Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\
Data File : BE091667.D
Acq On : 18 Apr 2016 16:19
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE041816

Manual Integrations APPROVED
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Quant Time: Apr 18 17:40:25 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 18 17:20:40 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	31692	5.00	ng		0.00
7) Naphthalene-d8	10.57	136	151218	5.00	ng		0.00
13) Acenaphthene-d10	14.42	164	90976	5.00	ng		0.00
19) Phenanthrene-d10	17.15	188	229151	5.00	ng		0.00
26) Chrysene-d12	21.31	240	287502	5.00	ng		0.00
35) Perylene-d12	23.75	264	252532	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	2812	0.41	ng		0.00
5) Phenol-d6	6.97	99	3609	0.39	ng		0.00
8) Nitrobenzene-d5	8.96	82	3132	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.90	330	720m	0.45	ng		-0.01
15) 2-Fluorobiphenyl	13.05	172	10410	0.41	ng		0.00
29) Terphenyl-d14	19.76	244	16135	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	1766	0.40	ng		91
3) n-Nitrosodimethylamine	3.66	42	1947	0.43	ng		89
6) bis(2-Chloroethyl)ether	7.23	93	3489	0.41	ng	#	75
9) Nitrobenzene	9.00	77	3163	0.41	ng		97
10) Naphthalene	10.63	128	12718	0.41	ng		99
11) Hexachlorobutadiene	10.92	225	1911m	0.43	ng		
12) 2-Methylnaphthalene	12.24	142	7934	0.40	ng		96
16) Acenaphthylene	14.14	152	13528	0.40	ng	#	77
17) Acenaphthene	14.47	154	9388	0.42	ng		91
18) Fluorene	15.46	166	10982	0.40	ng		99
20) 4-Bromophenyl-phenylether	16.34	248	3183	0.40	ng		96
21) Hexachlorobenzene	16.46	284	3350	0.40	ng		96
22) Pentachlorophenol	16.81	266	793	0.45	ng		93
23) Phenanthrene	17.19	178	21545	0.41	ng		99
24) Anthracene	17.29	178	18052	0.39	ng		99
25) Fluoranthene	19.20	202	21394	0.41	ng		97
27) Benzidine	19.38	184	5563	0.41	ng	#	81
28) Pyrene	19.55	202	26702	0.46	ng		99
30) Benzo(a)anthracene	21.29	228	28797m	0.43	ng		
31) 3,3'-Dichlorobenzidine	21.24	252	10402	0.46	ng	#	78
32) Chrysene	21.33	228	27363m	0.40	ng		
33) Bis(2-ethylhexyl)phthalate	21.22	149	5843	0.55	ng	#	85
34) Indeno(1,2,3-cd)pyrene	26.32	276	25899	0.42	ng		97
36) Benzo(b)fluoranthene	23.00	252	23504m	0.42	ng		
37) Benzo(k)fluoranthene	23.04	252	24756	0.42	ng		99
38) Benzo(a)pyrene	23.65	252	21896	0.42	ng	#	93
39) Dibenzo(a,h)anthracene	26.34	278	21320	0.42	ng		97
40) Benzo(g,h,i)perylene	27.10	276	21394	0.41	ng		97

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

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Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\
Data File : BE091667.D
Acq On : 18 Apr 2016 16:19
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Sample : SSTDICV0.4
Misc :
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Quant Time: Apr 18 17:40:25 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 18 17:20:40 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
ICVBE041816

Manual Integrations APPROVED
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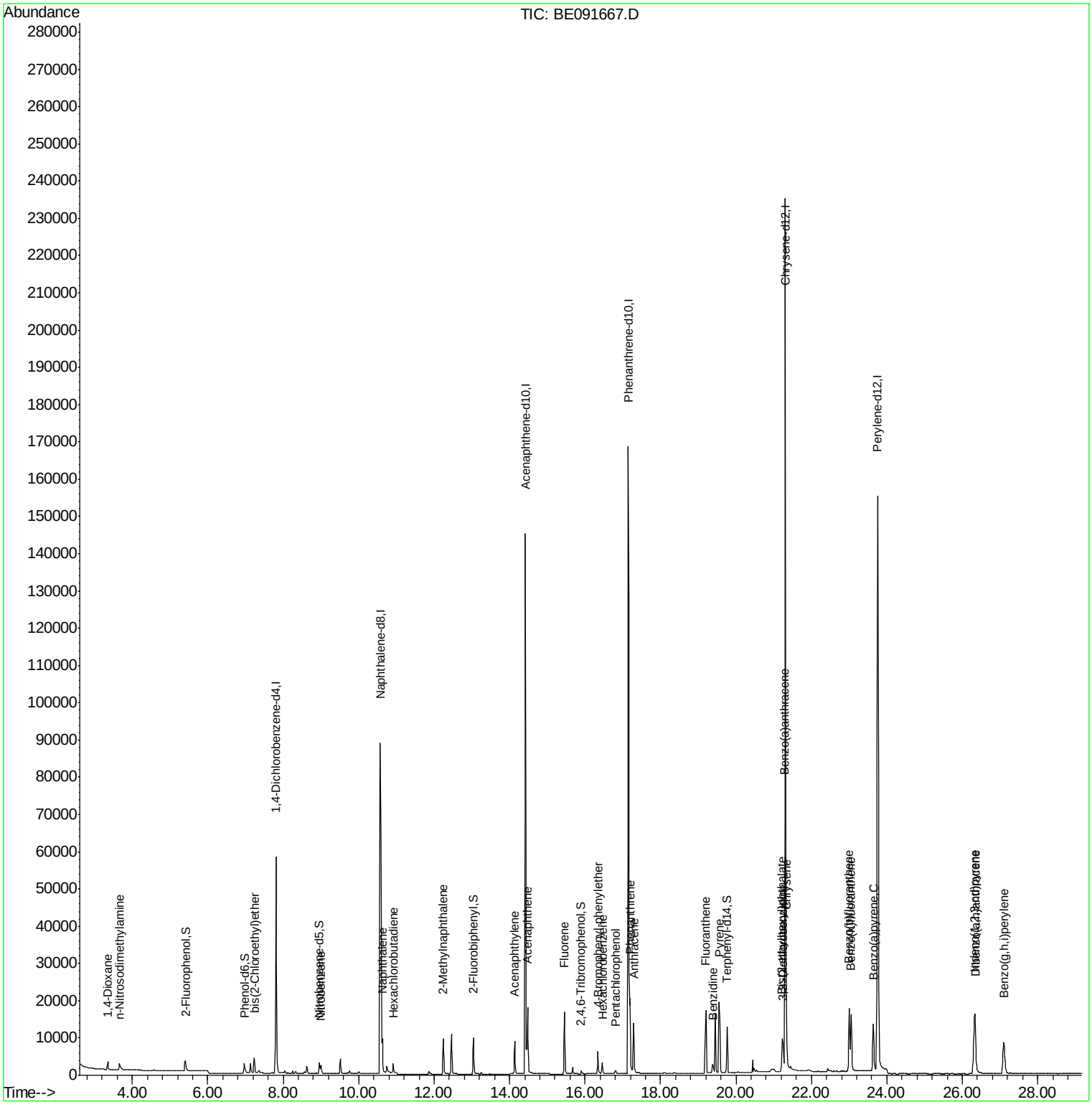
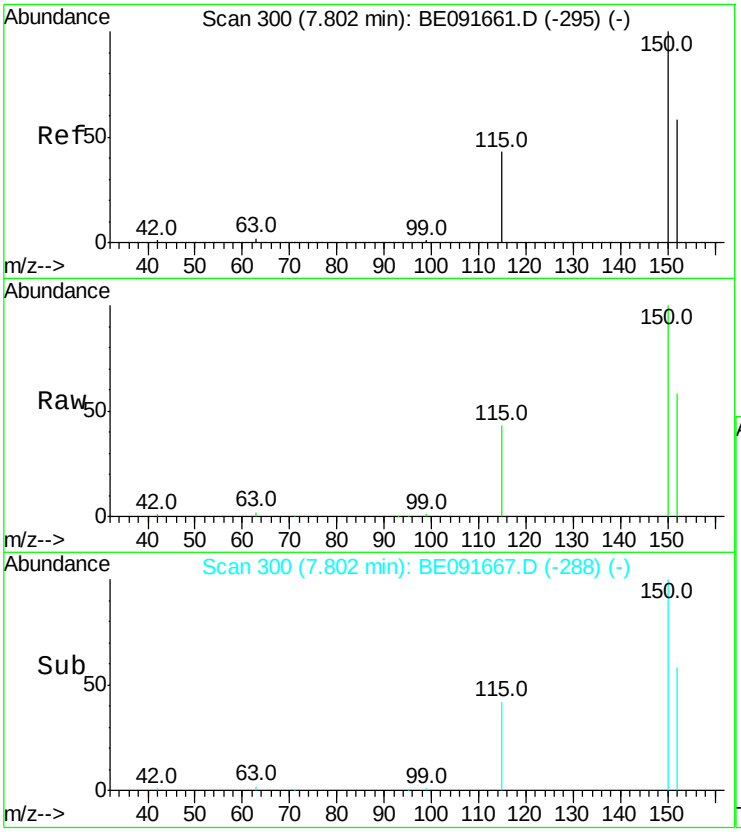
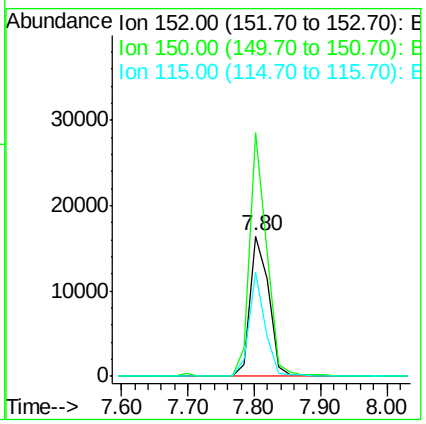




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:152 Resp: 31692

Ion	Ratio	Lower	Upper
152	100		
150	173.5	122.6	183.8
115	73.9	52.8	79.2



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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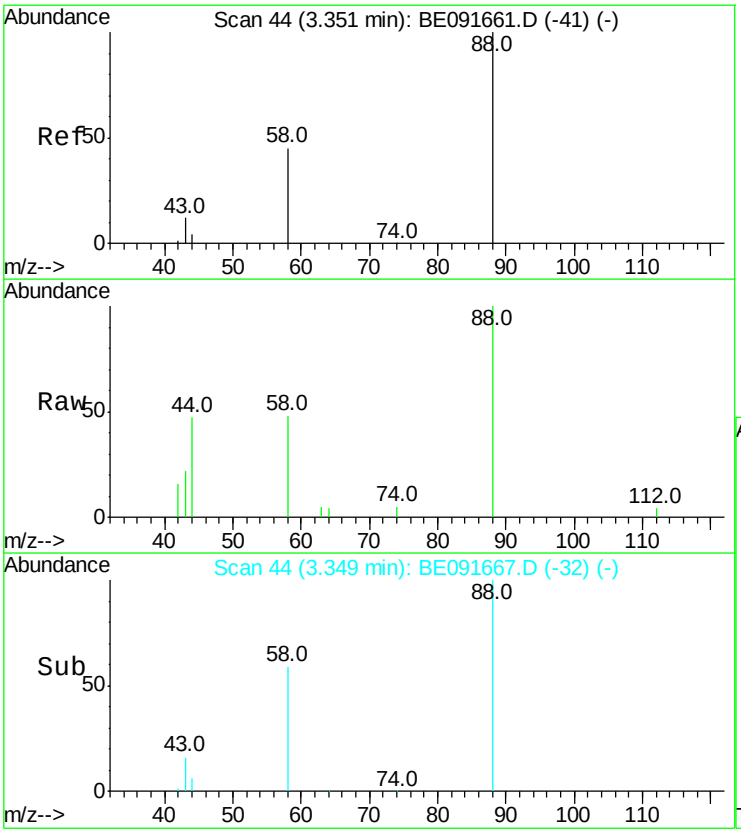
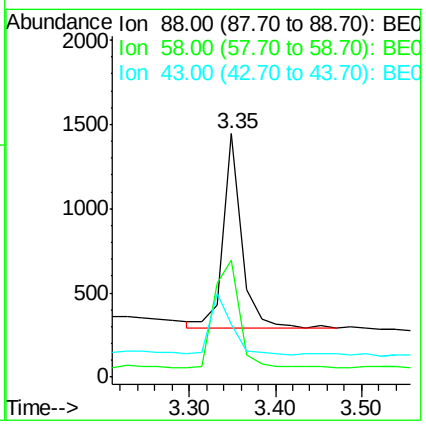
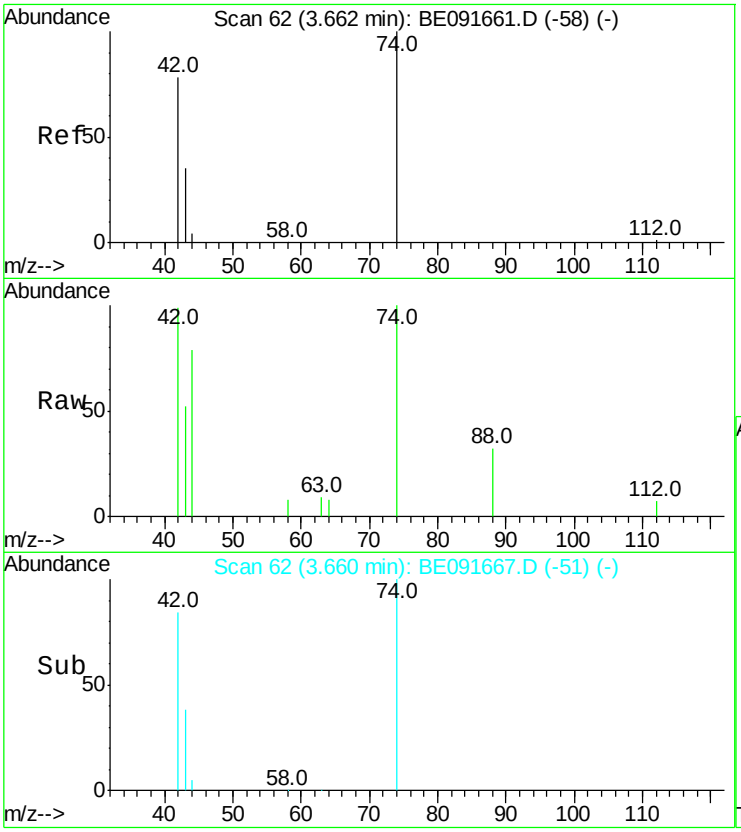


#2
1,4-Dioxane
Concen: 0.40 ng
RT: 3.35 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion: 88 Resp: 1766

Ion	Ratio	Lower	Upper
88	100		
58	73.6	65.8	98.6
43	35.0	25.3	37.9

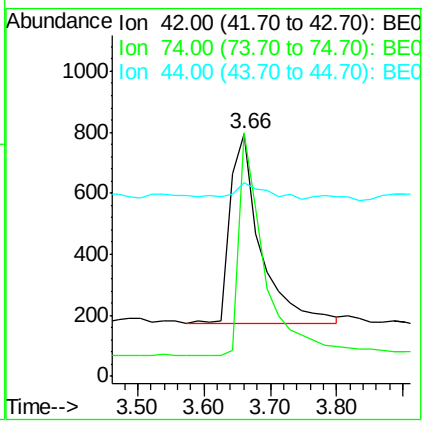




#3
n-Nitrosodimethylamine
Concen: 0.43 ng
RT: 3.66 min Scan# 62
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion: 42 Resp: 1947

Ion	Ratio	Lower	Upper
42	100		
74	97.7	87.9	131.9
44	8.0	6.6	9.8



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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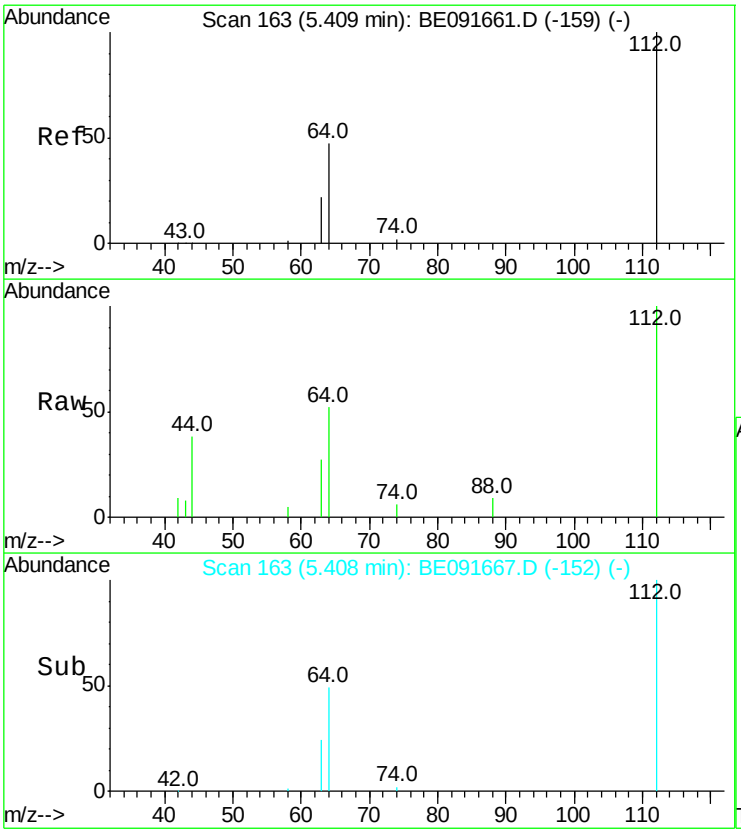
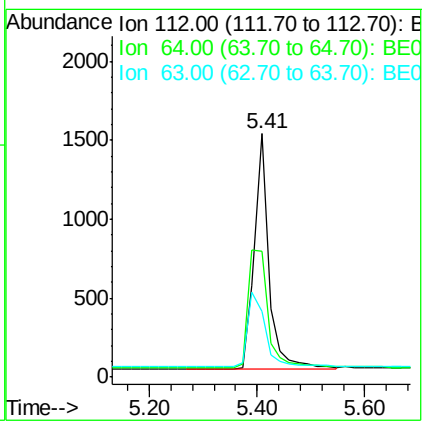
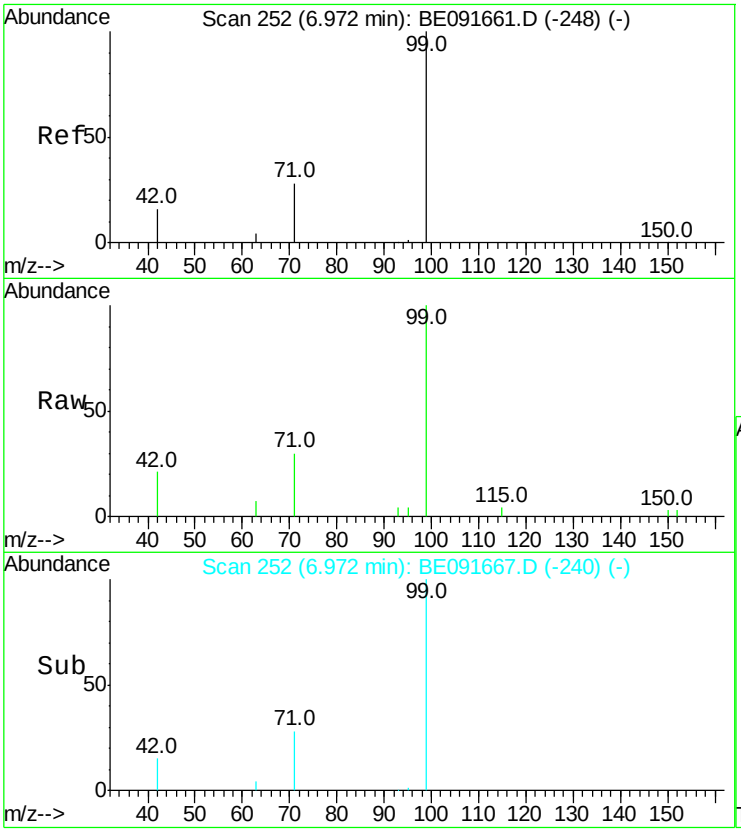


#4
2-Fluorophenol
Concen: 0.41 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:112 Resp: 2812

Ion	Ratio	Lower	Upper
112	100		
64	67.8	30.9	46.3#
63	38.1	16.7	25.1#





#5
Phenol-d6
Concen: 0.39 ng
RT: 6.97 min Scan# 252
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion: 99 Resp: 3609

Ion	Ratio	Lower	Upper
99	100		
42	27.8	16.2	24.2#
71	35.7	29.0	43.4

Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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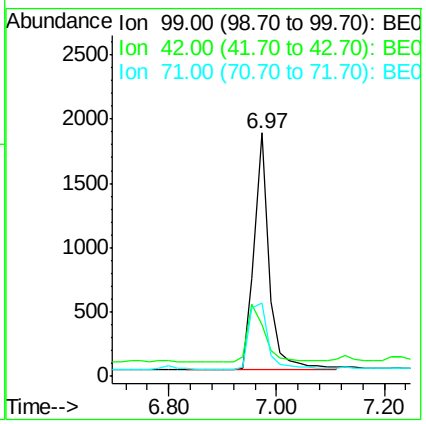
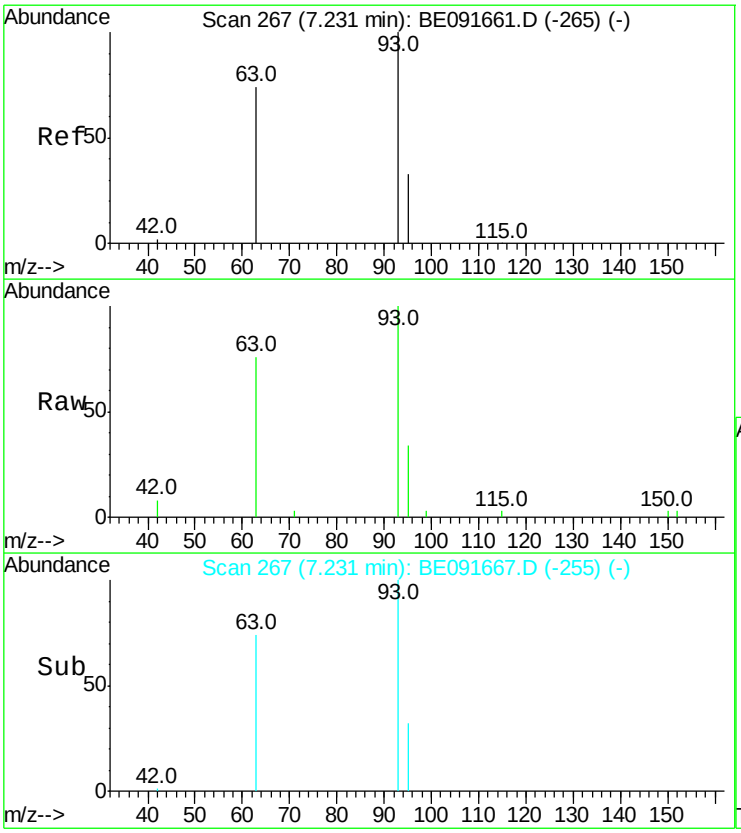
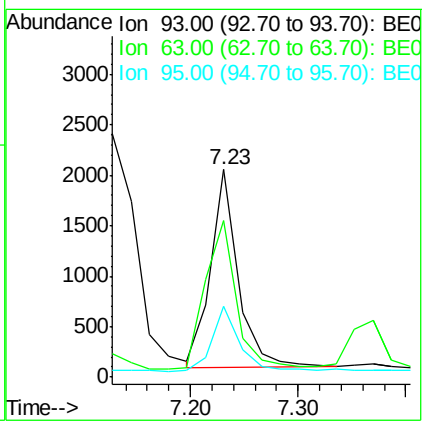


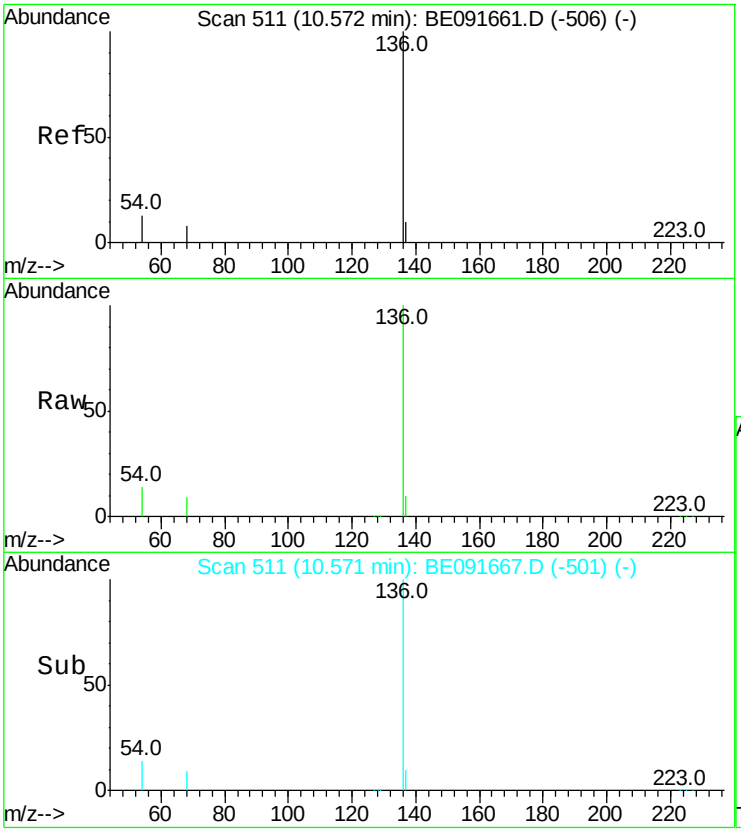


#6
bis(2-Chloroethyl)ether
Concen: 0.41 ng
RT: 7.23 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion: 93 Resp: 3489

Ion	Ratio	Lower	Upper
93	100		
63	85.2	49.5	74.3#
95	34.0	22.2	33.4#

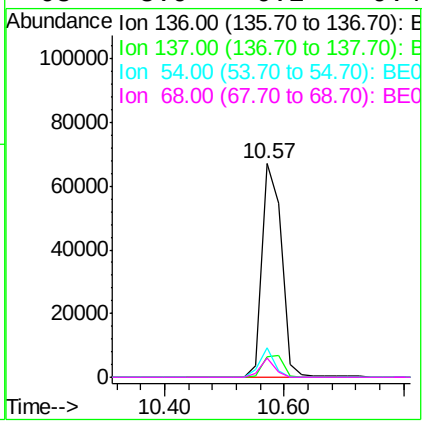




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.57 min Scan# 511
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:136 Resp: 151218

Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	13.8	8.2	12.4#
68	8.9	6.2	9.4



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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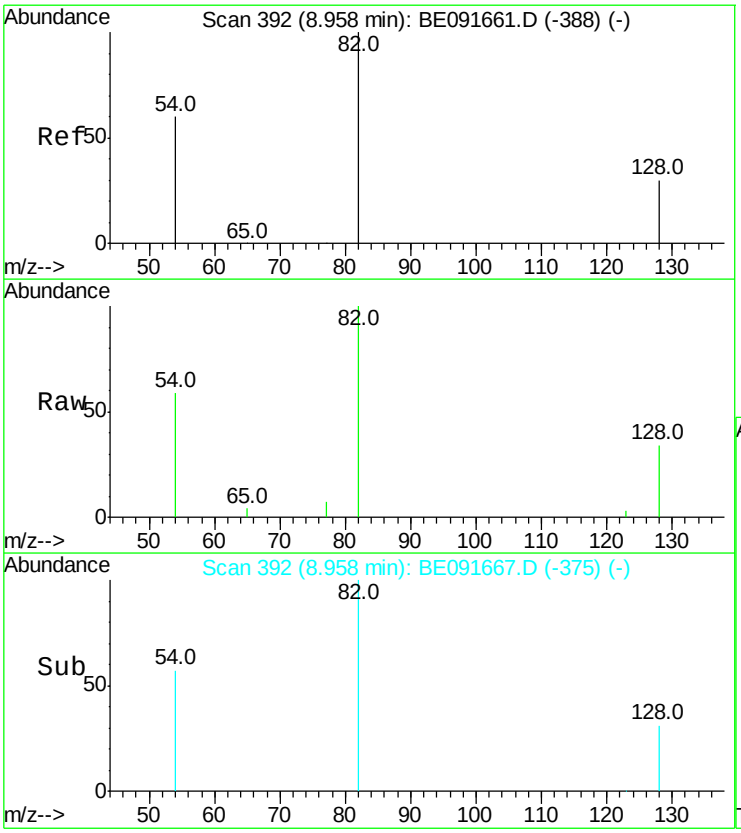
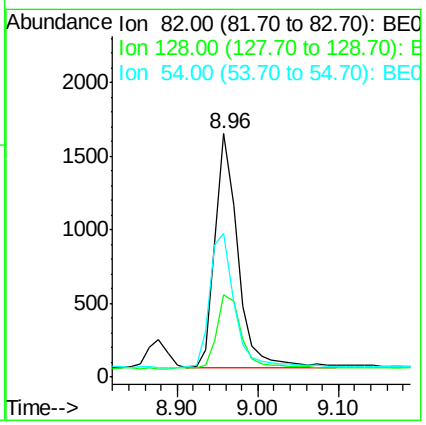
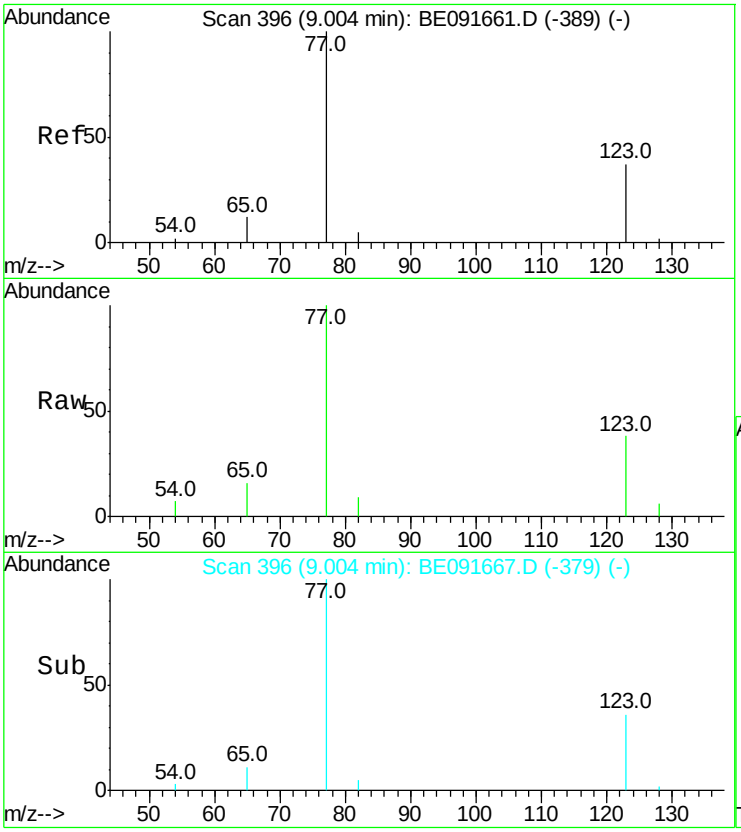


#8
Nitrobenzene-d5
Concen: 0.40 ng
RT: 8.96 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion: 82 Resp: 3132

Ion	Ratio	Lower	Upper
82	100		
128	33.6	25.4	38.0
54	59.1	48.4	72.6

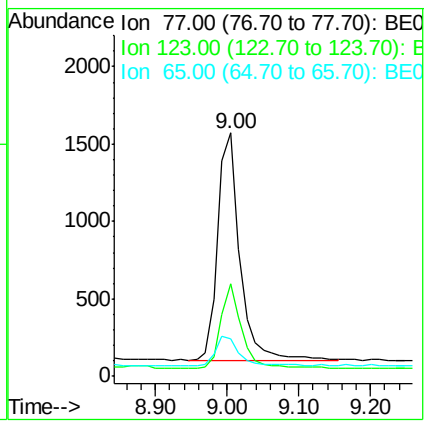




#9
Nitrobenzene
Concen: 0.41 ng
RT: 9.00 min Scan# 396
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion: 77 Resp: 3163

Ion	Ratio	Lower	Upper
77	100		
123	35.0	26.9	40.3
65	13.4	9.4	14.2



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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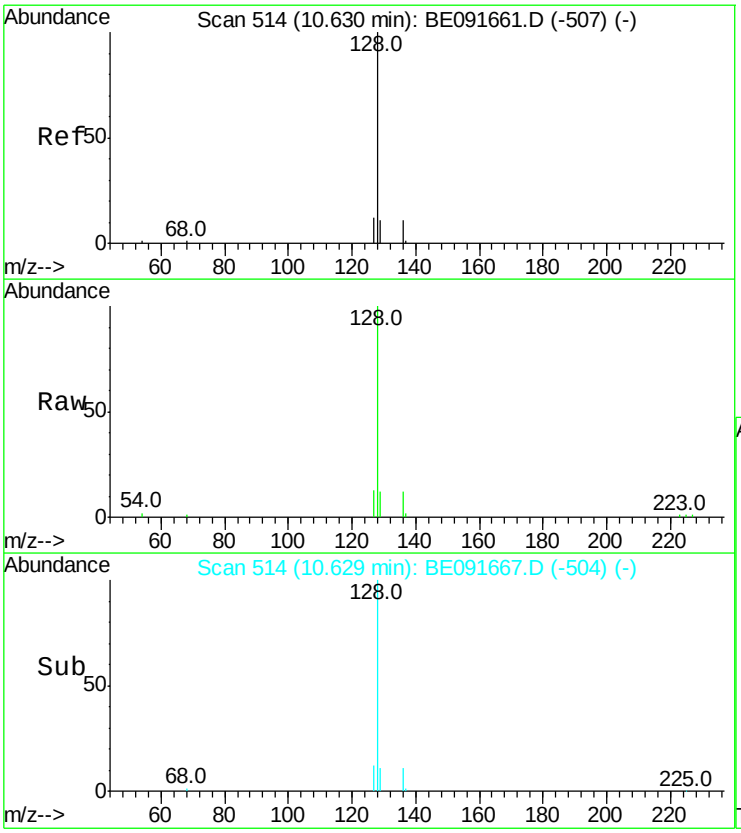
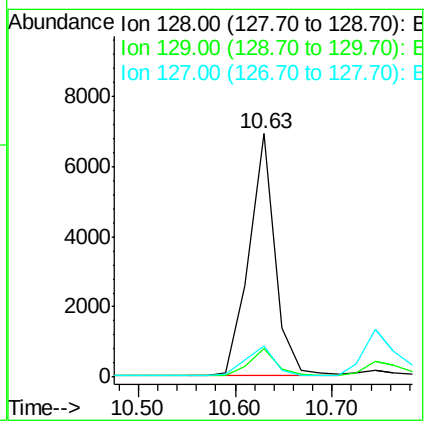
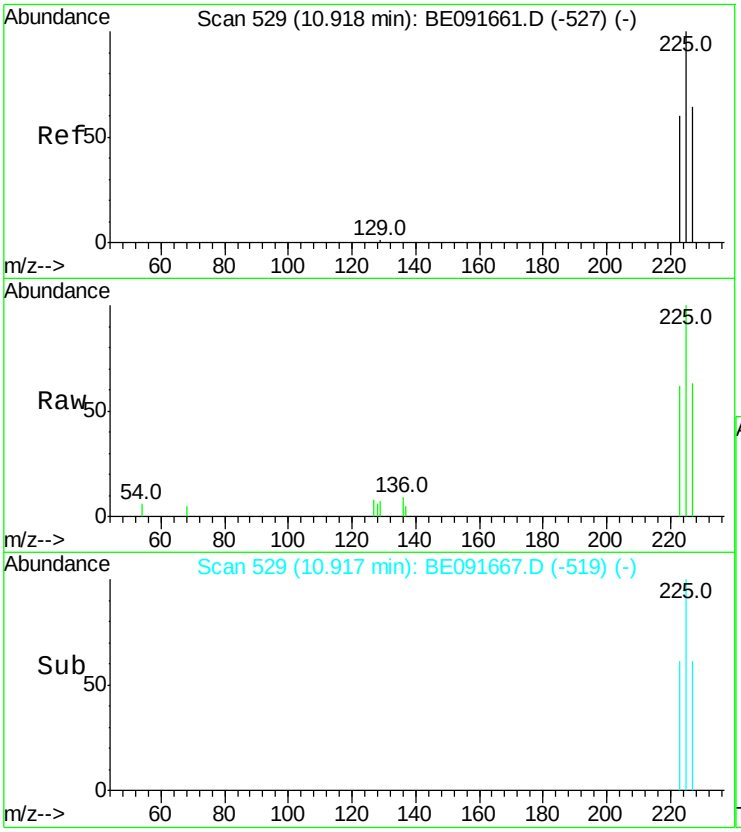


#10
Naphthalene
Concen: 0.41 ng
RT: 10.63 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:128 Resp: 12718

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.3	13.9
127	12.9	10.7	16.1

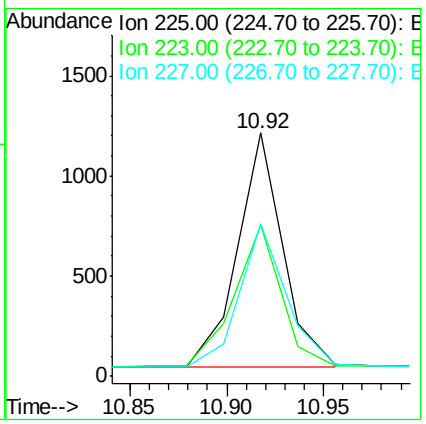




#11
Hexachlorobutadiene
Concen: 0.43 ng m
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:225 Resp: 1911

Ion	Ratio	Lower	Upper
225	100		
223	90.2	49.0	73.6#
227	89.5	50.3	75.5#



Instrument :
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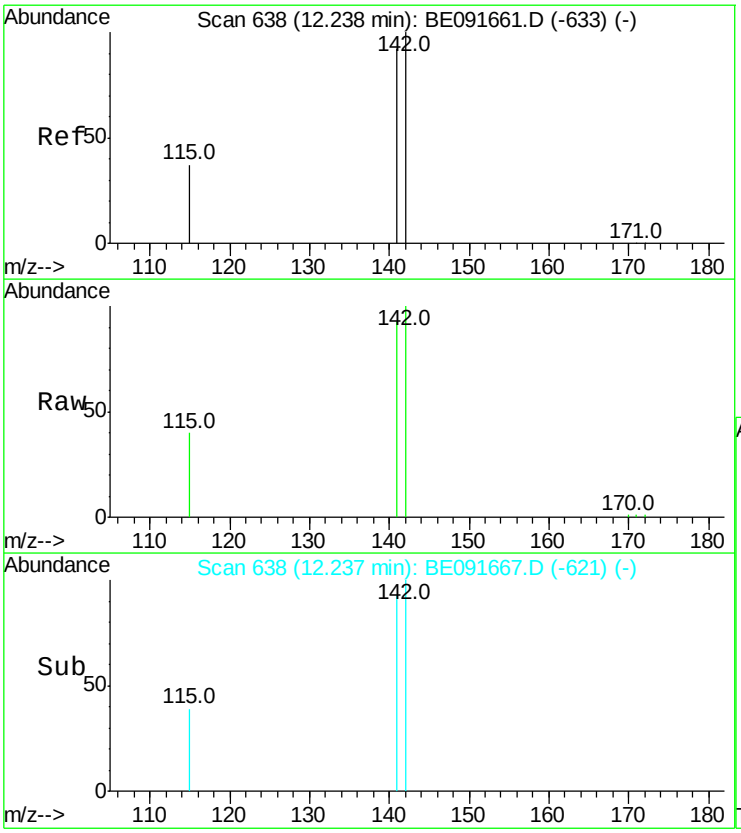
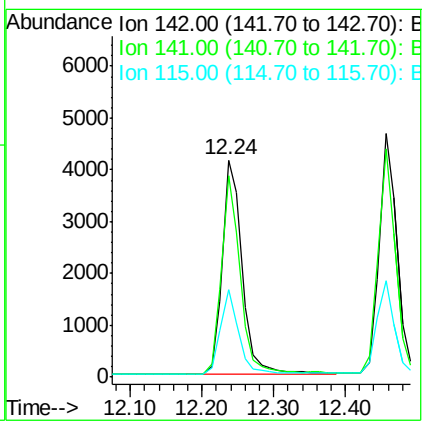
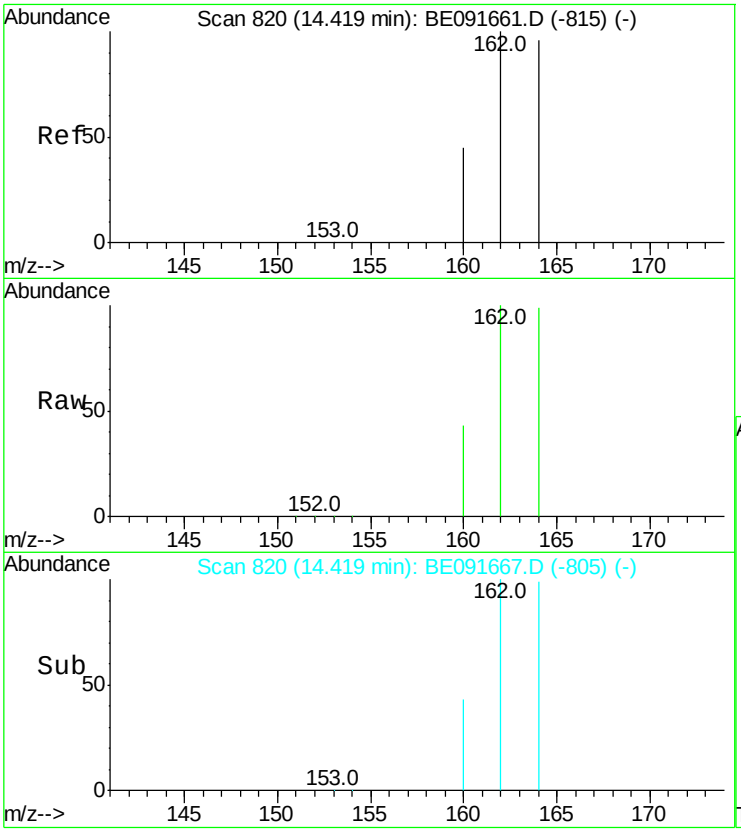


#12
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:142 Resp: 7934

Ion	Ratio	Lower	Upper
142	100		
141	93.0	71.4	107.0
115	40.2	30.3	45.5





#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:164 Resp: 90976

Ion	Ratio	Lower	Upper
164	100		
162	100.9	85.3	127.9
160	43.4	46.2	69.2#

Instrument :
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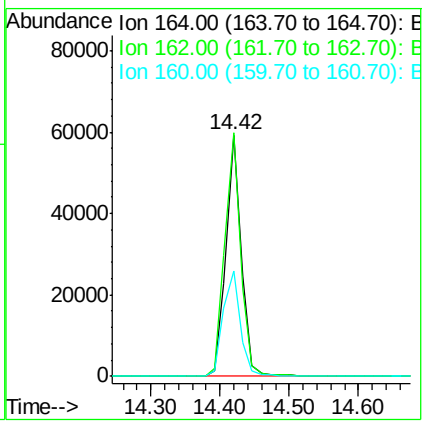
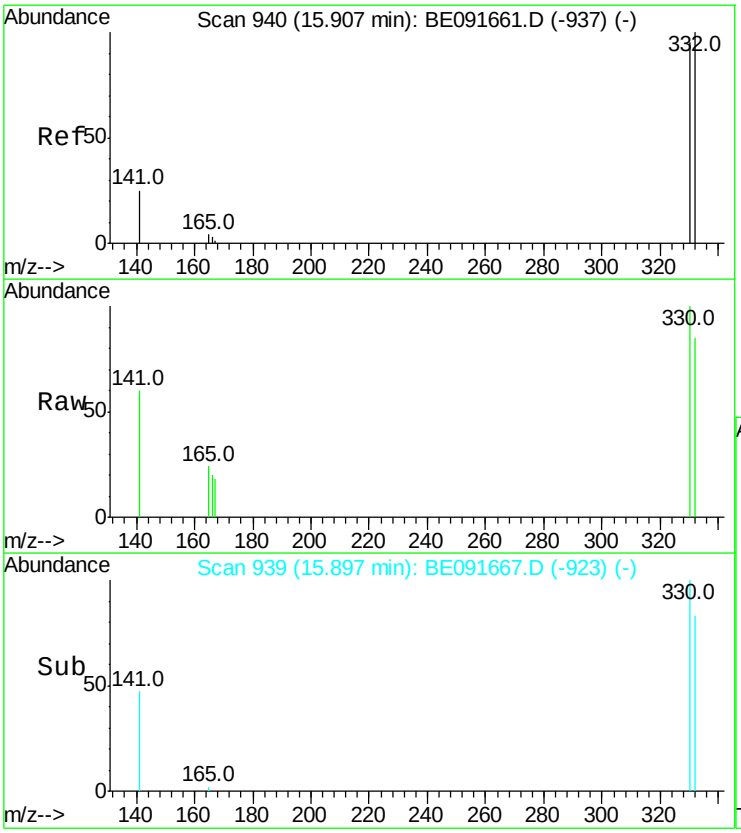
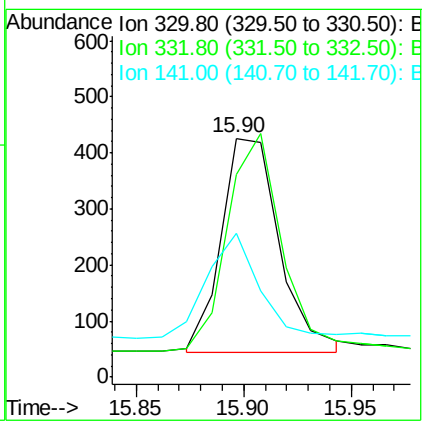


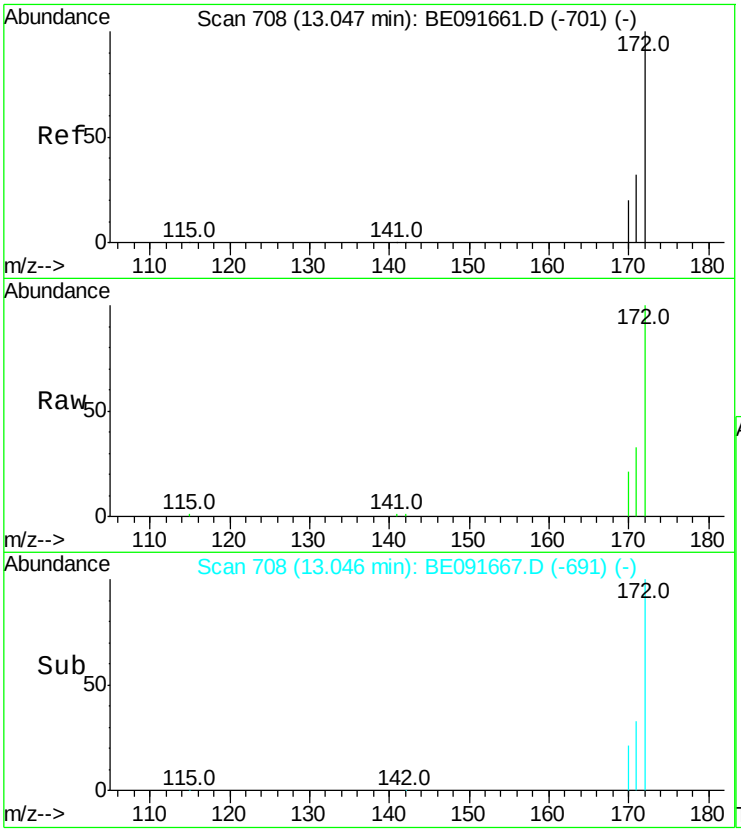


#14
2,4,6-Tribromophenol
Concen: 0.45 ng m
RT: 15.90 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:330 Resp: 720

Ion	Ratio	Lower	Upper
330	100		
332	175.8	79.1	118.7#
141	46.9	125.4	188.0#

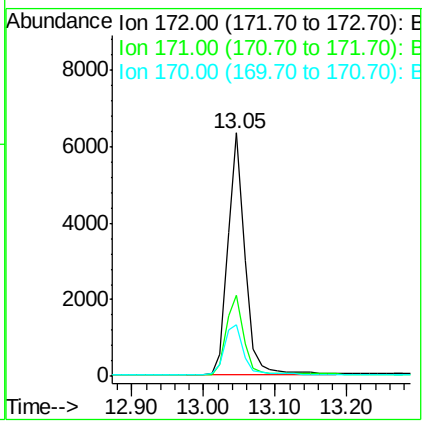




#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:172 Resp: 10410

Ion	Ratio	Lower	Upper
172	100		
171	33.3	28.8	43.2
170	21.4	19.3	28.9



Instrument :
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Manual Integrations APPROVED
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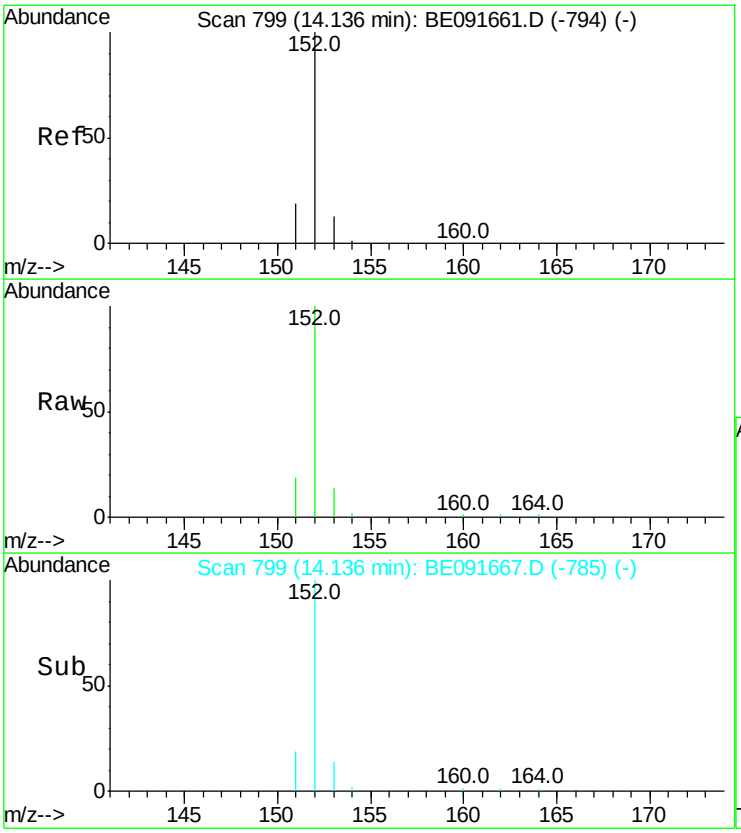
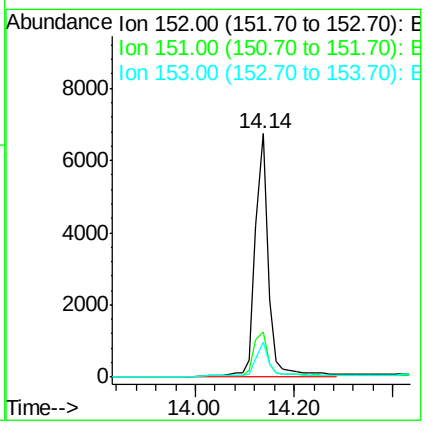
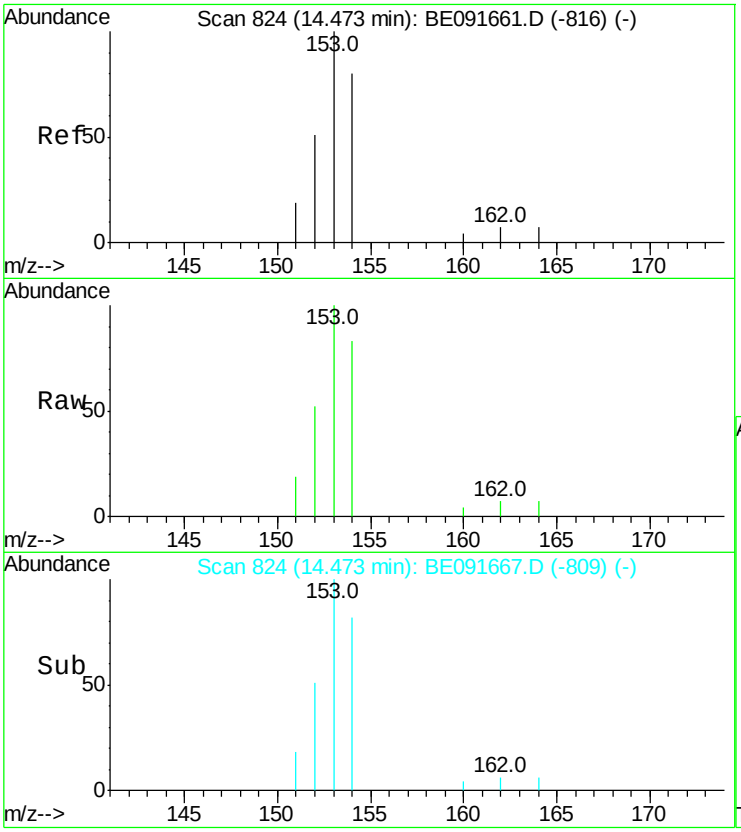


#16
Acenaphthylene
Concen: 0.40 ng
RT: 14.14 min Scan# 799
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:152 Resp: 13528

Ion	Ratio	Lower	Upper
152	100		
151	18.8	3.9	5.9#
153	18.9	10.3	15.5#

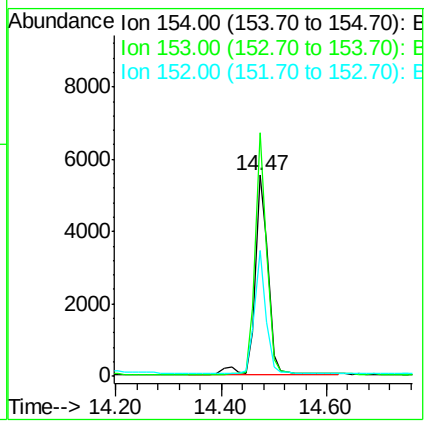




#17
Acenaphthene
Concen: 0.42 ng
RT: 14.47 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:154 Resp: 9388

Ion	Ratio	Lower	Upper
154	100		
153	109.9	80.0	120.0
152	55.5	40.0	60.0



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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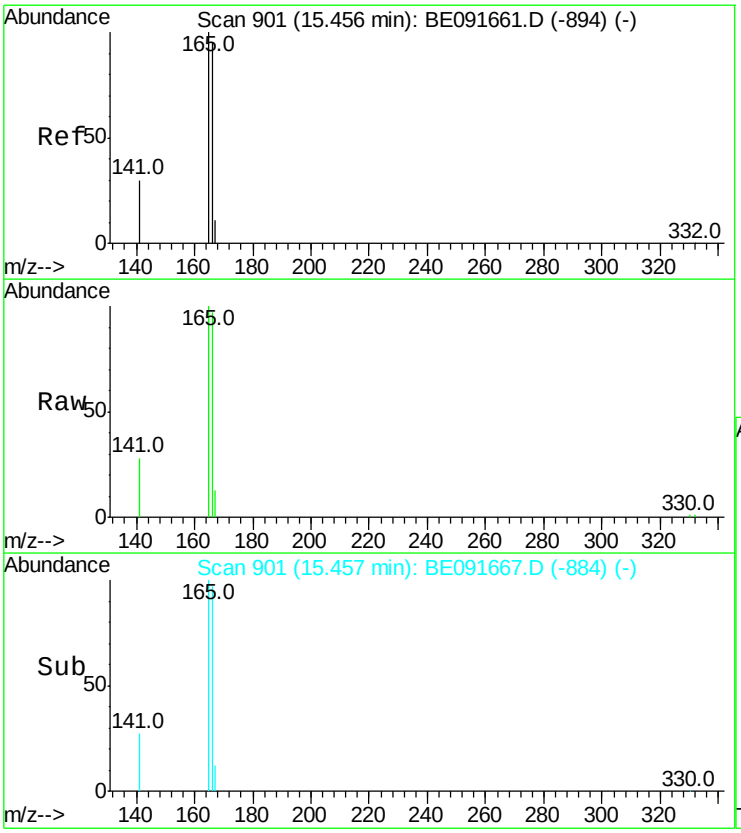
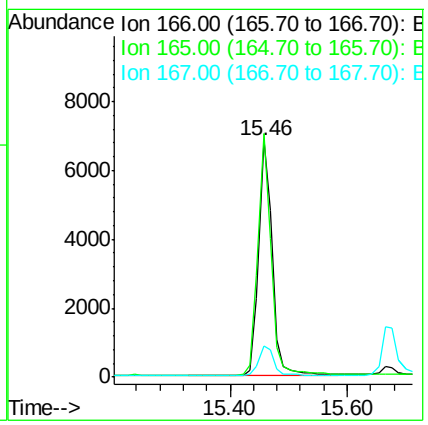
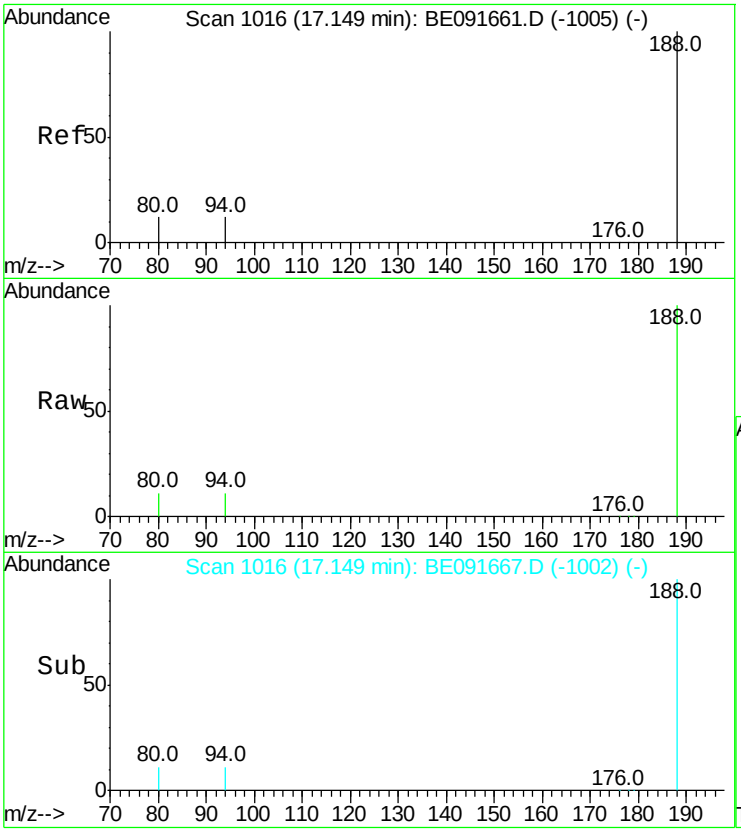


#18
Fluorene
Concen: 0.40 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:166 Resp: 10982

Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.8	121.2
167	13.6	10.9	16.3

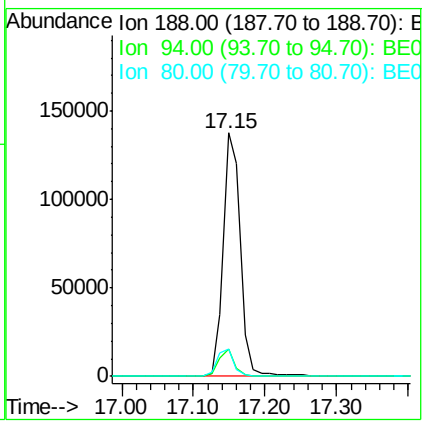




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:188 Resp: 229151

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.7	13.1
80	11.3	9.4	14.0



Instrument :
BNA_E
ClientSampleId :
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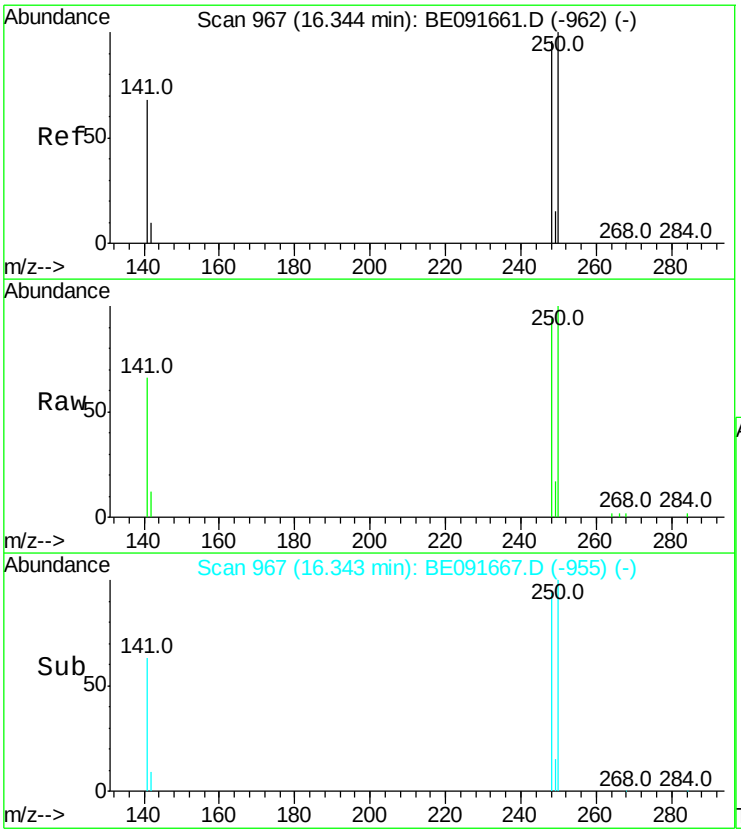
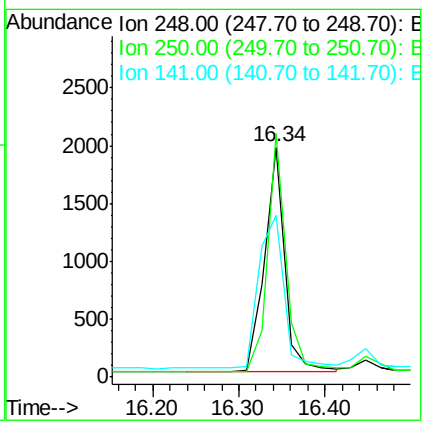
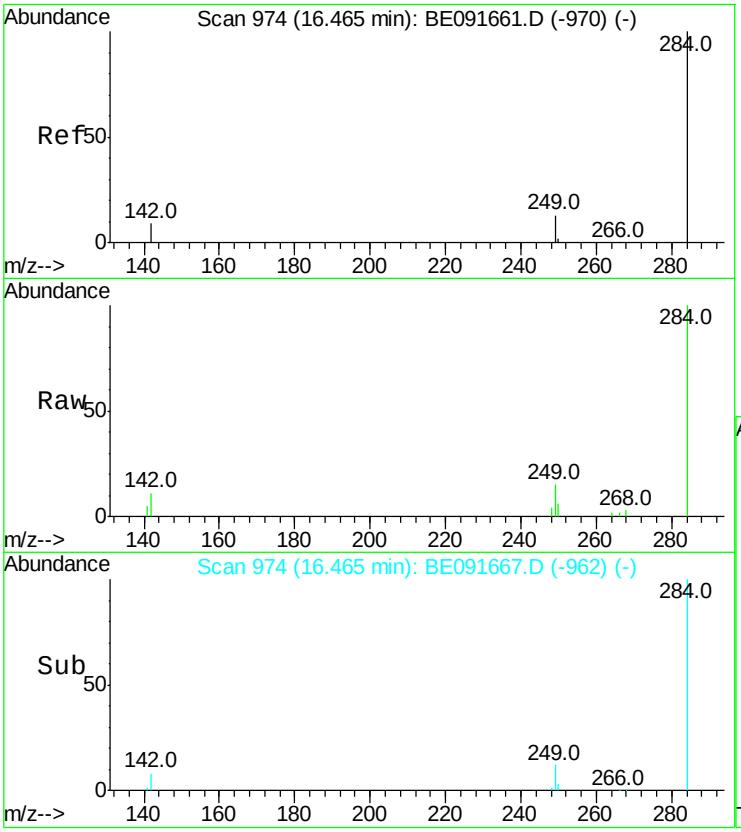


#20
4-Bromophenyl-phenylether
Concen: 0.40 ng
RT: 16.34 min Scan# 967
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:248 Resp: 3183

Ion	Ratio	Lower	Upper
248	100		
250	96.8	80.5	120.7
141	85.5	72.0	108.0

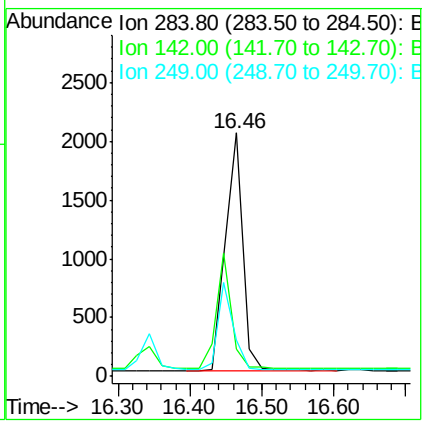




#21
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:284 Resp: 3350

Ion	Ratio	Lower	Upper
284	100		
142	42.9	32.2	48.2
249	33.5	25.4	38.2



Instrument :
BNA_E
ClientSampleId :
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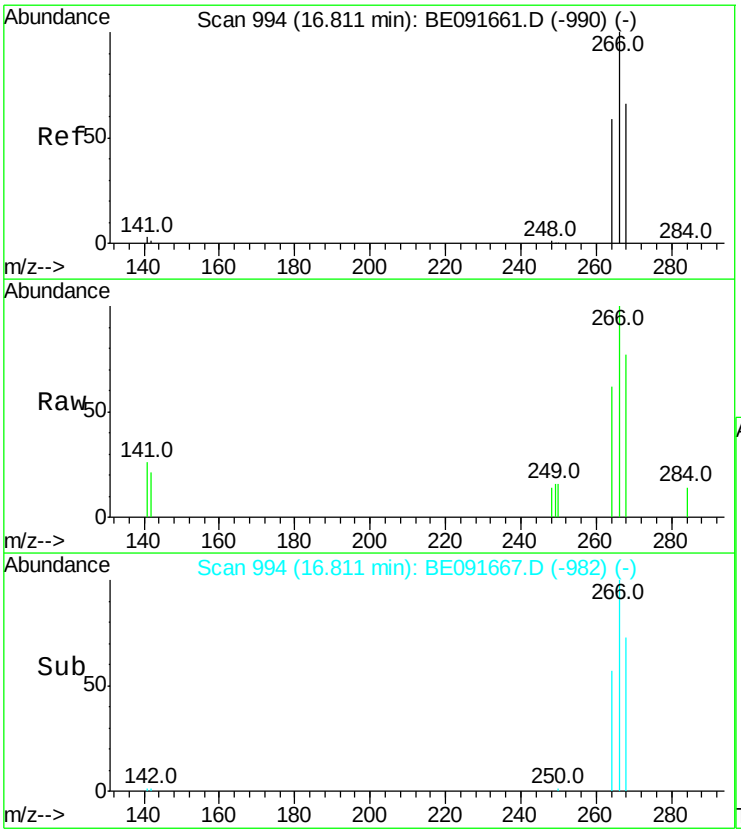
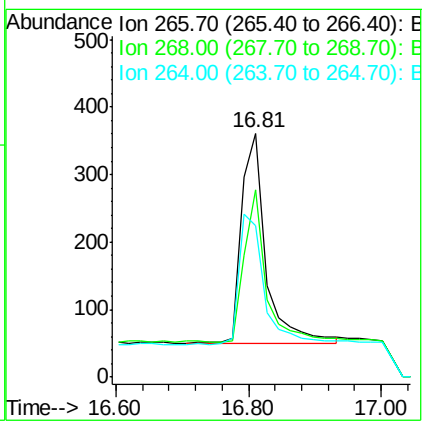
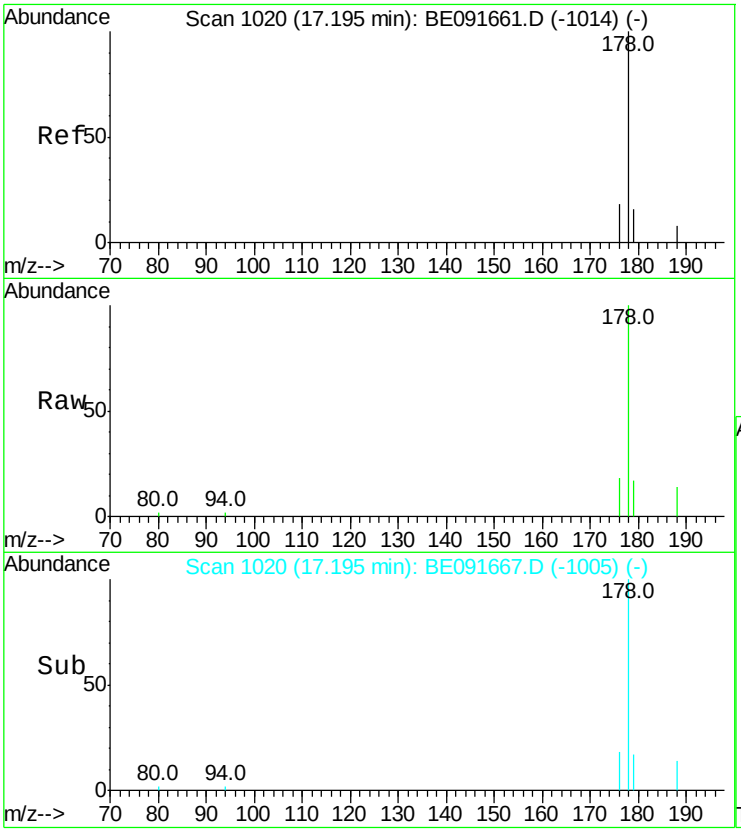


#22
Pentachlorophenol
Concen: 0.45 ng
RT: 16.81 min Scan# 994
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:266 Resp: 793

Ion	Ratio	Lower	Upper
266	100		
268	77.0	58.2	87.2
264	62.3	56.2	84.4

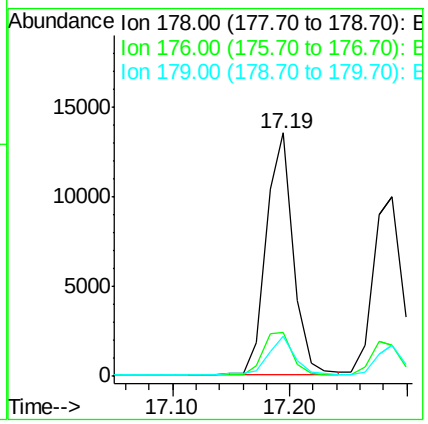




#23
Phenanthrene
Concen: 0.41 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:178 Resp: 21545

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.4	12.6	18.8



Instrument :
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ClientSampleId :
ICVBE041816

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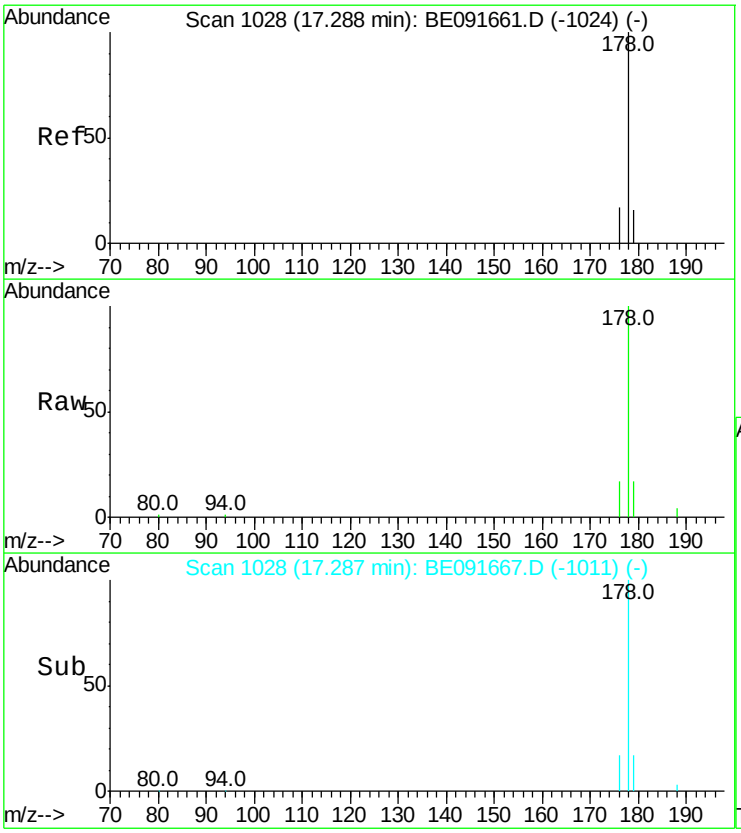
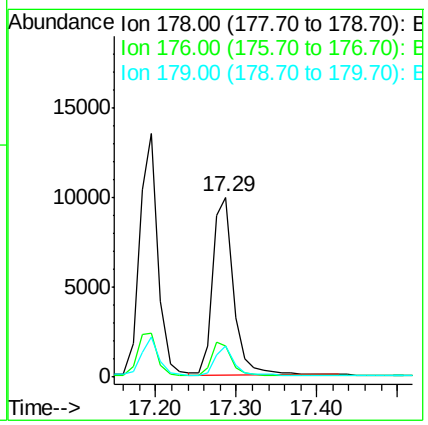
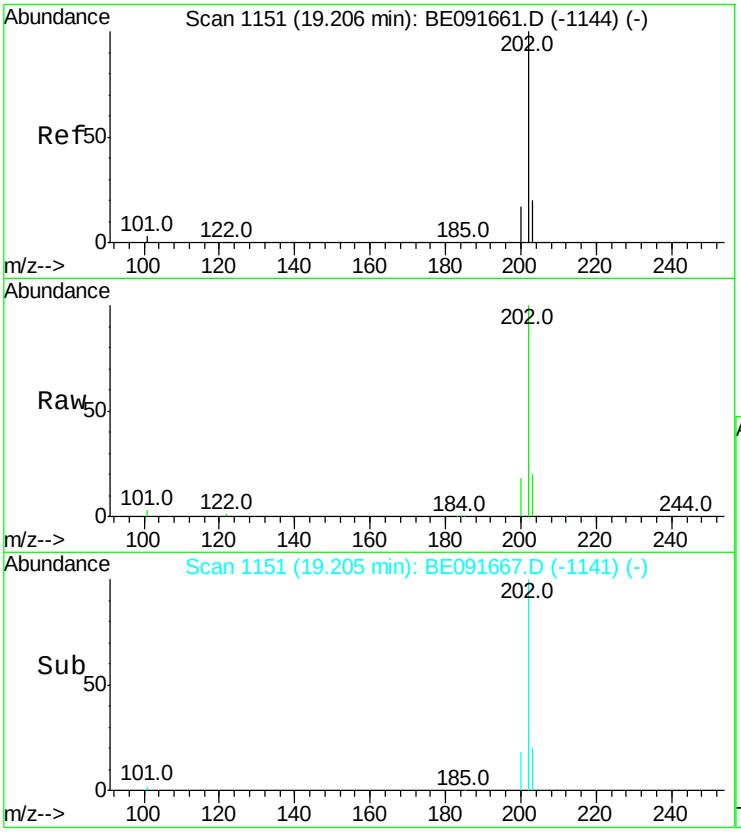


#24
Anthracene
Concen: 0.39 ng
RT: 17.29 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:178 Resp: 18052

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.0	11.8	17.6





#25
Fluoranthene
Concen: 0.41 ng
RT: 19.20 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:202 Resp: 21394

Ion	Ratio	Lower	Upper
202	100		
101	11.9	11.0	16.6
203	18.0	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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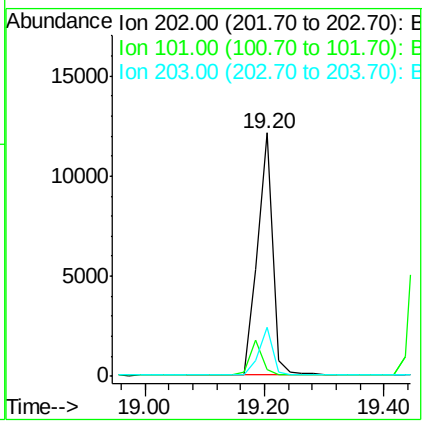
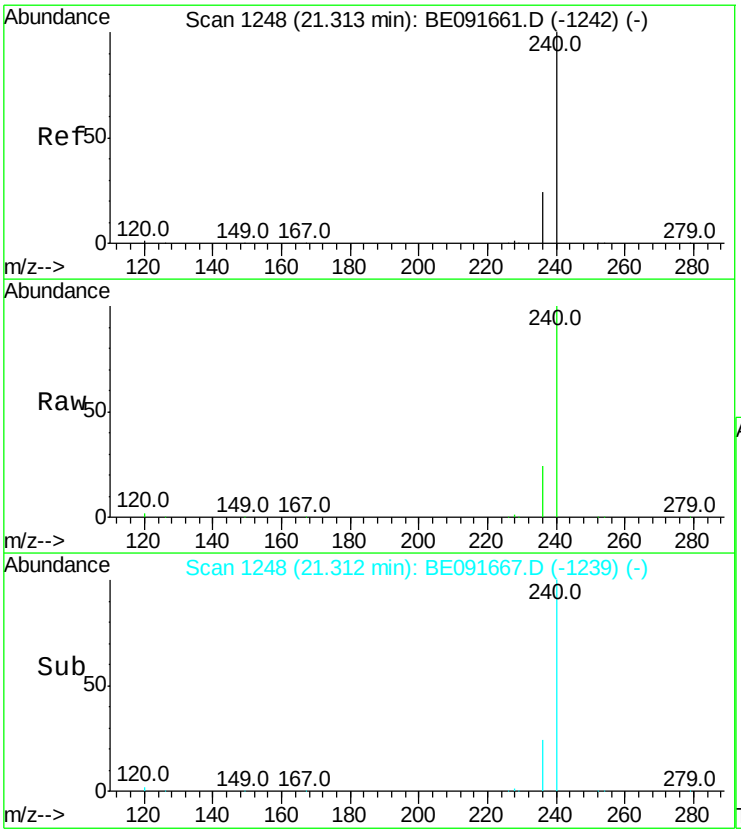
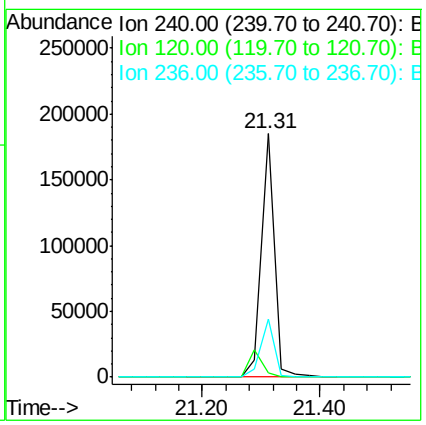


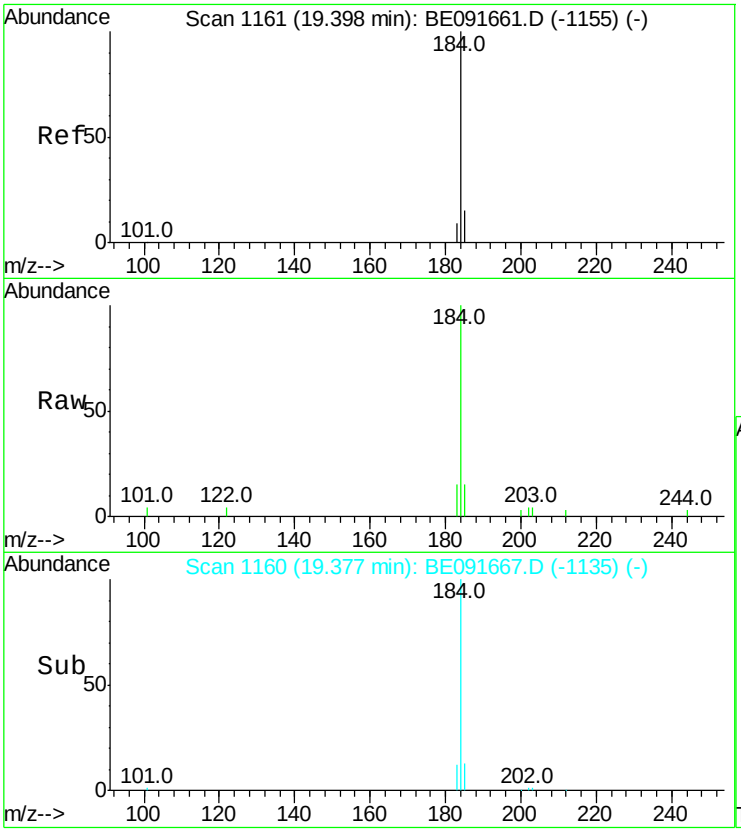


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:240 Resp: 287502

Ion	Ratio	Lower	Upper
240	100		
120	1.6	11.0	16.4#
236	23.9	21.7	32.5





#27
Benzidine
Concen: 0.41 ng
RT: 19.38 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:184 Resp: 5563

Ion	Ratio	Lower	Upper
184	100		
185	15.4	22.3	33.5#
183	14.7	16.4	24.6#

Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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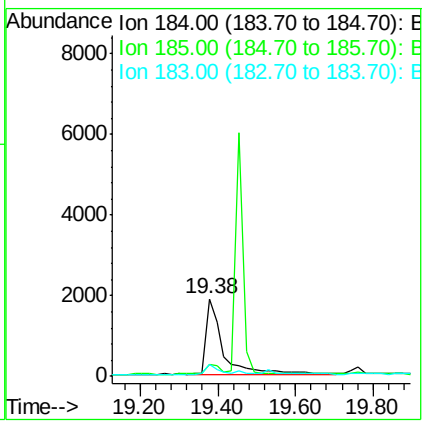
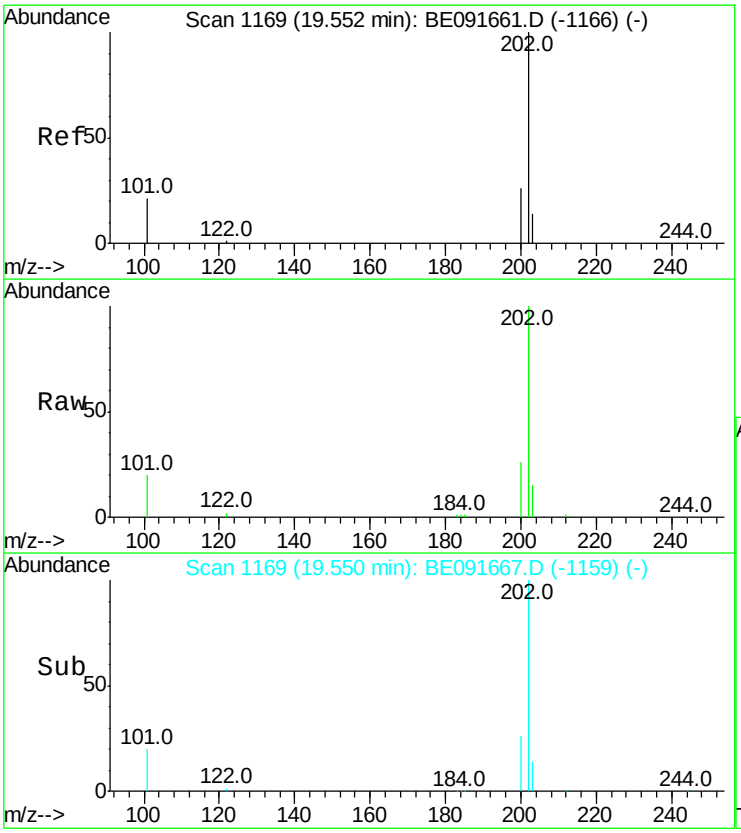
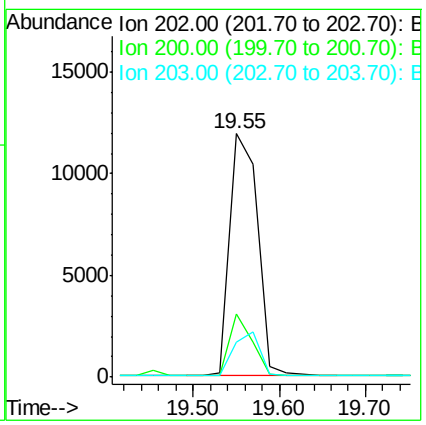


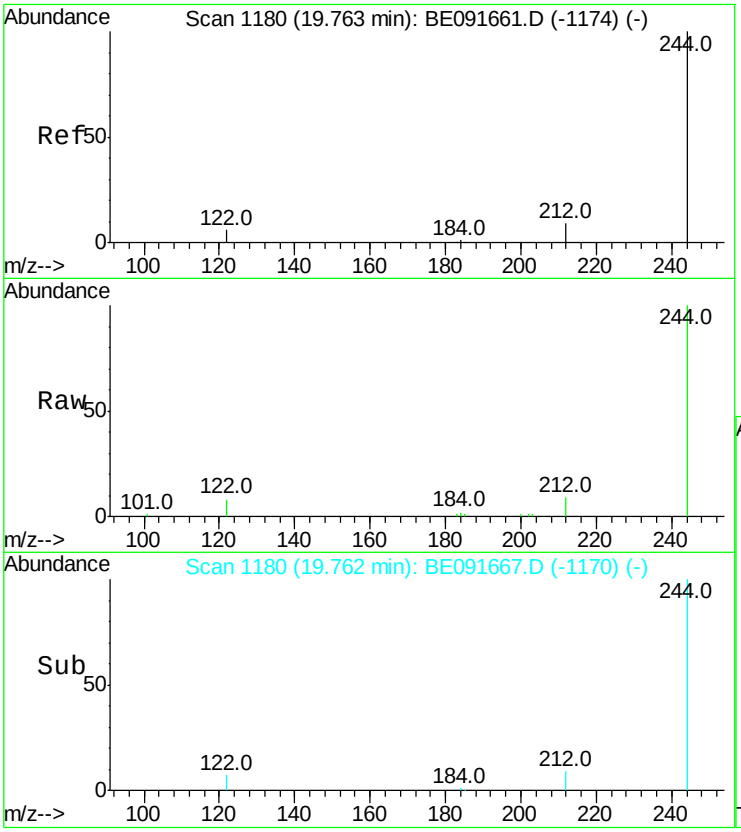


#28
Pyrene
Concen: 0.46 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:202 Resp: 26702

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.6	14.0	21.0

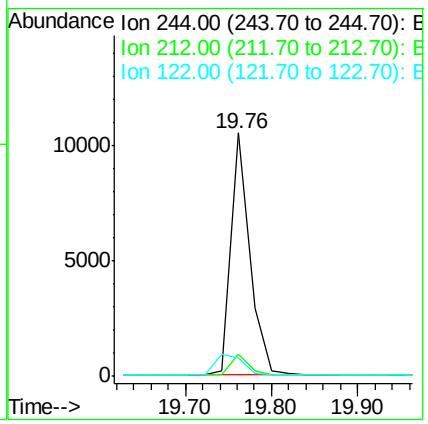




#29
Terphenyl-d14
Concen: 0.41 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:244 Resp: 16135

Ion	Ratio	Lower	Upper
244	100		
212	9.3	6.9	10.3
122	7.8	11.0	16.4#



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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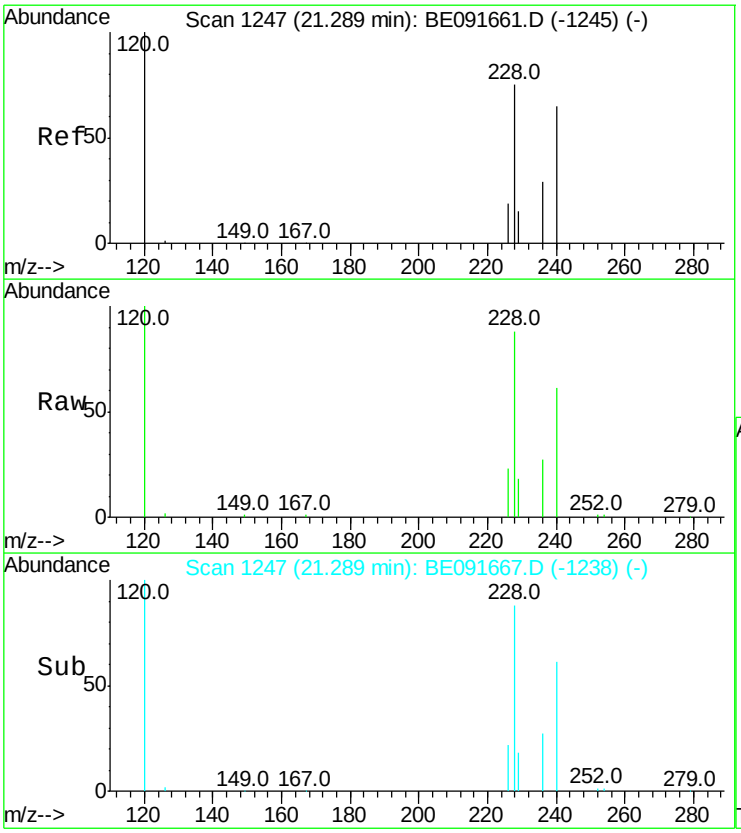
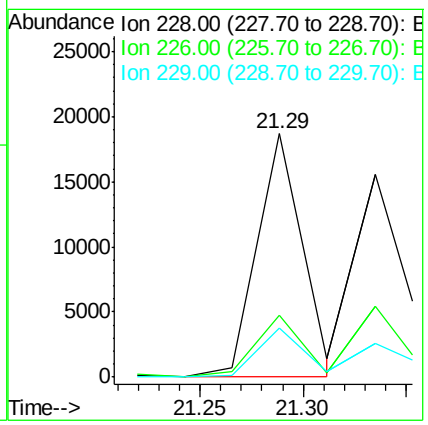
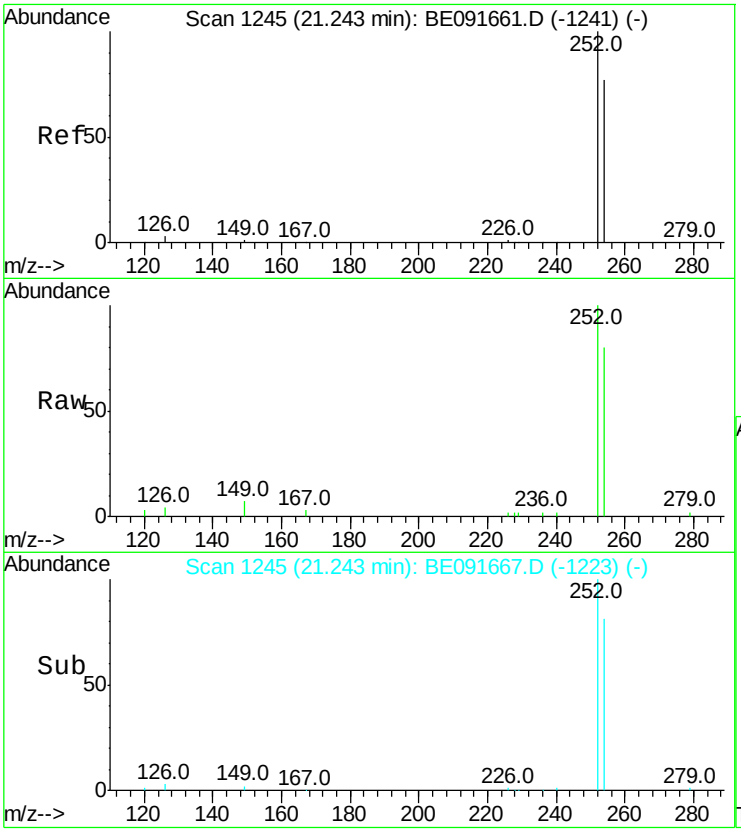


#30
Benzo(a)anthracene
Concen: 0.43 ng m
RT: 21.29 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:228 Resp: 28797

Ion	Ratio	Lower	Upper
228	100		
226	25.5	21.0	31.4
229	20.1	15.7	23.5

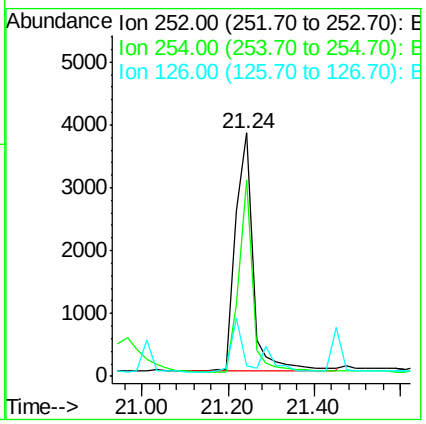




#31
3,3'-Dichlorobenzidine
Concen: 0.46 ng
RT: 21.24 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:252 Resp: 10402

Ion	Ratio	Lower	Upper
252	100		
254	80.5	51.1	76.7#
126	4.5	12.6	18.8#



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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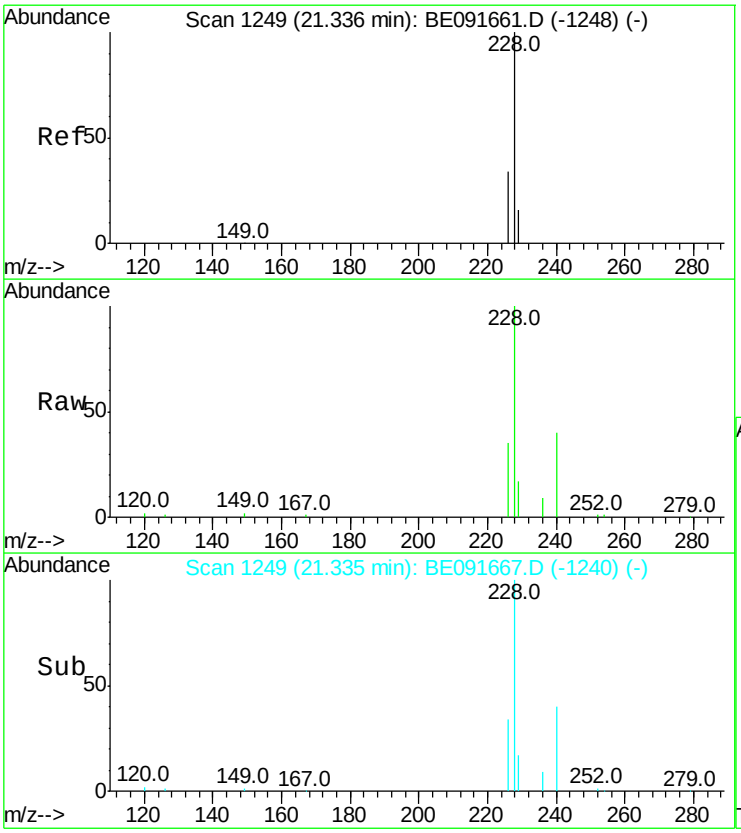
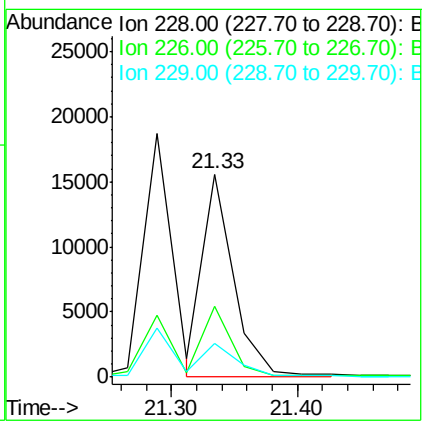
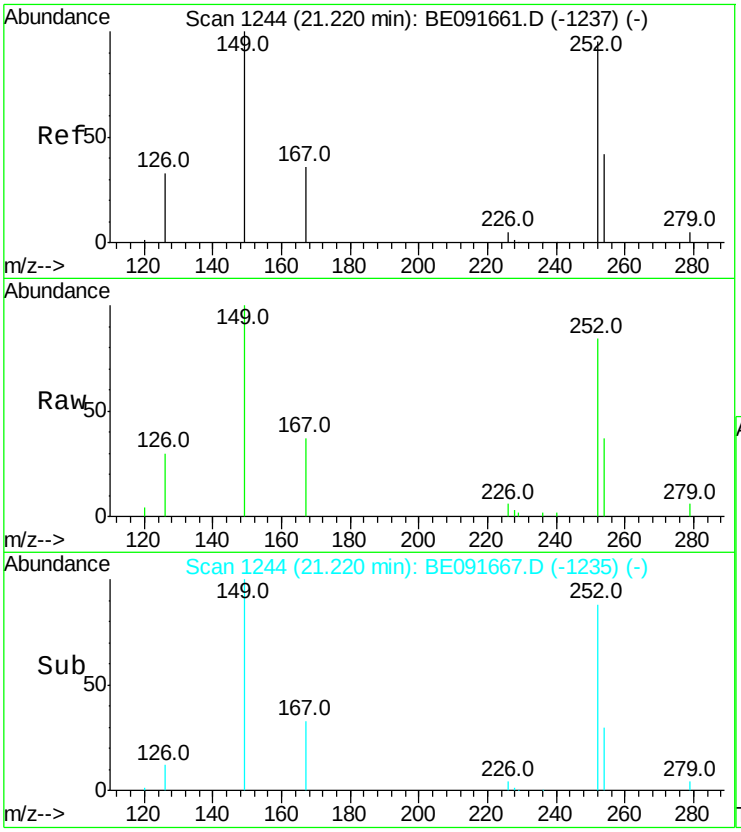


#32
Chrysene
Concen: 0.40 ng m
RT: 21.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:228 Resp: 27363

Ion	Ratio	Lower	Upper
228	100		
226	34.7	24.0	36.0
229	16.9	15.9	23.9





#33
Bis(2-ethylhexyl)phthalate
Concen: 0.55 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:149 Resp: 5843

Ion	Ratio	Lower	Upper
149	100		
167	30.1	19.5	29.3#
279	3.9	10.0	15.0#

Instrument :
BNA_E
ClientSampleId :
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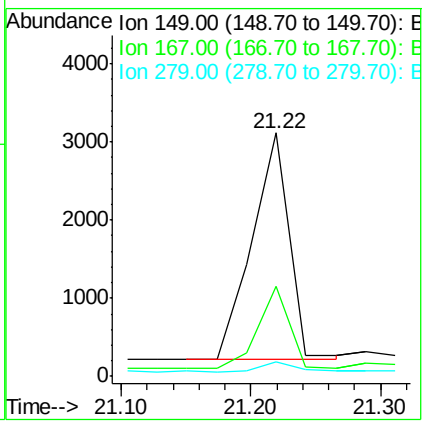
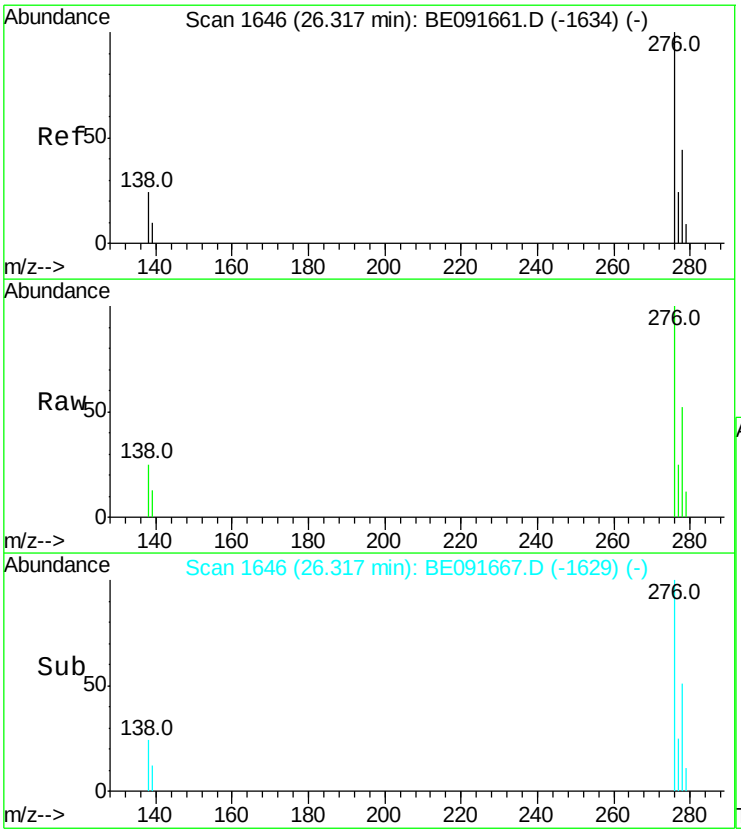
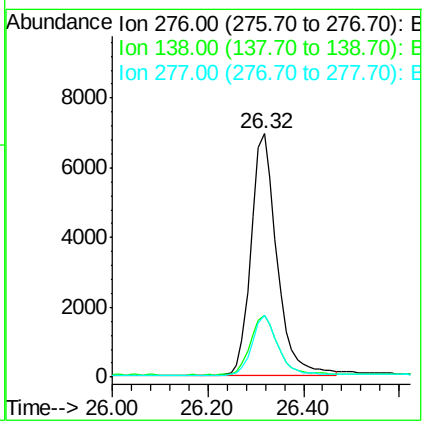


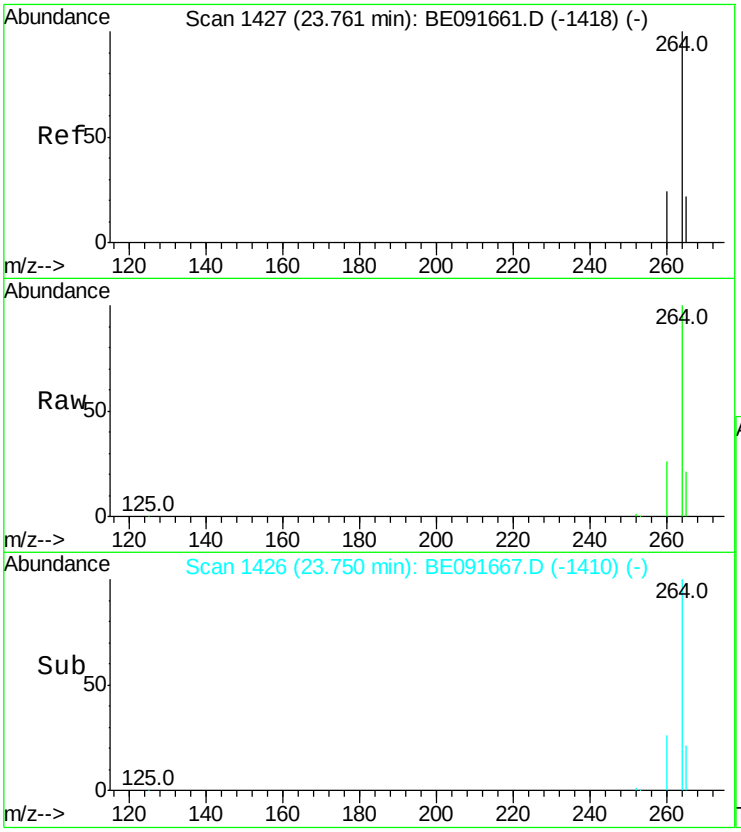


#34
Indeno(1,2,3-cd)pyrene
Concen: 0.42 ng
RT: 26.32 min Scan# 1646
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:276 Resp: 25899

Ion	Ratio	Lower	Upper
276	100		
138	26.0	23.4	35.2
277	24.6	19.8	29.8





#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:264 Resp: 252532

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.0	30.0
265	21.2	17.5	26.3

Instrument :
BNA_E
ClientSampleId :
ICVBE041816

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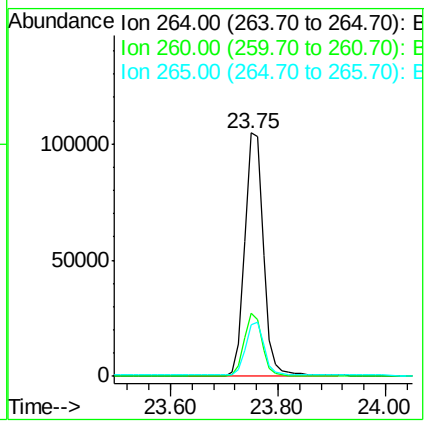
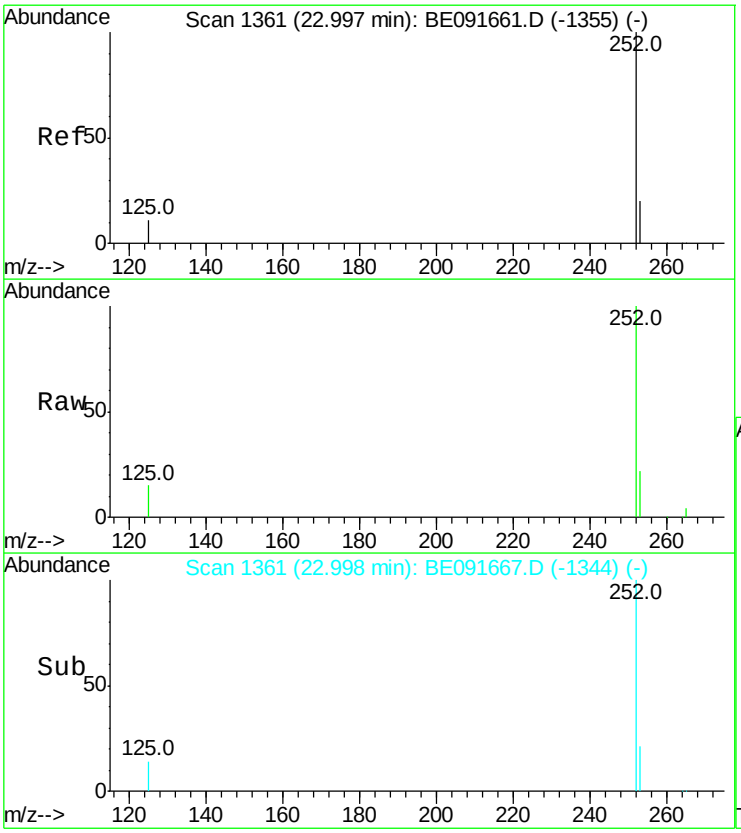
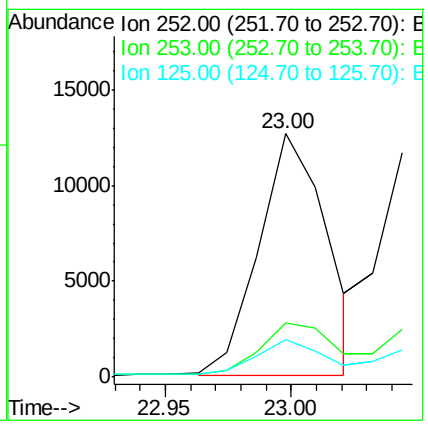


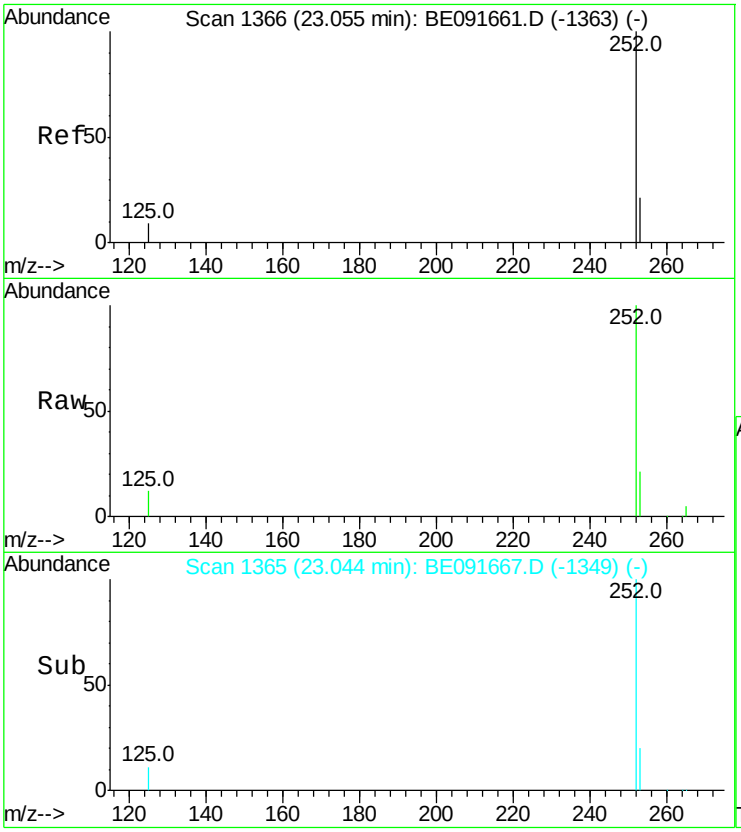


#36
Benzo(b)fluoranthene
Concen: 0.42 ng m
RT: 23.00 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:252 Resp: 23504

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	15.3	10.2	15.2#

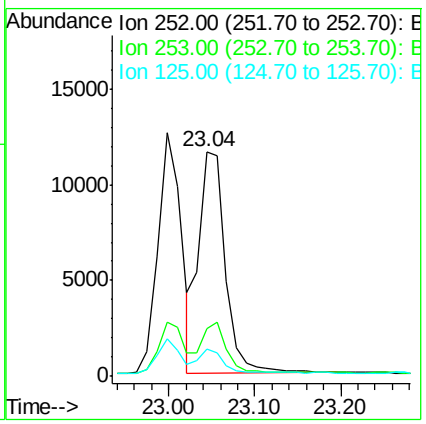




#37
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 23.04 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

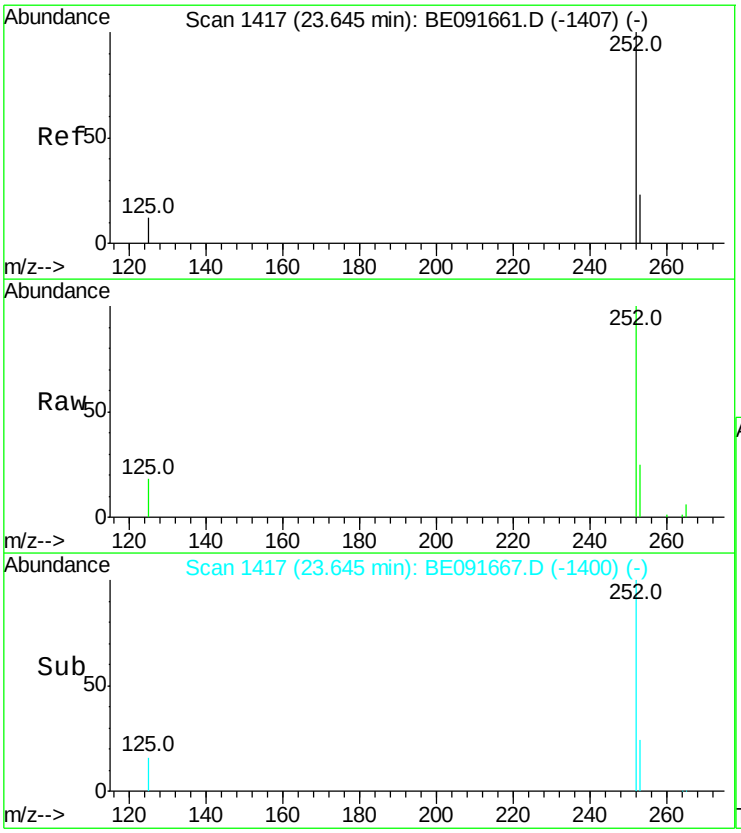
Tgt Ion:252 Resp: 24756

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	12.3	9.9	14.9



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

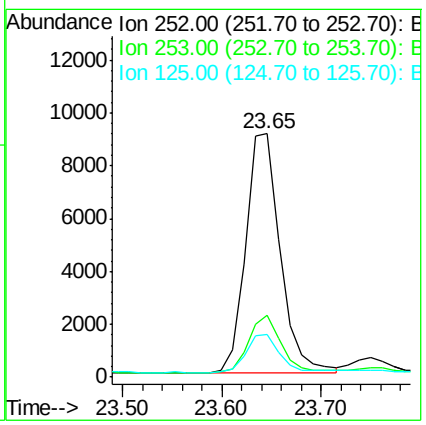
Manual Integrations APPROVED
Sohil
4/19/2016 6:38:57 PM

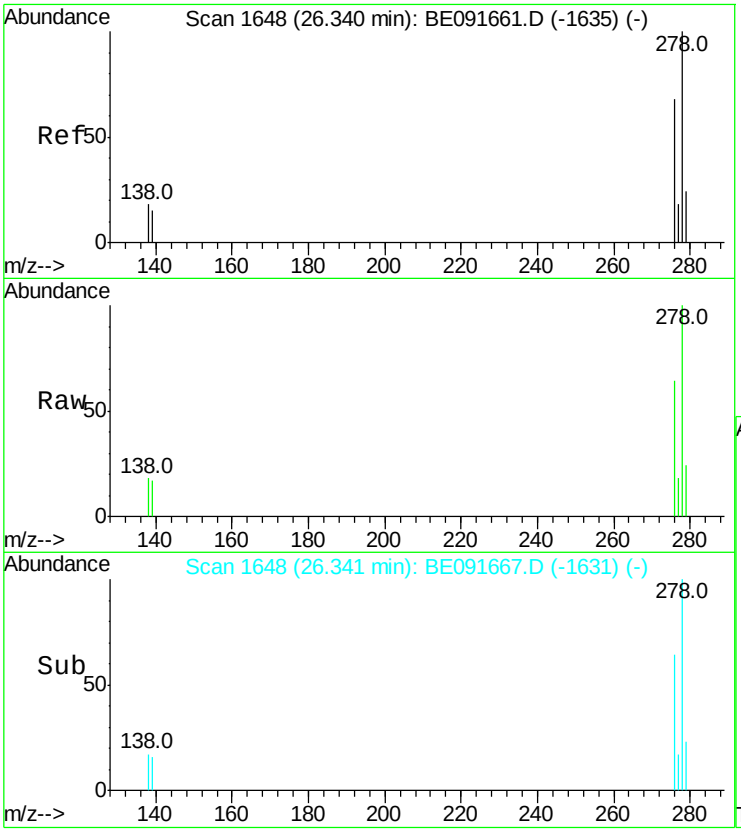


#38
Benzo(a)pyrene
Concen: 0.42 ng
RT: 23.65 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:252 Resp: 21896

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	17.6	11.0	16.4#

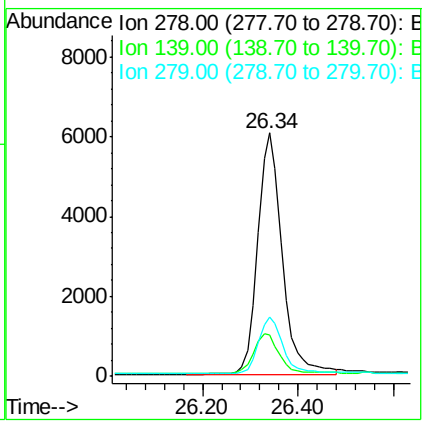




#39
Dibenzo(a,h)anthracene
Concen: 0.42 ng
RT: 26.34 min Scan# 1648
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

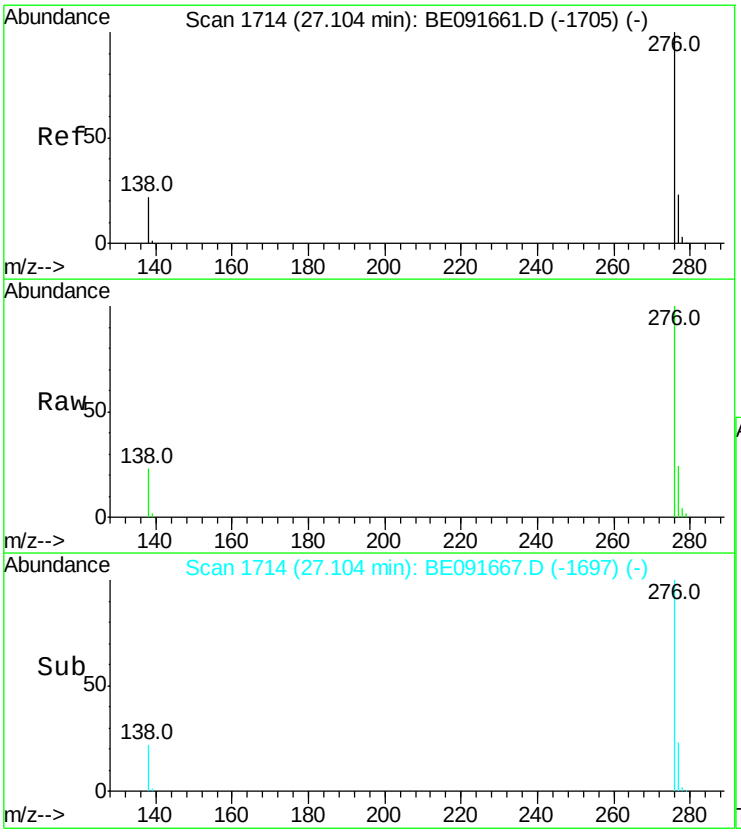
Tgt Ion:278 Resp: 21320

Ion	Ratio	Lower	Upper
278	100		
139	16.8	16.0	24.0
279	24.5	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
ICVBE041816

Manual Integrations APPROVED
Sohil
4/19/2016 6:38:57 PM



#40
Benzo(g,h,i)perylene
Concen: 0.41 ng
RT: 27.10 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE091667.D
Acq: 18 Apr 2016 16:19

Tgt Ion:276 Resp: 21394

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	23.2	20.4	30.6