Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032116\
Data File : BE097499.D
Acq On : 21 Mar 2016 15:02
Operator : UM/SJ
Sample : MDL-04-W
Misc : 0.08PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Manual Integrations APPROVED
mohammad
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Quant Time: Mar 21 15:42:04 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 14:14:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	55828	5.00	ng		0.00
6) Naphthalene-d8	10.61	136	244202	5.00	ng		0.00
10) Acenaphthene-d10	14.44	164	140928	5.00	ng		0.00
16) Phenanthrene-d10	17.17	188	366455	5.00	ng		-0.01
22) Chrysene-d12	21.34	240	459845	5.00	ng		0.00
28) Perylene-d12	23.80	264	414704	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.43	112	88630	6.91	ng		0.00
5) Phenol-d6	6.99	99	118191	7.06	ng		0.00
7) Nitrobenzene-d5	8.98	82	42344	3.25	ng		0.00
11) 2,4,6-Tribromophenol	15.92	330	29790	5.80	ng		-0.01
12) 2-Fluorobiphenyl	13.07	172	149631	4.22	ng		0.00
24) Terphenyl-d14	19.78	244	240525	4.35	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	841	0.12	ng	#	61
3) n-Nitrosodimethylamine	3.70	42	321	0.03	ng	#	75
8) Naphthalene	10.65	128	3061	0.05	ng	#	94
9) 2-Methylnaphthalene	12.27	142	1717	0.04	ng	#	96
13) Acenaphthylene	14.16	152	2077m	0.16	ng		
14) Acenaphthene	14.50	154	1952	0.04	ng		90
15) Fluorene	15.48	166	2462	0.04	ng		99
17) Hexachlorobenzene	16.48	284	792	0.05	ng		90
18) Pentachlorophenol	16.83	266	346	0.24	ng	#	88
19) Phenanthrene	17.22	178	5566m	0.05	ng		
20) Anthracene	17.31	178	3914	0.04	ng		99
21) Fluoranthene	19.22	202	4996	0.04	ng		95
23) Pyrene	19.59	202	5503	0.05	ng		98
25) Benzo(a)anthracene	21.31	228	7522m	0.06	ng		
26) Chrysene	21.36	228	9300m	0.07	ng		
27) Indeno(1,2,3-cd)pyrene	26.39	276	5872	0.04	ng		97
29) Benzo(b)fluoranthene	23.03	252	7974	0.06	ng	#	86
30) Benzo(k)fluoranthene	23.09	252	6601	0.05	ng	#	87
31) Benzo(a)pyrene	23.68	252	5027	0.04	ng	#	75
32) Dibenzo(a,h)anthracene	26.42	278	4740	0.04	ng	#	85
33) Benzo(g,h,i)perylene	27.17	276	5255	0.04	ng		92

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

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Instrument :
BNA_E
ClientSampleId :

Manual Integrations APPROVED
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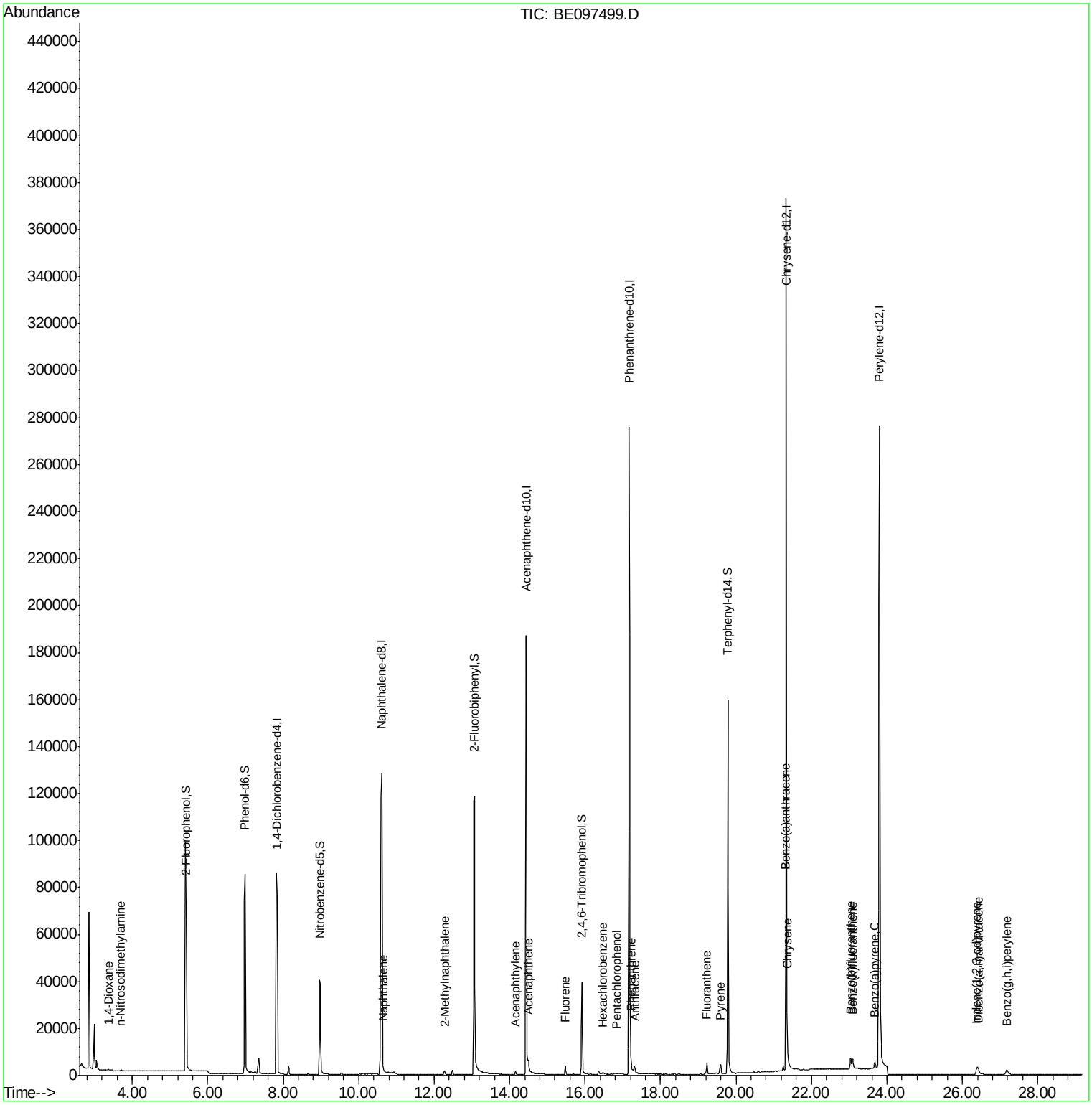
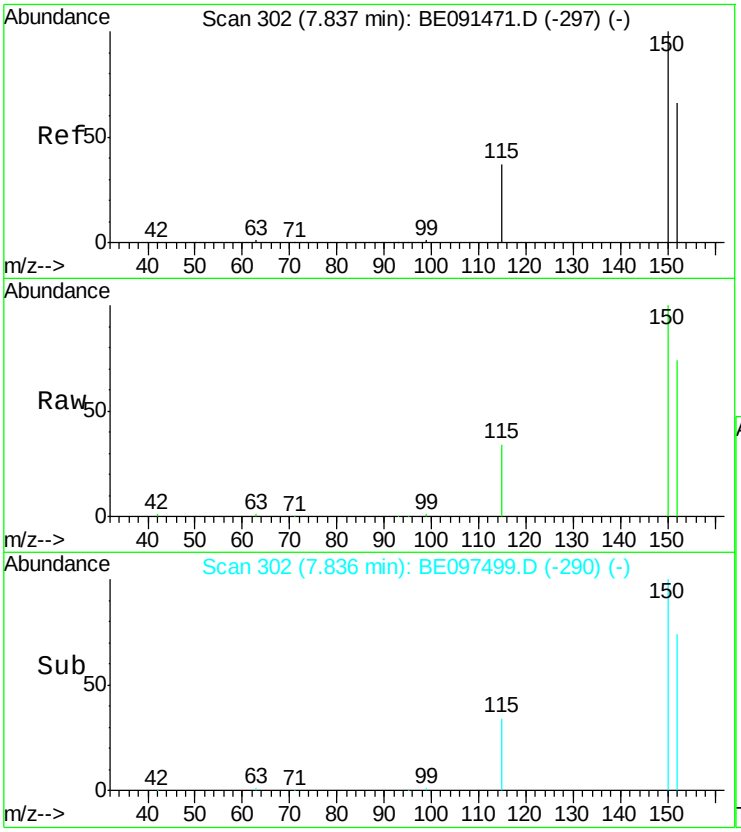
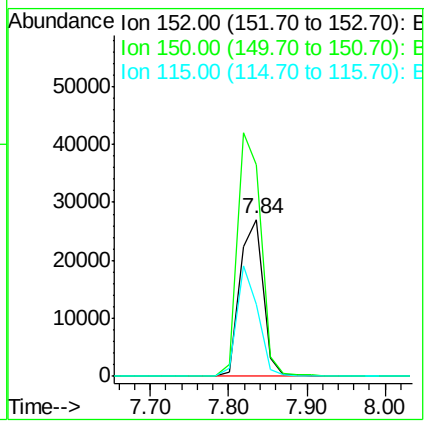




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:152 Resp: 55828

Ion	Ratio	Lower	Upper
152	100		
150	135.1	122.2	183.2
115	46.2	45.9	68.9



Instrument :
BNA_E
ClientSampleId :

Manual Integrations APPROVED
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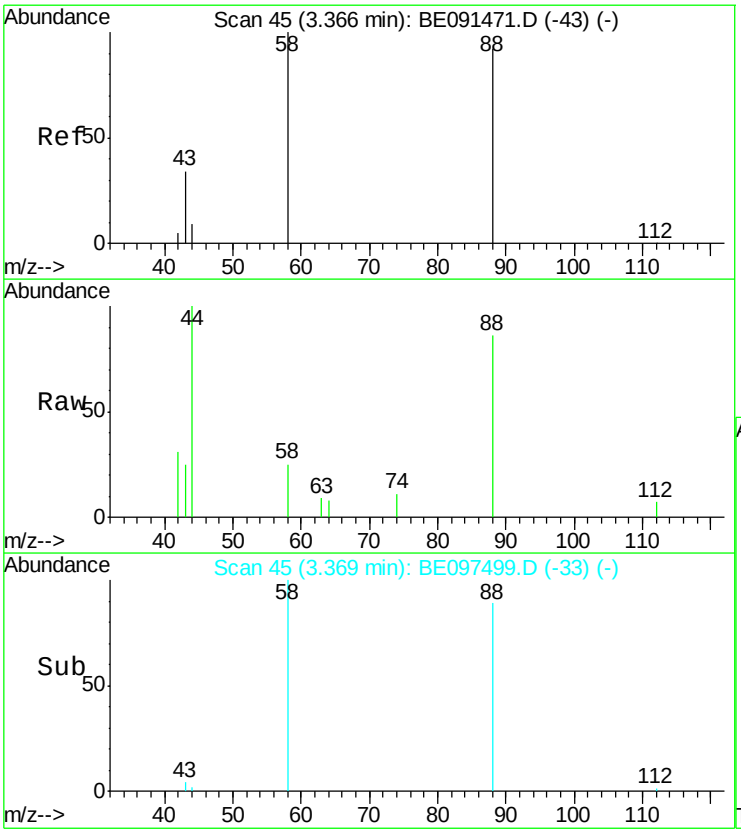
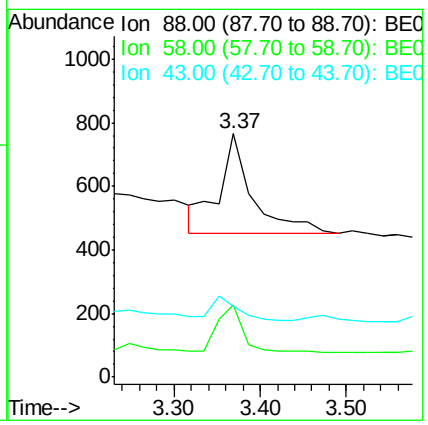
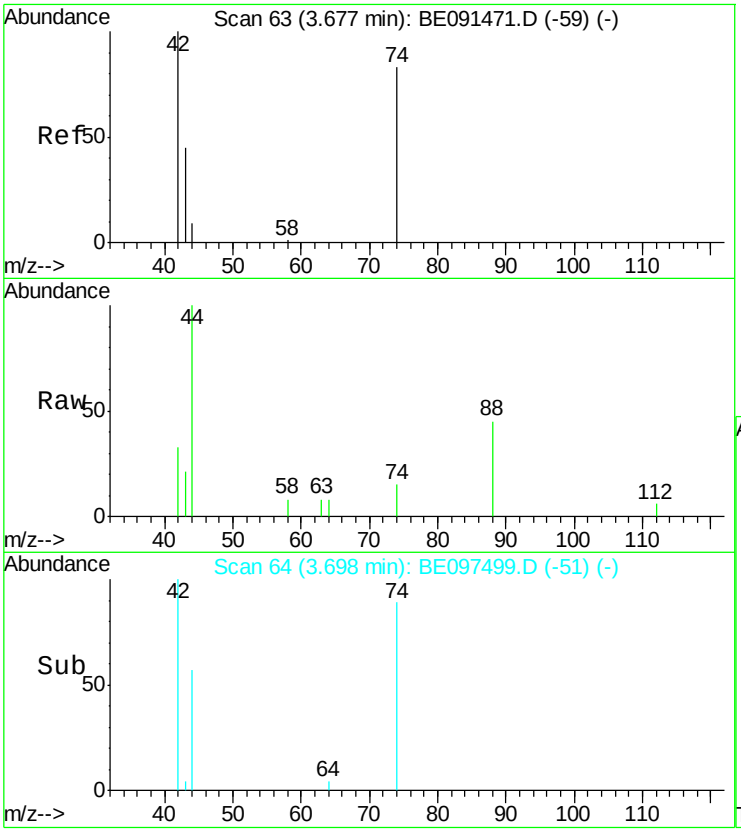


#2
1,4-Dioxane
Concen: 0.12 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion: 88 Resp: 841

Ion	Ratio	Lower	Upper
88	100		
58	36.0	61.0	91.6#
43	20.0	25.4	38.2#

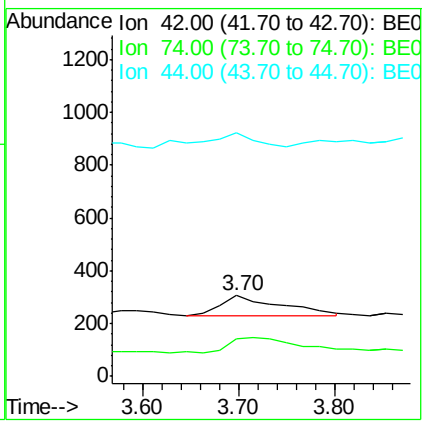




#3
n-Nitrosodimethylamine
Concen: 0.03 ng
RT: 3.70 min Scan# 64
Delta R.T. 0.02 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion: 42 Resp: 321

Ion	Ratio	Lower	Upper
42	100		
74	91.9	84.3	126.5
44	68.5	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :

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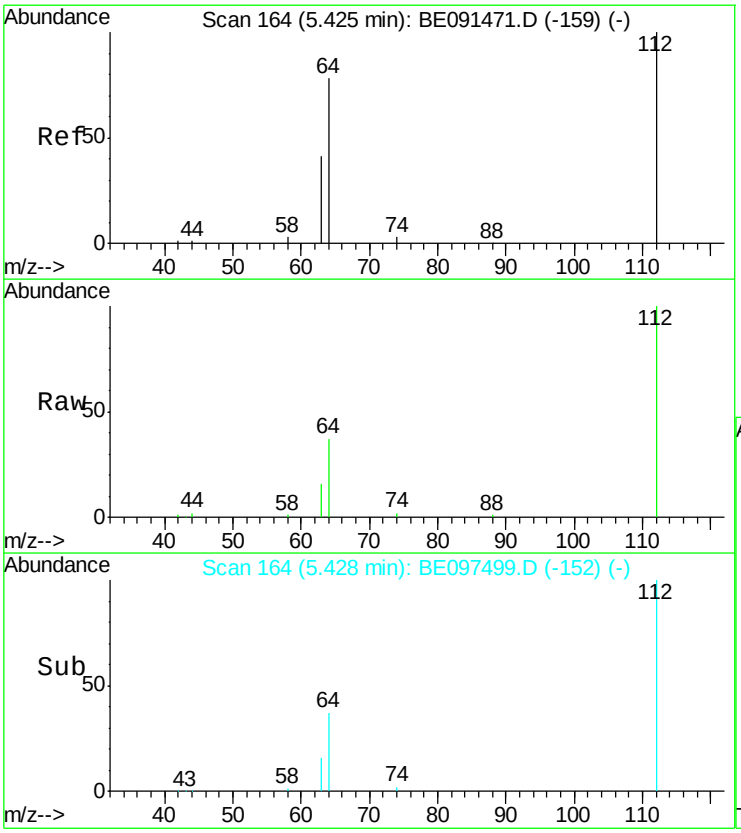
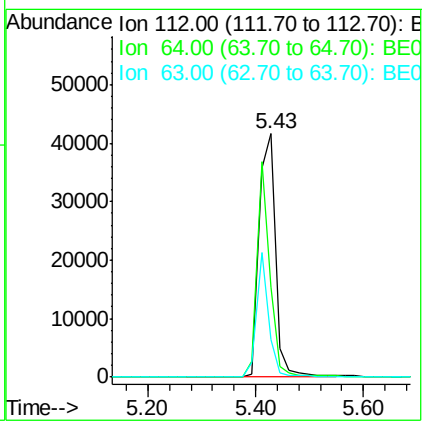
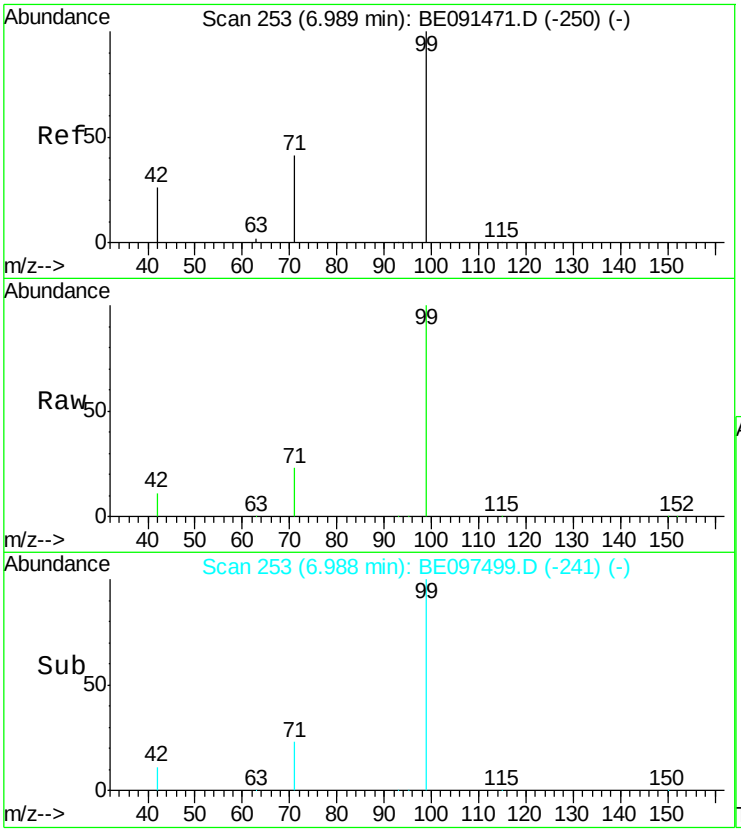


#4
2-Fluorophenol
Concen: 6.91 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:112 Resp: 88630

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.3	79.9
63	37.0	29.8	44.8

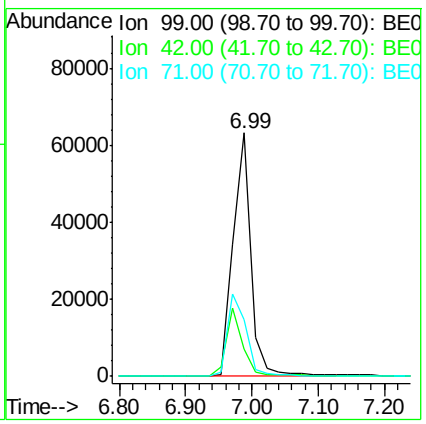




#5
Phenol-d6
Concen: 7.06 ng
RT: 6.99 min Scan# 253
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion: 99 Resp: 118191

Ion	Ratio	Lower	Upper
99	100		
42	25.3	20.6	30.8
71	35.9	29.0	43.4



Instrument :
BNA_E
ClientSampleId :

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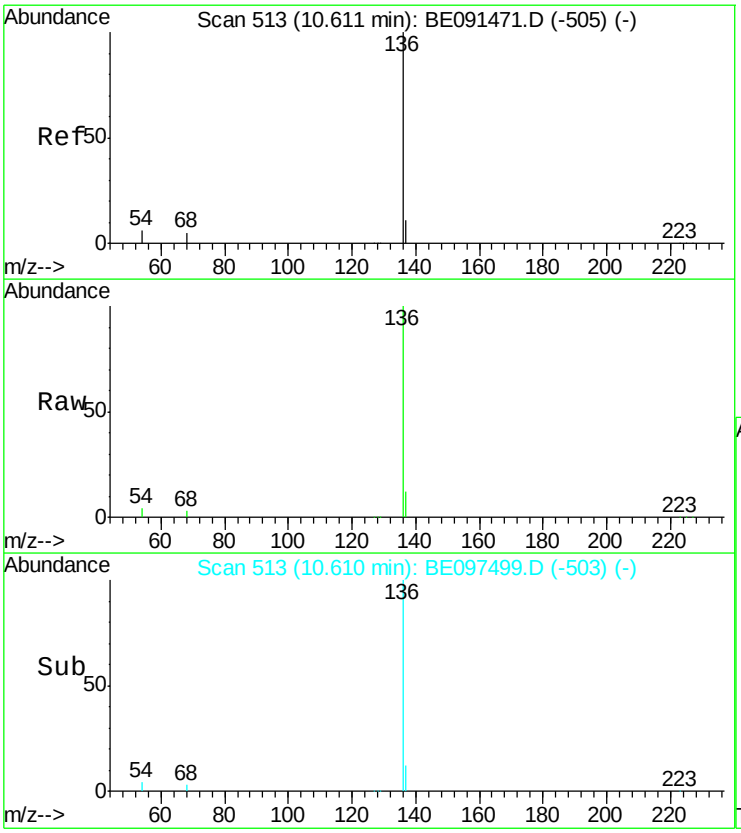
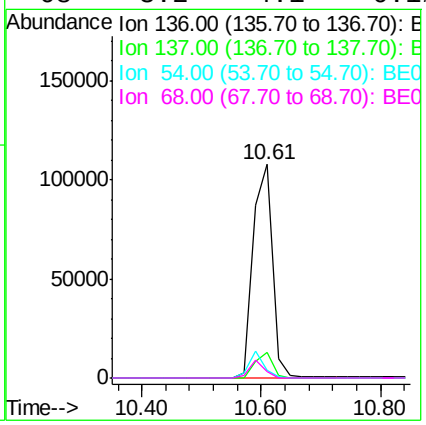
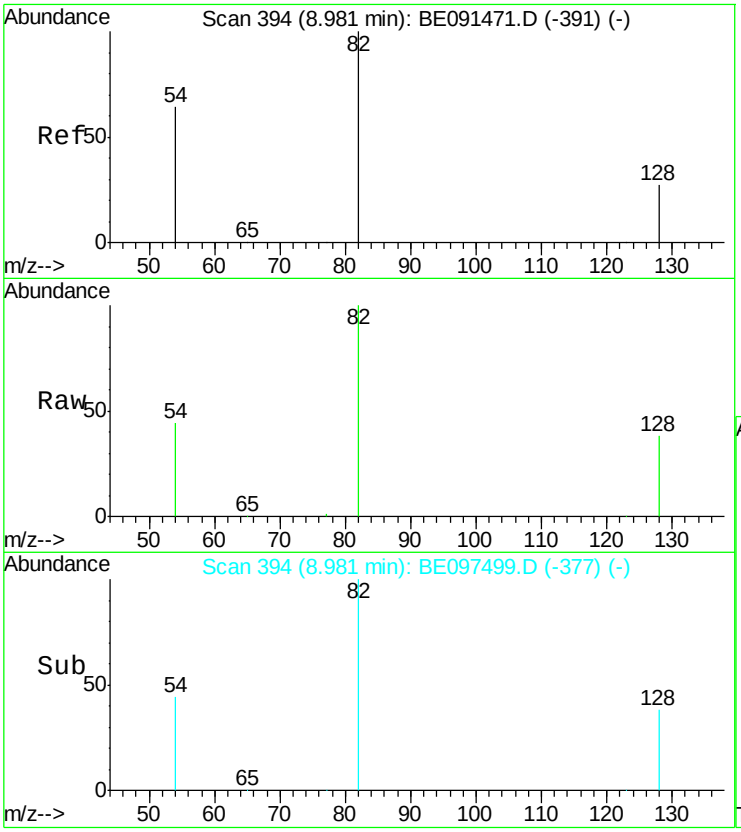


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:136 Resp: 244202

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	3.9	5.2	7.8#
68	3.2	4.1	6.1#





#7
Nitrobenzene-d5
Concen: 3.25 ng
RT: 8.98 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion: 82 Resp: 42344

Ion	Ratio	Lower	Upper
82	100		
128	38.4	23.5	35.3#
54	44.5	52.4	78.6#

Instrument :
BNA_E
ClientSampleId :

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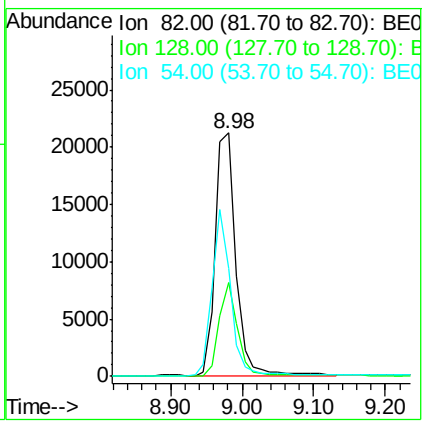
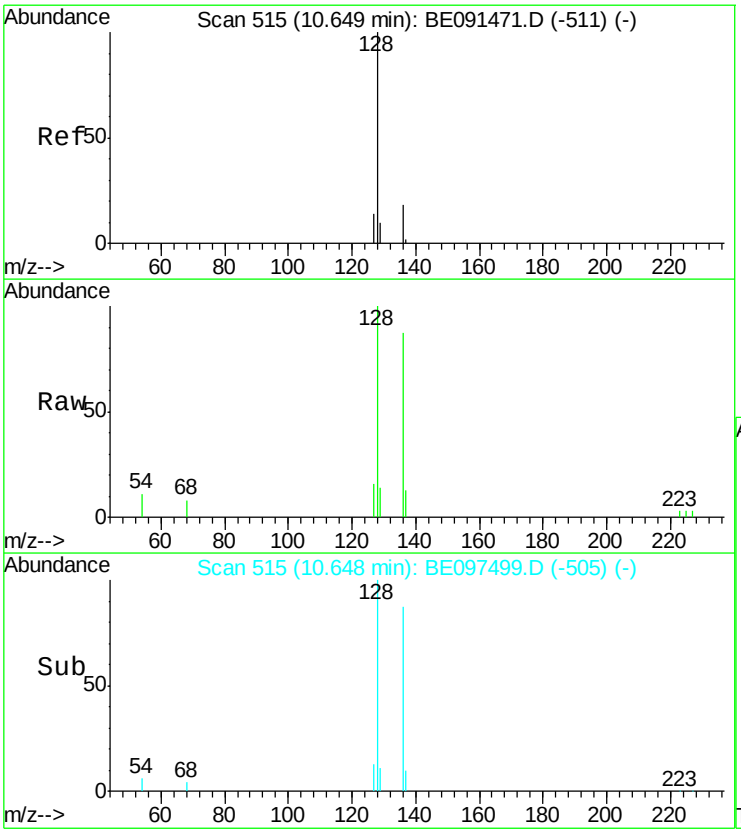
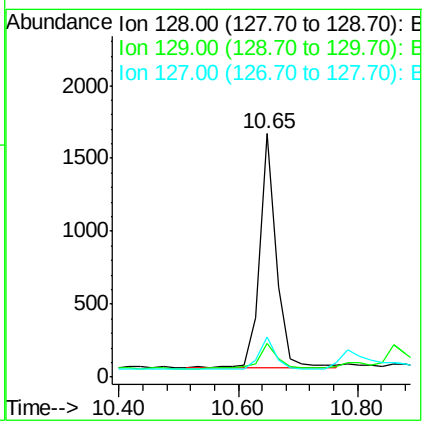


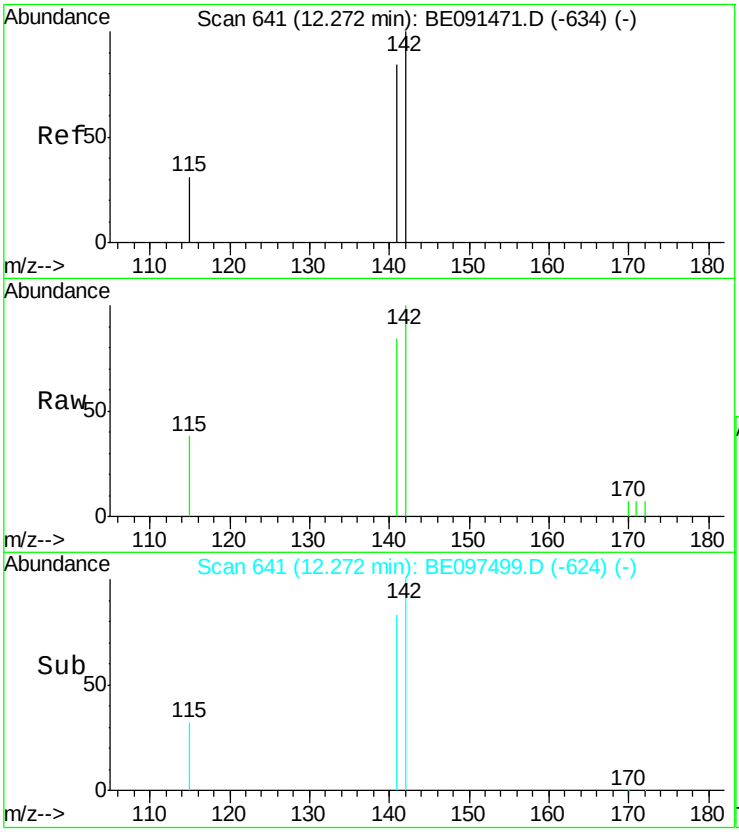


#8
Naphthalene
Concen: 0.05 ng
RT: 10.65 min Scan# 515
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:128 Resp: 3061

Ion	Ratio	Lower	Upper
128	100		
129	14.1	8.2	12.2#
127	16.3	11.8	17.8

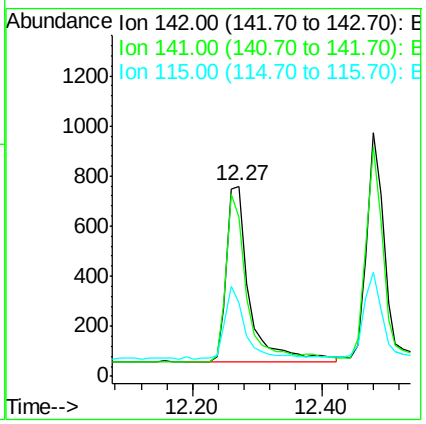




#9
2-Methylnaphthalene
Concen: 0.04 ng
RT: 12.27 min Scan# 641
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:142 Resp: 1717

Ion	Ratio	Lower	Upper
142	100		
141	83.9	66.9	100.3
115	38.5	25.1	37.7#



Instrument :
BNA_E
ClientSampleId :

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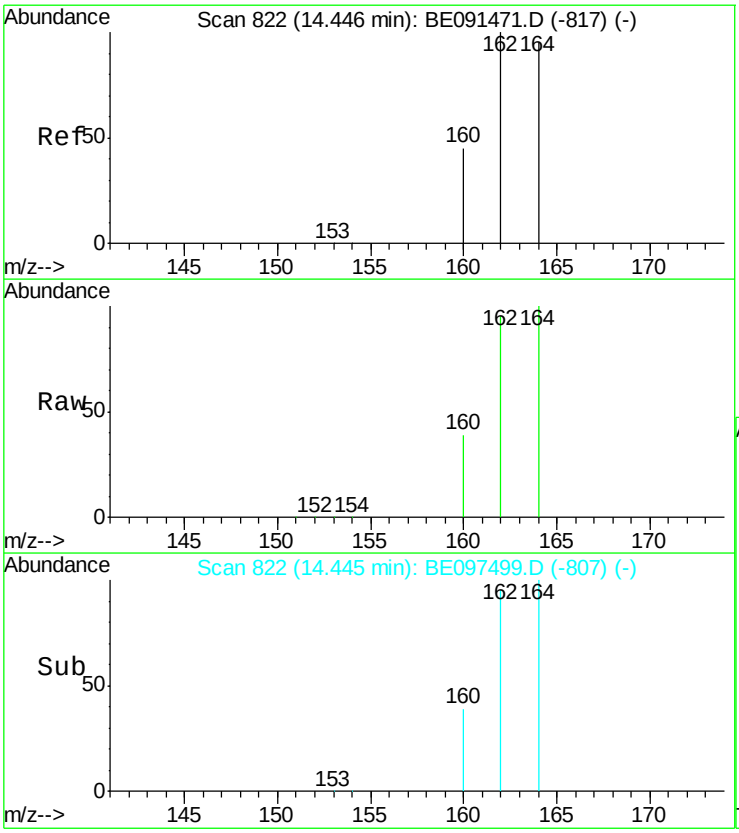
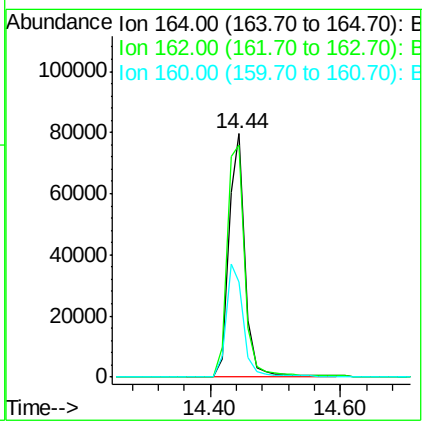
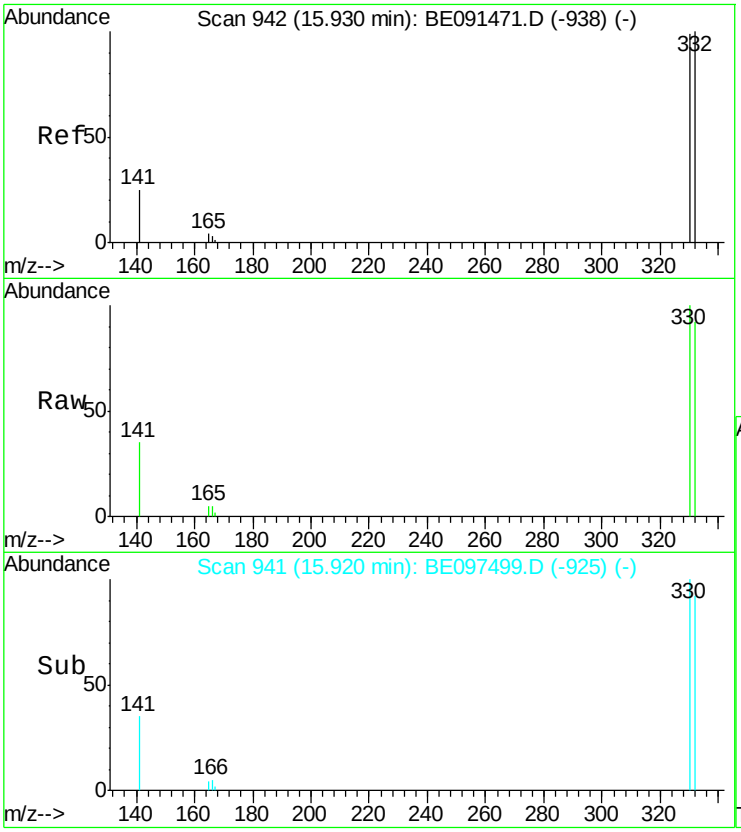


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.44 min Scan# 822
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:164 Resp: 140928

Ion	Ratio	Lower	Upper
164	100		
162	95.4	84.4	126.6
160	39.0	37.7	56.5

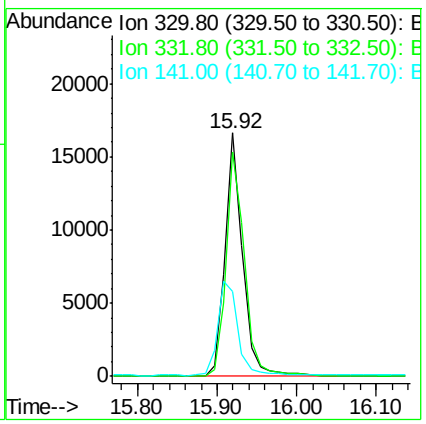




#11
2,4,6-Tribromophenol
Concen: 5.80 ng
RT: 15.92 min Scan# 941
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:330 Resp: 29790

Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.2	118.8
141	45.4	28.1	42.1#



Instrument :
BNA_E
ClientSampleId :

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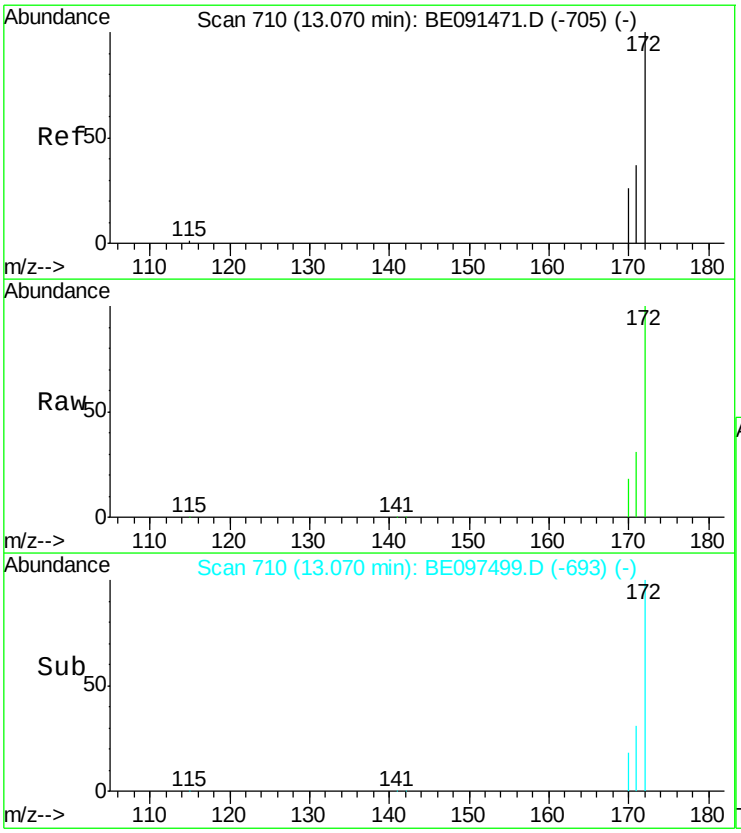
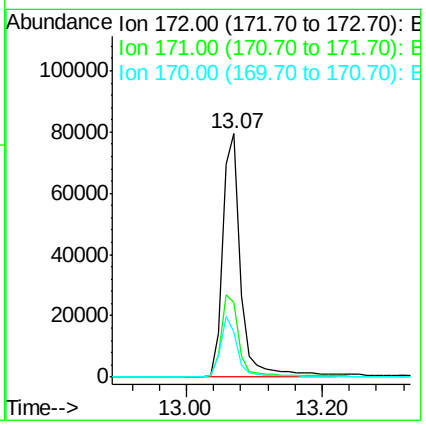
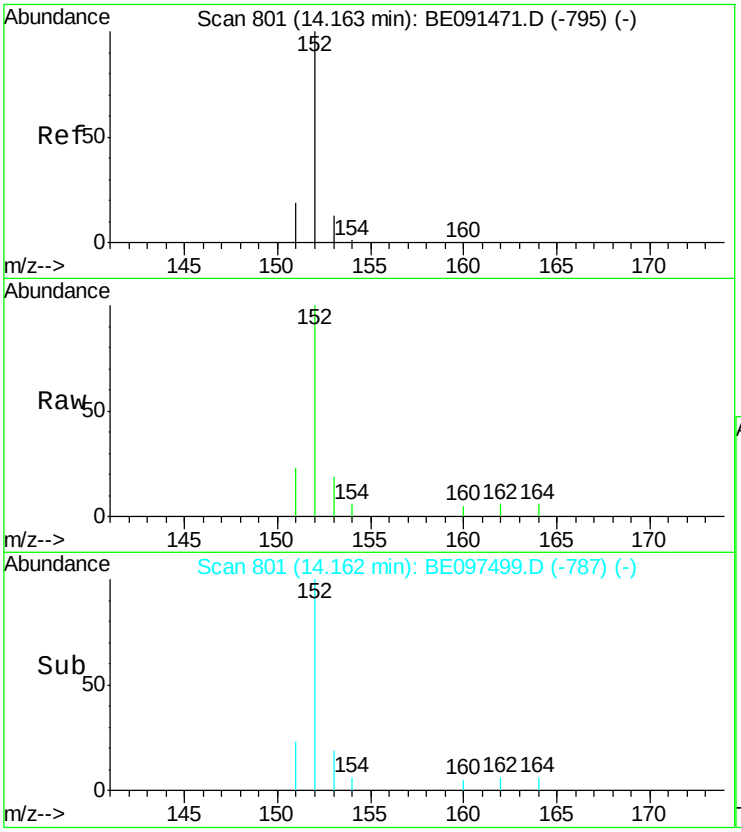


#12
2-Fluorobiphenyl
Concen: 4.22 ng
RT: 13.07 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:172 Resp: 149631

Ion	Ratio	Lower	Upper
172	100		
171	30.6	29.8	44.8
170	18.5	21.4	32.2#

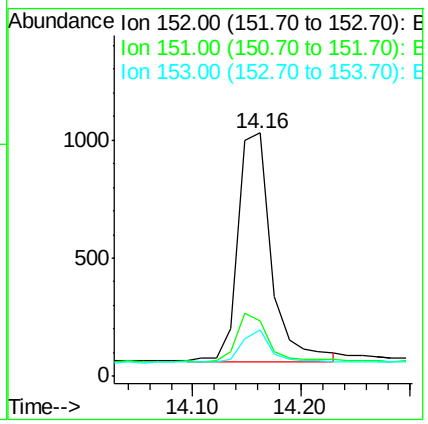




#13
Acenaphthylene
Concen: 0.16 ng m
RT: 14.16 min Scan# 801
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:152 Resp: 2077

Ion	Ratio	Lower	Upper
152	100		
151	32.4	16.3	24.5#
153	22.8	11.1	16.7#



Instrument :
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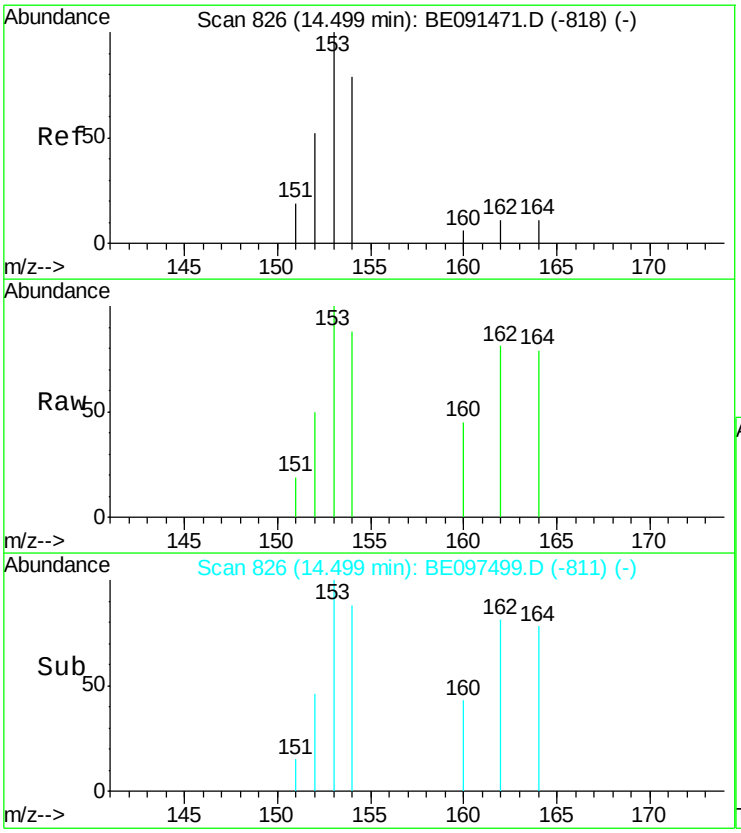
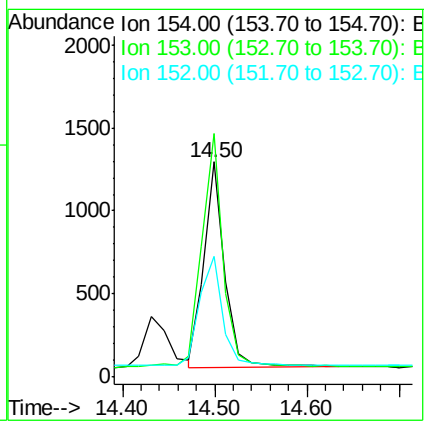
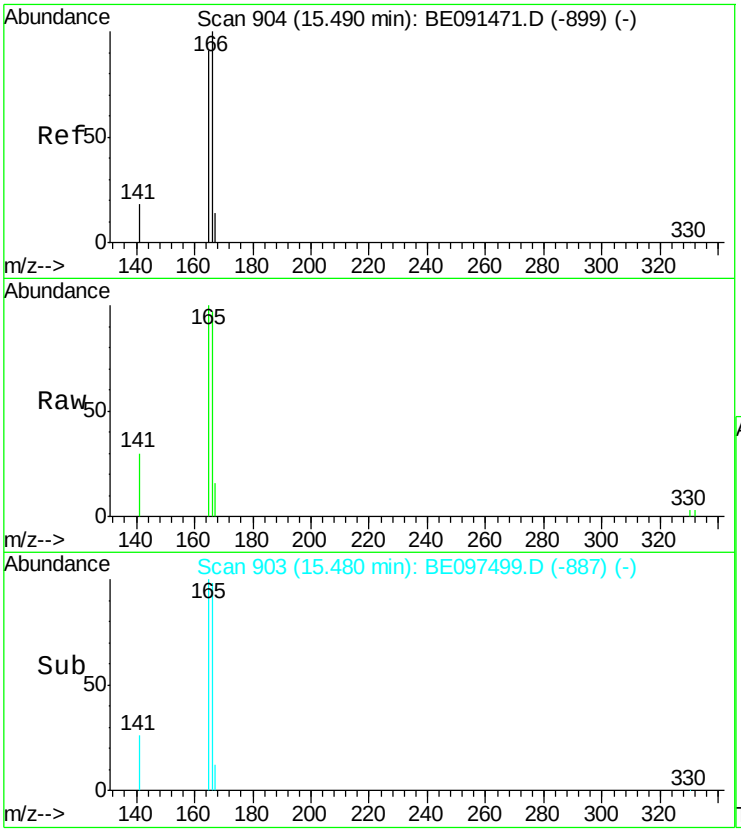


#14
Acenaphthene
Concen: 0.04 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:154 Resp: 1952

Ion	Ratio	Lower	Upper
154	100		
153	121.2	87.3	130.9
152	59.3	42.9	64.3

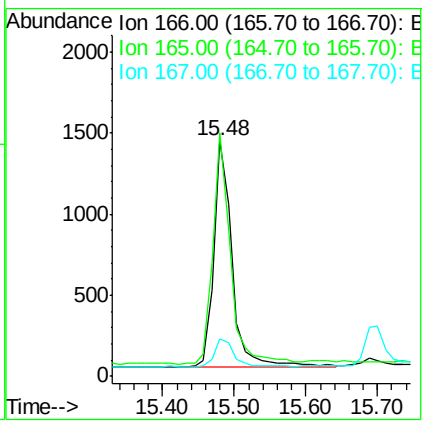




#15
Fluorene
Concen: 0.04 ng
RT: 15.48 min Scan# 903
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:166 Resp: 2462

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.2	118.8
167	13.2	10.8	16.2



Instrument :
BNA_E
ClientSampleId :

Manual Integrations APPROVED
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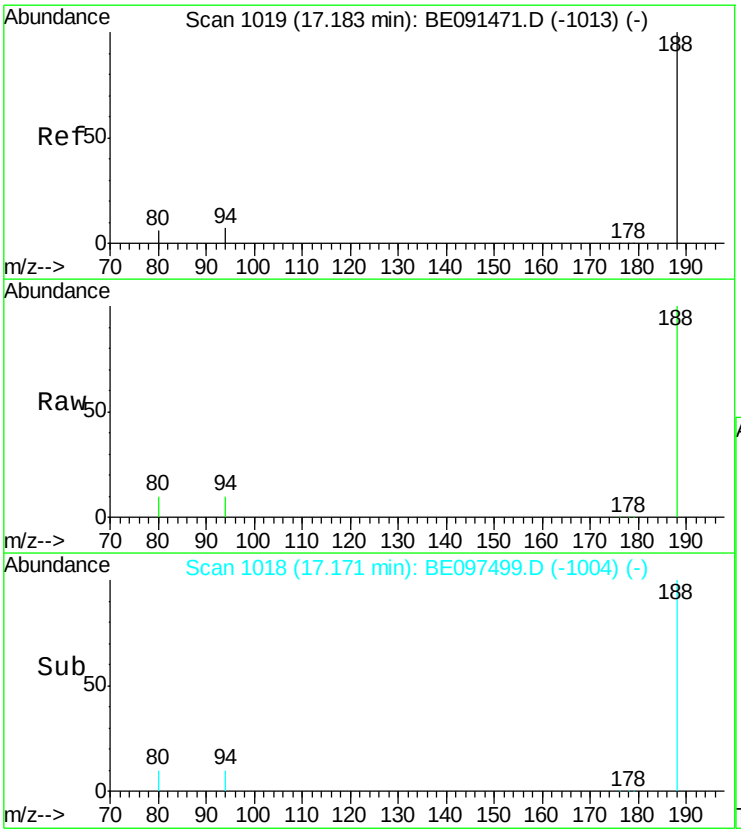
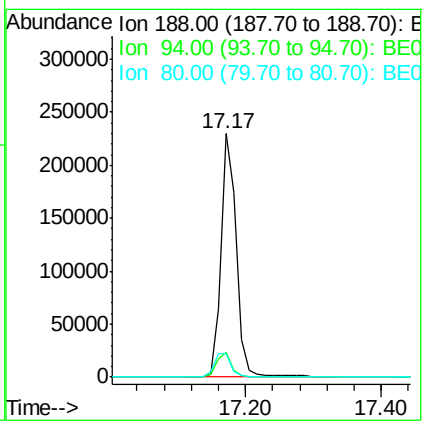
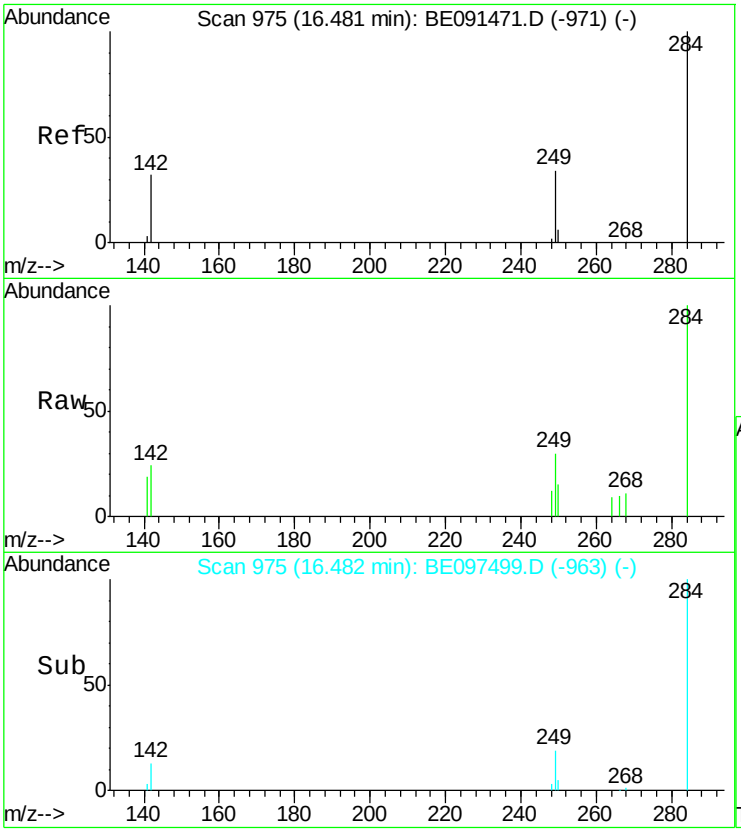


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:188 Resp: 366455

Ion	Ratio	Lower	Upper
188	100		
94	10.0	5.4	8.2#
80	9.9	5.0	7.4#

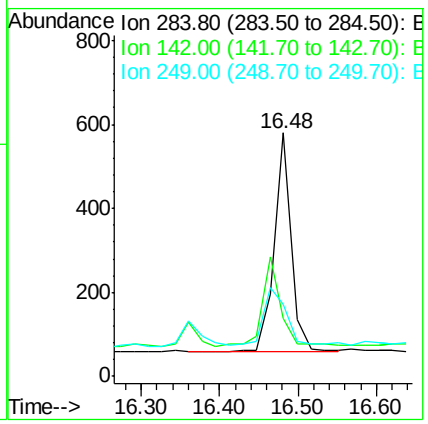




#17
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:284 Resp: 792

Ion	Ratio	Lower	Upper
284	100		
142	45.7	31.0	46.4
249	37.0	25.8	38.8



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ClientSampleId :

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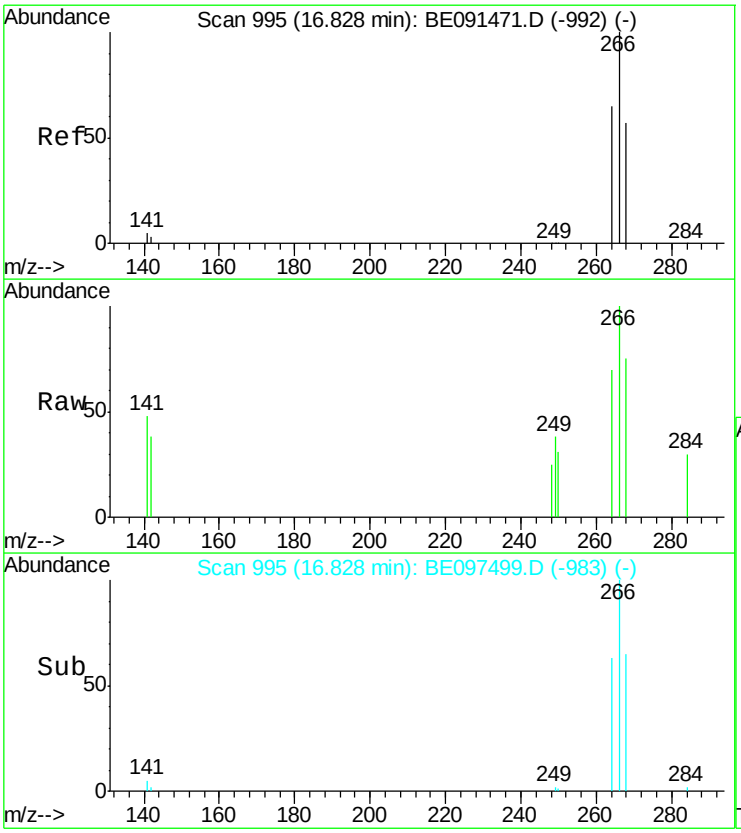
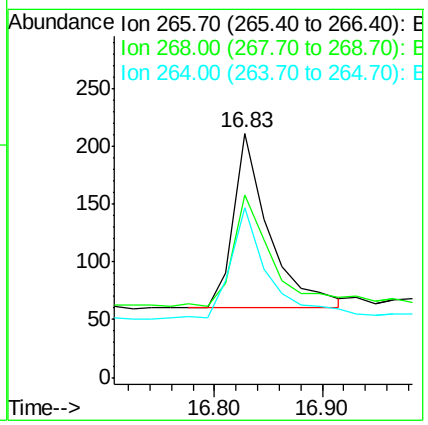
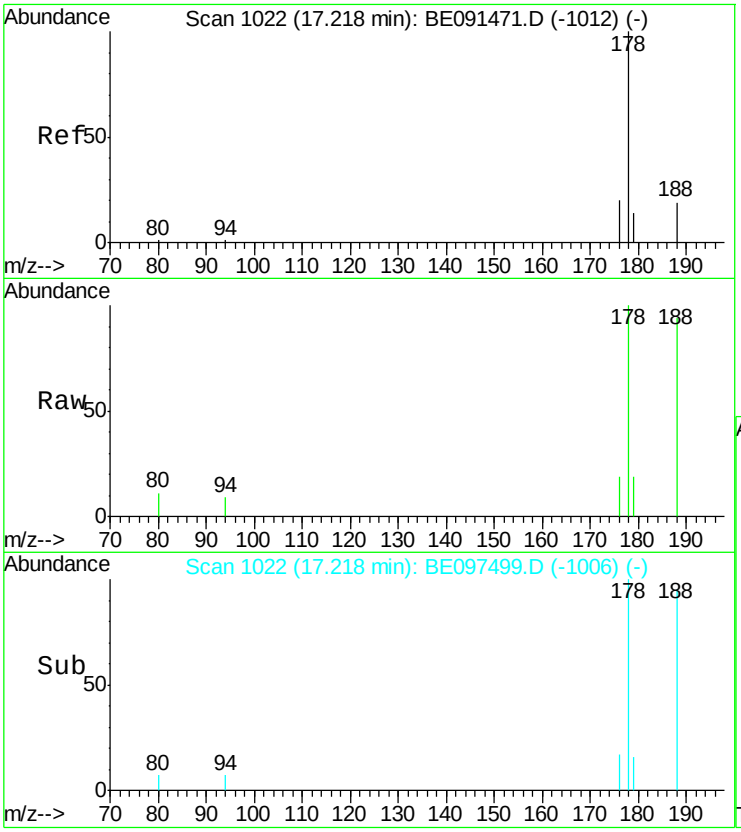


#18
Pentachlorophenol
Concen: 0.24 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:266 Resp: 346

Ion	Ratio	Lower	Upper
266	100		
268	74.9	48.2	72.2#
264	69.7	52.1	78.1





#19
Phenanthrene
Concen: 0.05 ng m
RT: 17.22 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

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ClientSampleId :

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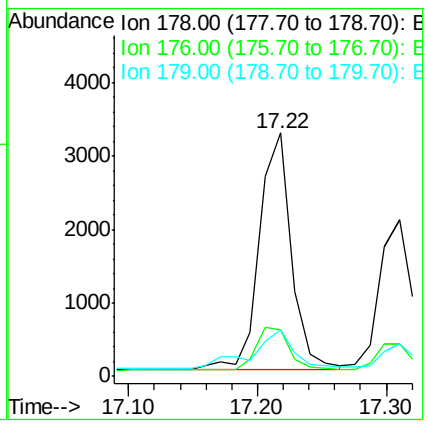
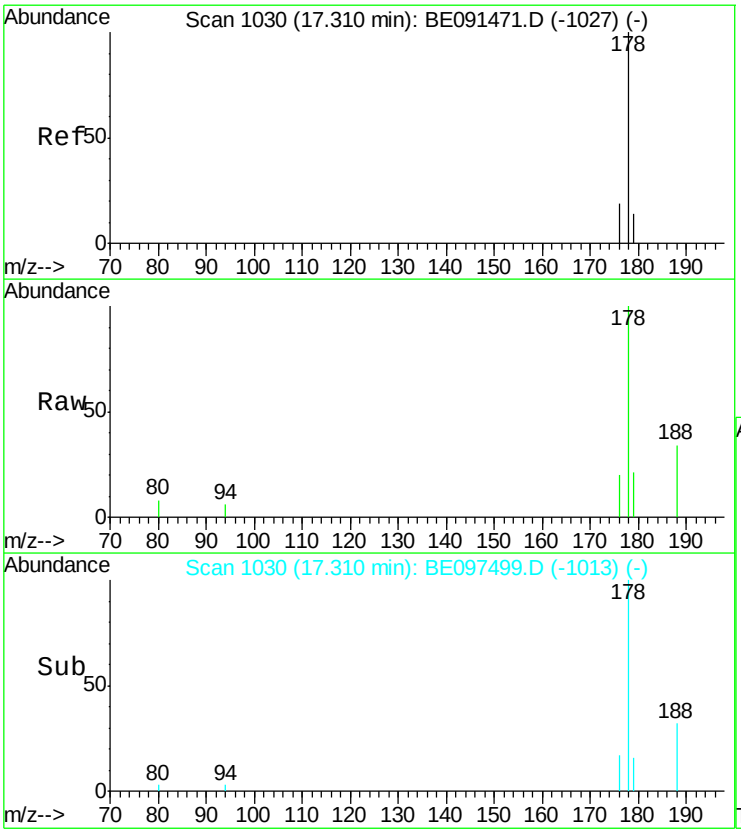
Tgt Ion:178 Resp: 5566

Ion	Ratio	Lower	Upper
178	100		
176	11.7	15.5	23.3#
179	9.5	13.1	19.7#

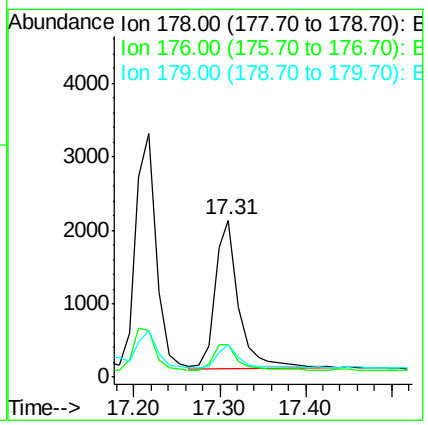


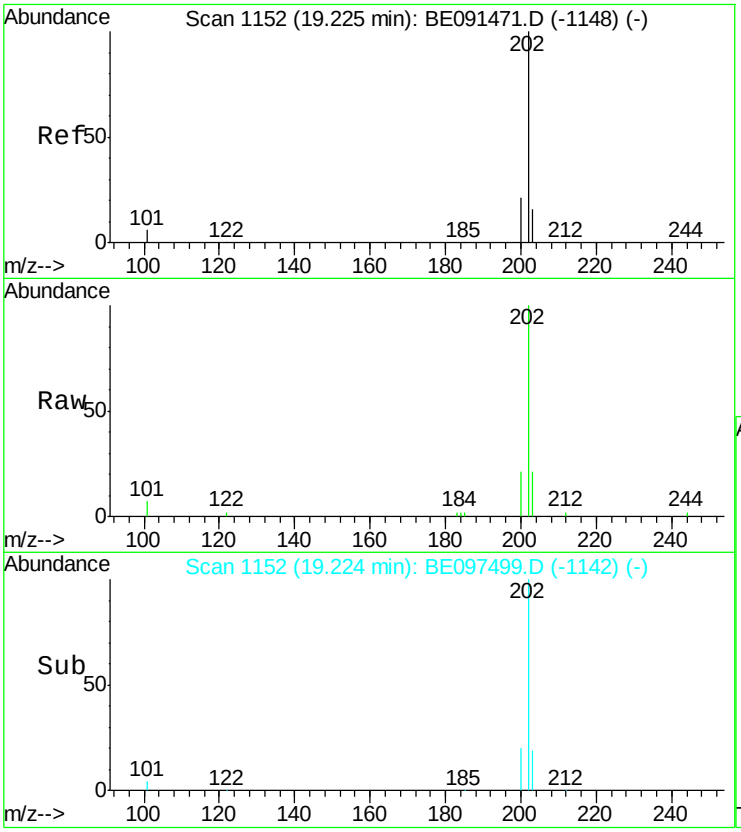


#20
Anthracene
Concen: 0.04 ng
RT: 17.31 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:178 Resp: 3914

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	16.0	12.2	18.4

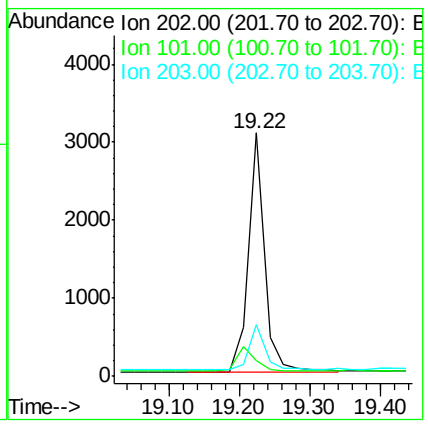




#21
Fluoranthene
Concen: 0.04 ng
RT: 19.22 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:202 Resp: 4996

Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.3	12.5
203	19.2	13.9	20.9



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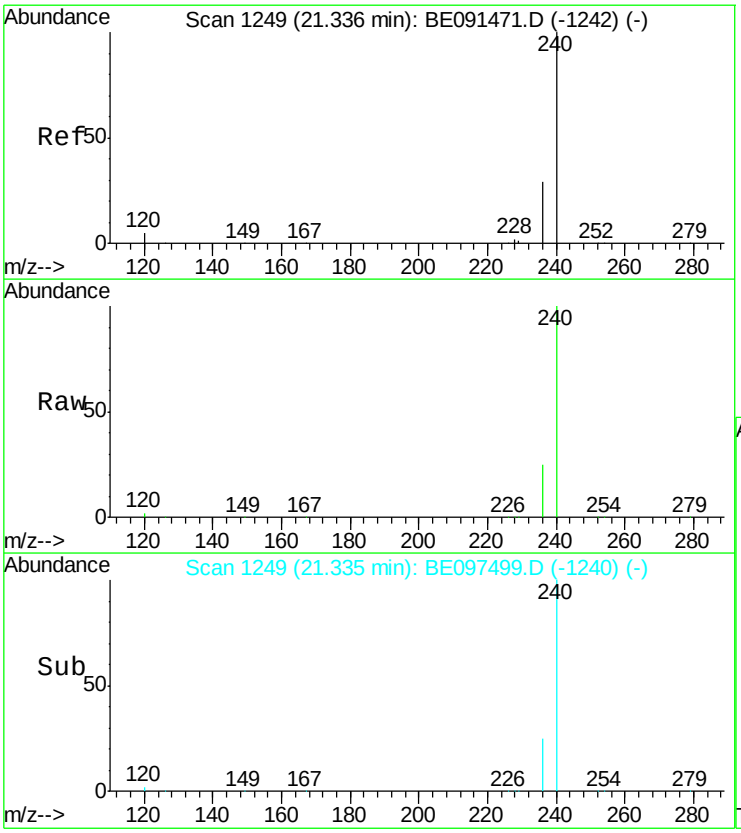
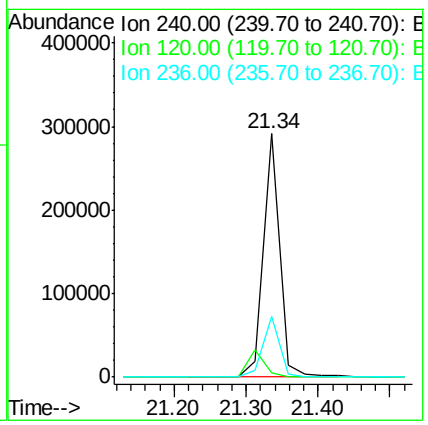
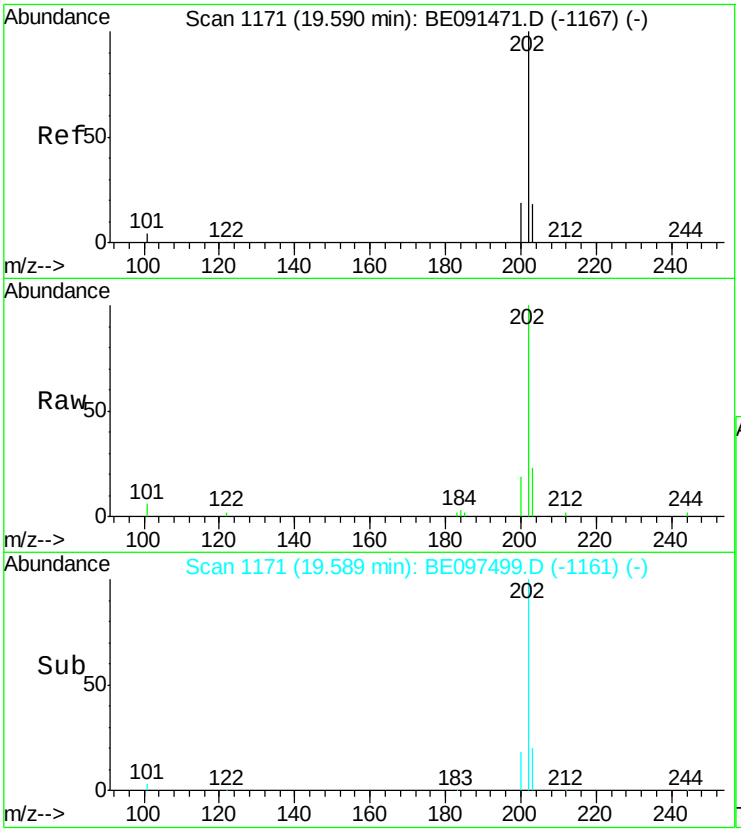


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:240 Resp: 459845

Ion	Ratio	Lower	Upper
240	100		
120	2.0	4.0	6.0#
236	25.0	23.0	34.4

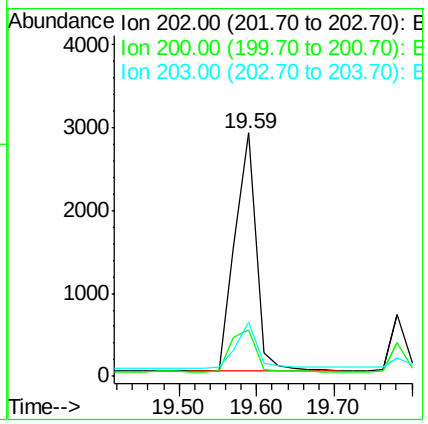




#23
Pyrene
Concen: 0.05 ng
RT: 19.59 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:202 Resp: 5503

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	19.6	14.6	21.8



Instrument :
BNA_E
ClientSampleId :

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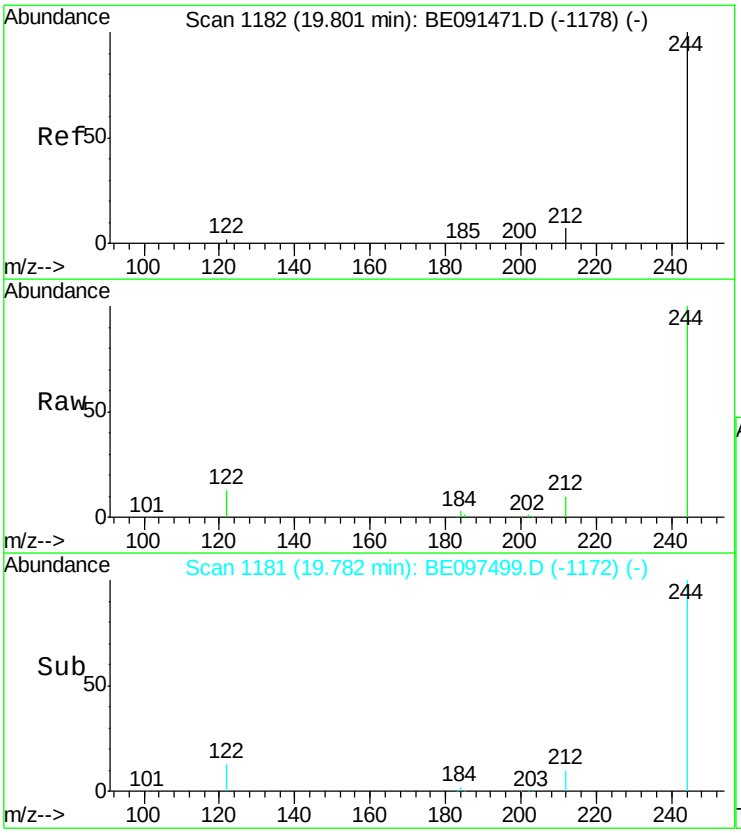
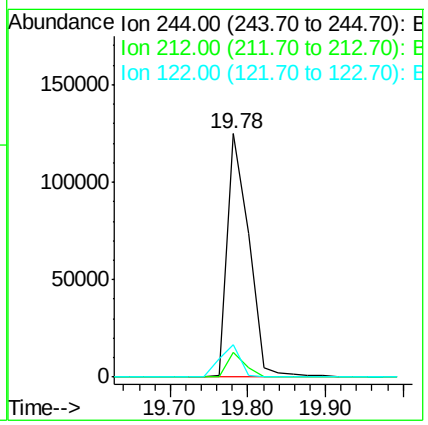
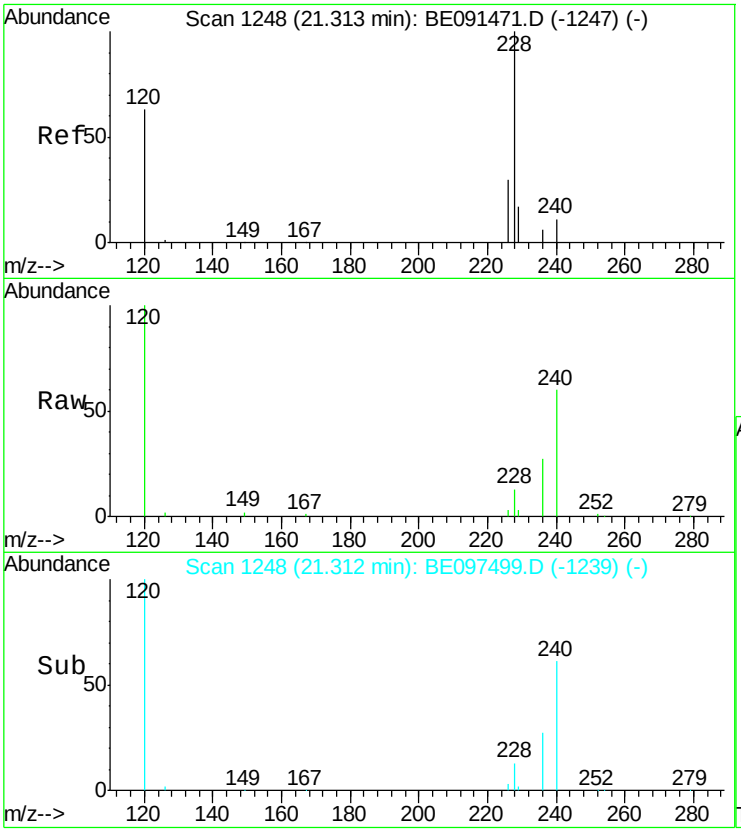


#24
Terphenyl-d14
Concen: 4.35 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:244 Resp: 240525

Ion	Ratio	Lower	Upper
244	100		
212	10.1	5.8	8.8#
122	13.3	1.8	2.8#

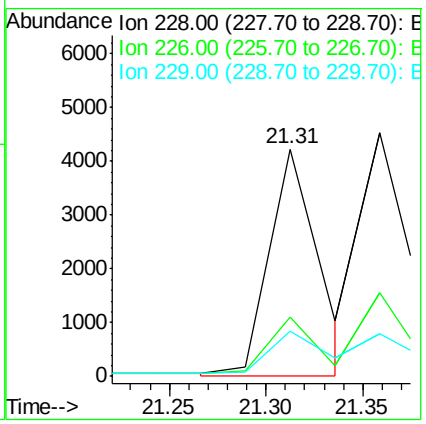




#25
Benzo(a)anthracene
Concen: 0.06 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:228 Resp: 7522

Ion	Ratio	Lower	Upper
228	100		
226	25.8	24.0	36.0
229	20.1	13.8	20.6



Instrument :
BNA_E
ClientSampleId :

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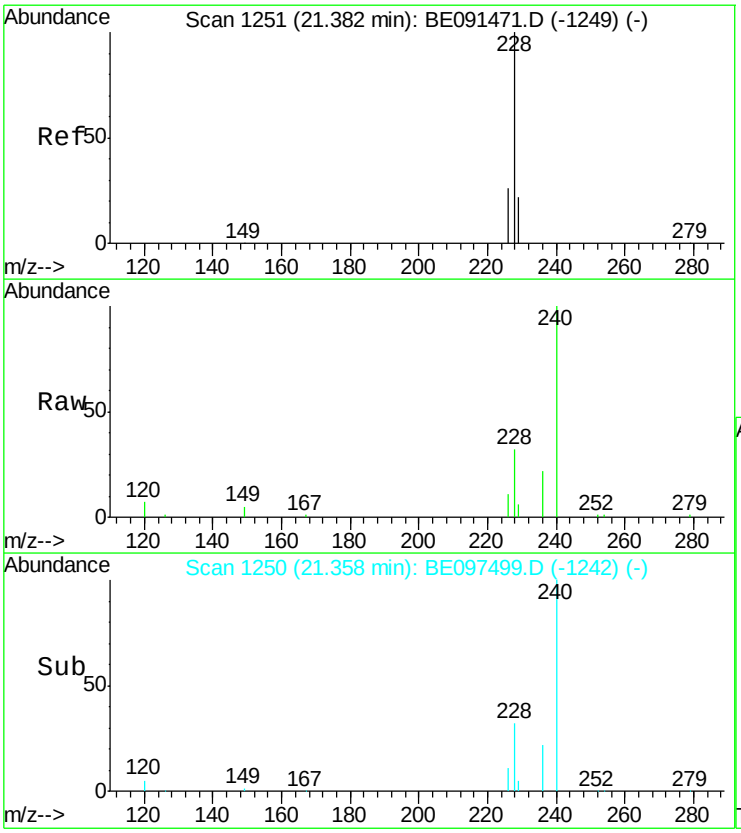
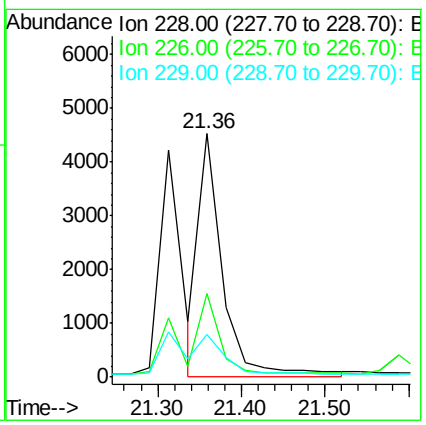
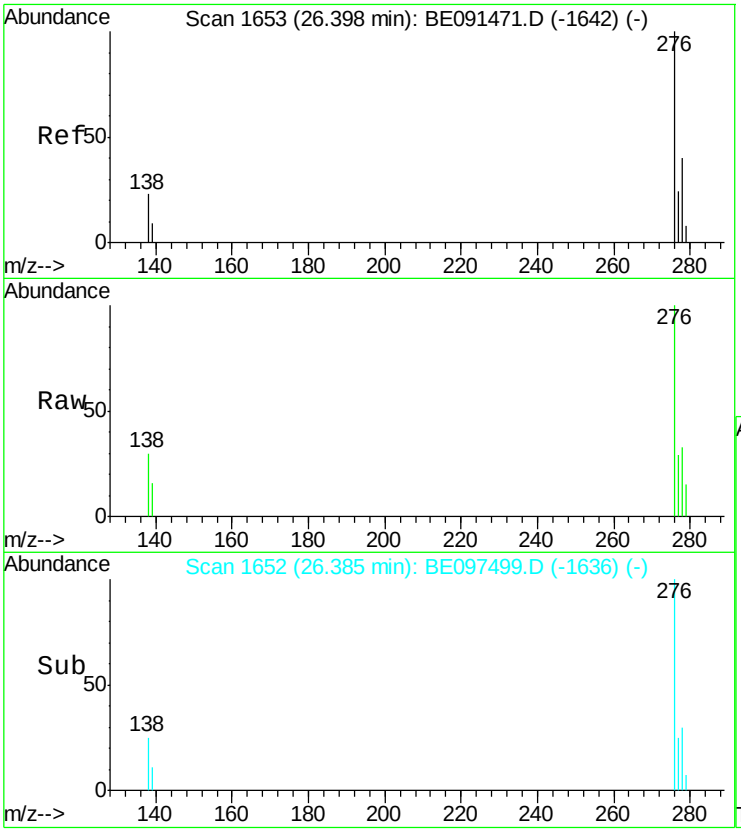


#26
Chrysene
Concen: 0.07 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:228 Resp: 9300

Ion	Ratio	Lower	Upper
228	100		
226	34.1	18.9	28.3#
229	17.4	19.1	28.7#

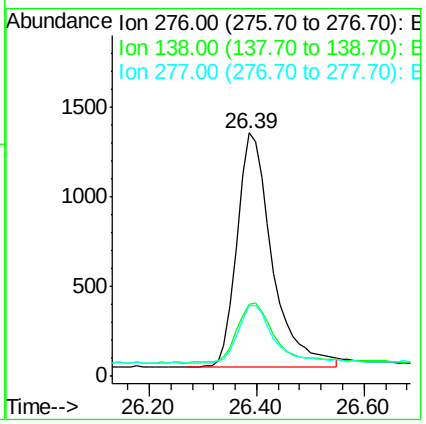




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 26.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:276 Resp: 5872

Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.2	30.4
277	25.3	19.8	29.8



Instrument :
BNA_E
ClientSampleId :

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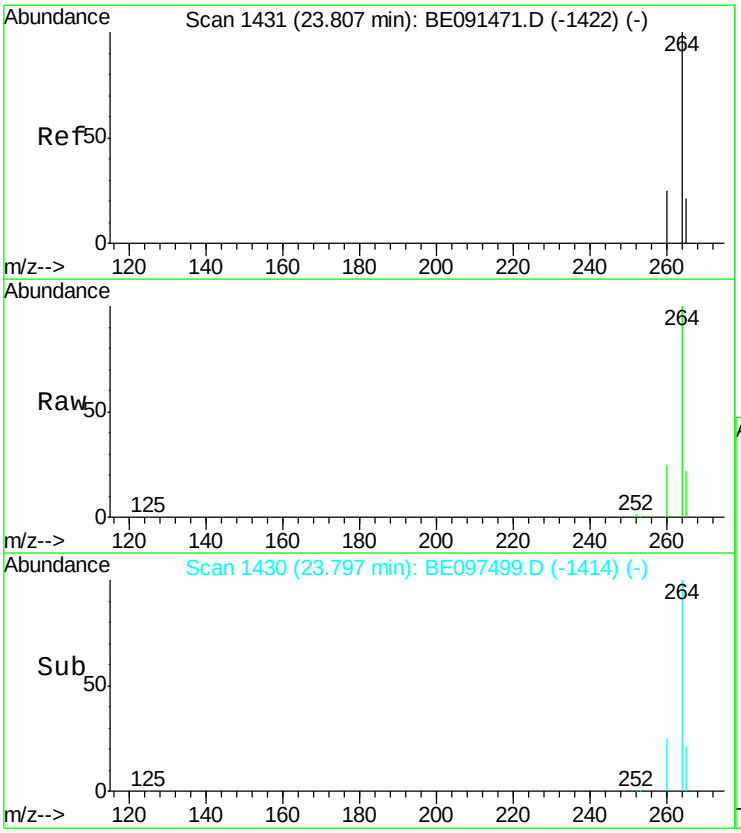
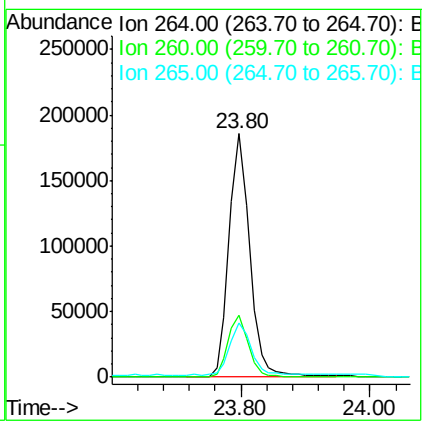
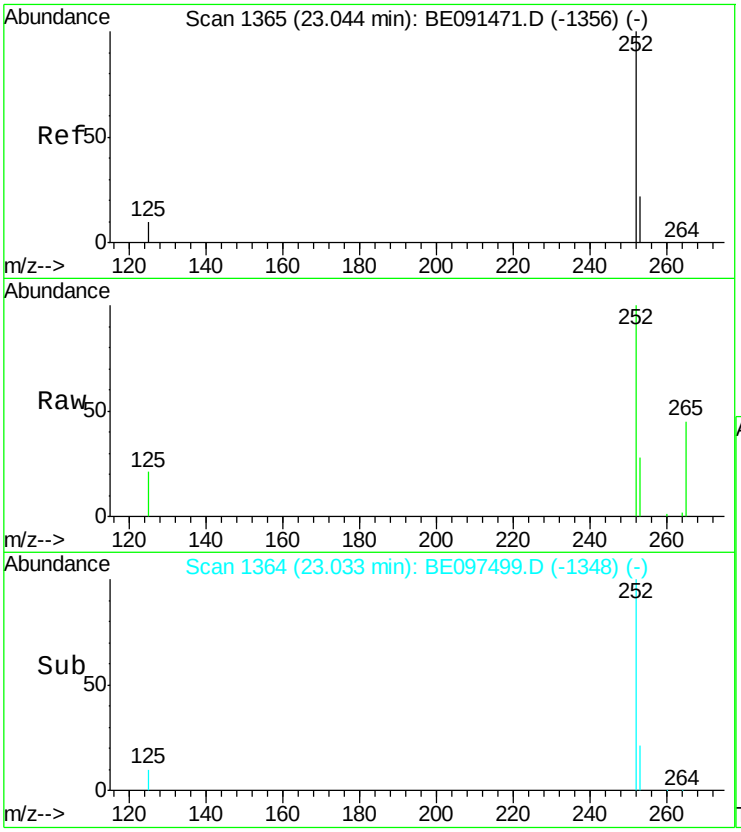


#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:264 Resp: 414704

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	22.2	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 0.06 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:252 Resp: 7974

Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.7	28.1#
125	21.2	9.8	14.6#

Instrument :
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ClientSampleId :

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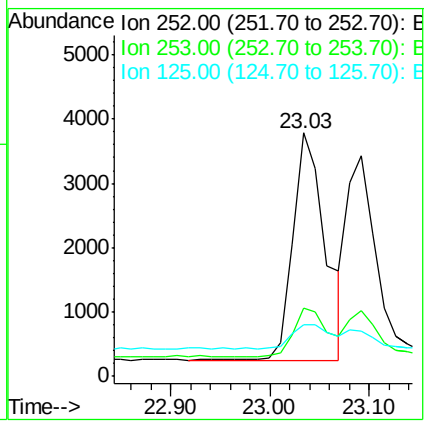
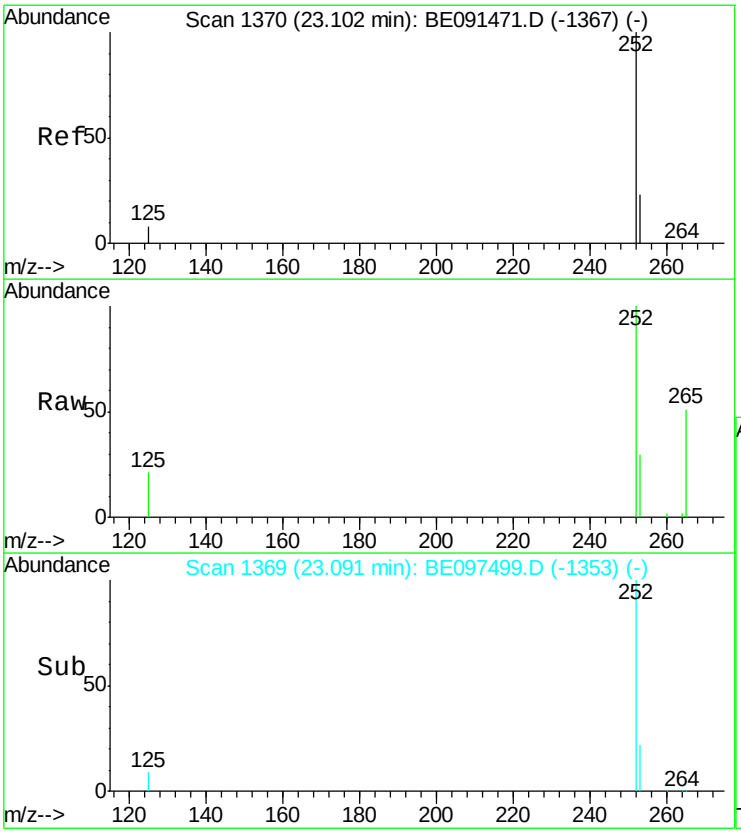
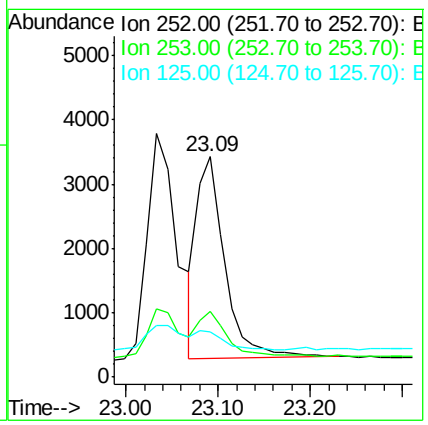


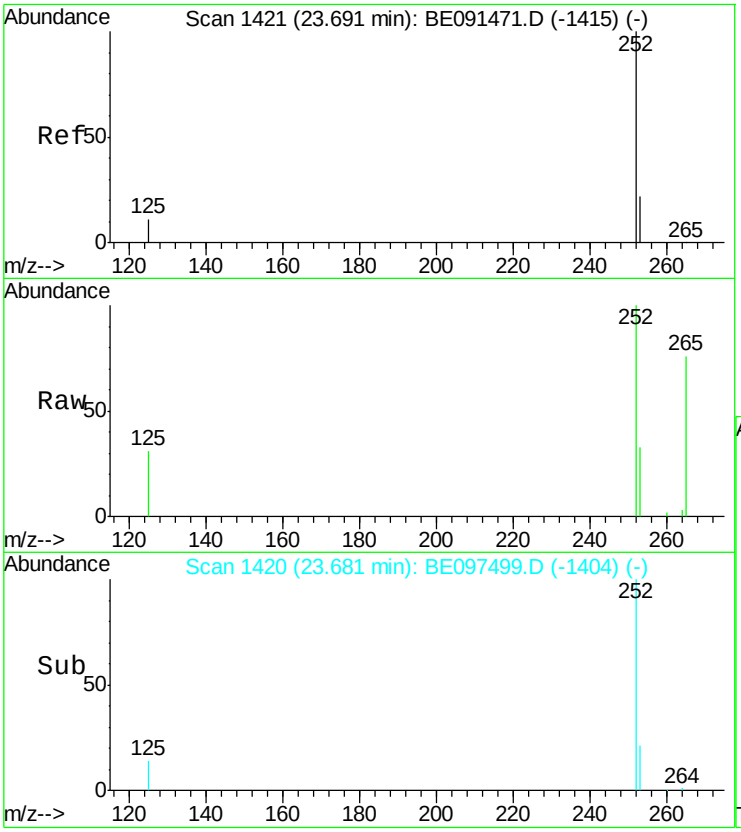


#30
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:252 Resp: 6601

Ion	Ratio	Lower	Upper
252	100		
253	29.9	20.2	30.4
125	20.6	9.4	14.2#

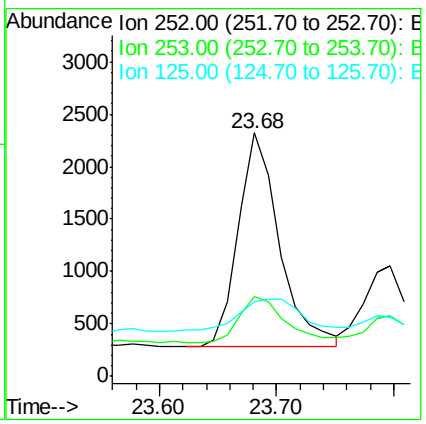




#31
Benzo(a)pyrene
Concen: 0.04 ng
RT: 23.68 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:252 Resp: 5027

Ion	Ratio	Lower	Upper
252	100		
253	32.5	19.4	29.0#
125	30.8	11.4	17.2#



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ClientSampleId :

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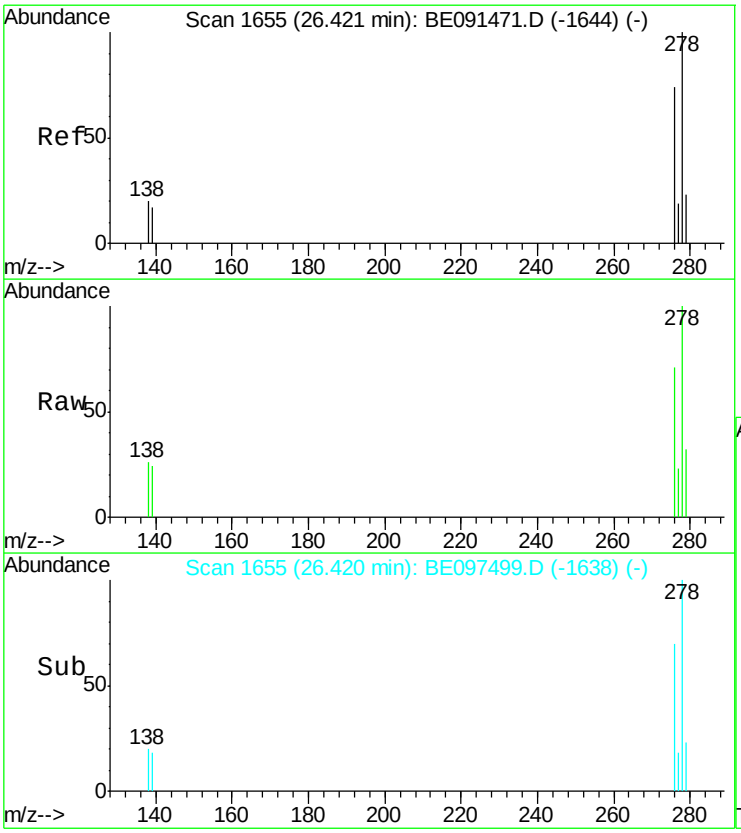
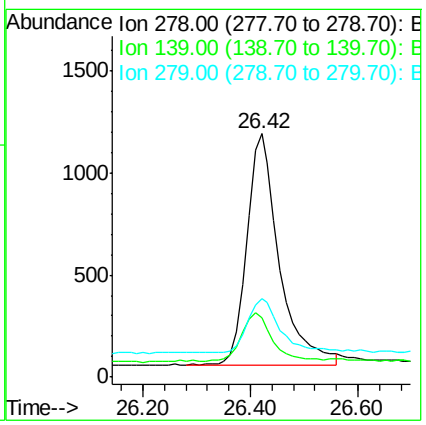
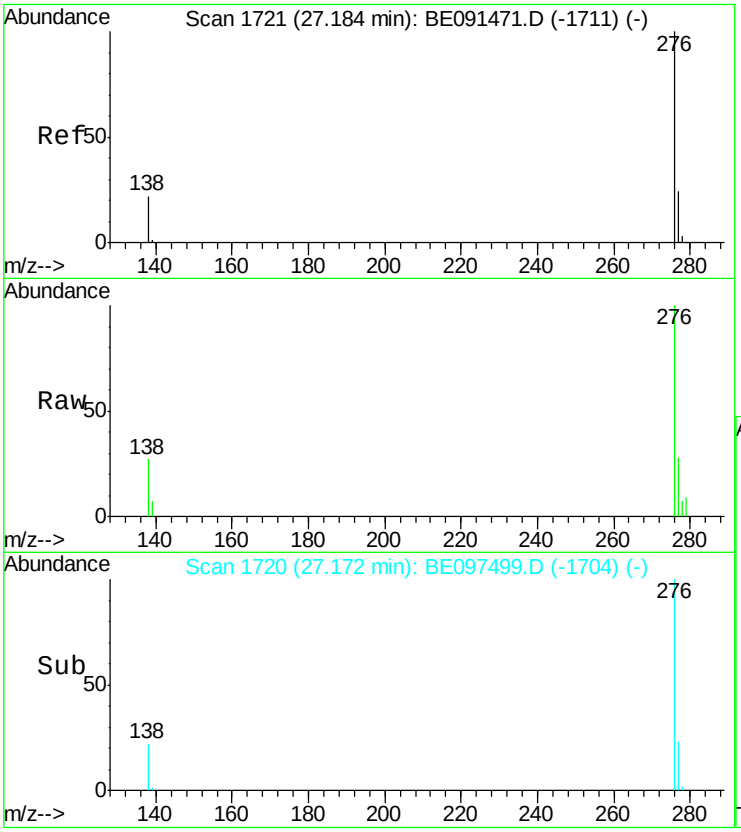


#32
Dibenzo(a,h)anthracene
Concen: 0.04 ng
RT: 26.42 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:278 Resp: 4740

Ion	Ratio	Lower	Upper
278	100		
139	24.2	14.2	21.4#
279	32.4	19.6	29.4#

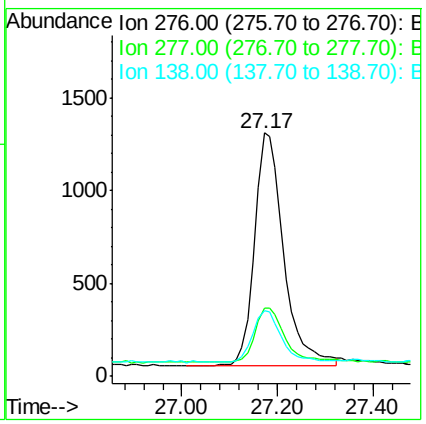




#33
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 27.17 min Scan# 1720
Delta R.T. -0.01 min
Lab File: BE097499.D
Acq: 21 Mar 2016 15:02

Tgt Ion:276 Resp: 5255

Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.4	29.2
138	26.8	18.2	27.4



Instrument :
BNA_E
ClientSampleId :

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