Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\Data\Be102116\
Data File : BE092467.D
Acq On : 21 Oct 2016 15:08
Operator : UM/SJ
Sample : PB94258BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Oct 21 16:56:24 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.165	152	10444	5.00	ng		-0.02
7) Naphthalene-d8	10.952	136	44587	5.00	ng		0.00
12) Acenaphthene-d10	14.815	164	27686	5.00	ng		0.00
18) Phenanthrene-d10	17.580	188	47501	5.00	ng		0.02
24) Chrysene-d12	21.746	240	75887	5.00	ng		0.00
31) Perylene-d12	24.112	264	66734	5.00	ng		0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.669	112	20175	8.18	ng		-0.02
5) Phenol-d6	7.336	99	26751	7.61	ng		-0.02
8) Nitrobenzene-d5	9.339	82	12938	4.06	ng		-0.02
13) 2,4,6-Tribromophenol	16.307	330	6626	6.78	ng		-0.01
14) 2-Fluorobiphenyl	13.434	172	30897	4.71	ng		-0.01
26) Terphenyl-d14	20.174	244	37736	4.01	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.410	88	4127	3.66	ng	#	80
3) n-Nitrosodimethylamine	3.757	42	6395	3.90	ng	#	95
6) bis(2-Chloroethyl)ether	7.589	93	9984	3.64	ng	#	26
9) Naphthalene	10.991	128	35653	3.69	ng	#	95
10) Hexachlorobutadiene	11.279	225	5484	3.61	ng		99
11) 2-Methylnaphthalene	12.624	142	23653	3.70	ng	#	87
15) Acenaphthylene	14.526	152	152881	3.81	ng		100
16) Acenaphthene	14.866	154	23159	3.69	ng		93
17) Fluorene	15.856	166	29670	3.73	ng		99
19) Hexachlorobenzene	16.889	284	8841	4.35	ng	#	62
20) Pentachlorophenol	17.234	266	7088	9.50	ng	#	86
21) Phenanthrene	17.603	178	50544	4.63	ng	#	94
22) Anthracene	17.695	178	49370	4.70	ng		98
23) Fluoranthene	19.611	202	211189	4.07	ng		98
25) Pyrene	19.969	202	228682	3.48	ng		99
27) Benzo(a)anthracene	21.724	228	538113	7.28	ng	#	91
28) Chrysene	21.724	228	541441	7.99	ng	#	71
29) Bis(2-ethylhexyl)phtha...	21.633	149	21769	3.42	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.615	276	300936	4.19	ng		98
32) Benzo(b)fluoranthene	23.383	252	69050	4.27	ng	#	96
33) Benzo(k)fluoranthene	23.429	252	62858	3.72	ng		95
34) Benzo(a)pyrene	24.008	252	64113	4.05	ng	#	95
35) Dibenzo(a,h)anthracene	26.632	278	62760	4.32	ng		95
36) Benzo(g,h,i)perylene	27.382	276	260877	4.18	ng		97

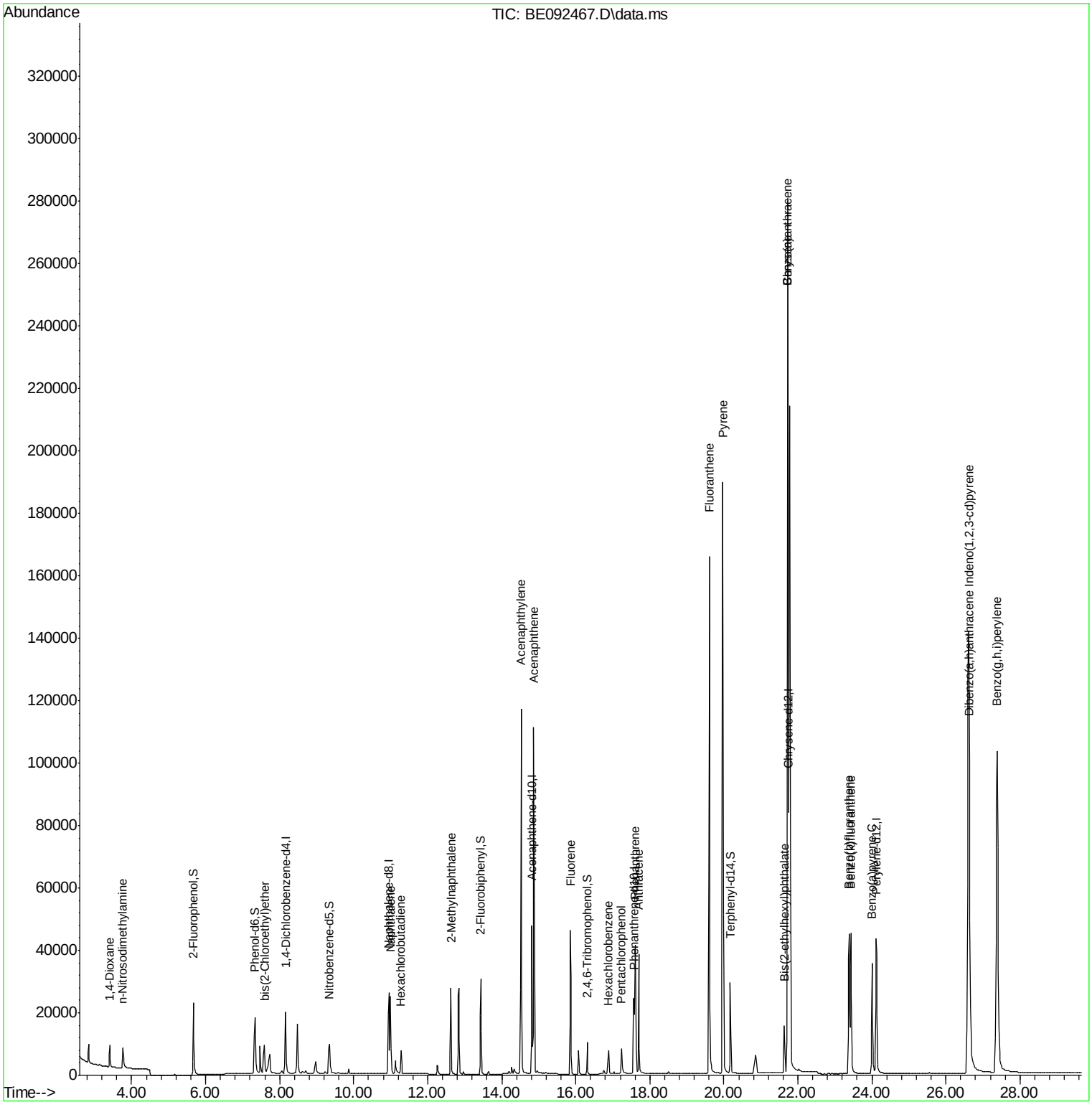
(#) = qualifier out of range (m) = manual integration (+) = signals summed

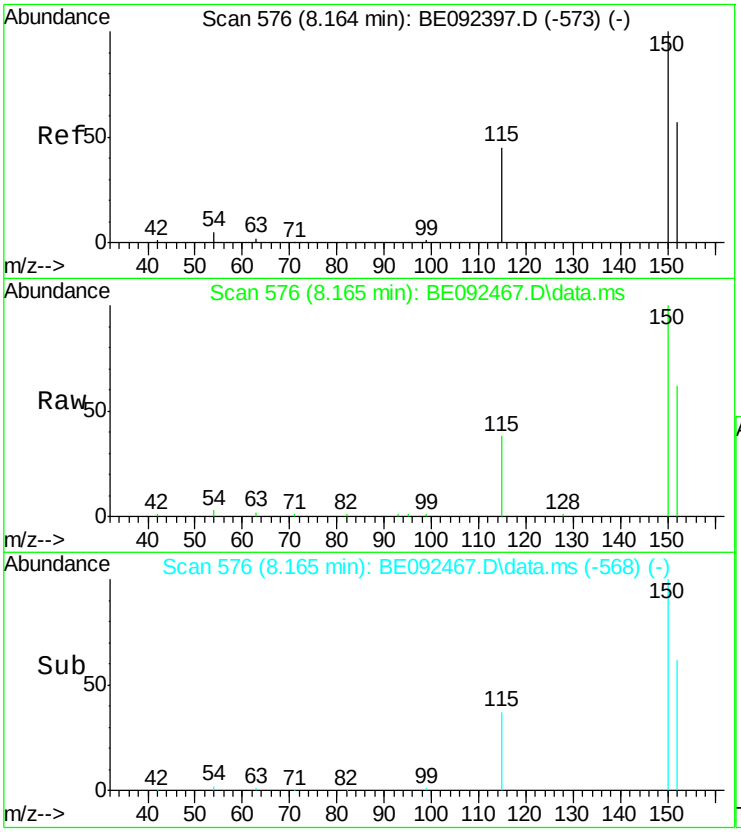
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\Data\Be102116\
Data File : BE092467.D
Acq On : 21 Oct 2016 15:08
Operator : UM/SJ
Sample : PB94258BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Oct 21 16:56:24 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration



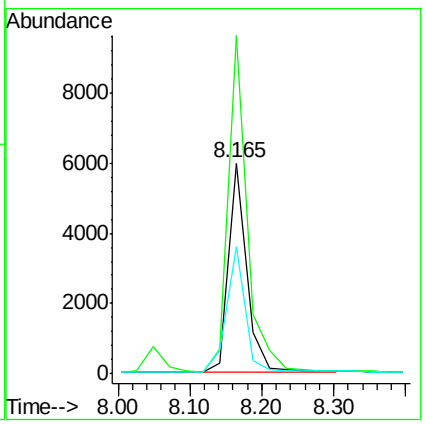


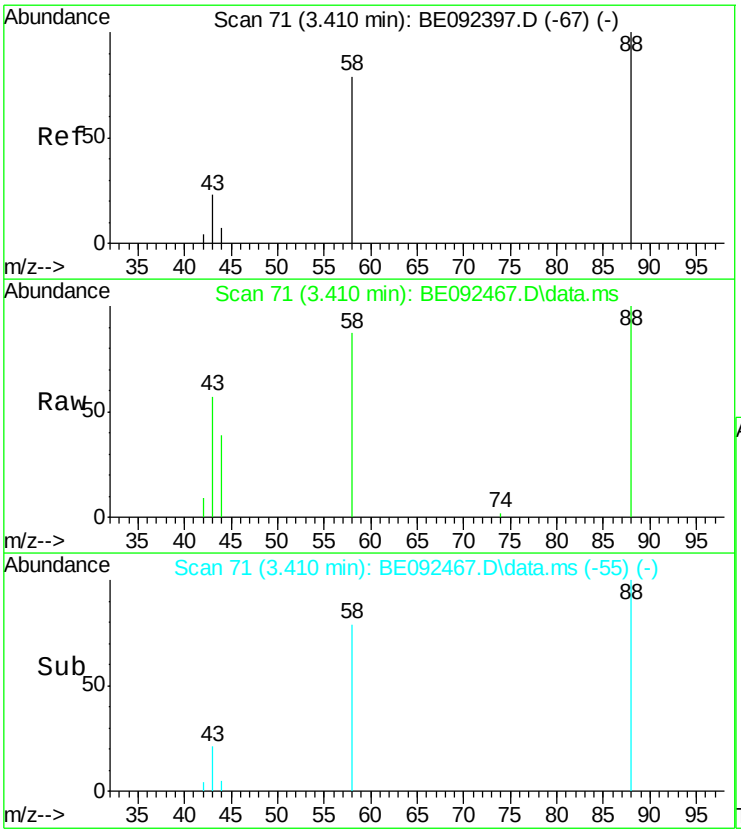
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.165 min Scan# 57
Delta R.T. -0.023 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 10444

Ion	Ratio	Lower	Upper
152	100		
150	160.4	106.0	159.0#
115	60.4	31.2	46.8#

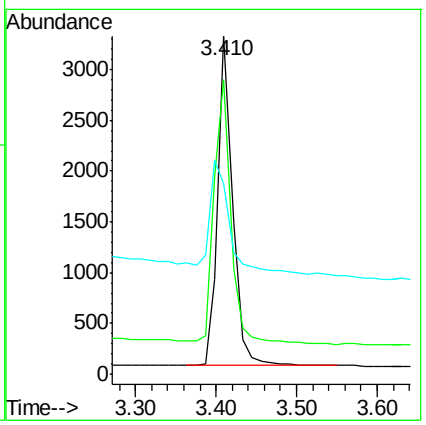


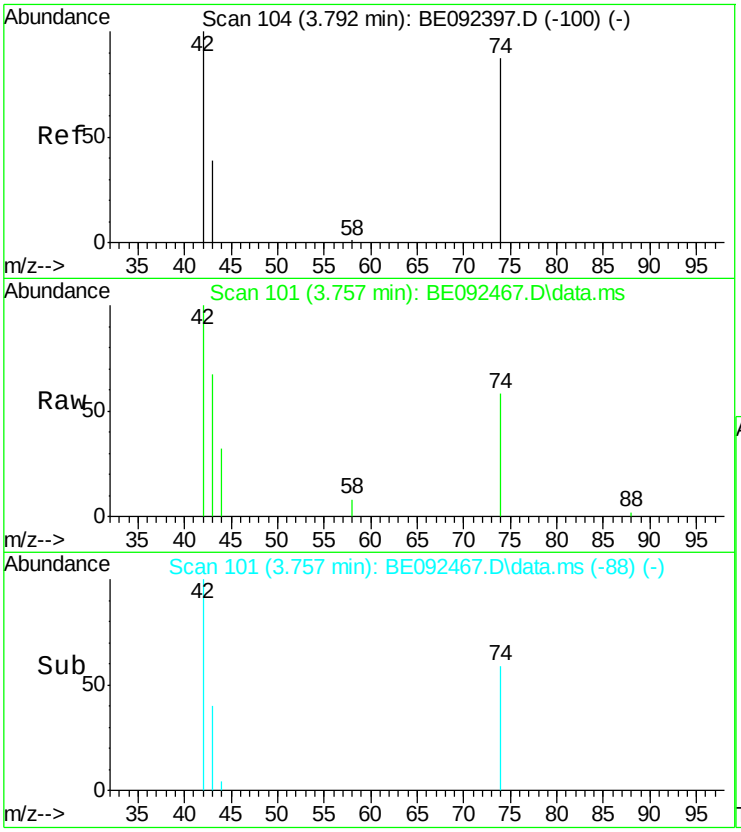


#2
1,4-Dioxane
Concen: 3.66 ng
RT: 3.410 min Scan# 71
Delta R.T. -0.011 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion: 88 Resp: 4127

Ion	Ratio	Lower	Upper
88	100		
58	93.4	63.6	95.4
43	51.2	28.0	42.0#



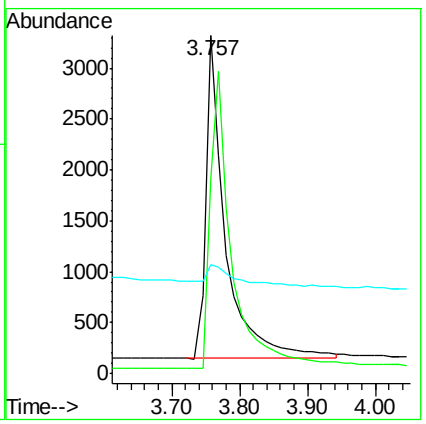


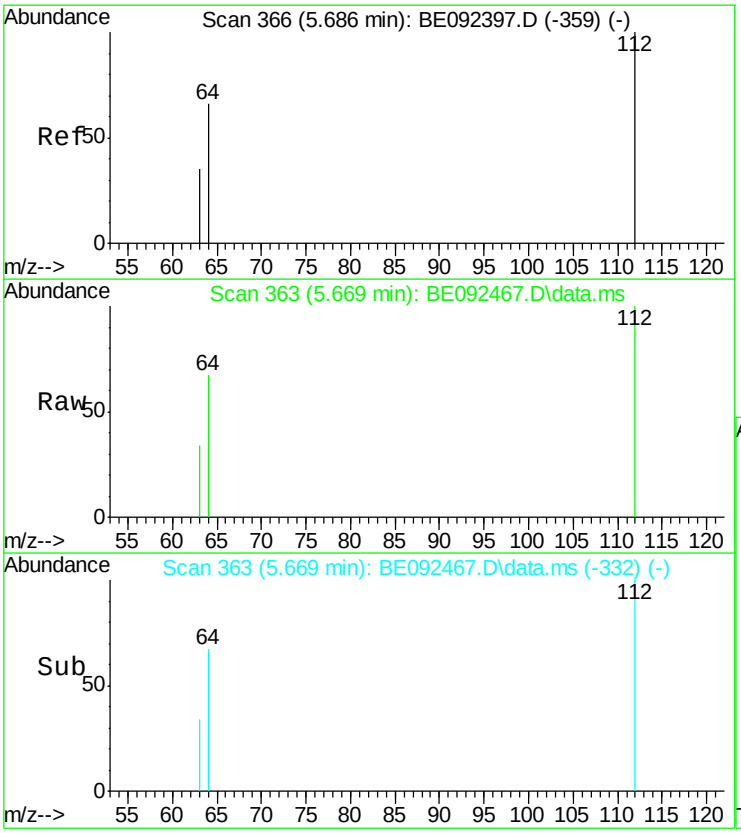
#3
n-Nitrosodimethylamine
Concen: 3.90 ng
RT: 3.757 min Scan# 10
Delta R.T. -0.045 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 6395

Ion	Ratio	Lower	Upper
42	100		
74	102.9	86.0	129.0
44	9.5	5.1	7.7#

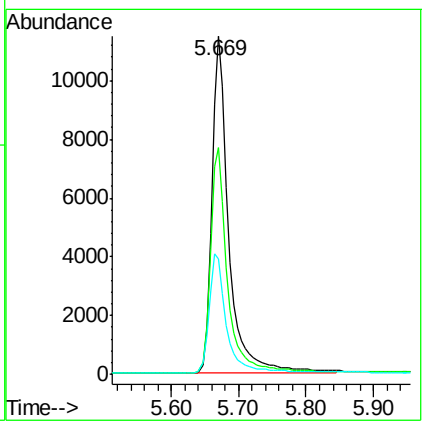


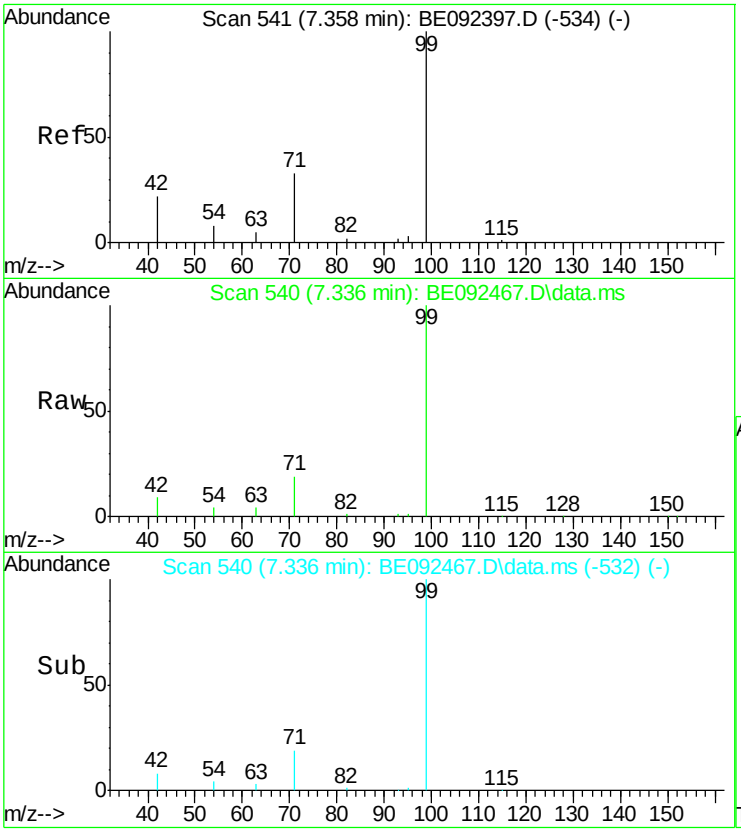


#4
2-Fluorophenol
Concen: 8.18 ng
RT: 5.669 min Scan# 363
Delta R.T. -0.017 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:112 Resp: 20175

Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.5	80.3
63	36.5	27.9	41.9



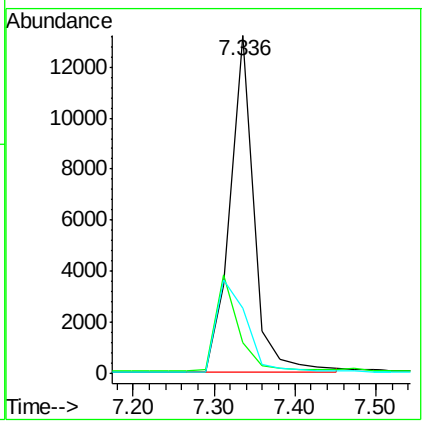


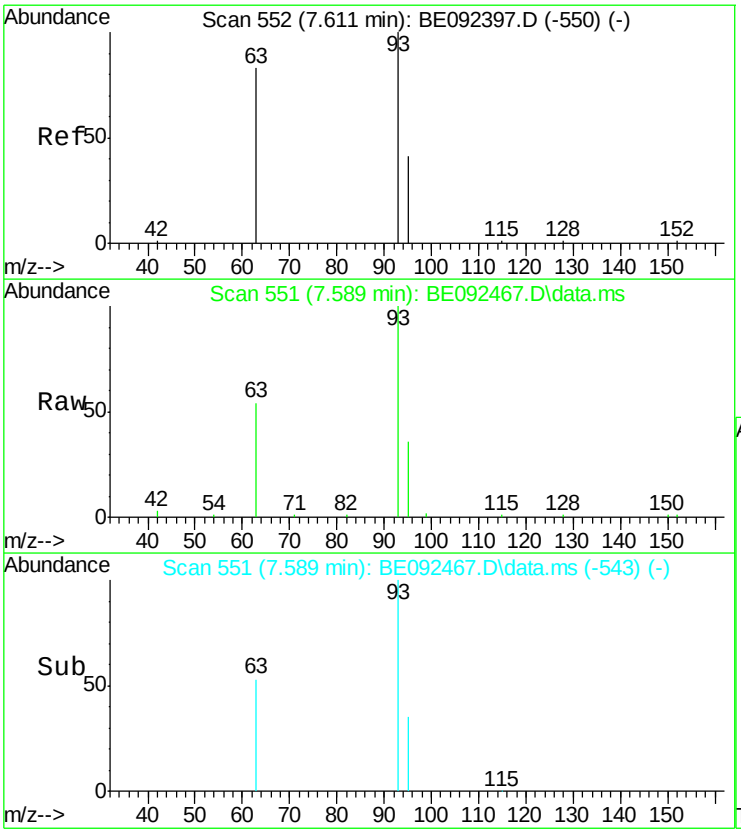
#5
Phenol-d6
Concen: 7.61 ng
RT: 7.336 min Scan# 54
Delta R.T. -0.022 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 26751

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

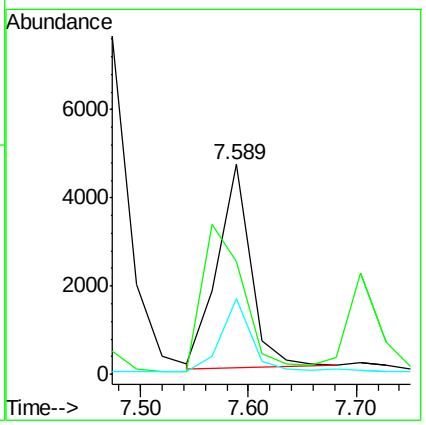


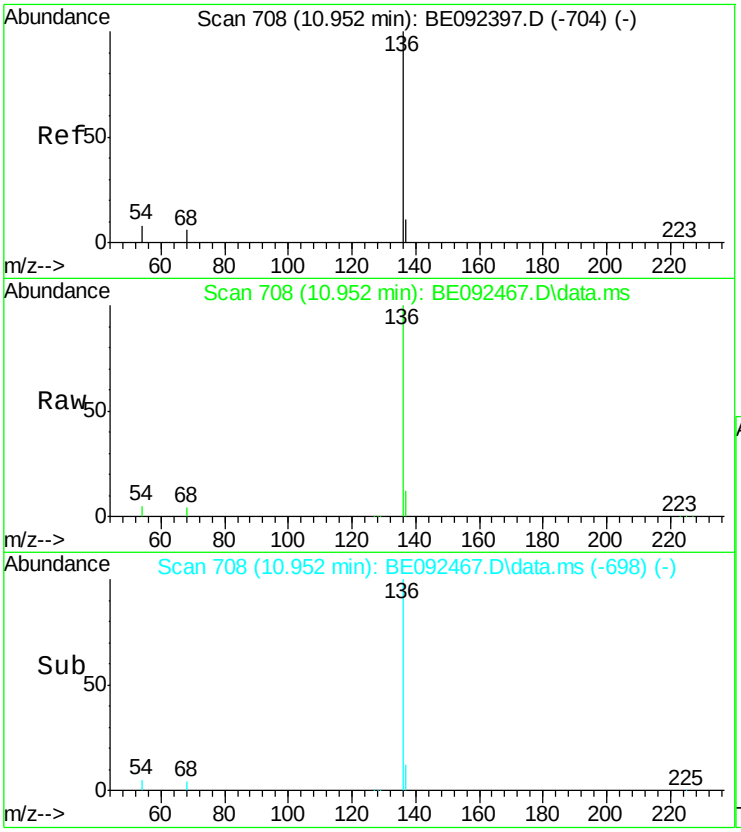


#6
bis(2-Chloroethyl)ether
Concen: 3.64 ng
RT: 7.589 min Scan# 551
Delta R.T. -0.022 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion: 93 Resp: 9984

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	35.0	24.0	36.0



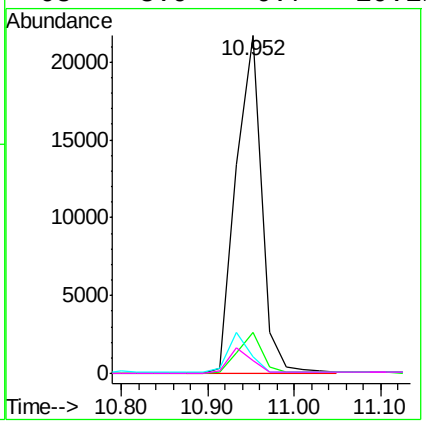


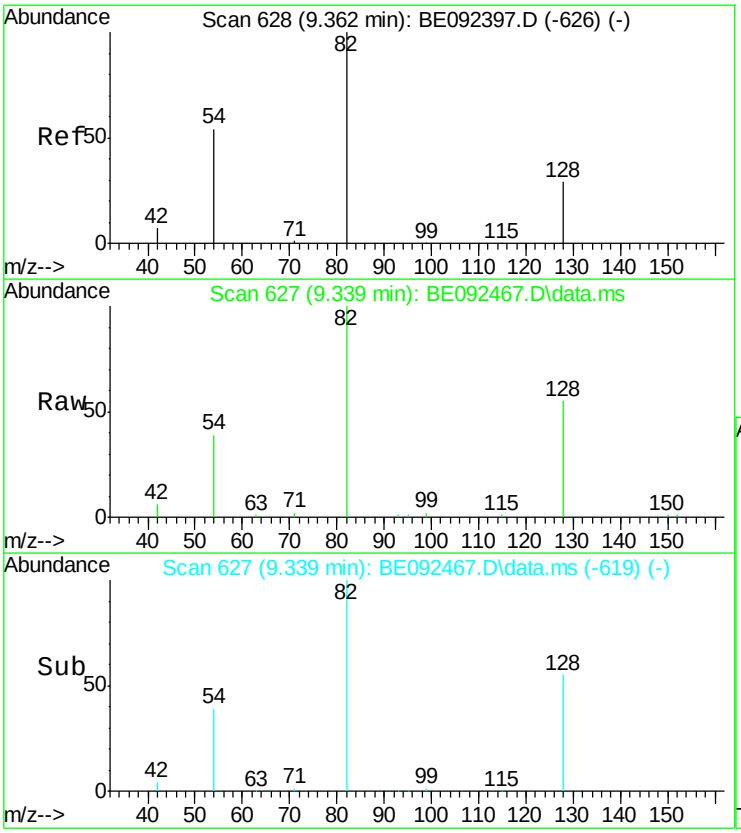
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.952 min Scan# 70
Delta R.T. 0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 44587

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.2	12.4
54	4.9	9.6	14.4#
68	3.9	6.7	10.1#

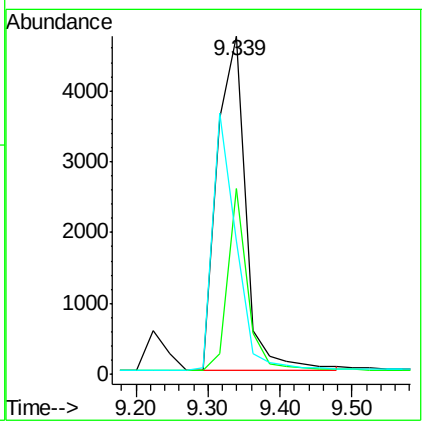


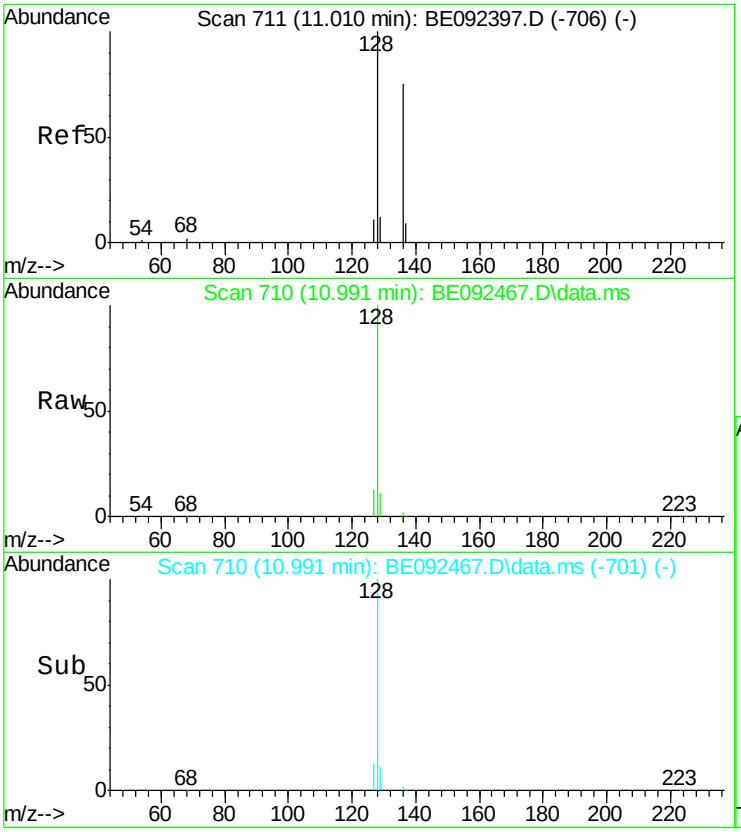


#8
Nitrobenzene-d5
Concen: 4.06 ng
RT: 9.339 min Scan# 627
Delta R.T. -0.023 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion: 82 Resp: 12938

Ion	Ratio	Lower	Upper
82	100		
128	55.1	39.0	58.4
54	39.4	44.8	67.2#



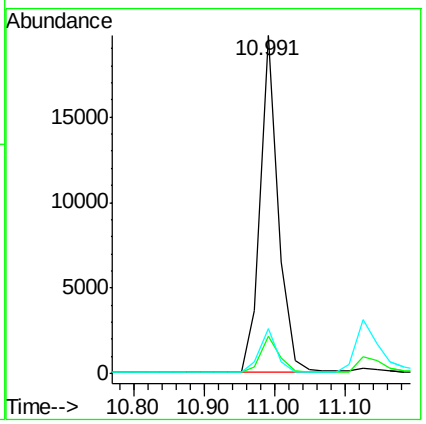


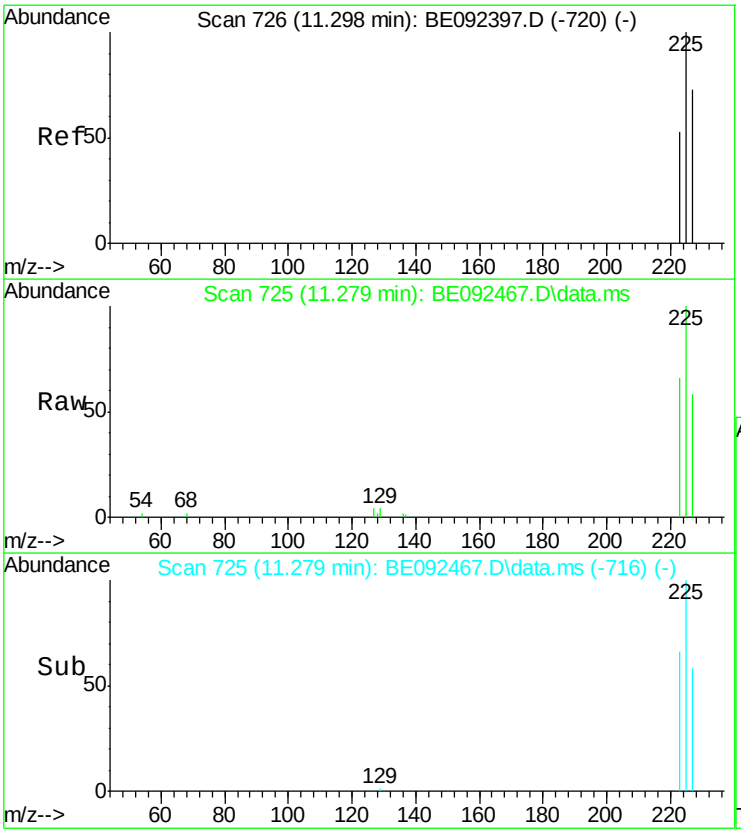
#9
Naphthalene
Concen: 3.69 ng
RT: 10.991 min Scan# 71
Delta R.T. -0.019 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 35653

Ion	Ratio	Lower	Upper
128	100		
129	11.1	11.2	16.8#
127	13.1	11.6	17.4

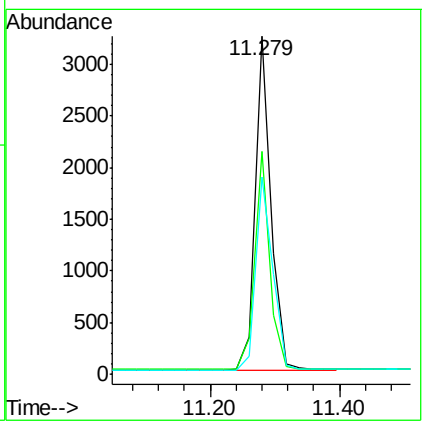


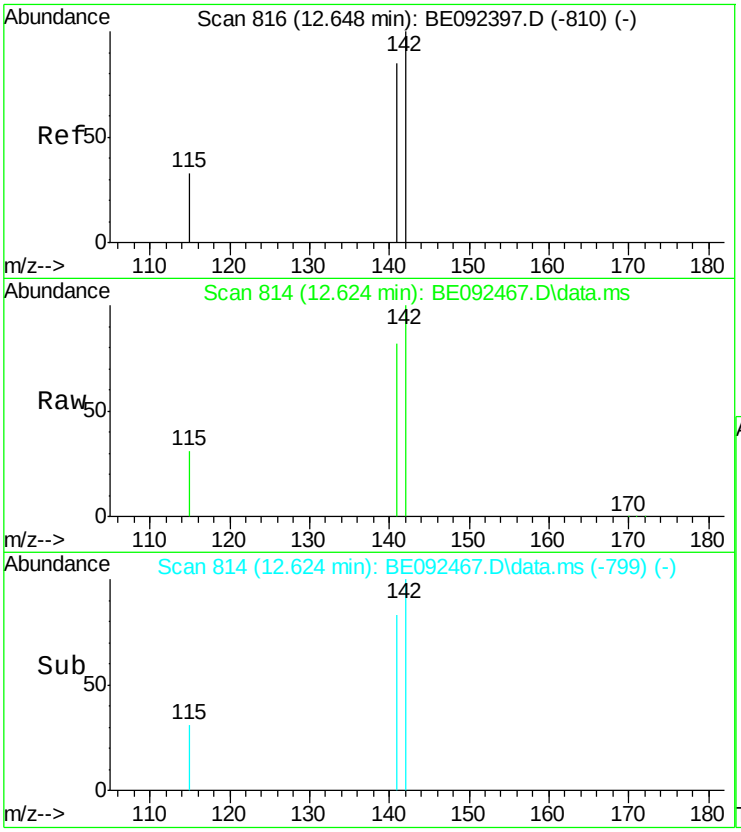


#10
Hexachlorobutadiene
Concen: 3.61 ng
RT: 11.279 min Scan# 725
Delta R.T. -0.019 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:225 Resp: 5484

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	62.7	51.4	77.0



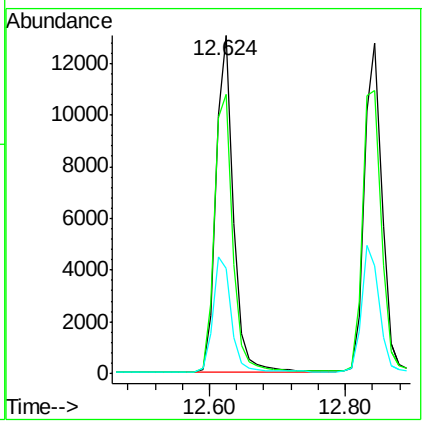


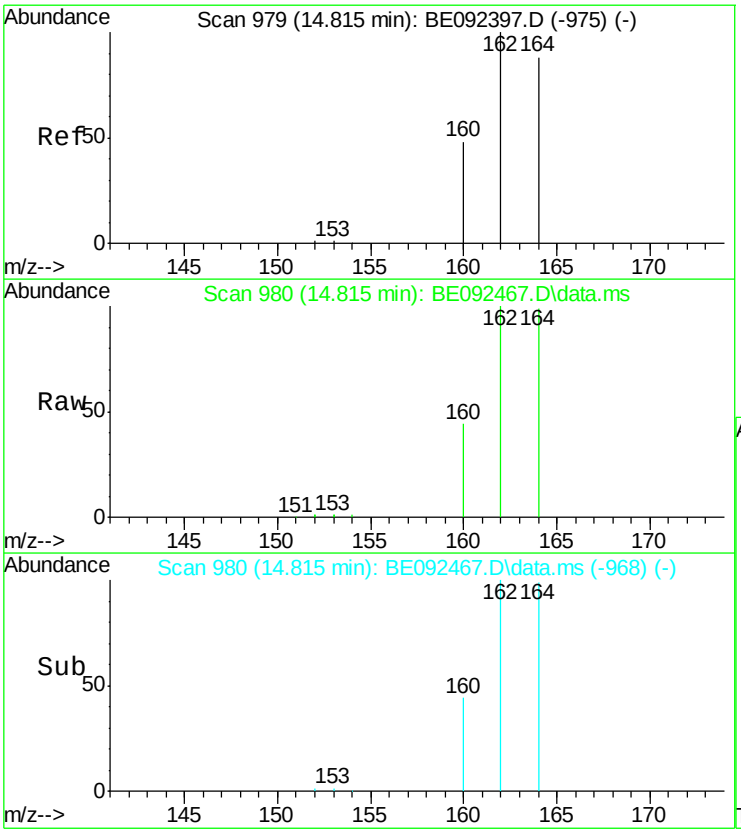
#11
2-Methylnaphthalene
Concen: 3.70 ng
RT: 12.624 min Scan# 81
Delta R.T. -0.023 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:142 Resp: 23653

Ion	Ratio	Lower	Upper
142	100		
141	82.5	73.7	110.5
115	31.0	34.0	51.0#

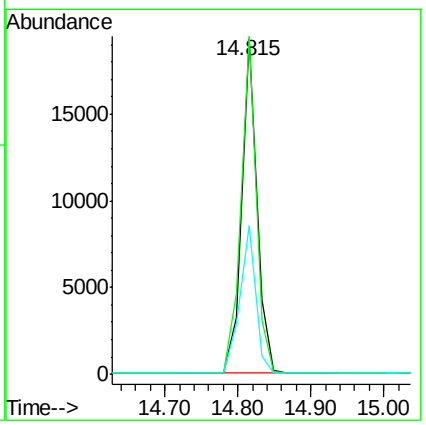


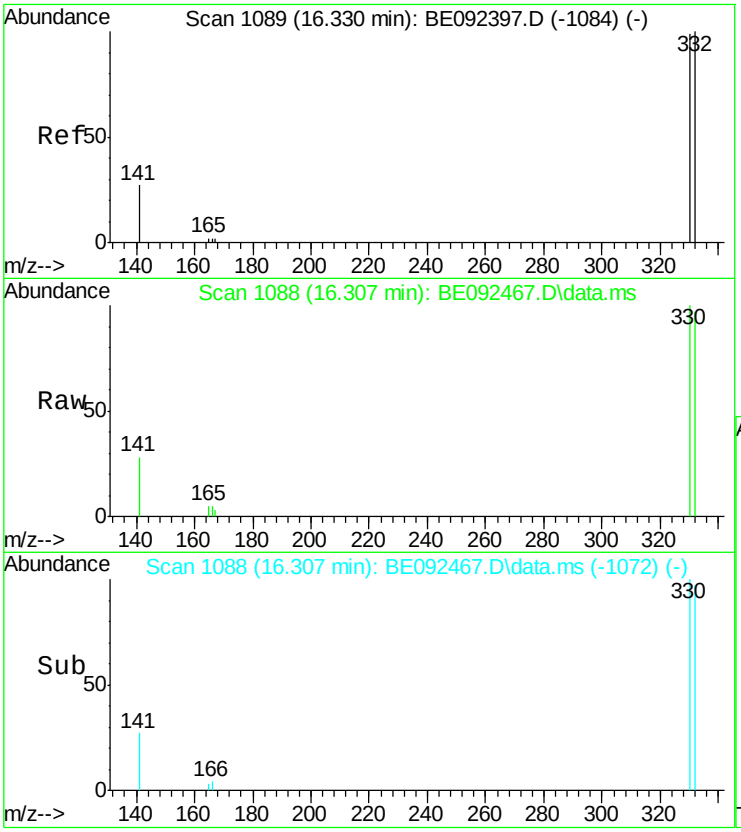


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.815 min Scan# 980
Delta R.T. -0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:164 Resp: 27686

Ion	Ratio	Lower	Upper
164	100		
162	100.6	71.4	107.0
160	44.3	27.4	41.2#



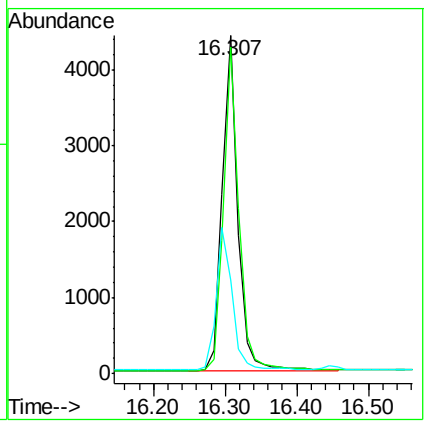


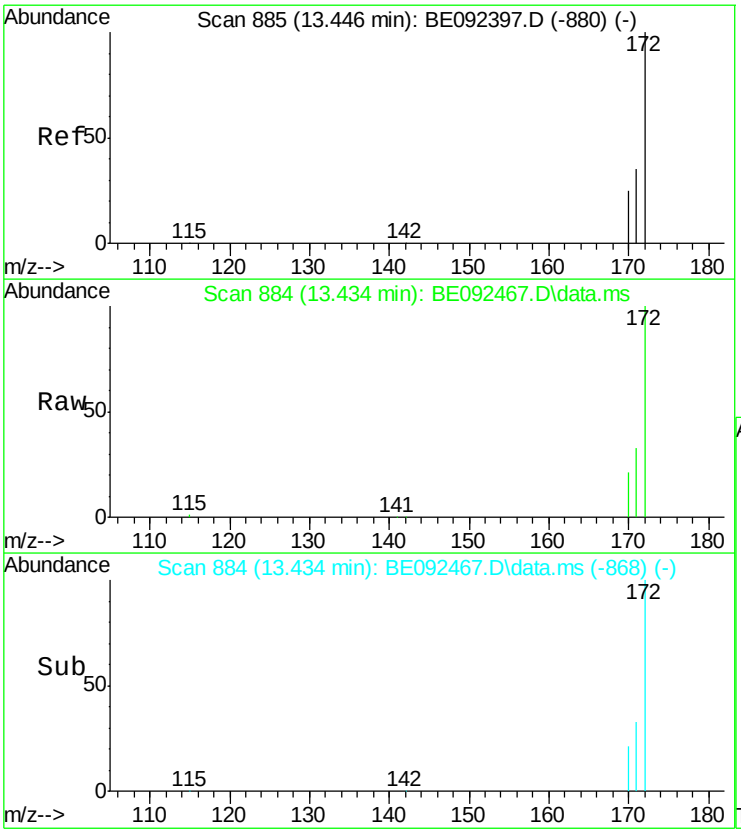
#13
2,4,6-Tribromophenol
Concen: 6.78 ng
RT: 16.307 min Scan# 10
Delta R.T. -0.011 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:330 Resp: 6626

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.4	113.0
141	43.3	31.0	46.6

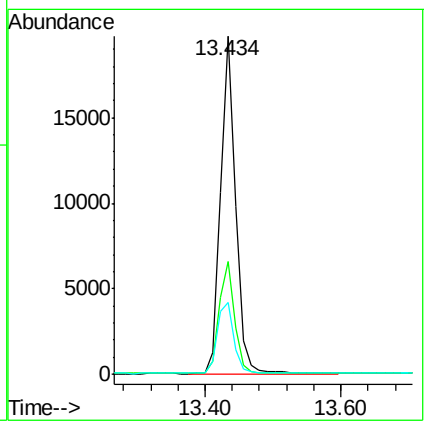


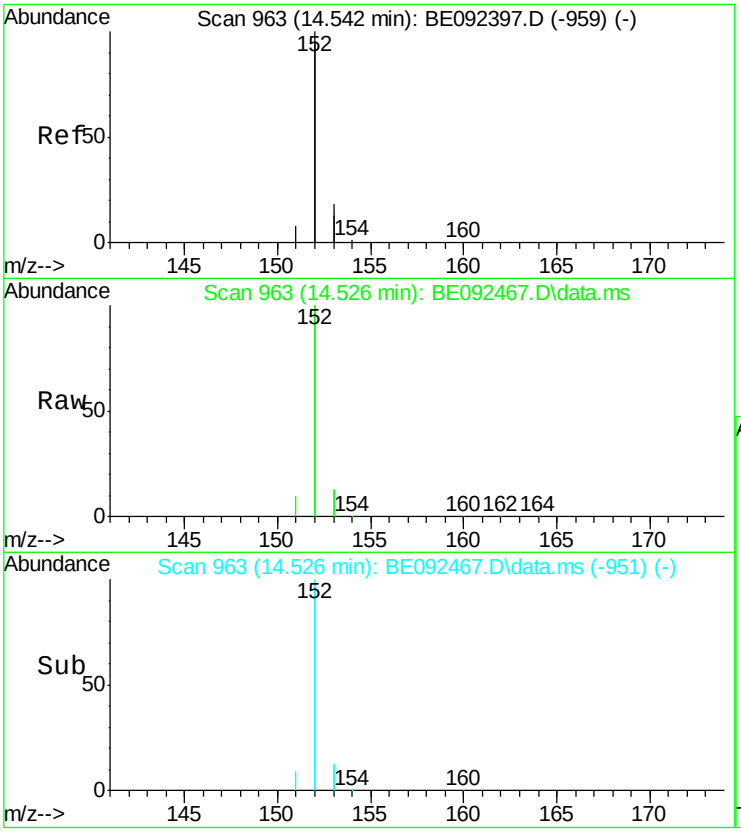


#14
2-Fluorobiphenyl
Concen: 4.71 ng
RT: 13.434 min Scan# 884
Delta R.T. -0.012 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:172 Resp: 30897

Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.1	45.1
170	21.4	21.8	32.6#



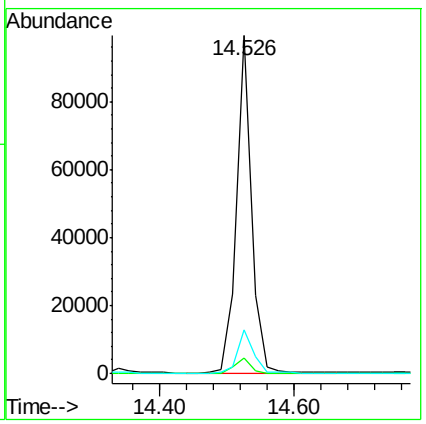


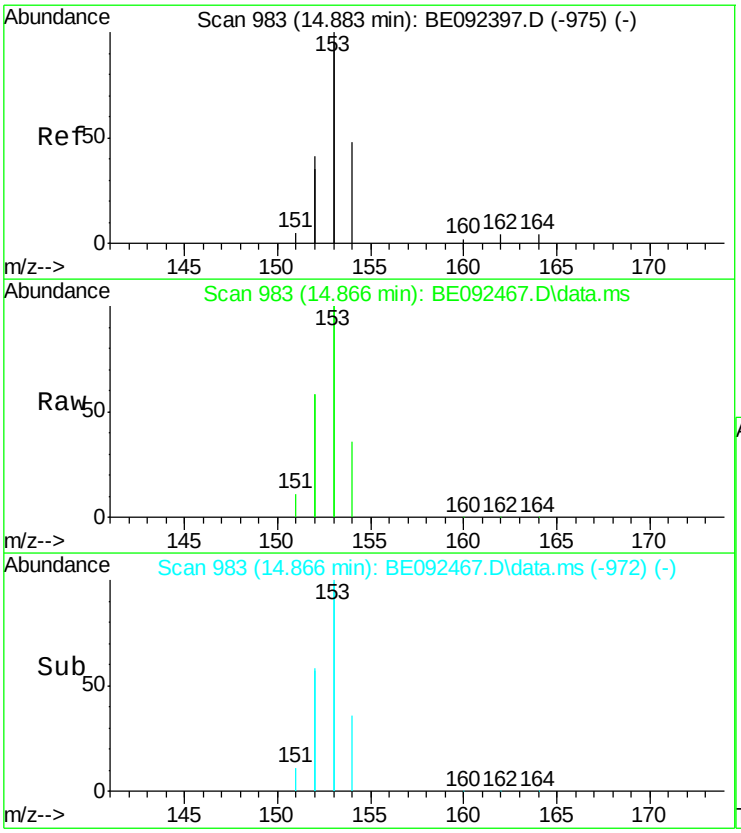
#15
Acenaphthylene
Concen: 3.81 ng
RT: 14.526 min Scan# 96
Delta R.T. -0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 152881

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.4	15.6

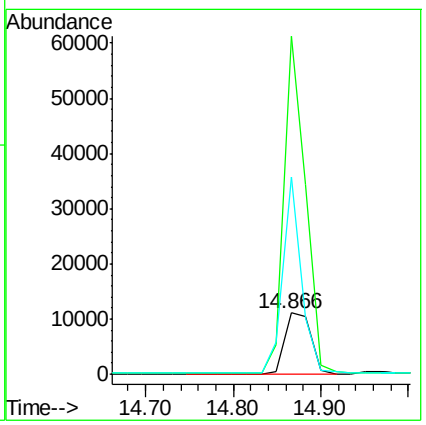


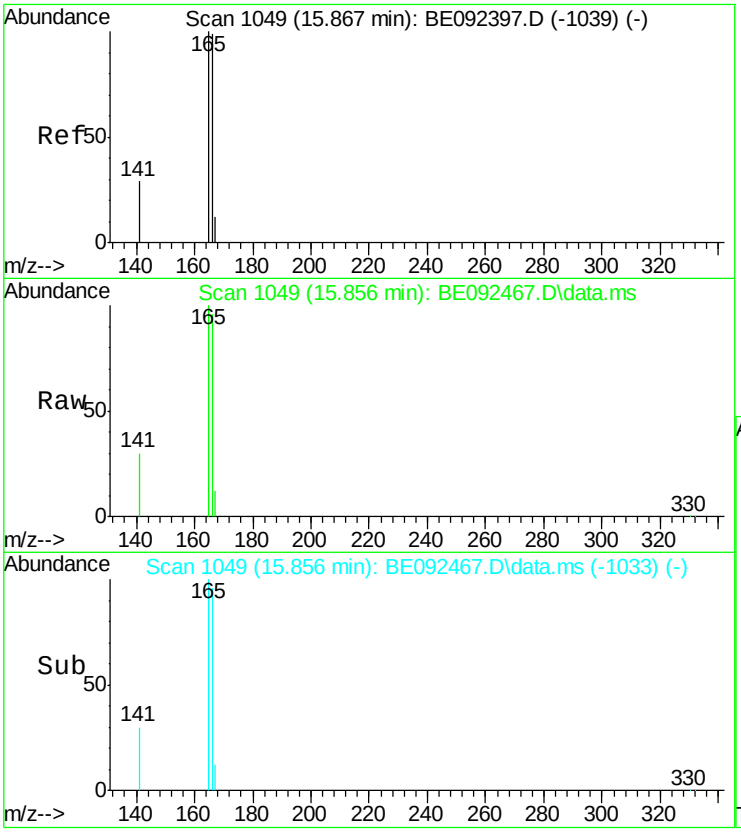


#16
Acenaphthene
Concen: 3.69 ng
RT: 14.866 min Scan# 983
Delta R.T. -0.017 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:154 Resp: 23159

Ion	Ratio	Lower	Upper
154	100		
153	453.0	350.8	526.2
152	229.7	171.1	256.7



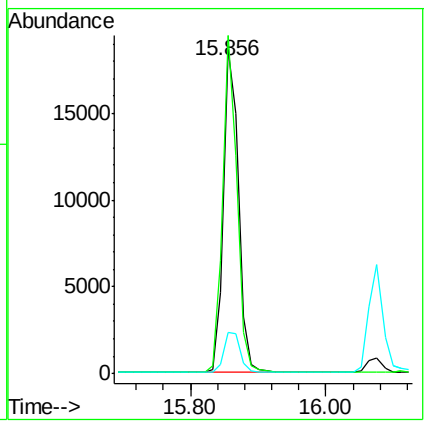


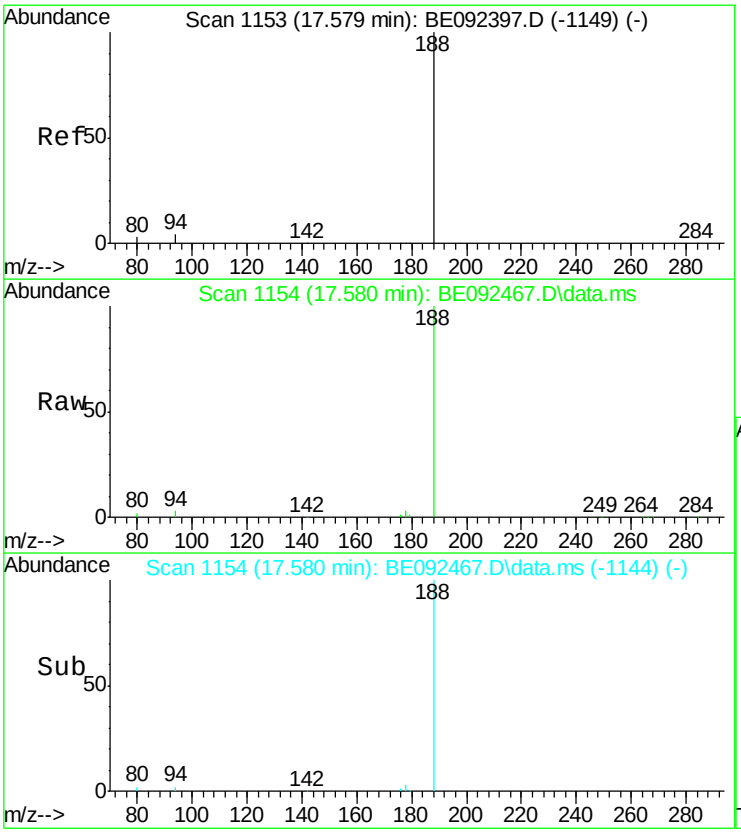
#17
Fluorene
Concen: 3.73 ng
RT: 15.856 min Scan# 10
Delta R.T. -0.012 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:166 Resp: 29670

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.2	117.4
167	13.6	11.0	16.4

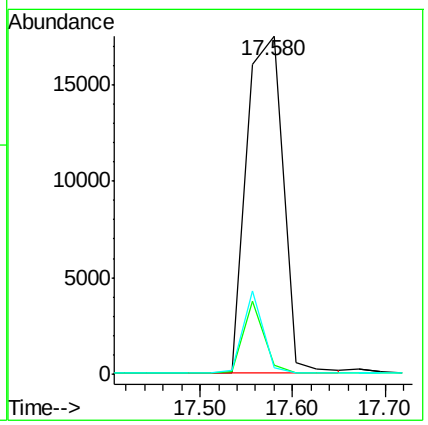


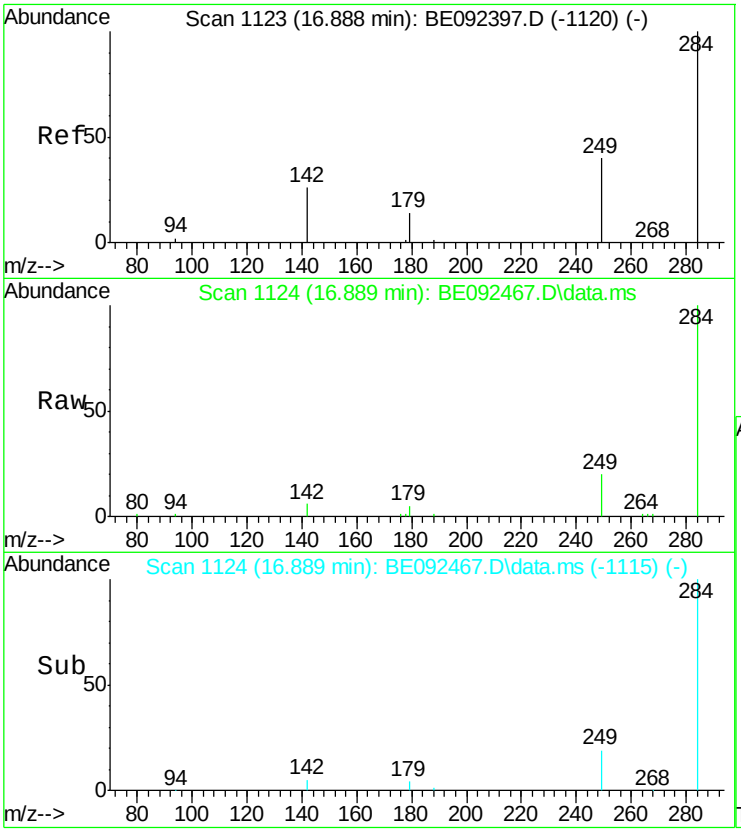


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.580 min Scan# 1154
Delta R.T. 0.023 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:188 Resp: 47501

Ion	Ratio	Lower	Upper
188	100		
94	2.5	3.2	4.8#
80	2.1	2.6	3.8#



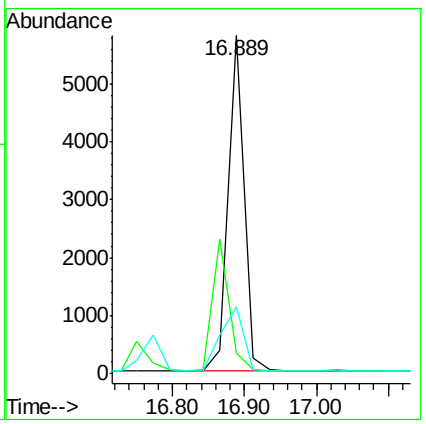


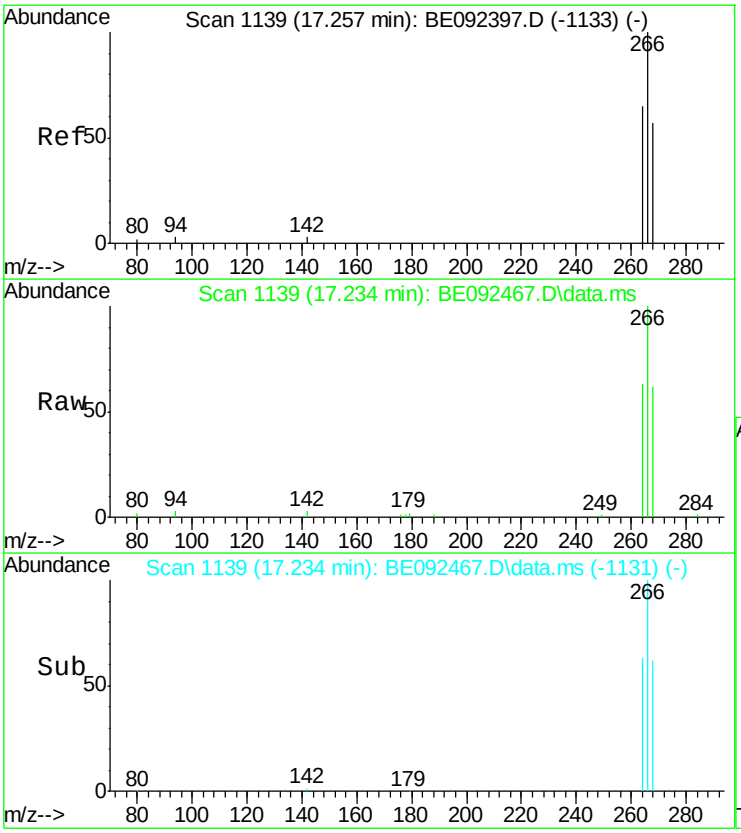
#19
Hexachlorobenzene
Concen: 4.35 ng
RT: 16.889 min Scan# 11
Delta R.T. 0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 8841

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	27.5	27.9	41.9#

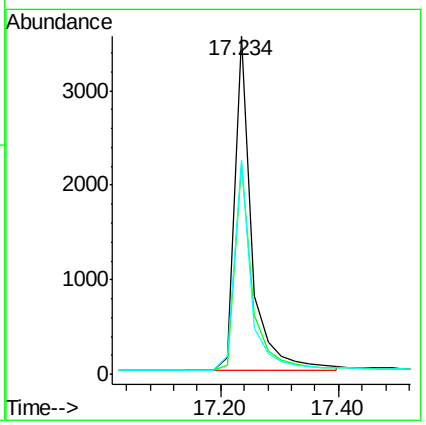


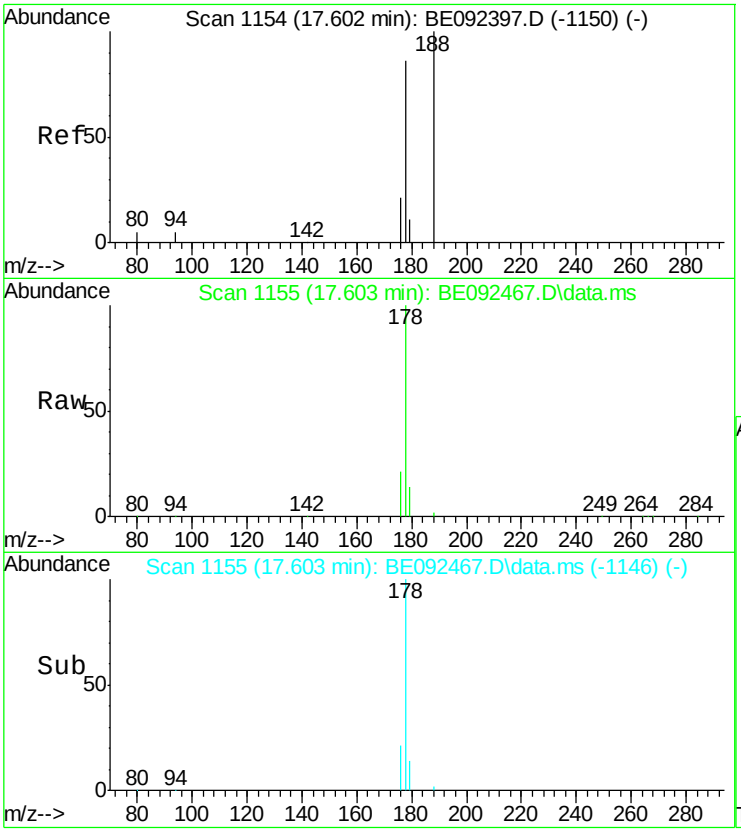


#20
Pentachlorophenol
Concen: 9.50 ng
RT: 17.234 min Scan# 1139
Delta R.T. -0.023 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:266 Resp: 7088

Ion	Ratio	Lower	Upper
266	100		
268	62.2	62.5	93.7#
264	63.5	57.2	85.8



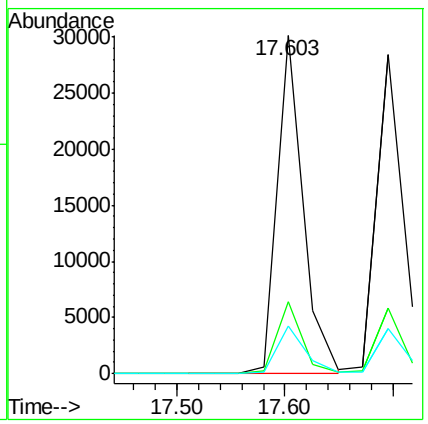


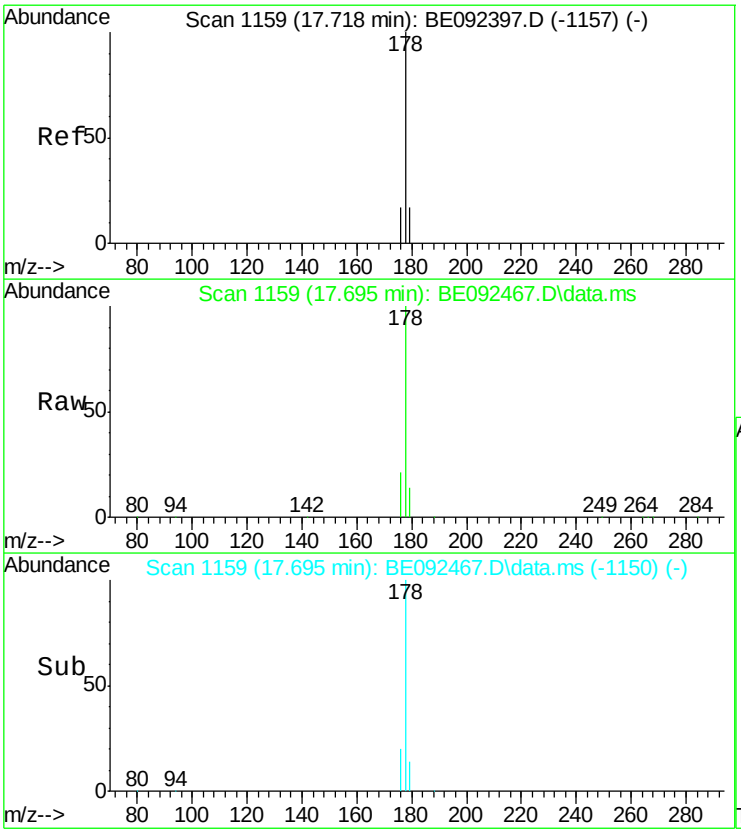
#21
Phenanthrene
Concen: 4.63 ng
RT: 17.603 min Scan# 11
Delta R.T. 0.001 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 50544

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.1	16.0	24.0#

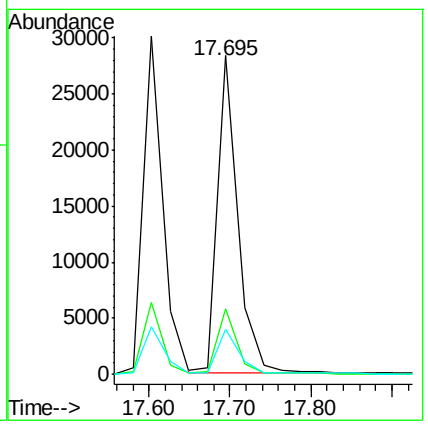


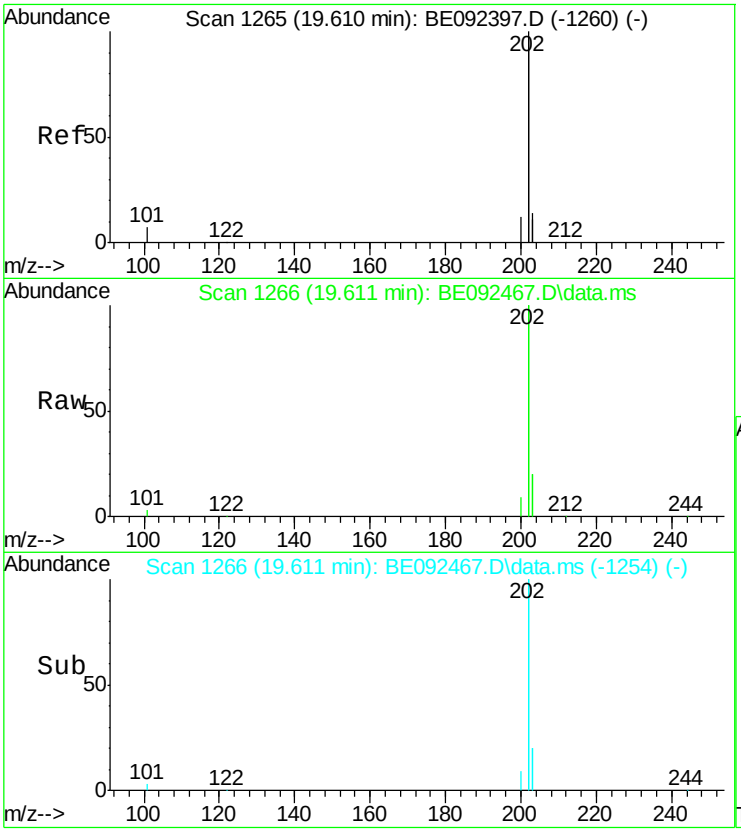


#22
Anthracene
Concen: 4.70 ng
RT: 17.695 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:178 Resp: 49370

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	14.7	12.2	18.2



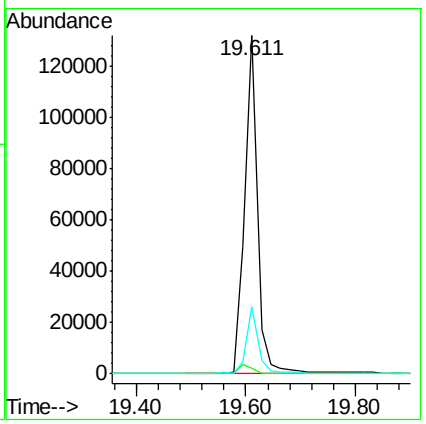


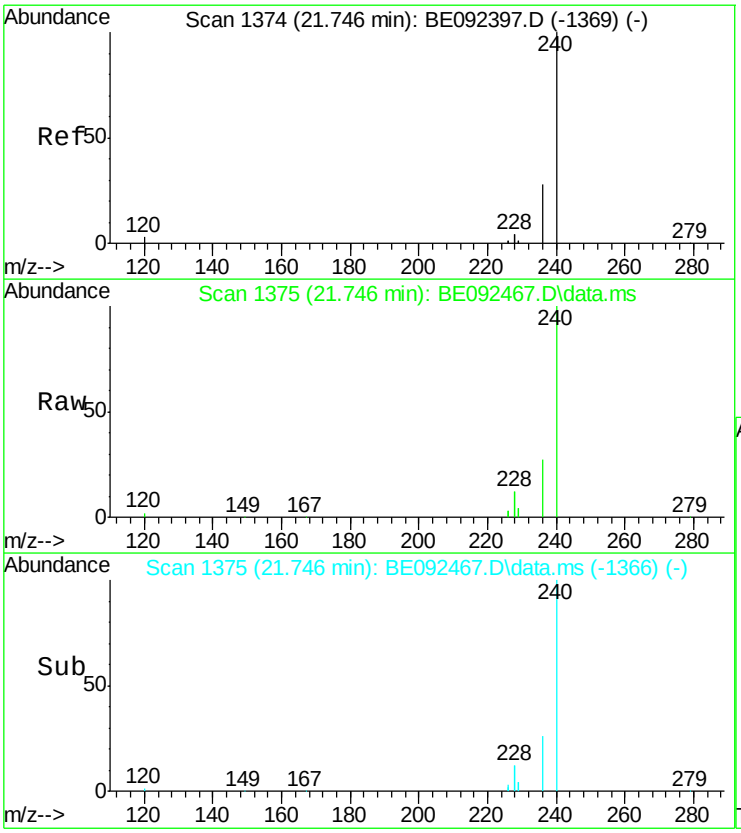
#23
Fluoranthene
Concen: 4.07 ng
RT: 19.611 min Scan# 12
Delta R.T. 0.001 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 211189

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	18.0	13.7	20.5

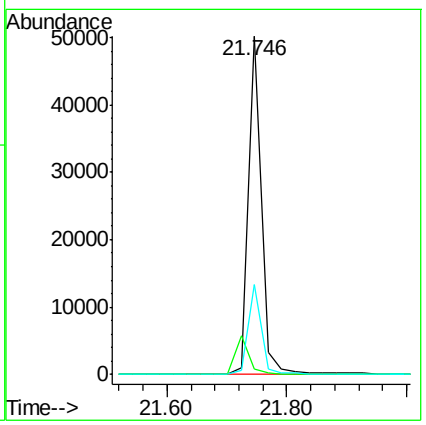


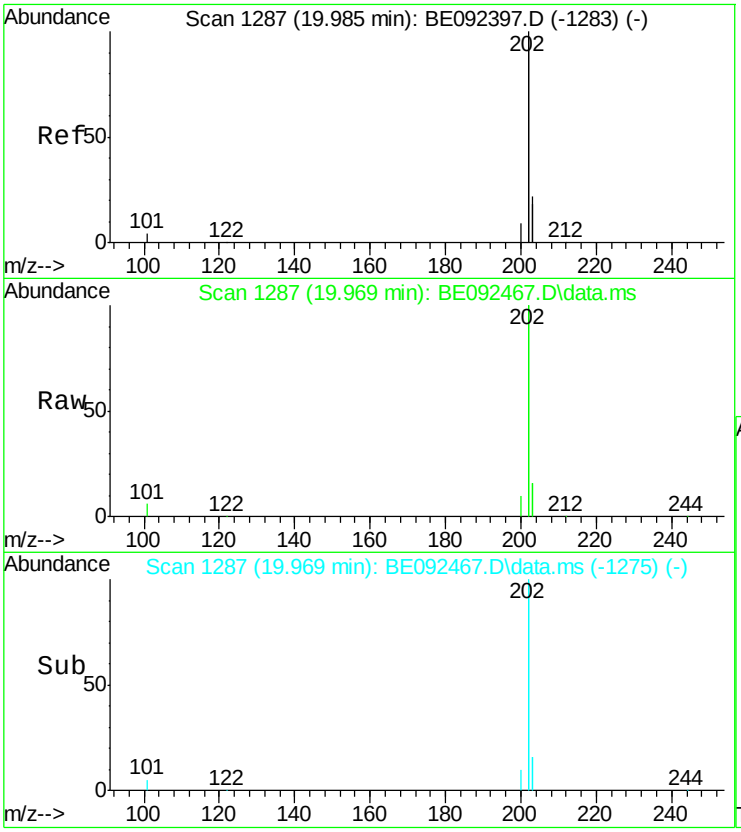


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.746 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:240 Resp: 75887

Ion	Ratio	Lower	Upper
240	100		
120	1.6	2.6	4.0#
236	26.5	24.6	37.0



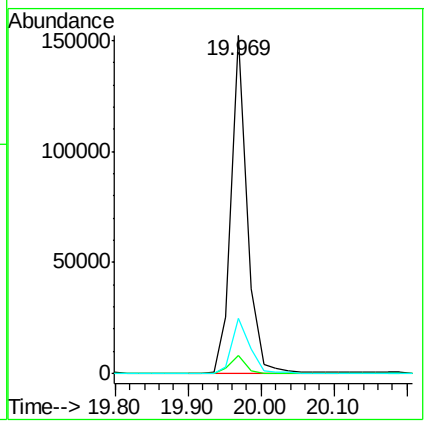


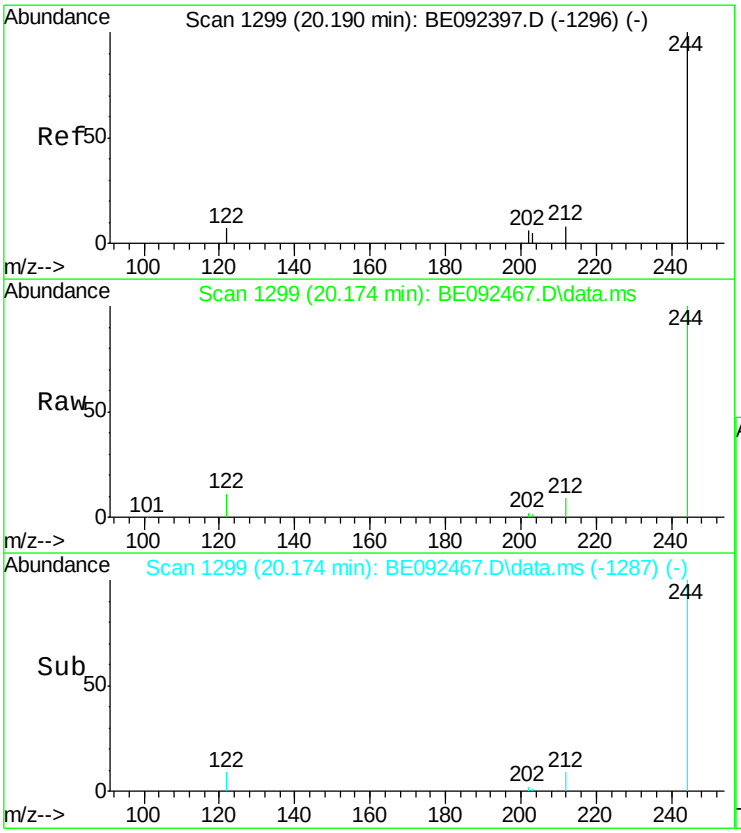
#25
Pyrene
Concen: 3.48 ng
RT: 19.969 min Scan# 12
Delta R.T. 0.001 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 228682

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	18.0	13.9	20.9

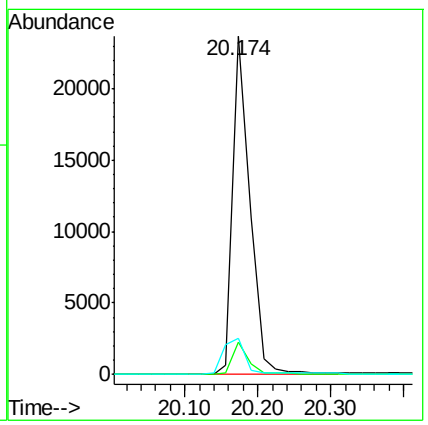


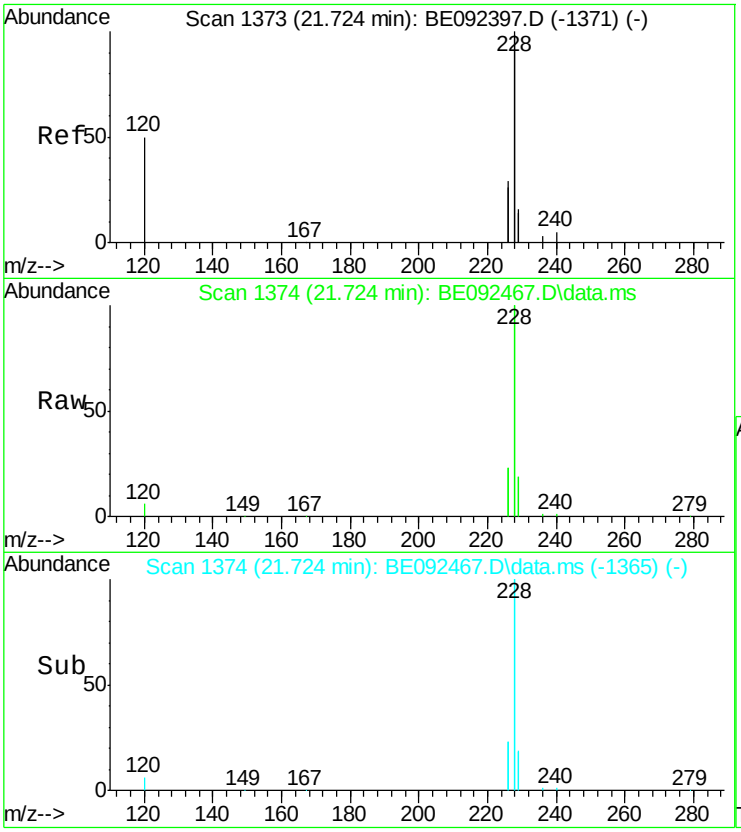


#26
Terphenyl-d14
Concen: 4.01 ng
RT: 20.174 min Scan# 1299
Delta R.T. 0.001 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:244 Resp: 37736

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.7	10.1
122	10.5	3.6	5.4#



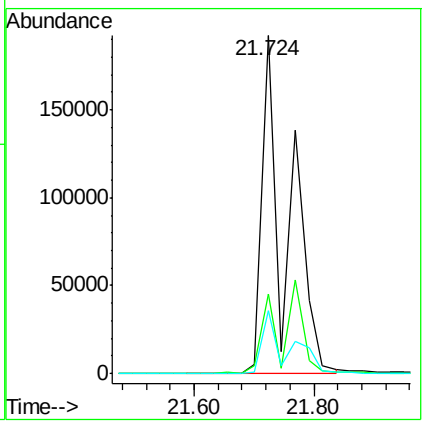


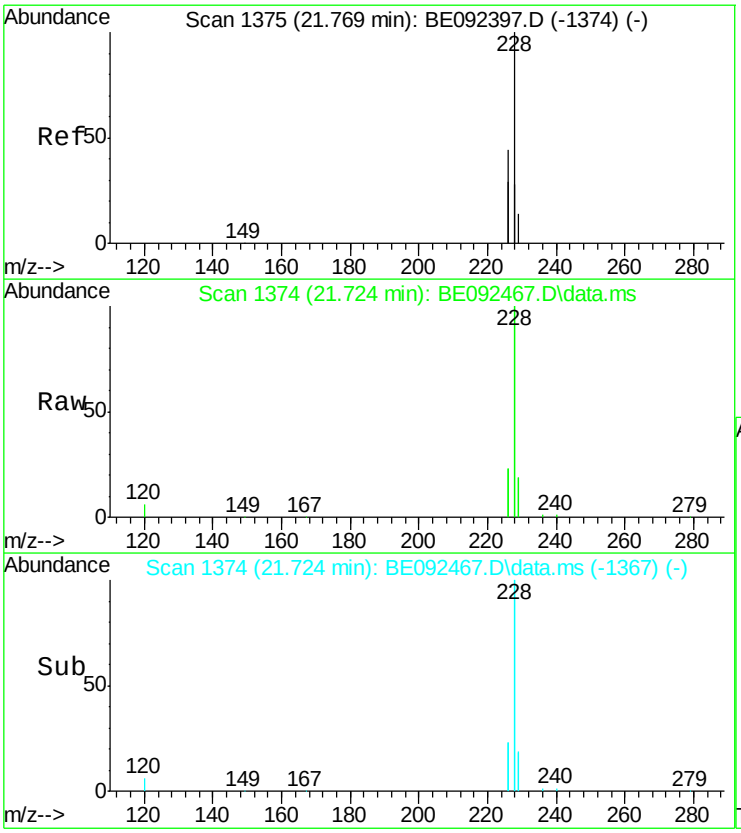
#27
Benzo(a)anthracene
Concen: 7.28 ng
RT: 21.724 min Scan# 13
Delta R.T. -0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 538113

Ion	Ratio	Lower	Upper
228	100		
226	23.4	23.6	35.4#
229	18.7	13.3	19.9

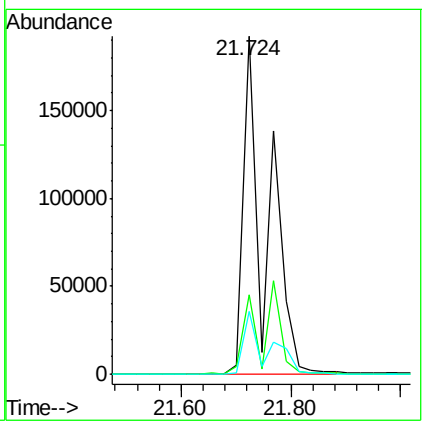


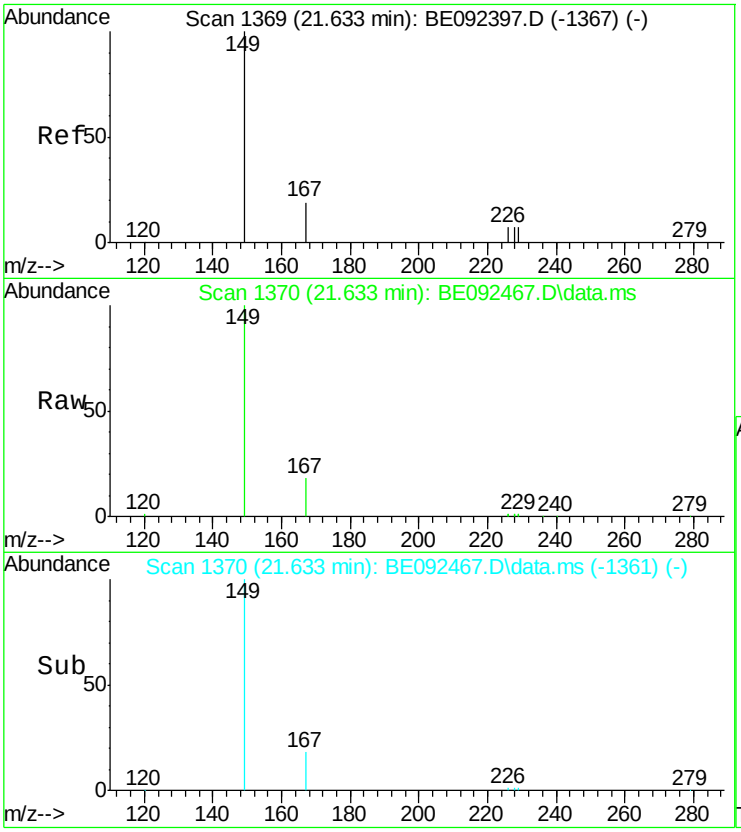


#28
Chrysene
Concen: 7.99 ng
RT: 21.724 min Scan# 1374
Delta R.T. -0.044 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:228 Resp: 541441

Ion	Ratio	Lower	Upper
228	100		
226	23.4	36.3	54.5#
229	18.7	10.6	16.0#



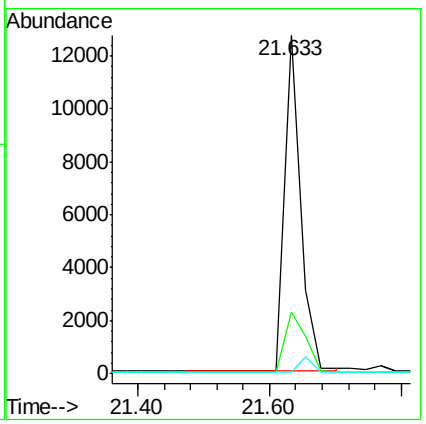


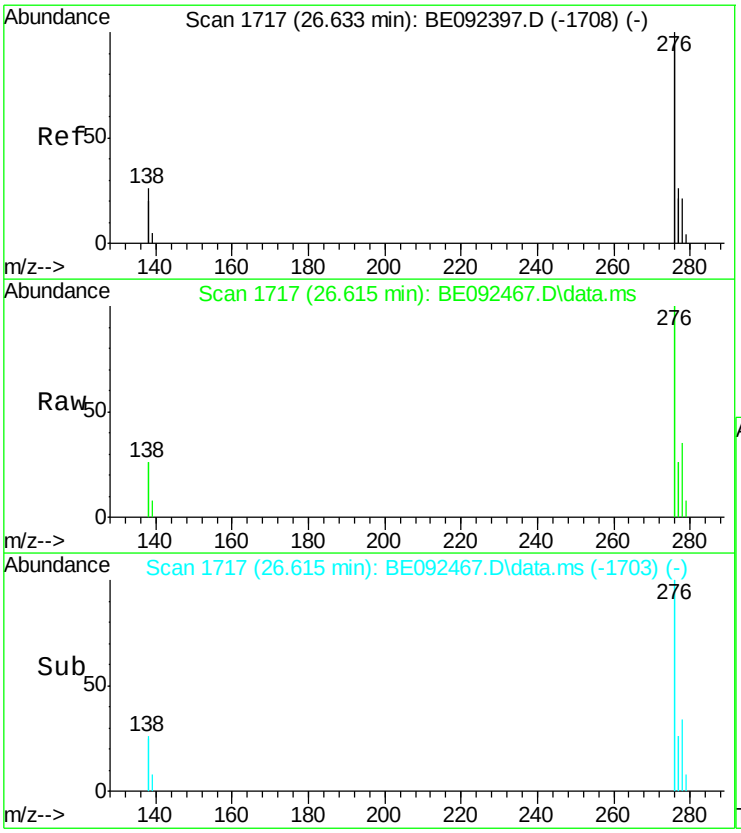
#29
Bis(2-ethylhexyl)phthalate
Concen: 3.42 ng
RT: 21.633 min Scan# 13
Delta R.T. -0.000 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:149 Resp: 21769

Ion	Ratio	Lower	Upper
149	100		
167	22.9	16.0	24.0
279	0.0	16.0	24.0#

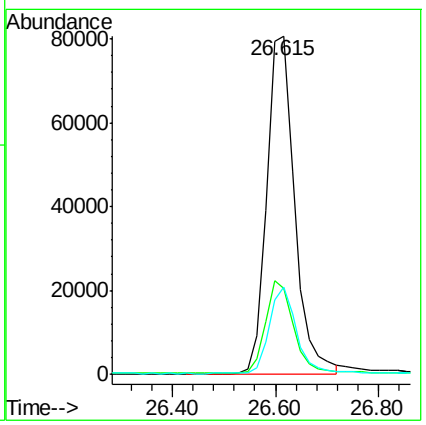


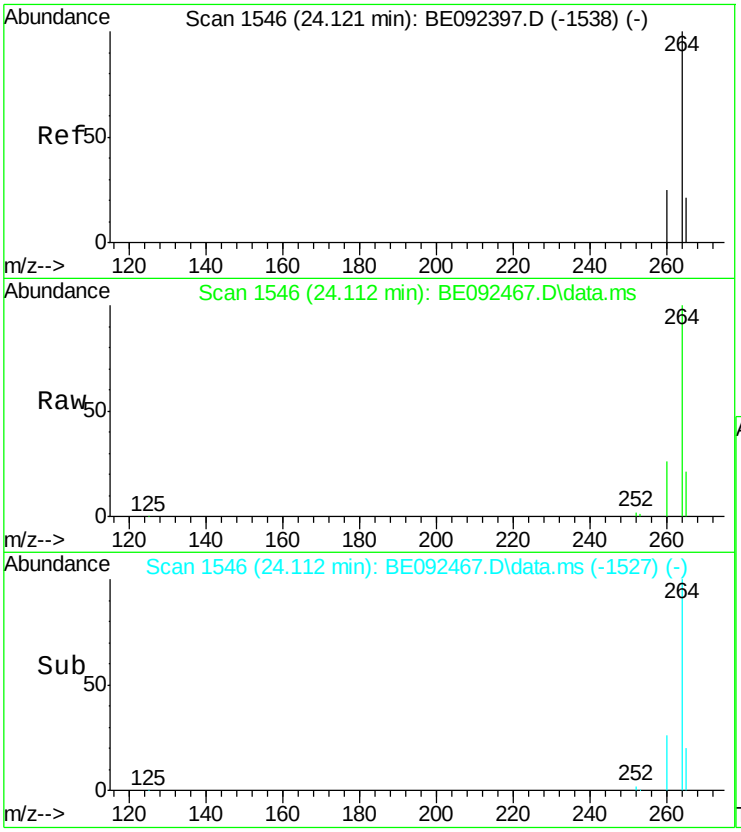


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.19 ng
RT: 26.615 min Scan# 1717
Delta R.T. 0.034 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:276 Resp: 300936

Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.3	30.5
277	24.7	19.7	29.5



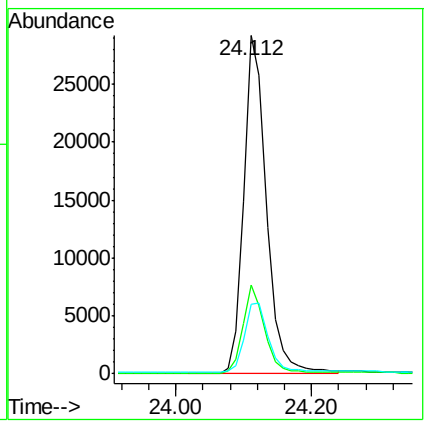


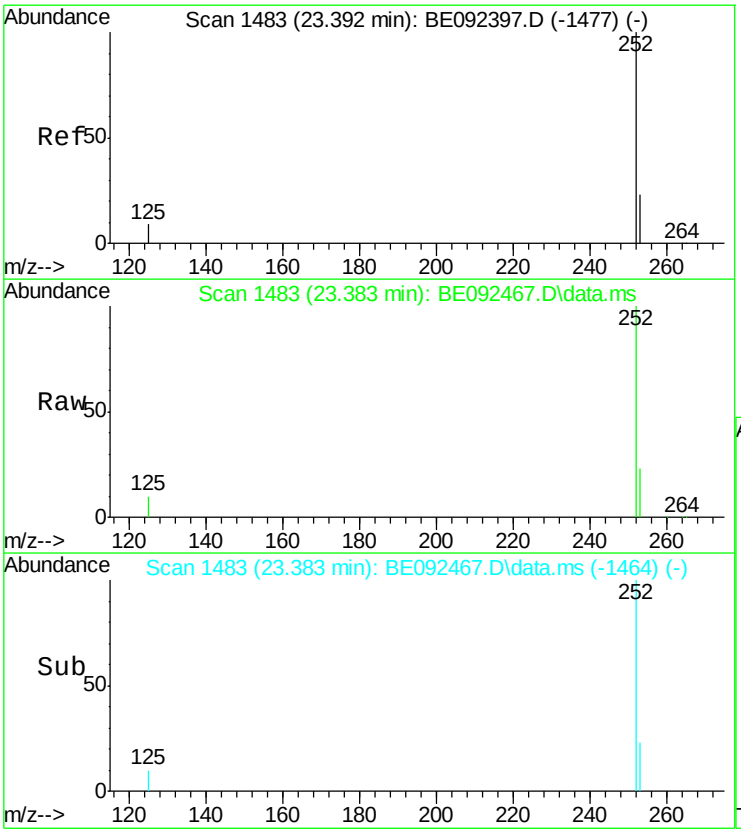
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.112 min Scan# 15
Delta R.T. 0.025 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:264 Resp: 66734

Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.1	30.1
265	20.7	17.9	26.9

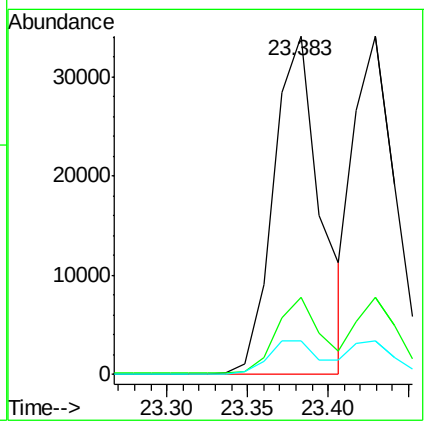


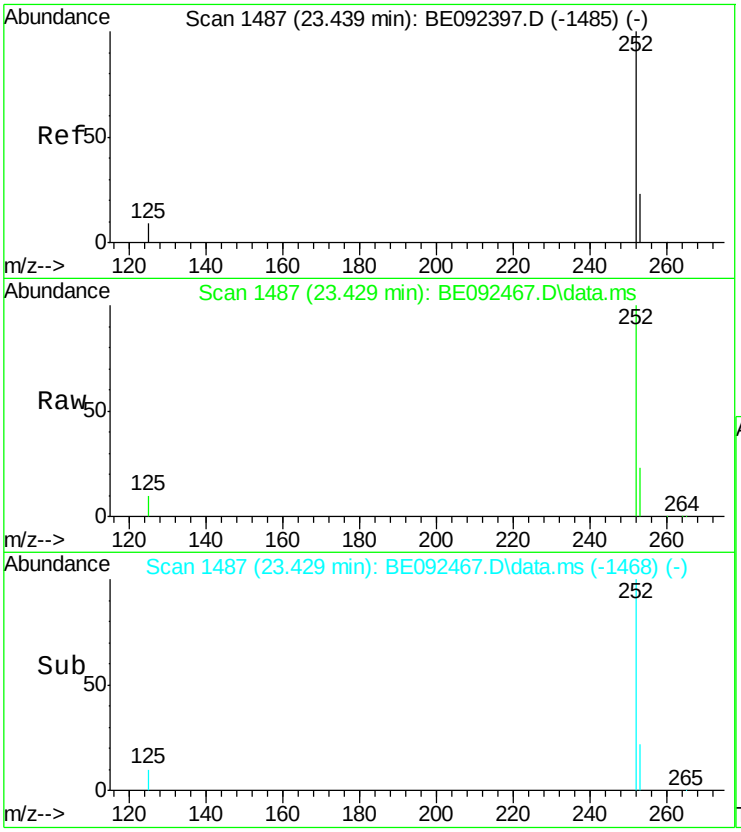


#32
Benzo(b)fluoranthene
Concen: 4.27 ng
RT: 23.383 min Scan# 1483
Delta R.T. 0.025 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:252 Resp: 69050

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	9.9	10.5	15.7#



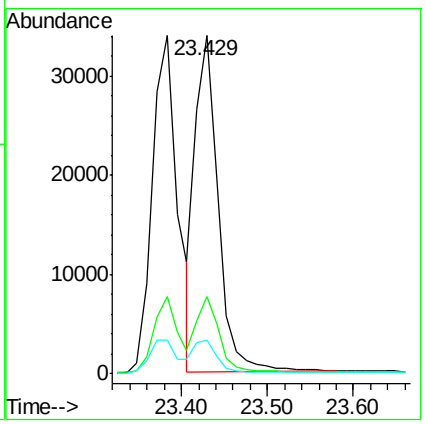


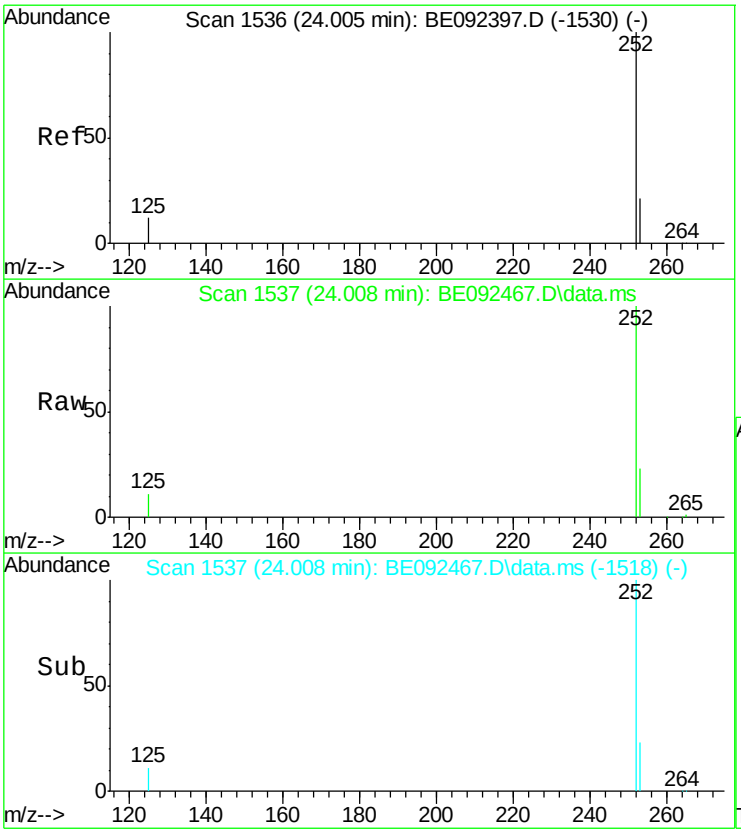
#33
Benzo(k)fluoranthene
Concen: 3.72 ng
RT: 23.429 min Scan# 14
Delta R.T. 0.025 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 62858

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.3	30.5
125	10.1	9.6	14.4

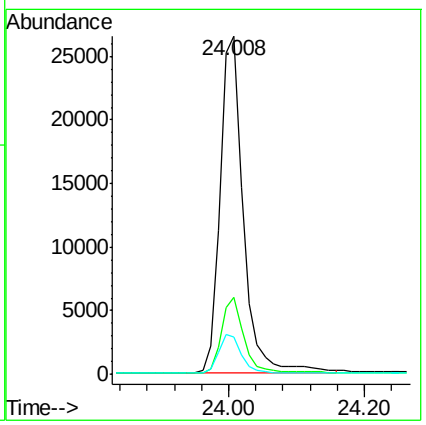


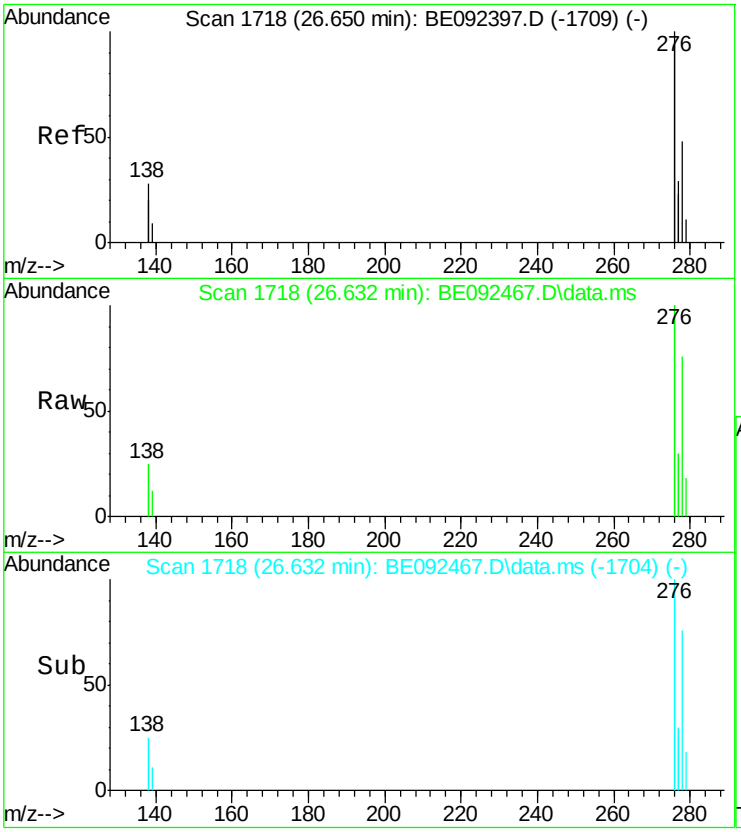


#34
Benzo(a)pyrene
Concen: 4.05 ng
RT: 24.008 min Scan# 1537
Delta R.T. 0.025 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:252 Resp: 64113

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.0	28.6
125	11.1	11.8	17.8#



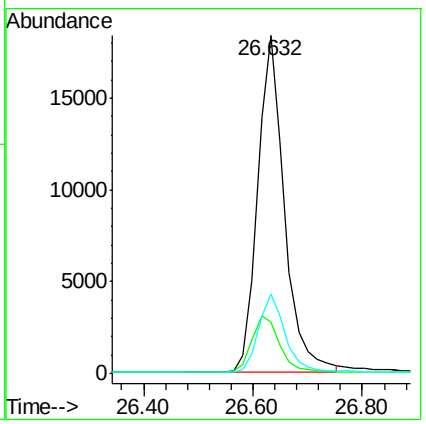


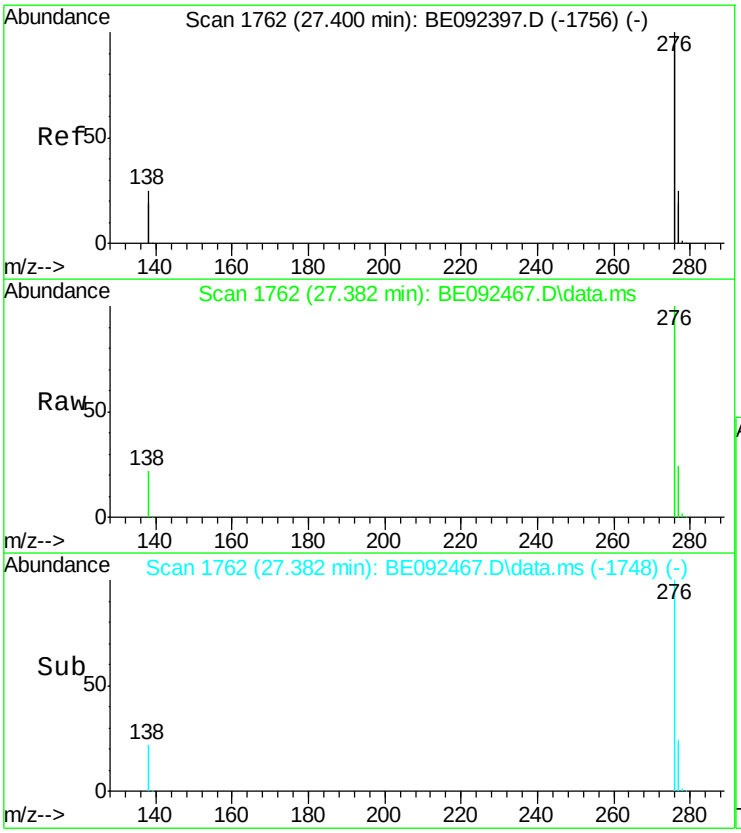
#35
Dibenzo(a,h)anthracene
Concen: 4.32 ng
RT: 26.632 min Scan# 17
Delta R.T. 0.034 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:278 Resp: 62760

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.8	20.8
279	23.7	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 4.18 ng
RT: 27.382 min Scan# 1762
Delta R.T. 0.034 min
Lab File: BE092467.D
Acq: 21 Oct 2016 15:08

Tgt Ion:276 Resp: 260877

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.8
138	22.3	19.8	29.6