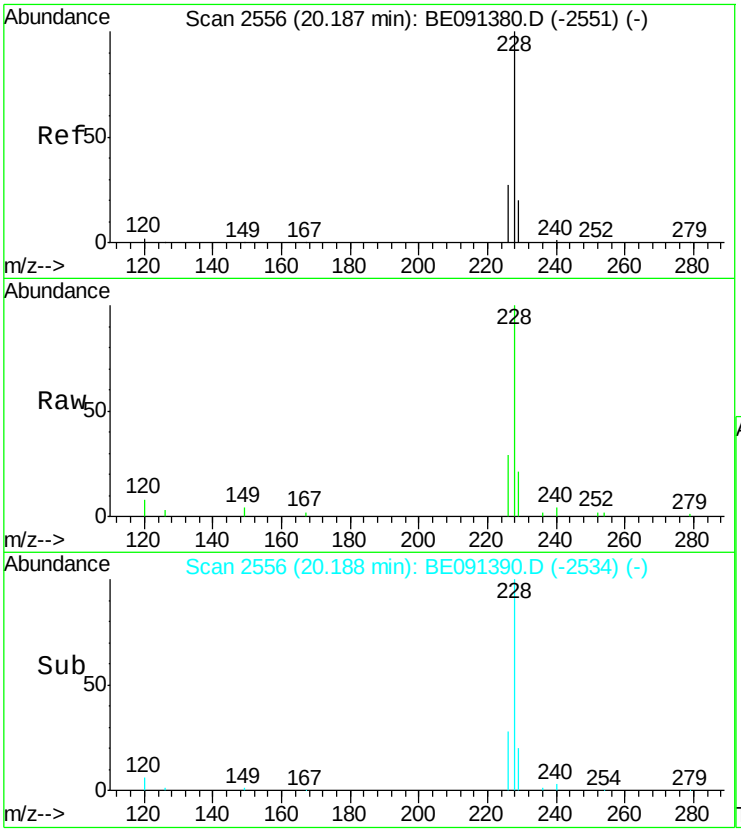


#20
Terphenyl-d14
Concen: 4.14 ng
RT: 18.61 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:244 Resp: 252738

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	10.6	11.0	16.6#

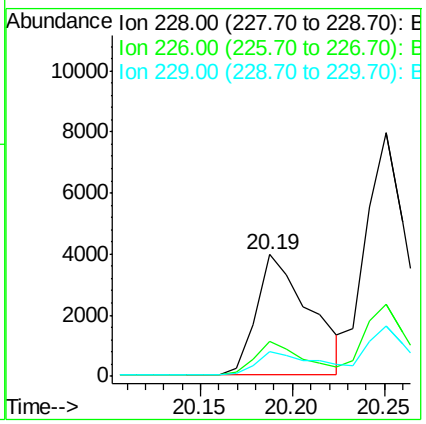




#21
Benzo(a)anthracene
Concen: 0.25 ng
RT: 20.19 min Scan# 2556
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:228 Resp: 7823

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.7	32.5
229	20.6	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL2016-02

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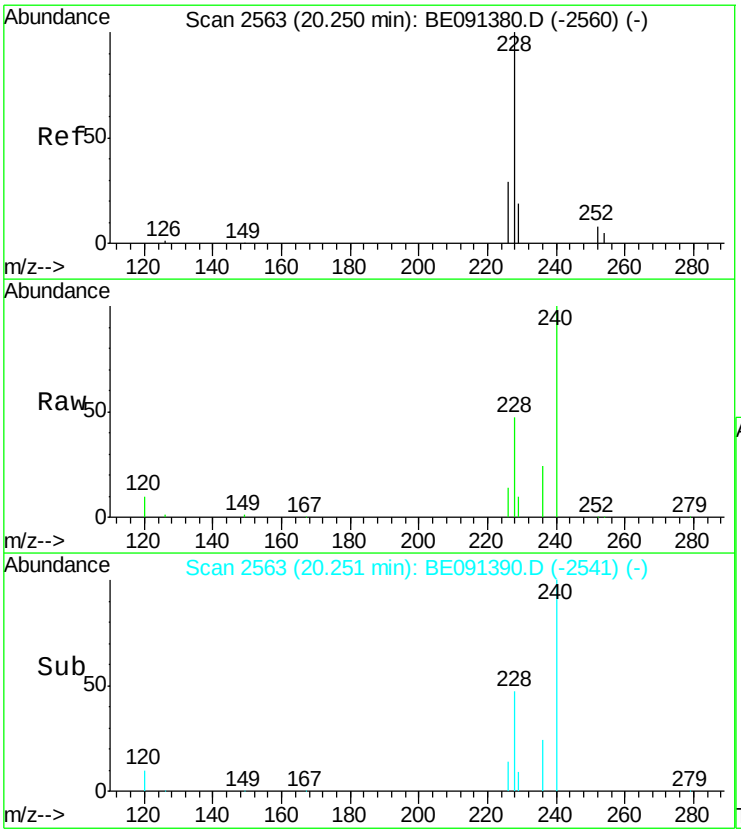
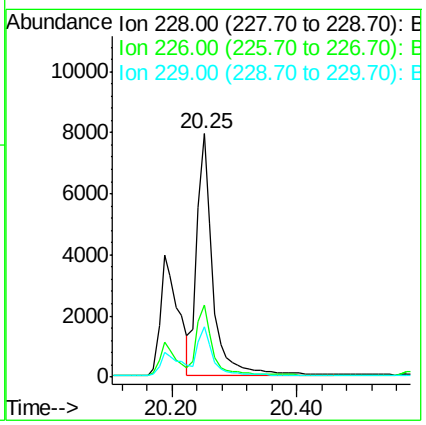
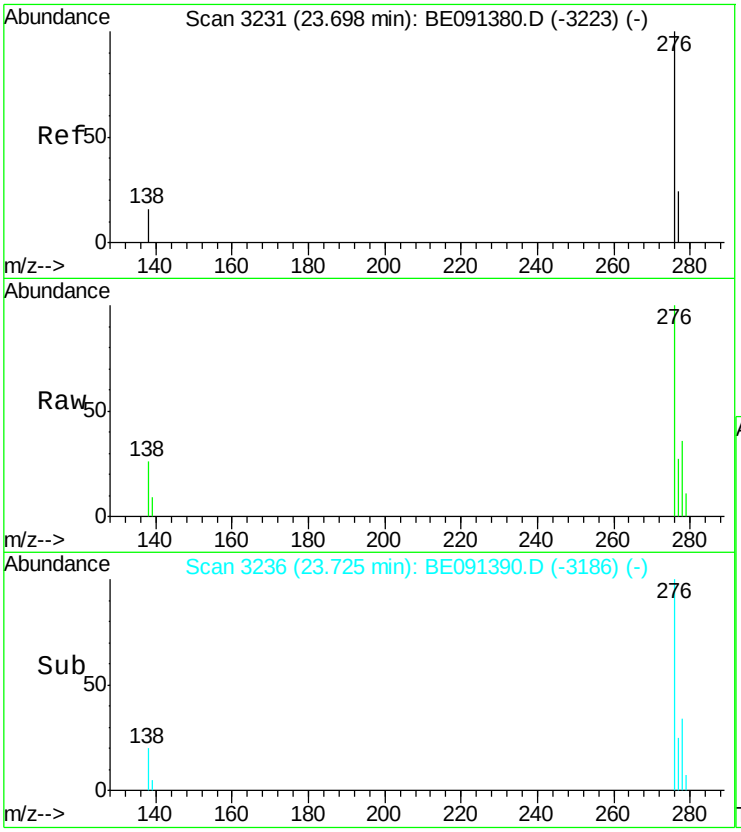


#22
Chrysene
Concen: 0.07 ng m
RT: 20.25 min Scan# 2563
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:228 Resp: 14154

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	20.7	15.7	23.5

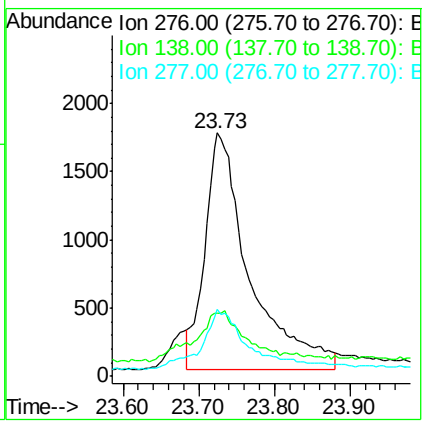




#23
Indeno(1,2,3-cd)pyrene
Concen: 0.24 ng m
RT: 23.73 min Scan# 3236
Delta R.T. 0.03 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:276 Resp: 7115

Ion	Ratio	Lower	Upper
276	100		
138	16.6	16.6	25.0#
277	26.3	19.0	28.6



Instrument :
BNA_E
ClientSampleId :
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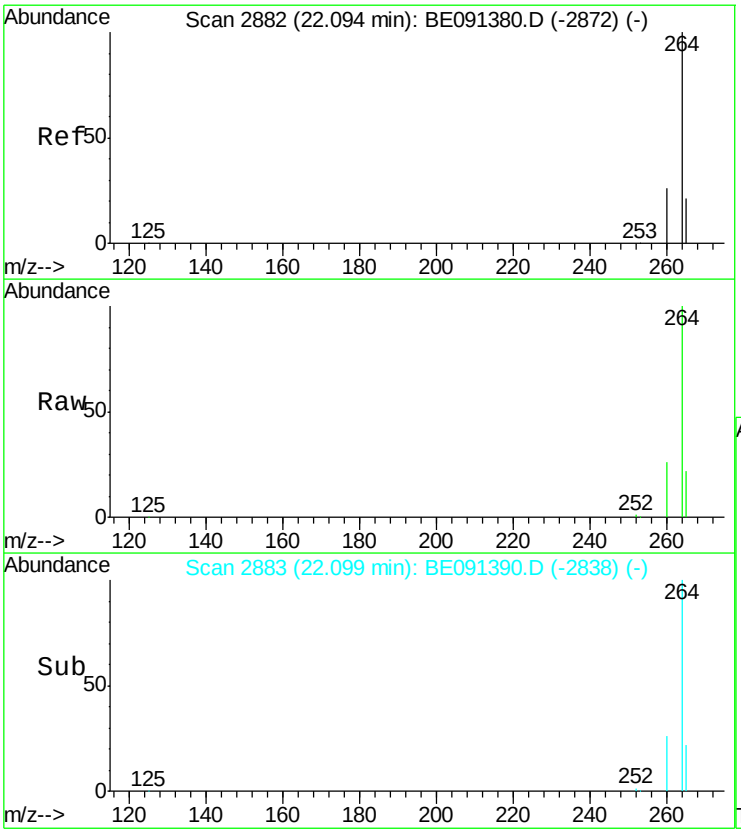
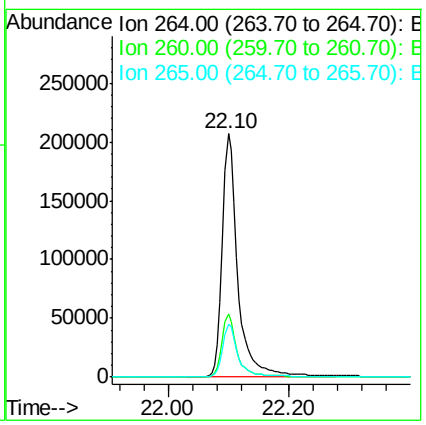
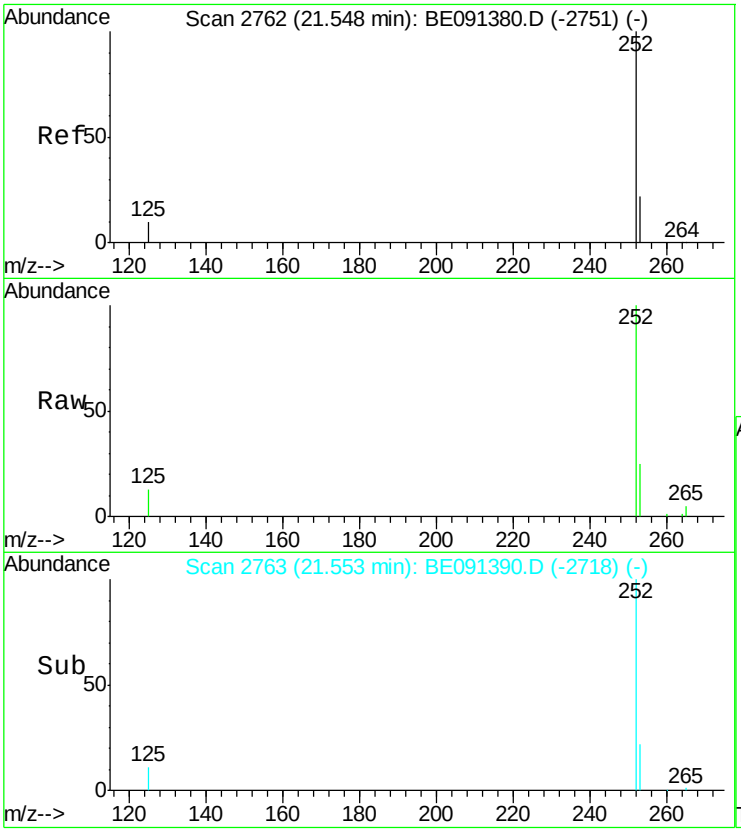


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.10 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:264 Resp: 370303

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.7	31.1
265	21.8	17.2	25.8

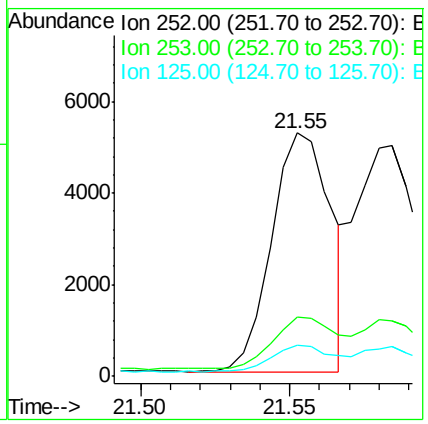




#25
Benzo(b)fluoranthene
Concen: 0.22 ng
RT: 21.55 min Scan# 2763
Delta R.T. 0.01 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:252 Resp: 7174

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	13.0	8.3	12.5#



Instrument :
BNA_E
ClientSampleId :
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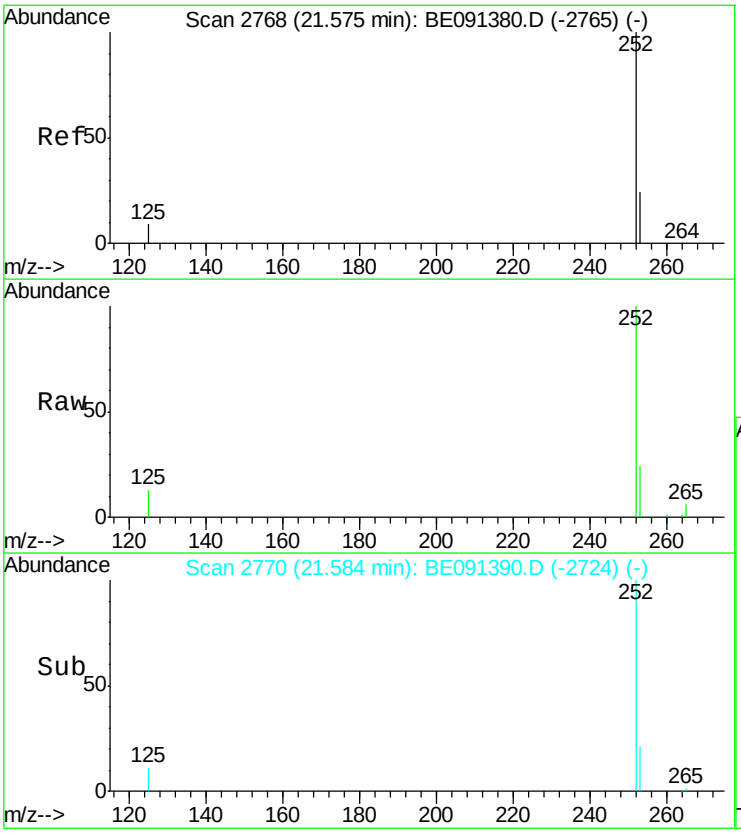
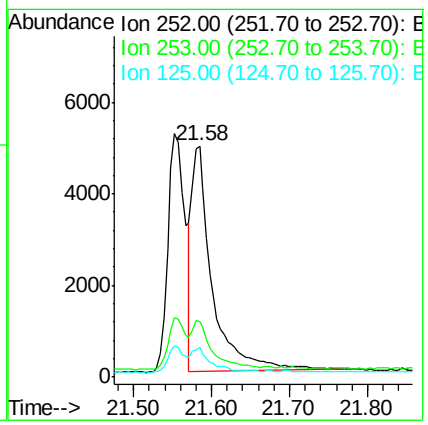
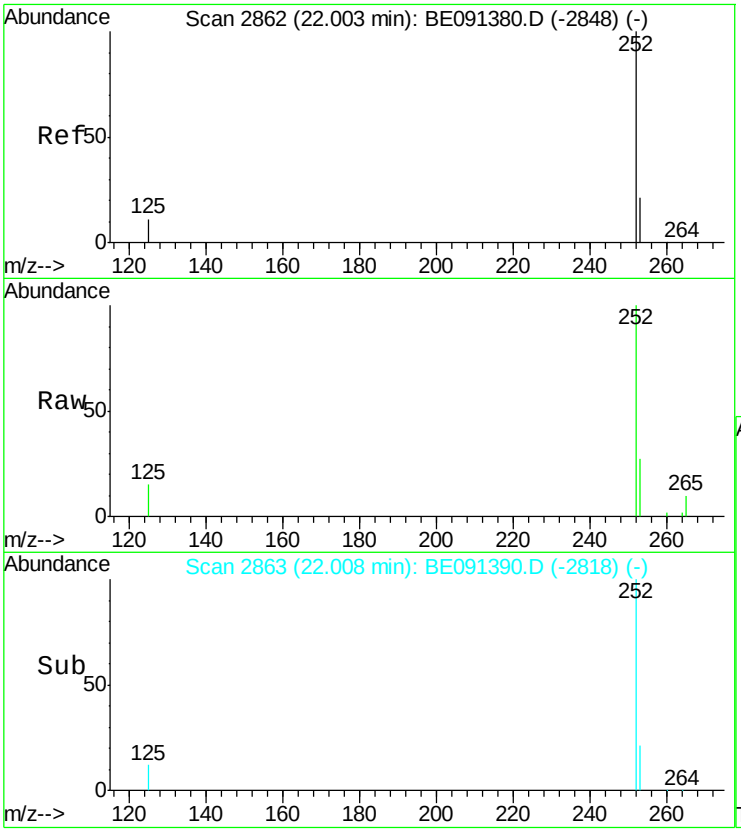


#26
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 21.58 min Scan# 2770
Delta R.T. 0.01 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:252 Resp: 8852

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	12.9	8.2	12.4#





#27
Benzo(a)pyrene
Concen: 0.24 ng
RT: 22.01 min Scan# 2863
Delta R.T. 0.00 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:252 Resp: 6005

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.5	26.3#
125	15.0	9.4	14.0#

Instrument :
BNA_E
ClientSampleId :
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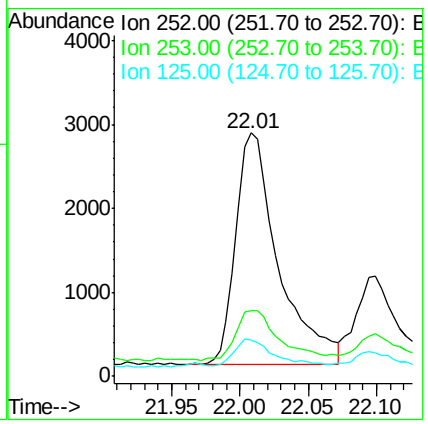
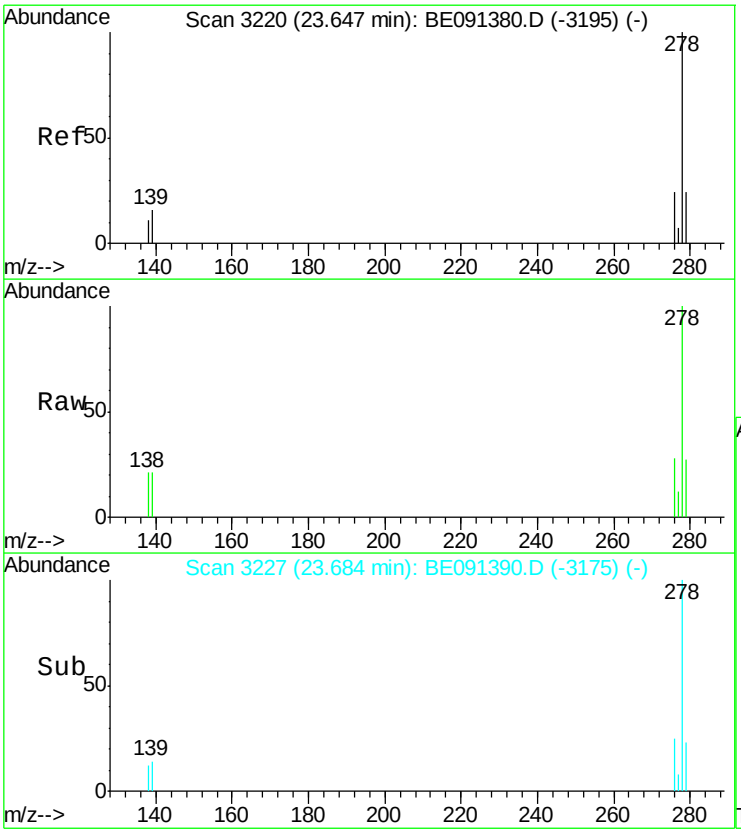
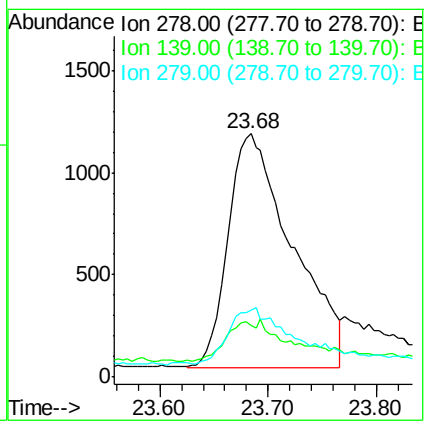


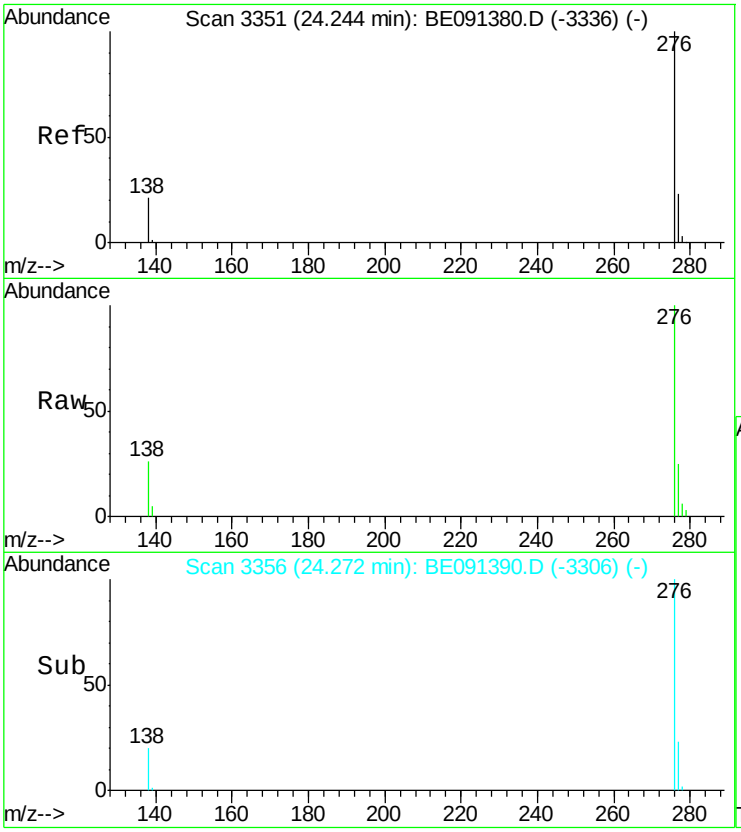


#28
Dibenzo(a,h)anthracene
Concen: 0.30 ng m
RT: 23.68 min Scan# 3227
Delta R.T. 0.04 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:278 Resp: 4729

Ion	Ratio	Lower	Upper
278	100		
139	21.1	13.0	19.4#
279	27.4	19.2	28.8

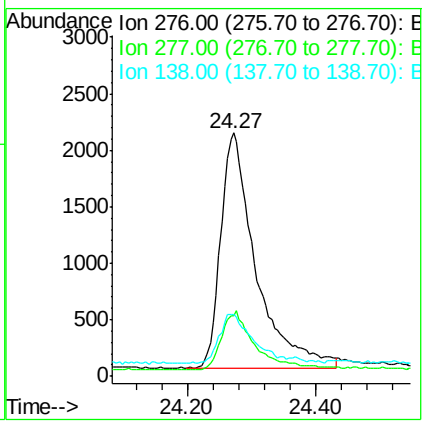




#29
Benzo(g,h,i)perylene
Concen: 0.23 ng
RT: 24.27 min Scan# 3356
Delta R.T. 0.03 min
Lab File: BE091390.D
Acq: 4 Feb 2016 11:38

Tgt Ion:276 Resp: 7985

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.9	28.3
138	25.6	17.0	25.6#



Instrument :
BNA_E
ClientSampleId :
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