Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
Data File : BE093653.D
Acq On : 3 Aug 2017 11:41
Operator : SJ/JU
Sample : I4425-02DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 13:19:16 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 10:58:31 2017
Response via : Initial Calibration

Instrument : BNA_E
ClientSampleId : CSSB-27-1-DDL

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2994	0.40 ng	0.00
7) Naphthalene-d8	10.71	136	14915	0.40 ng	0.00
13) Acenaphthene-d10	14.53	164	9870	0.40 ng	0.00
19) Phenanthrene-d10	17.24	188	24474	0.40 ng	0.00
27) Chrysene-d12	21.40	240	23325	0.40 ng	-0.01
34) Perylene-d12	23.91	264	20624	0.40 ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
4) 2-Fluorophenol	5.52	112	673	0.08 ng	0.00
5) Phenol-d6	7.09	99	1033	0.08 ng	0.00
8) Nitrobenzene-d5	9.06	82	2375	0.21 ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	1496	0.06 ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	119	0.15 ng	0.00
15) 2-Fluorobiphenyl	13.15	172	2009	0.05 ng	-0.02
25) Fluoranthene-d10	19.27	212	14296	0.05 ng	0.00
29) Terphenyl-d14	19.86	244	2486	0.06 ng	0.00

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
9) Naphthalene	10.76	128	59776	0.346 ng	#	96
12) 2-Methylnaphthalene	12.36	142	18181	0.637 ng		99
17) Acenaphthene	14.58	154	8550m	0.257 ng		
18) Fluorene	15.56	166	17675	0.397 ng	#	53
23) Phenanthrene	17.27	178	60953	1.133 ng	#	81
26) Fluoranthene	19.30	202	1769	0.021 ng	#	79
28) Pyrene	19.67	202	5711m	0.076 ng		
32) Bis(2-ethylhexyl)phthalate	21.30	149	6442	0.069 ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
Data File : BE093653.D
Acq On : 3 Aug 2017 11:41
Operator : SJ/JU
Sample : I4425-02DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 13:19:16 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 10:58:31 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

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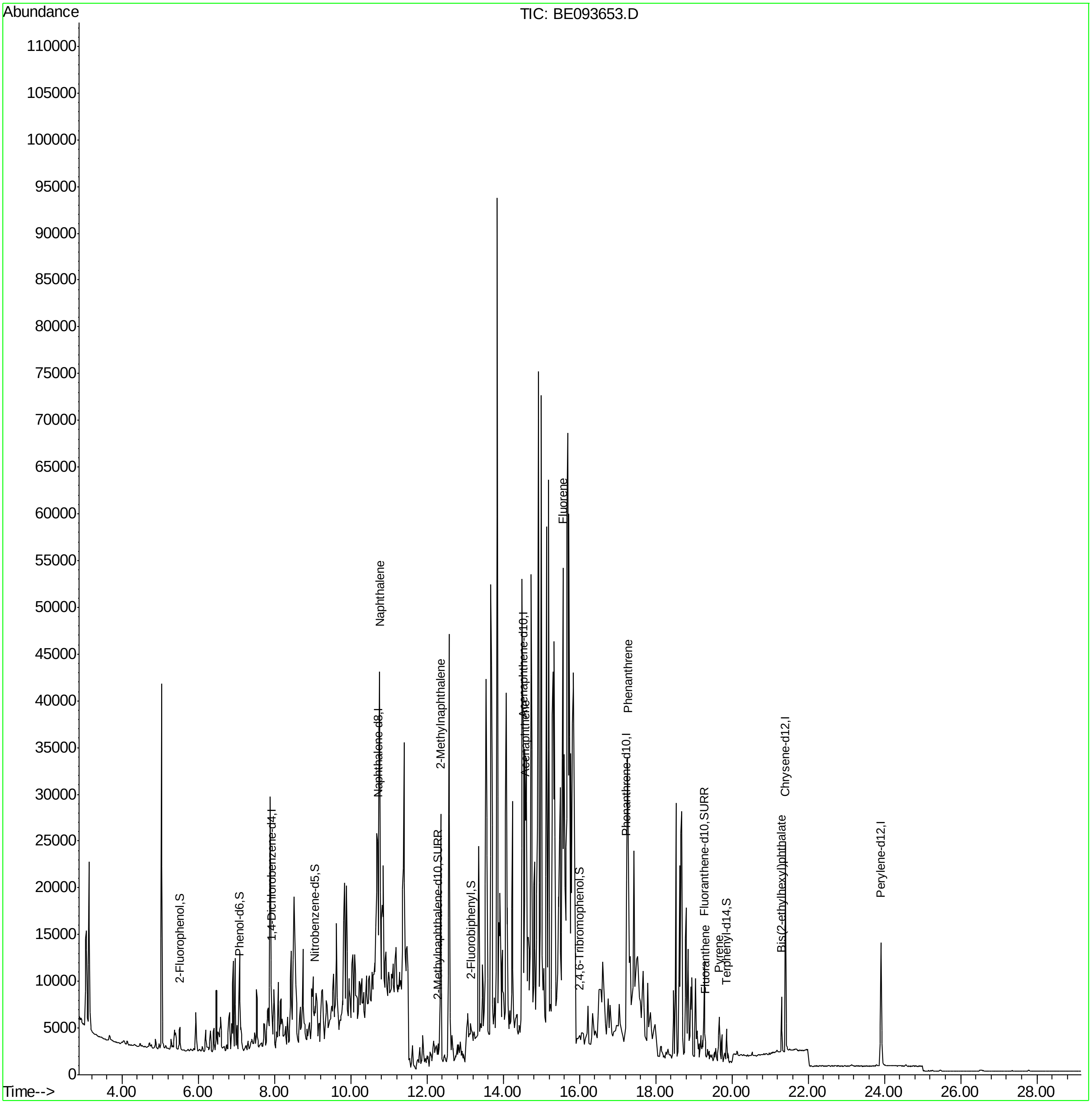

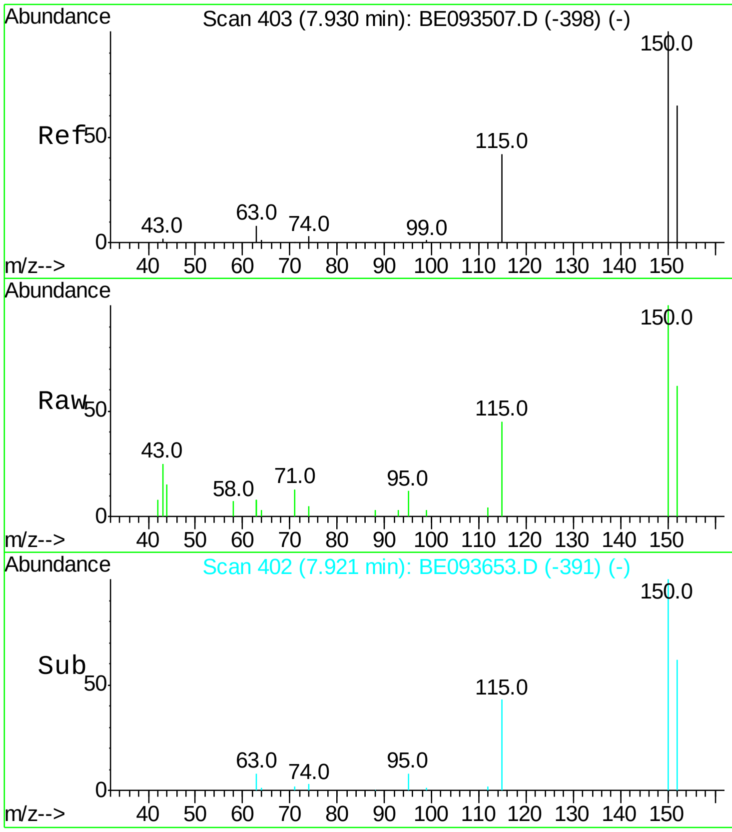

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:152 Resp: 2994

Ion	Ratio	Lower	Upper
152	100		
150	160.5	125.1	187.7
115	72.1	55.7	83.5

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

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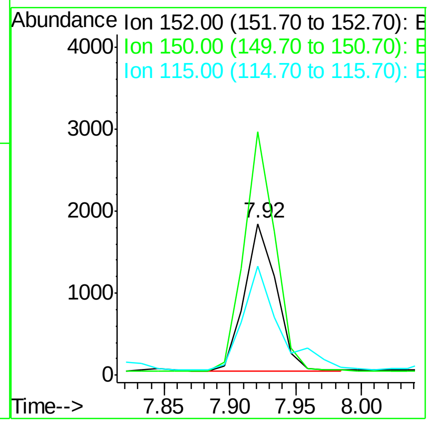
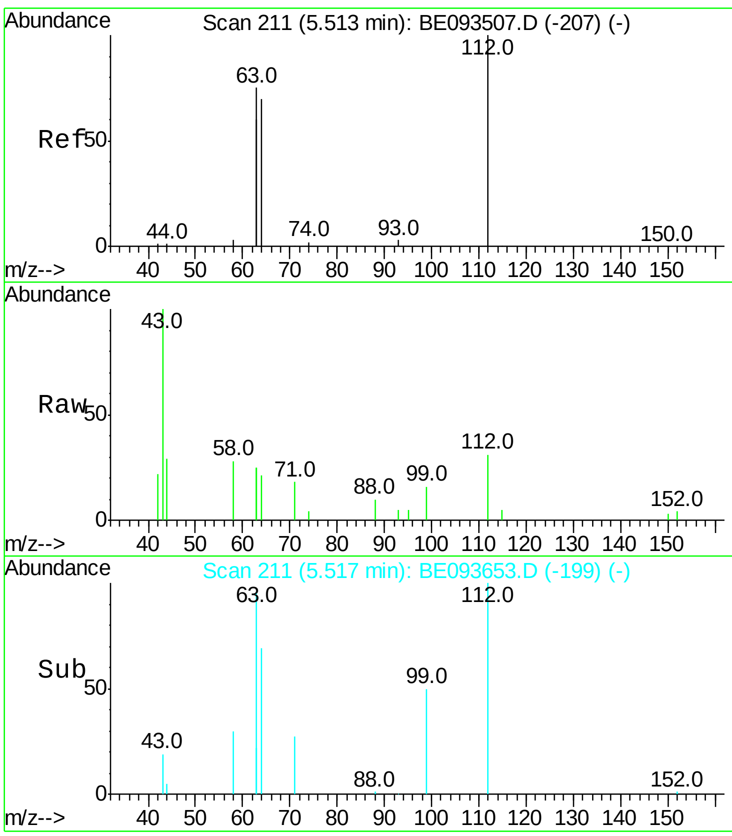
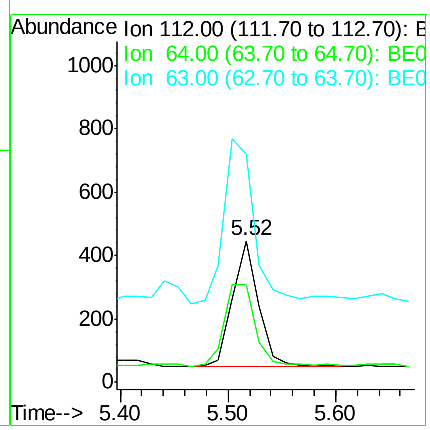


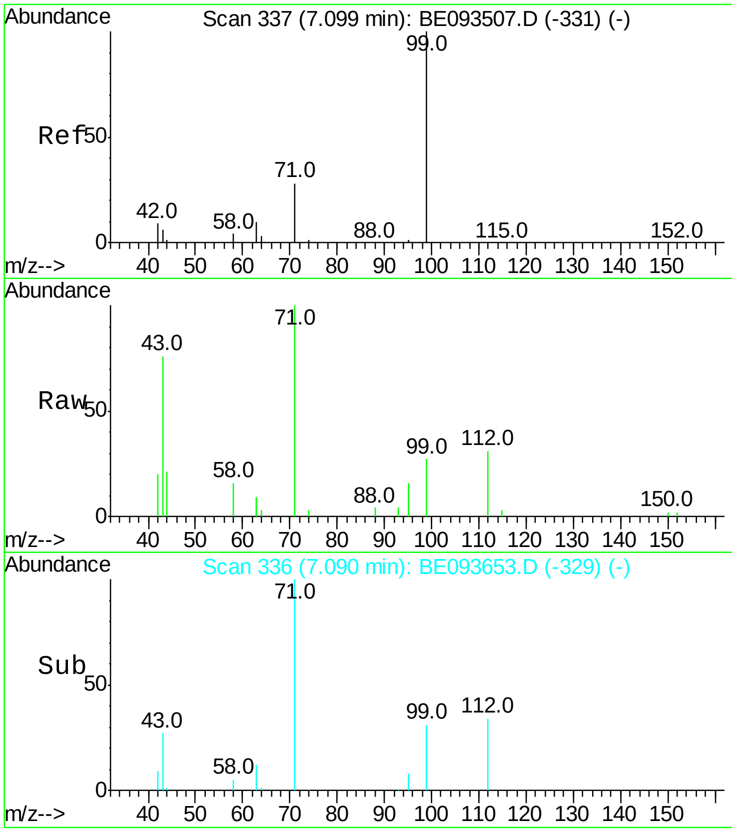


#4
2-Fluorophenol
Concen: 0.075 ng
RT: 5.52 min Scan# 211
Delta R.T. 0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:112 Resp: 673

Ion	Ratio	Lower	Upper
112	100		
64	78.2	56.4	84.6
63	149.8	29.3	43.9#





#5
Phenol-d6
Concen: 0.077 ng
RT: 7.09 min Scan# 336
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion: 99 Resp: 1033

Ion	Ratio	Lower	Upper
99	100		
42	148.1	0.0	0.0#
71	703.4	0.0	0.0#

Instrument : BNA_E
ClientSampleId : CSSB-27-1-DDL

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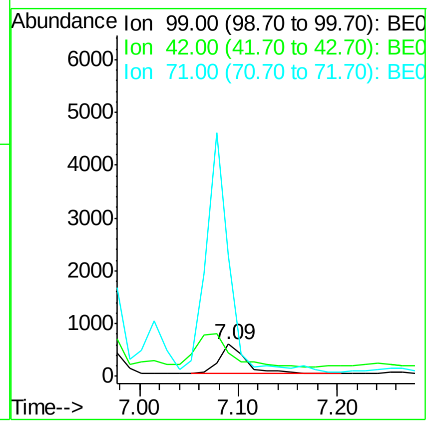
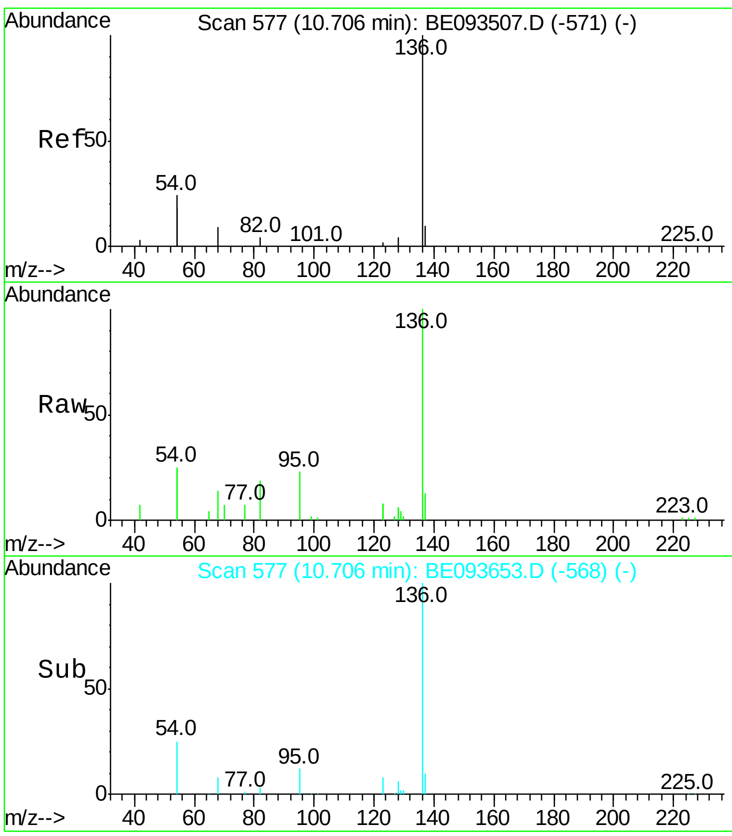
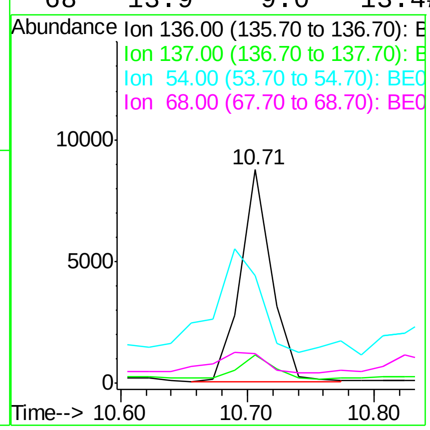


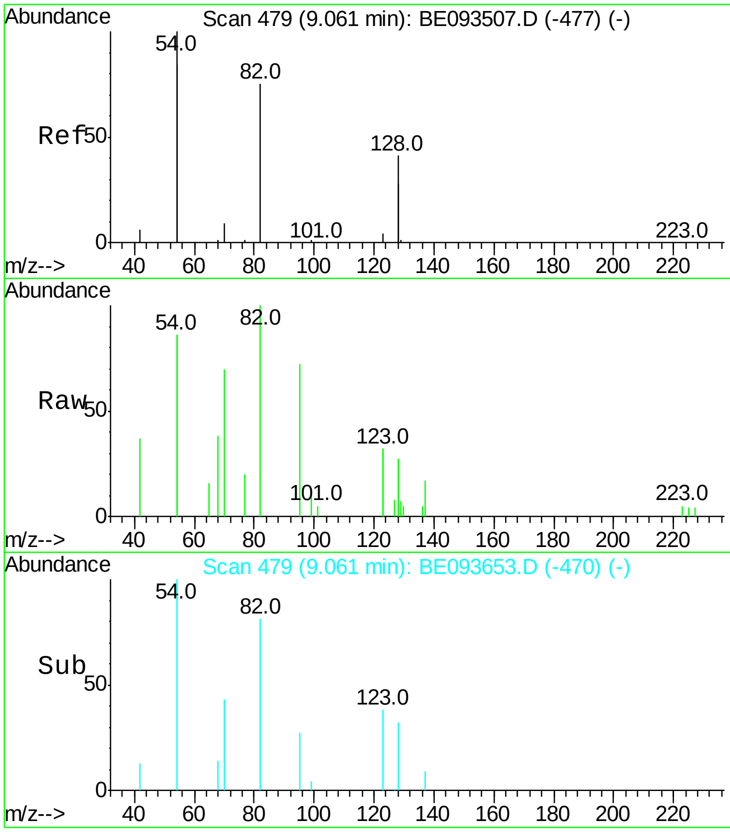


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:136 Resp: 14915

Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.8	14.8
54	50.2	10.3	15.5#
68	13.9	9.0	13.4#





#8
Nitrobenzene-d5
Concen: 0.209 ng
RT: 9.06 min Scan# 479
Delta R.T. 0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

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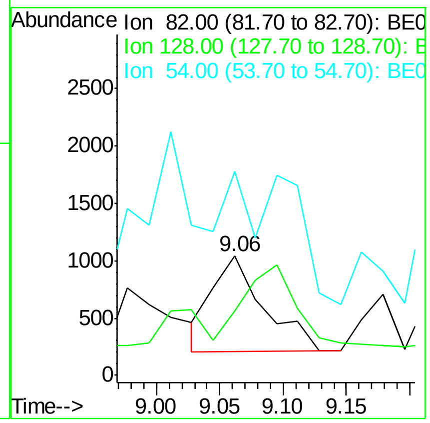
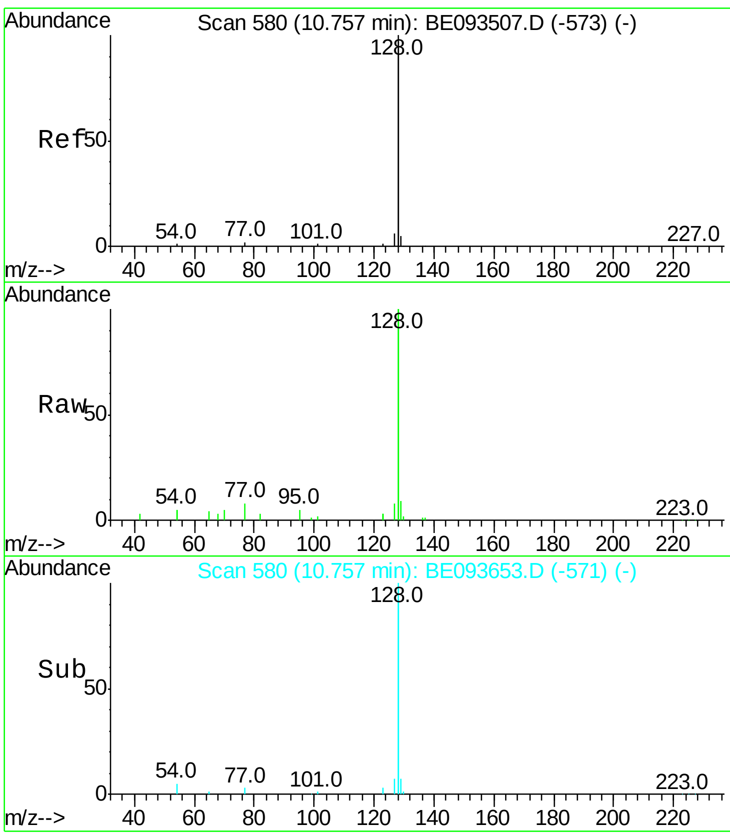
Tgt Ion: 82 Resp: 2375

Ion	Ratio	Lower	Upper
82	100		
128	54.2	17.0	25.4#
54	171.1	53.8	80.6#

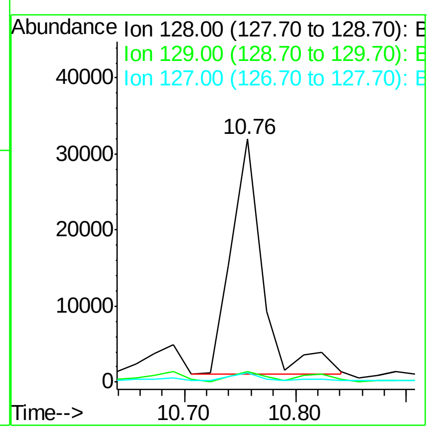


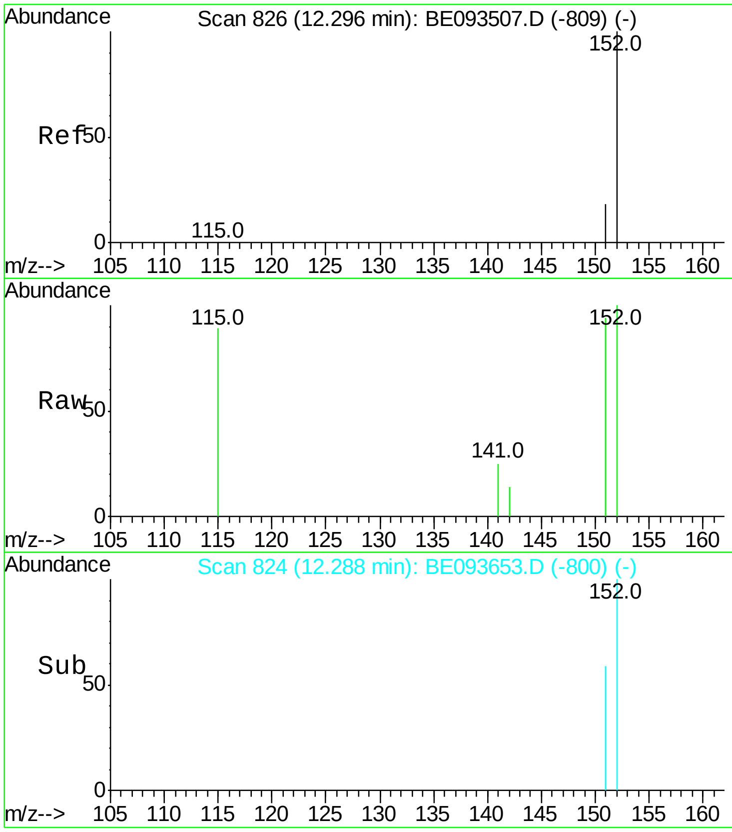


#9
Naphthalene
Concen: 0.346 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:128 Resp: 59776

Ion	Ratio	Lower	Upper
128	100		
129	4.4	2.4	3.6#
127	4.0	2.4	3.6#





#11
2-Methylnaphthalene-d10
Concen: 0.063 ng
RT: 12.29 min   Scan# 824
Delta R.T.   -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017   11:41

Tgt Ion:152	Resp:		1496
Ion	Ratio	Lower	Upper
152	100		
151	95.3	15.1	22.7#

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

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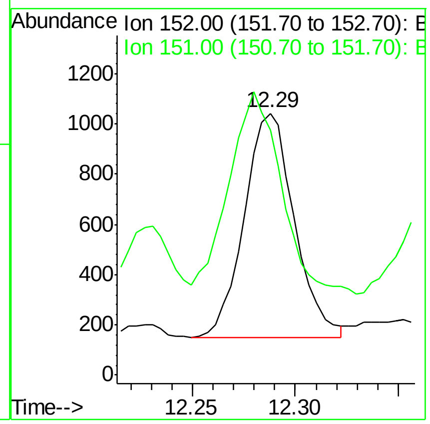
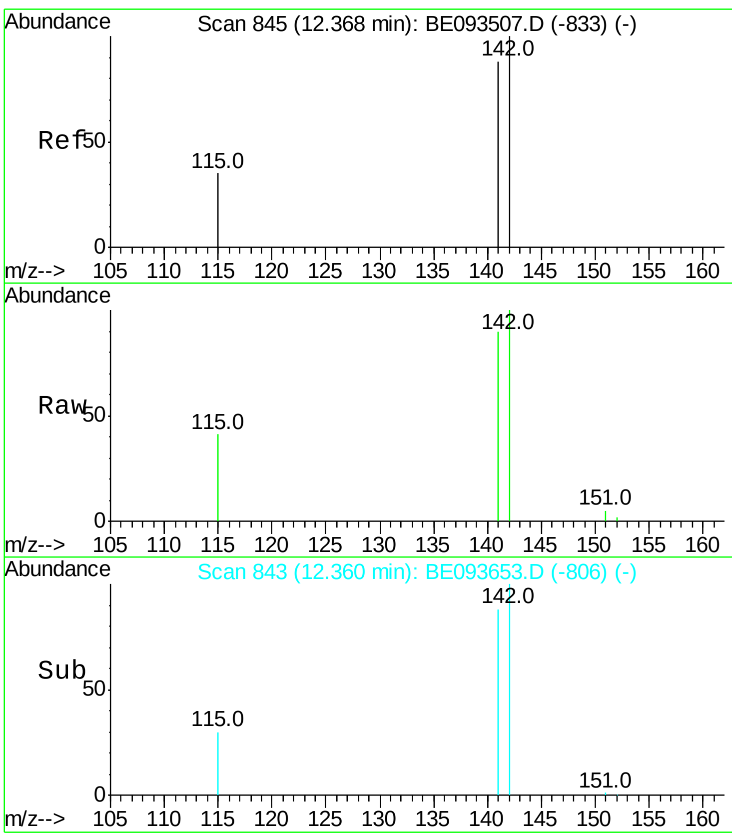
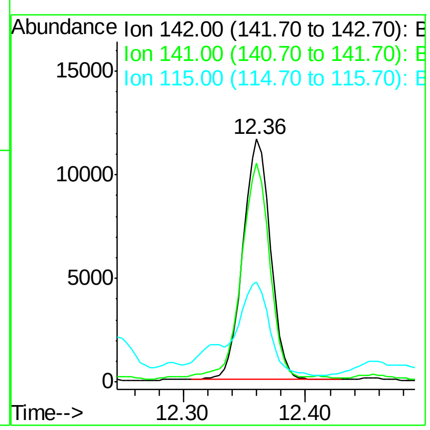
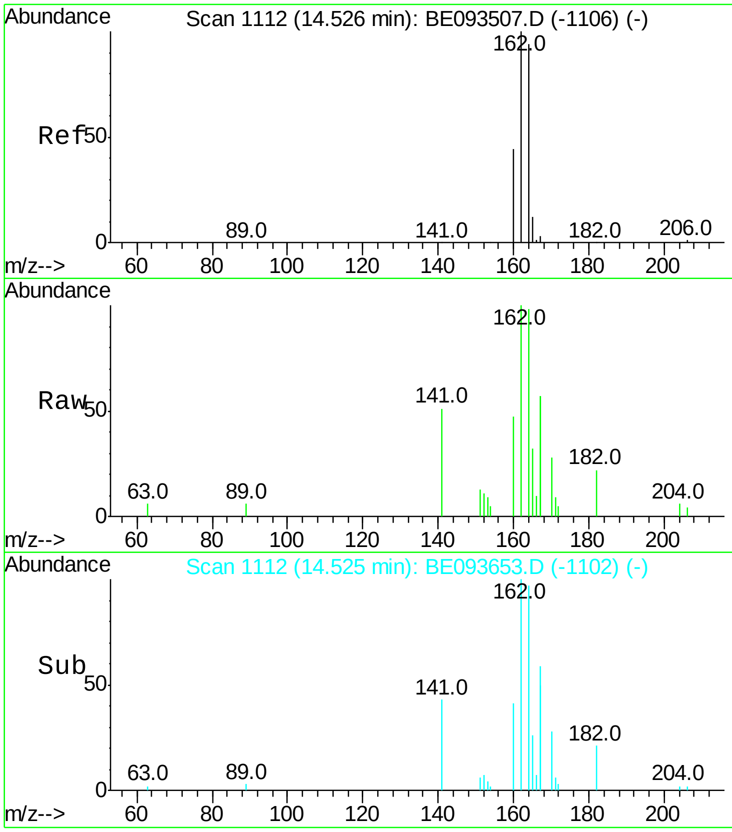




#12
2-Methylnaphthalene
Concen: 0.637 ng
RT: 12.36 min   Scan# 843
Delta R.T.   -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017   11:41

Tgt Ion:142	Resp:		18181
Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.6	108.8
115	41.1	32.2	48.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:164 Resp: 9870

Ion	Ratio	Lower	Upper
164	100		
162	102.1	84.6	127.0
160	48.0	41.8	62.6

Instrument :
BNA_E
ClientSampleId :
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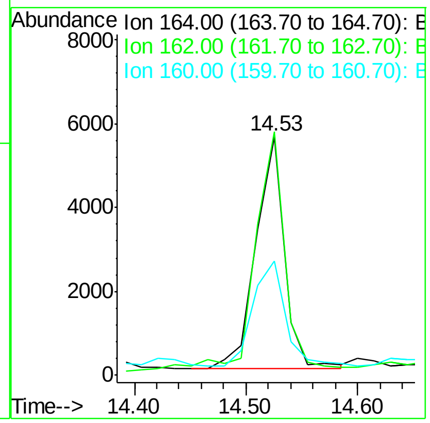
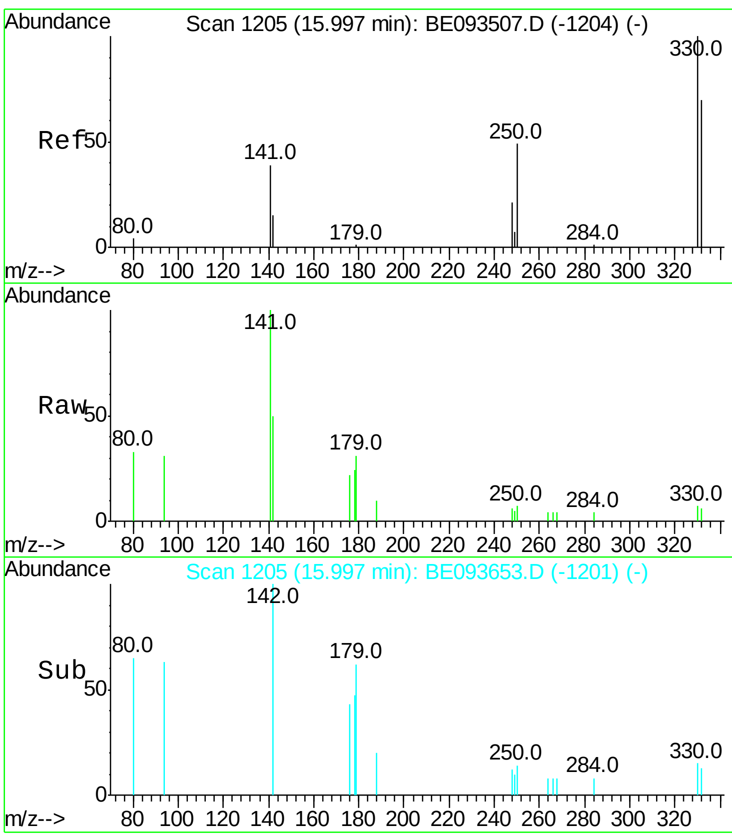
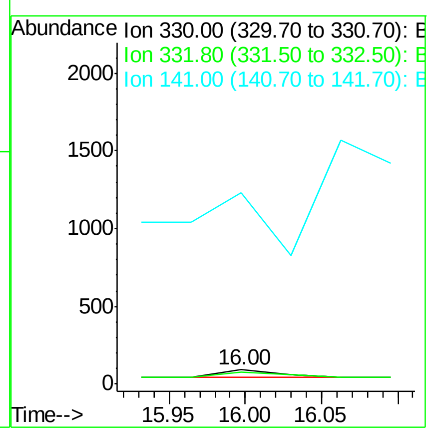


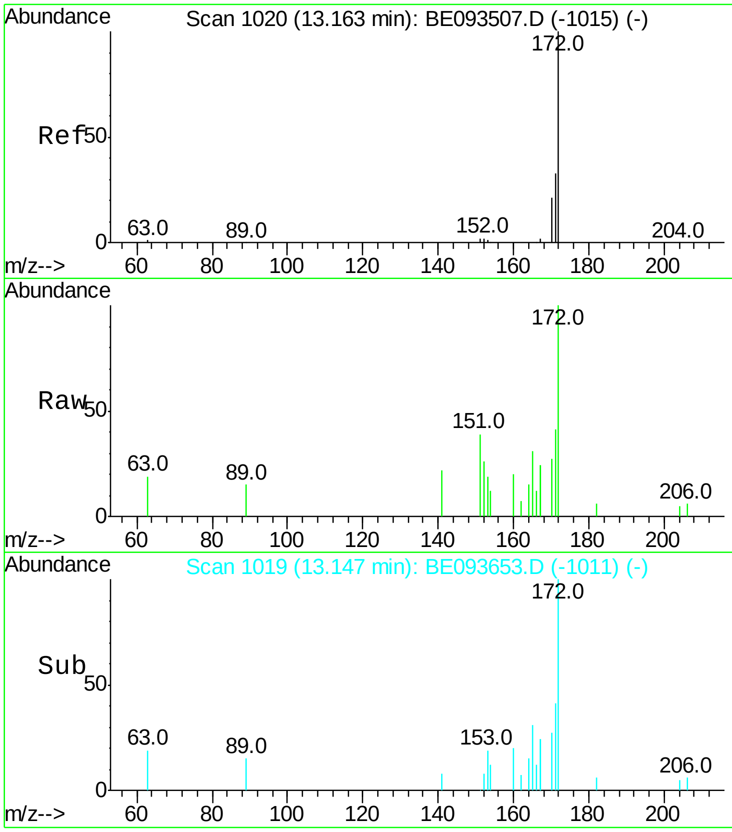


#14
2,4,6-Tribromophenol
Concen: 0.148 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:330 Resp: 119

Ion	Ratio	Lower	Upper
330	100		
332	85.7	77.7	116.5
141	0.0	56.2	84.4#






```
#15
2-Fluorobiphenyl
Concen:     0.051 ng
RT: 13.15 min   Scan# 1019
Delta R.T.    -0.02 min
Lab File:    BE093653.D
Acq:  3 Aug 2017   11:41

Tgt Ion:172 Resp:    2009
Ion  Ratio  Lower   Upper
172  100
171   41.4   29.8   44.6
170   27.0   20.7   31.1
```

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

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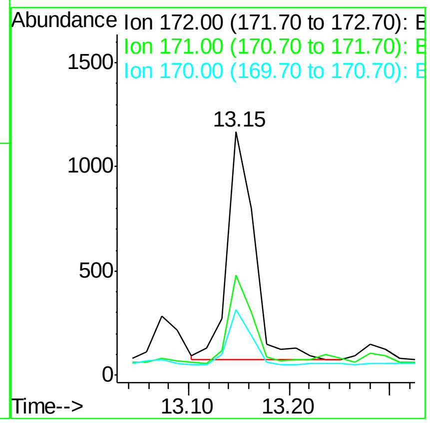
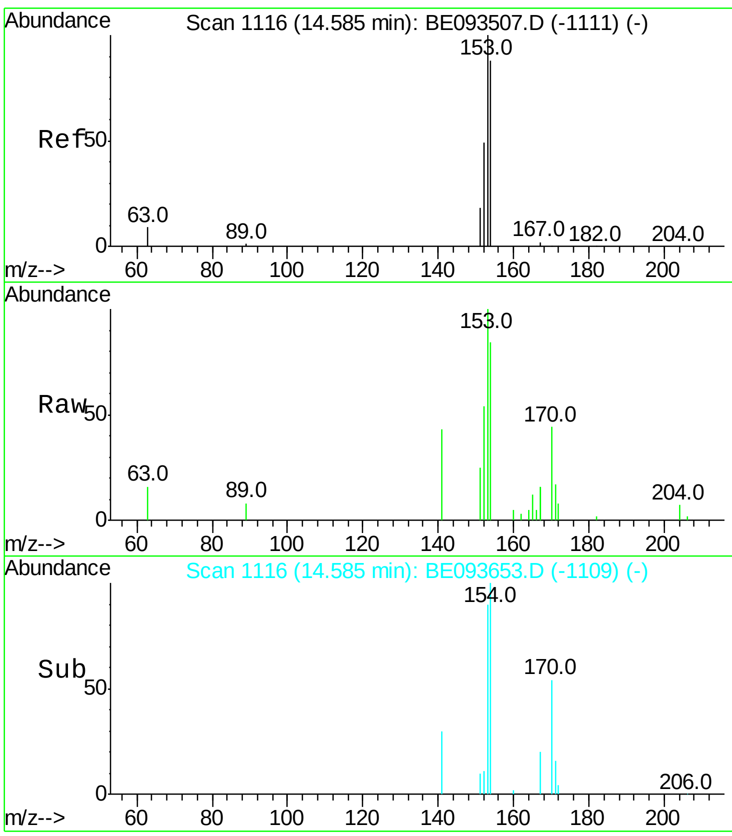
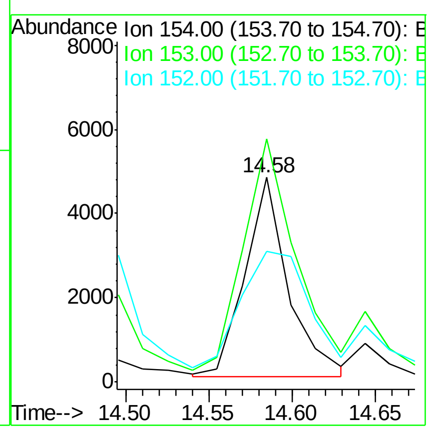
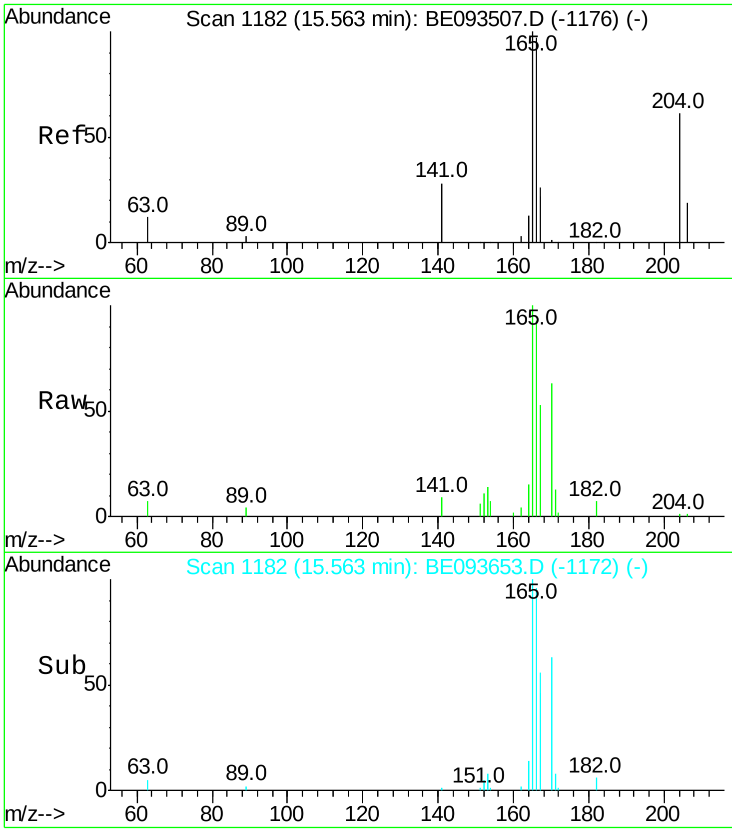





```
#17
Acenaphthene
Concen:     0.257 ng m
RT: 14.58 min   Scan# 1116
Delta R.T.    -0.00 min
Lab File:    BE093653.D
Acq:  3 Aug 2017   11:41

Tgt Ion:154 Resp:    8550
Ion  Ratio  Lower   Upper
154  100
153    0.0   91.2  136.8#
152    0.0   44.8   67.2#
```





#18
Fluorene
Concen: 0.397 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Instrument : BNA_E
ClientSampleId : CSSB-27-1-DDL

Manual Integrations APPROVED
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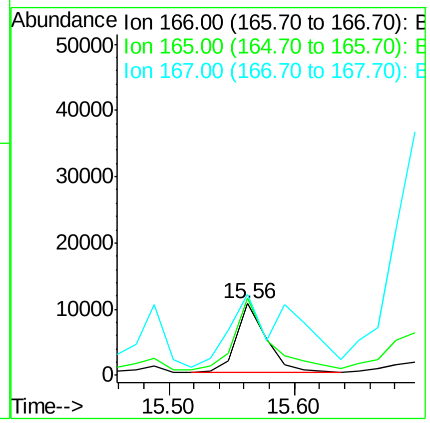
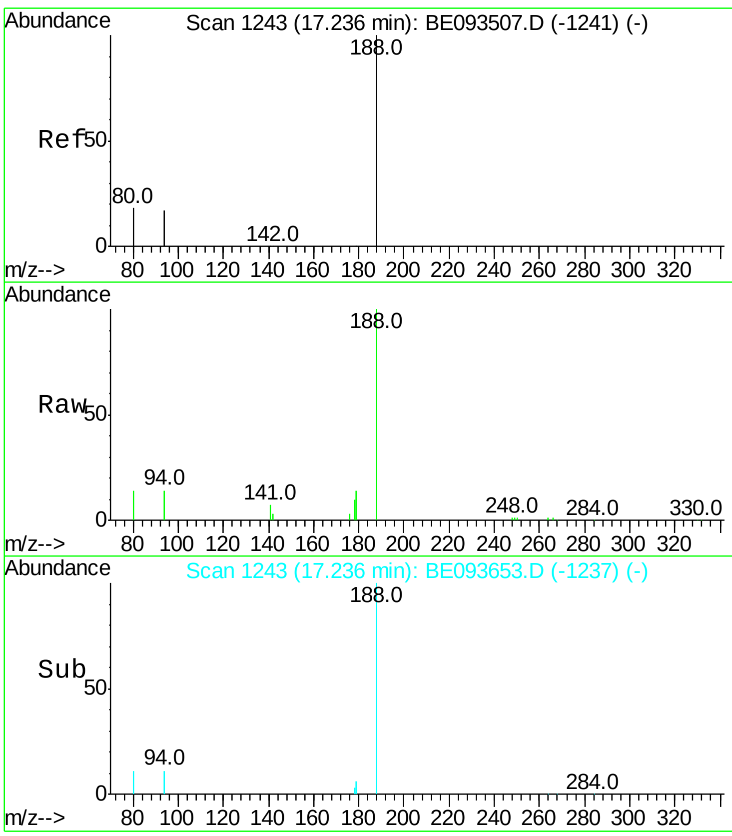
Tgt Ion:166 Resp: 17675

Ion	Ratio	Lower	Upper
166	100		
165	116.8	78.6	117.8
167	112.5	11.1	16.7#

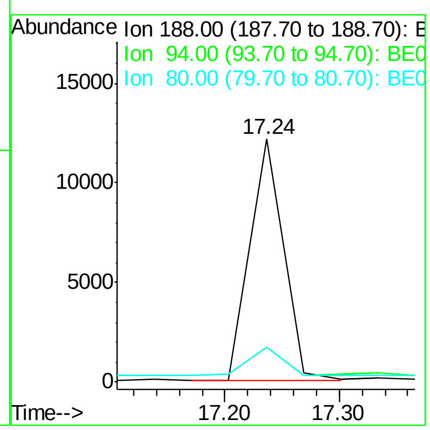


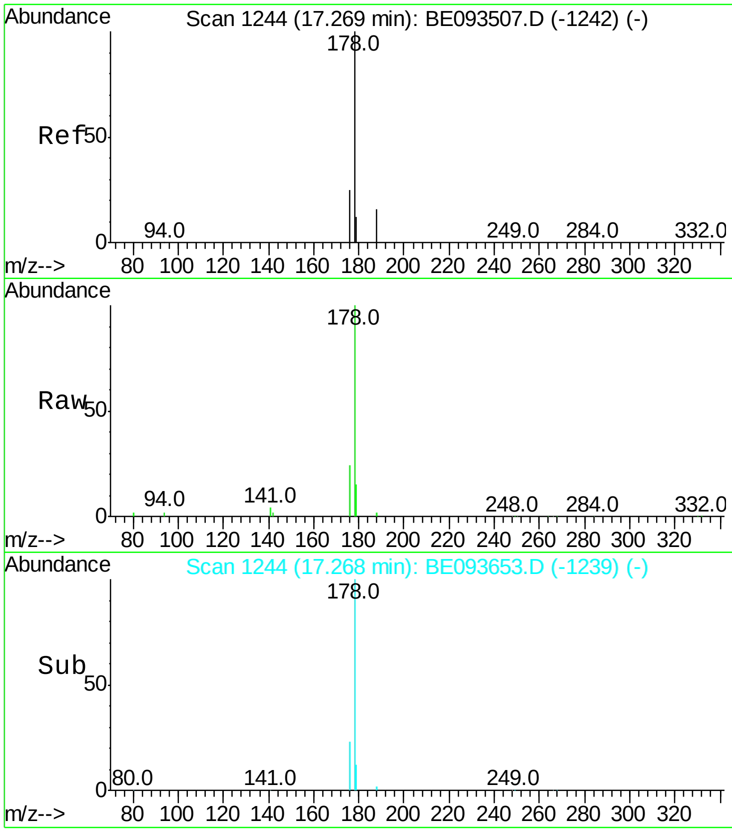


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:188 Resp: 24474

Ion	Ratio	Lower	Upper
188	100		
94	14.2	11.3	16.9
80	14.3	11.7	17.5





#23
Phenanthrene
Concen: 1.133 ng
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:178 Resp: 60953

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.0	22.4
179	0.0	12.7	19.1#

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

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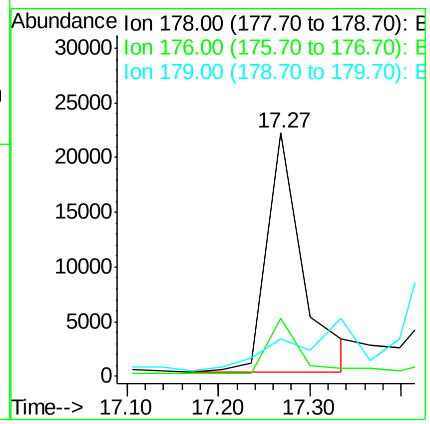
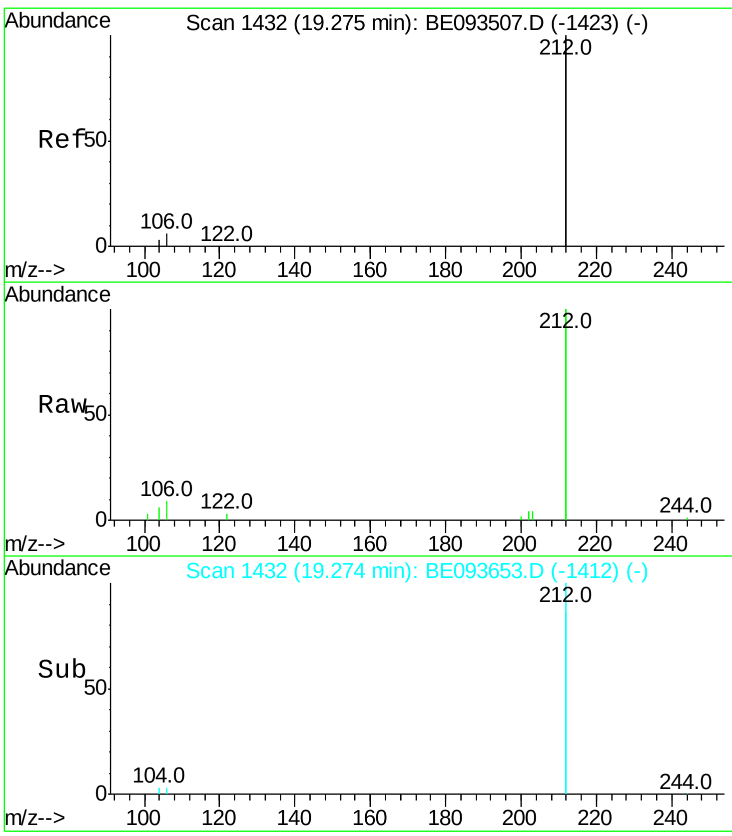
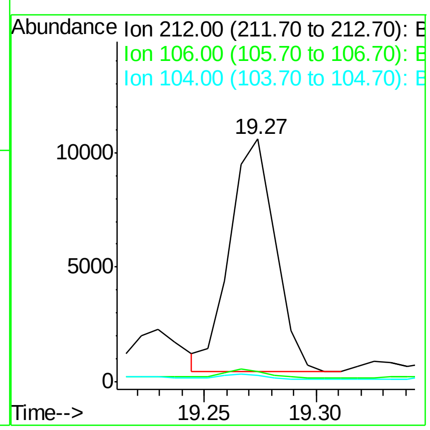


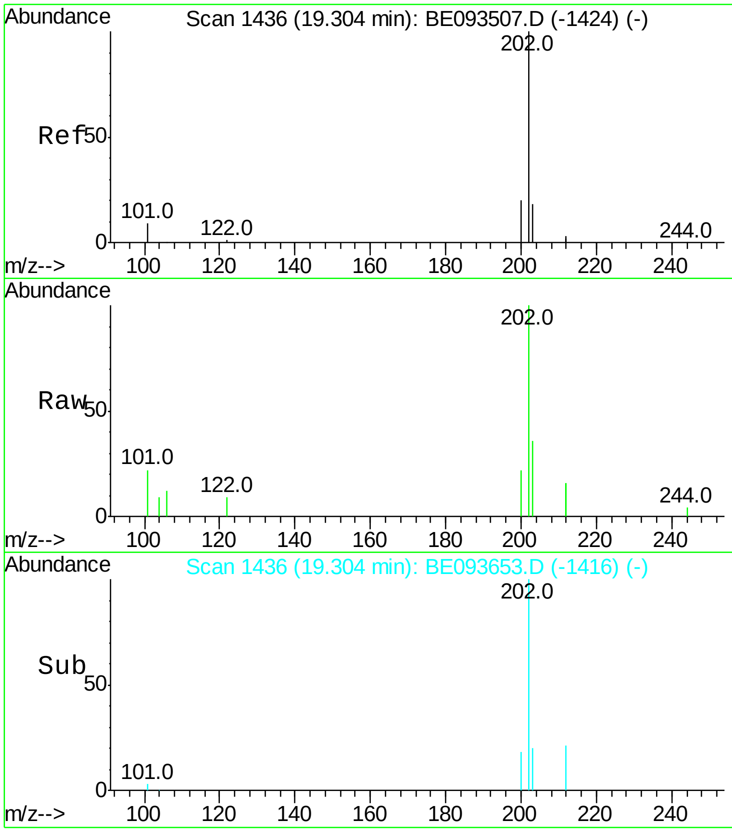


#25
Fluoranthene-d10
Concen: 0.051 ng
RT: 19.27 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:212 Resp: 14296

Ion	Ratio	Lower	Upper
212	100		
106	3.7	2.4	3.6#
104	2.2	1.6	2.4





#26
Fluoranthene
Concen: 0.021 ng
RT: 19.30 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:202 Resp: 1769

Ion	Ratio	Lower	Upper
202	100		
101	19.2	9.6	14.4#
203	27.8	14.4	21.6#

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

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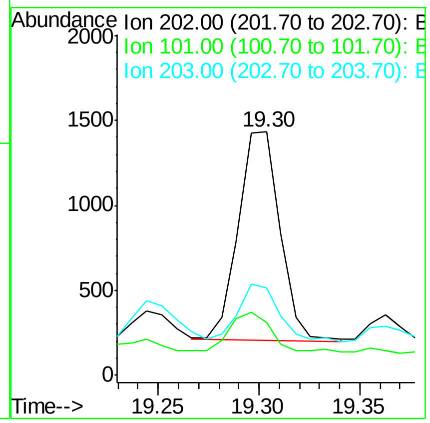
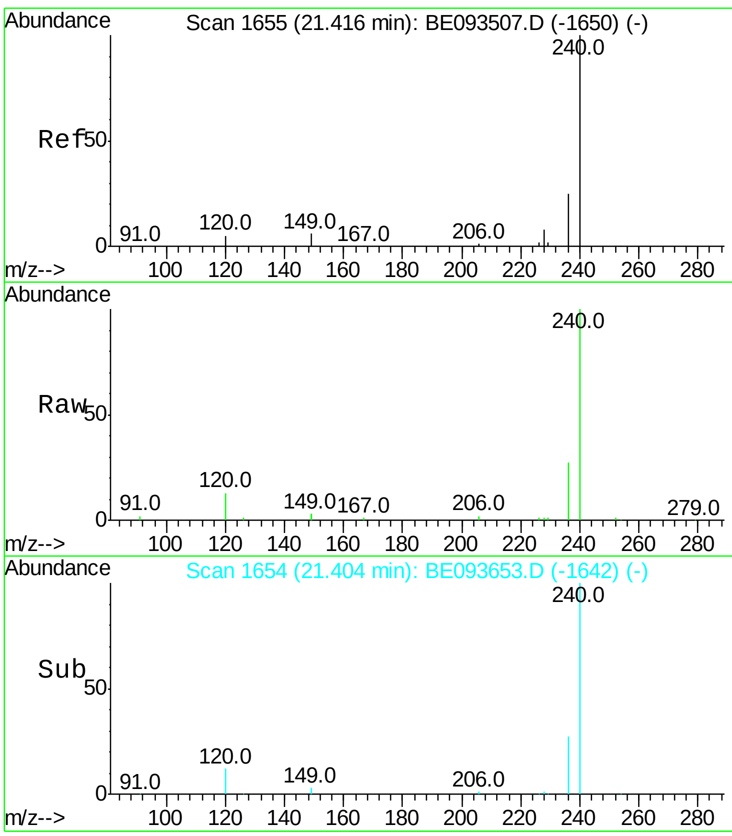
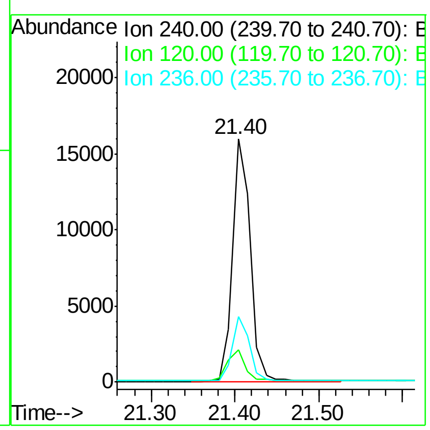


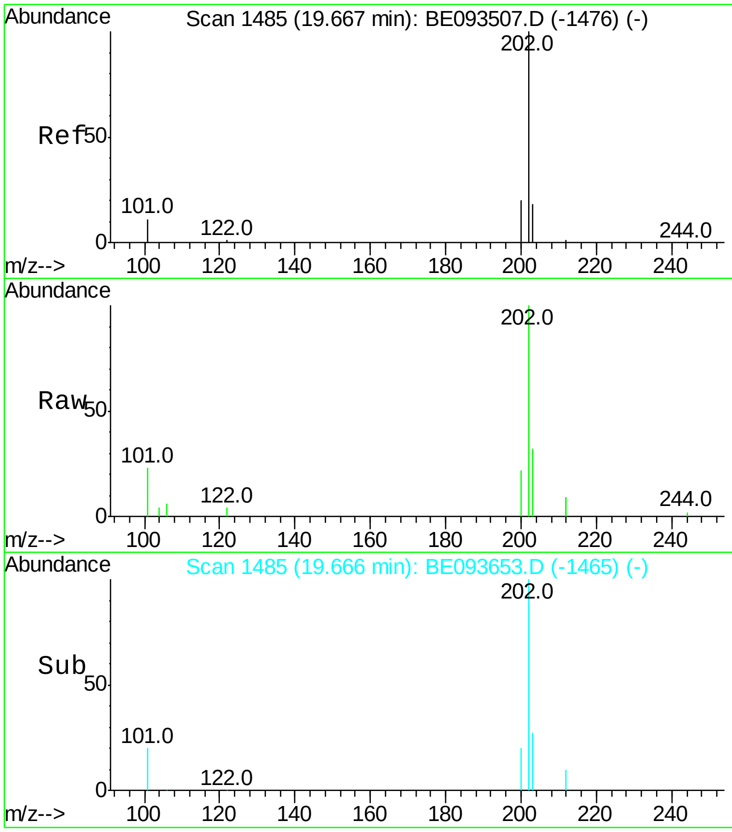


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:240 Resp: 23325

Ion	Ratio	Lower	Upper
240	100		
120	13.1	4.6	7.0#
236	27.2	20.8	31.2





#28
Pyrene
Concen: 0.076 ng m
RT: 19.67 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:202 Resp: 5711

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	0.0	13.7	20.5#

Instrument :
BNA_E
ClientSampleId :
CSSB-27-1-DDL

Manual Integrations APPROVED
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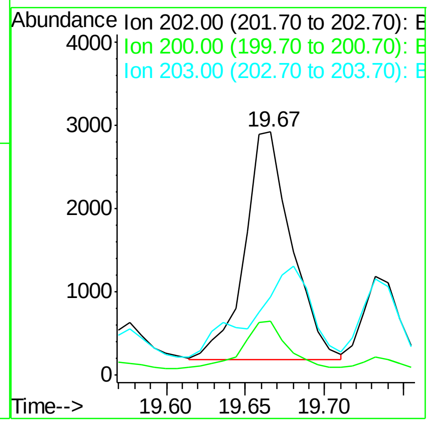
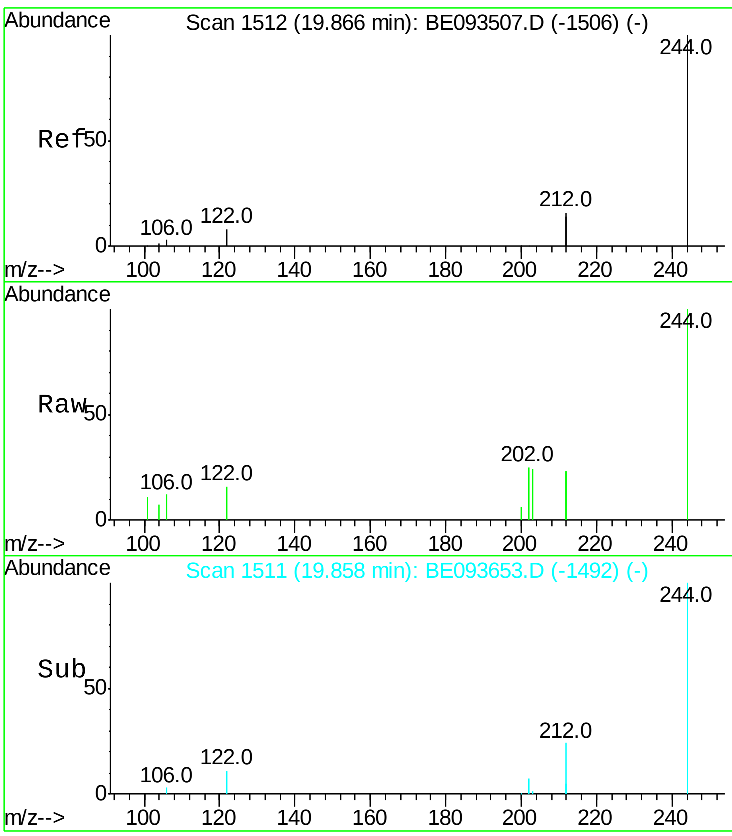
8/4/2017 5:29:08 PM

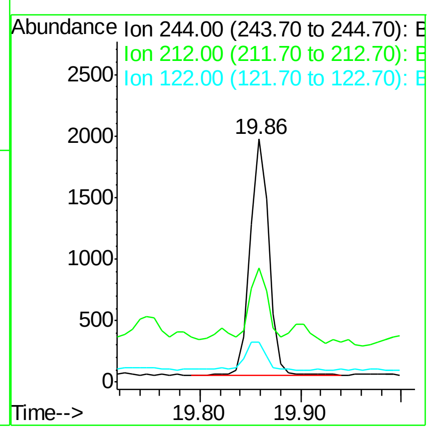


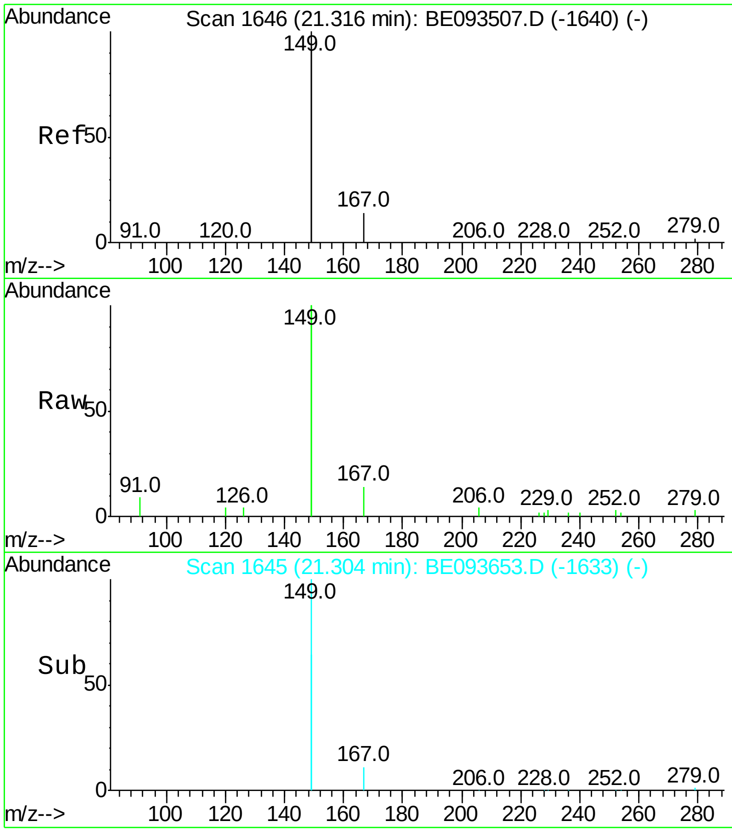


#29
Terphenyl-d14
Concen: 0.059 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:244 Resp: 2486

Ion	Ratio	Lower	Upper
244	100		
212	46.8	10.6	16.0#
122	16.2	15.4	23.0





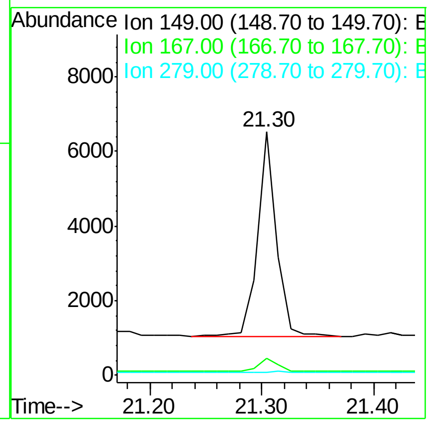
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.069 ng
RT: 21.30 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

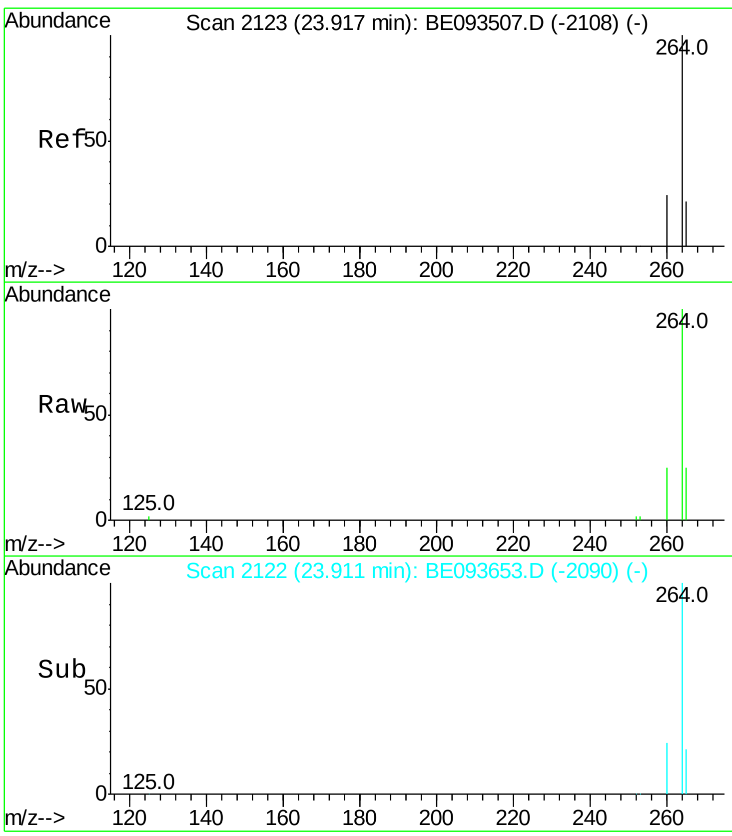
Instrument : BNA_E
ClientSampleId : CSSB-27-1-DDL

Manual Integrations APPROVED
Sohil
8/4/2017 5:29:08 PM

Tgt Ion:149 Resp: 6442

Ion	Ratio	Lower	Upper
149	100		
167	6.3	4.8	7.2
279	1.1	0.8	1.2





#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.01 min
Lab File: BE093653.D
Acq: 3 Aug 2017 11:41

Tgt Ion:264 Resp: 20624

Ion	Ratio	Lower	Upper
264	100		
260	24.8	21.0	31.4
265	24.9	24.6	36.8