Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091616\
Data File : BE092387.D
Acq On : 16 Sep 2016 11:30
Operator : UM/SJ
Sample : PB93386BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB93386BSD

Quant Time: Sep 16 12:04:38 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	12099	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	53222	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	34430	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	63006	5.00	ng		0.02
24) Chrysene-d12	21.75	240	84795	5.00	ng		0.00
31) Perylene-d12	24.12	264	81456	5.00	ng		0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	22424	7.80	ng		-0.02
5) Phenol-d6	7.34	99	30879	8.04	ng		-0.02
8) Nitrobenzene-d5	9.34	82	13606	3.56	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	8319	7.80	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	32424	3.07	ng		-0.01
26) Terphenyl-d14	20.19	244	39441	3.14	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	4191	2.79	ng	#	86
3) n-Nitrosodimethylamine	3.76	42	6880	3.60	ng	#	99
6) bis(2-Chloroethyl)ether	7.59	93	11207	3.07	ng		95
9) Naphthalene	10.99	128	39753	3.34	ng	#	95
10) Hexachlorobutadiene	11.28	225	6090	3.28	ng		100
11) 2-Methylnaphthalene	12.62	142	27095	3.47	ng		92
15) Acenaphthylene	14.53	152	181769	3.07	ng		100
16) Acenaphthene	14.88	154	26962	2.81	ng		93
17) Fluorene	15.87	166	36120	3.00	ng		100
19) Hexachlorobenzene	16.89	284	10496	3.48	ng	#	66
20) Pentachlorophenol	17.23	266	9836	6.43	ng	#	86
21) Phenanthrene	17.60	178	57342	3.24	ng	#	94
22) Anthracene	17.69	178	56108	3.56	ng		98
23) Fluoranthene	19.61	202	262589	3.40	ng		100
25) Pyrene	19.97	202	265509	3.22	ng		99
27) Benzo(a)anthracene	21.72	228	307472m	3.36	ng		
28) Chrysene	21.77	228	259552m	3.03	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	30885	2.25	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.62	276	365873	3.80	ng		99
32) Benzo(b)fluoranthene	23.38	252	75715	3.62	ng	#	95
33) Benzo(k)fluoranthene	23.43	252	74976	3.39	ng		93
34) Benzo(a)pyrene	24.01	252	75558	3.67	ng	#	94
35) Dibenzo(a,h)anthracene	26.63	278	76761	4.03	ng		95
36) Benzo(g,h,i)perylene	27.38	276	319223	3.97	ng		96

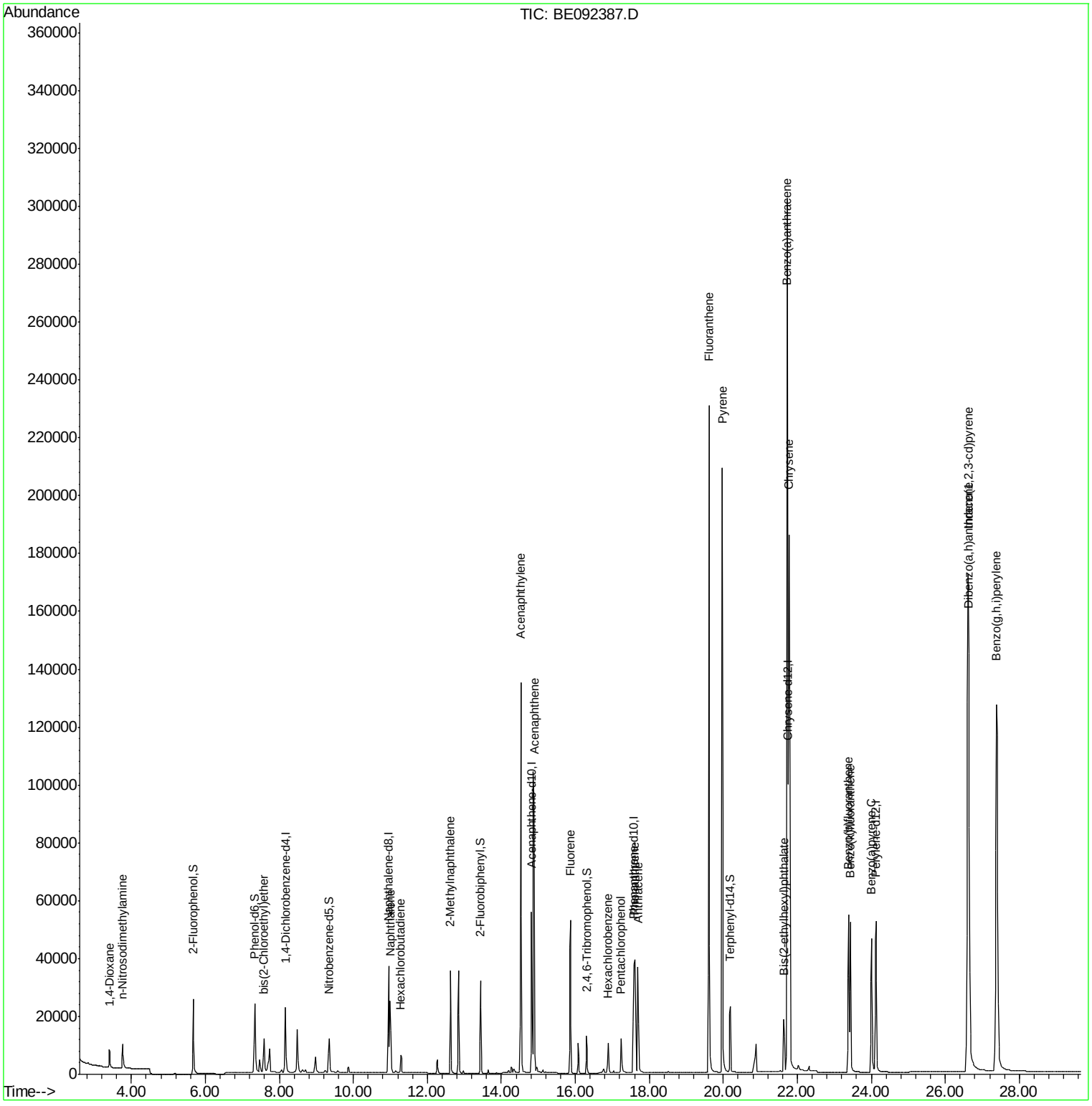
(#) = qualifier out of range (m) = manual integration (+) = signals summed

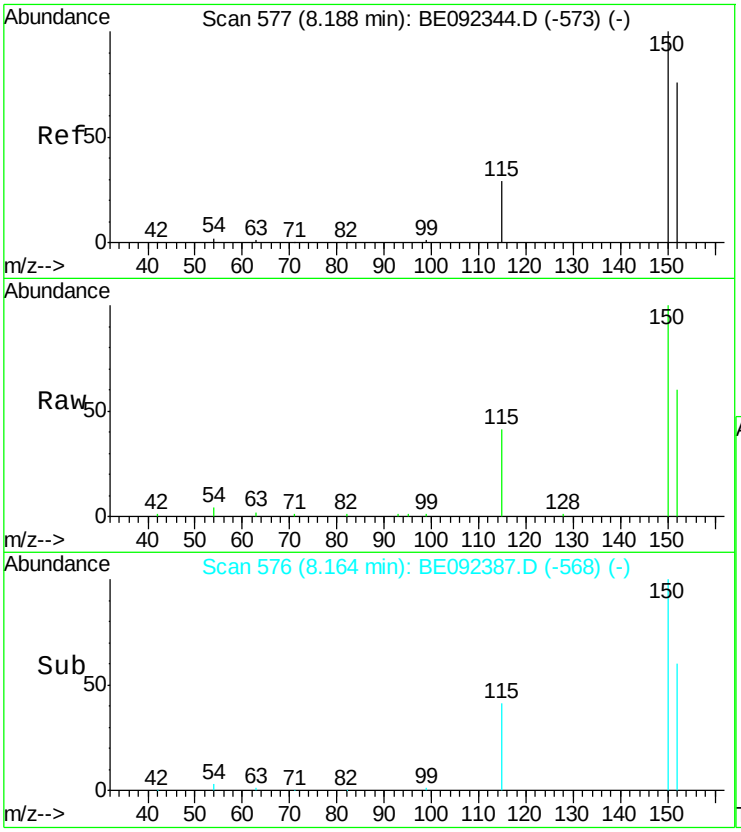
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091616\
Data File : BE092387.D
Acq On : 16 Sep 2016 11:30
Operator : UM/SJ
Sample : PB93386BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Quant Time: Sep 16 12:04:38 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration



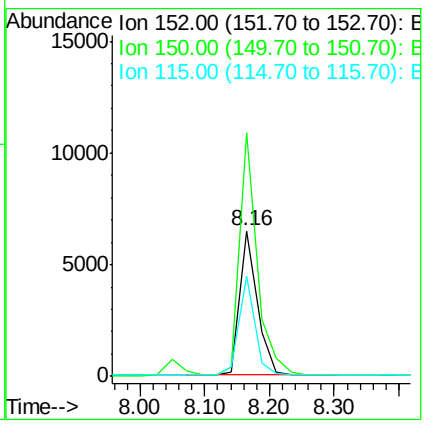


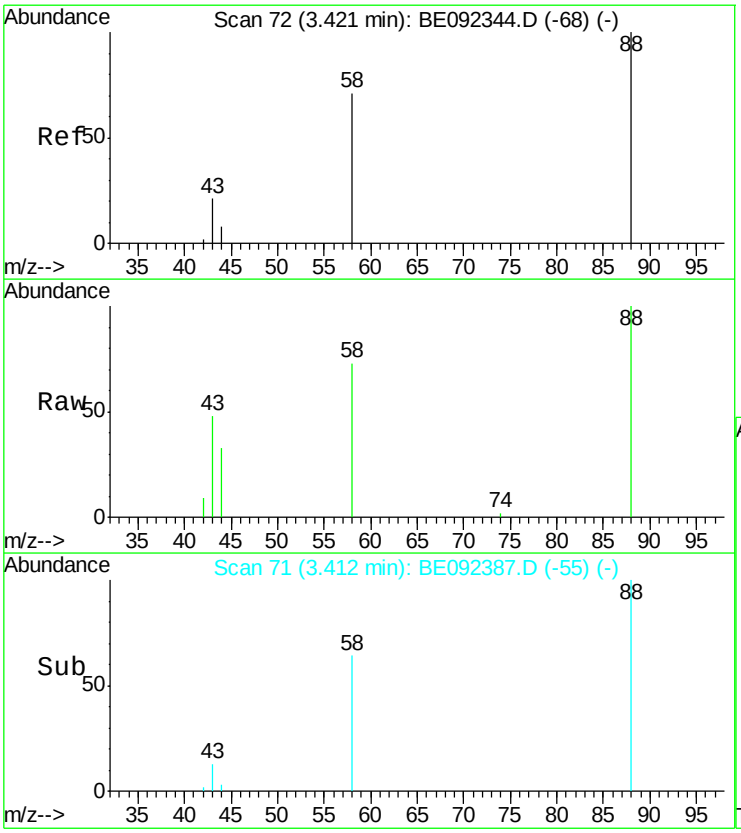
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:152 Resp: 12099

Ion	Ratio	Lower	Upper
152	100		
150	167.3	106.0	159.0#
115	69.2	31.2	46.8#

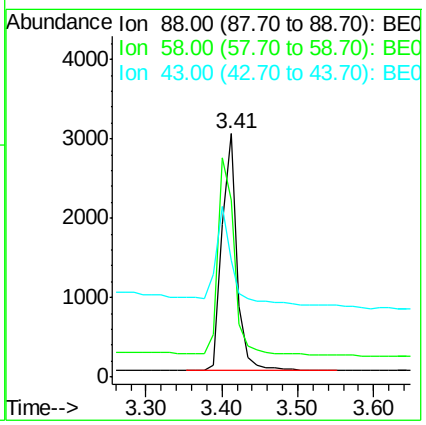


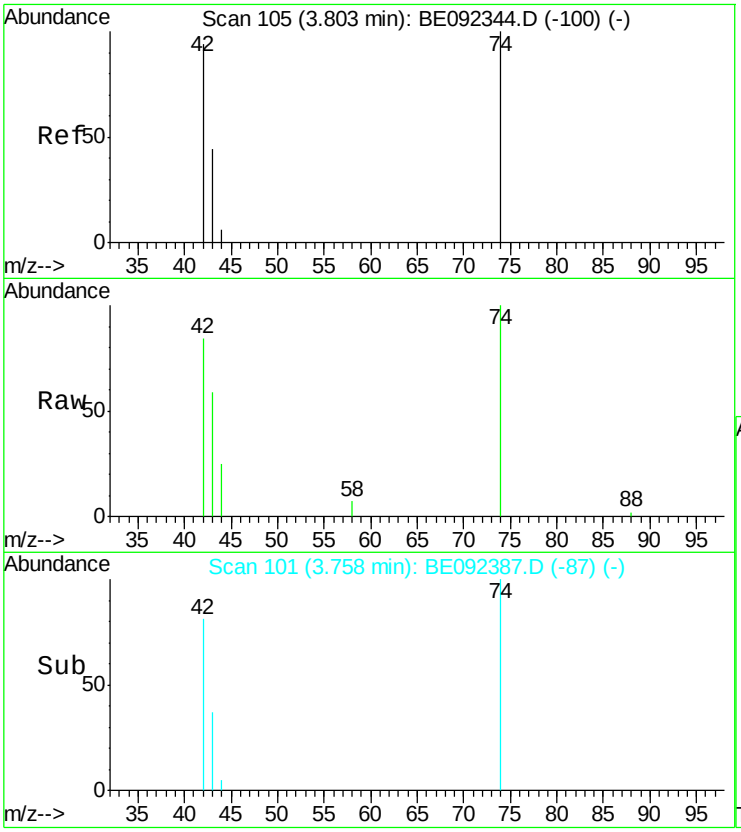


#2
1,4-Dioxane
Concen: 2.79 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion: 88 Resp: 4191

Ion	Ratio	Lower	Upper
88	100		
58	90.6	63.6	95.4
43	44.2	28.0	42.0#



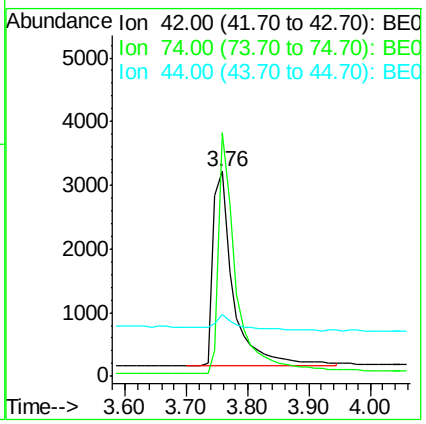


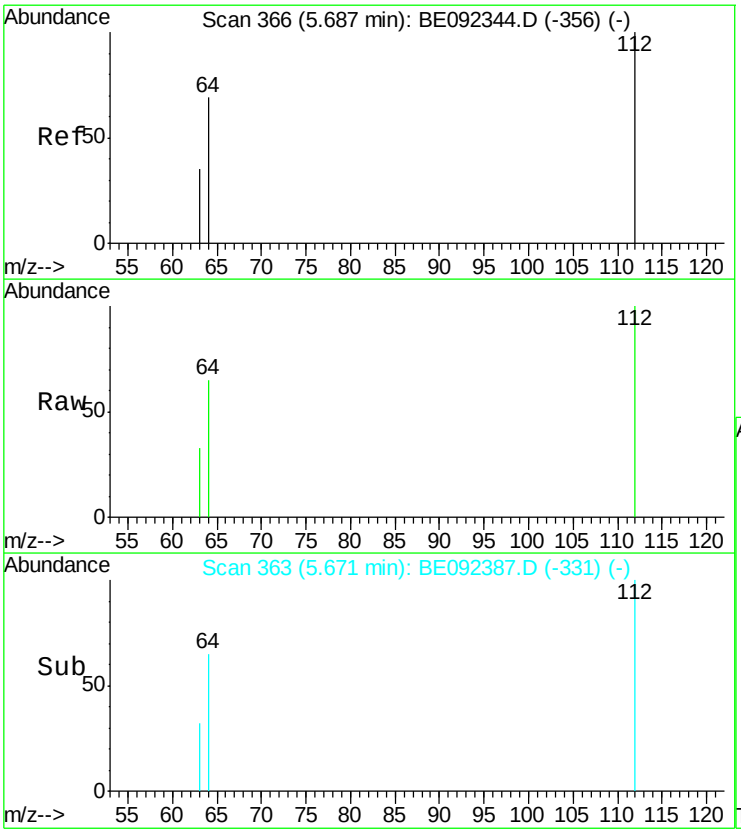
#3
n-Nitrosodimethylamine
Concen: 3.60 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.04 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion: 42 Resp: 6880

Ion	Ratio	Lower	Upper
42	100		
74	108.0	86.0	129.0
44	9.5	5.1	7.7#

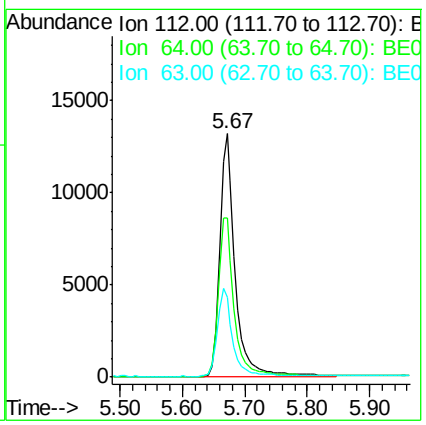


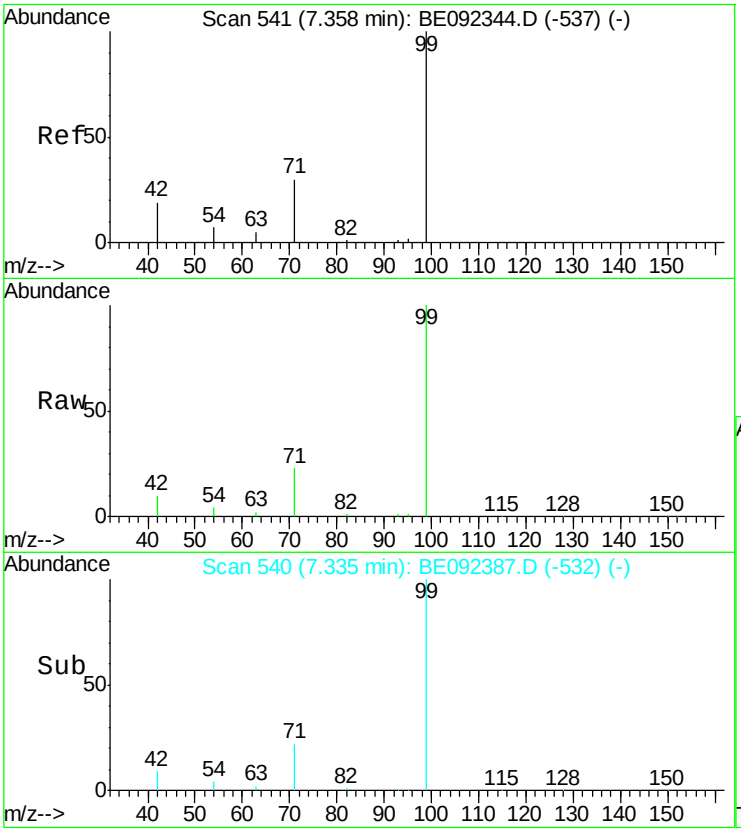


#4
2-Fluorophenol
Concen: 7.80 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:112 Resp: 22424

Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.5	80.3
63	35.9	27.9	41.9



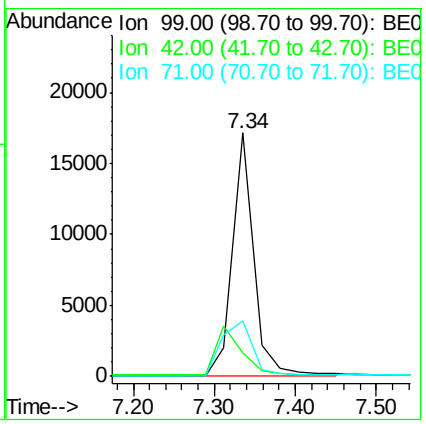


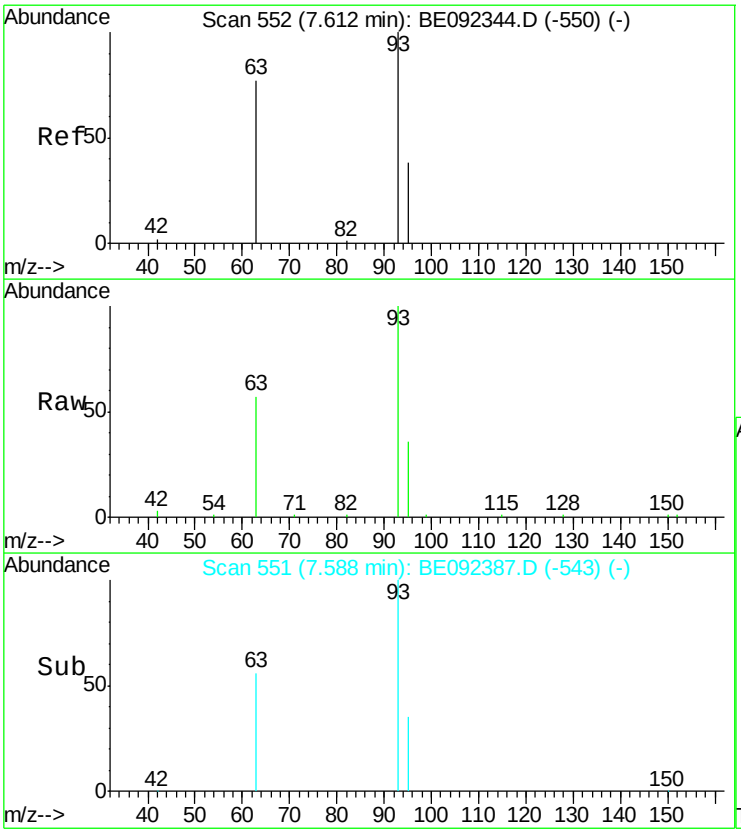
#5
Phenol-d6
Concen: 8.04 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion: 99 Resp: 30879

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	33.4	30.6	45.8

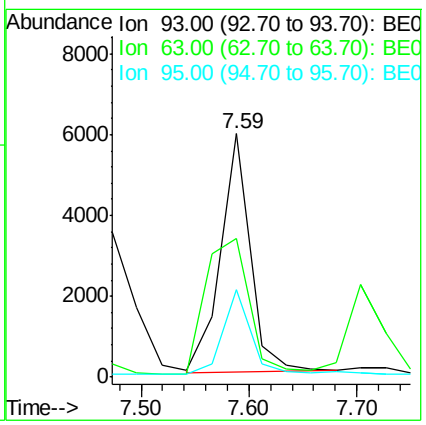


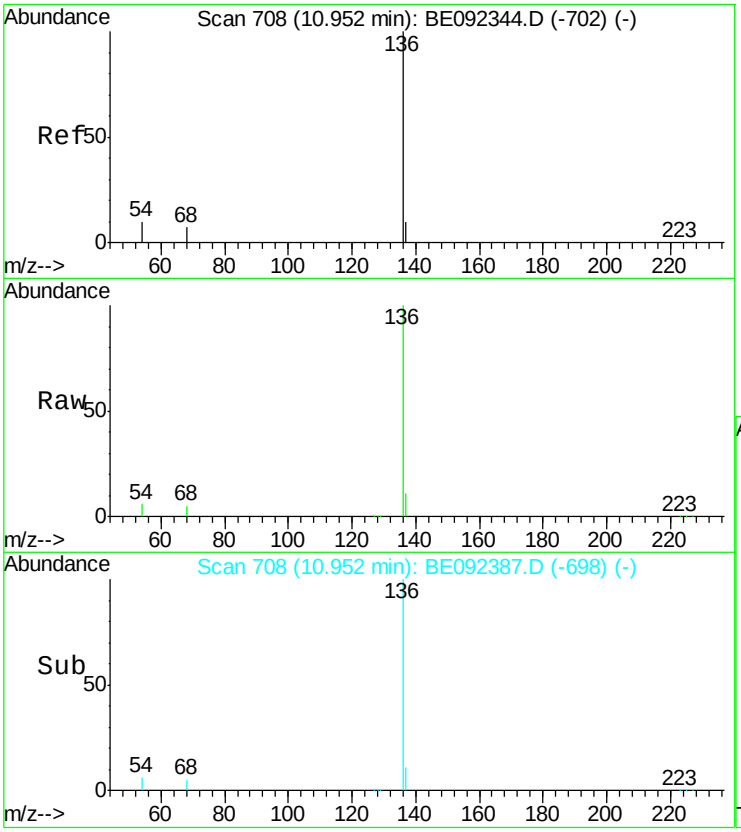


#6
bis(2-Chloroethyl)ether
Concen: 3.07 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion: 93 Resp: 11207

Ion	Ratio	Lower	Upper
93	100		
63	86.2	71.6	107.4
95	35.0	24.0	36.0



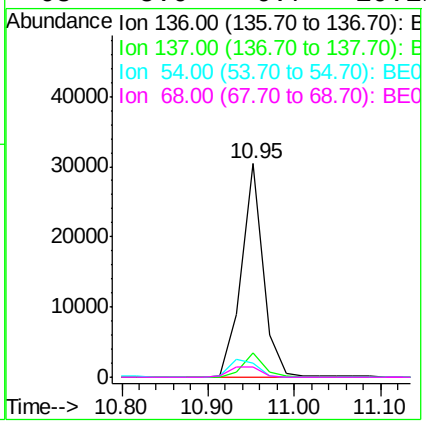


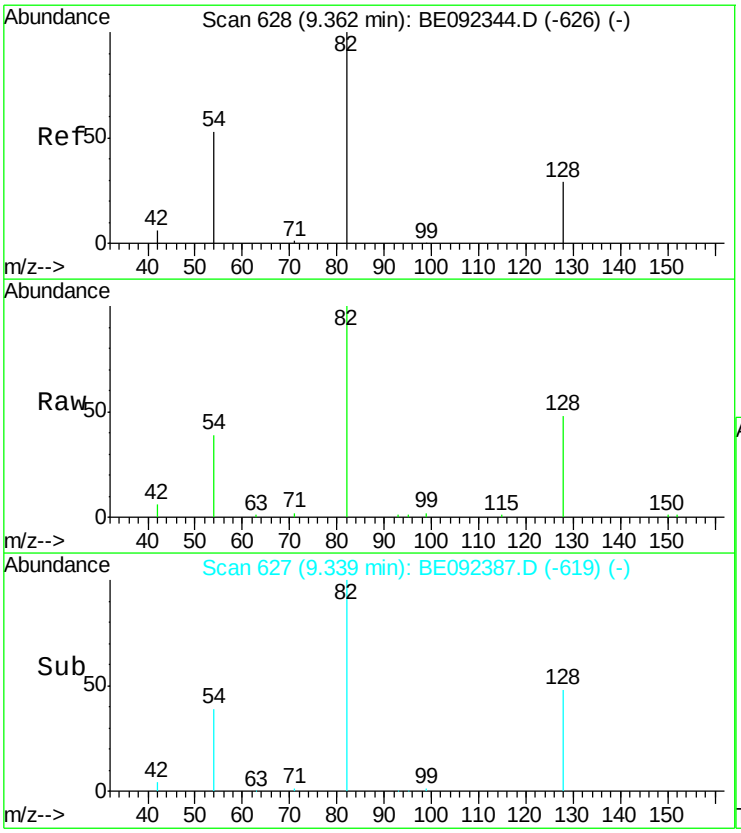
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:136 Resp: 53222

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	6.3	9.6	14.4#
68	5.0	6.7	10.1#

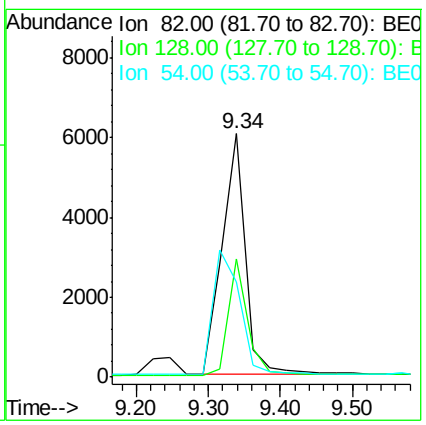


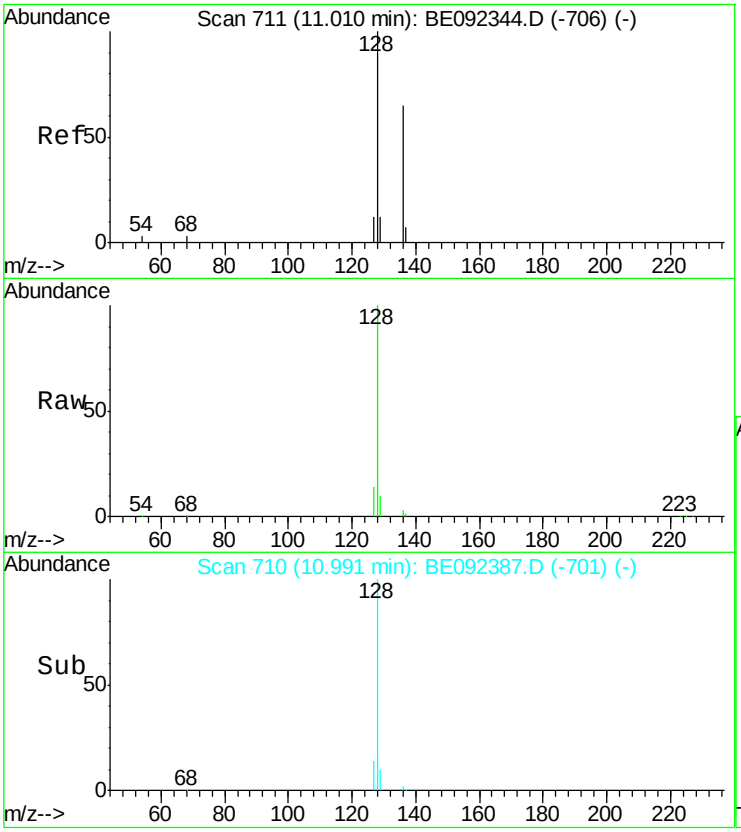


#8
Nitrobenzene-d5
Concen: 3.56 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion: 82 Resp: 13606

Ion	Ratio	Lower	Upper
82	100		
128	48.5	39.0	58.4
54	39.3	44.8	67.2#



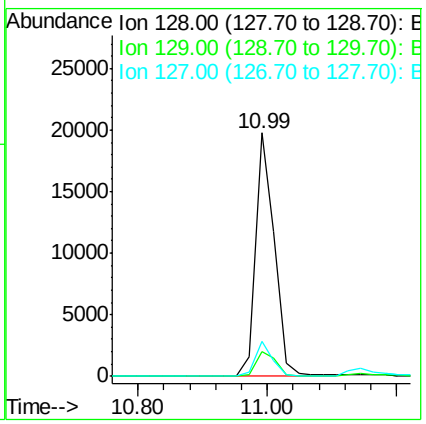


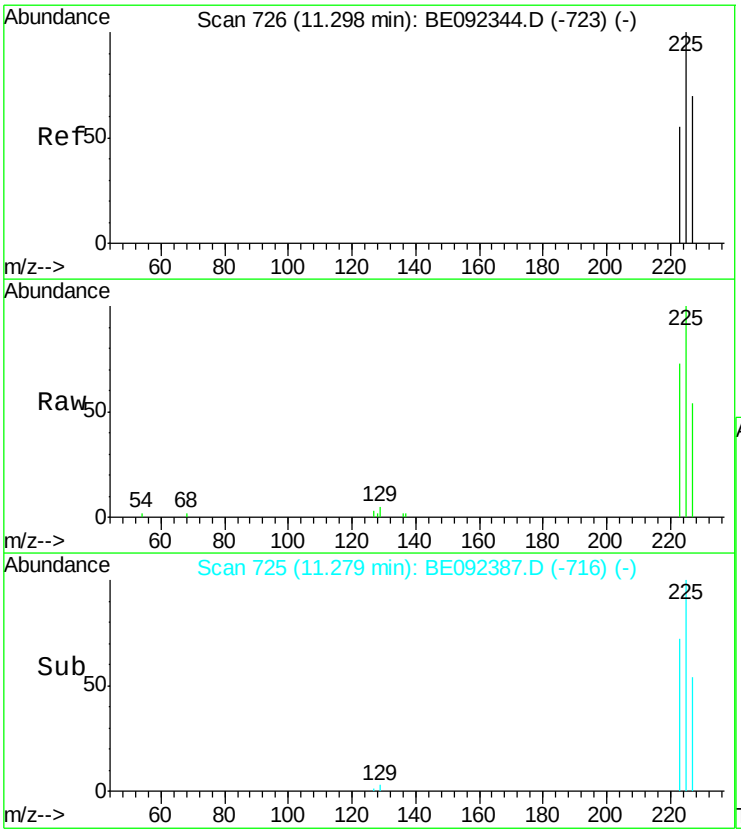
#9
Naphthalene
Concen: 3.34 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:128 Resp: 39753

Ion	Ratio	Lower	Upper
128	100		
129	10.3	11.2	16.8#
127	14.1	11.6	17.4

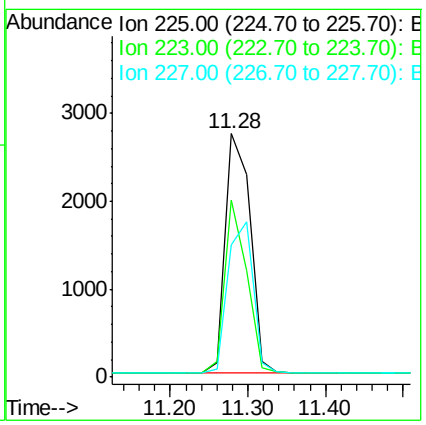


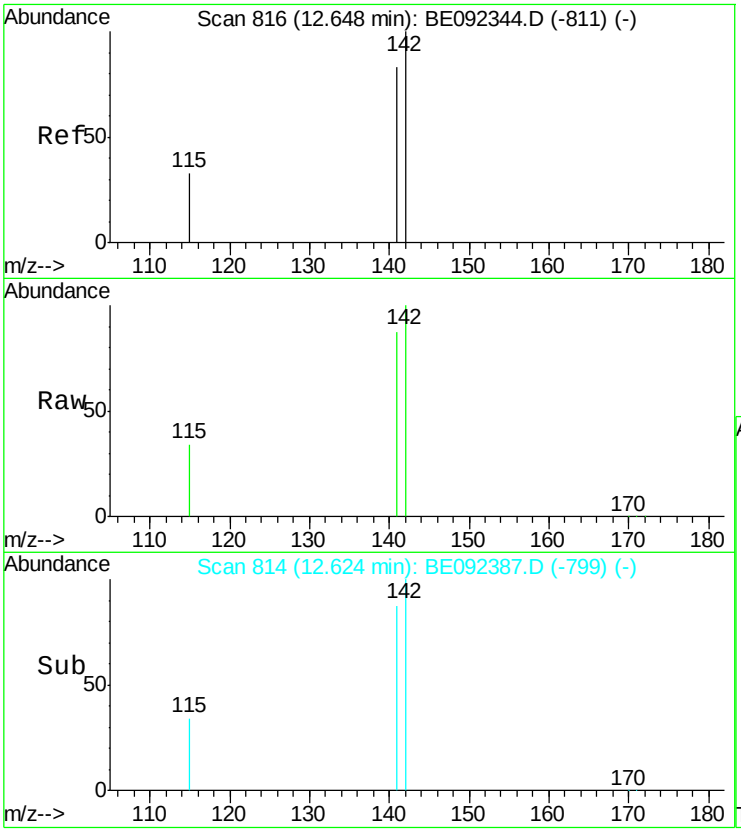


#10
Hexachlorobutadiene
Concen: 3.28 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:225 Resp: 6090

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.6	76.0
227	64.1	51.4	77.0



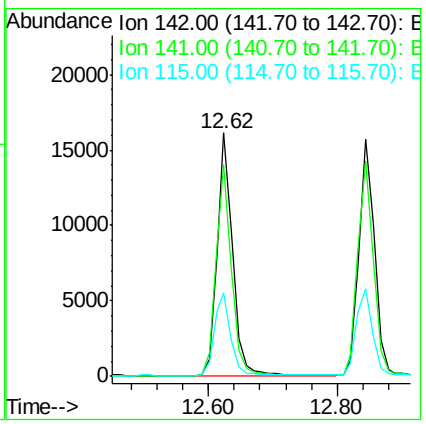


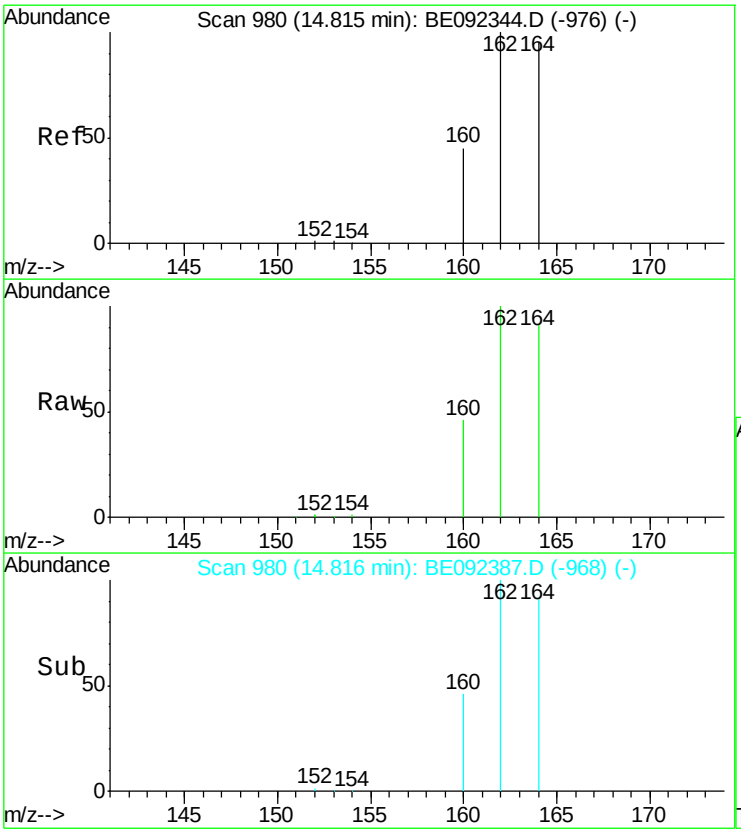
#11
2-Methylnaphthalene
Concen: 3.47 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:142 Resp: 27095

Ion	Ratio	Lower	Upper
142	100		
141	87.1	73.7	110.5
115	34.3	34.0	51.0

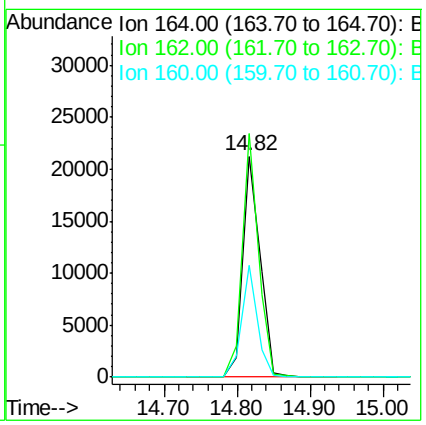


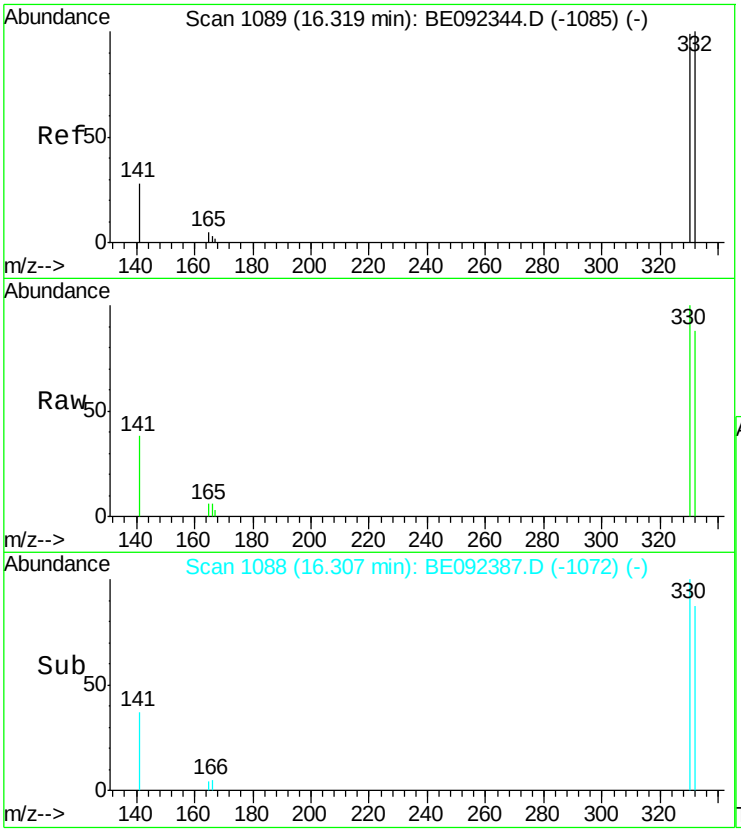


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:164 Resp: 34430

Ion	Ratio	Lower	Upper
164	100		
162	110.1	71.4	107.0#
160	50.6	27.4	41.2#



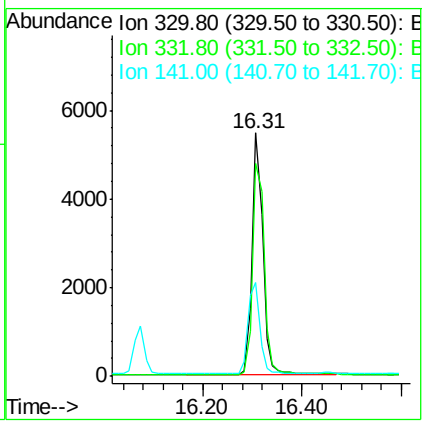


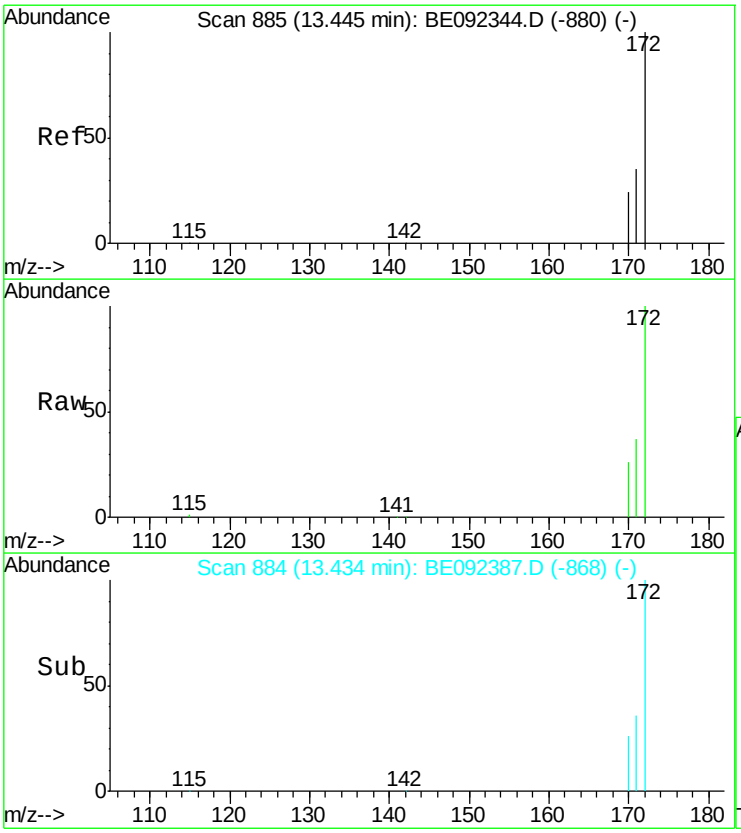
#13
2,4,6-Tribromophenol
Concen: 7.80 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:330 Resp: 8319

Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.4	113.0
141	41.5	31.0	46.6

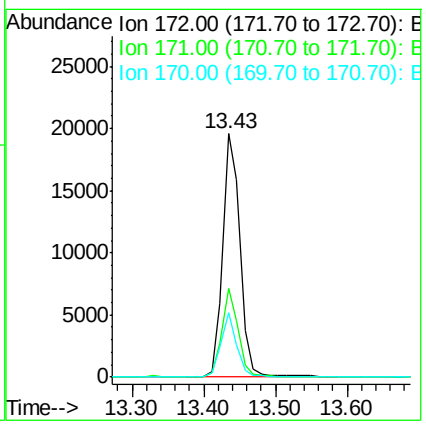


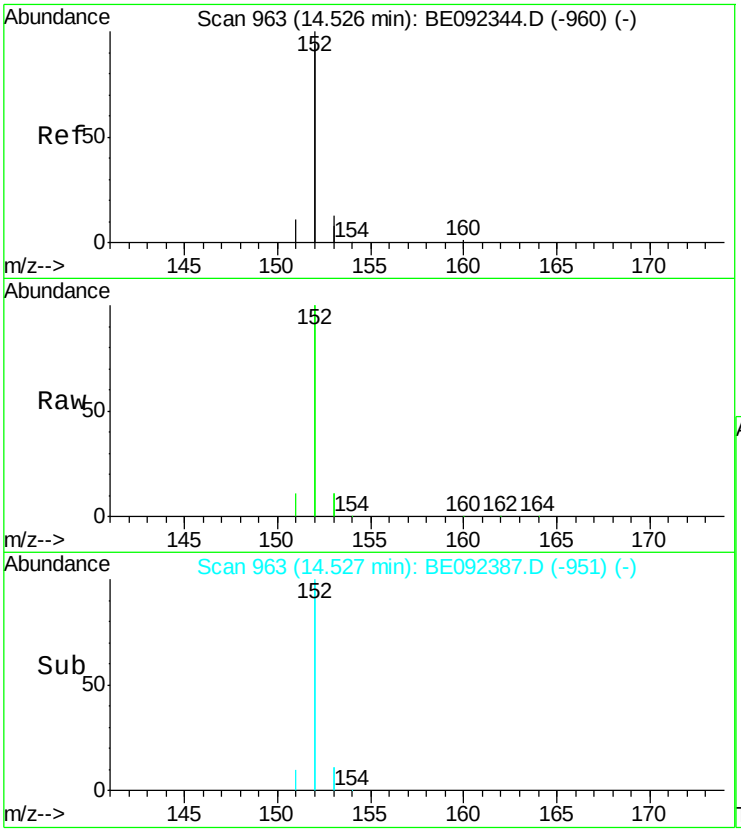


#14
2-Fluorobiphenyl
Concen: 3.07 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:172 Resp: 32424

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.1	45.1
170	26.3	21.8	32.6



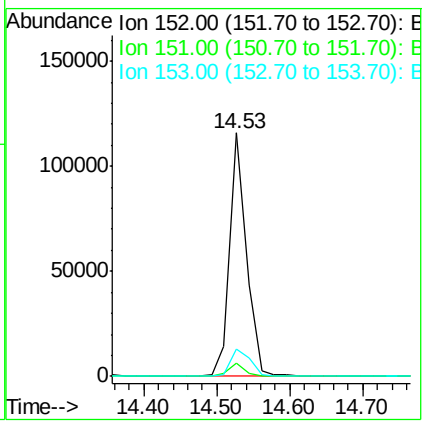


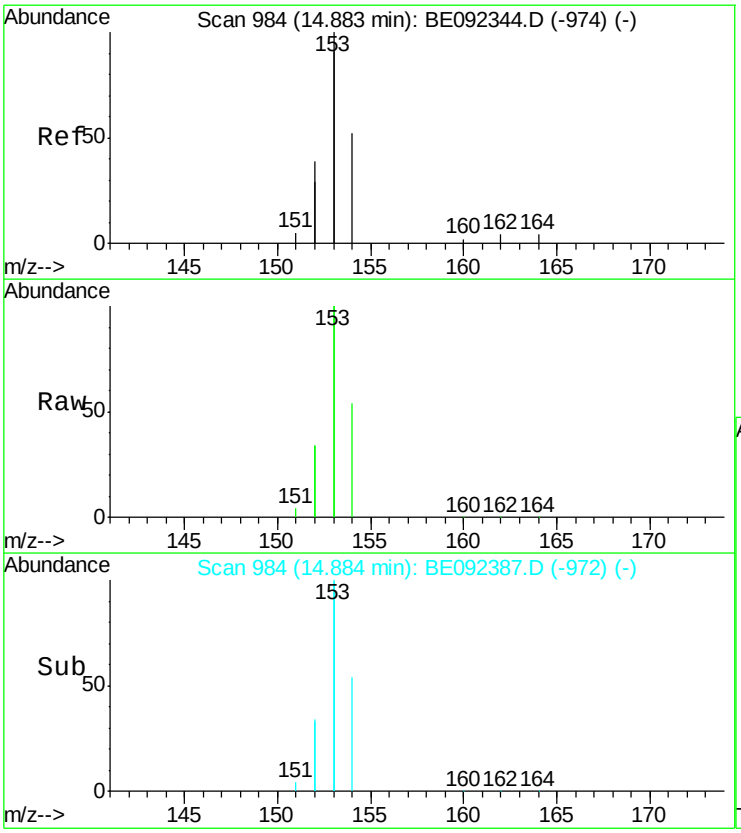
#15
Acenaphthylene
Concen: 3.07 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:152 Resp: 181769

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.0	10.4	15.6

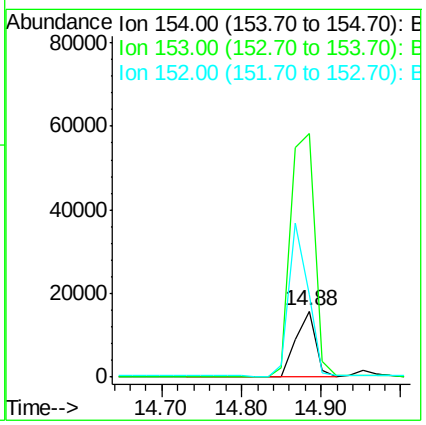


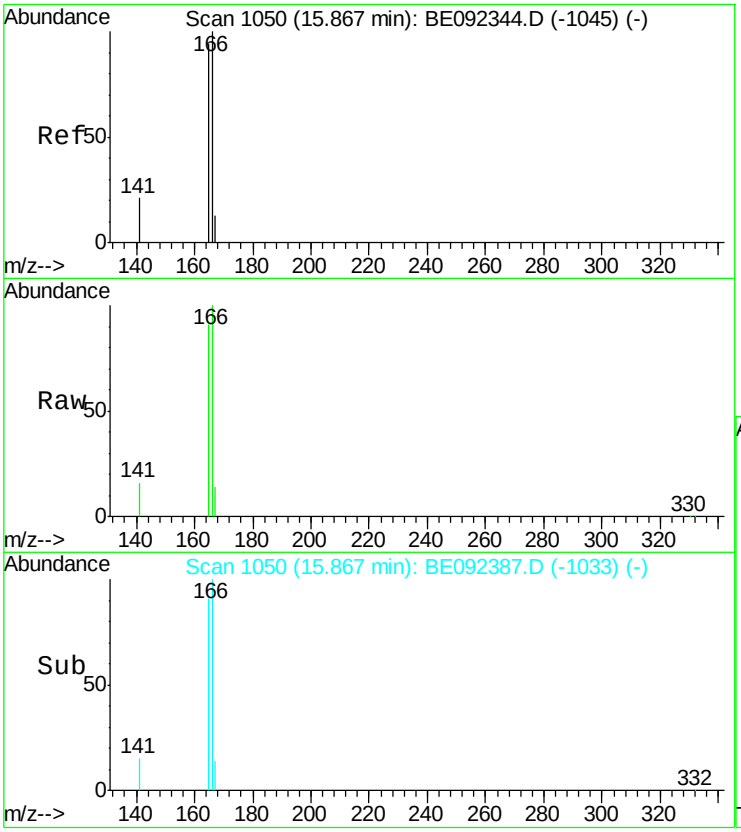


#16
Acenaphthene
Concen: 2.81 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:154 Resp: 26962

Ion	Ratio	Lower	Upper
154	100		
153	452.7	350.8	526.2
152	228.0	171.1	256.7



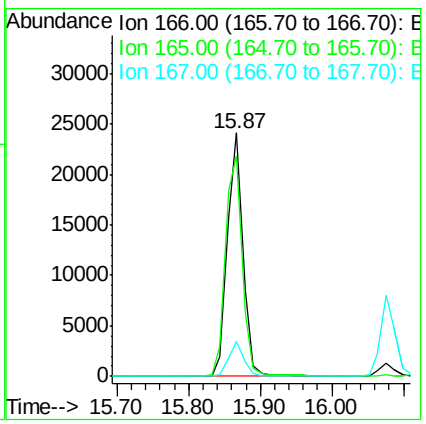


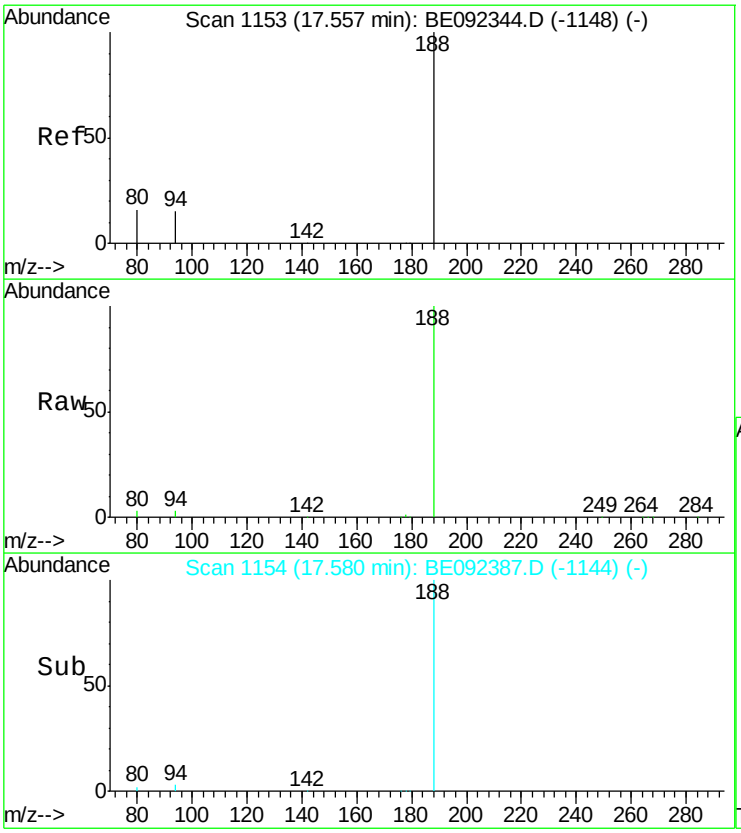
#17
Fluorene
Concen: 3.00 ng
RT: 15.87 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:166 Resp: 36120

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.4
167	13.4	11.0	16.4

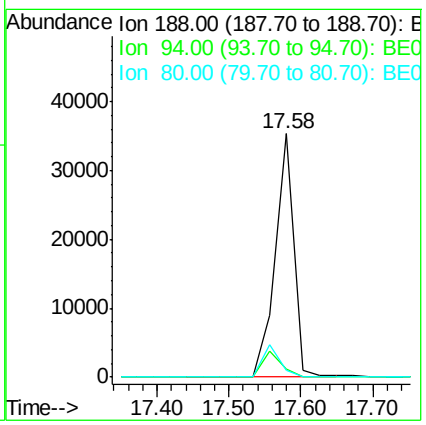


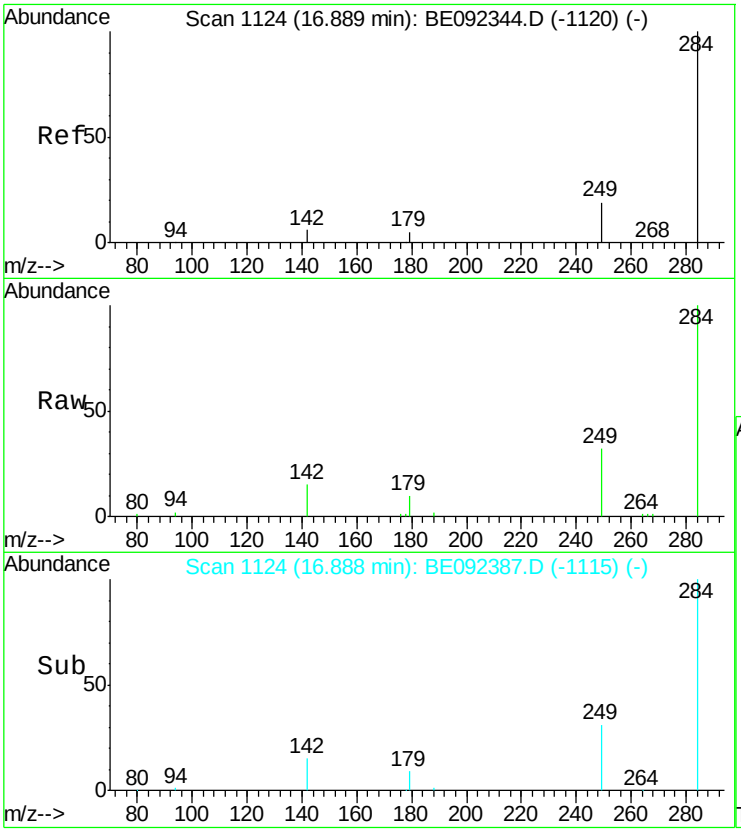


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:188 Resp: 63006

Ion	Ratio	Lower	Upper
188	100		
94	3.3	3.2	4.8
80	2.7	2.6	3.8



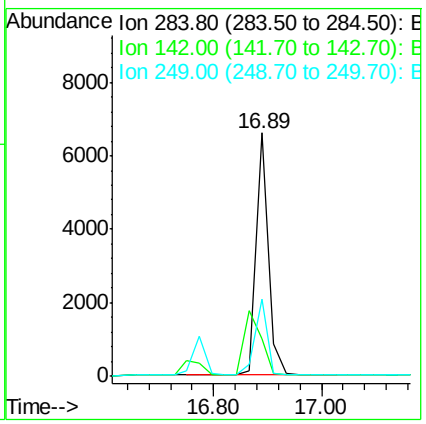


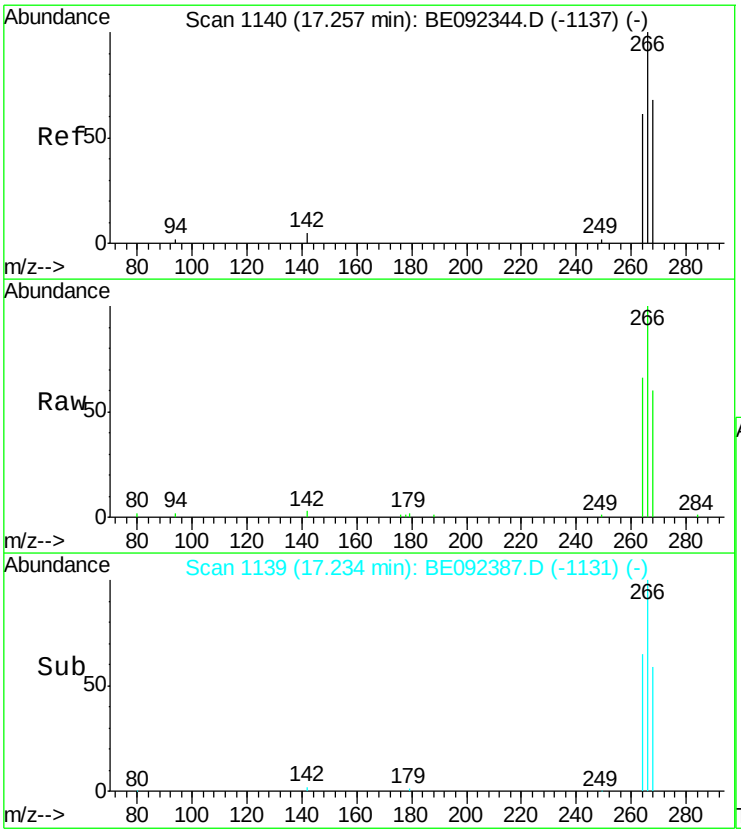
#19
Hexachlorobenzene
Concen: 3.48 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:284 Resp: 10496

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	31.4	27.9	41.9

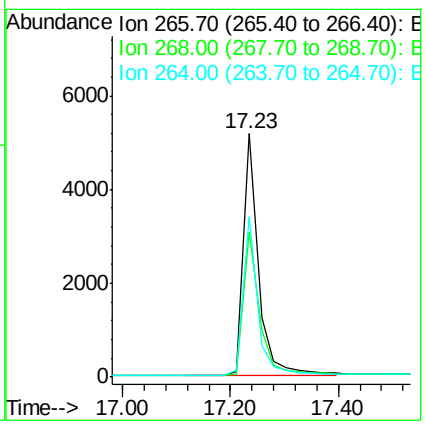


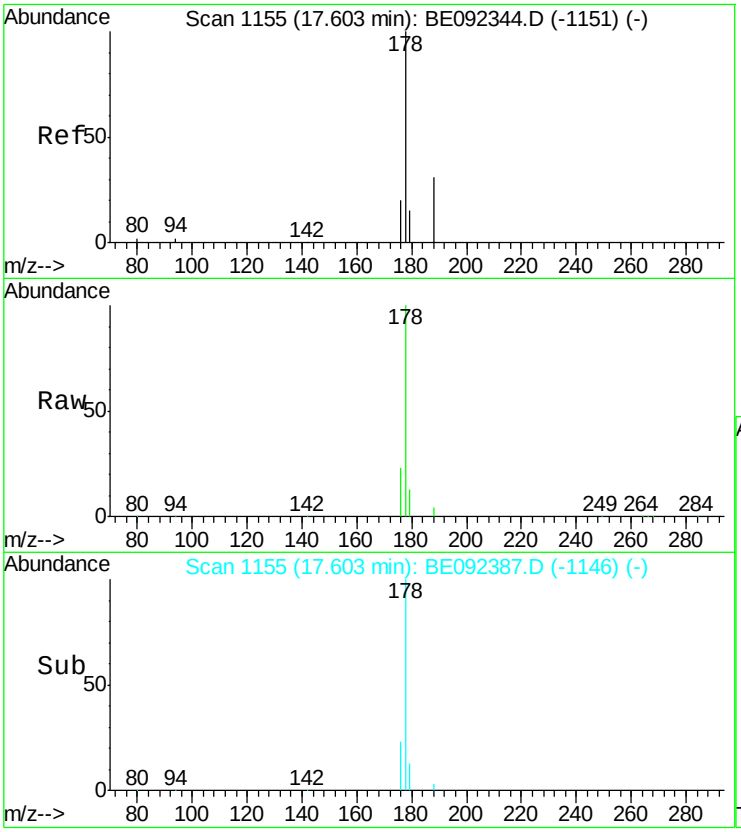


#20
Pentachlorophenol
Concen: 6.43 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:266 Resp: 9836

Ion	Ratio	Lower	Upper
266	100		
268	59.5	62.5	93.7#
264	65.8	57.2	85.8



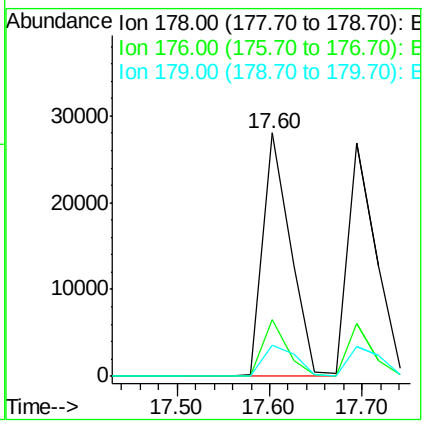


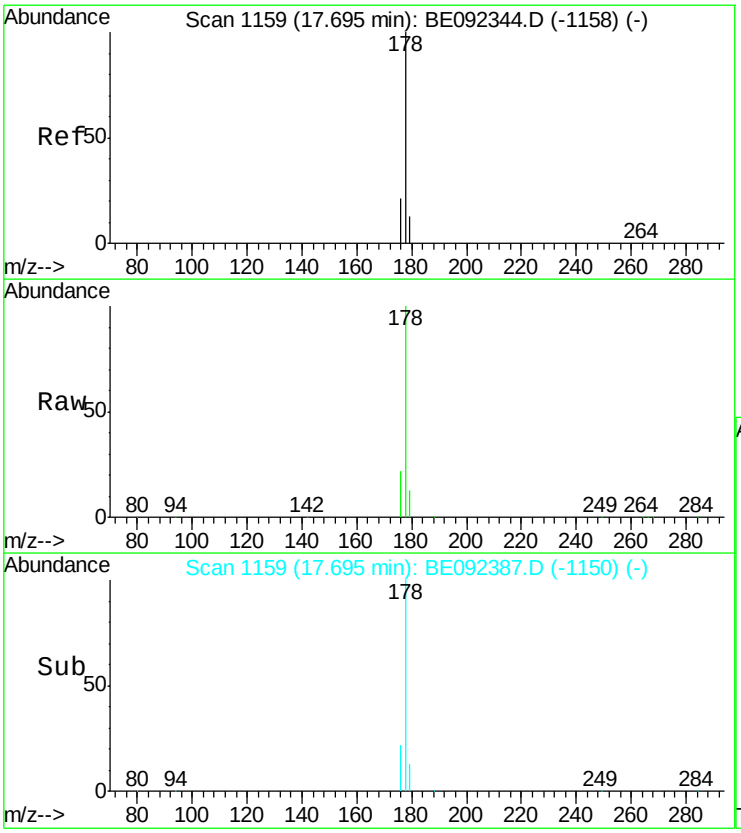
#21
Phenanthrene
Concen: 3.24 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:178 Resp: 57342

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	14.9	16.0	24.0#

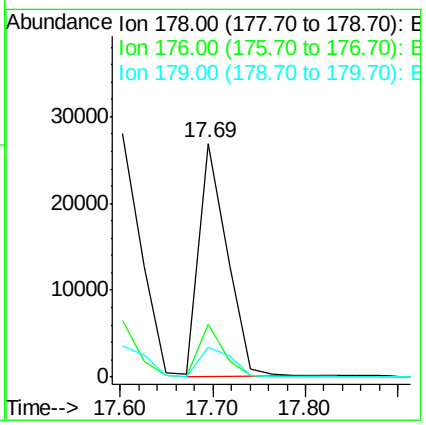


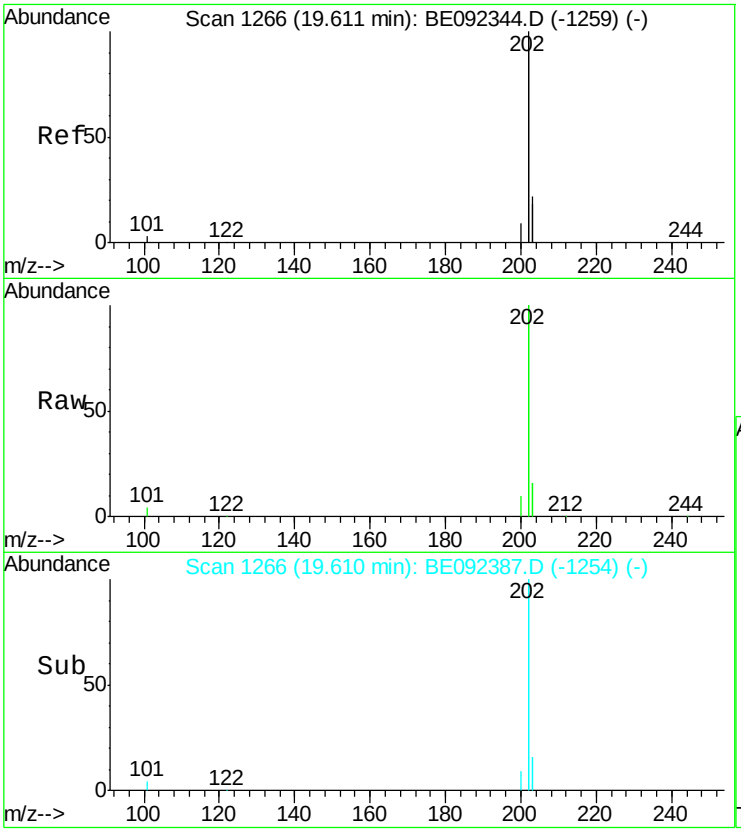


#22
Anthracene
Concen: 3.56 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:178 Resp: 56108

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.0	22.4
179	14.7	12.2	18.2



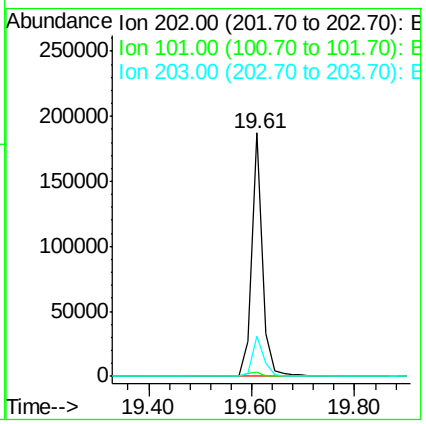


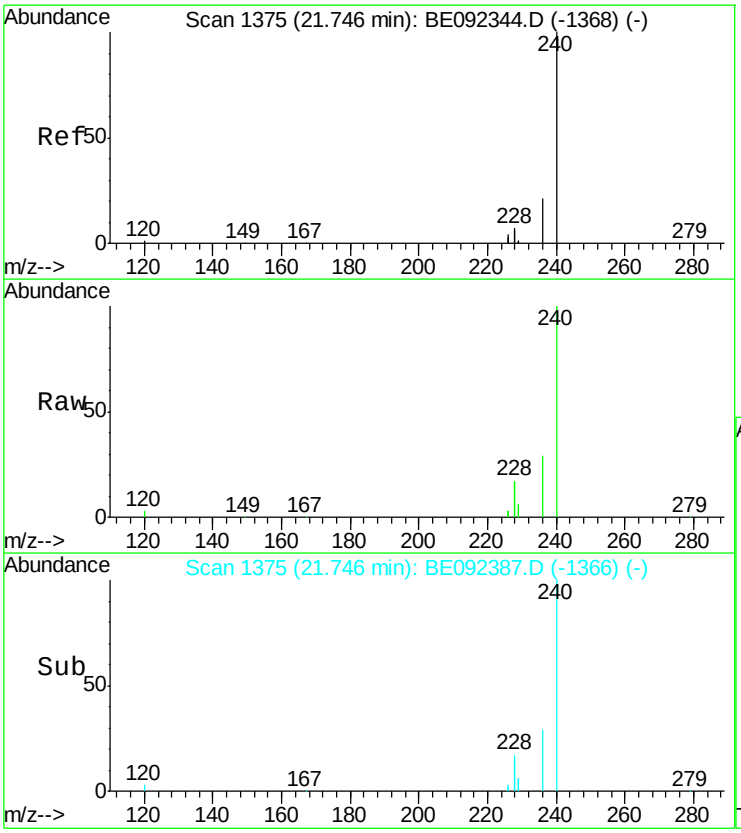
#23
Fluoranthene
Concen: 3.40 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:202 Resp: 262589

Ion	Ratio	Lower	Upper
202	100		
101	2.7	2.2	3.4
203	17.3	13.7	20.5

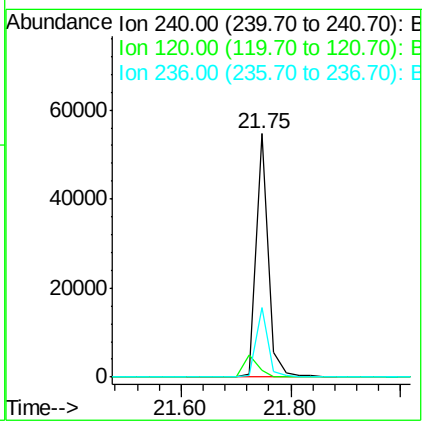


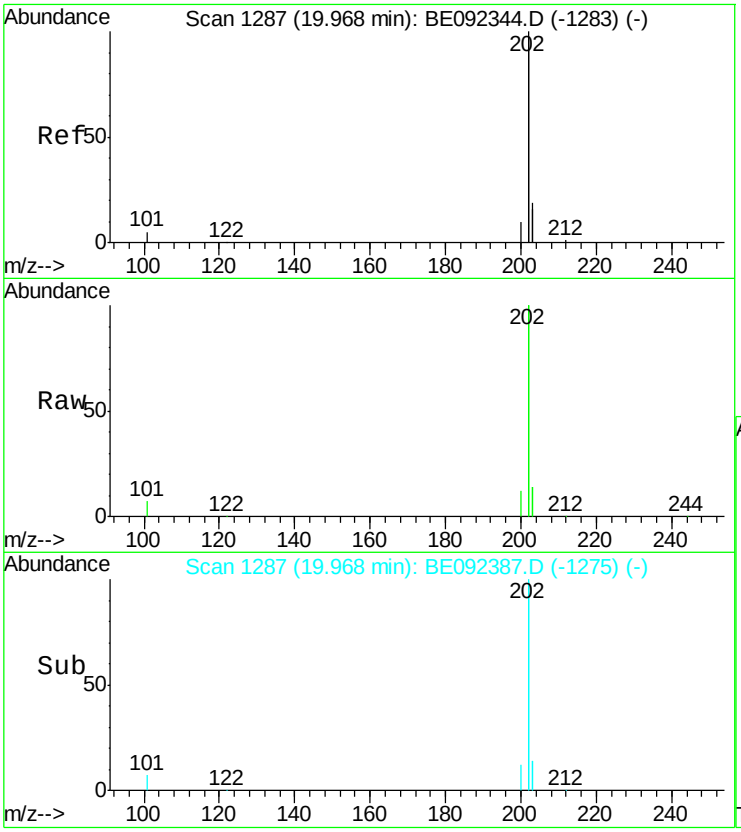


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:240 Resp: 84795

Ion	Ratio	Lower	Upper
240	100		
120	2.7	2.6	4.0
236	28.6	24.6	37.0



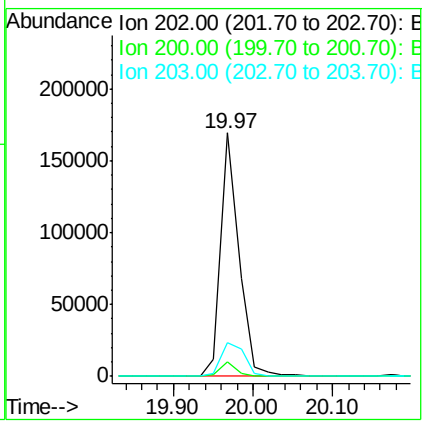


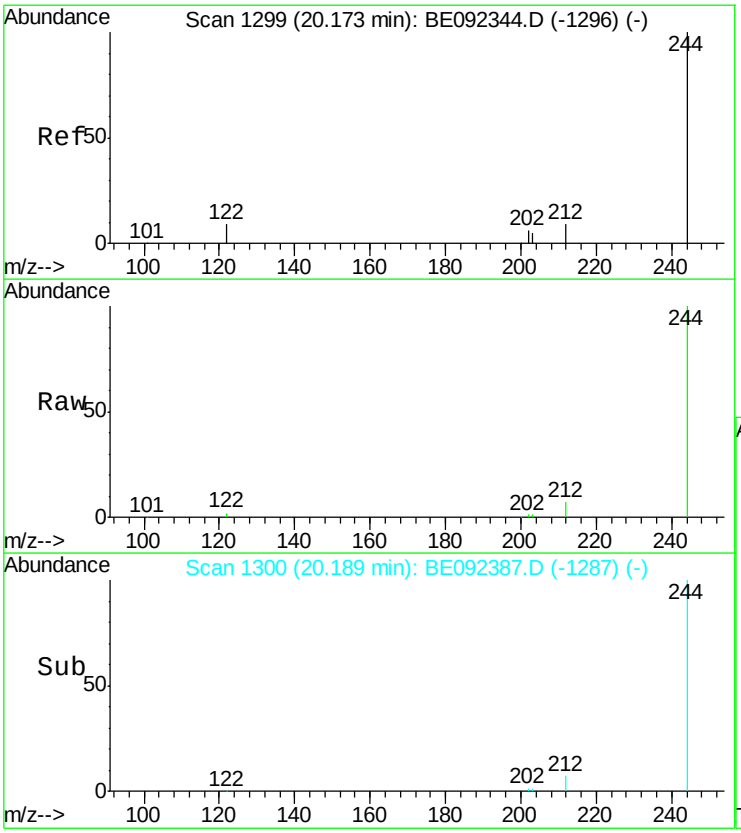
#25
Pyrene
Concen: 3.22 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:202 Resp: 265509

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.8	13.9	20.9

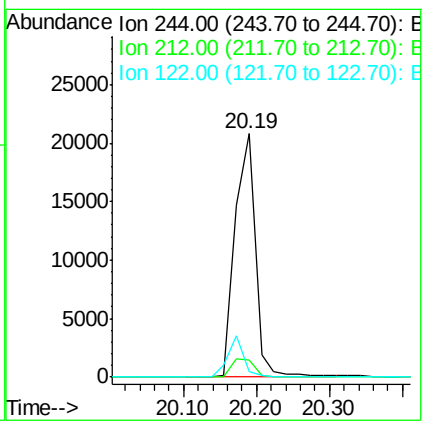


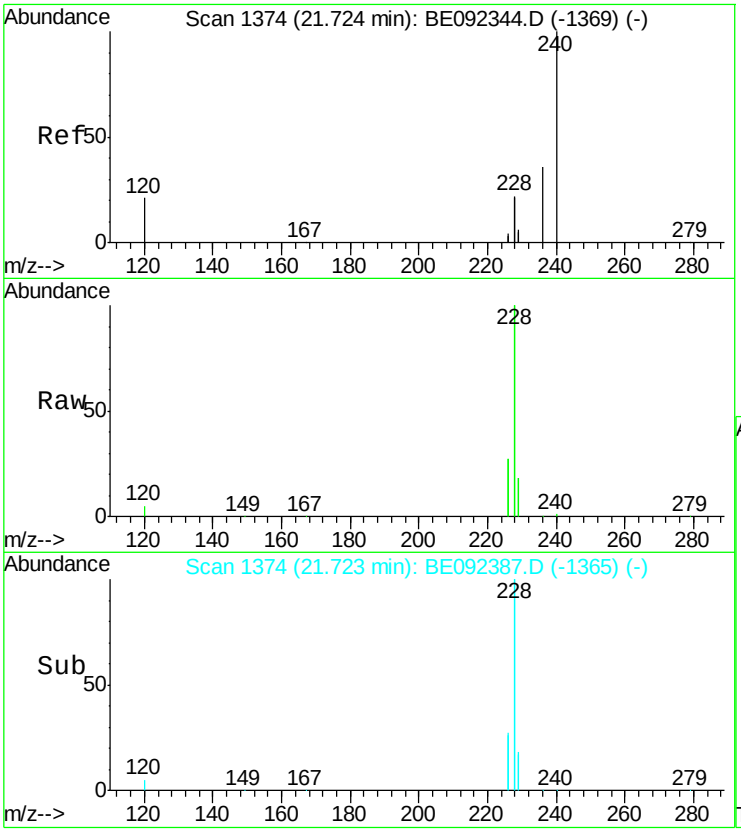


#26
Terphenyl-d14
Concen: 3.14 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:244 Resp: 39441

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.7	10.1
122	2.2	3.6	5.4#



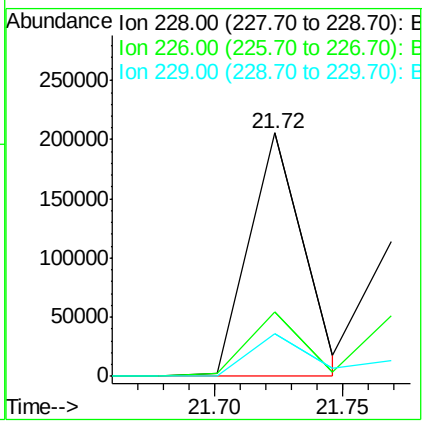


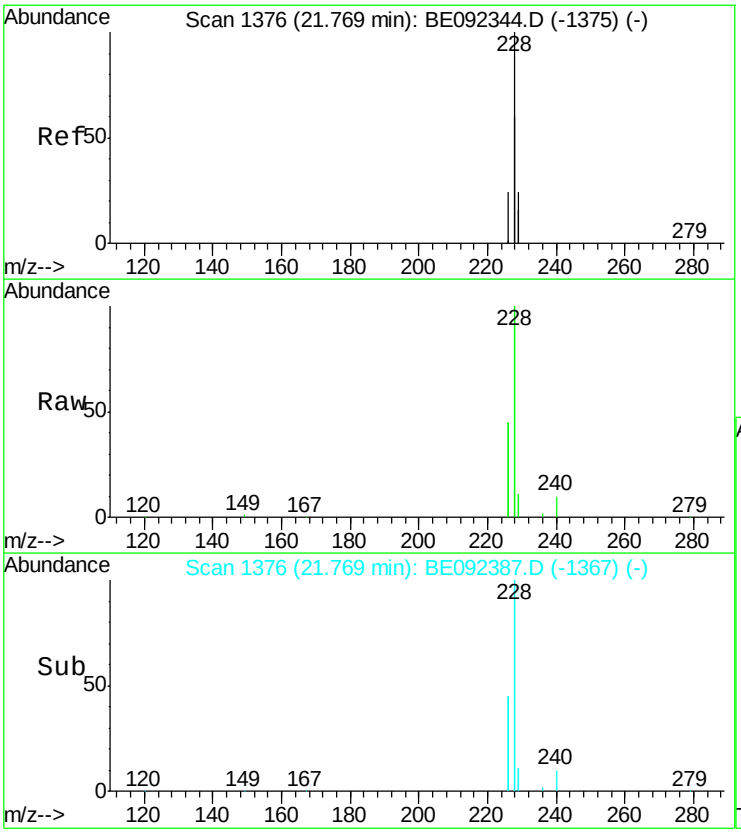
#27
Benzo(a)anthracene
Concen: 3.36 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:228 Resp: 307472

Ion	Ratio	Lower	Upper
228	100		
226	26.5	23.6	35.4
229	17.6	13.3	19.9

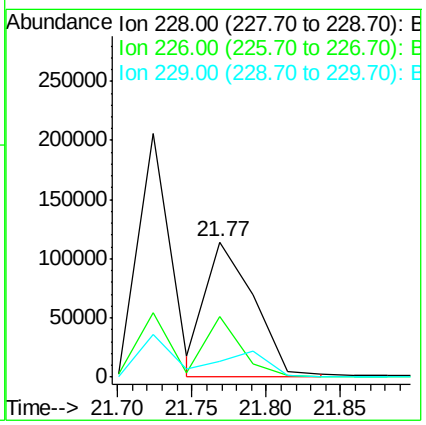


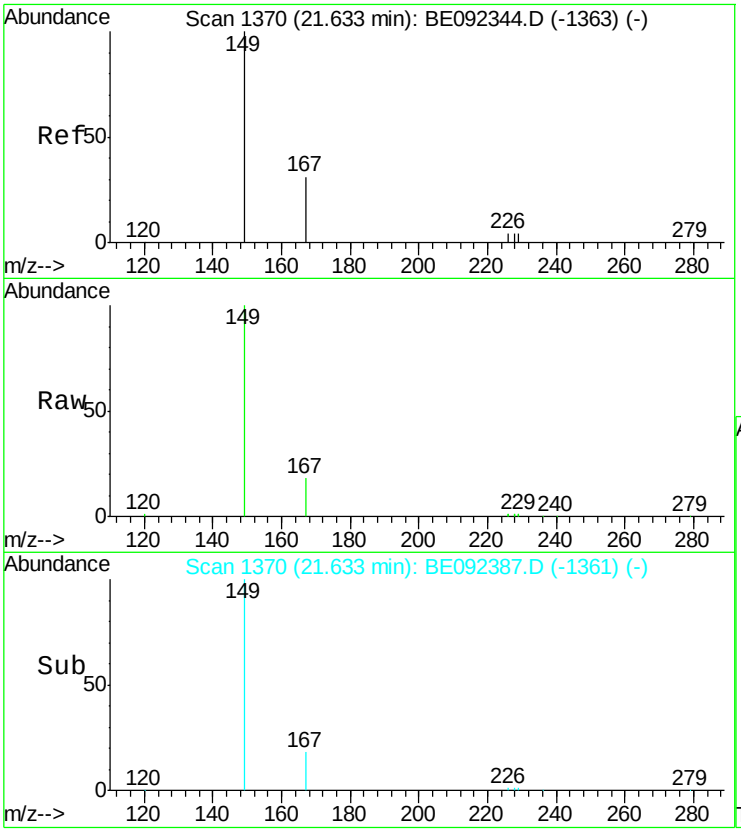


#28
Chrysene
Concen: 3.03 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:228 Resp: 259552

Ion	Ratio	Lower	Upper
228	100		
226	45.2	36.3	54.5
229	11.5	10.6	16.0



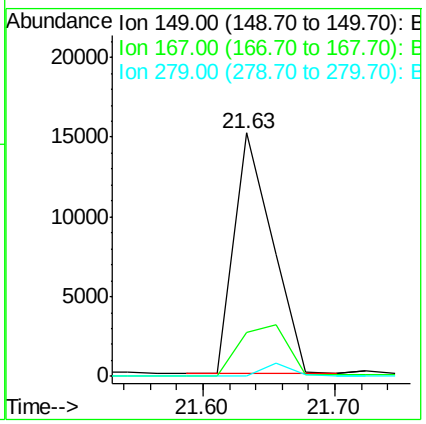


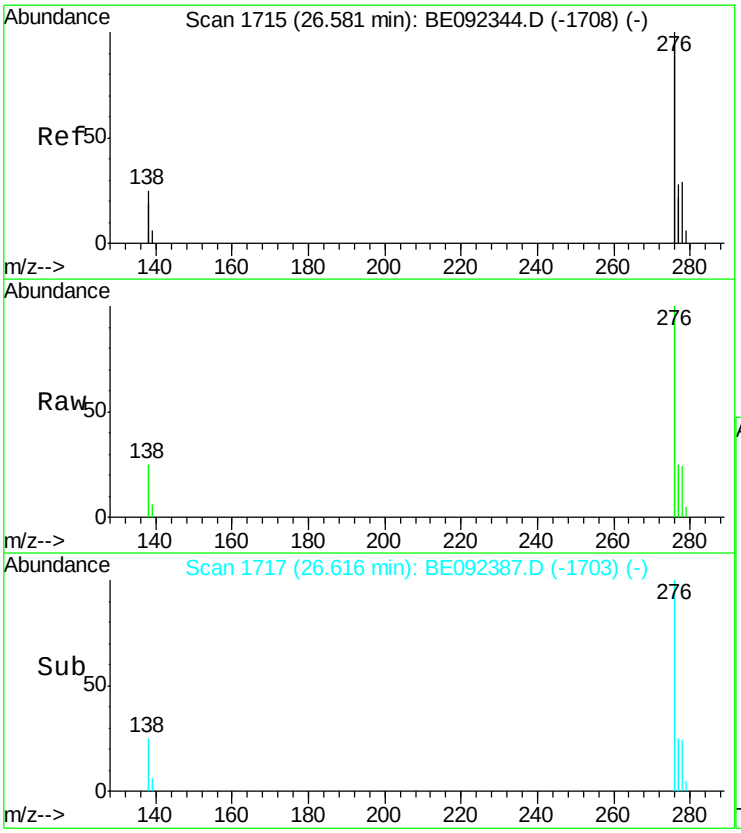
#29
Bis(2-ethylhexyl)phthalate
Concen: 2.25 ng
RT: 21.63 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:149 Resp: 30885

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

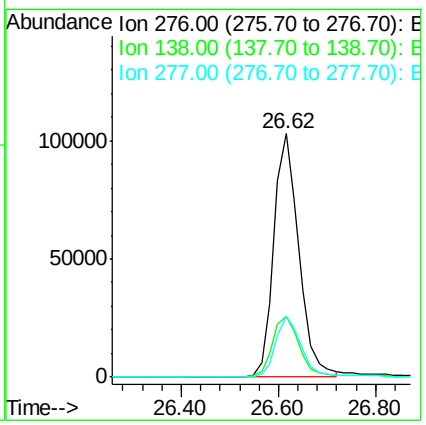


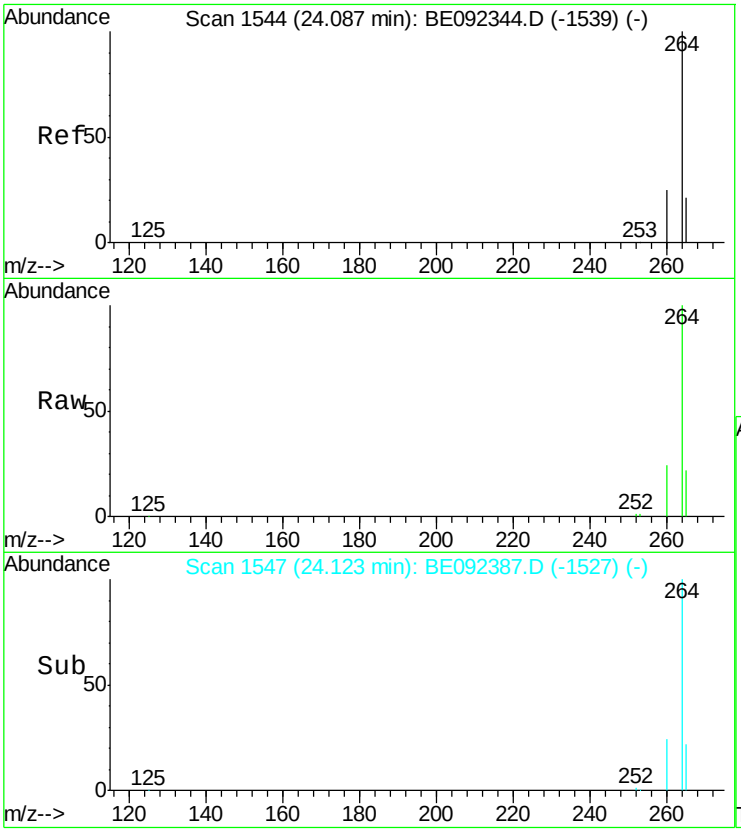


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.80 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.03 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:276 Resp: 365873

Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.3	30.5
277	24.8	19.7	29.5



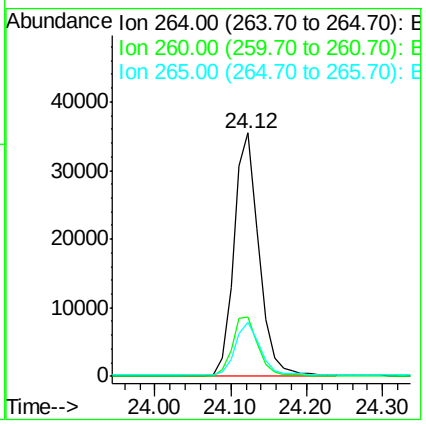


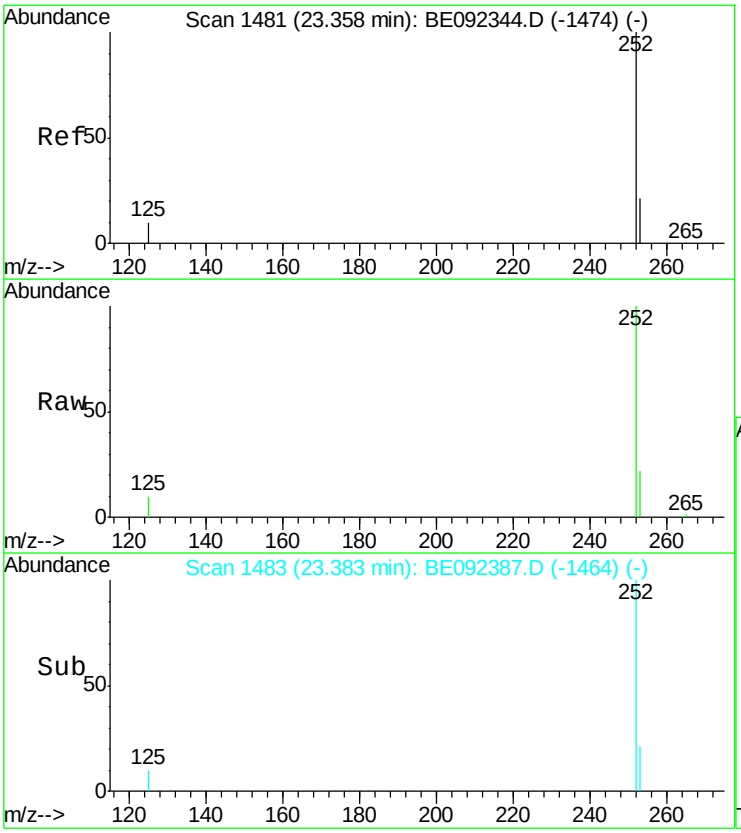
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:264 Resp: 81456

Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	22.4	17.9	26.9

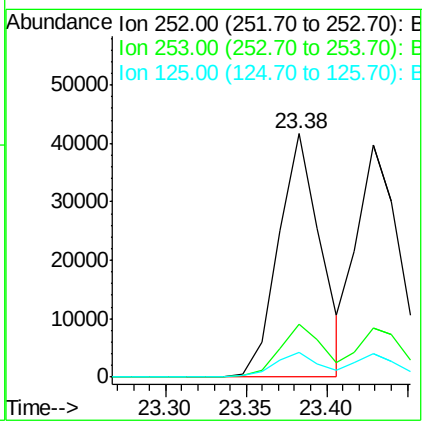


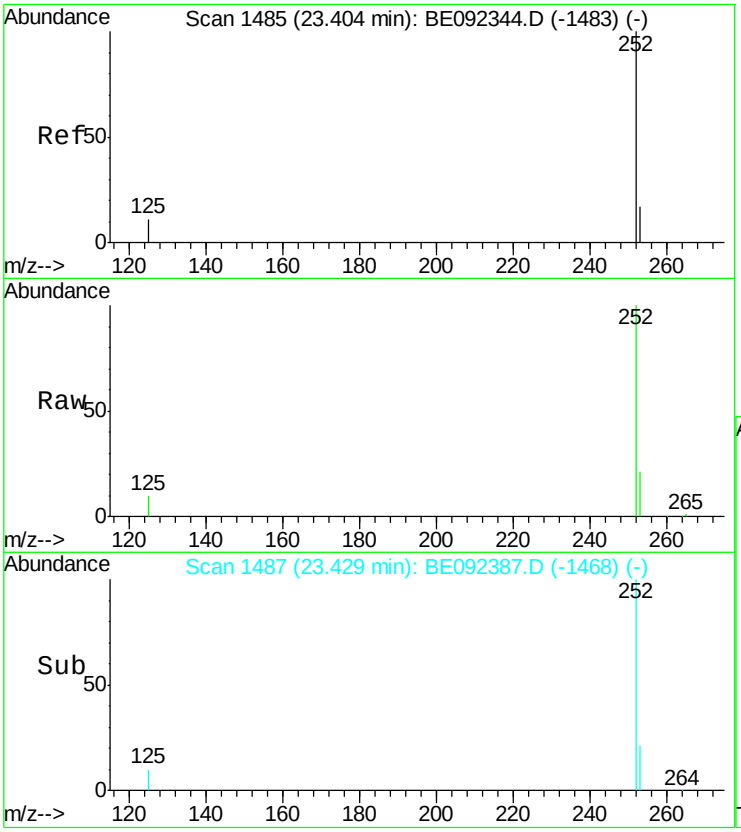


#32
Benzo(b)fluoranthene
Concen: 3.62 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:252 Resp: 75715

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.7	28.1
125	10.0	10.5	15.7#



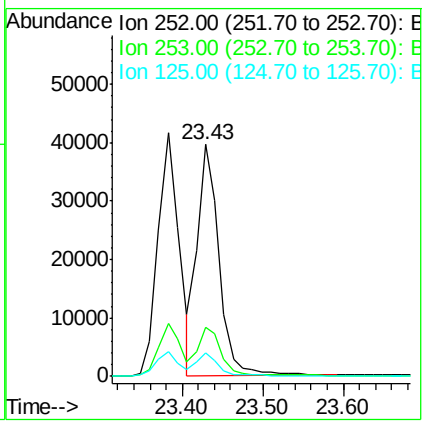


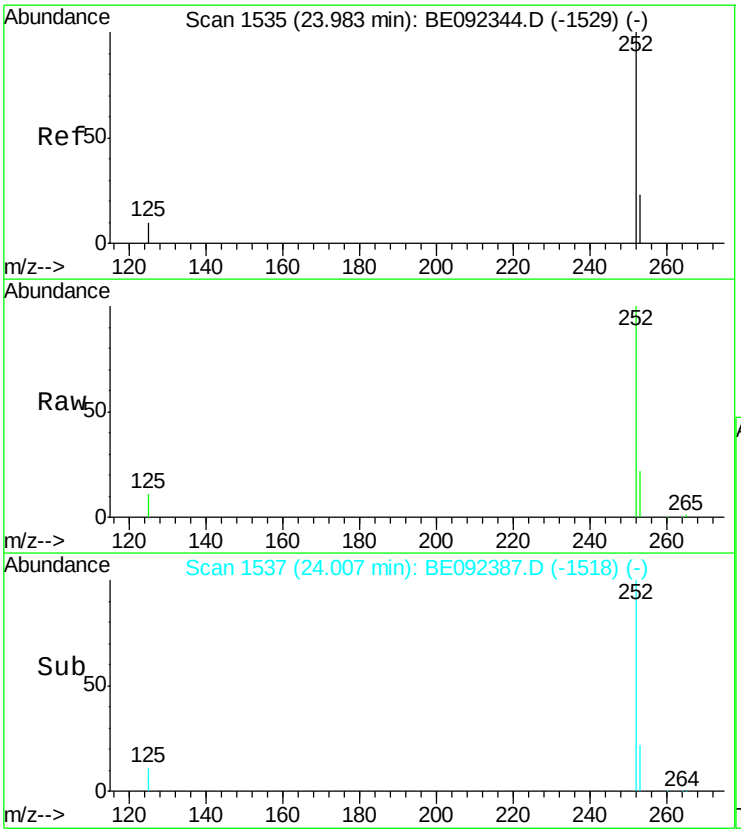
#33
Benzo(k)fluoranthene
Concen: 3.39 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:252 Resp: 74976

Ion	Ratio	Lower	Upper
252	100		
253	21.4	20.3	30.5
125	10.2	9.6	14.4

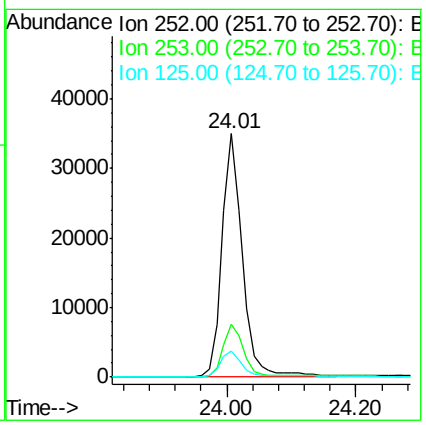


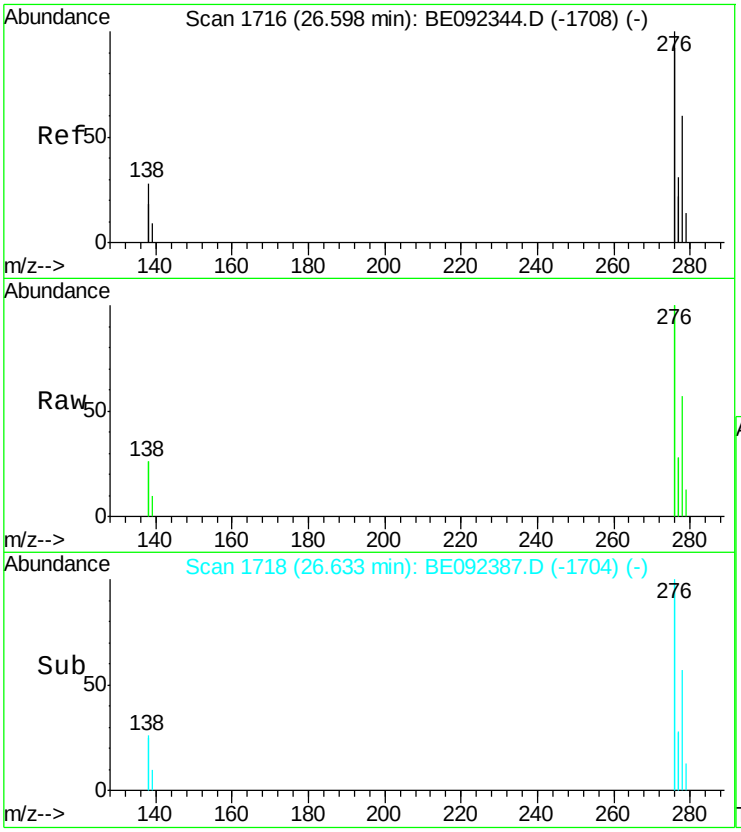


#34
Benzo(a)pyrene
Concen: 3.67 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:252 Resp: 75558

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.6
125	10.9	11.8	17.8#



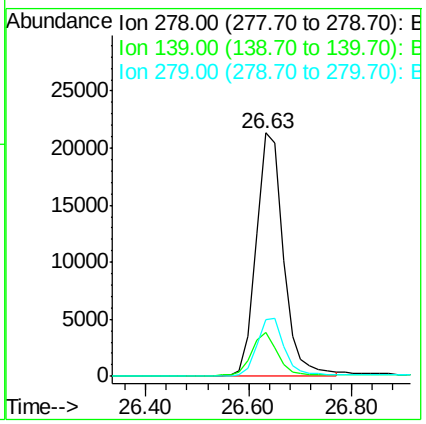


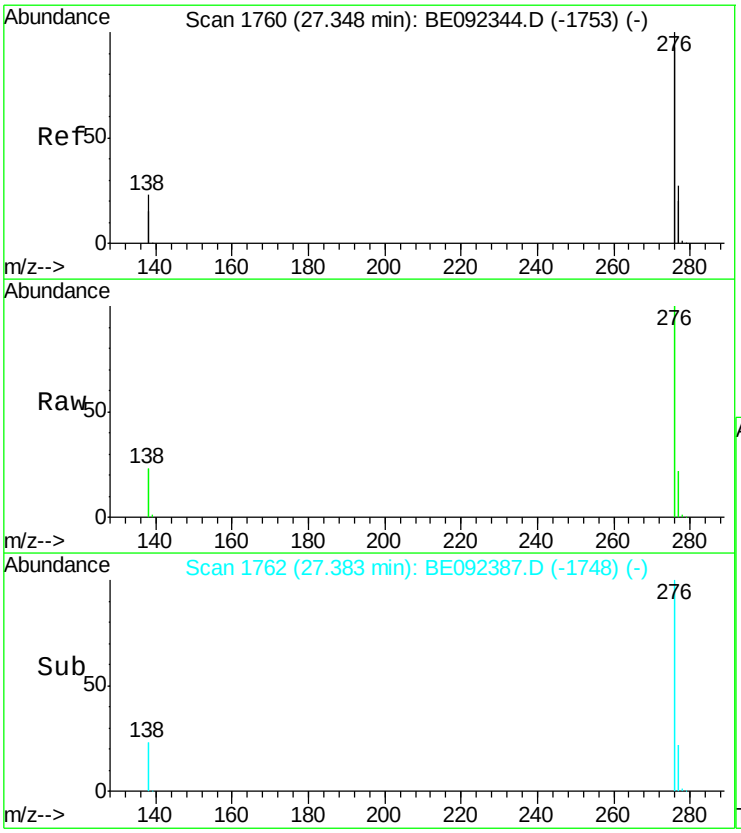
#35
Dibenzo(a,h)anthracene
Concen: 4.03 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.03 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
PB93386BSD

Tgt Ion:278 Resp: 76761

Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.8	20.8
279	23.6	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 3.97 ng
RT: 27.38 min Scan# 1762
Delta R.T. 0.03 min
Lab File: BE092387.D
Acq: 16 Sep 2016 11:30

Tgt Ion:276 Resp: 319223

Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.8	29.8
138	23.4	19.8	29.6