Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
Data File : BE091543.D
Acq On : 28 Mar 2016 18:33
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
Sohil
3/29/2016 5:05:48 PM

Quant Time: Mar 29 01:22:14 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 25 19:00:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	33362	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	159685	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	91572	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	238969	5.00	ng	0.00
22) Chrysene-d12	21.33	240	249495	5.00	ng	0.00
28) Perylene-d12	23.78	264	247035	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	2475	0.38	ng	-0.02
5) Phenol-d6	6.97	99	3219	0.36	ng	-0.02
7) Nitrobenzene-d5	8.97	82	2585	0.37	ng	-0.01
11) 2,4,6-Tribromophenol	15.91	330	608m	0.39	ng	-0.01
12) 2-Fluorobiphenyl	13.06	172	10204	0.40	ng	-0.01
24) Terphenyl-d14	19.78	244	14823	0.36	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	1820	0.41	ng	93
3) n-Nitrosodimethylamine	3.68	42	1560	0.41	ng	84
8) Naphthalene	10.63	128	12699	0.39	ng	99
9) 2-Methylnaphthalene	12.26	142	7689	0.38	ng	96
13) Acenaphthylene	14.15	152	11821	0.37	ng	96
14) Acenaphthene	14.49	154	9102	0.40	ng	99
15) Fluorene	15.47	166	10542	0.38	ng	99
17) Hexachlorobenzene	16.48	284	3216	0.38	ng	95
18) Pentachlorophenol	16.81	266	785	0.44	ng	99
19) Phenanthrene	17.21	178	21584	0.39	ng	100
20) Anthracene	17.30	178	16585	0.37	ng	100
21) Fluoranthene	19.21	202	18937	0.37	ng	99
23) Pyrene	19.57	202	21045	0.36	ng	98
25) Benzo(a)anthracene	21.31	228	20517m	0.36	ng	
26) Chrysene	21.36	228	28263m	0.37	ng	
27) Indeno(1,2,3-cd)pyrene	26.36	276	20894	0.36	ng	99
29) Benzo(b)fluoranthene	23.03	252	21783	0.40	ng	99
30) Benzo(k)fluoranthene	23.08	252	18875	0.35	ng	97
31) Benzo(a)pyrene	23.67	252	16157	0.49	ng	98
32) Dibenzo(a,h)anthracene	26.39	278	17670	0.36	ng	98
33) Benzo(g,h,i)perylene	27.15	276	18554	0.36	ng	99

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

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BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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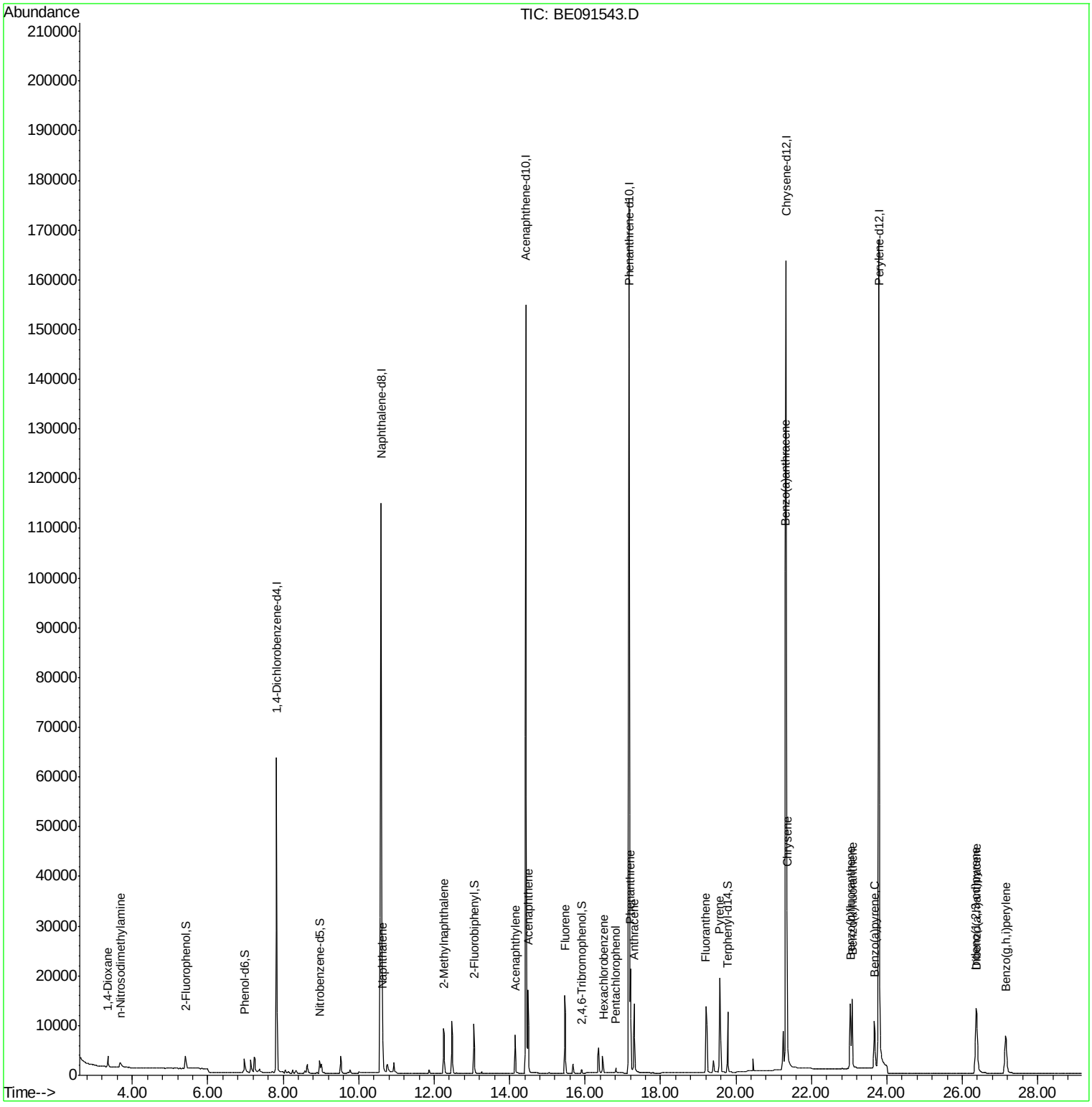
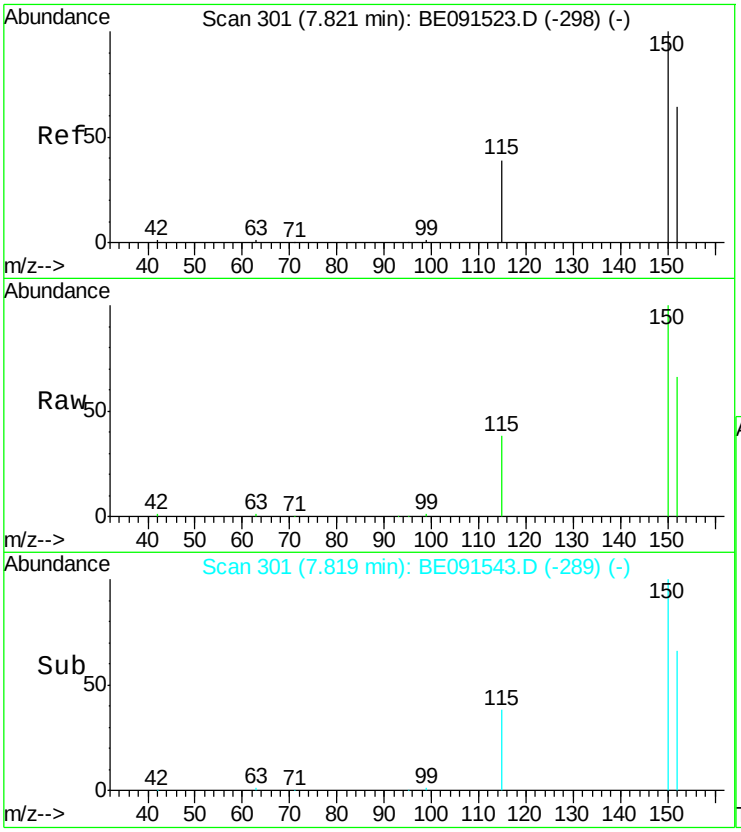
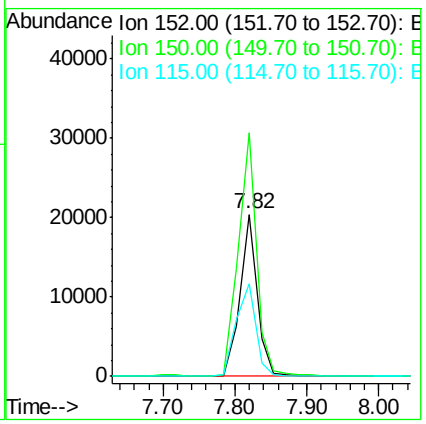




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:152 Resp: 33362

Ion	Ratio	Lower	Upper
152	100		
150	150.4	122.2	183.2
115	57.0	45.9	68.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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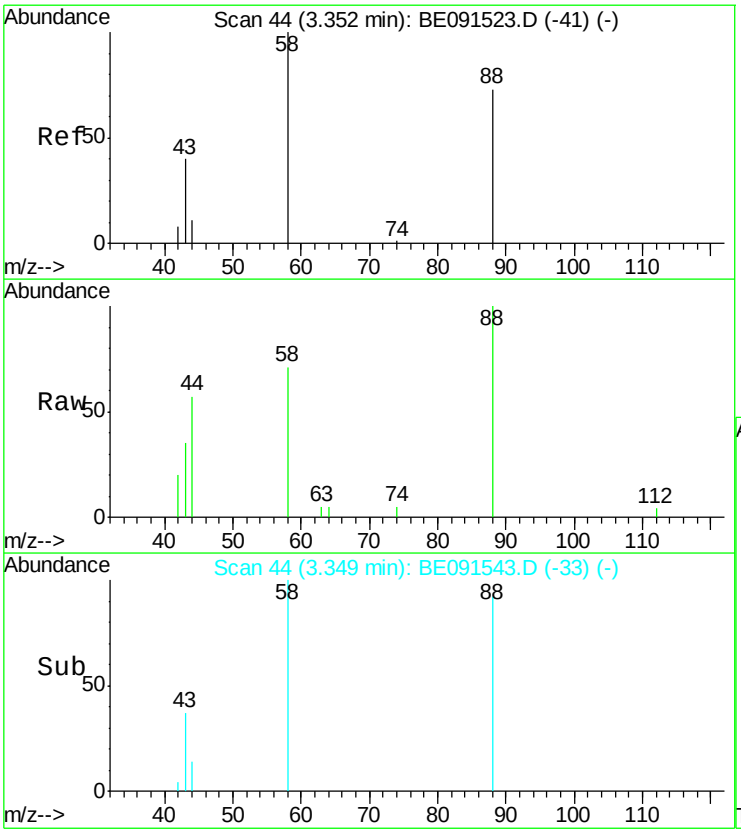
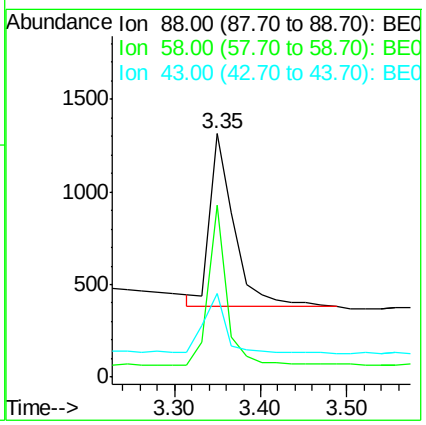
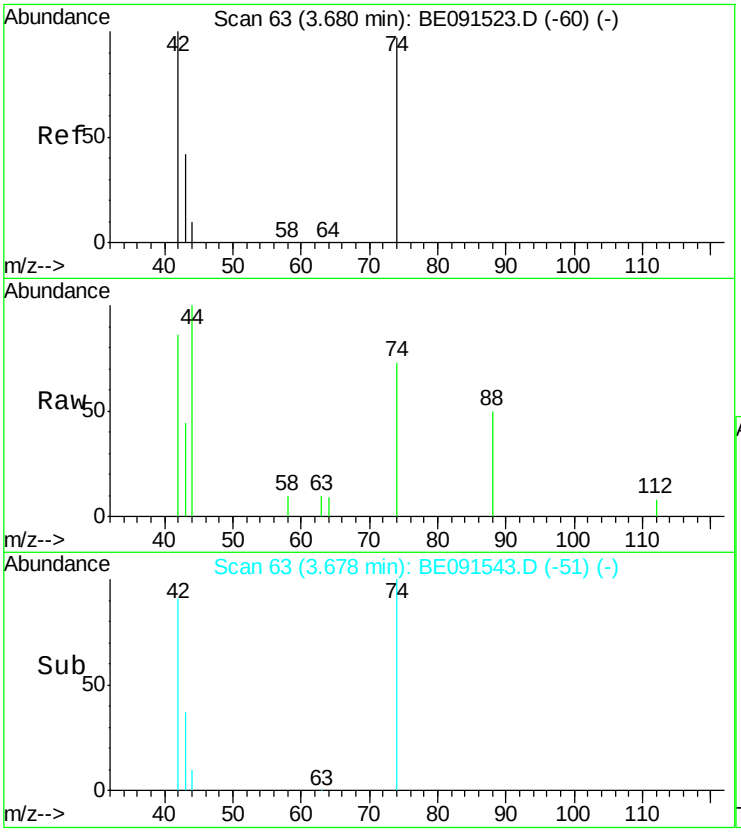


#2
1,4-Dioxane
Concen: 0.41 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.02 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion: 88 Resp: 1820

Ion	Ratio	Lower	Upper
88	100		
58	69.3	61.0	91.6
43	30.0	25.4	38.2

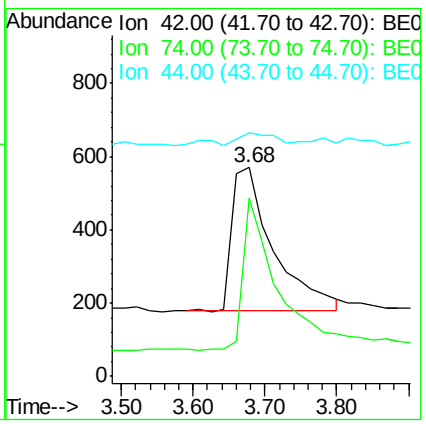




#3
n-Nitrosodimethylamine
Concen: 0.41 ng
RT: 3.68 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion: 42 Resp: 1560

Ion	Ratio	Lower	Upper
42	100		
74	87.3	84.3	126.5
44	8.8	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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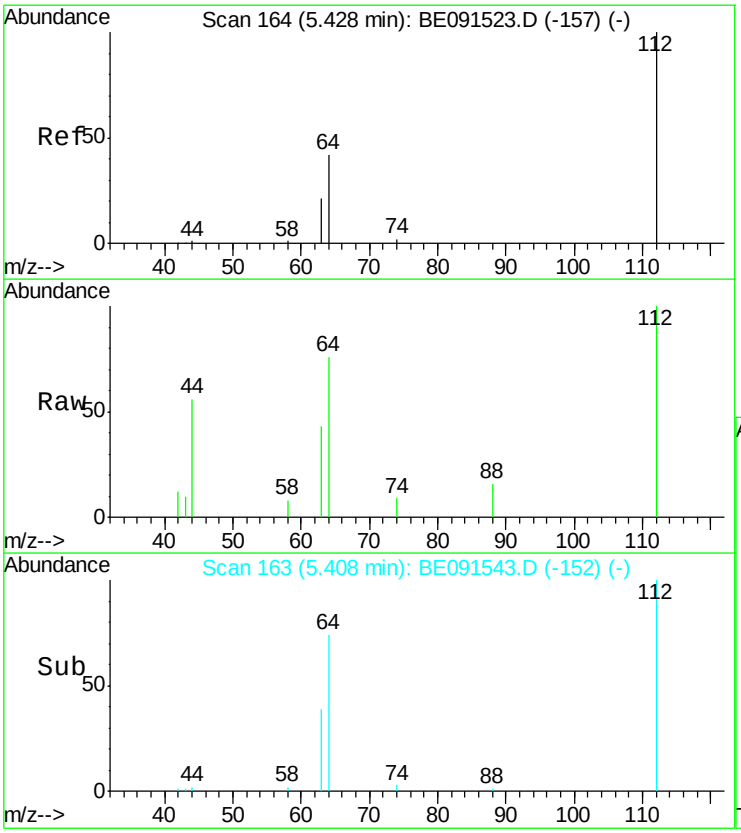
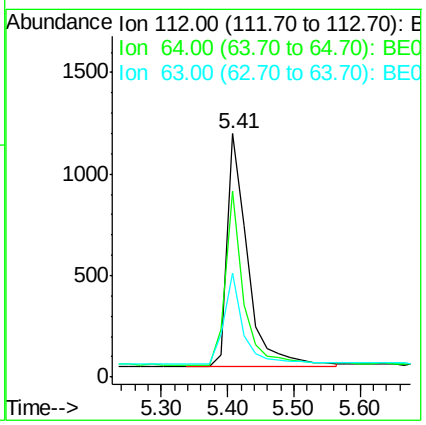
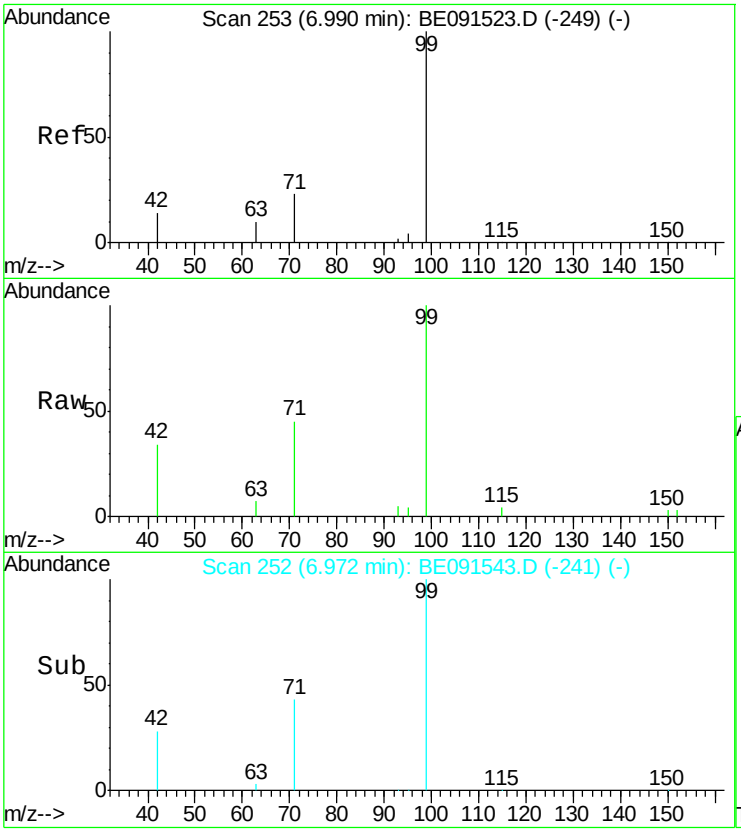


#4
2-Fluorophenol
Concen: 0.38 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:112 Resp: 2475

Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.3	79.9
63	36.2	29.8	44.8

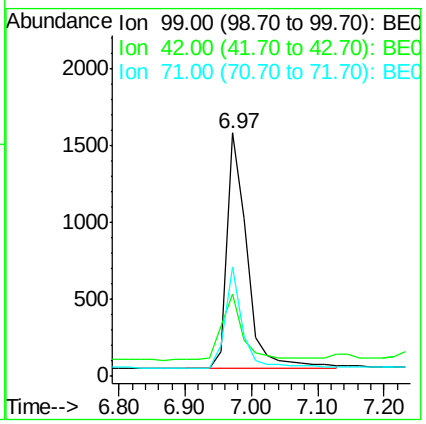




#5
Phenol-d6
Concen: 0.36 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion: 99 Resp: 3219

Ion	Ratio	Lower	Upper
99	100		
42	29.7	20.6	30.8
71	37.2	29.0	43.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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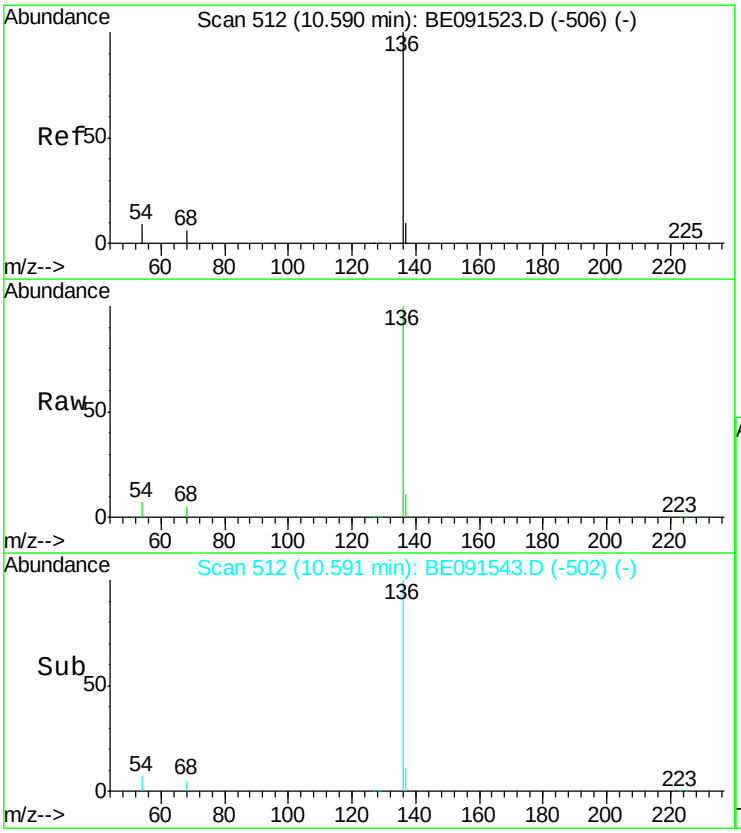
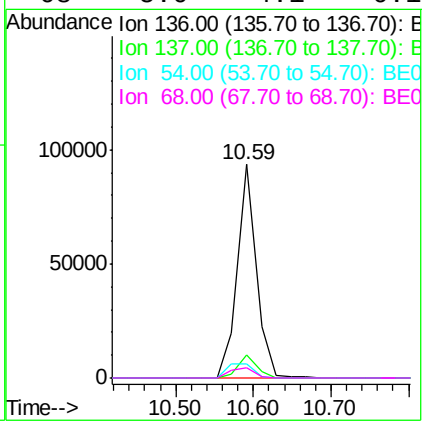
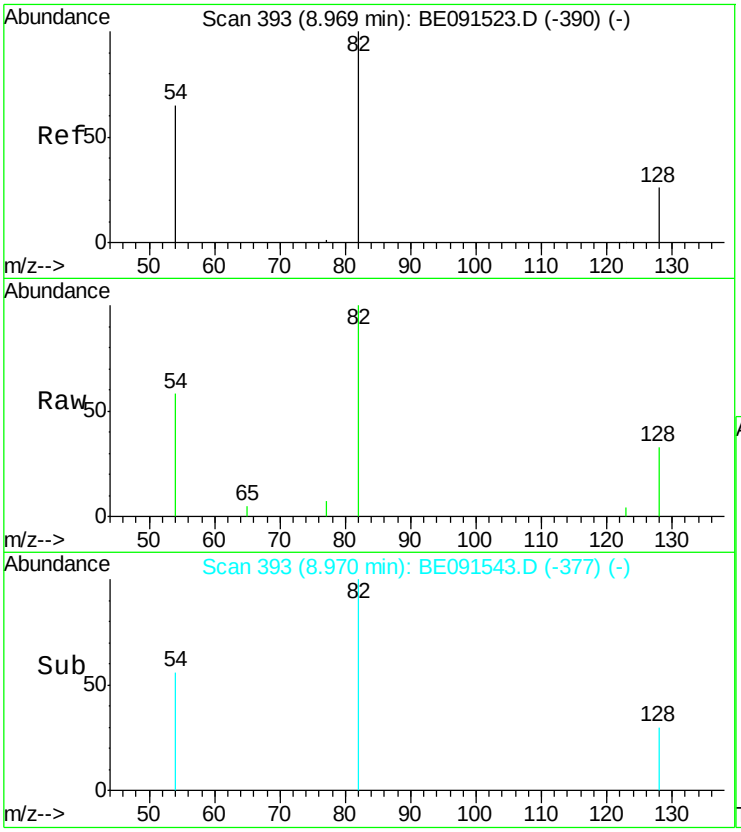


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:136 Resp: 159685

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.9	5.2	7.8
68	5.0	4.1	6.1

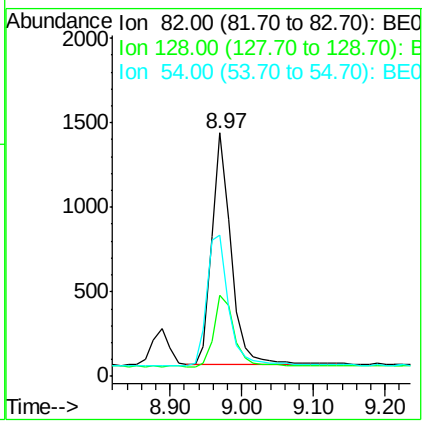




#7
Nitrobenzene-d5
Concen: 0.37 ng
RT: 8.97 min Scan# 393
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion: 82 Resp: 2585

Ion	Ratio	Lower	Upper
82	100		
128	33.1	23.5	35.3
54	58.2	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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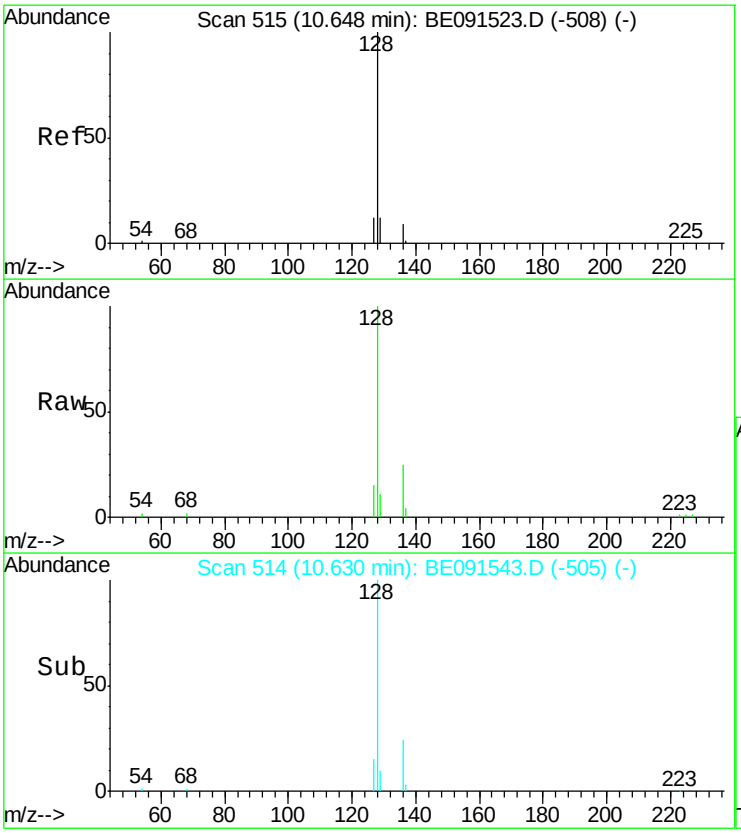
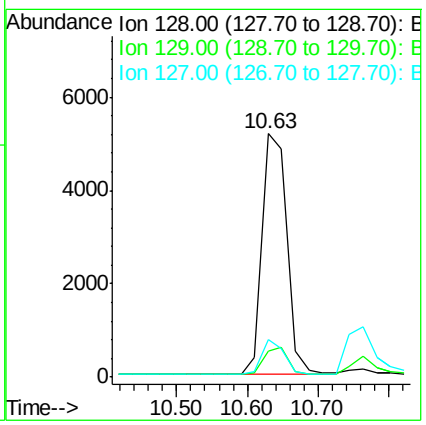
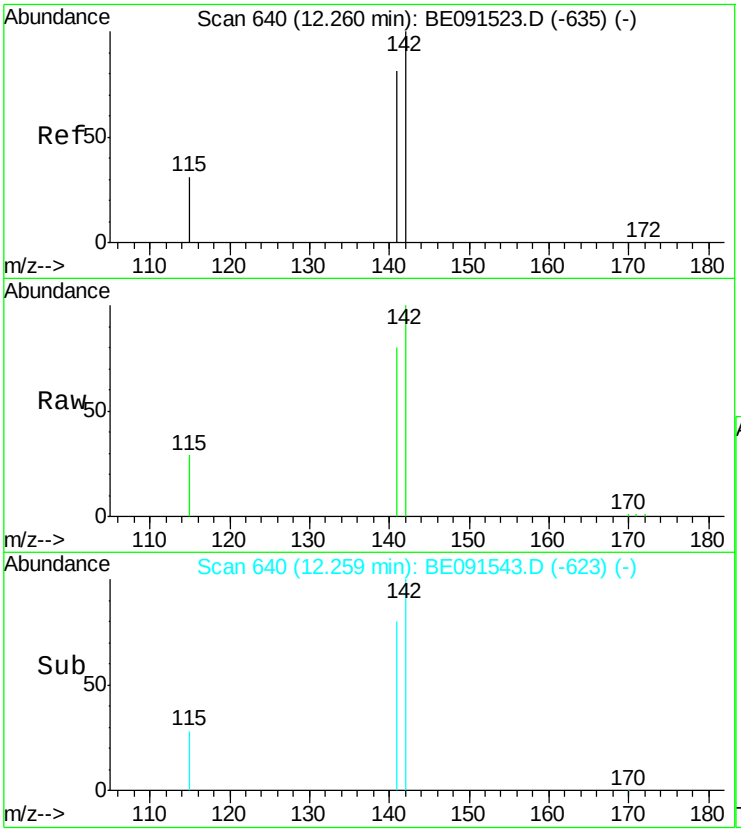


#8
Naphthalene
Concen: 0.39 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.02 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:128 Resp: 12699

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.2	12.2
127	15.4	11.8	17.8

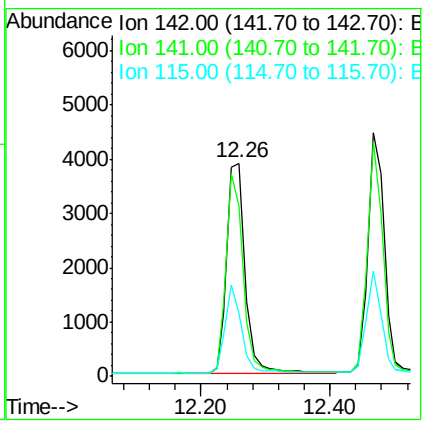




#9
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.26 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:142 Resp: 7689

Ion	Ratio	Lower	Upper
142	100		
141	79.9	66.9	100.3
115	29.4	25.1	37.7



Instrument :
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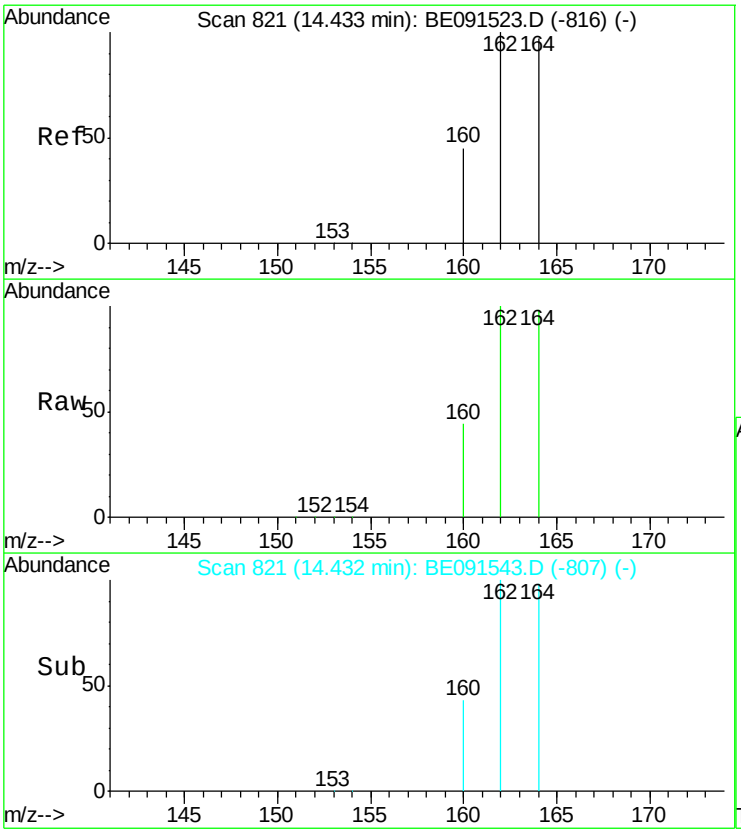
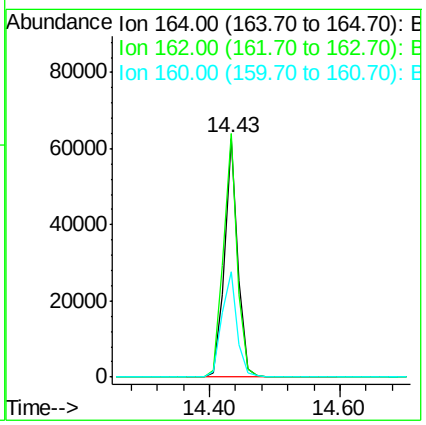
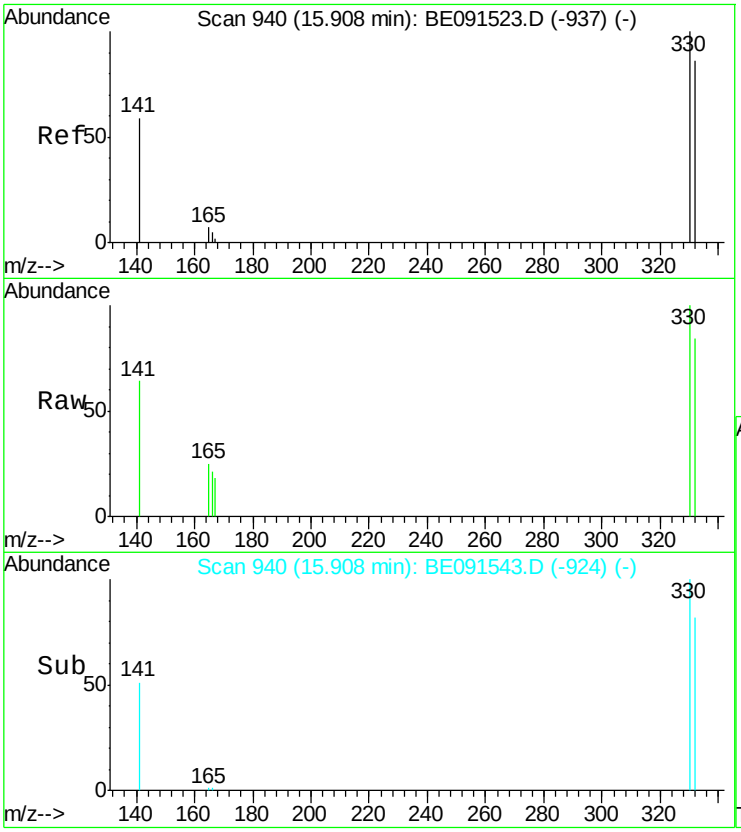


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.43 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:164 Resp: 91572

Ion	Ratio	Lower	Upper
164	100		
162	102.0	84.4	126.6
160	44.4	37.7	56.5





#11
2,4,6-Tribromophenol
Concen: 0.39 ng m
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:330 Resp: 608

Ion	Ratio	Lower	Upper
330	100		
332	172.7	79.2	118.8#
141	47.5	28.1	42.1#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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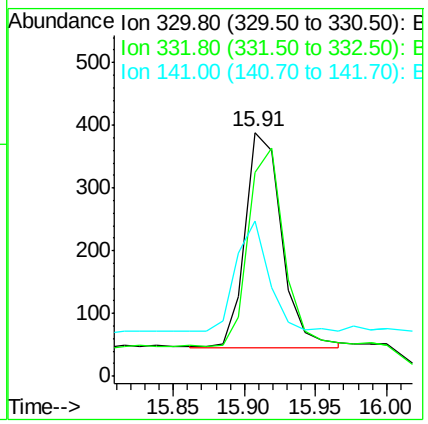
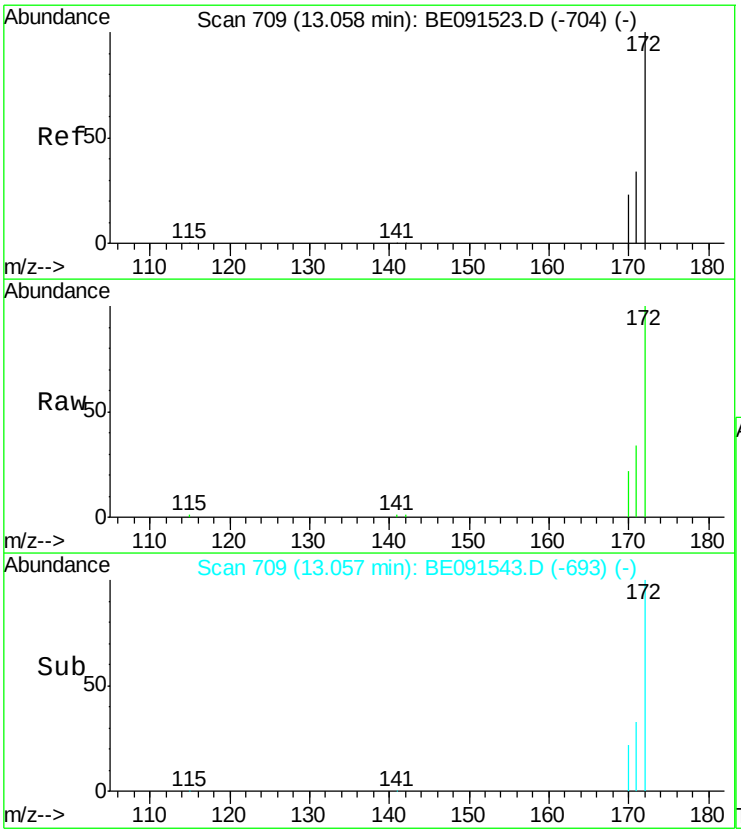
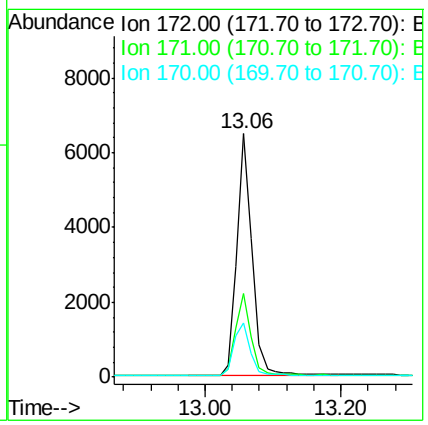


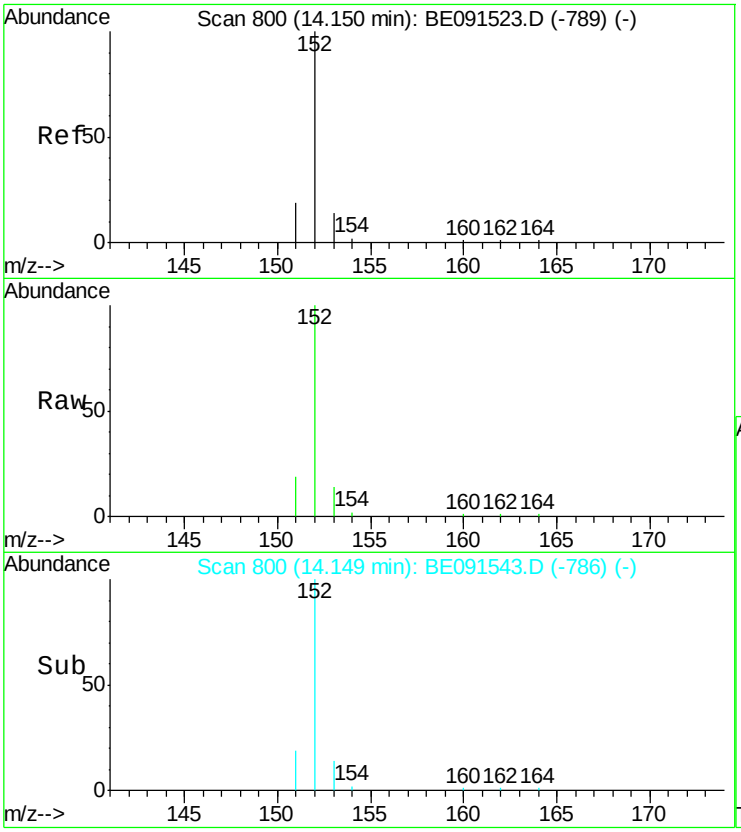


#12
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.06 min Scan# 709
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:172 Resp: 10204

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.8	44.8
170	22.4	21.4	32.2

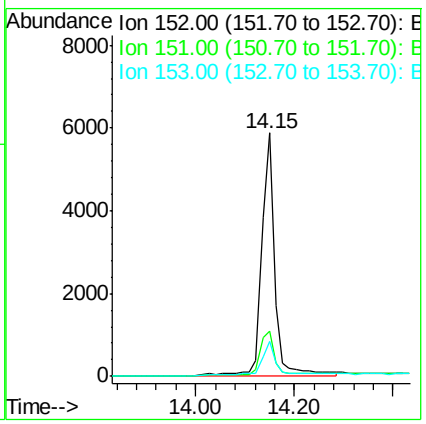




#13
Acenaphthylene
Concen: 0.37 ng
RT: 14.15 min Scan# 800
Delta R.T. 0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:152 Resp: 11821

Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.3	24.5
153	12.2	11.1	16.7



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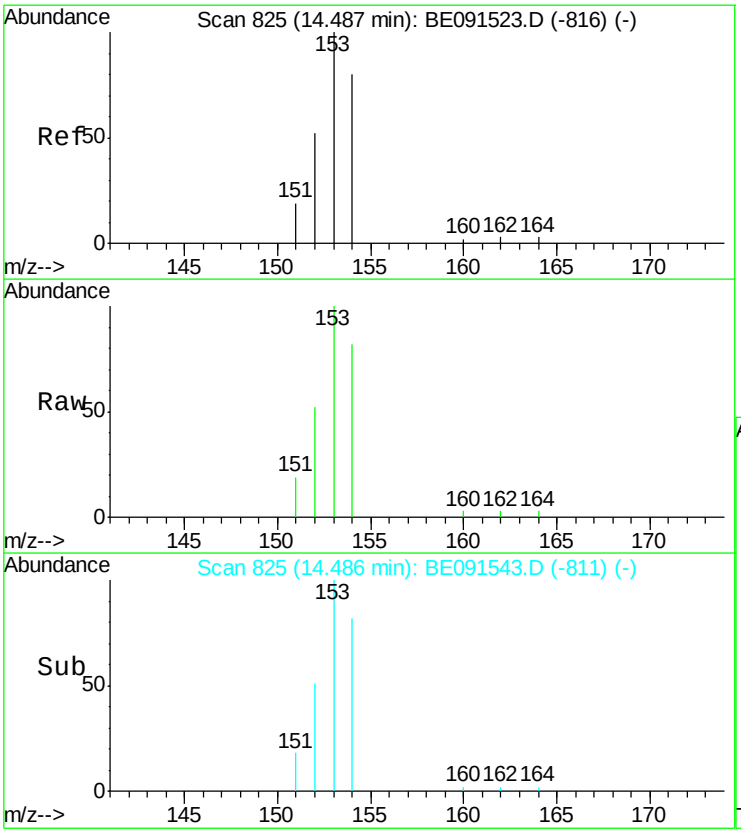
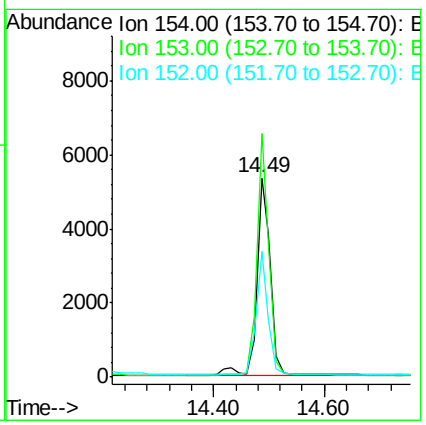
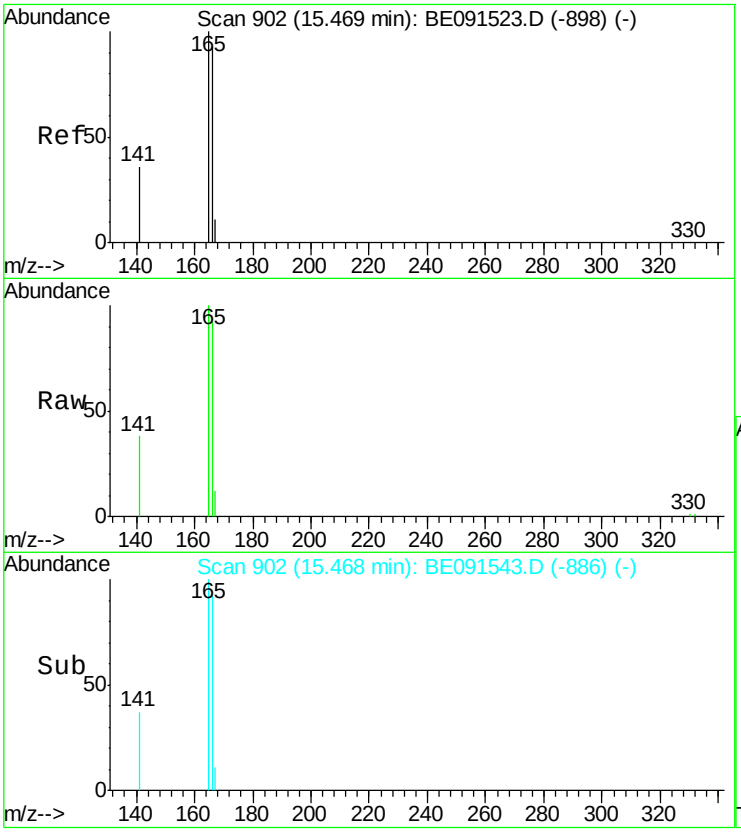


#14
Acenaphthene
Concen: 0.40 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:154 Resp: 9102

Ion	Ratio	Lower	Upper
154	100		
153	109.3	87.3	130.9
152	55.2	42.9	64.3

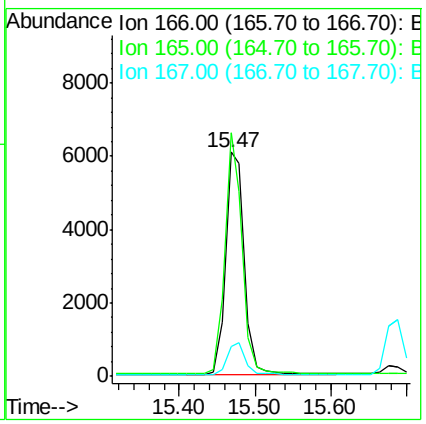




#15
Fluorene
Concen: 0.38 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:166 Resp: 10542

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.2	118.8
167	13.8	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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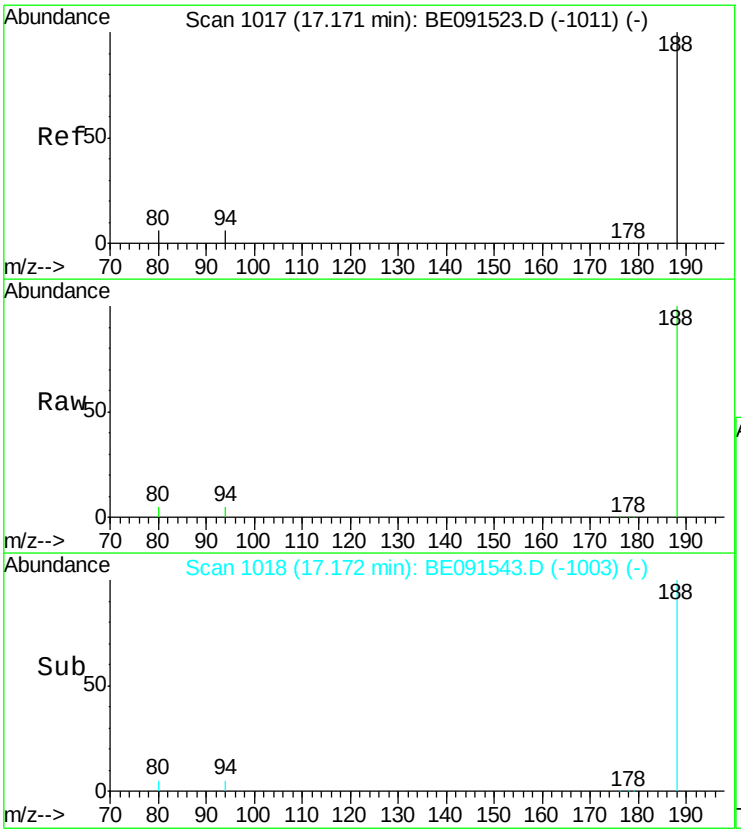
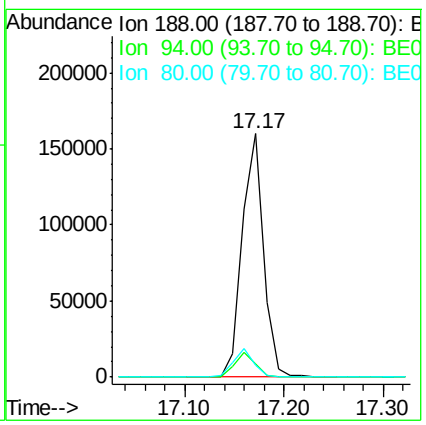
3/29/2016 5:05:48 PM

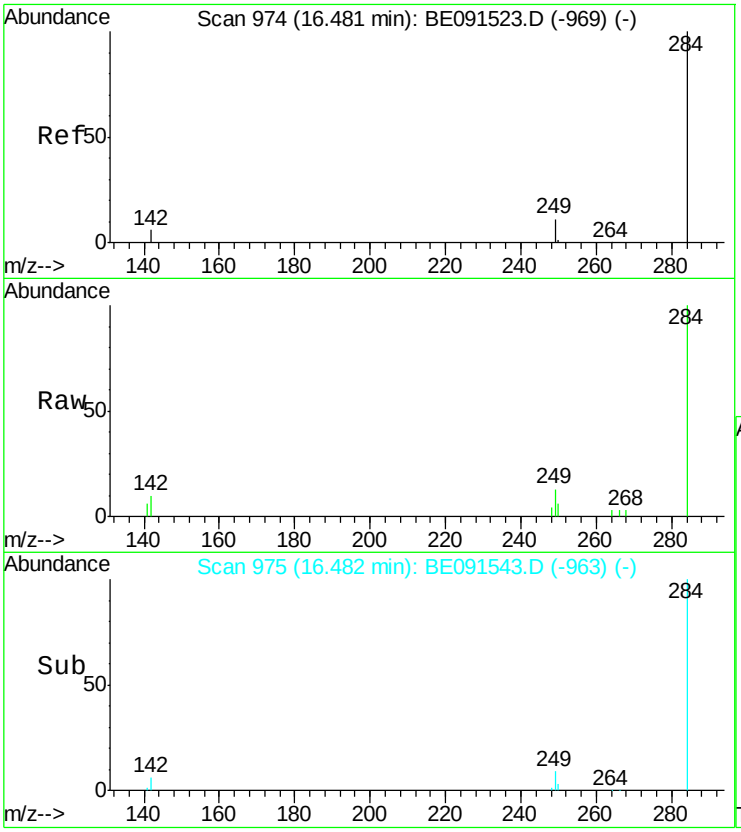


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:188 Resp: 238969

Ion	Ratio	Lower	Upper
188	100		
94	5.3	5.4	8.2#
80	4.6	5.0	7.4#

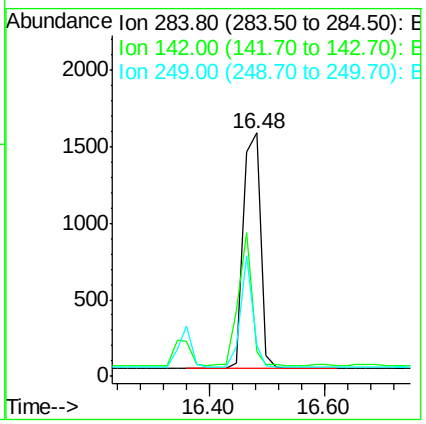




#17
Hexachlorobenzene
Concen: 0.38 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:284 Resp: 3216

Ion	Ratio	Lower	Upper
284	100		
142	43.3	31.0	46.4
249	32.9	25.8	38.8



Instrument :
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ClientSampleId :
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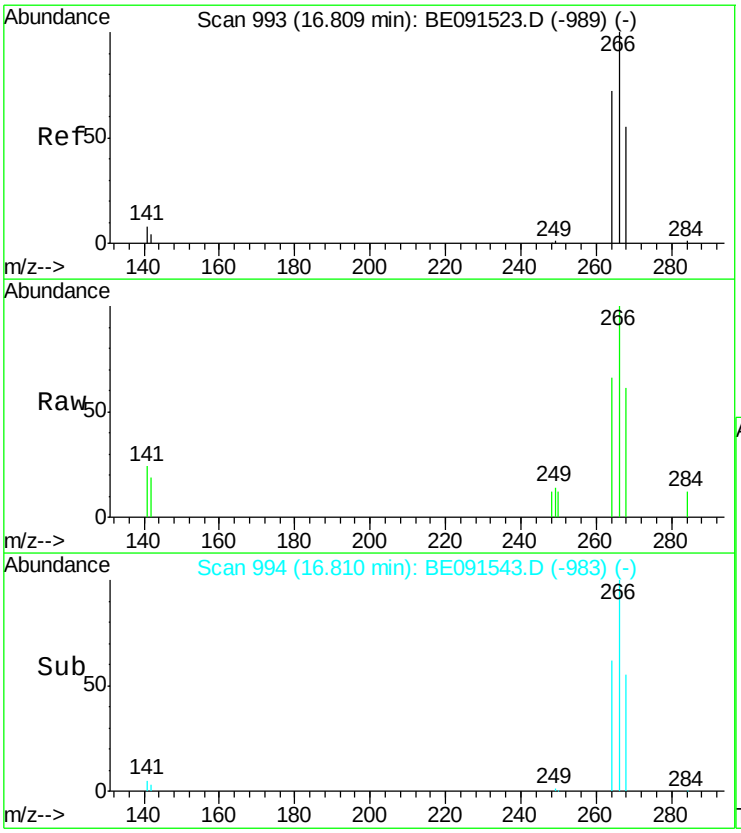
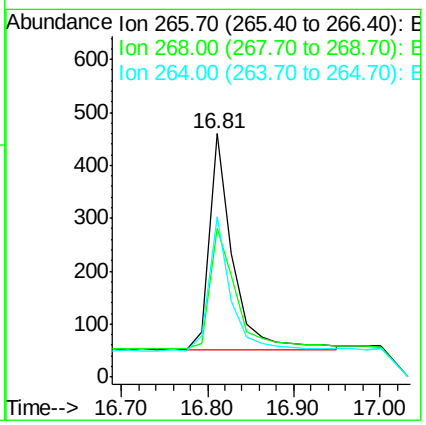
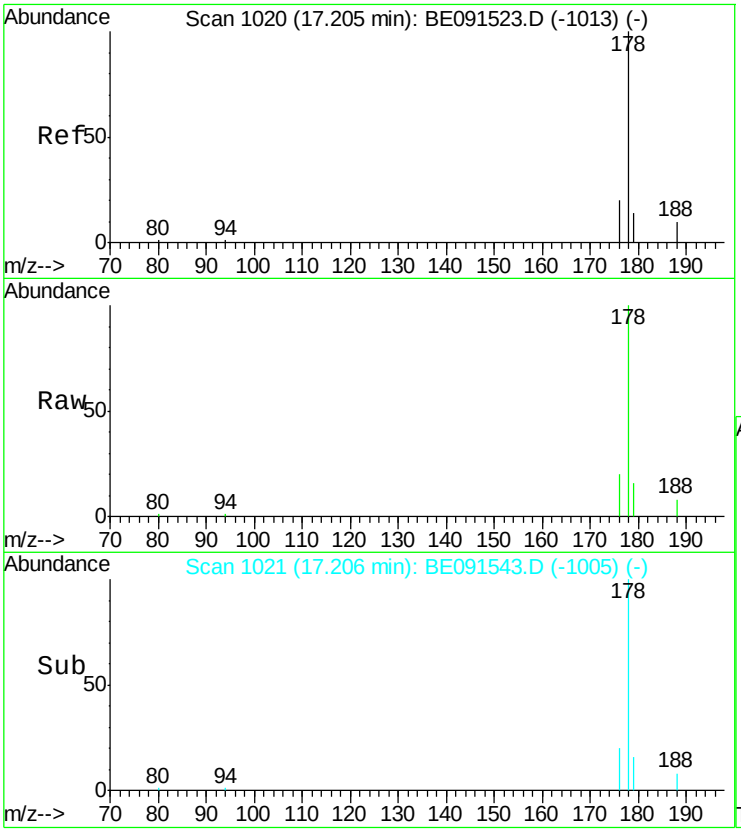


#18
Pentachlorophenol
Concen: 0.44 ng
RT: 16.81 min Scan# 994
Delta R.T. -0.02 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:266 Resp: 785

Ion	Ratio	Lower	Upper
266	100		
268	60.9	48.2	72.2
264	65.7	52.1	78.1

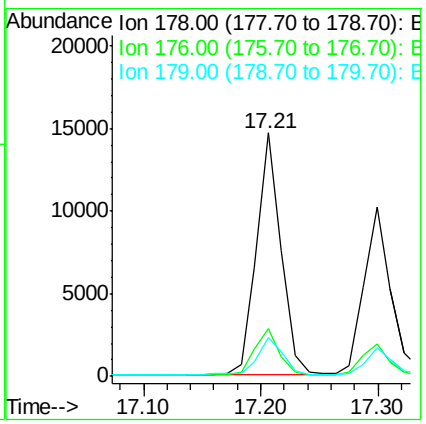




#19
Phenanthrene
Concen: 0.39 ng
RT: 17.21 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:178 Resp: 21584

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	16.2	13.1	19.7



Instrument :
BNA_E
ClientSampleId :
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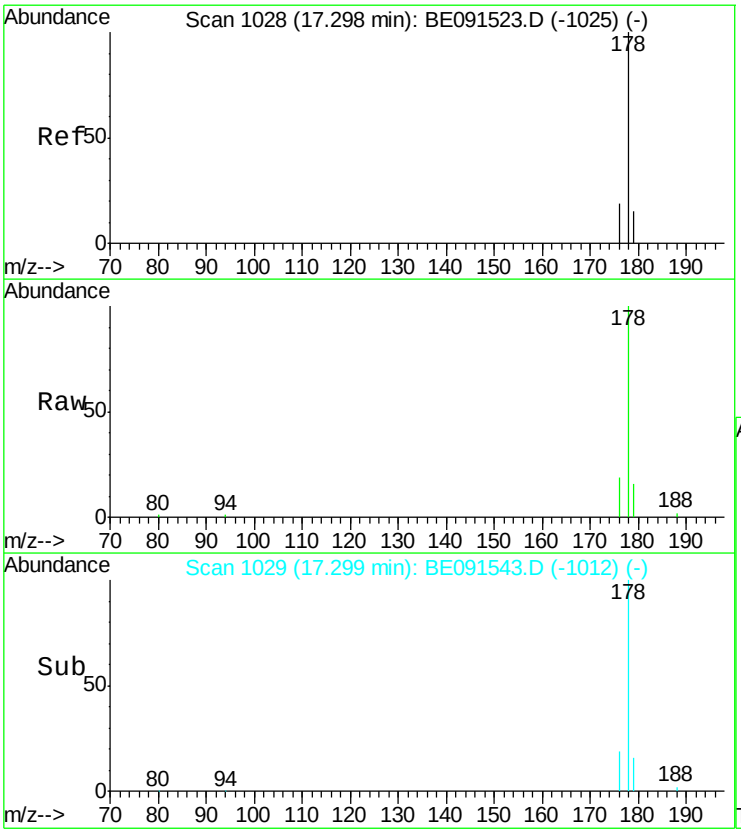
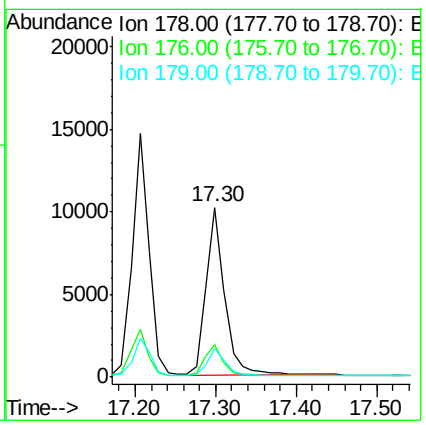
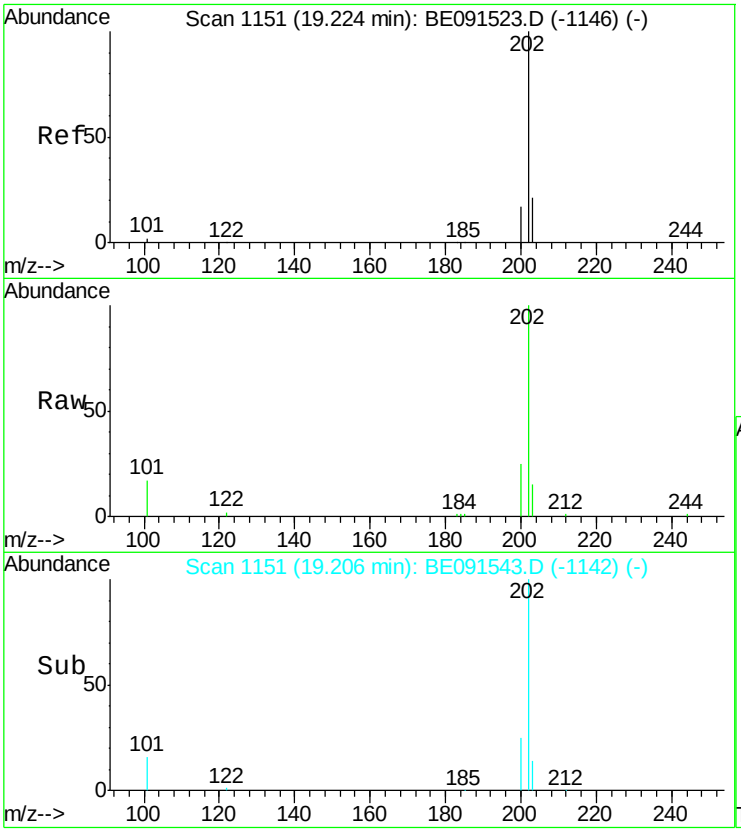


#20
Anthracene
Concen: 0.37 ng
RT: 17.30 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:178 Resp: 16585

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.3	12.2	18.4





#21
Fluoranthene
Concen: 0.37 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:202 Resp: 18937

Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.3	12.5
203	17.4	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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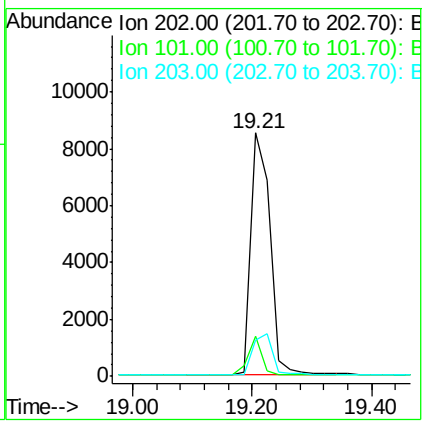
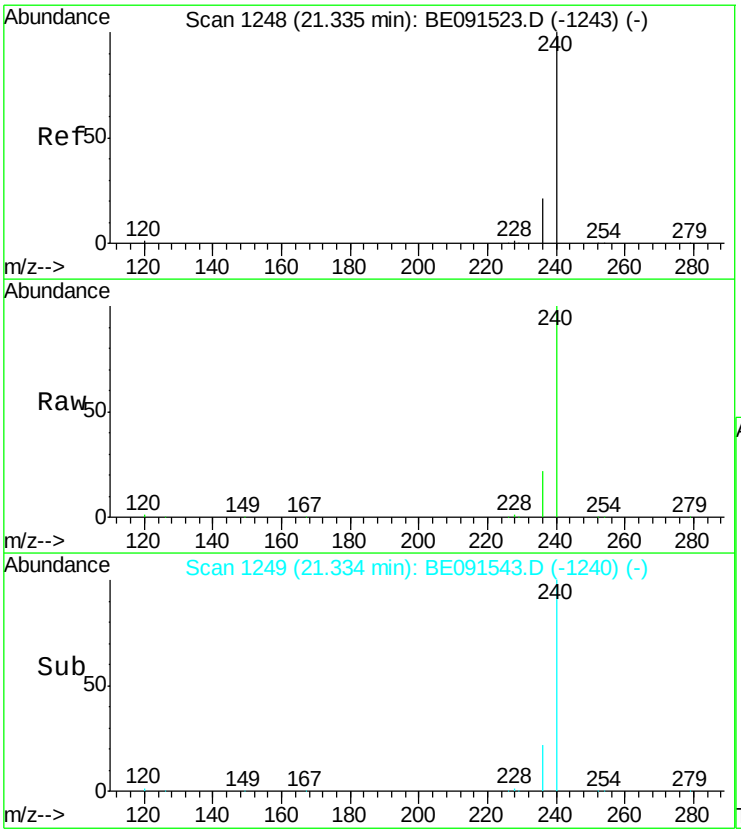
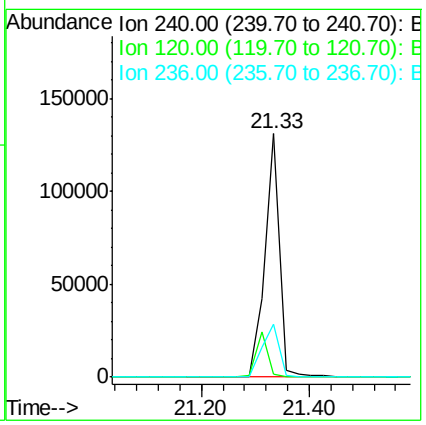


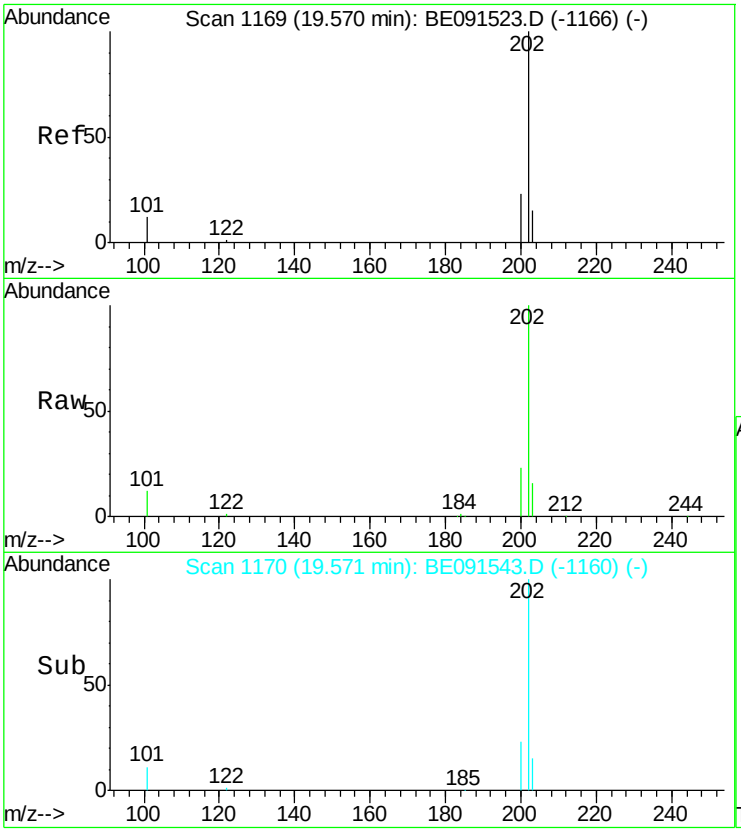


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:240 Resp: 249495

Ion	Ratio	Lower	Upper
240	100		
120	1.0	4.0	6.0#
236	21.8	23.0	34.4#





#23
Pyrene
Concen: 0.36 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:202 Resp: 21045

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.4	24.6
203	17.1	14.6	21.8

Instrument :
BNA_E
ClientSampleId :
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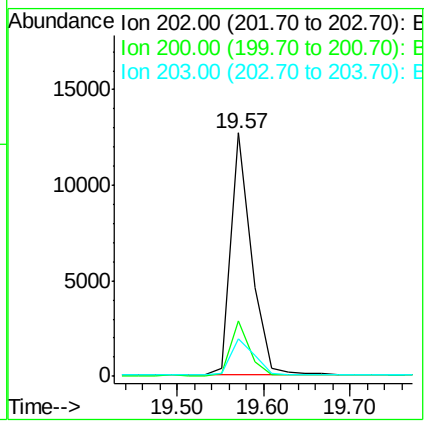
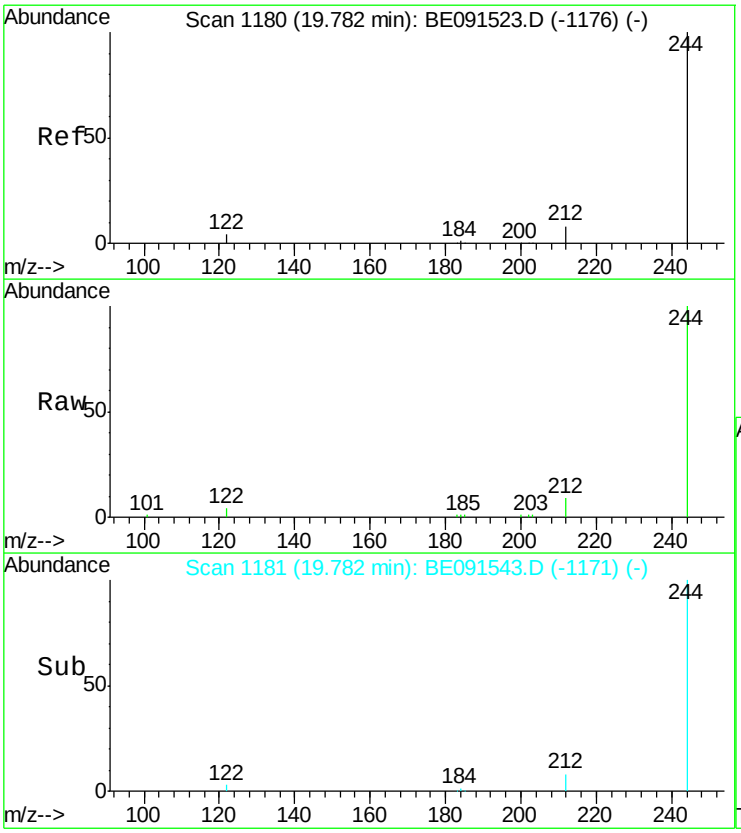
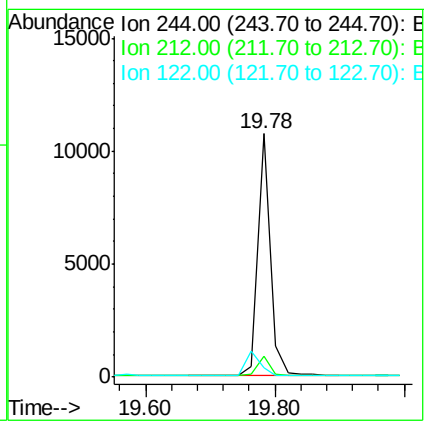


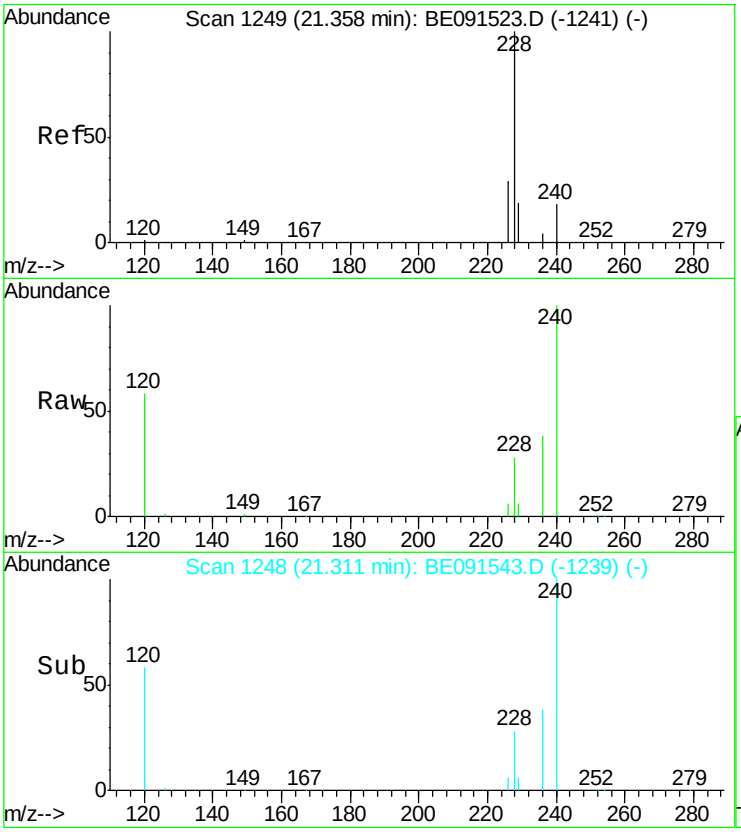


#24
Terphenyl-d14
Concen: 0.36 ng
RT: 19.78 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:244 Resp: 14823

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	3.9	1.8	2.8#





#25
Benzo(a)anthracene
Concen: 0.36 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:228 Resp: 20517

Ion	Ratio	Lower	Upper
228	100		
226	23.1	24.0	36.0#
229	22.0	13.8	20.6#

Instrument :
BNA_E
ClientSampleId :
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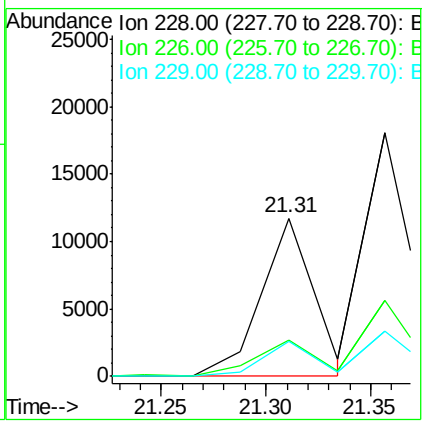
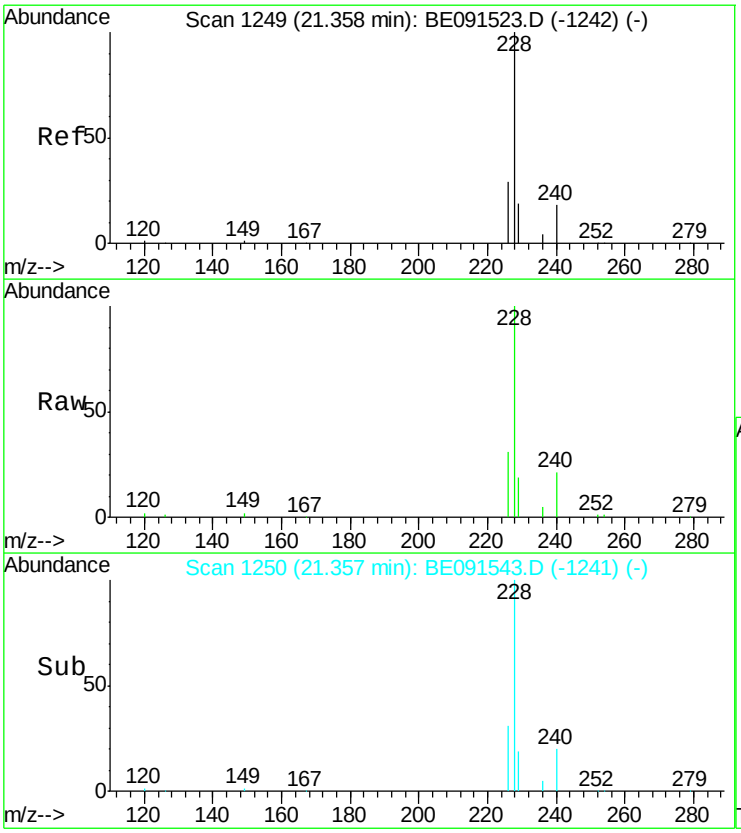
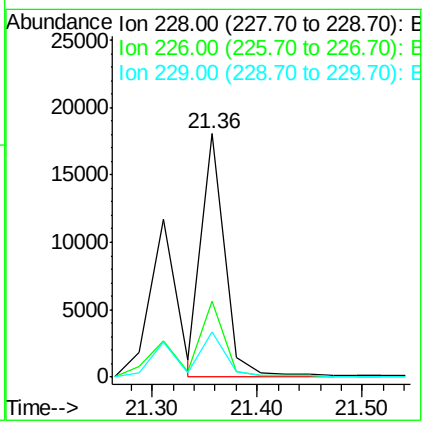


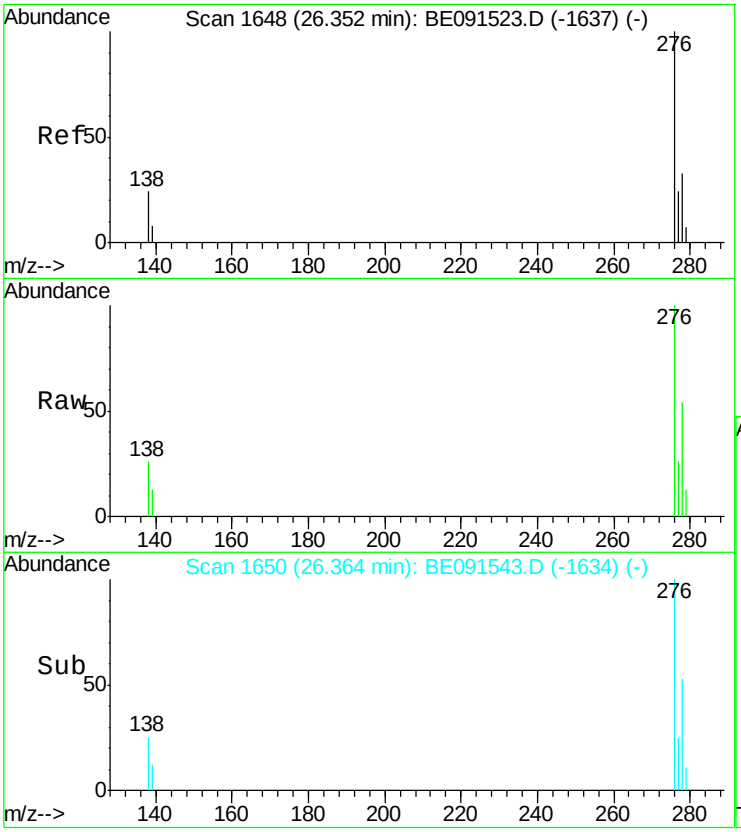


#26
Chrysene
Concen: 0.37 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:228 Resp: 28263

Ion	Ratio	Lower	Upper
228	100		
226	30.9	18.9	28.3#
229	18.8	19.1	28.7#

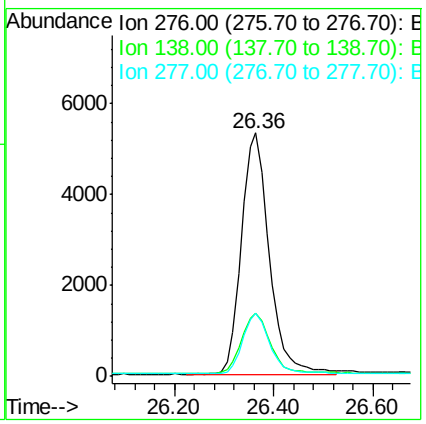




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 26.36 min Scan# 1650
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:276 Resp: 20894

Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.2	30.4
277	24.3	19.8	29.8



Instrument :
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ClientSampleId :
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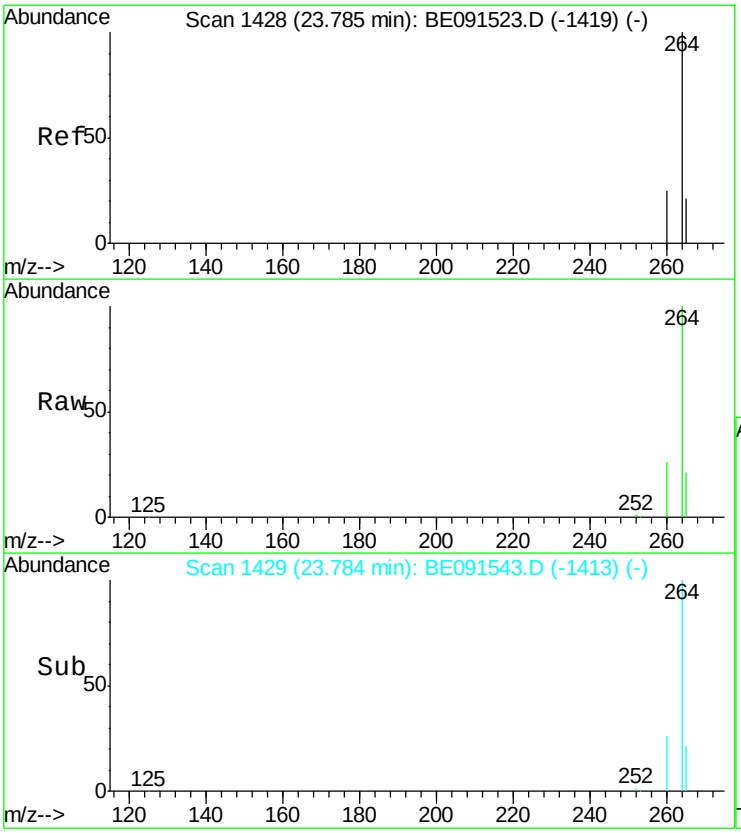
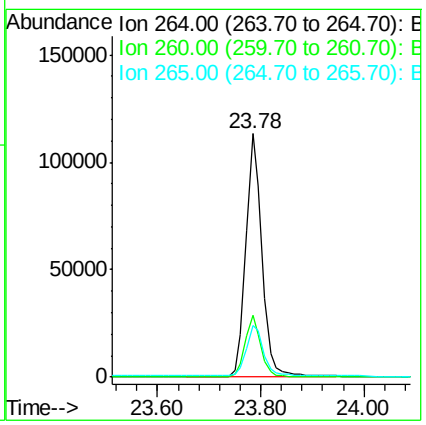
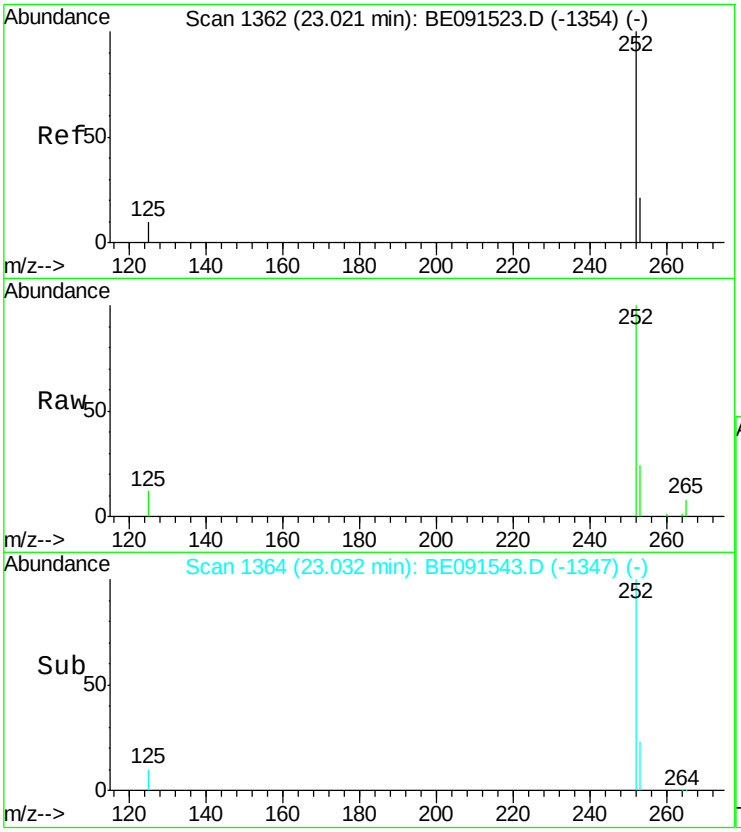


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:264 Resp: 247035

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	21.4	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:252 Resp: 21783

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	11.6	9.8	14.6

Instrument :
BNA_E
ClientSampleId :
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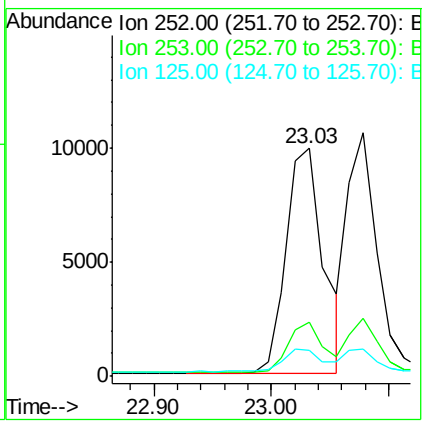
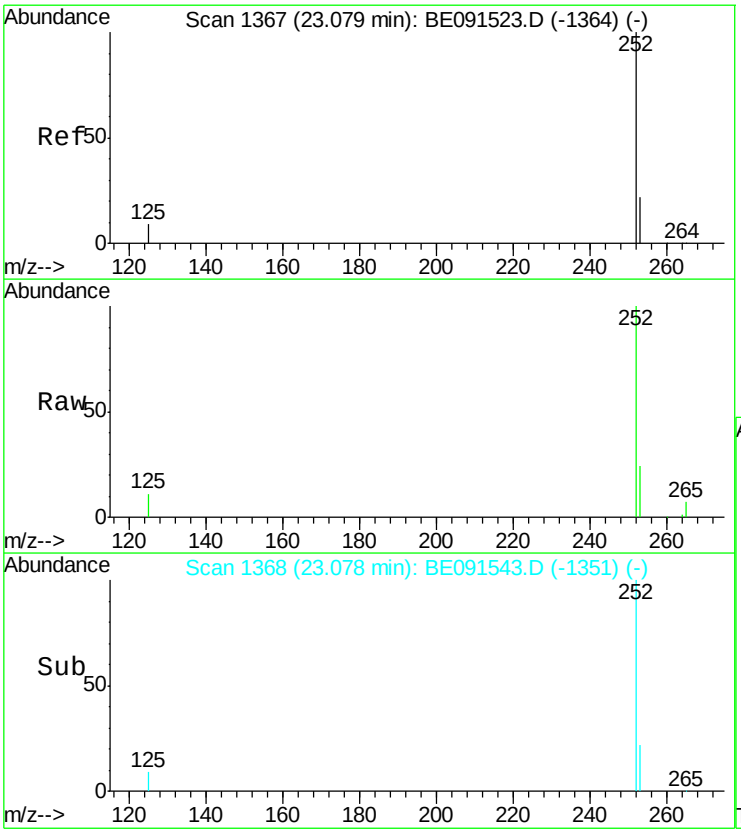
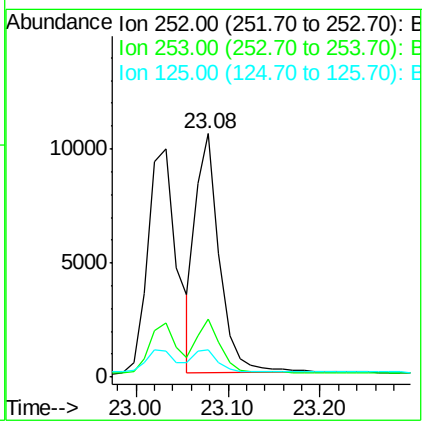


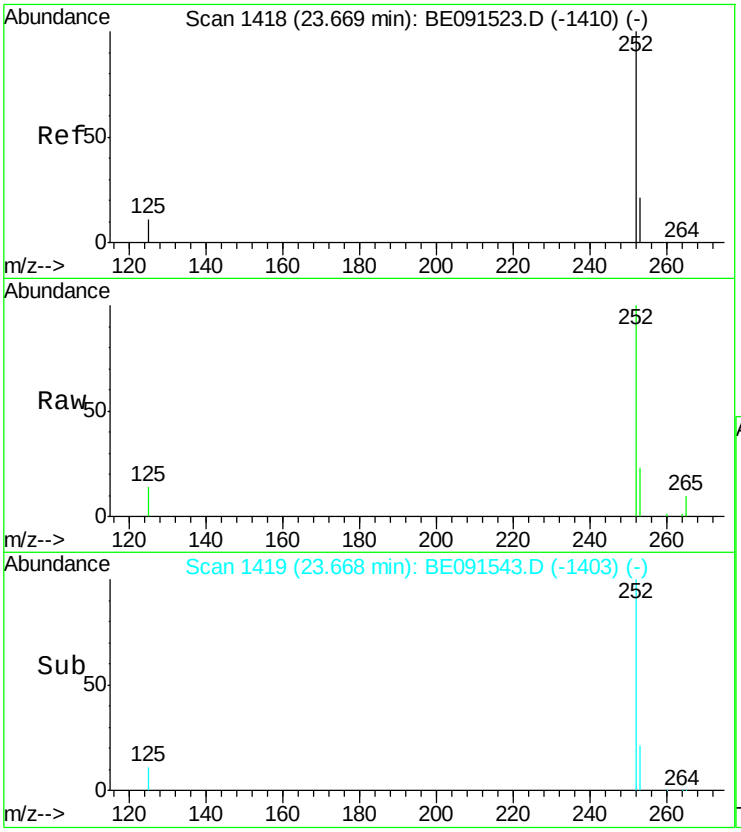


#30
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:252 Resp: 18875

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.2	30.4
125	11.2	9.4	14.2

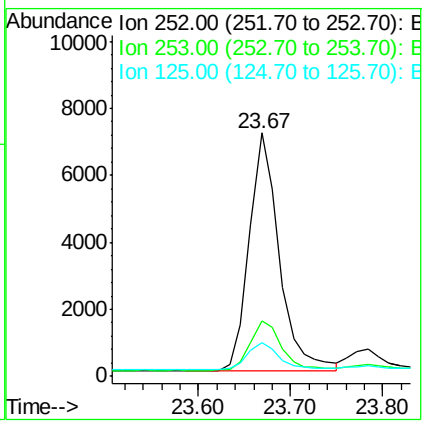




#31
Benzo(a)pyrene
Concen: 0.49 ng
RT: 23.67 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:252 Resp: 16157

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.4	29.0
125	14.1	11.4	17.2



Instrument :
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ClientSampleId :
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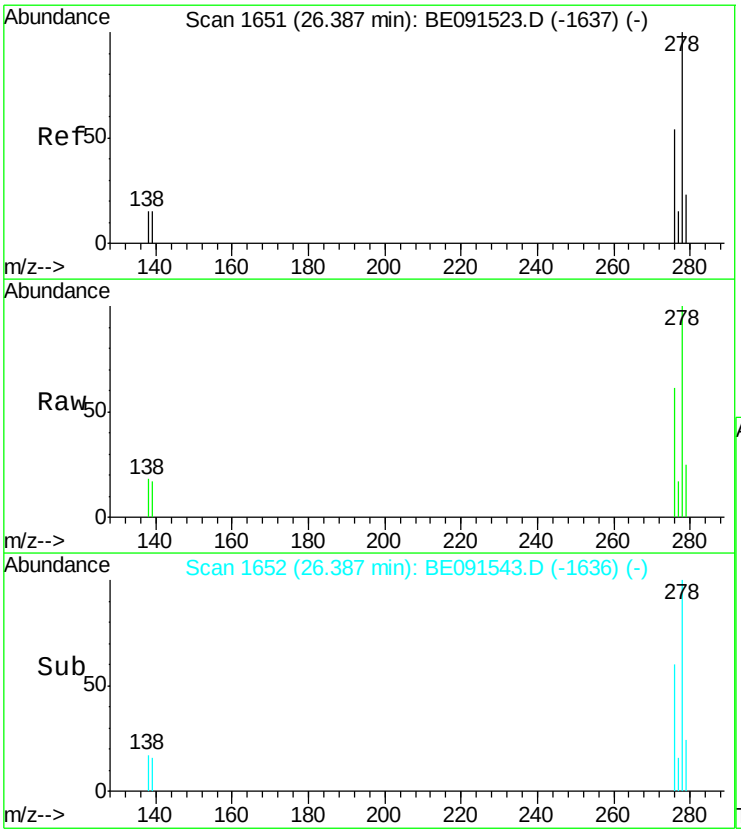
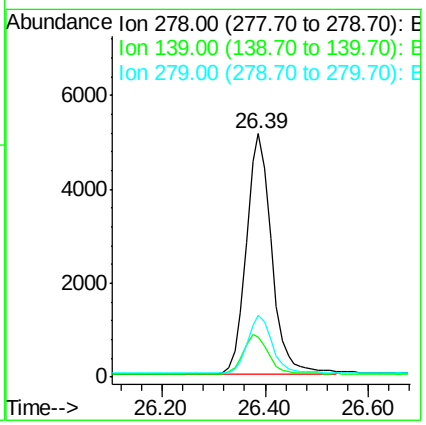
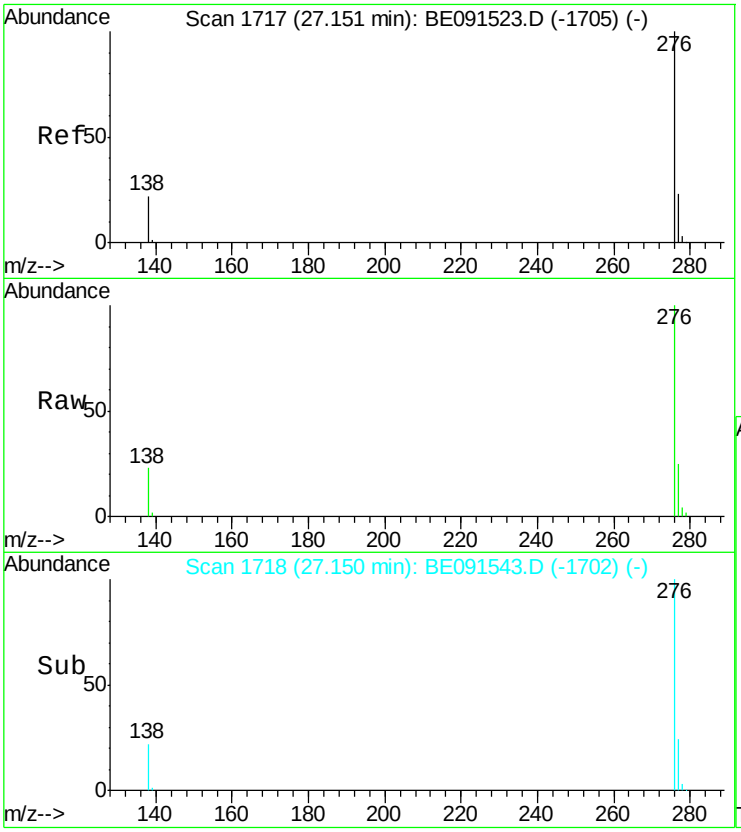


#32
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:278 Resp: 17670

Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.2	21.4
279	25.2	19.6	29.4

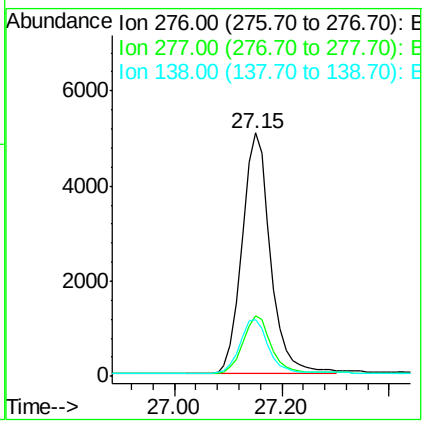




#33
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 27.15 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BE091543.D
Acq: 28 Mar 2016 18:33

Tgt Ion:276 Resp: 18554

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.4	29.2
138	23.3	18.2	27.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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