Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
Data File : BE092109.D
Acq On : 2 Aug 2016 13:26
Operator : UM/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Aug 02 14:01:43 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 13:43:25 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	10729	5.00	ng		0.01
6) Naphthalene-d8	10.99	136	49857	5.00	ng		0.00
10) Acenaphthene-d10	14.85	164	28215	5.00	ng		0.00
16) Phenanthrene-d10	17.58	188	61895	5.00	ng		0.00
22) Chrysene-d12	21.75	240	77157	5.00	ng		0.00
28) Perylene-d12	24.14	264	78307	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	2038	0.58	ng		0.00
5) Phenol-d6	7.35	99	2610	0.62	ng		0.00
7) Nitrobenzene-d5	9.35	82	2686	0.63	ng		0.00
11) 2,4,6-Tribromophenol	16.33	330	697	0.34	ng		0.00
12) 2-Fluorobiphenyl	13.46	172	6997	0.64	ng		0.00
24) Terphenyl-d14	20.21	244	8727	0.74	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.45	88	1195	0.77	ng		99
3) n-Nitrosodimethylamine	3.79	42	1402	0.71	ng	#	96
8) Naphthalene	11.03	128	8833	0.77	ng		96
9) 2-Methylnaphthalene	12.65	142	5568	0.72	ng		94
13) Acenaphthylene	14.56	152	38793	0.62	ng		98
14) Acenaphthene	14.90	154	6150	0.71	ng	#	96
15) Fluorene	15.88	166	7770	0.60	ng		100
17) Hexachlorobenzene	16.89	284	2466	1.19	ng	#	60
18) Pentachlorophenol	17.24	266	603	1.59	ng		90
19) Phenanthrene	17.60	178	13643	0.82	ng		99
20) Anthracene	17.70	178	12046	0.98	ng		99
21) Fluoranthene	19.63	202	58117	1.20	ng		97
23) Pyrene	19.98	202	61919	0.71	ng		98
25) Benzo(a)anthracene	21.72	228	63736	3.06	ng		91
26) Chrysene	21.77	228	66526	3.62	ng	#	87
27) Indeno(1,2,3-cd)pyrene	26.65	276	70929	0.87	ng		100
29) Benzo(b)fluoranthene	23.40	252	15446	0.71	ng		99
30) Benzo(k)fluoranthene	23.46	252	16872	0.76	ng		99
31) Benzo(a)pyrene	24.02	252	15009	0.74	ng		96
32) Dibenzo(a,h)anthracene	26.67	278	14329	0.76	ng	#	95
33) Benzo(g,h,i)perylene	27.42	276	61744	0.78	ng		95

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
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Acq On : 2 Aug 2016 13:26
Operator : UM/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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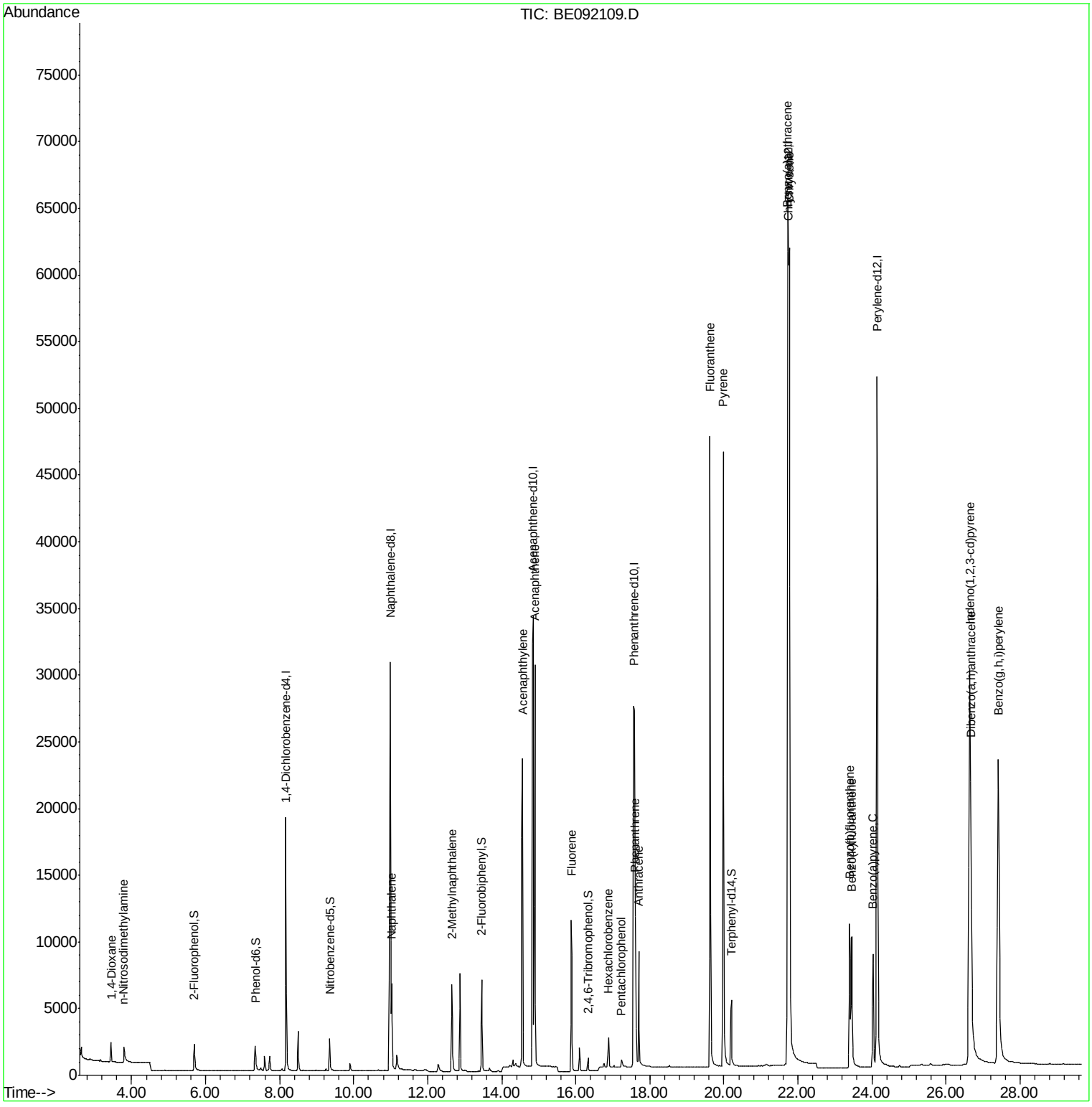
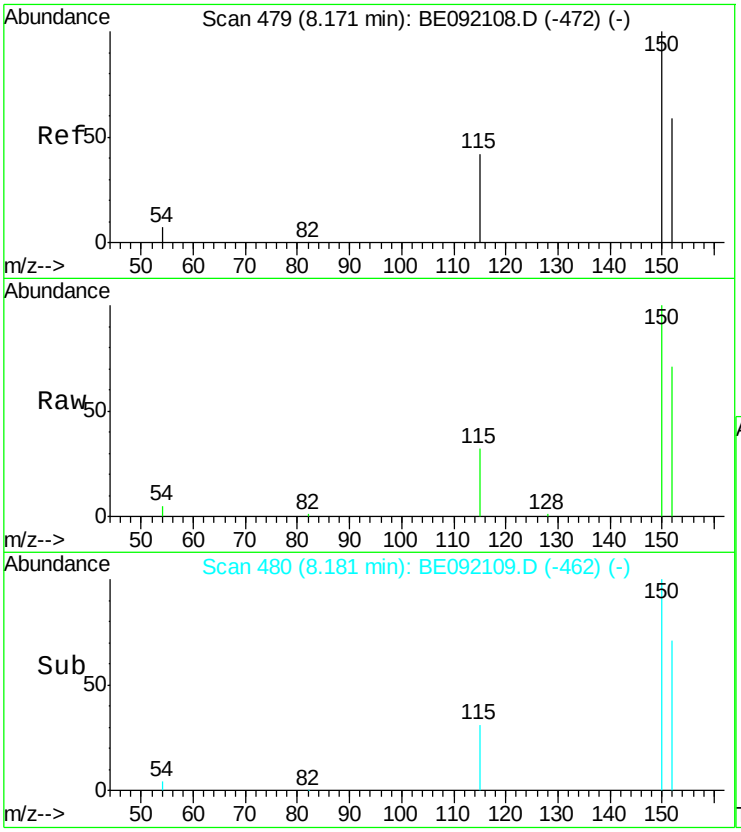
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 13:43:25 2016
Response via : Initial Calibration



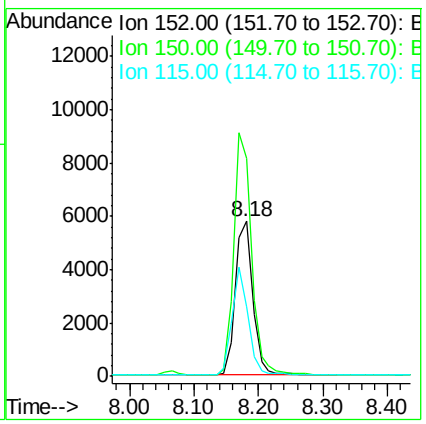


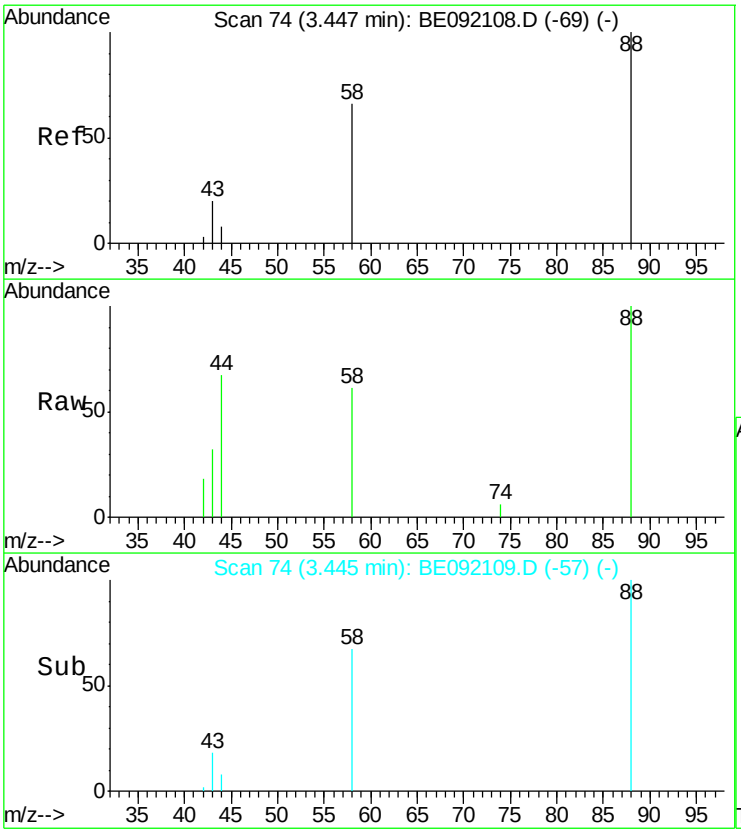
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.18 min Scan# 480
Delta R.T. 0.01 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 10729

Ion	Ratio	Lower	Upper
152	100		
150	140.8	106.0	159.0
115	44.6	36.9	55.3

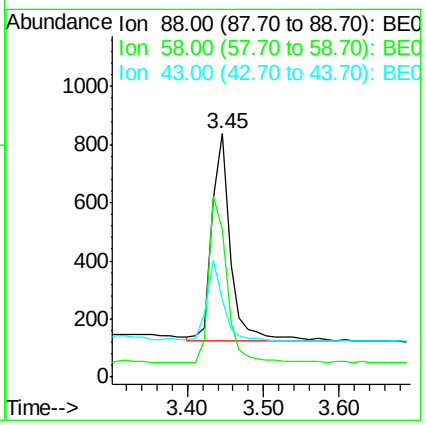


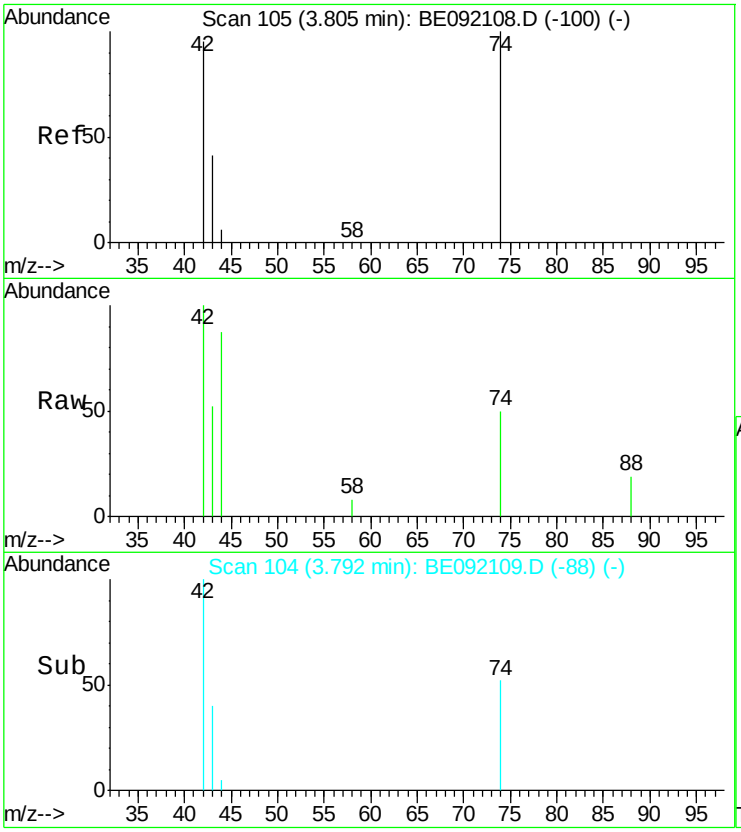


#2
1,4-Dioxane
Concen: 0.77 ng
RT: 3.45 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion: 88 Resp: 1195

Ion	Ratio	Lower	Upper
88	100		
58	77.6	62.1	93.1
43	36.2	27.2	40.8



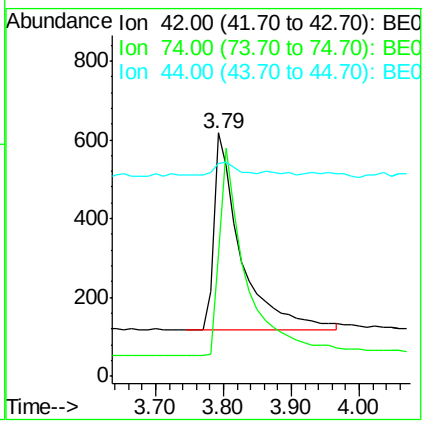


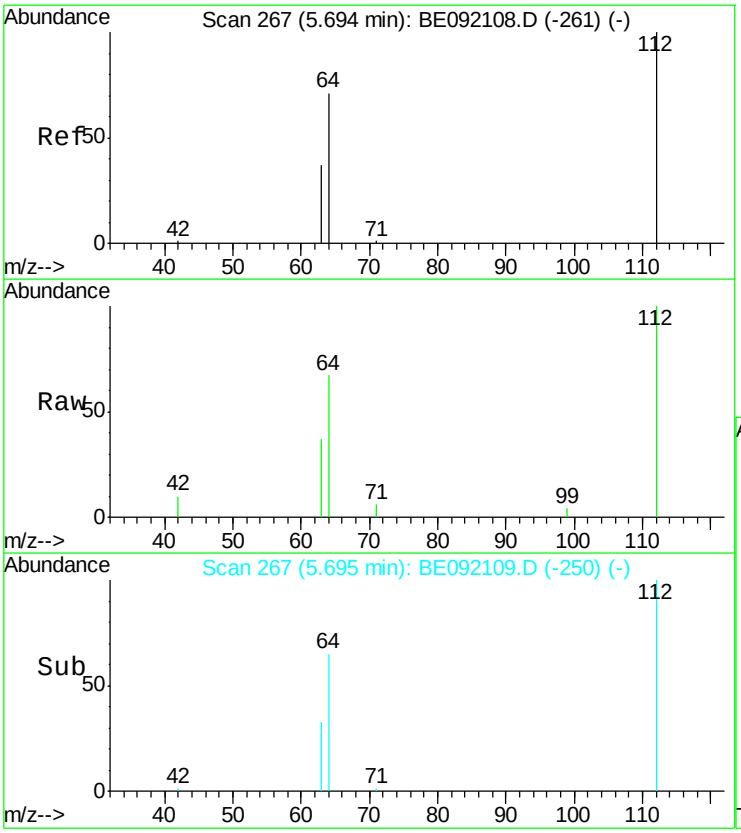
#3
n-Nitrosodimethylamine
Concen: 0.71 ng
RT: 3.79 min Scan# 104
Delta R.T. -0.01 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 1402

Ion	Ratio	Lower	Upper
42	100		
74	105.6	82.8	124.2
44	4.6	9.0	13.4#

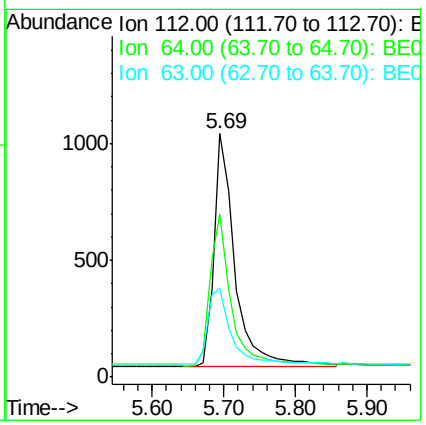


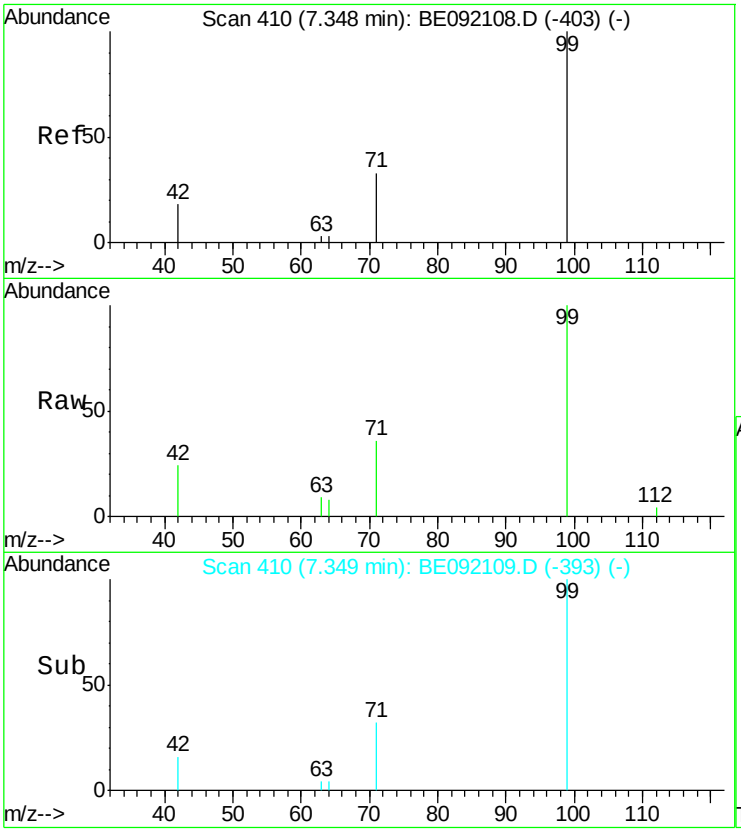


#4
2-Fluorophenol
Concen: 0.58 ng
RT: 5.69 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:112 Resp: 2038

Ion	Ratio	Lower	Upper
112	100		
64	65.9	55.9	83.9
63	35.6	31.1	46.7



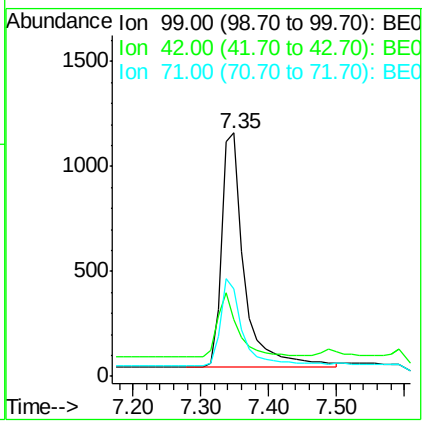


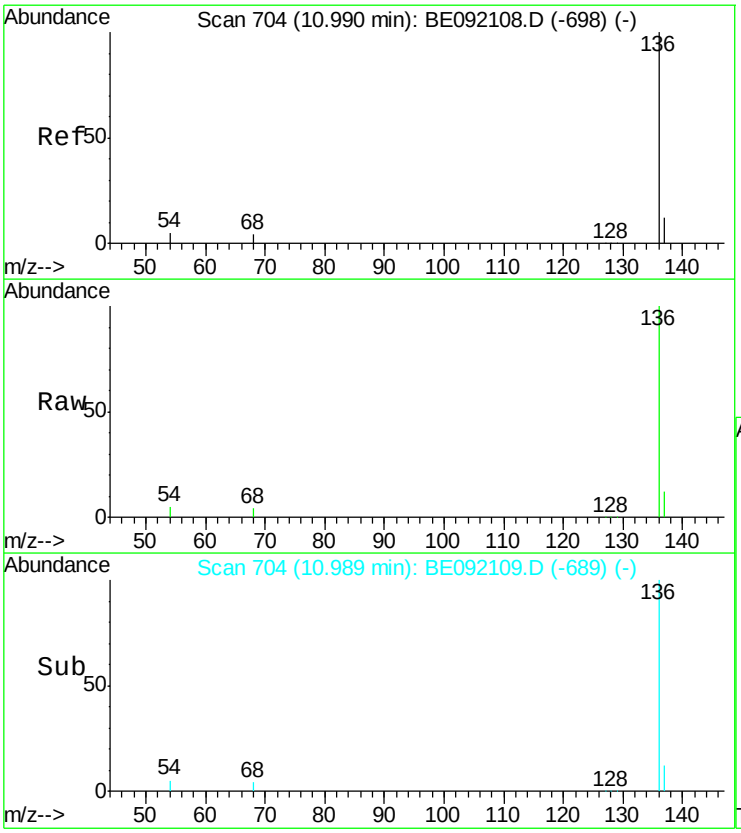
#5
Phenol-d6
Concen: 0.62 ng
RT: 7.35 min Scan# 410
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 2610

Ion	Ratio	Lower	Upper
99	100		
42	25.4	22.4	33.6
71	36.4	28.9	43.3

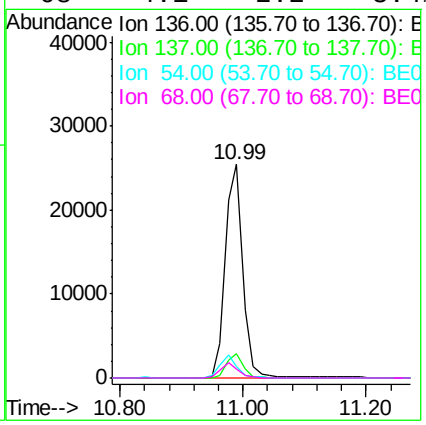


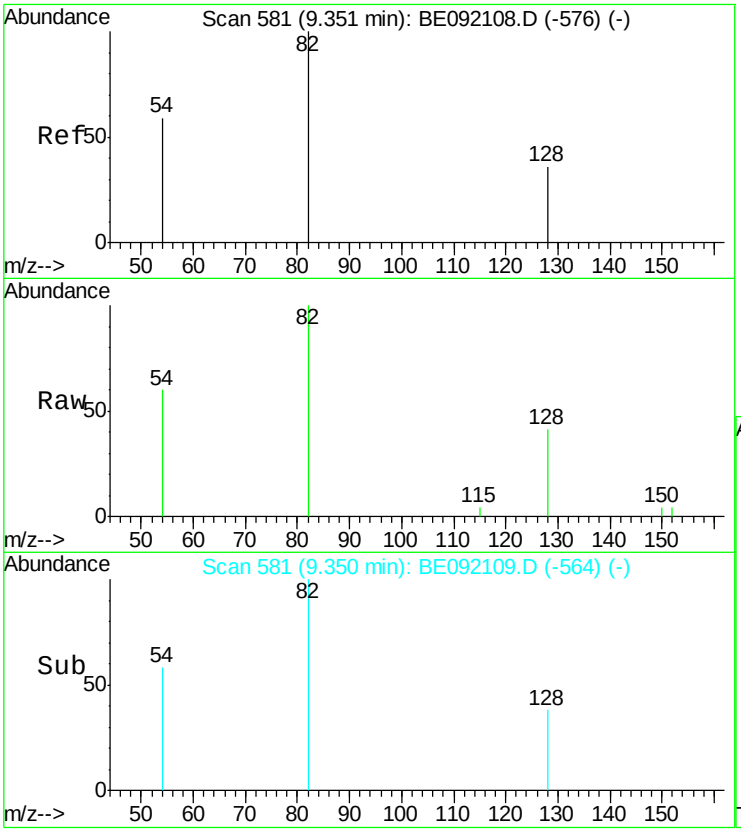


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.99 min Scan# 704
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:136 Resp: 49857

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	5.2	2.7	4.1#
68	4.1	2.2	3.4#



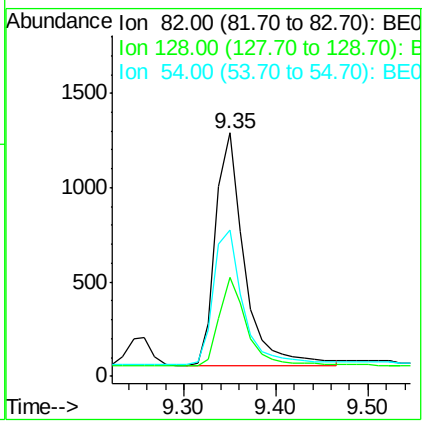


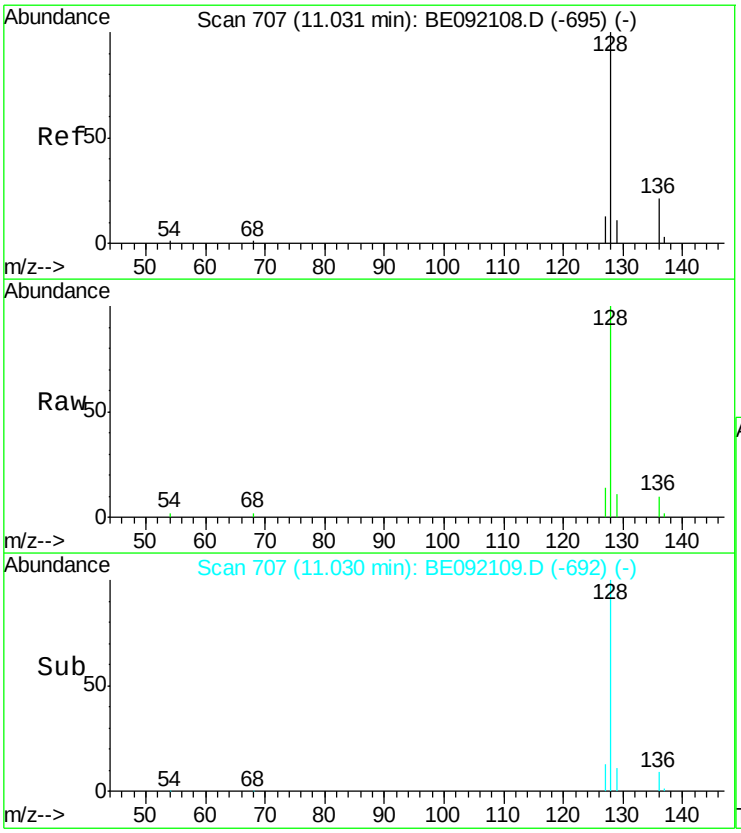
#7
Nitrobenzene-d5
Concen: 0.63 ng
RT: 9.35 min Scan# 581
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 82 Resp: 2686

Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.0	49.4
54	59.9	42.6	63.8

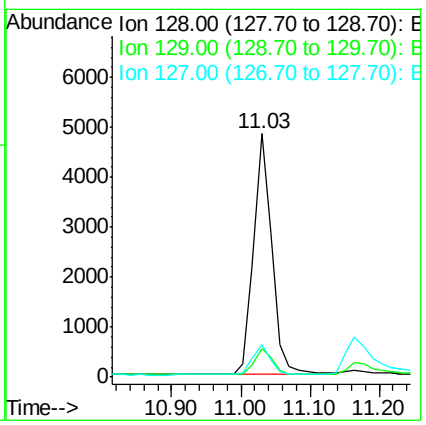


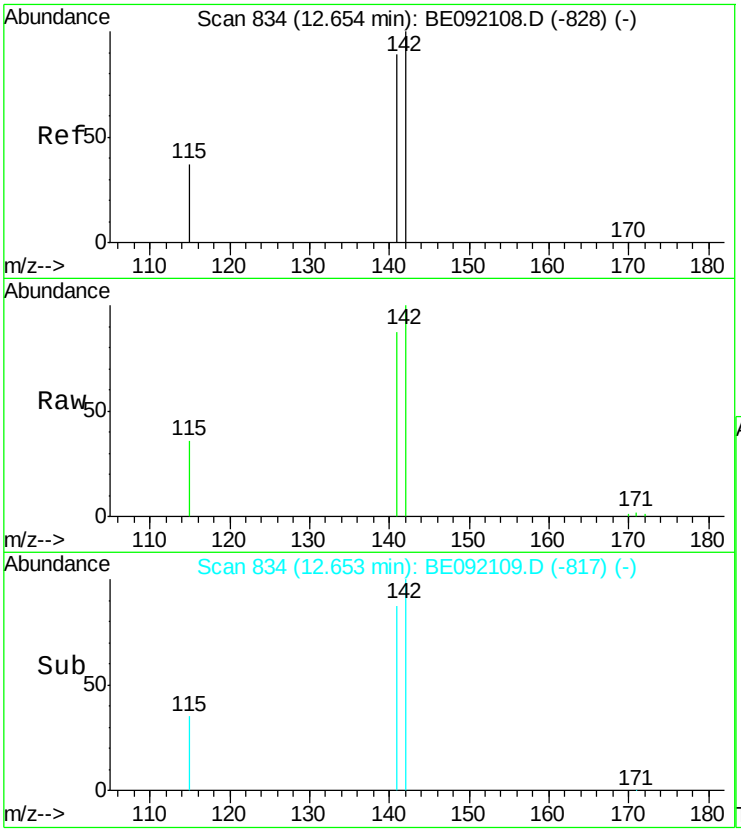


#8
Naphthalene
Concen: 0.77 ng
RT: 11.03 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:128 Resp: 8833

Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.1	16.7
127	13.5	11.3	16.9



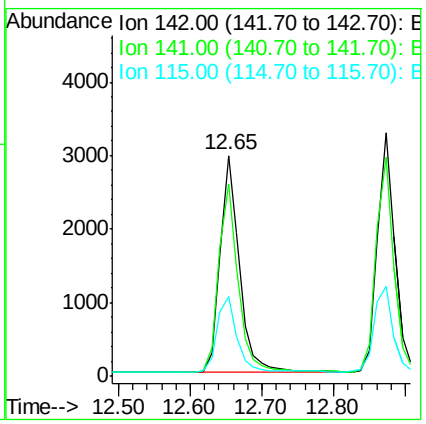


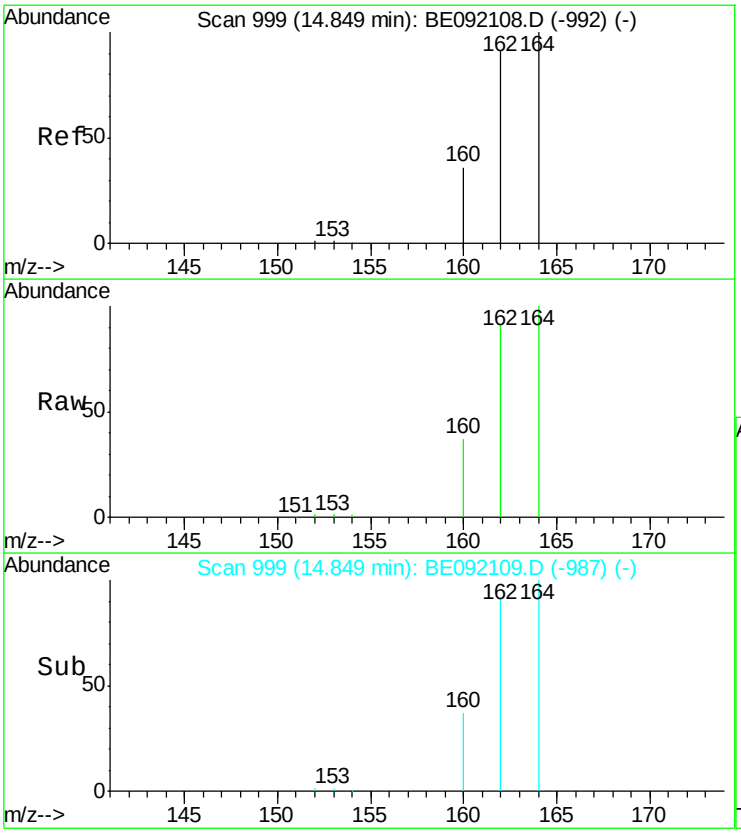
#9
2-Methylnaphthalene
Concen: 0.72 ng
RT: 12.65 min Scan# 834
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:142 Resp: 5568

Ion	Ratio	Lower	Upper
142	100		
141	87.1	65.1	97.7
115	36.2	27.0	40.4

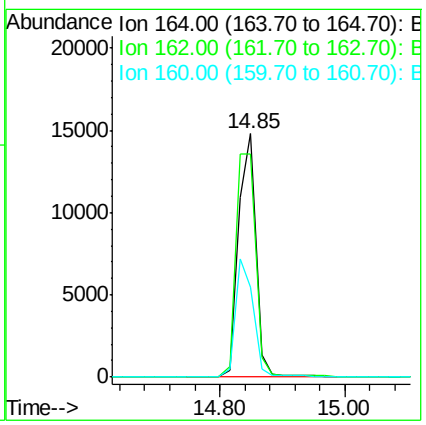


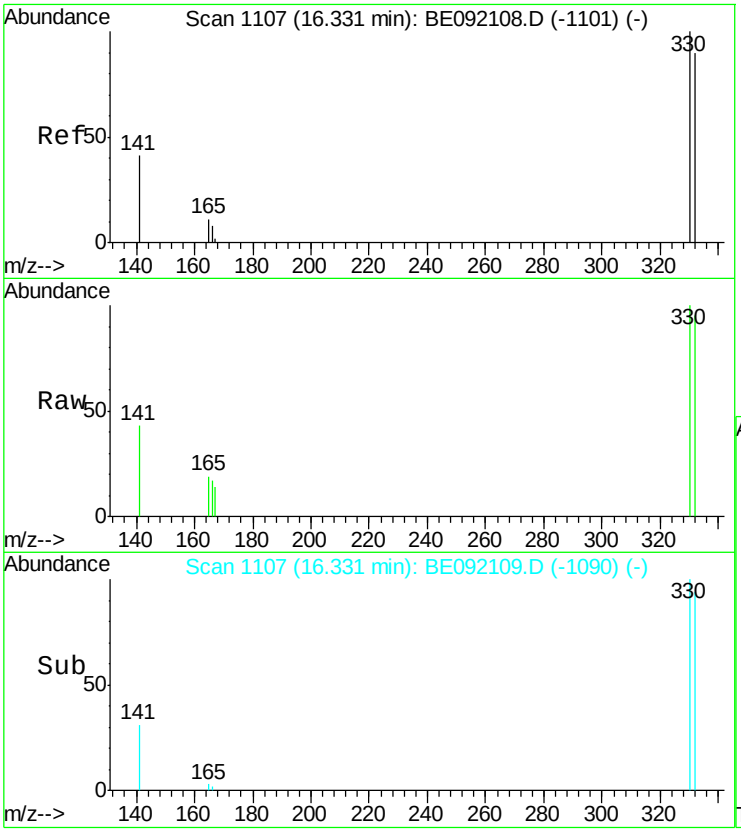


#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.85 min Scan# 999
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:164 Resp: 28215

Ion	Ratio	Lower	Upper
164	100		
162	91.5	69.5	104.3
160	36.9	27.6	41.4



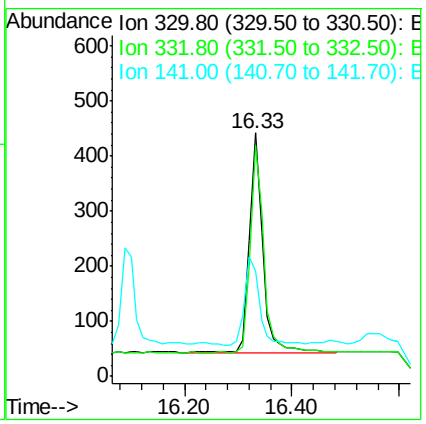


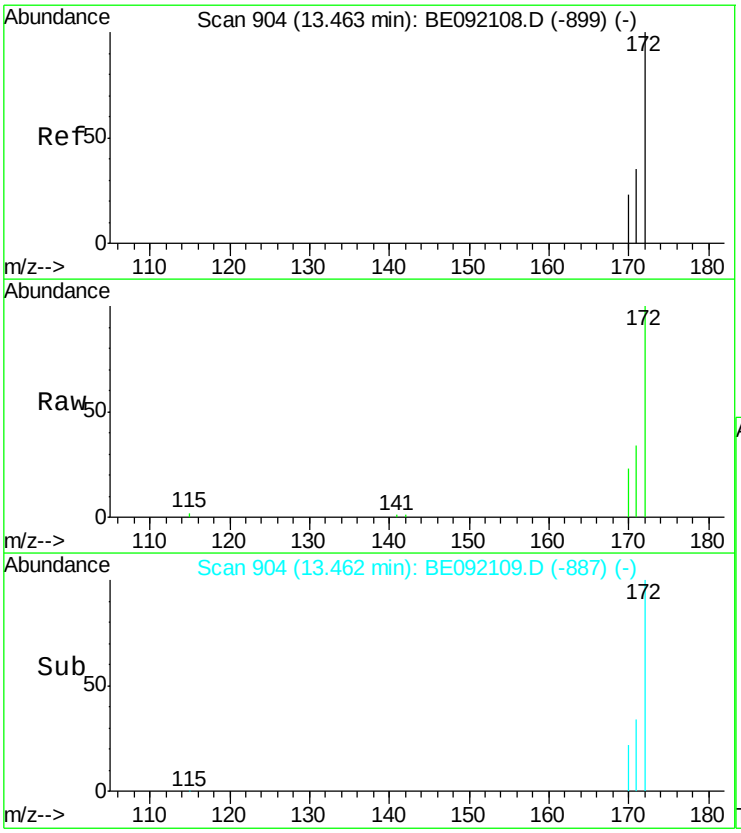
#11
2,4,6-Tribromophenol
Concen: 0.34 ng
RT: 16.33 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:330 Resp: 697

Ion	Ratio	Lower	Upper
330	100		
332	96.4	74.2	111.4
141	44.2	139.8	209.8#

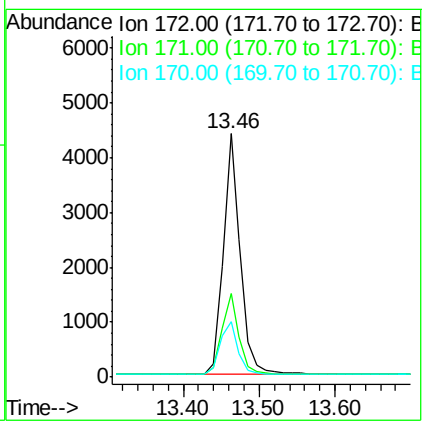


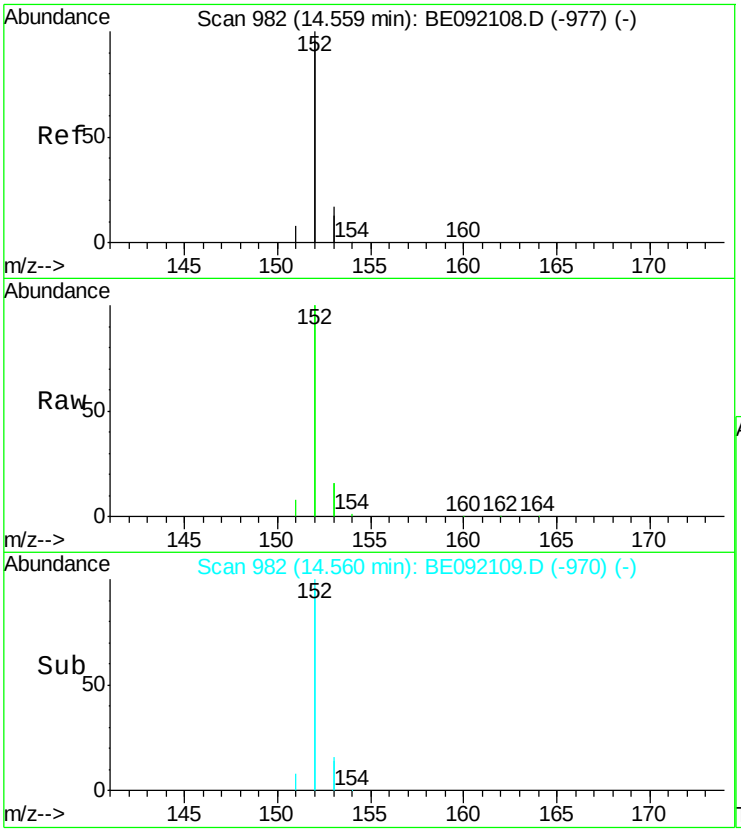


#12
2-Fluorobiphenyl
Concen: 0.64 ng
RT: 13.46 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:172 Resp: 6997

Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.3	45.5
170	22.8	21.6	32.4



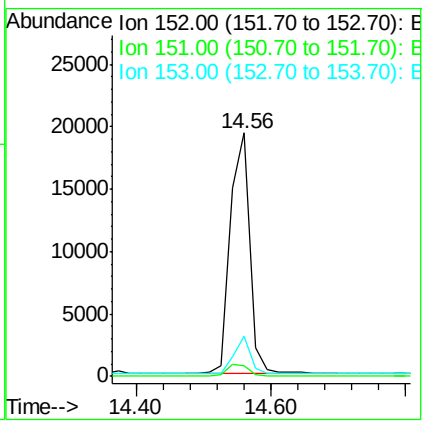


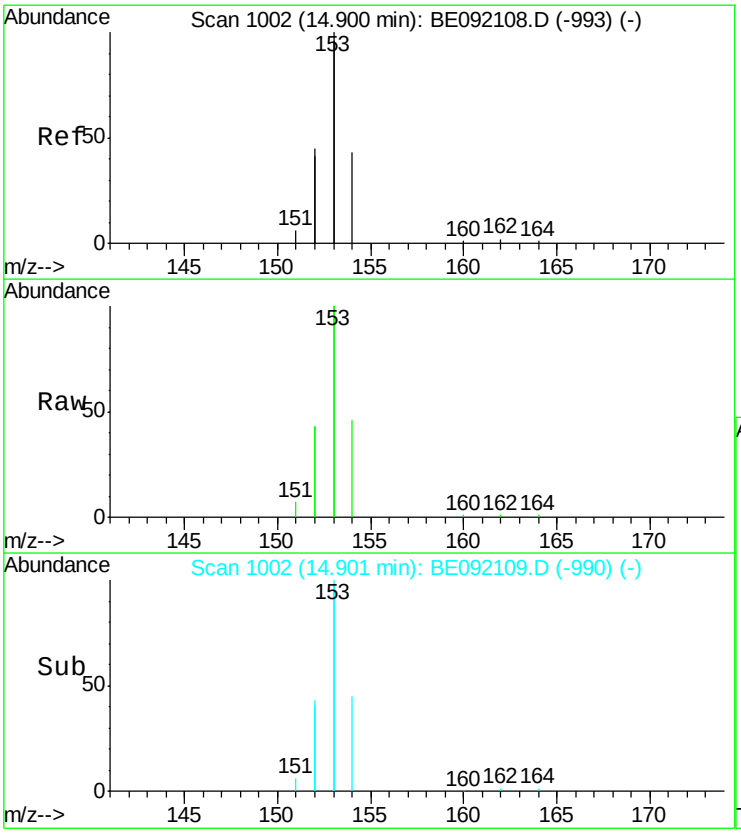
#13
Acenaphthylene
Concen: 0.62 ng
RT: 14.56 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 38793

Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	13.2	9.6	14.4

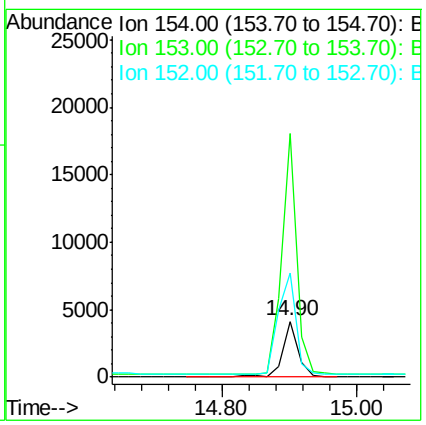


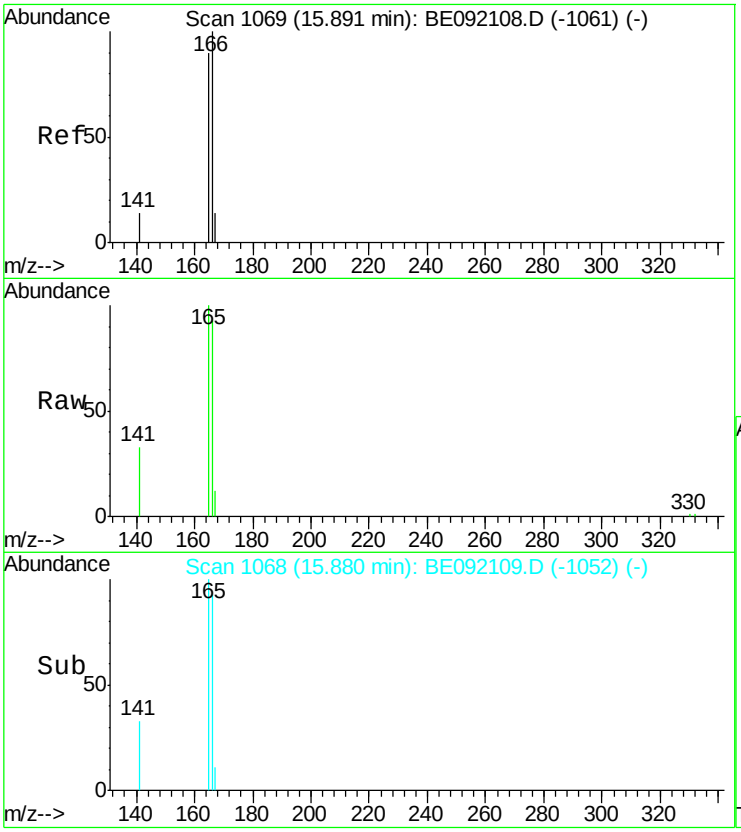


#14
Acenaphthene
Concen: 0.71 ng
RT: 14.90 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:154 Resp: 6150

Ion	Ratio	Lower	Upper
154	100		
153	441.7	345.1	517.7
152	220.3	0.0	0.0#



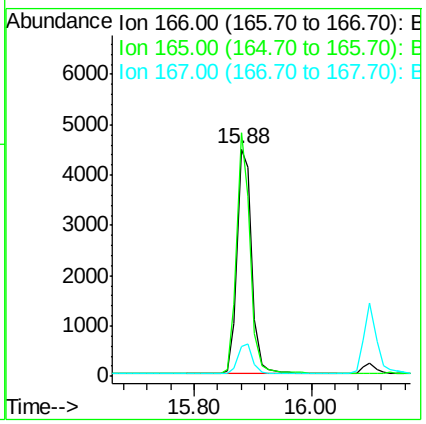


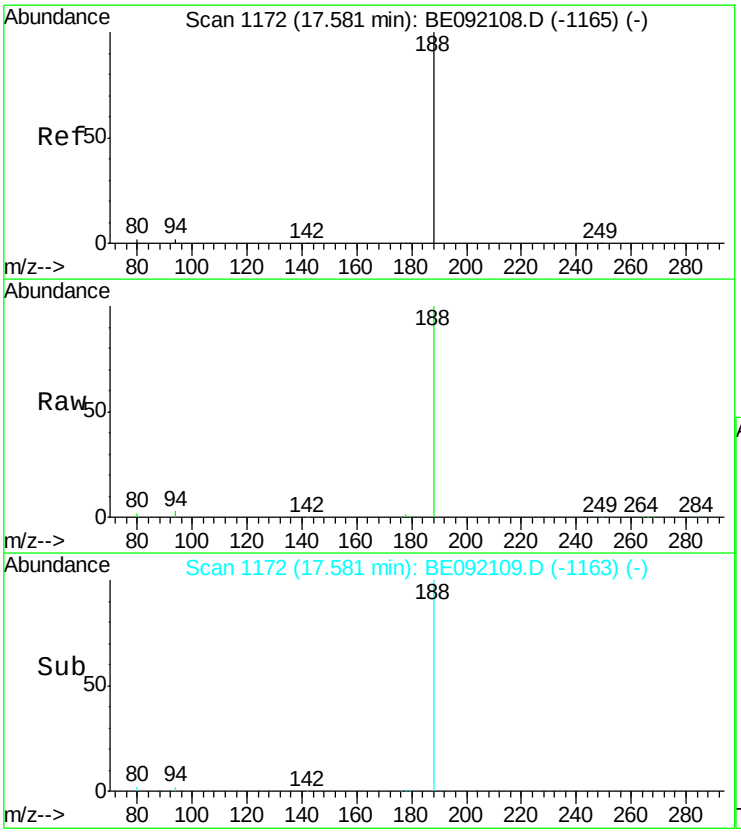
#15
Fluorene
Concen: 0.60 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:166 Resp: 7770

Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.6	118.0
167	13.4	11.1	16.7

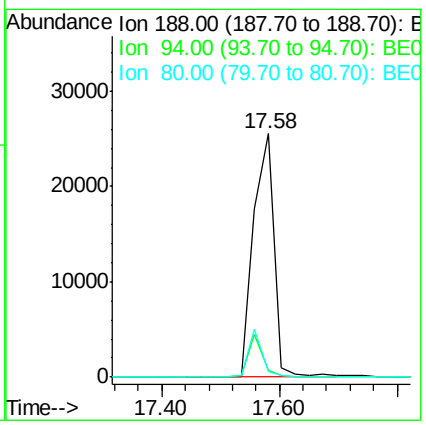


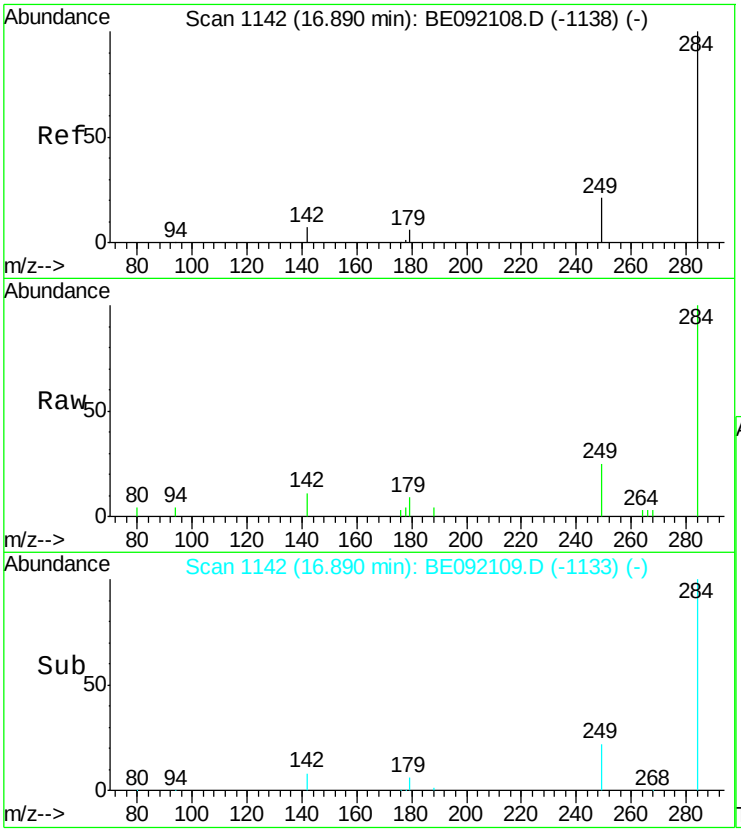


#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:188 Resp: 61895

Ion	Ratio	Lower	Upper
188	100		
94	2.6	3.9	5.9#
80	2.1	3.4	5.0#



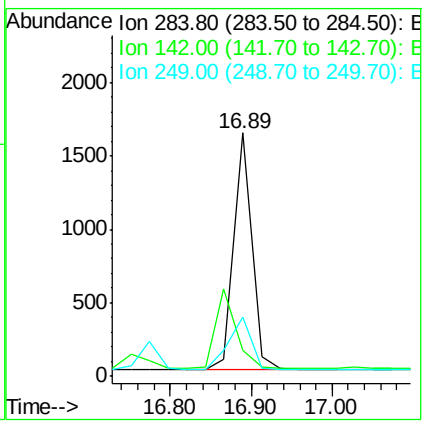


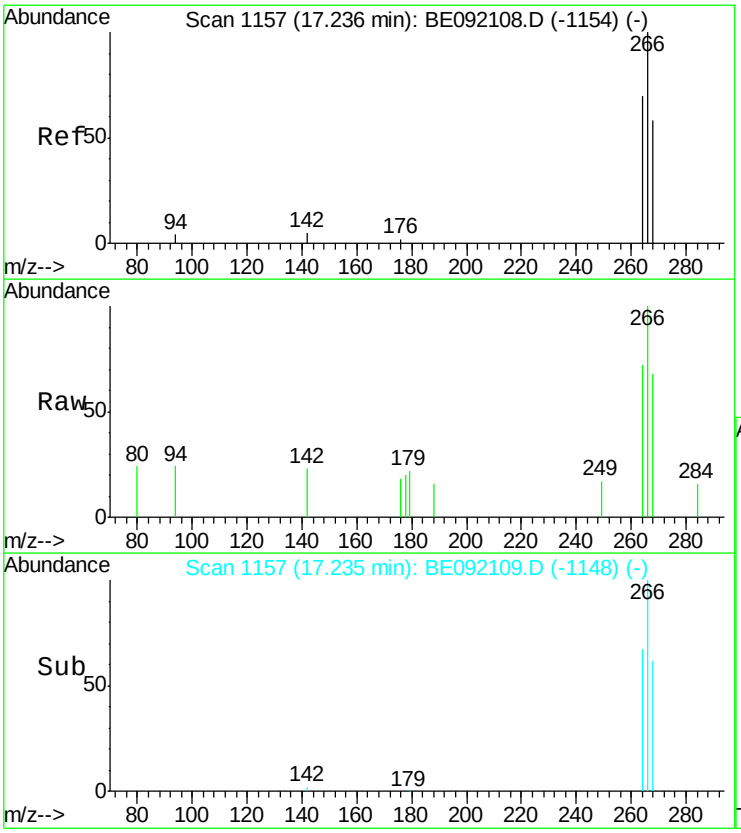
#17
Hexachlorobenzene
Concen: 1.19 ng
RT: 16.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 2466

Ion	Ratio	Lower	Upper
284	100		
142	0.0	33.3	49.9#
249	28.1	25.4	38.0

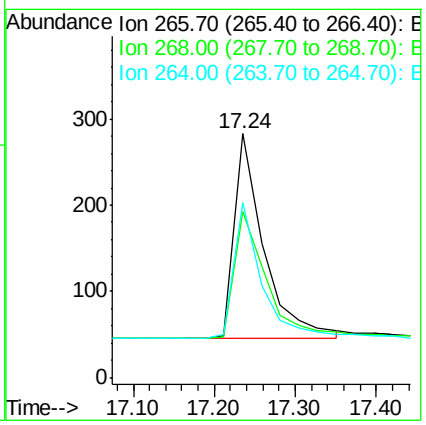


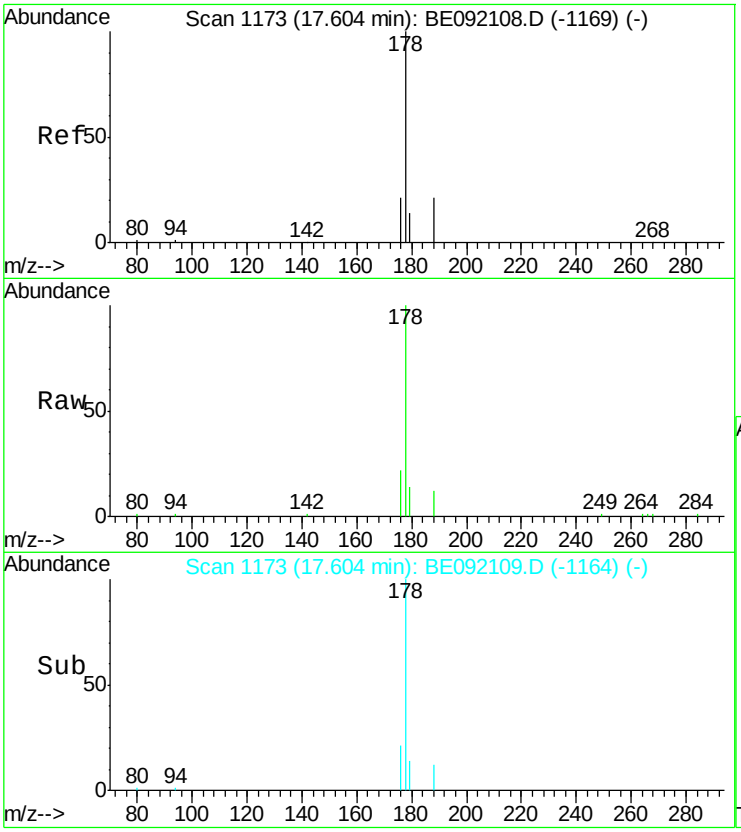


#18
Pentachlorophenol
Concen: 1.59 ng
RT: 17.24 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:266 Resp: 603

Ion	Ratio	Lower	Upper
266	100		
268	68.2	62.7	94.1
264	71.7	63.5	95.3



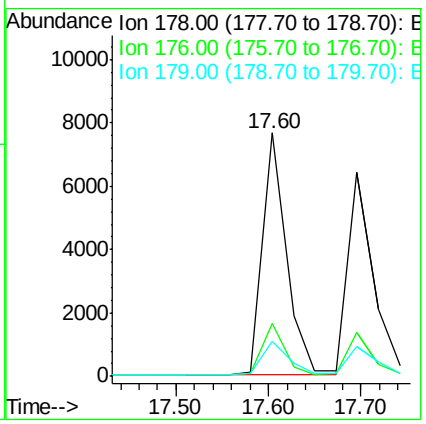


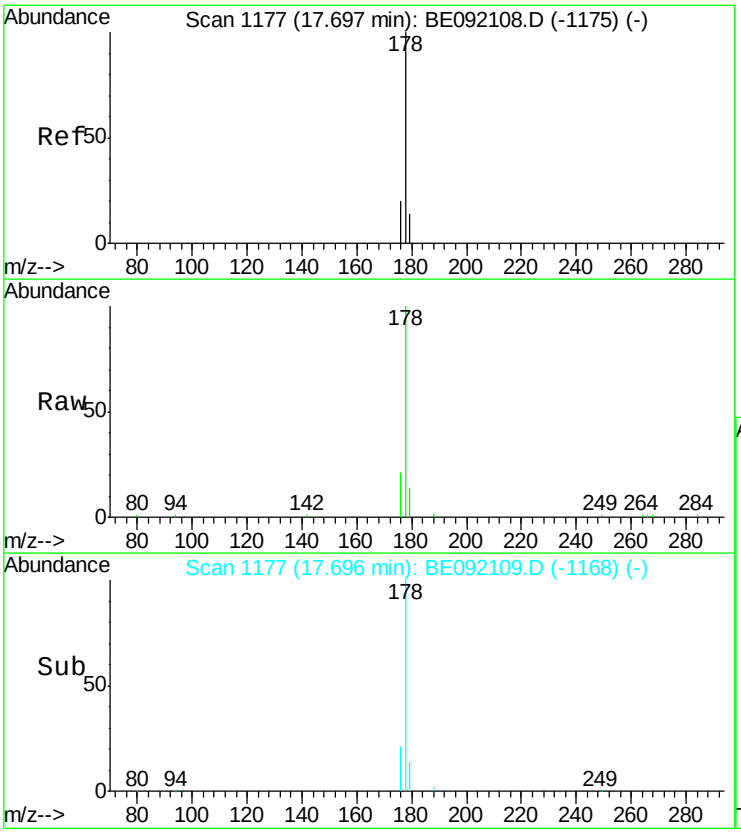
#19
Phenanthrene
Concen: 0.82 ng
RT: 17.60 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 13643

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	15.4	12.7	19.1

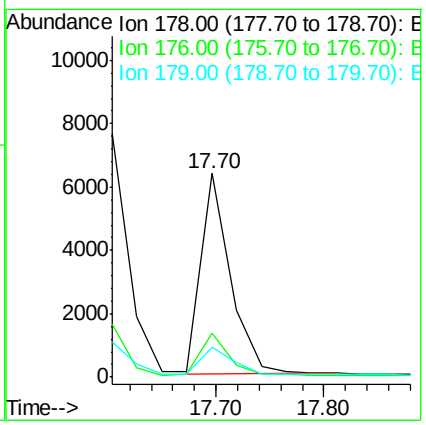


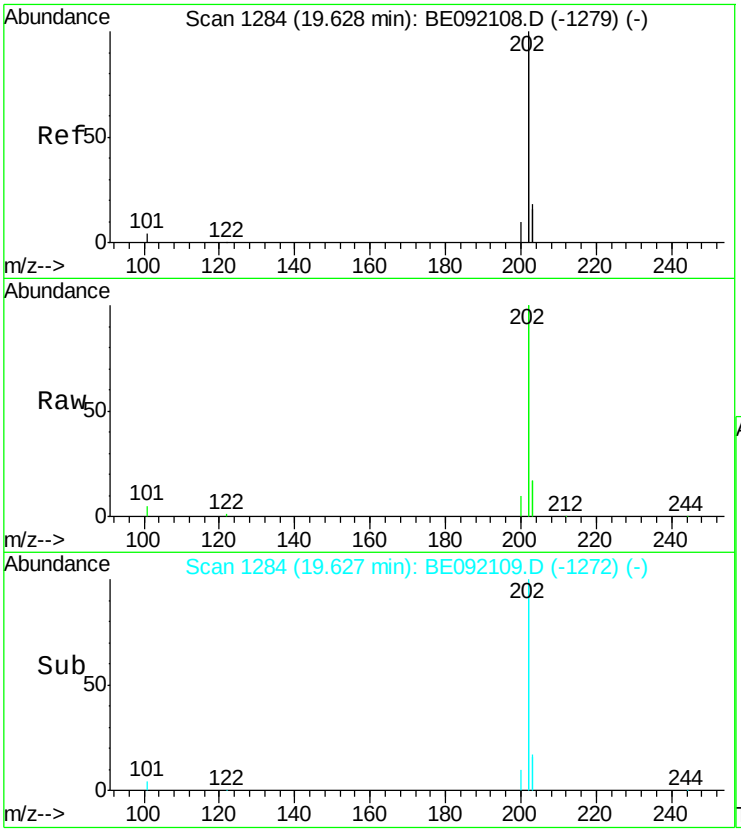


#20
Anthracene
Concen: 0.98 ng
RT: 17.70 min Scan# 1177
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:178 Resp: 12046

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.2	22.8
179	14.7	12.2	18.4



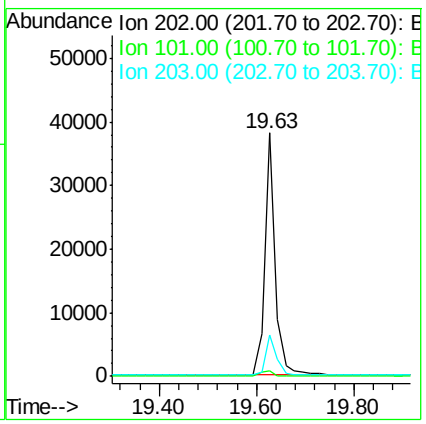


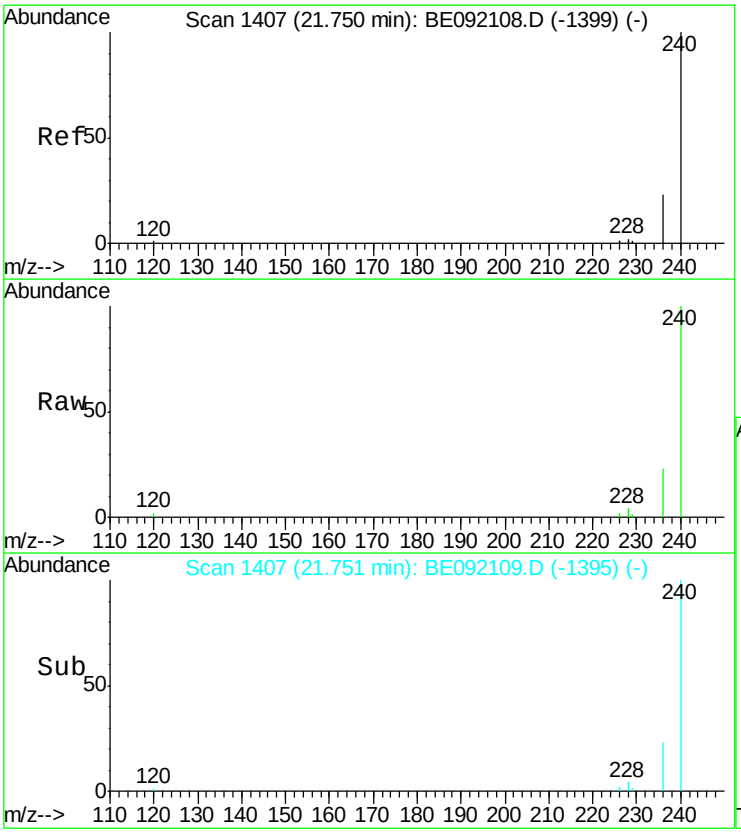
#21
Fluoranthene
Concen: 1.20 ng
RT: 19.63 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 58117

Ion	Ratio	Lower	Upper
202	100		
101	2.7	2.2	3.2
203	17.7	13.0	19.4

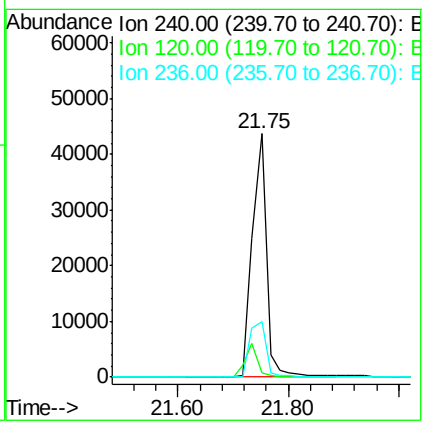


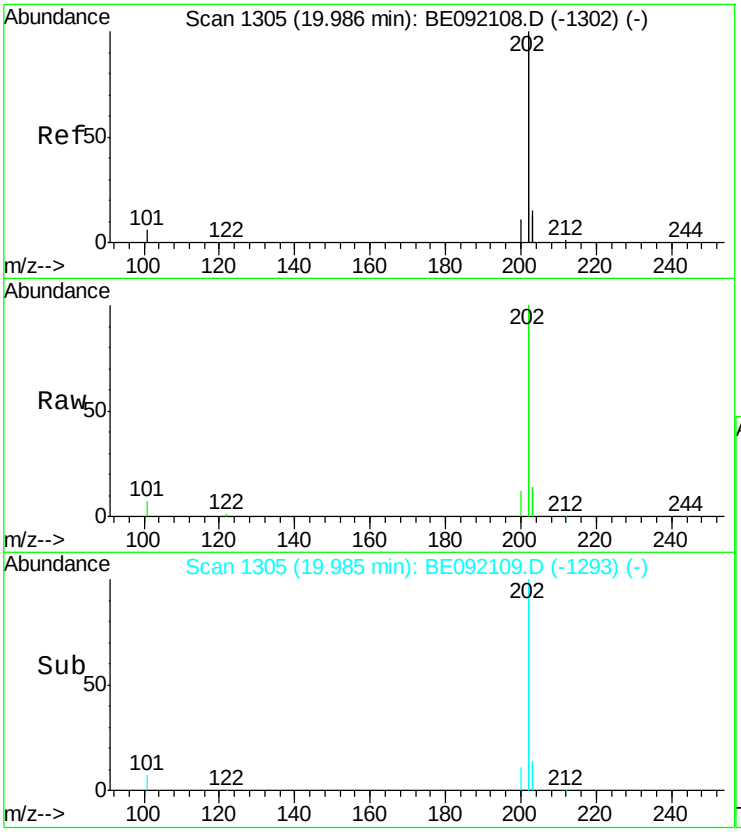


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:240 Resp: 77157

Ion	Ratio	Lower	Upper
240	100		
120	1.5	0.6	1.0#
236	23.0	18.2	27.4



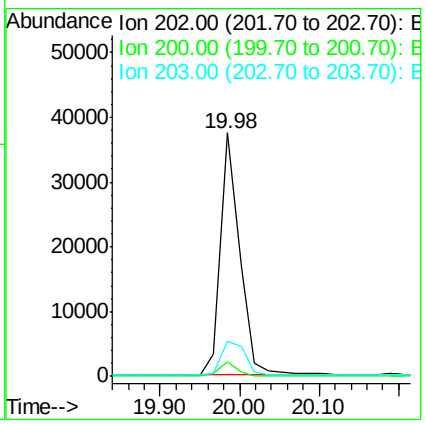


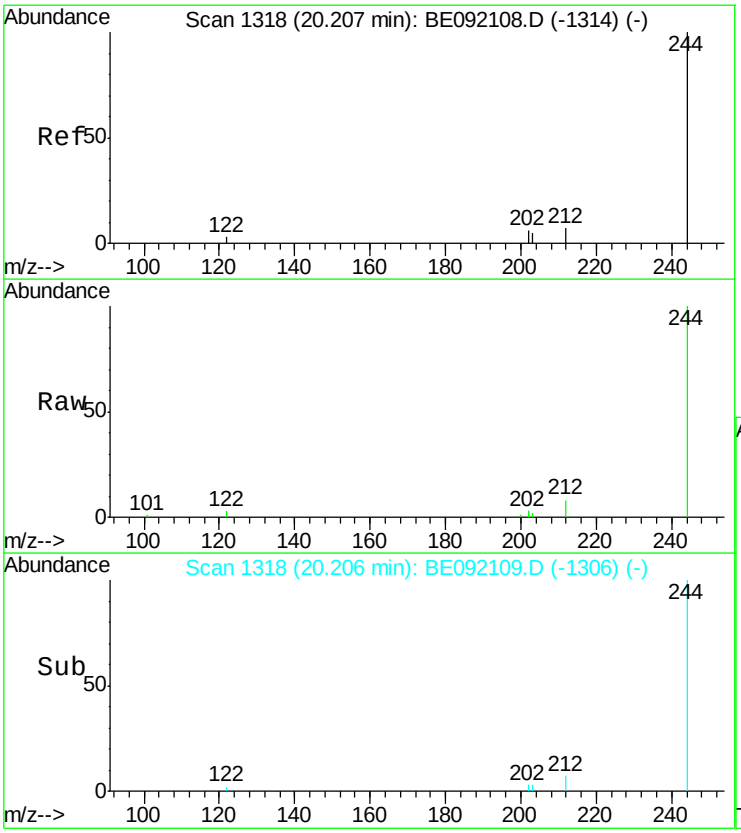
#23
Pyrene
Concen: 0.71 ng
RT: 19.98 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 61919

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.4	6.6
203	17.5	13.4	20.0

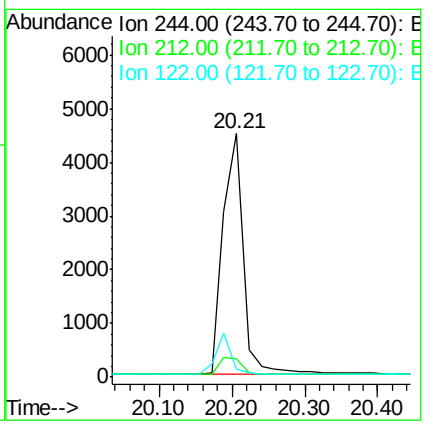


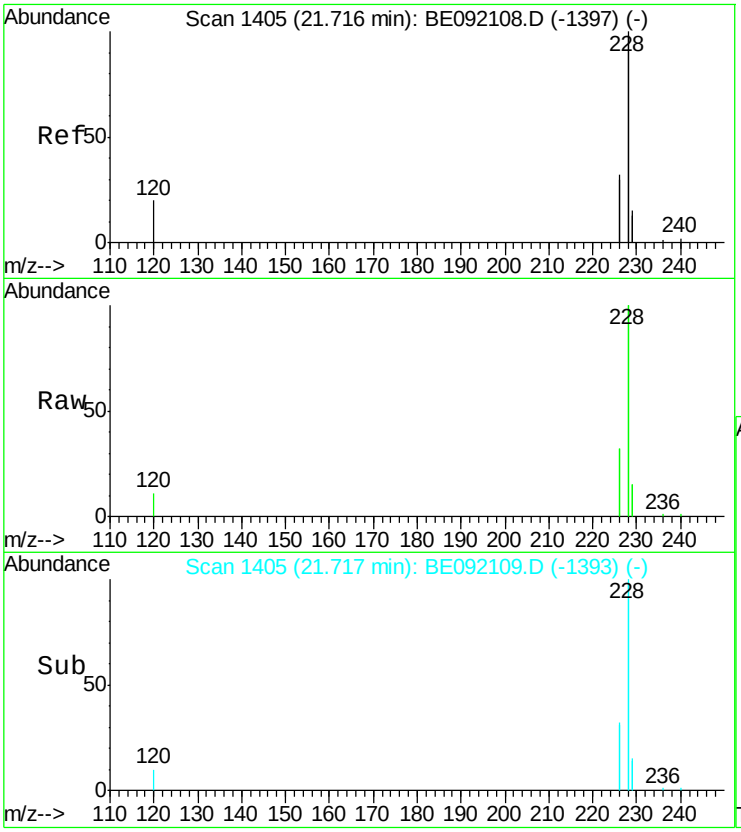


#24
Terphenyl-d14
Concen: 0.74 ng
RT: 20.21 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:244 Resp: 8727

Ion	Ratio	Lower	Upper
244	100		
212	7.6	9.1	13.7#
122	3.2	11.0	16.4#



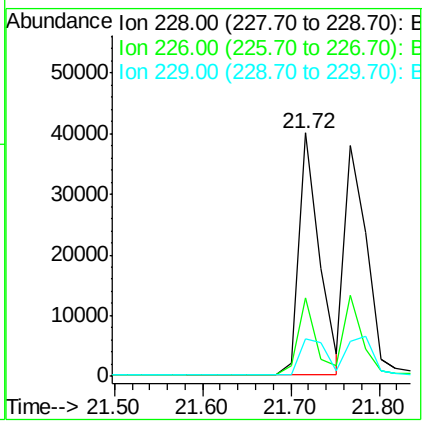


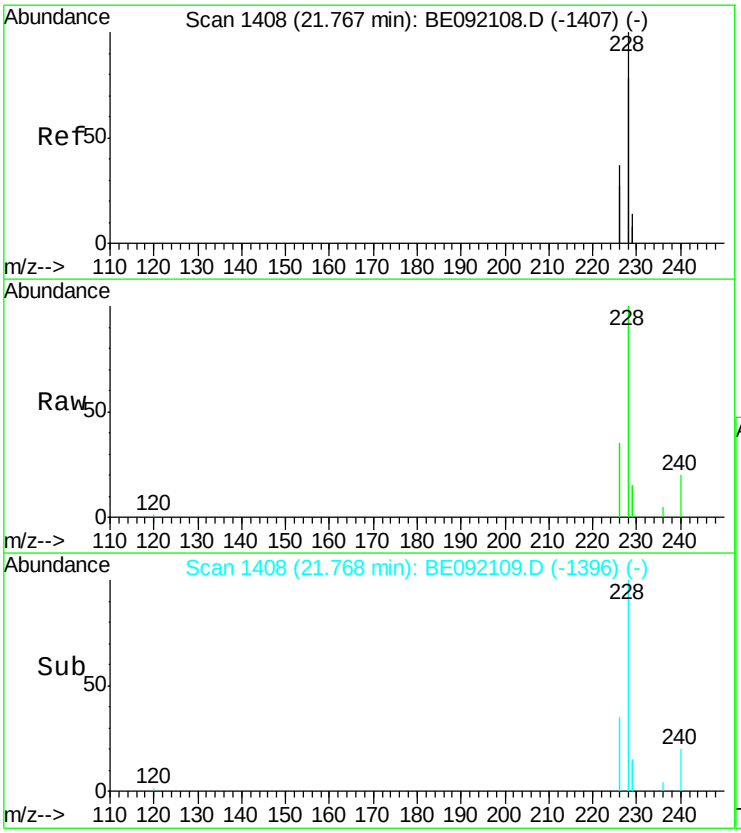
#25
Benzo(a)anthracene
Concen: 3.06 ng
RT: 21.72 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 63736

Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.1	33.1
229	15.2	15.1	22.7

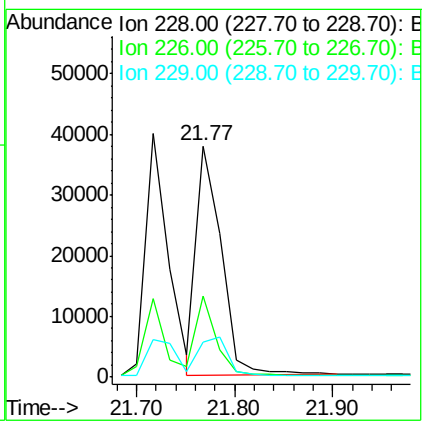


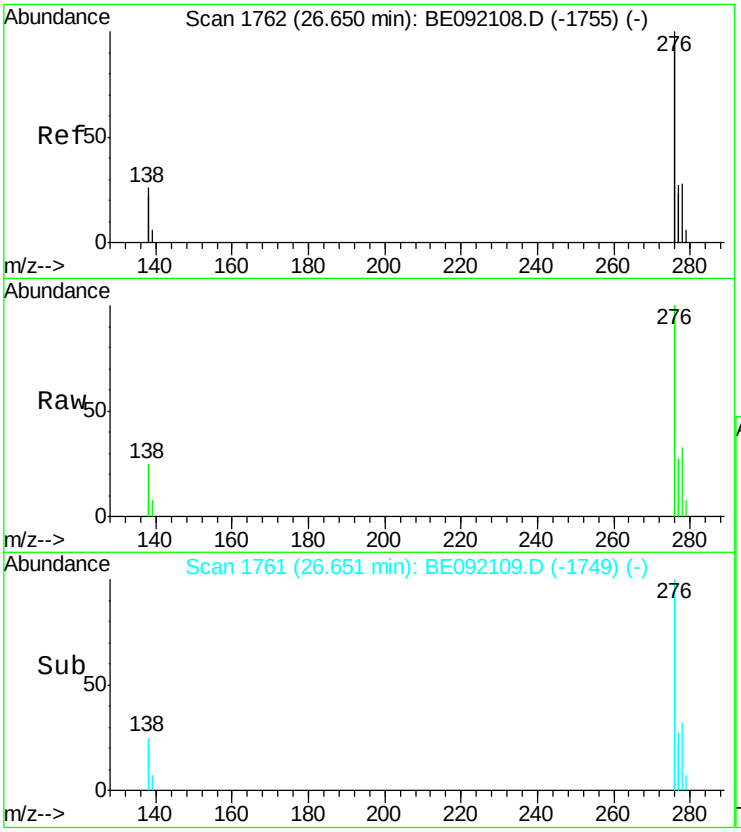


#26
Chrysene
Concen: 3.62 ng
RT: 21.77 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:228 Resp: 66526

Ion	Ratio	Lower	Upper
228	100		
226	34.9	22.3	33.5#
229	14.9	16.9	25.3#



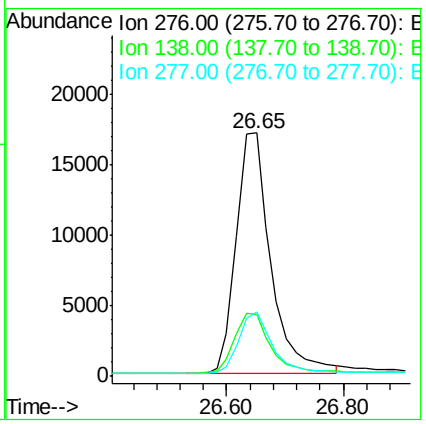


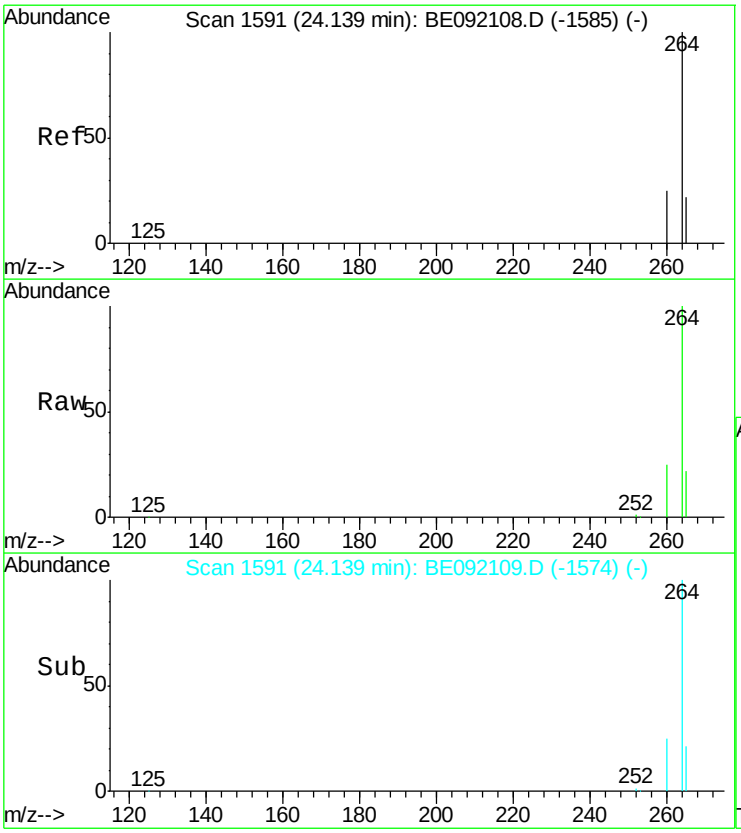
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.87 ng
RT: 26.65 min Scan# 1761
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 70929

Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.2	31.8
277	24.8	19.8	29.8

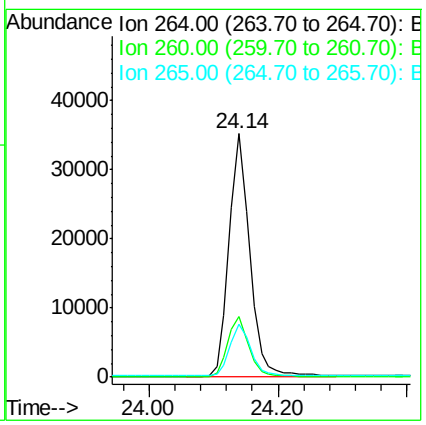


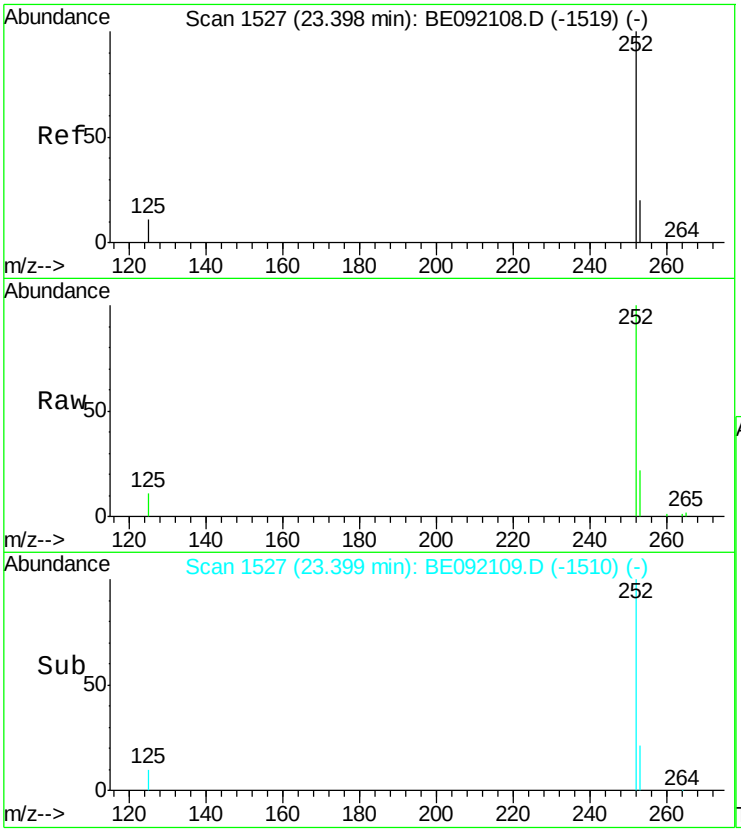


#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:264 Resp: 78307

Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.8	31.2
265	21.9	16.6	25.0



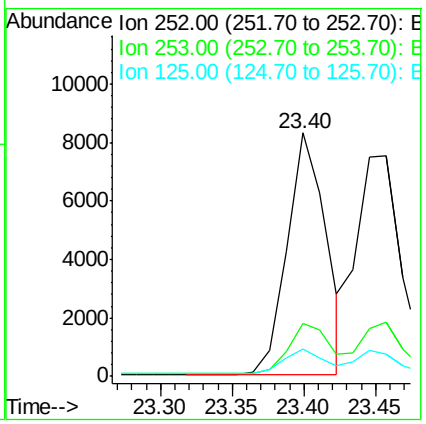


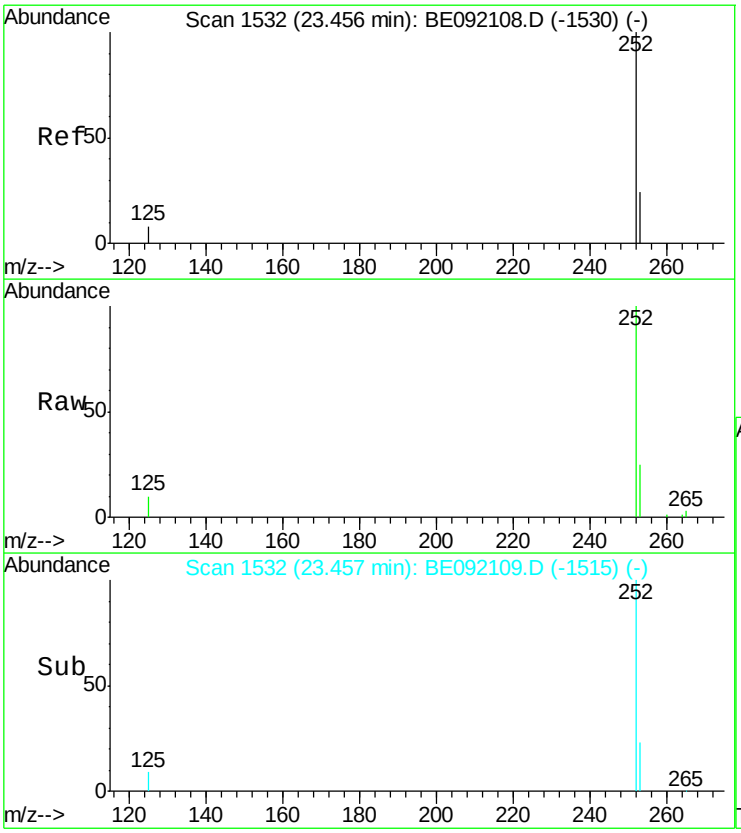
#29
Benzo(b)fluoranthene
Concen: 0.71 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 15446

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	11.5	10.2	15.2

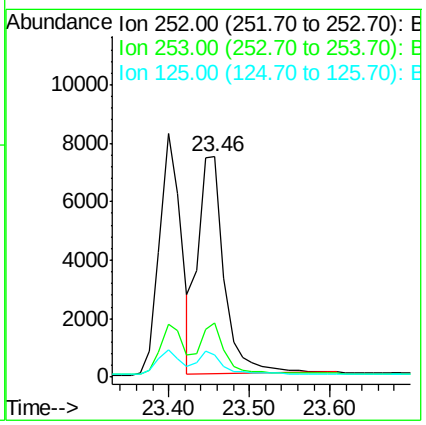


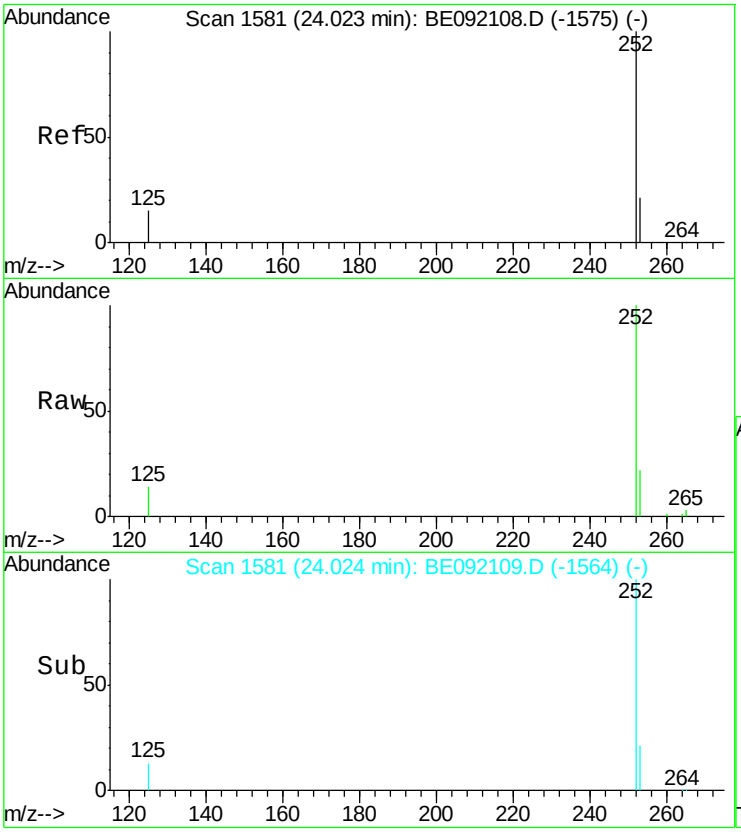


#30
Benzo(k)fluoranthene
Concen: 0.76 ng
RT: 23.46 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:252 Resp: 16872

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.4	29.0
125	10.2	8.9	13.3



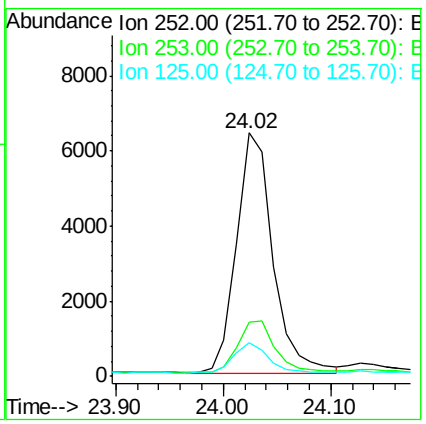


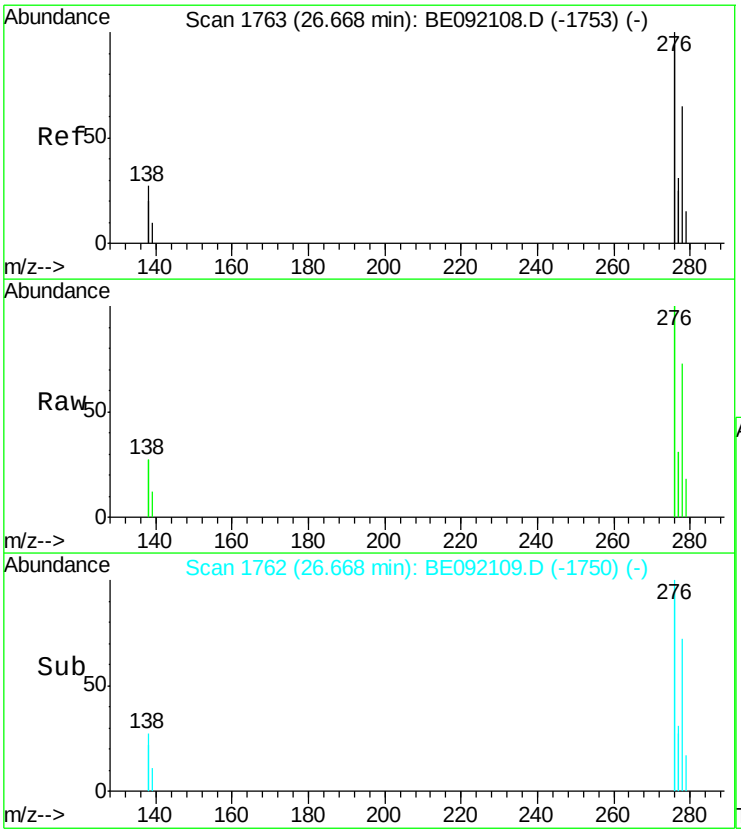
#31
Benzo(a)pyrene
Concen: 0.74 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 15009

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.8	29.8
125	13.9	10.4	15.6

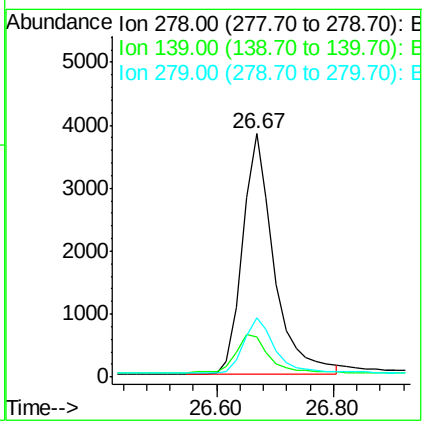


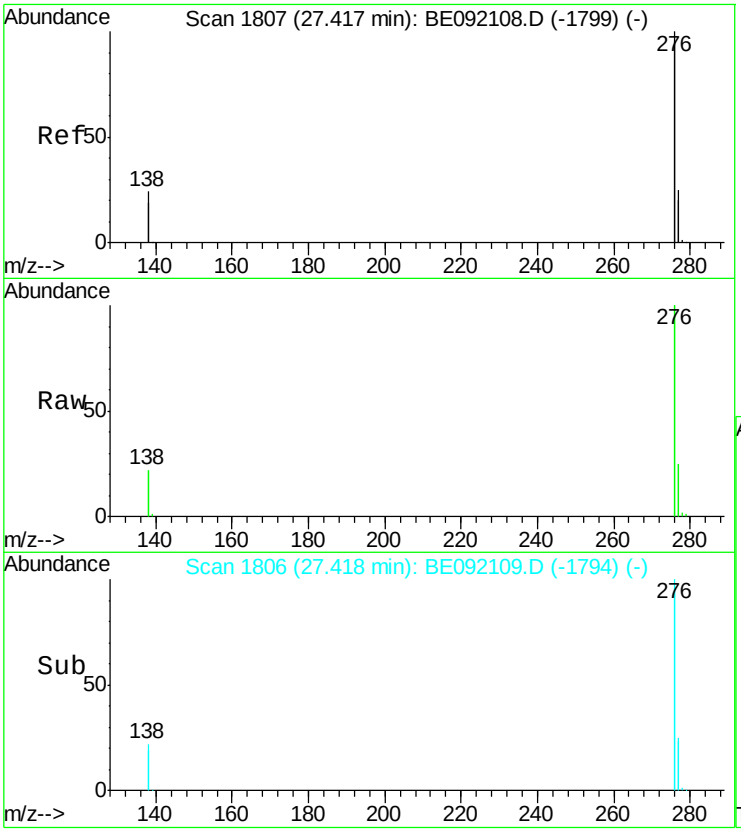


#32
Dibenzo(a,h)anthracene
Concen: 0.76 ng
RT: 26.67 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Tgt Ion:278 Resp: 14329

Ion	Ratio	Lower	Upper
278	100		
139	16.2	16.7	25.1#
279	24.6	20.3	30.5





#33
Benzo(g,h,i)perylene
Concen: 0.78 ng
RT: 27.42 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BE092109.D
Acq: 2 Aug 2016 13:26

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 61744

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.5	29.3
138	22.3	20.8	31.2