Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\Data\Be102116\
Data File : BE092468.D
Acq On : 21 Oct 2016 15:44
Operator : UM/SJ
Sample : PB94258BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Oct 21 16:56:48 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	8.166	152	10698	5.00	ng		-0.02
7) Naphthalene-d8	10.951	136	45714	5.00	ng		0.00
12) Acenaphthene-d10	14.815	164	28555	5.00	ng		0.00
18) Phenanthrene-d10	17.579	188	49474	5.00	ng		0.02
24) Chrysene-d12	21.747	240	74381	5.00	ng		0.00
31) Perylene-d12	24.122	264	65026	5.00	ng		0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.670	112	20082	7.96	ng		-0.02
5) Phenol-d6	7.336	99	26040	7.24	ng		-0.02
8) Nitrobenzene-d5	9.340	82	13152	4.03	ng		-0.02
13) 2,4,6-Tribromophenol	16.308	330	6616	6.57	ng		0.00
14) 2-Fluorobiphenyl	13.433	172	30671	4.54	ng		-0.01
26) Terphenyl-d14	20.172	244	36506	3.96	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.409	88	4327	3.75	ng	#	80
3) n-Nitrosodimethylamine	3.756	42	6669	3.97	ng	#	96
6) bis(2-Chloroethyl)ether	7.590	93	10426	3.71	ng	#	27
9) Naphthalene	10.990	128	37119	3.75	ng	#	95
10) Hexachlorobutadiene	11.278	225	5546	3.56	ng		100
11) 2-Methylnaphthalene	12.623	142	24429	3.73	ng	#	89
15) Acenaphthylene	14.525	152	160211	3.87	ng		100
16) Acenaphthene	14.866	154	23918	3.69	ng		89
17) Fluorene	15.857	166	31331	3.82	ng		99
19) Hexachlorobenzene	16.888	284	9078	4.29	ng	#	63
20) Pentachlorophenol	17.233	266	7410	9.53	ng	#	86
21) Phenanthrene	17.602	178	51479	4.53	ng	#	94
22) Anthracene	17.694	178	50695	4.64	ng		99
23) Fluoranthene	19.610	202	221682	4.10	ng		99
25) Pyrene	19.968	202	238390	3.70	ng		99
27) Benzo(a)anthracene	21.725	228	553709	7.64	ng	#	88
28) Chrysene	21.725	228	556980	8.39	ng	#	69
29) Bis(2-ethylhexyl)phtha...	21.634	149	22732	3.64	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.616	276	299502	4.25	ng		98
32) Benzo(b)fluoranthene	23.382	252	67497	4.29	ng	#	95
33) Benzo(k)fluoranthene	23.428	252	65346	3.96	ng		94
34) Benzo(a)pyrene	24.007	252	64439	4.18	ng	#	95
35) Dibenzo(a,h)anthracene	26.633	278	62756	4.44	ng		95
36) Benzo(g,h,i)perylene	27.383	276	260307	4.28	ng		97

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

Quantitation Report (Not Reviewed)

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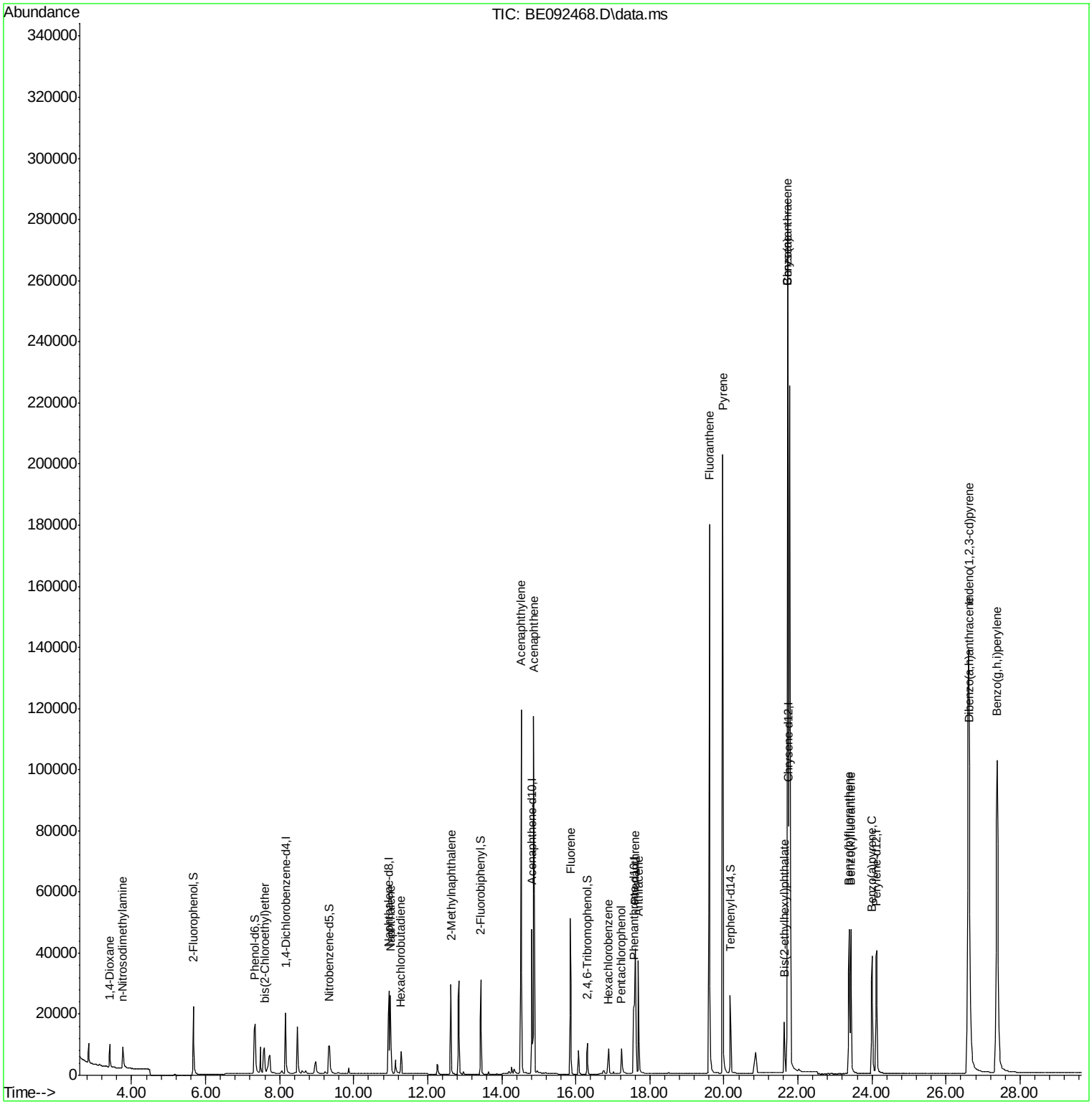
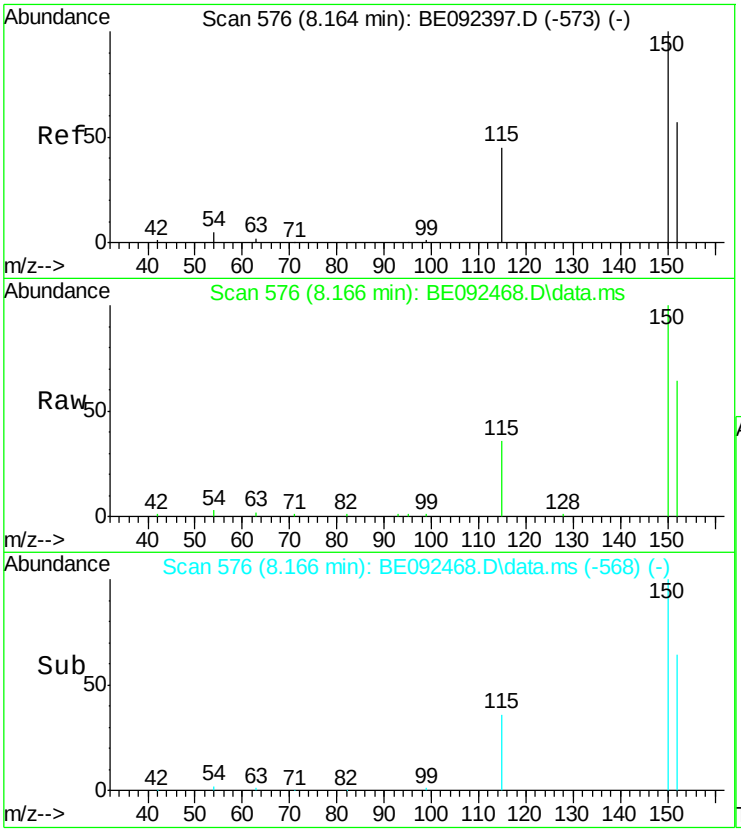
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Oct 21 16:56:48 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



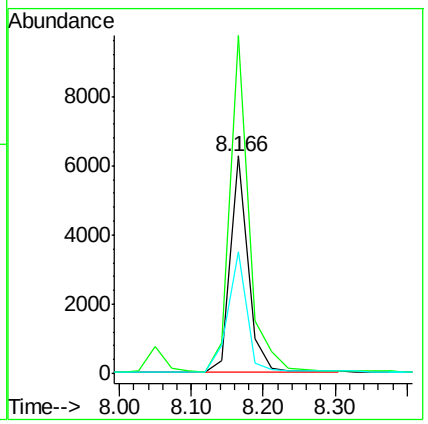


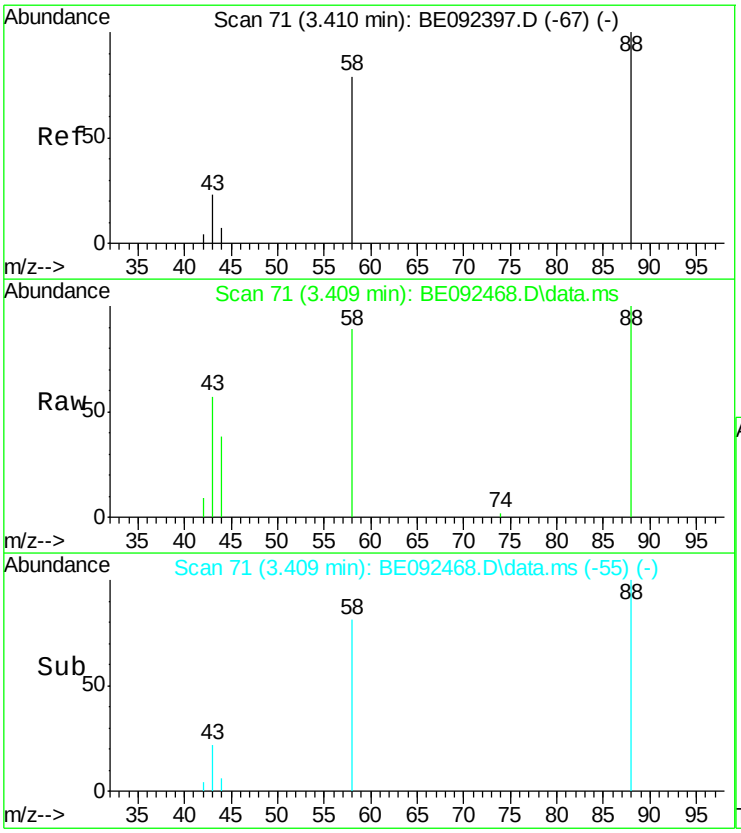
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.166 min Scan# 57
Delta R.T. -0.022 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 10698

Ion	Ratio	Lower	Upper
152	100		
150	155.3	106.0	159.0
115	55.8	31.2	46.8#

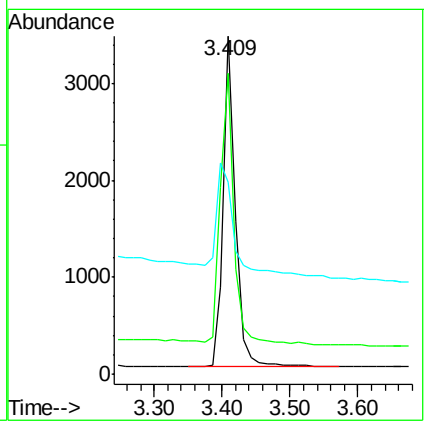


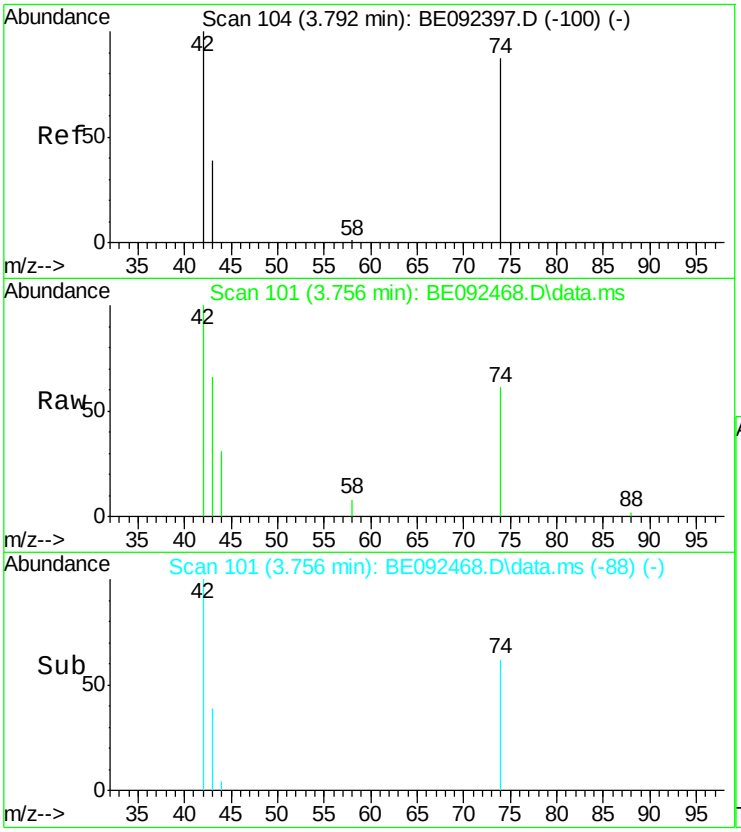


#2
1,4-Dioxane
Concen: 3.75 ng
RT: 3.409 min Scan# 71
Delta R.T. -0.012 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion: 88 Resp: 4327

Ion	Ratio	Lower	Upper
88	100		
58	91.7	63.6	95.4
43	53.9	28.0	42.0#



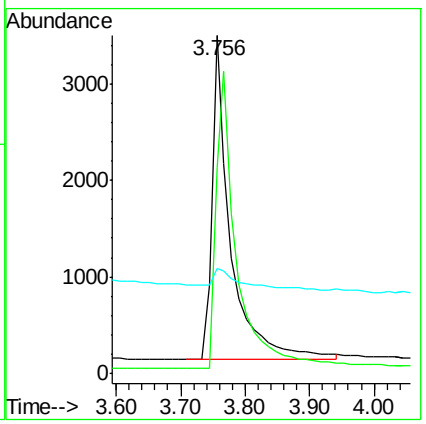


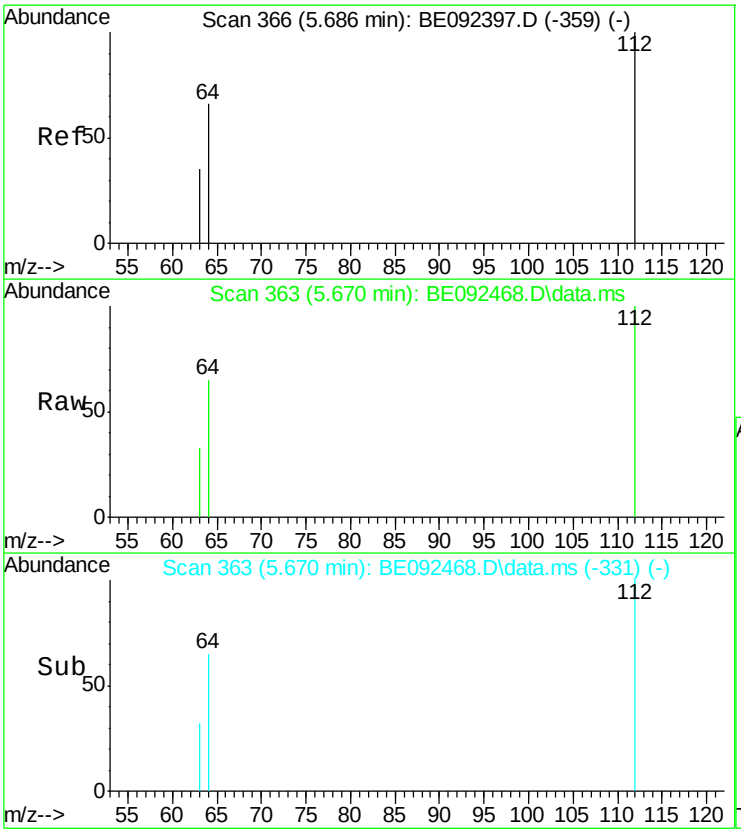
#3
n-Nitrosodimethylamine
Concen: 3.97 ng
RT: 3.756 min Scan# 10
Delta R.T. -0.046 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 6669

Ion	Ratio	Lower	Upper
42	100		
74	103.4	86.0	129.0
44	10.2	5.1	7.7#

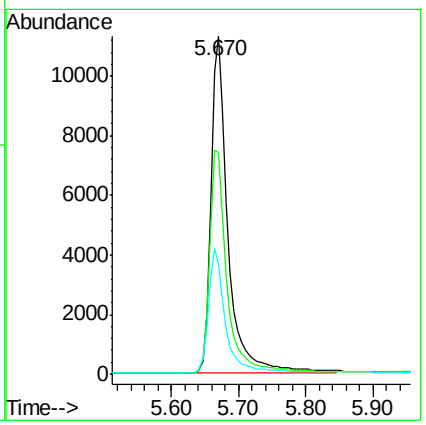


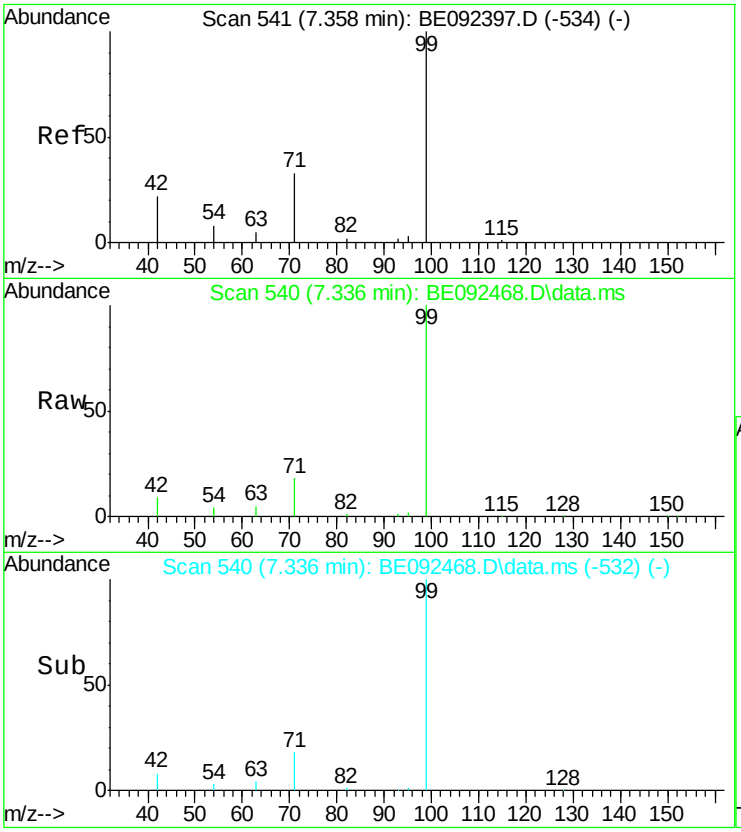


#4
2-Fluorophenol
Concen: 7.96 ng
RT: 5.670 min Scan# 363
Delta R.T. -0.016 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:112 Resp: 20082

Ion	Ratio	Lower	Upper
112	100		
64	68.1	53.5	80.3
63	36.6	27.9	41.9



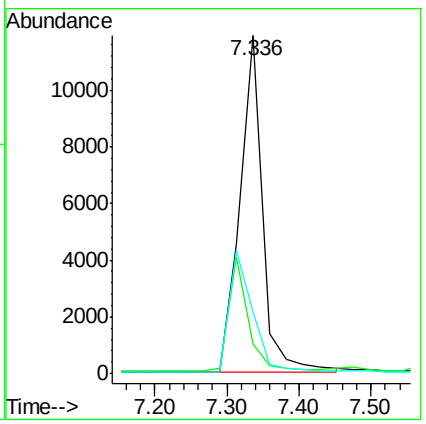


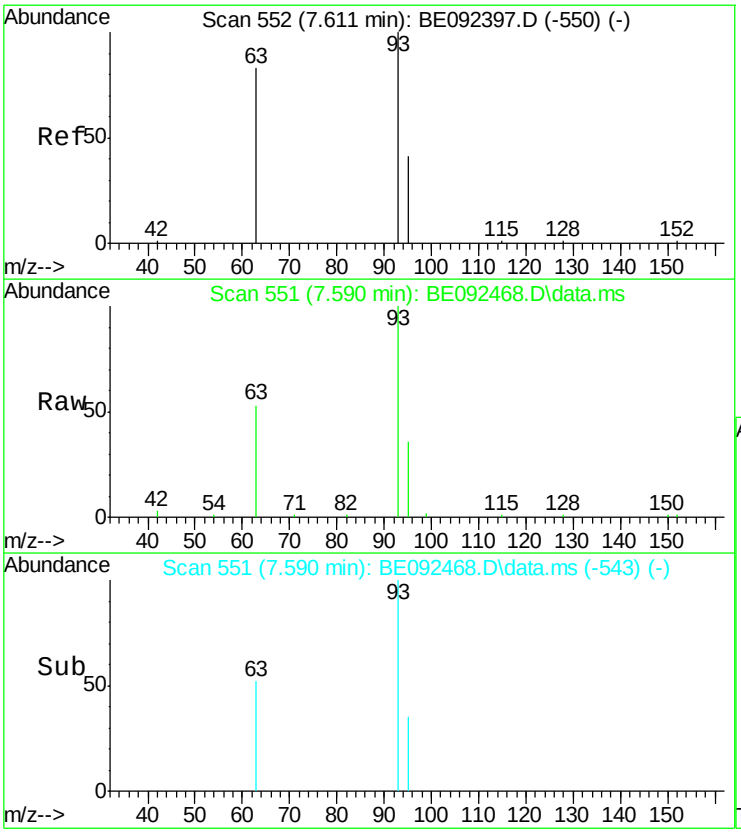
#5
Phenol-d6
Concen: 7.24 ng
RT: 7.336 min Scan# 54
Delta R.T. -0.022 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 26040

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

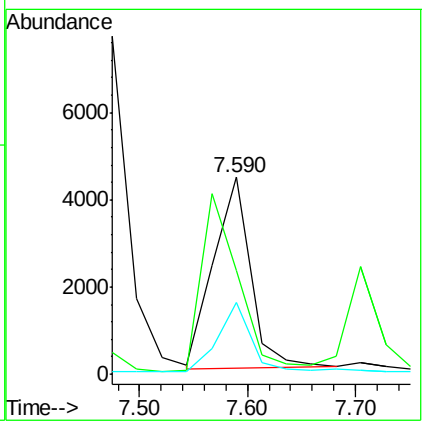


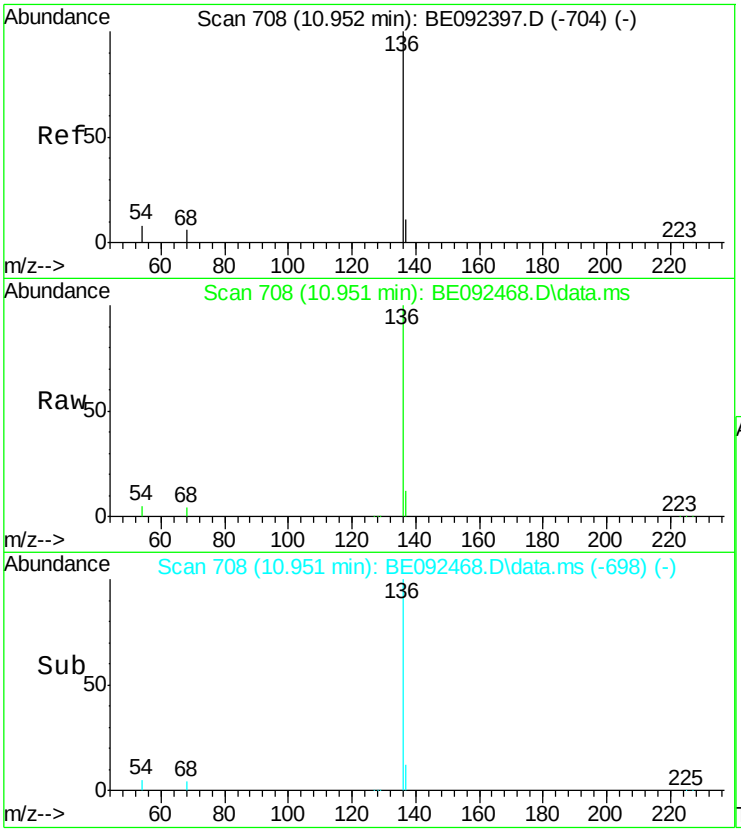


#6
bis(2-Chloroethyl)ether
Concen: 3.71 ng
RT: 7.590 min Scan# 551
Delta R.T. -0.021 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion: 93 Resp: 10426

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	34.0	24.0	36.0



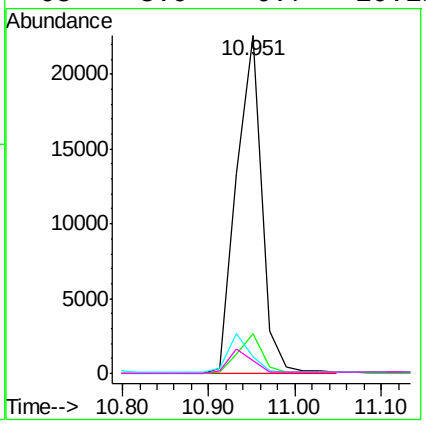


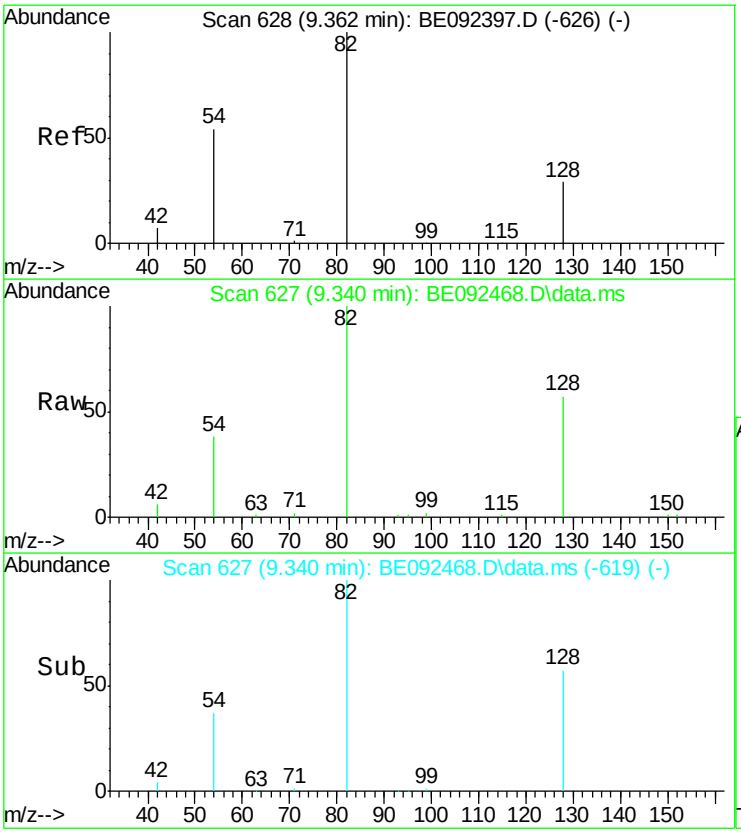
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.951 min Scan# 70
Delta R.T. -0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 45714

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	4.9	9.6	14.4#
68	3.9	6.7	10.1#

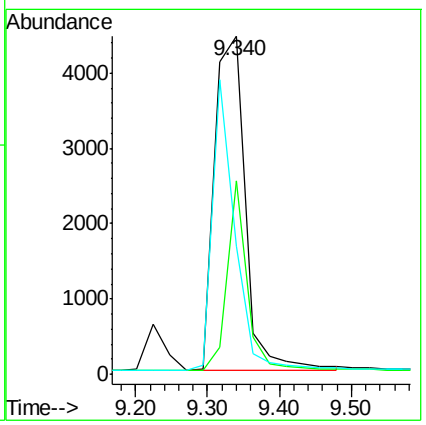


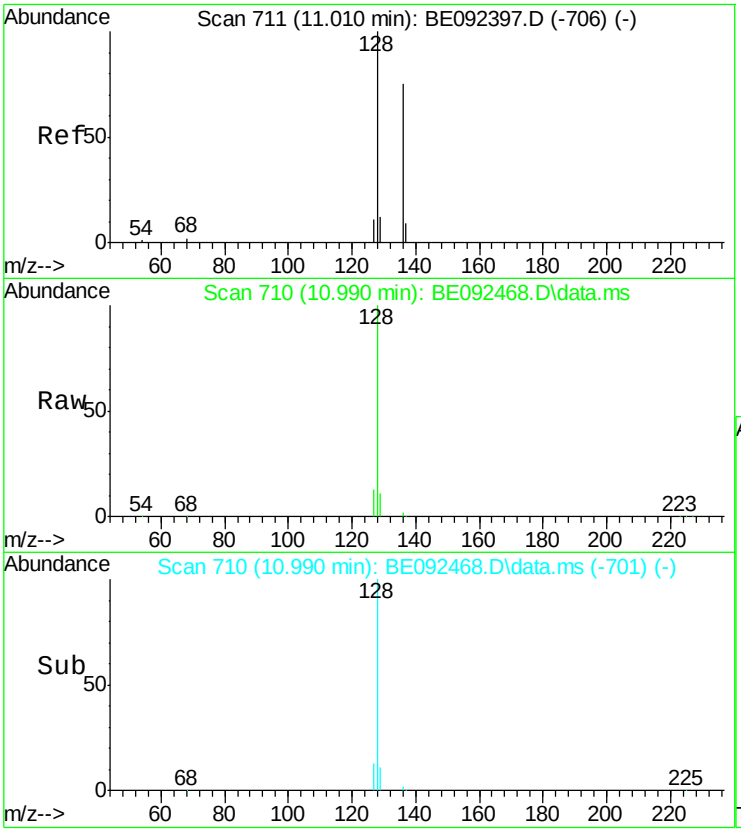


#8
Nitrobenzene-d5
Concen: 4.03 ng
RT: 9.340 min Scan# 627
Delta R.T. -0.022 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion: 82 Resp: 13152

Ion	Ratio	Lower	Upper
82	100		
128	57.2	39.0	58.4
54	37.8	44.8	67.2#



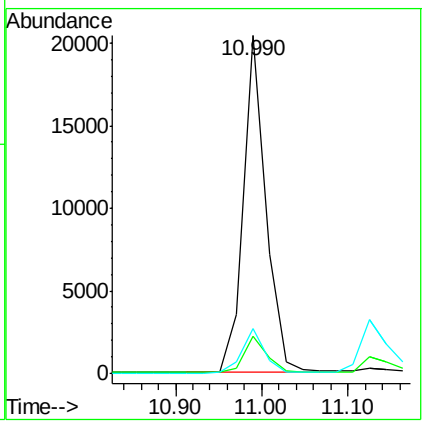


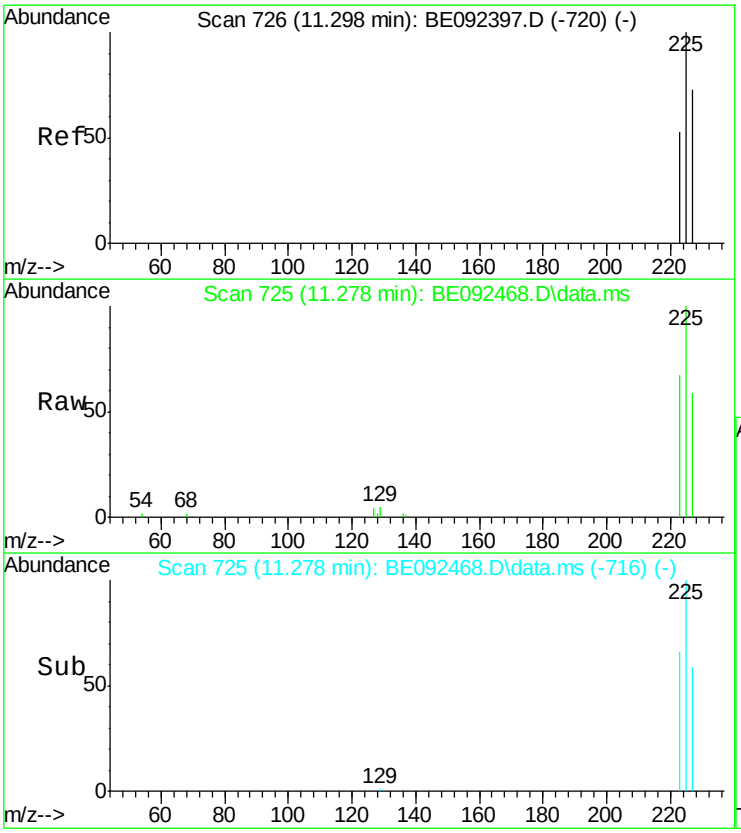
#9
Naphthalene
Concen: 3.75 ng
RT: 10.990 min Scan# 71
Delta R.T. -0.020 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 37119

Ion	Ratio	Lower	Upper
128	100		
129	11.0	11.2	16.8#
127	13.2	11.6	17.4

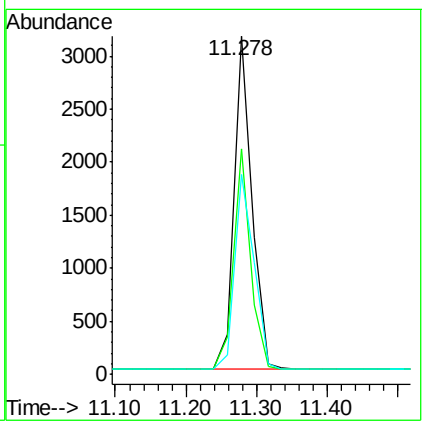


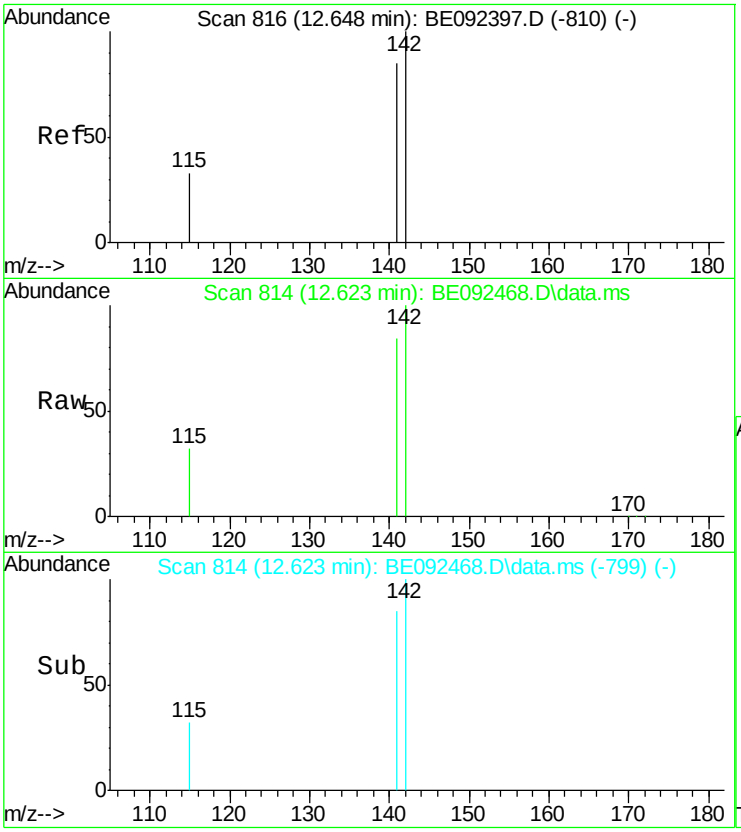


#10
Hexachlorobutadiene
Concen: 3.56 ng
RT: 11.278 min Scan# 725
Delta R.T. -0.020 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:225 Resp: 5546

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	63.8	51.4	77.0



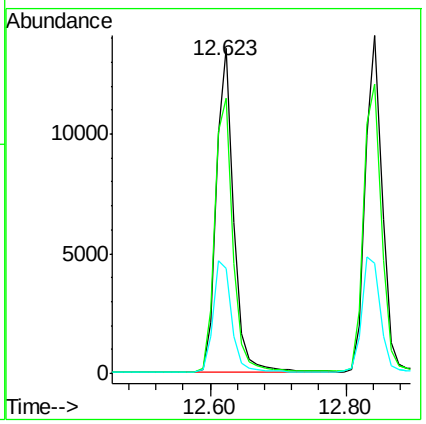


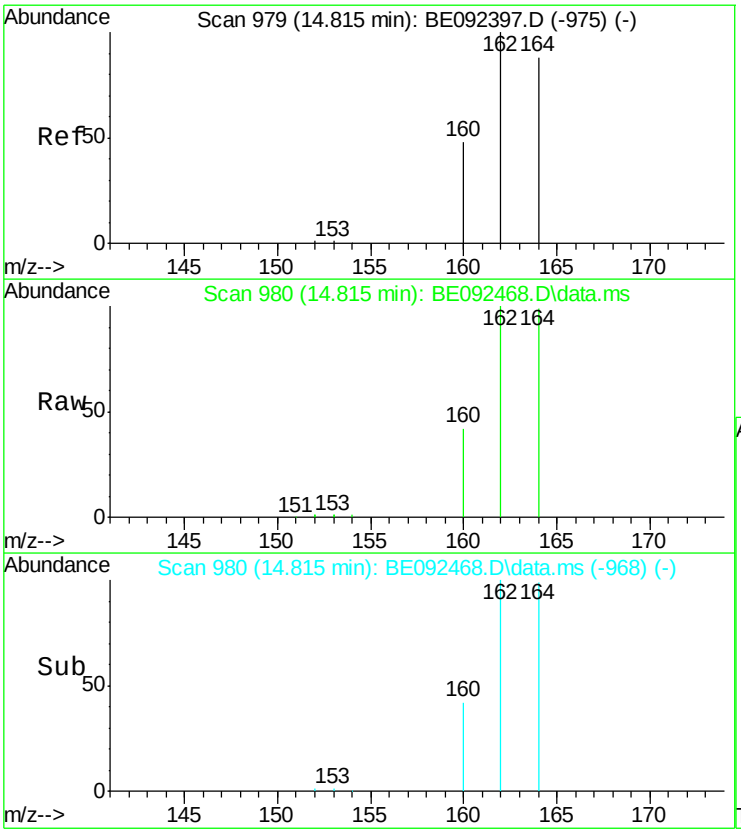
#11
2-Methylnaphthalene
Concen: 3.73 ng
RT: 12.623 min Scan# 81
Delta R.T. -0.024 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:142 Resp: 24429

Ion	Ratio	Lower	Upper
142	100		
141	84.5	73.7	110.5
115	32.2	34.0	51.0#

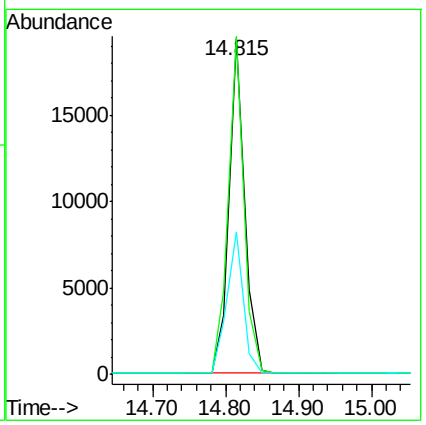


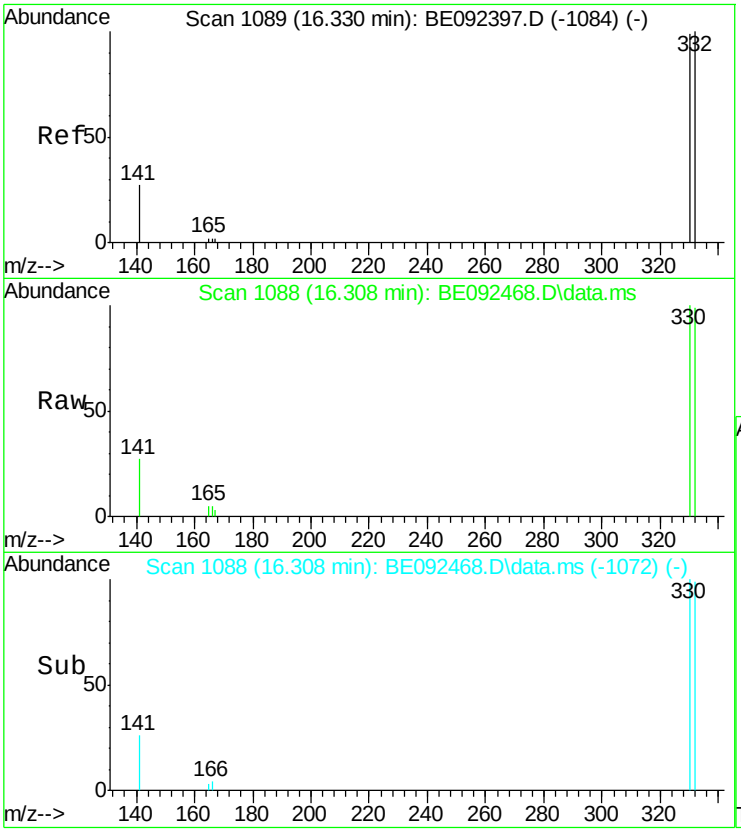


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.815 min Scan# 980
Delta R.T. -0.000 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:164 Resp: 28555

Ion	Ratio	Lower	Upper
164	100		
162	100.9	71.4	107.0
160	42.6	27.4	41.2#



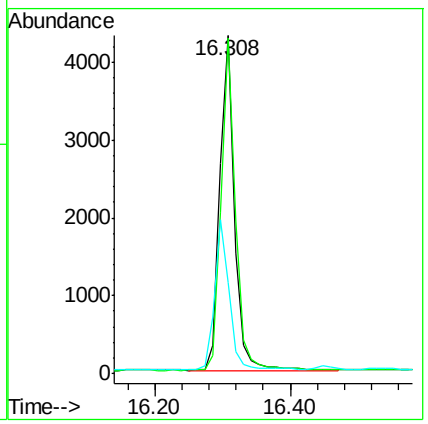


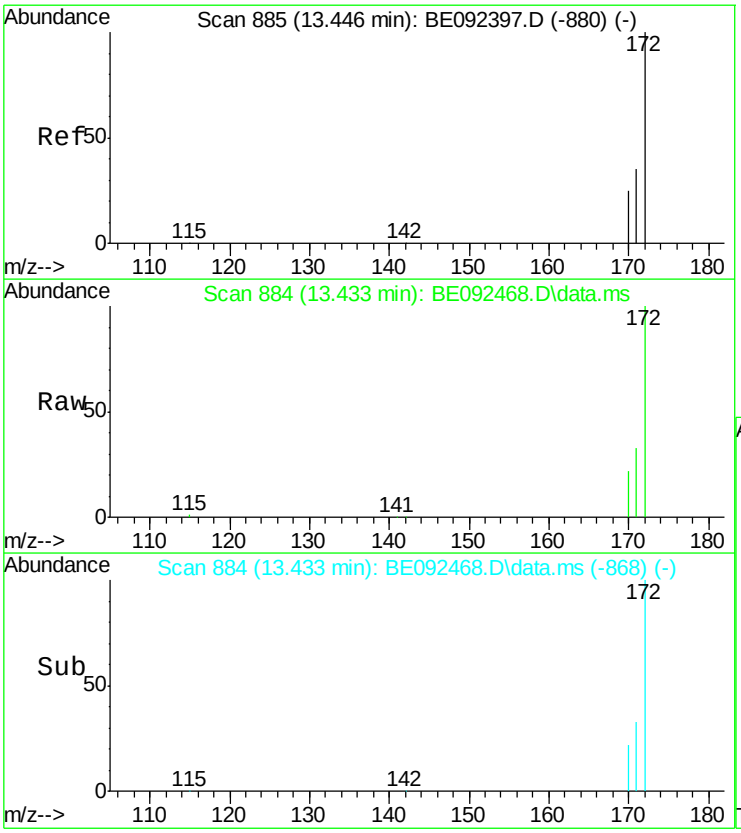
#13
2,4,6-Tribromophenol
Concen: 6.57 ng
RT: 16.308 min Scan# 10
Delta R.T. -0.010 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:330 Resp: 6616

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	44.0	31.0	46.6

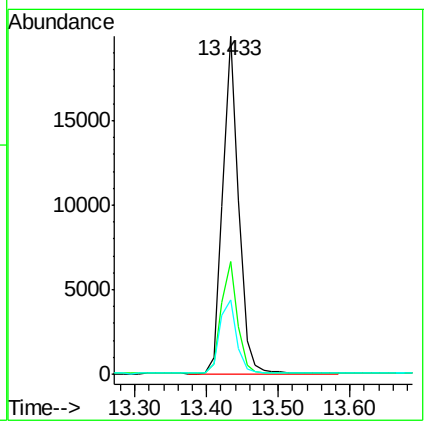


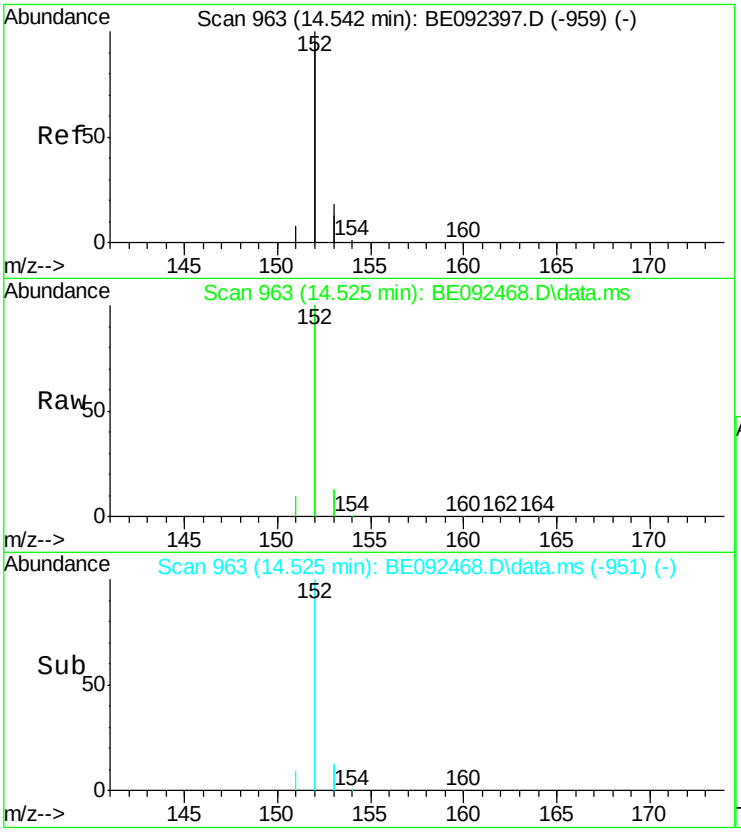


#14
2-Fluorobiphenyl
Concen: 4.54 ng
RT: 13.433 min Scan# 884
Delta R.T. -0.013 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:172 Resp: 30671

Ion	Ratio	Lower	Upper
172	100		
171	33.4	30.1	45.1
170	22.2	21.8	32.6



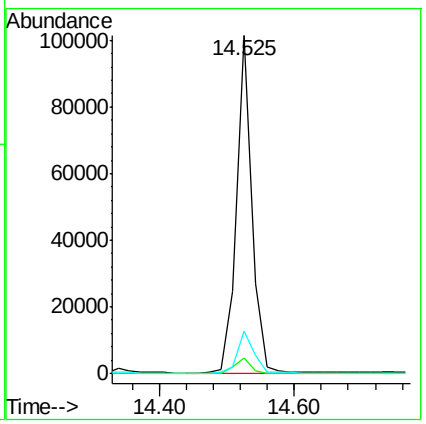


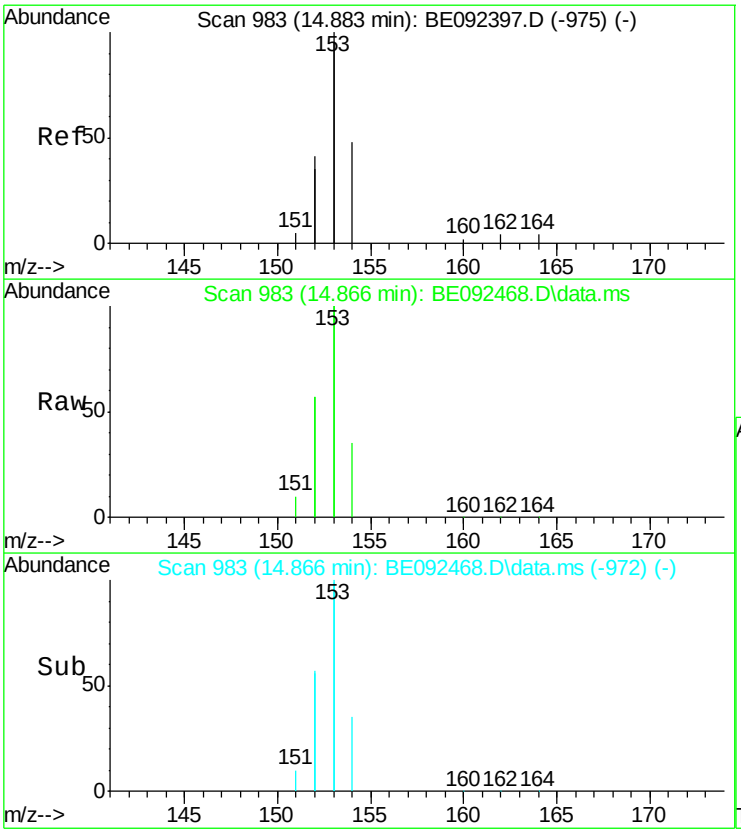
#15
Acenaphthylene
Concen: 3.87 ng
RT: 14.525 min Scan# 96
Delta R.T. -0.000 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 160211

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6

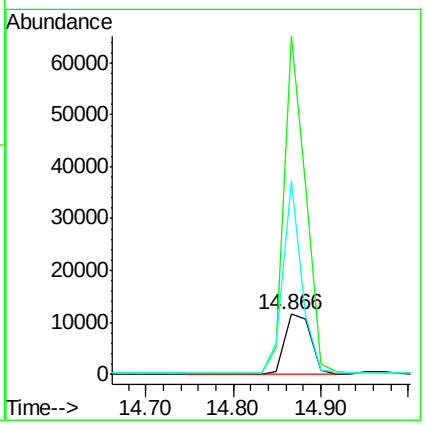


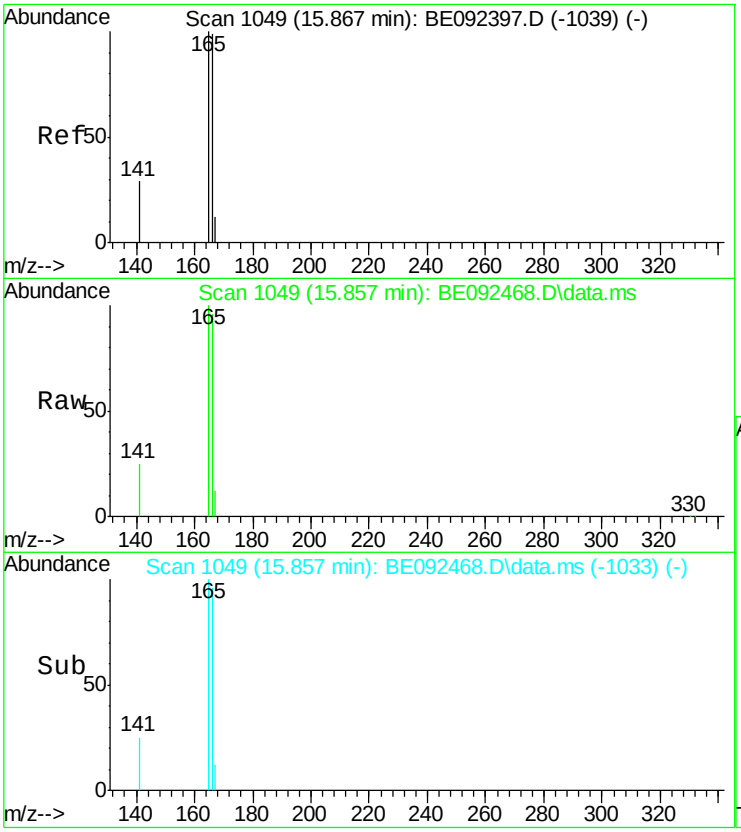


#16
Acenaphthene
Concen: 3.69 ng
RT: 14.866 min Scan# 983
Delta R.T. -0.017 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:154 Resp: 23918

Ion	Ratio	Lower	Upper
154	100		
153	464.2	350.8	526.2
152	234.3	171.1	256.7



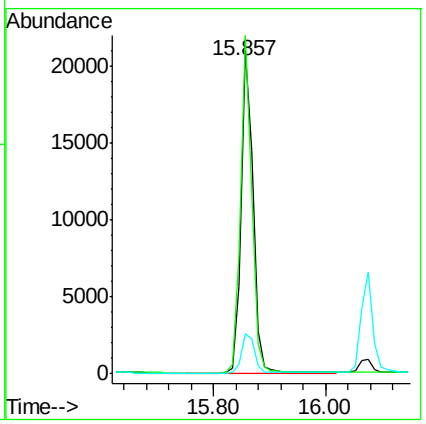


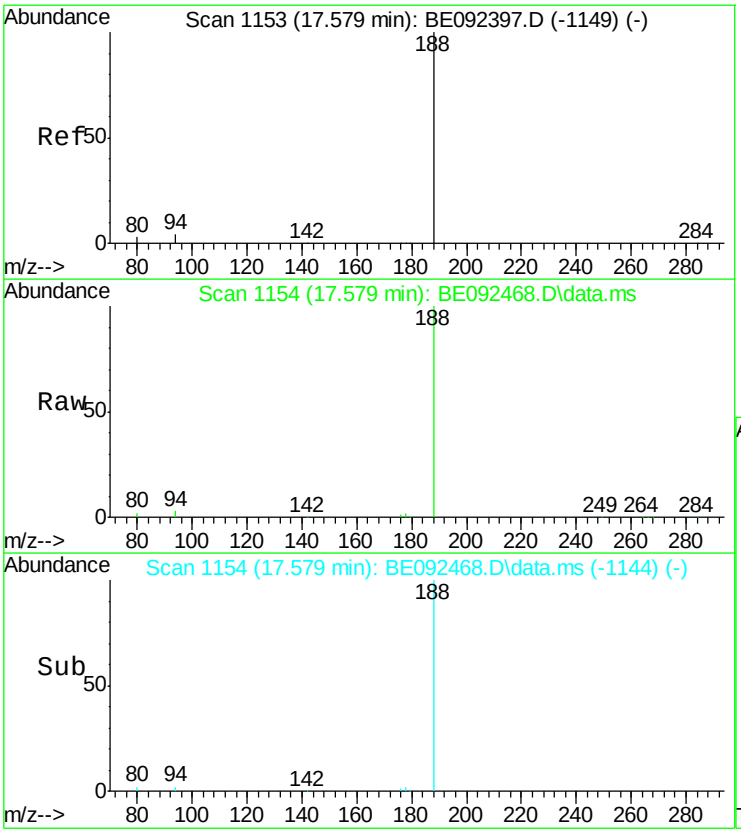
#17
Fluorene
Concen: 3.82 ng
RT: 15.857 min Scan# 10
Delta R.T. -0.011 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:166 Resp: 31331

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.2	117.4
167	13.4	11.0	16.4

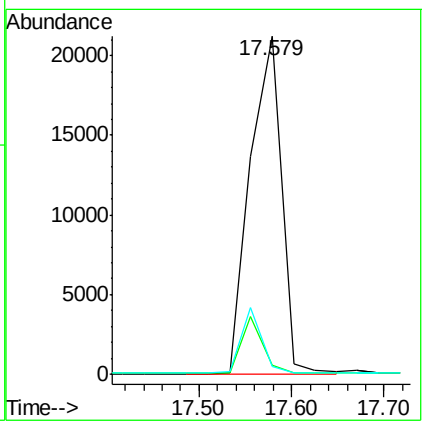


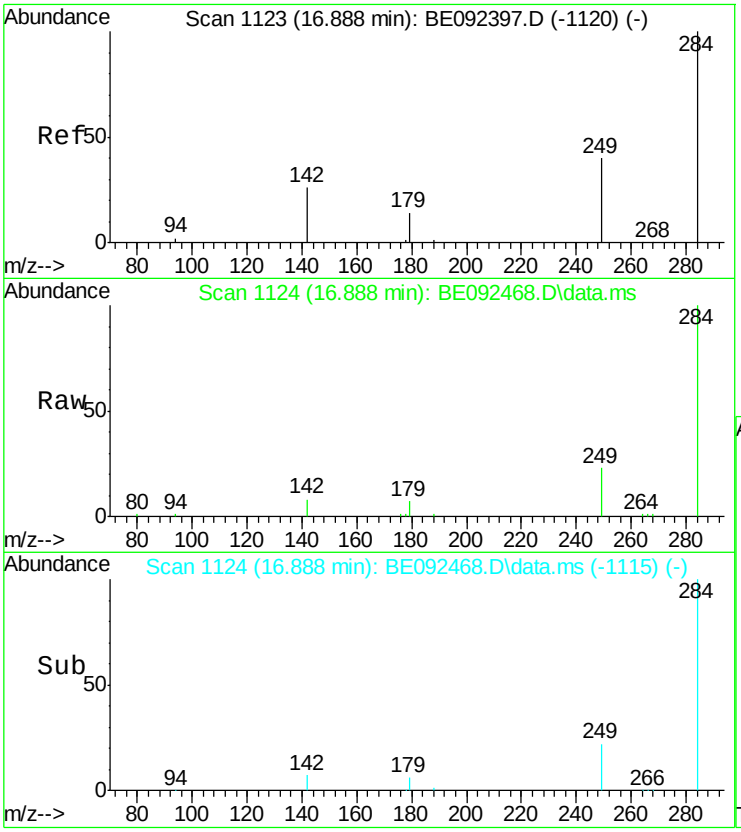


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.579 min Scan# 1154
Delta R.T. 0.022 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:188 Resp: 49474

Ion	Ratio	Lower	Upper
188	100		
94	2.7	3.2	4.8#
80	2.1	2.6	3.8#



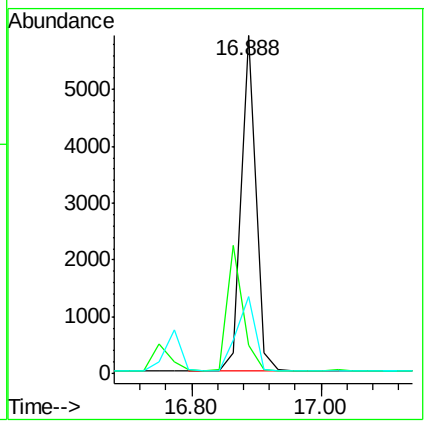


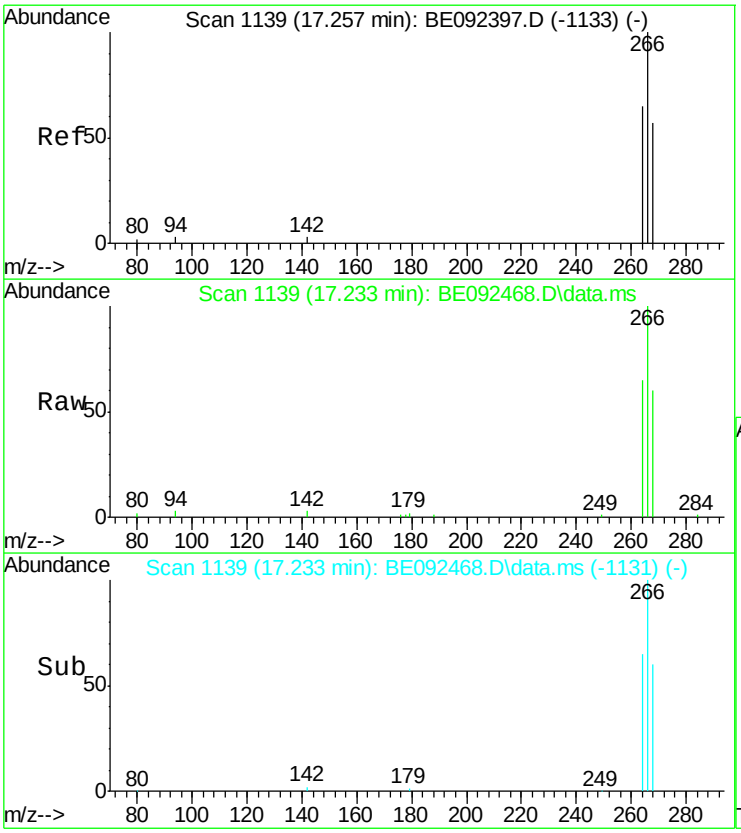
#19
Hexachlorobenzene
Concen: 4.29 ng
RT: 16.888 min Scan# 11
Delta R.T. -0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 9078

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	28.6	27.9	41.9

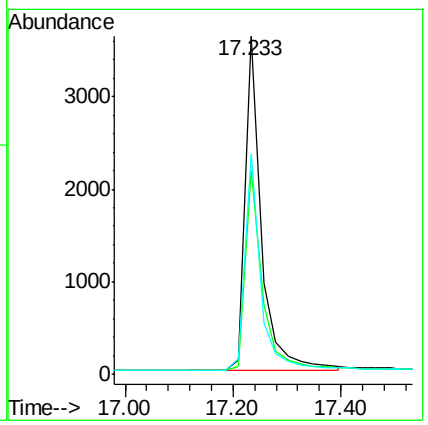


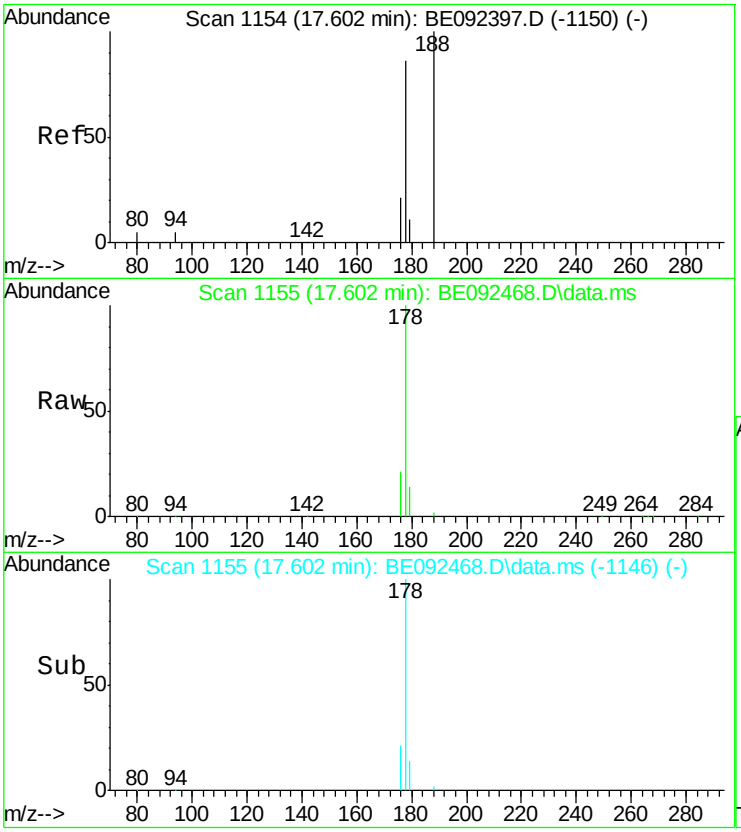


#20
Pentachlorophenol
Concen: 9.53 ng
RT: 17.233 min Scan# 1139
Delta R.T. -0.024 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:266 Resp: 7410

Ion	Ratio	Lower	Upper
266	100		
268	60.1	62.5	93.7#
264	65.1	57.2	85.8



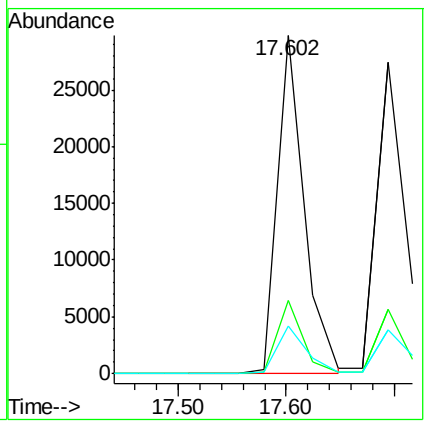


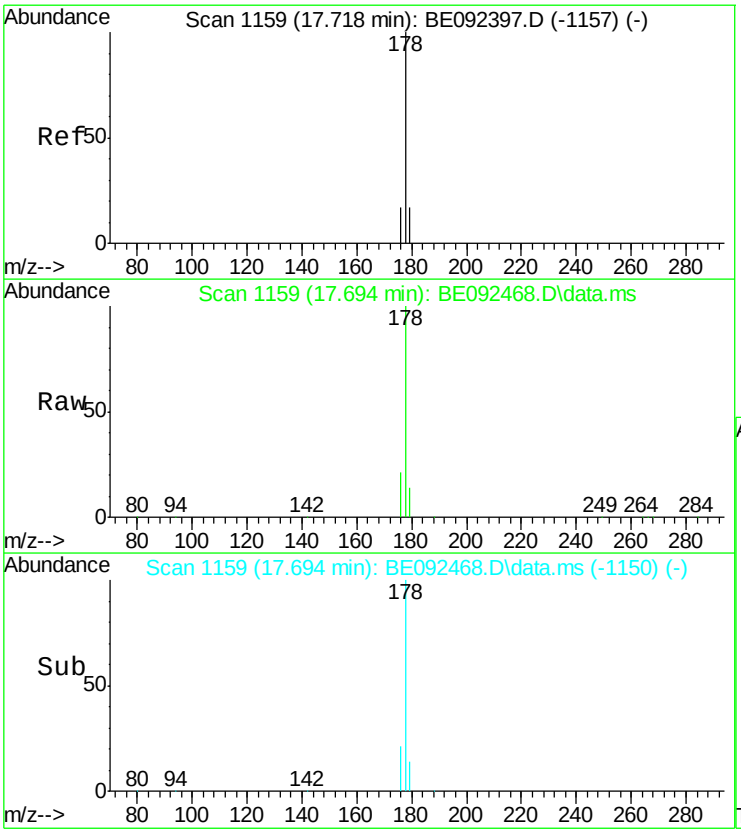
#21
Phenanthrene
Concen: 4.53 ng
RT: 17.602 min Scan# 11
Delta R.T. -0.000 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 51479

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.0	16.0	24.0#

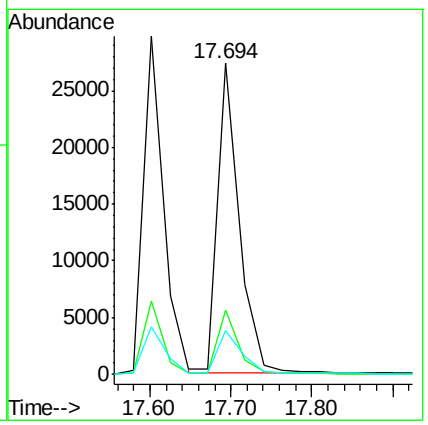


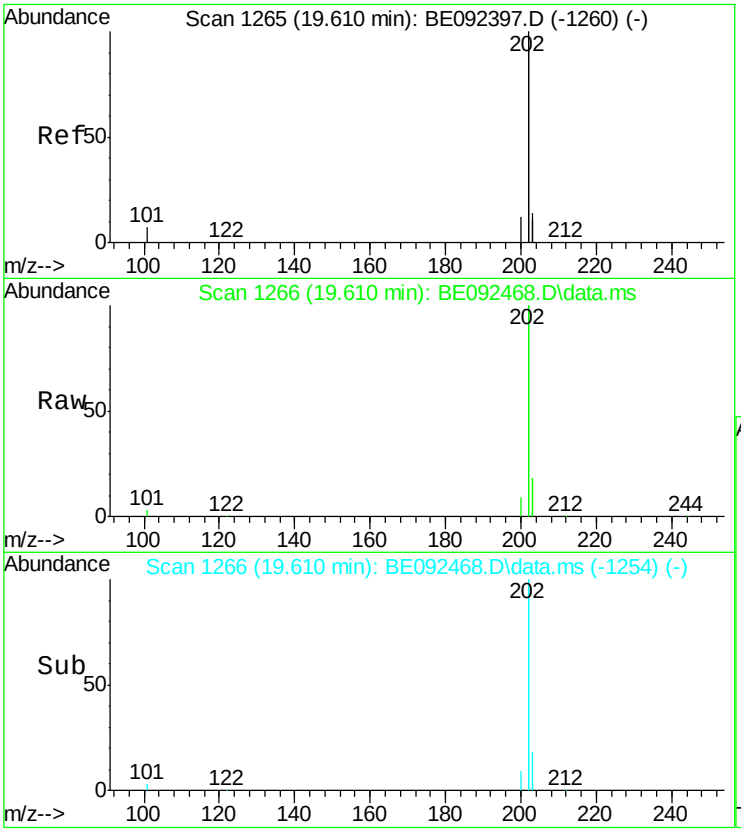


#22
Anthracene
Concen: 4.64 ng
RT: 17.694 min Scan# 1159
Delta R.T. -0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:178 Resp: 50695

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	14.9	12.2	18.2



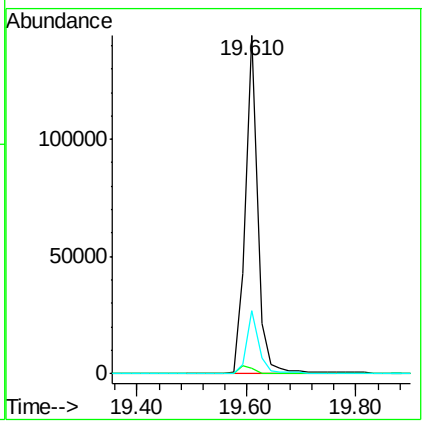


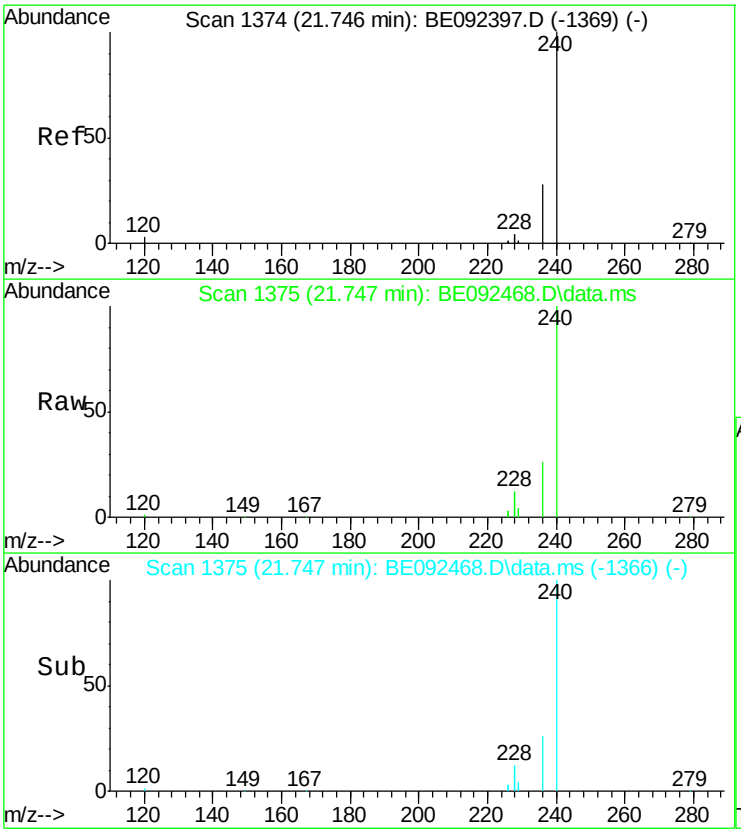
#23
Fluoranthene
Concen: 4.10 ng
RT: 19.610 min Scan# 12
Delta R.T. -0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 221682

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.7	13.7	20.5

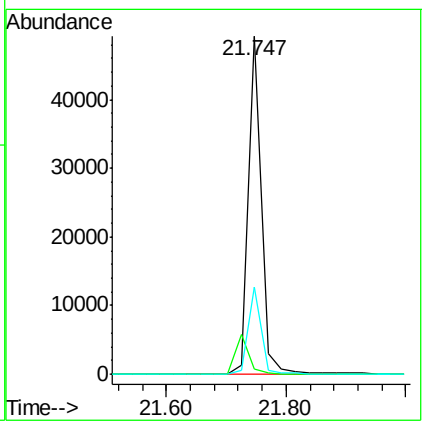


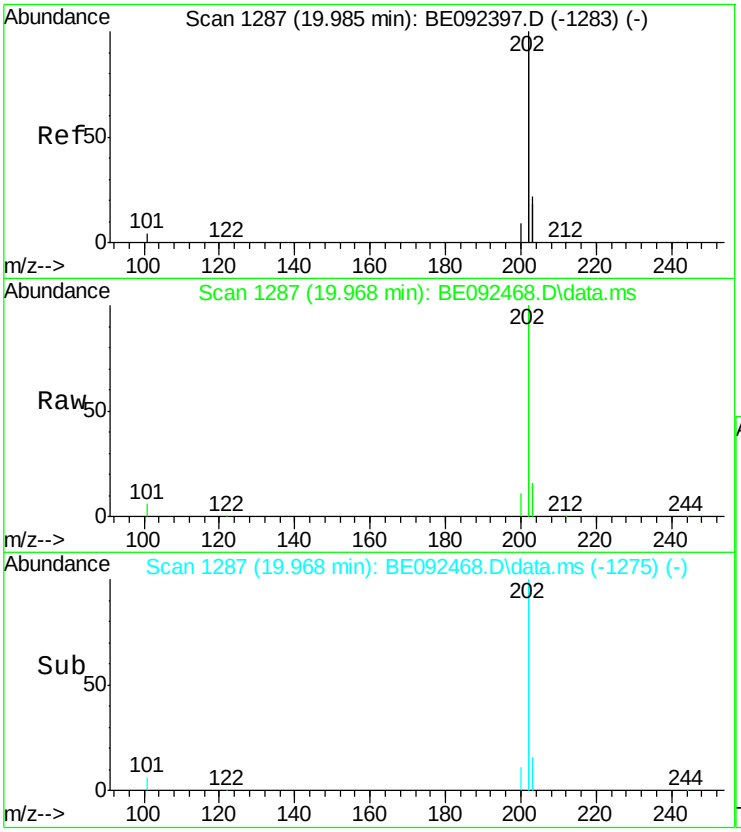


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.747 min Scan# 1375
Delta R.T. 0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:240 Resp: 74381

Ion	Ratio	Lower	Upper
240	100		
120	1.4	2.6	4.0#
236	25.8	24.6	37.0



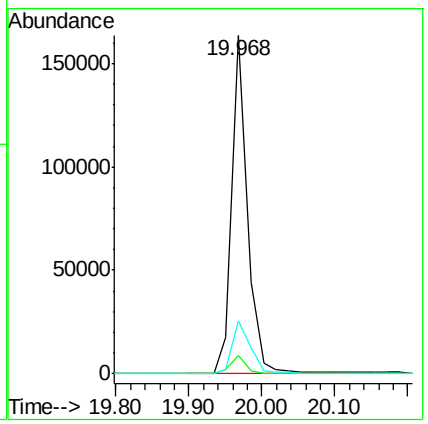


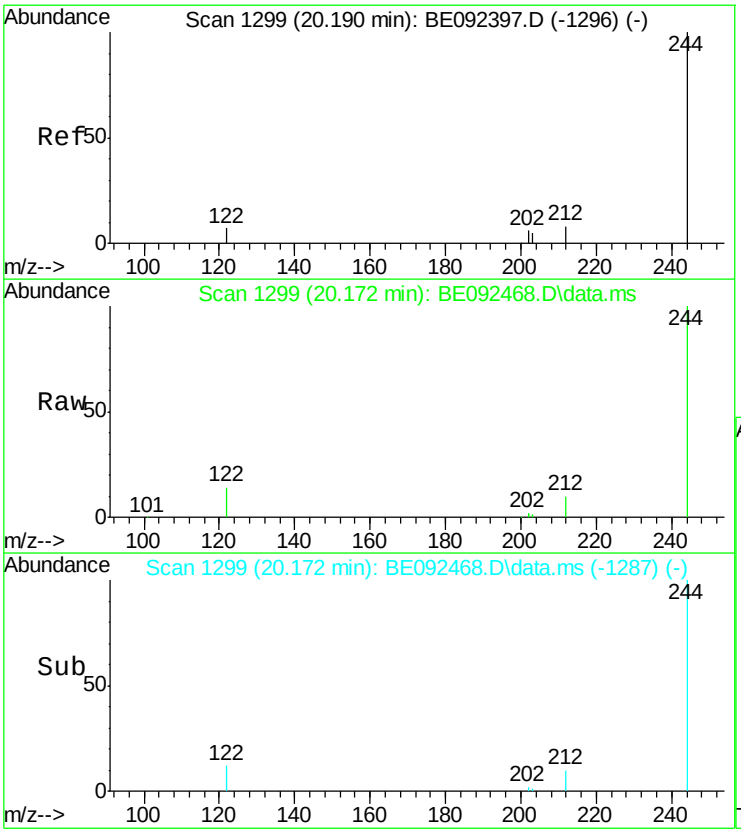
#25
Pyrene
Concen: 3.70 ng
RT: 19.968 min Scan# 12
Delta R.T. -0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 238390

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.9	13.9	20.9

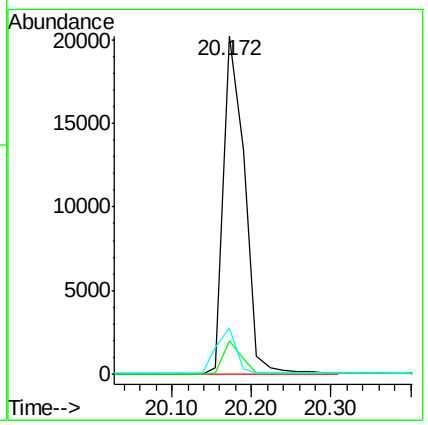


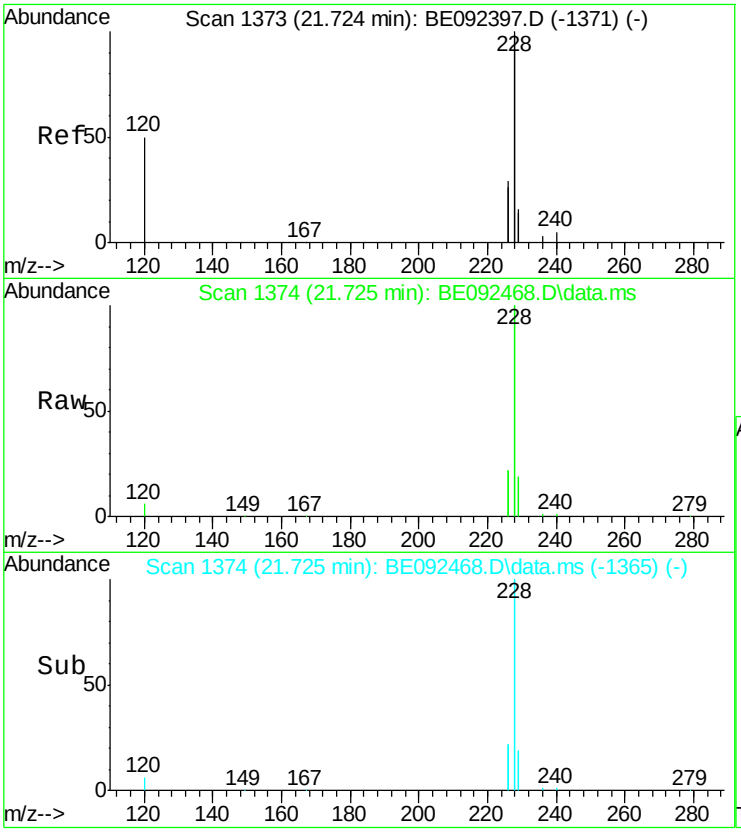


#26
Terphenyl-d14
Concen: 3.96 ng
RT: 20.172 min Scan# 1299
Delta R.T. -0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:244 Resp: 36506

Ion	Ratio	Lower	Upper
244	100		
212	9.7	6.7	10.1
122	13.6	3.6	5.4#



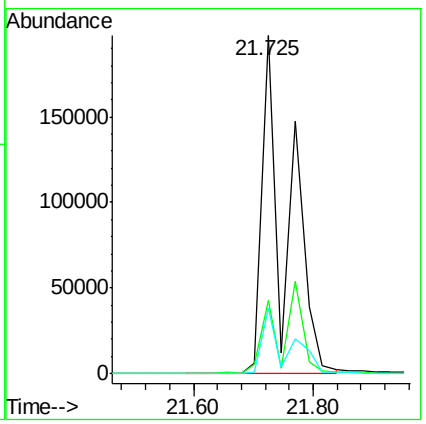


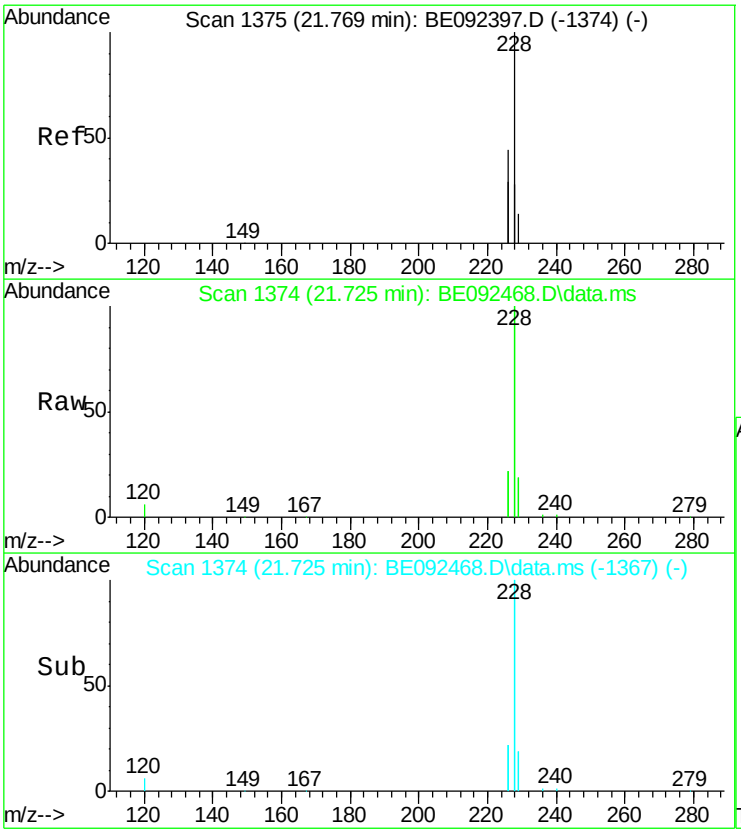
#27
Benzo(a)anthracene
Concen: 7.64 ng
RT: 21.725 min Scan# 13
Delta R.T. 0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 553709

Ion	Ratio	Lower	Upper
228	100		
226	21.8	23.6	35.4#
229	19.4	13.3	19.9

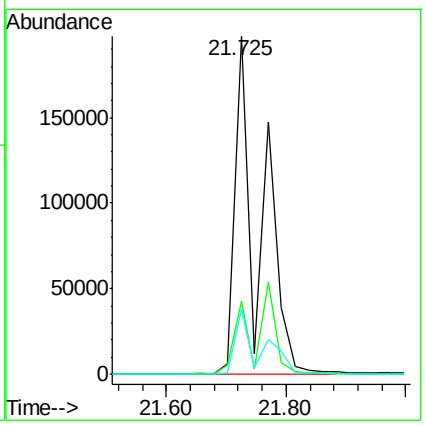


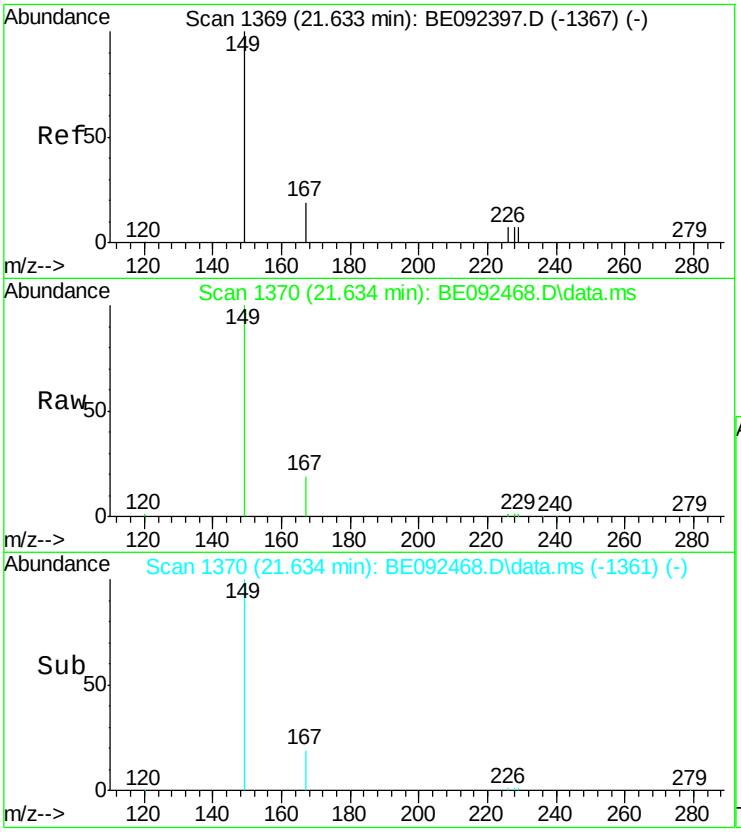


#28
Chrysene
Concen: 8.39 ng
RT: 21.725 min Scan# 1374
Delta R.T. -0.043 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:228 Resp: 556980

Ion	Ratio	Lower	Upper
228	100		
226	21.8	36.3	54.5#
229	19.4	10.6	16.0#



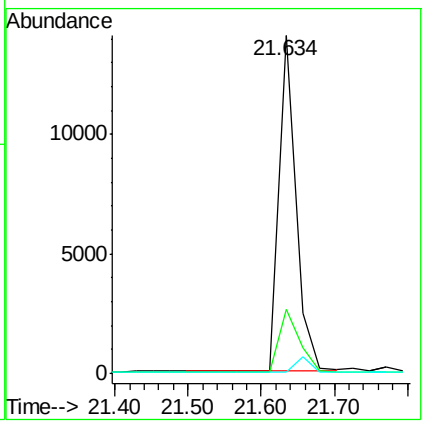


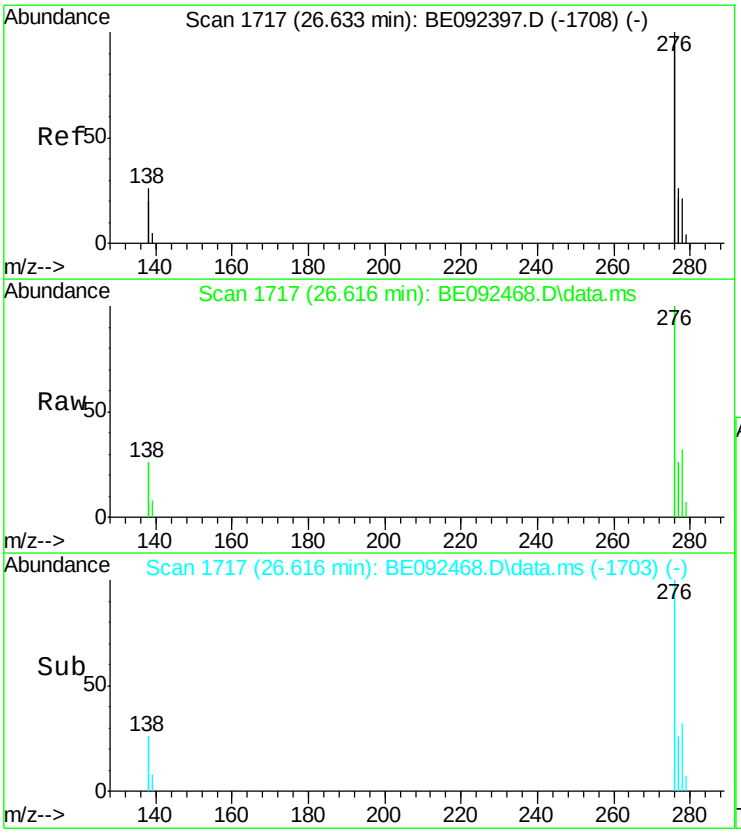
#29
Bis(2-ethylhexyl)phthalate
Concen: 3.64 ng
RT: 21.634 min Scan# 13
Delta R.T. 0.001 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:149 Resp: 22732

Ion	Ratio	Lower	Upper
149	100		
167	22.4	16.0	24.0
279	0.0	16.0	24.0#

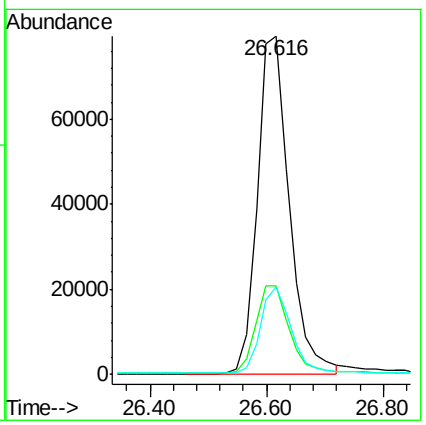


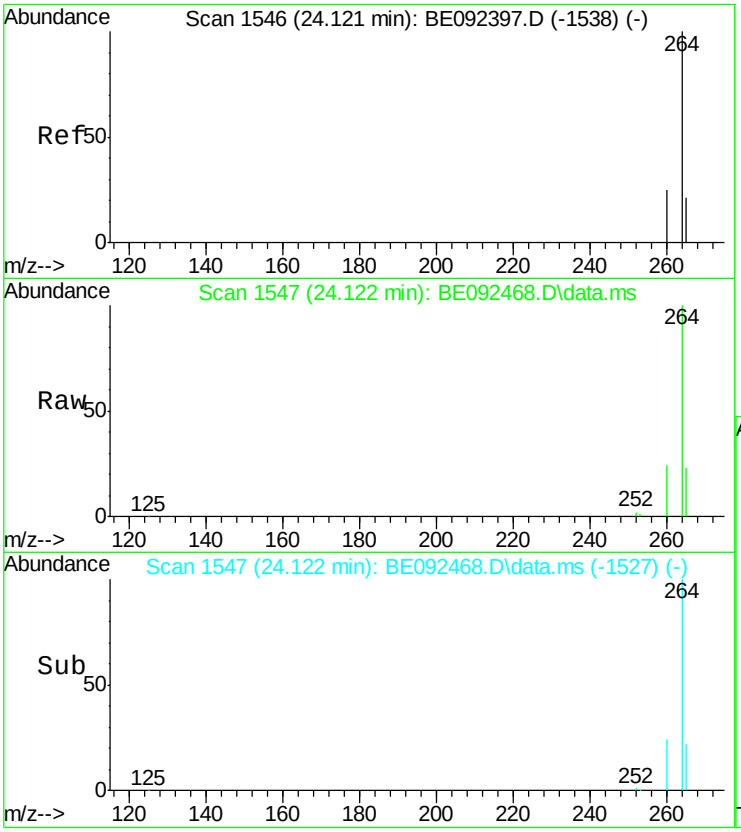


#30
Indeno(1,2,3-cd)pyrene
Concen: 4.25 ng
RT: 26.616 min Scan# 1717
Delta R.T. 0.035 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:276 Resp: 299502

Ion	Ratio	Lower	Upper
276	100		
138	27.5	20.3	30.5
277	24.7	19.7	29.5



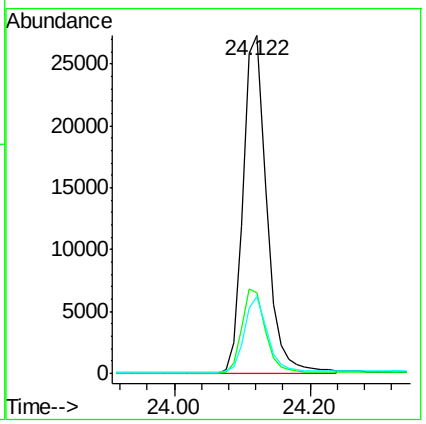


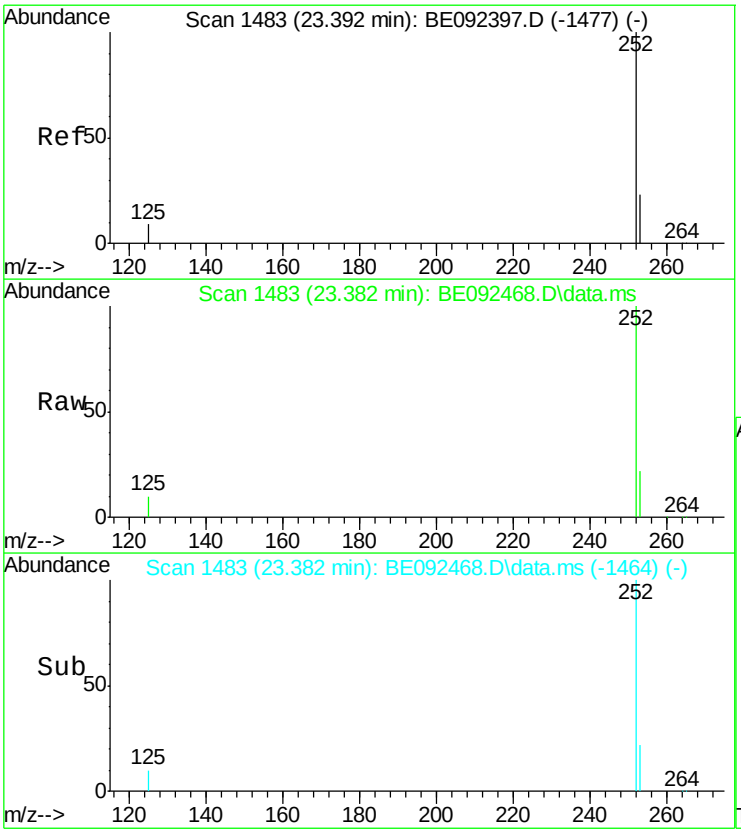
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.122 min Scan# 15
Delta R.T. 0.036 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:264 Resp: 65026

Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.1	30.1
265	22.7	17.9	26.9

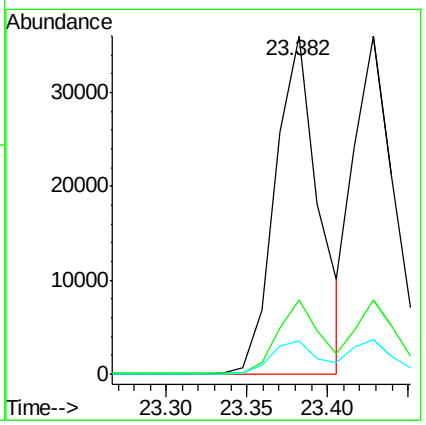


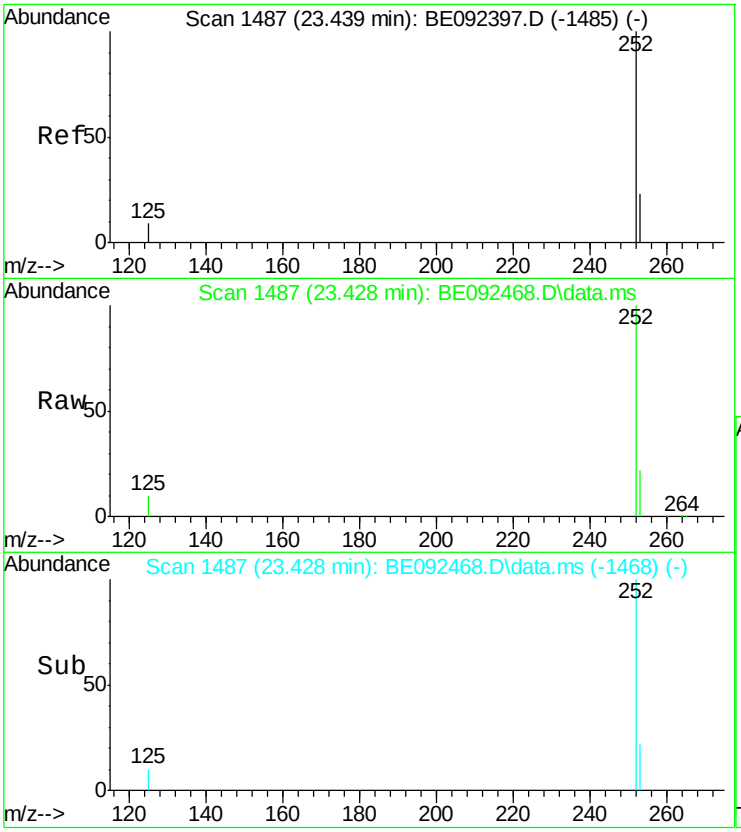


#32
Benzo(b)fluoranthene
Concen: 4.29 ng
RT: 23.382 min Scan# 1483
Delta R.T. 0.024 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:252 Resp: 67497

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.7	28.1
125	10.0	10.5	15.7#



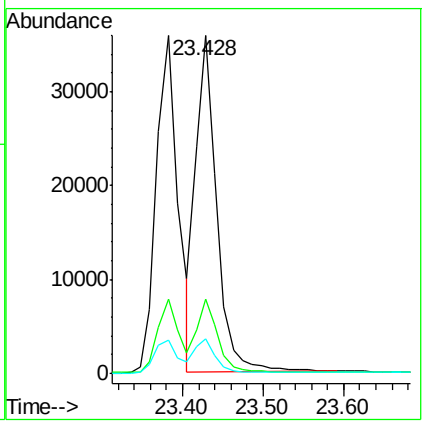


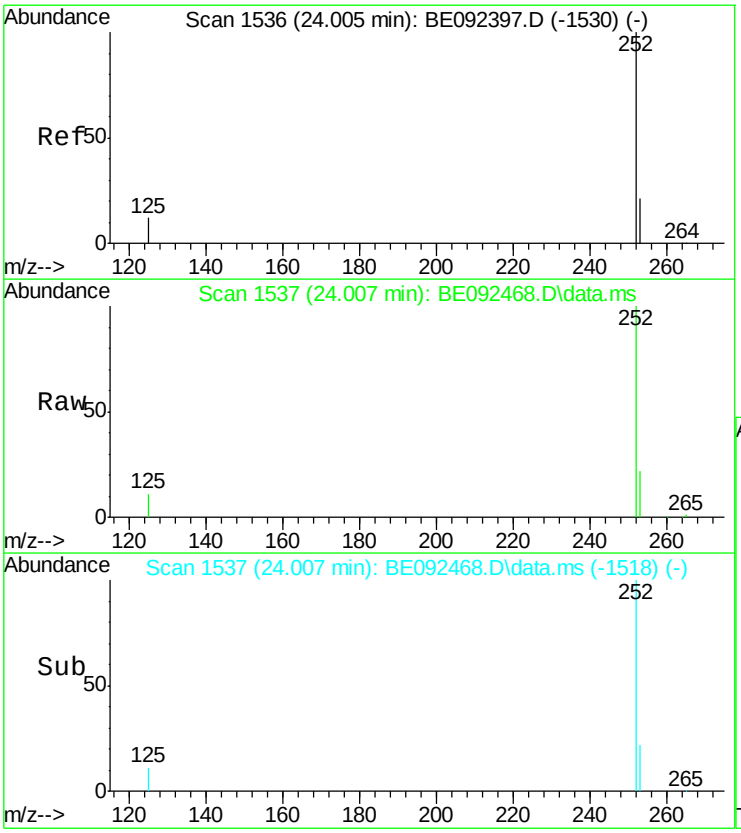
#33
Benzo(k)fluoranthene
Concen: 3.96 ng
RT: 23.428 min Scan# 14
Delta R.T. 0.024 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 65346

Ion	Ratio	Lower	Upper
252	100		
253	21.9	20.3	30.5
125	10.2	9.6	14.4

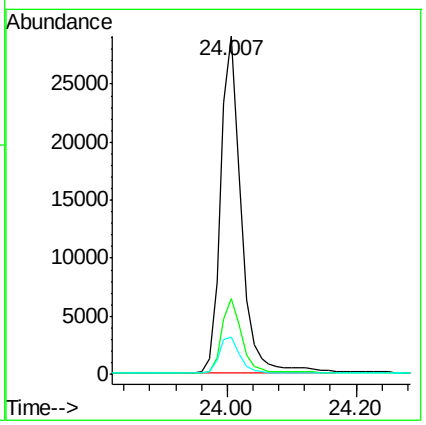


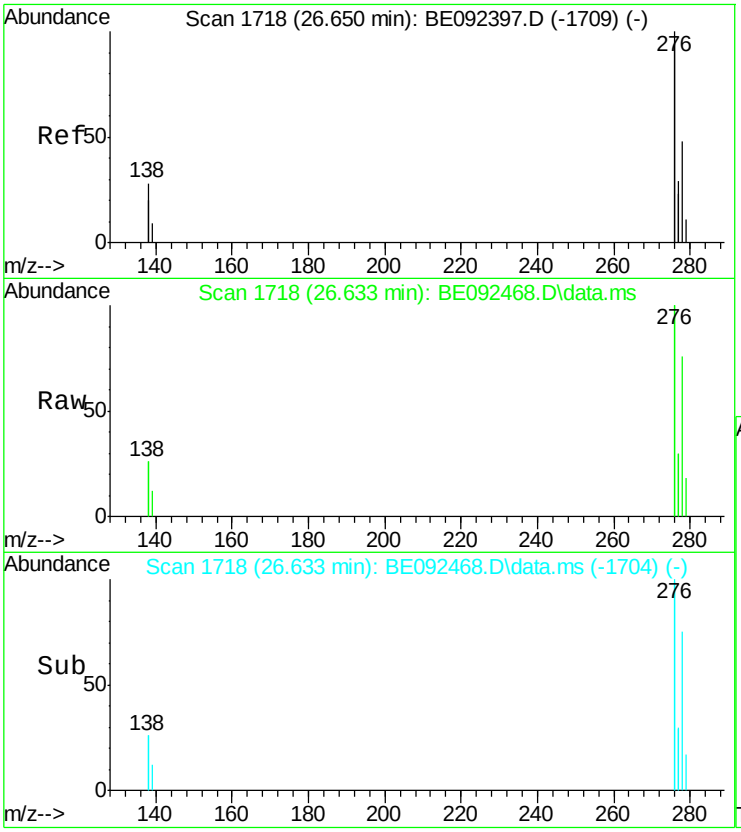


#34
Benzo(a)pyrene
Concen: 4.18 ng
RT: 24.007 min Scan# 1537
Delta R.T. 0.024 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:252 Resp: 64439

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.0	28.6
125	11.0	11.8	17.8#



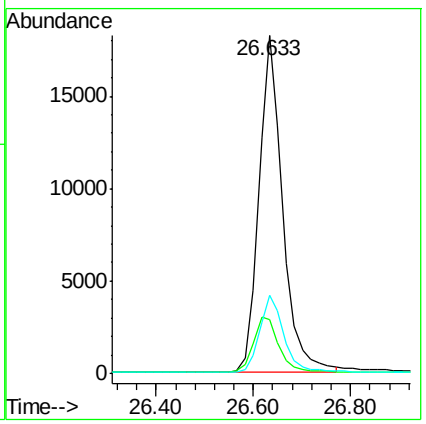


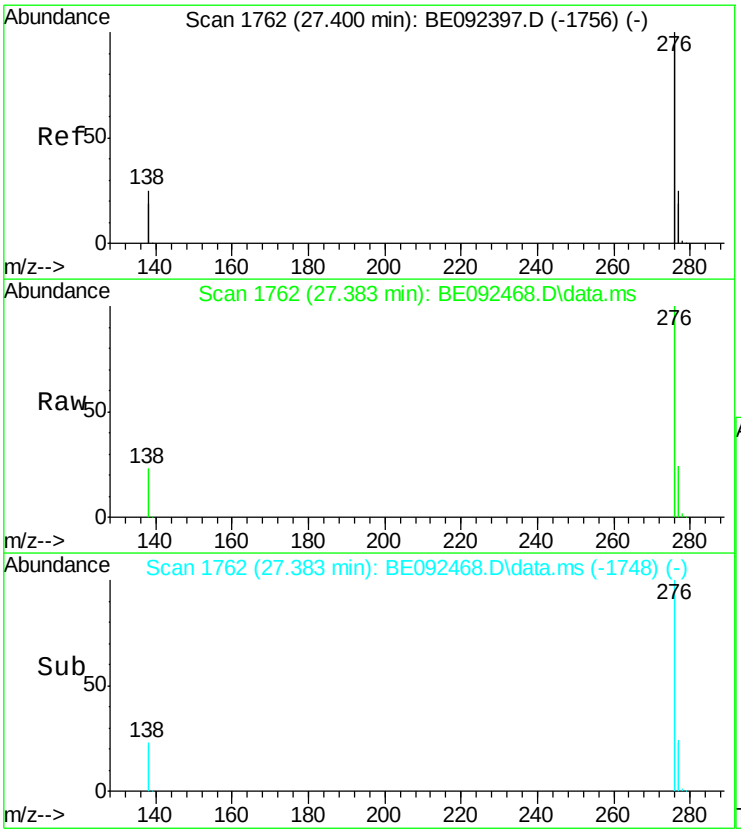
#35
Dibenzo(a,h)anthracene
Concen: 4.44 ng
RT: 26.633 min Scan# 17
Delta R.T. 0.035 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:278 Resp: 62756

Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.8	20.8
279	23.3	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 4.28 ng
RT: 27.383 min Scan# 1762
Delta R.T. 0.035 min
Lab File: BE092468.D
Acq: 21 Oct 2016 15:44

Tgt Ion:276 Resp: 260307

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.8
138	22.7	19.8	29.6