Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121916\
Data File : BE092610.D
Acq On : 19 Dec 2016 16:38
Operator : UM/SJ
Sample : PB95417BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB95417BS

Quant Time: Dec 20 00:52:05 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9450	5.00	ng		0.00
7) Naphthalene-d8	10.91	136	41086	5.00	ng		-0.02
12) Acenaphthene-d10	14.80	164	25336	5.00	ng		0.00
18) Phenanthrene-d10	17.53	188	44443	5.00	ng		-0.02
24) Chrysene-d12	21.72	240	56053	5.00	ng		0.00
31) Perylene-d12	24.06	264	55325	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.65	112	17608	9.59	ng		-0.03
5) Phenol-d6	7.31	99	25449	9.15	ng		-0.07
8) Nitrobenzene-d5	9.32	82	11919	4.22	ng		-0.05
13) 2,4,6-Tribromophenol	16.29	330	5518	7.55	ng		-0.02
14) 2-Fluorobiphenyl	13.41	172	27488	4.54	ng		-0.02
26) Terphenyl-d14	20.16	244	31322	4.56	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	4056	3.73	ng	#	56
3) n-Nitrosodimethylamine	3.74	42	6512	4.15	ng	#	94
6) bis(2-Chloroethyl)ether	7.57	93	10641	3.94	ng		91
9) Naphthalene	10.97	128	34648	4.11	ng		95
10) Hexachlorobutadiene	11.26	225	5203	4.06	ng		99
11) 2-Methylnaphthalene	12.60	142	22894	4.27	ng	#	90
15) Acenaphthylene	14.51	152	149654	4.28	ng		100
16) Acenaphthene	14.85	154	22223	3.86	ng		91
17) Fluorene	15.83	166	28992	4.10	ng		99
19) Hexachlorobenzene	16.86	284	8710	4.59	ng	#	63
20) Pentachlorophenol	17.21	266	5731	6.93	ng	#	85
21) Phenanthrene	17.58	178	51002	4.55	ng	#	95
22) Anthracene	17.67	178	49498	4.83	ng		99
23) Fluoranthene	19.58	202	199572	4.12	ng		99
25) Pyrene	19.95	202	206218	4.18	ng		99
27) Benzo(a)anthracene	21.70	228	210323	4.18	ng	#	81
28) Chrysene	21.70	228	210323	3.61	ng	#	63
29) Bis(2-ethylhexyl)phthalate	21.61	149	30964	4.09	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.53	276	289343	5.49	ng		97
32) Benzo(b)fluoranthene	23.34	252	56490	4.44	ng		95
33) Benzo(k)fluoranthene	23.38	252	61441	4.33	ng		93
34) Benzo(a)pyrene	23.96	252	57066	4.65	ng	#	95
35) Dibenzo(a,h)anthracene	26.57	278	59984	5.14	ng		95
36) Benzo(g,h,i)perylene	27.30	276	251837	5.04	ng		98

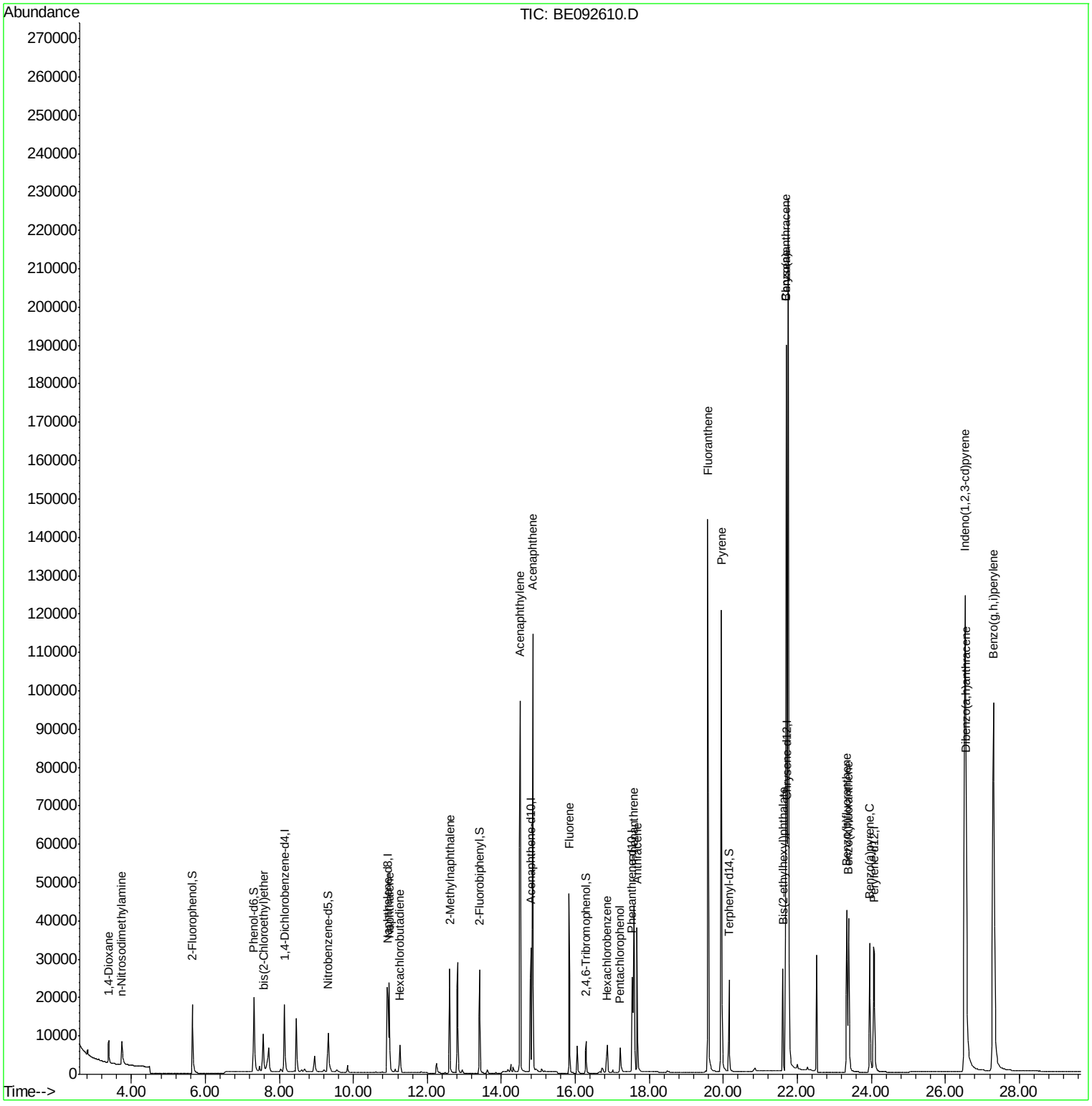
(#) = qualifier out of range (m) = manual integration (+) = signals summed

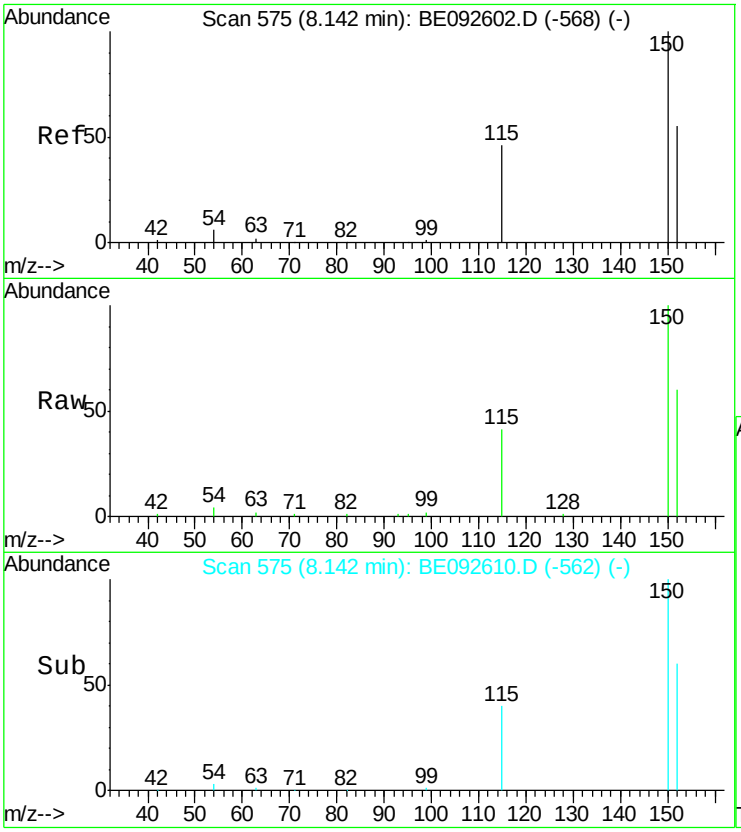
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE121916\
Data File : BE092610.D
Acq On : 19 Dec 2016 16:38
Operator : UM/SJ
Sample : PB95417BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Quant Time: Dec 20 00:52:05 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 16:16:32 2016
Response via : Initial Calibration



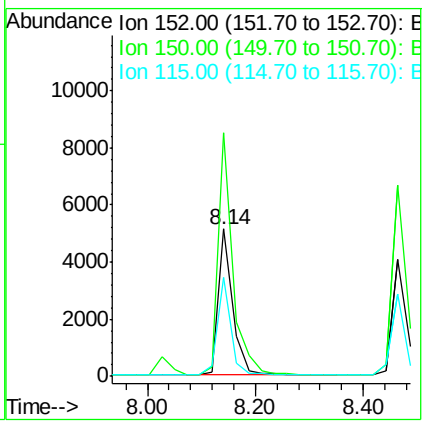


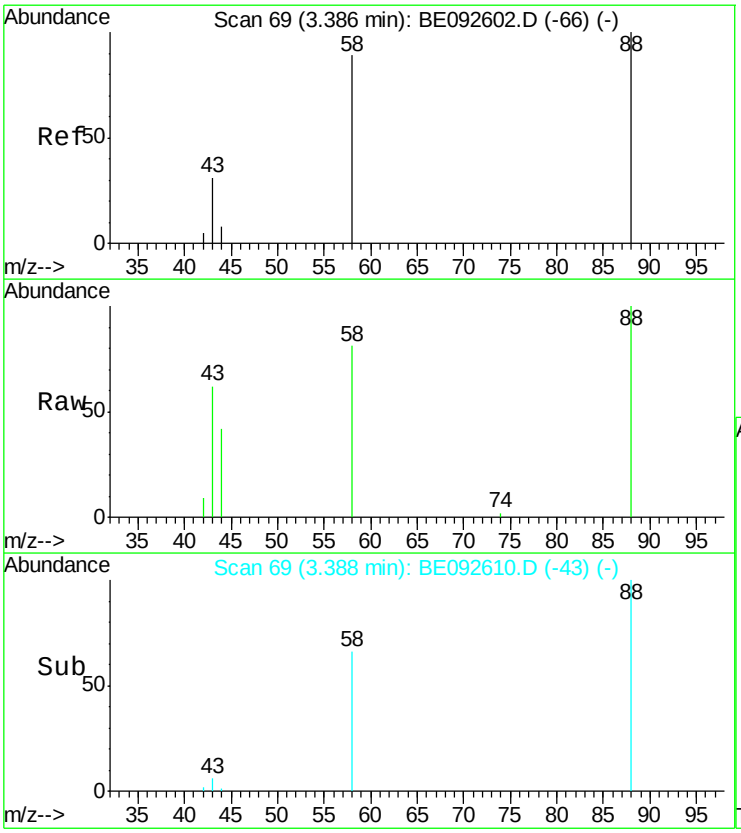
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:152 Resp: 9450

Ion	Ratio	Lower	Upper
152	100		
150	165.6	106.0	159.0#
115	67.2	31.2	46.8#

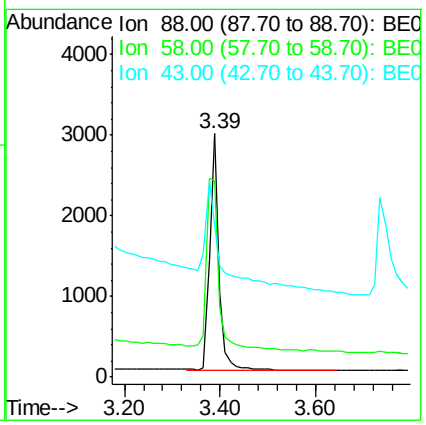


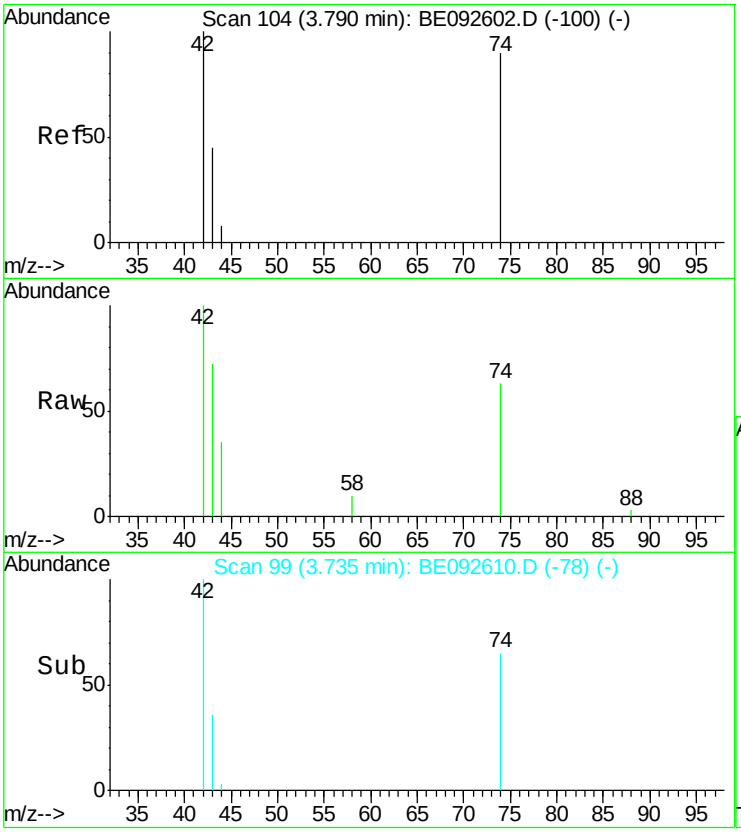


#2
1,4-Dioxane
Concen: 3.73 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion: 88 Resp: 4056

Ion	Ratio	Lower	Upper
88	100		
58	97.6	63.6	95.4#
43	91.0	28.0	42.0#



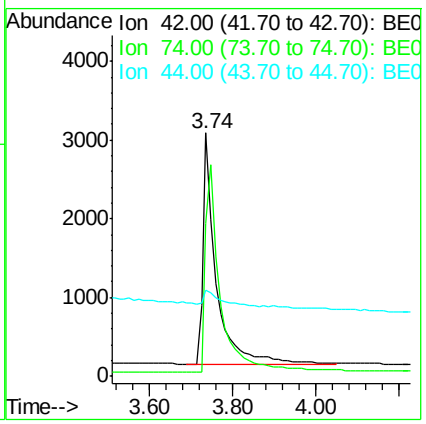


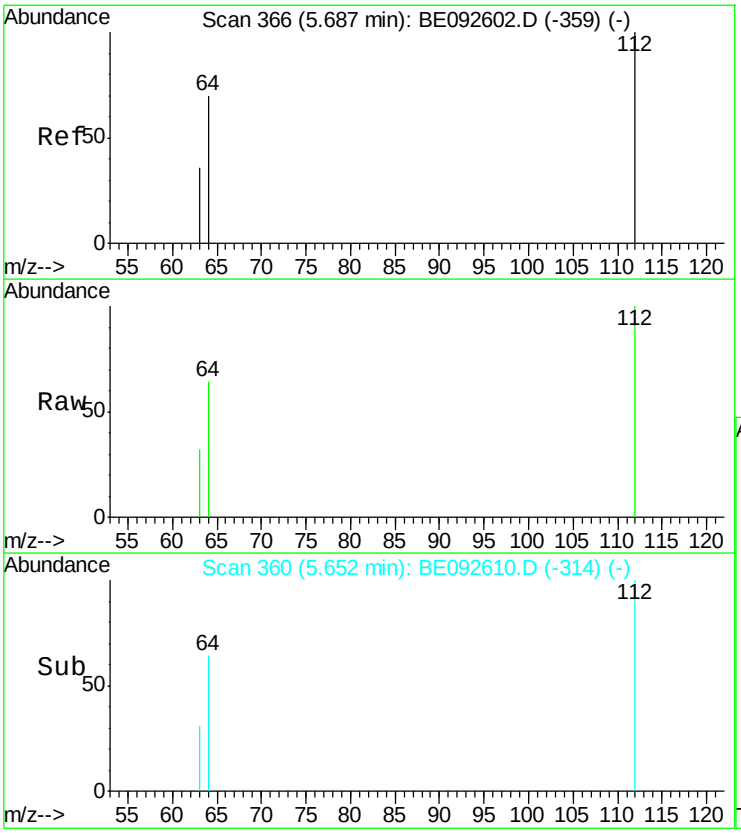
#3
n-Nitrosodimethylamine
Concen: 4.15 ng
RT: 3.74 min Scan# 99
Delta R.T. -0.05 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion: 42 Resp: 6512

Ion	Ratio	Lower	Upper
42	100		
74	102.8	86.0	129.0
44	15.6	5.1	7.7#

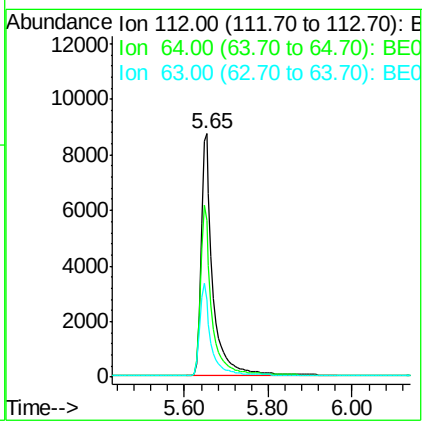


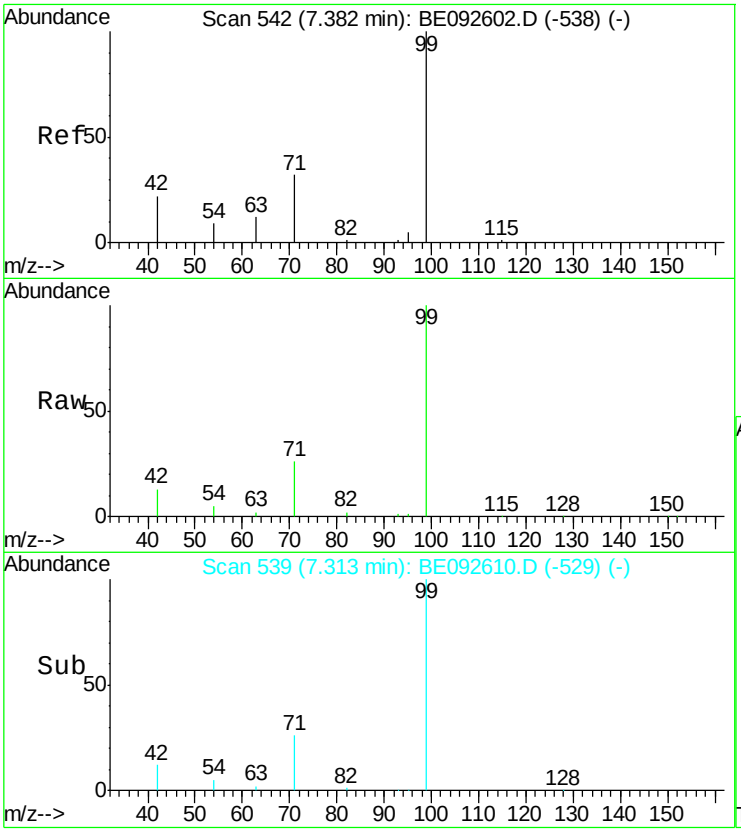


#4
2-Fluorophenol
Concen: 9.59 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.03 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:112 Resp: 17608

Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.5	80.3
63	36.8	27.9	41.9



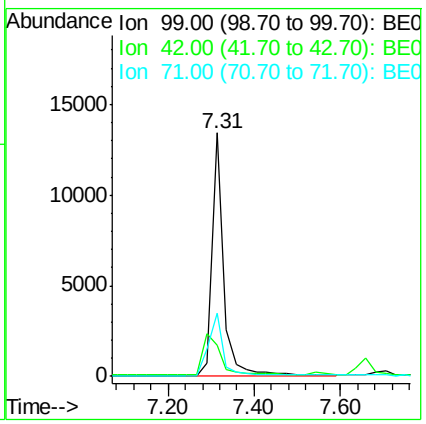


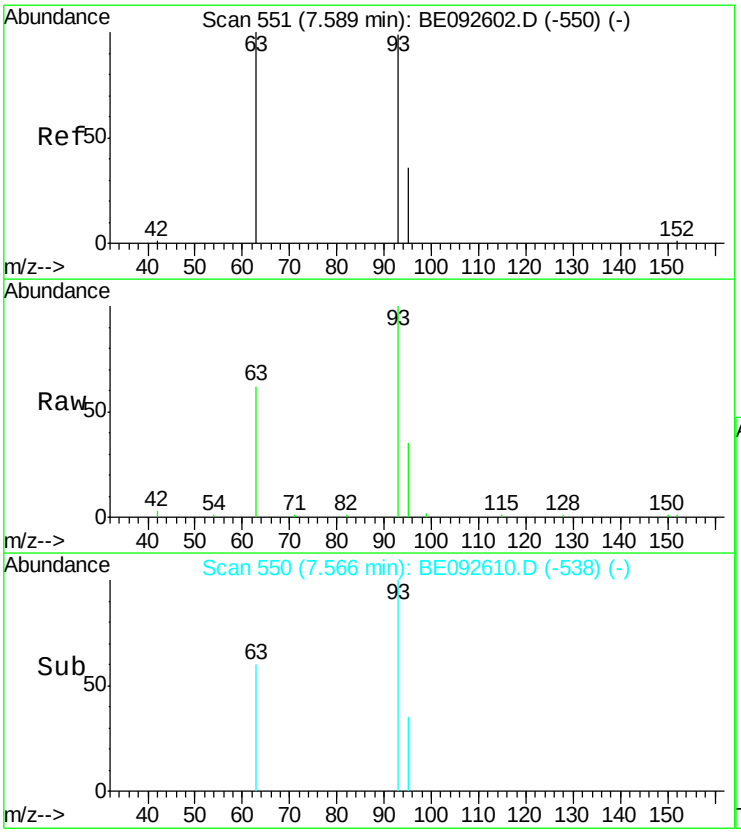
#5
Phenol-d6
Concen: 9.15 ng
RT: 7.31 min Scan# 539
Delta R.T. -0.07 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion: 99 Resp: 25449

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	32.2	30.6	45.8

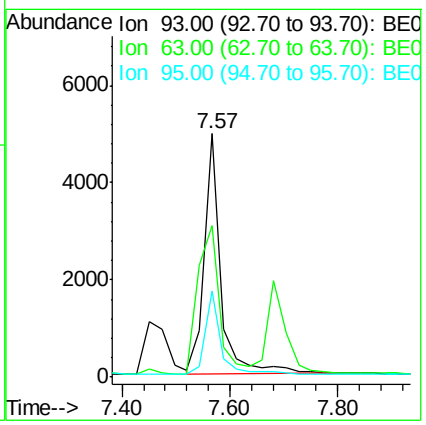


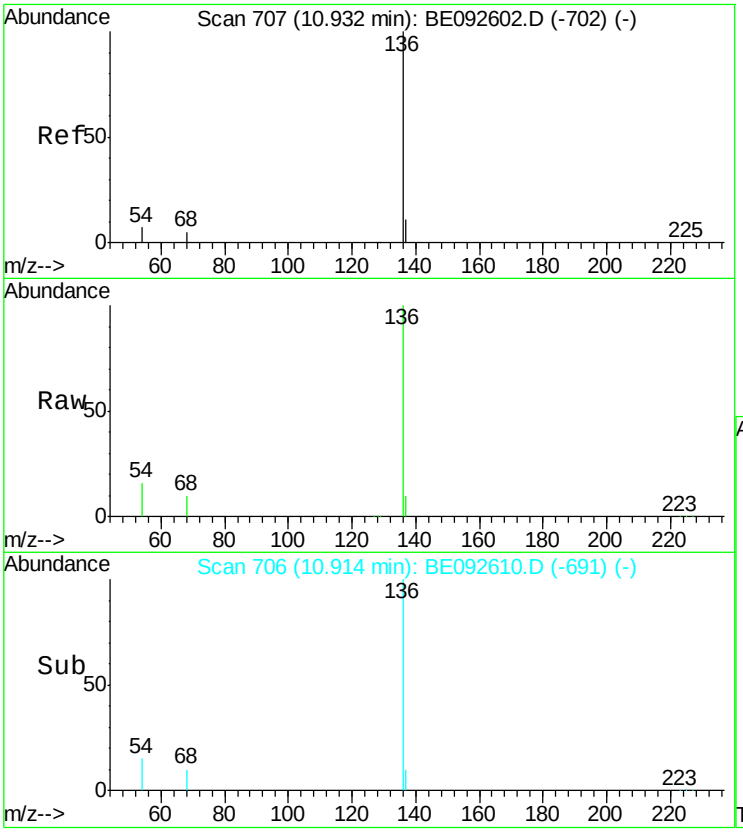


#6
bis(2-Chloroethyl)ether
Concen: 3.94 ng
RT: 7.57 min Scan# 550
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion: 93 Resp: 10641

Ion	Ratio	Lower	Upper
93	100		
63	80.4	71.6	107.4
95	33.2	24.0	36.0



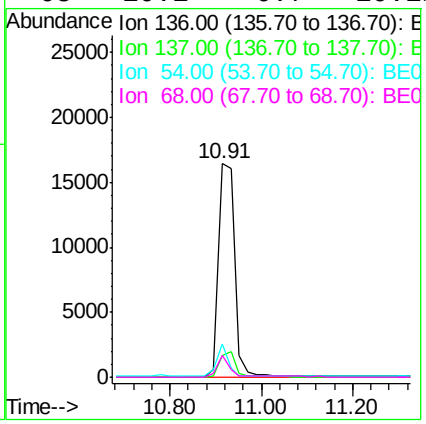


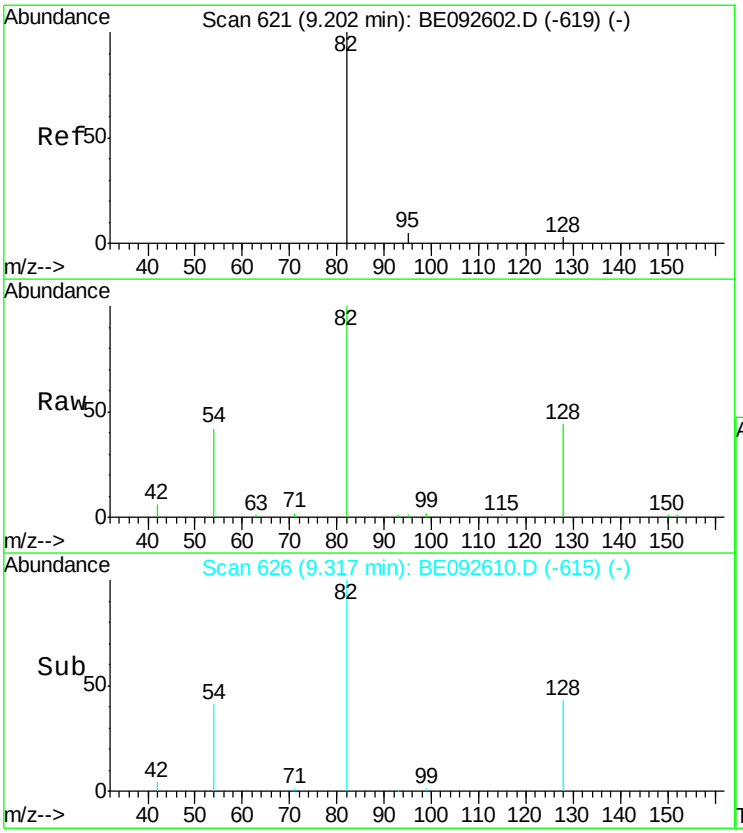
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.91 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:136 Resp: 41086

Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.2	12.4
54	15.8	9.6	14.4#
68	10.1	6.7	10.1#

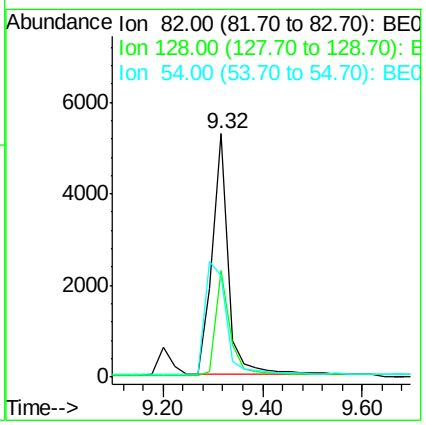


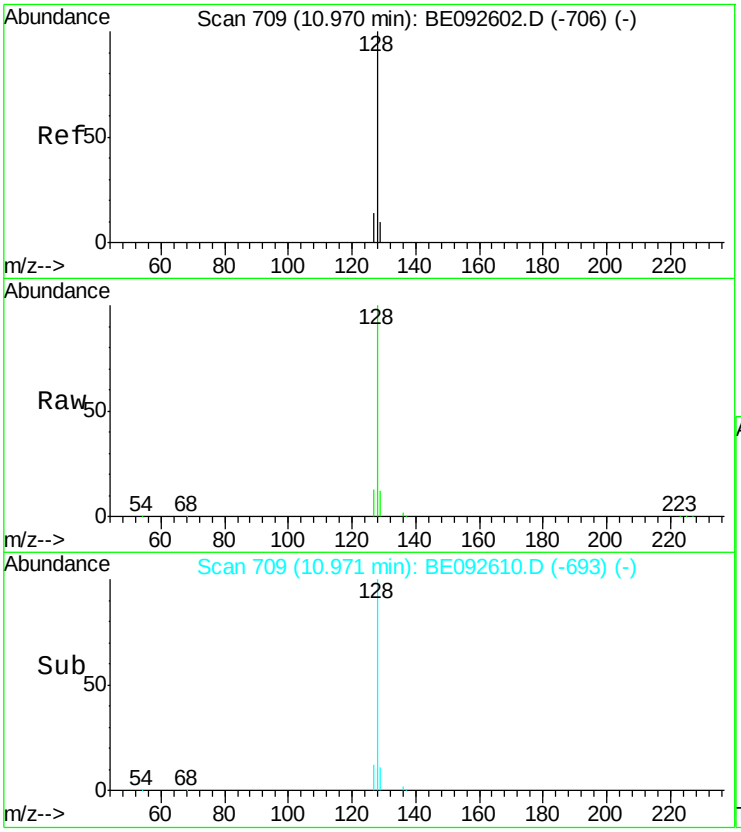


#8
Nitrobenzene-d5
Concen: 4.22 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion: 82 Resp: 11919

Ion	Ratio	Lower	Upper
82	100		
128	43.7	39.0	58.4
54	41.9	44.8	67.2#



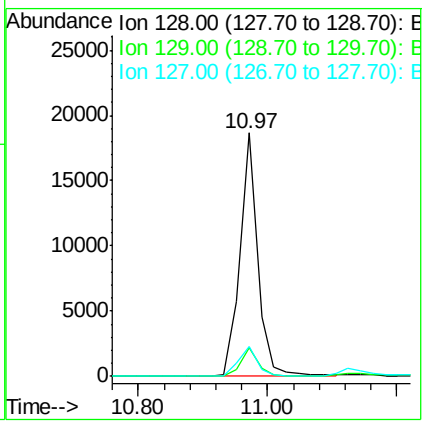


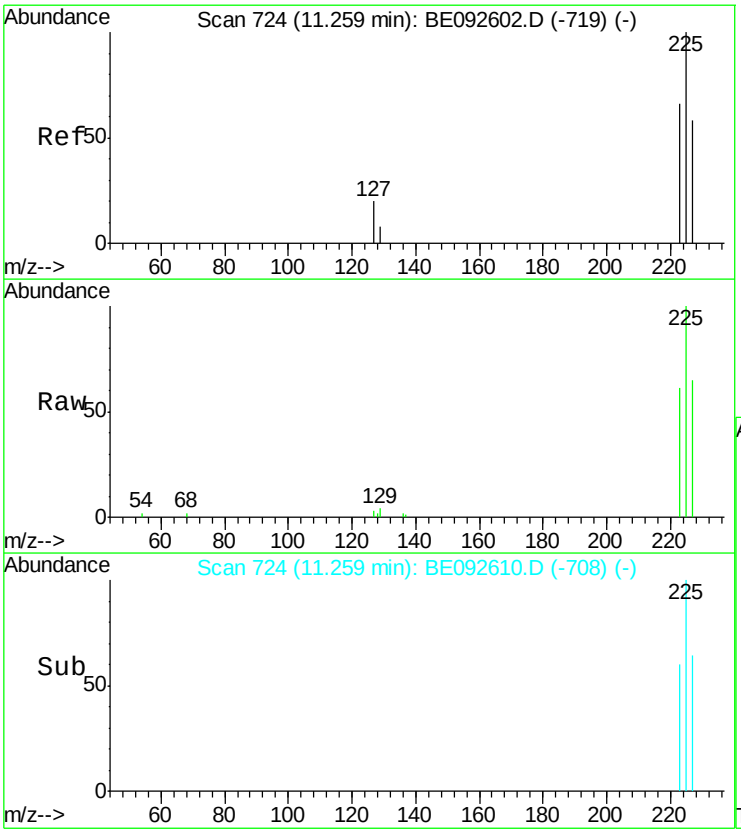
#9
Naphthalene
Concen: 4.11 ng
RT: 10.97 min Scan# 709
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:128 Resp: 34648

Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.2	16.8
127	12.5	11.6	17.4

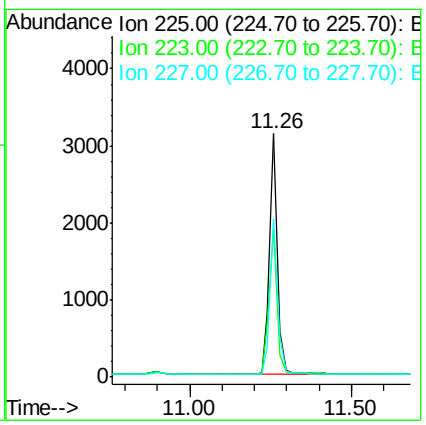


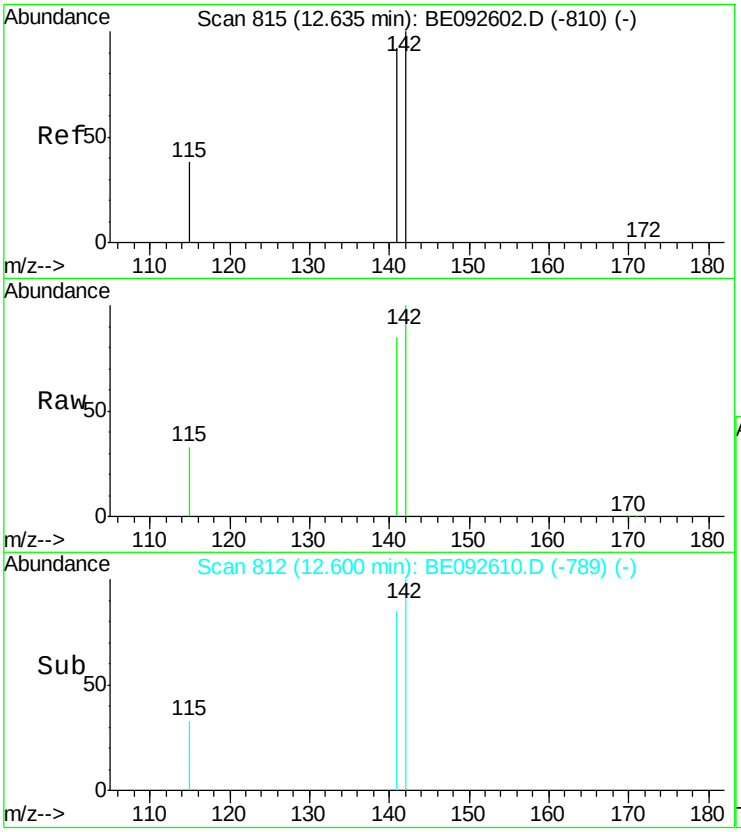


#10
Hexachlorobutadiene
Concen: 4.06 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:225 Resp: 5203

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.6	76.0
227	63.6	51.4	77.0



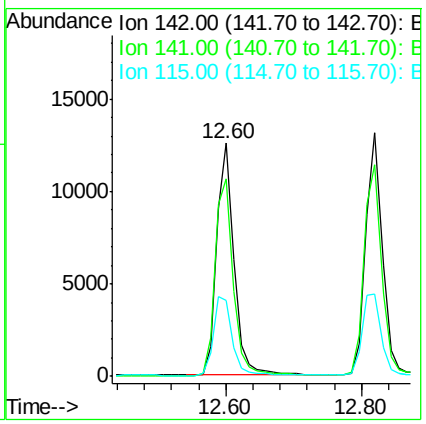


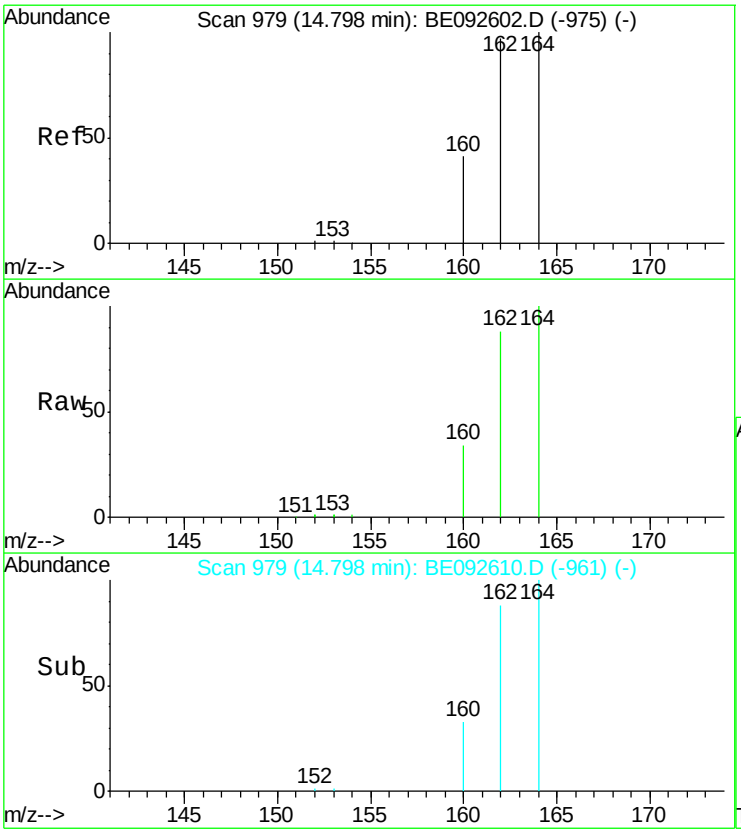
#11
2-Methylnaphthalene
Concen: 4.27 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:142 Resp: 22894

Ion	Ratio	Lower	Upper
142	100		
141	84.5	73.7	110.5
115	32.6	34.0	51.0#

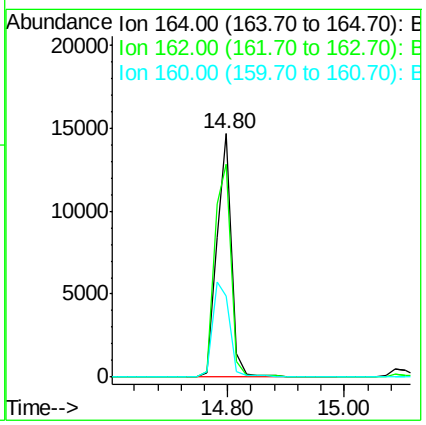


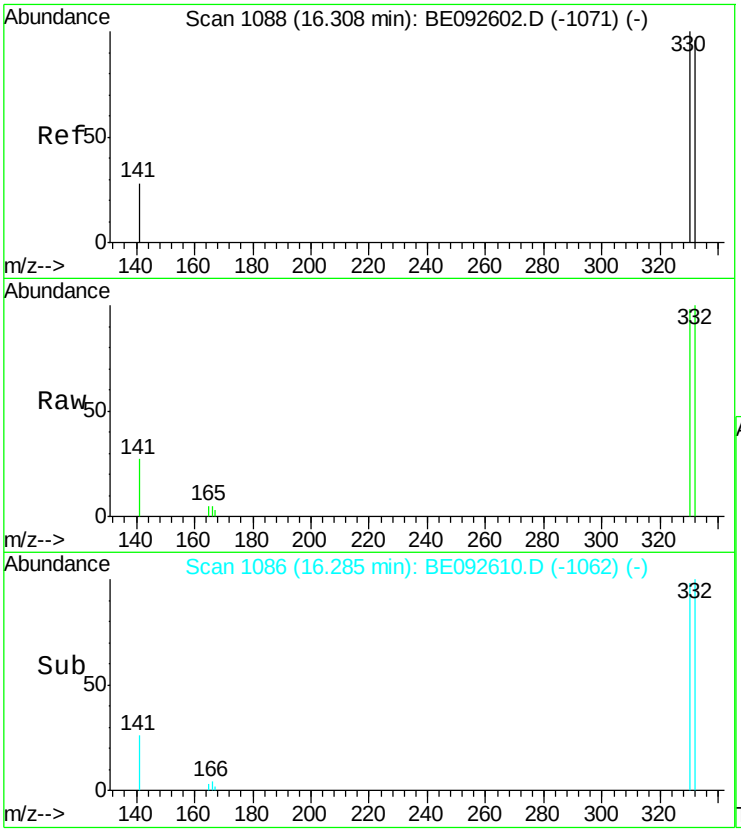


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:164 Resp: 25336

Ion	Ratio	Lower	Upper
164	100		
162	87.6	71.4	107.0
160	33.5	27.4	41.2



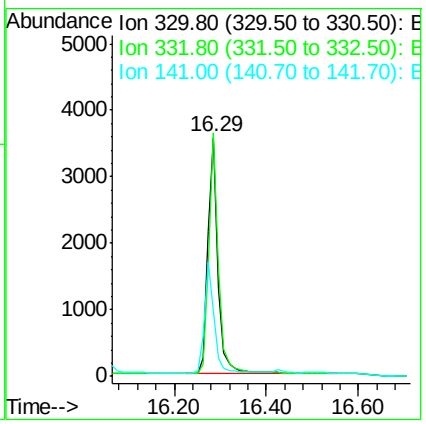


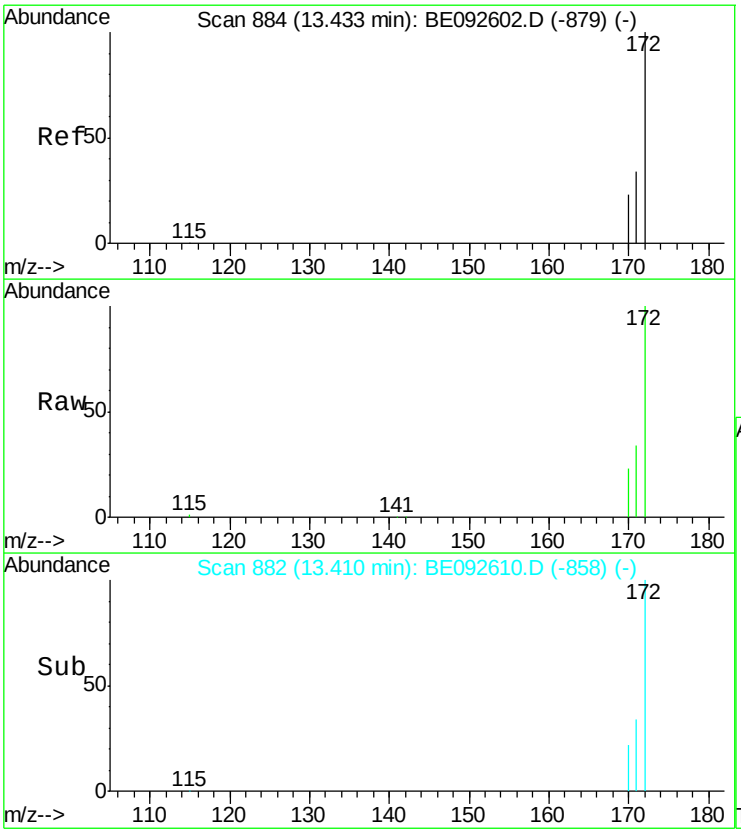
#13
2,4,6-Tribromophenol
Concen: 7.55 ng
RT: 16.29 min Scan# 1086
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:330 Resp: 5518

Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.4	113.0
141	45.6	31.0	46.6

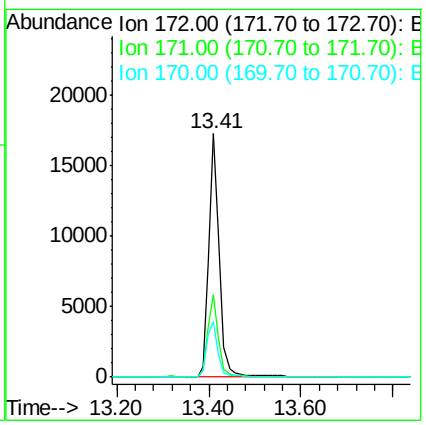


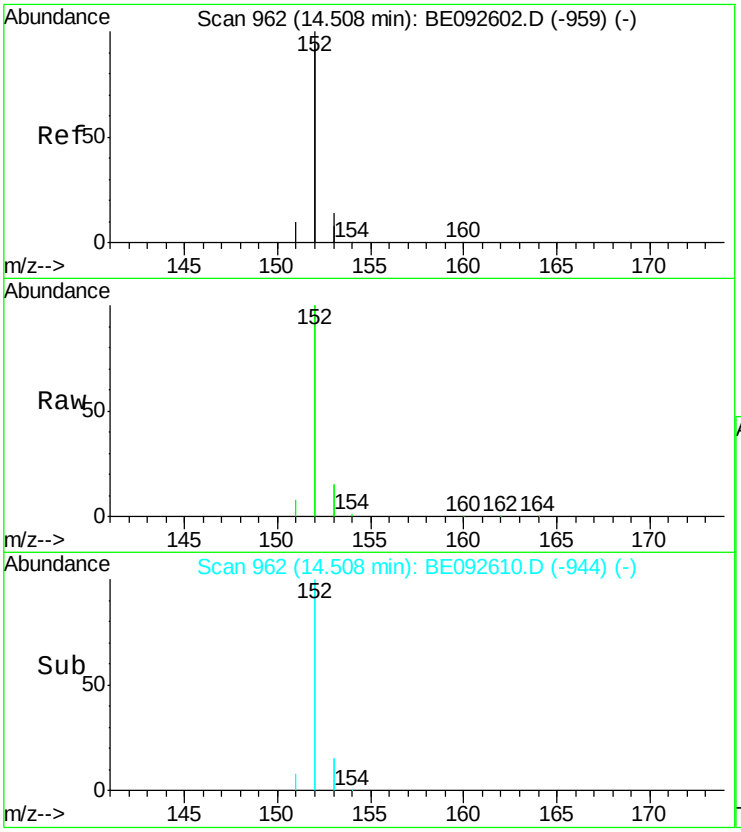


#14
2-Fluorobiphenyl
Concen: 4.54 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:172 Resp: 27488

Ion	Ratio	Lower	Upper
172	100		
171	34.0	30.1	45.1
170	22.6	21.8	32.6



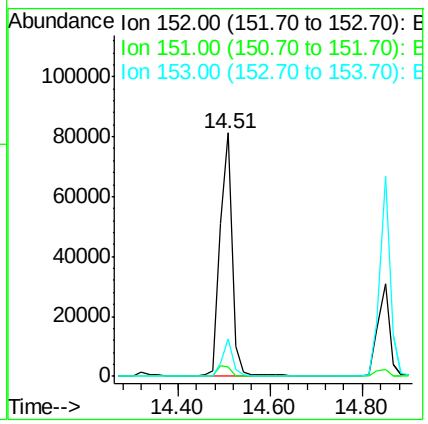


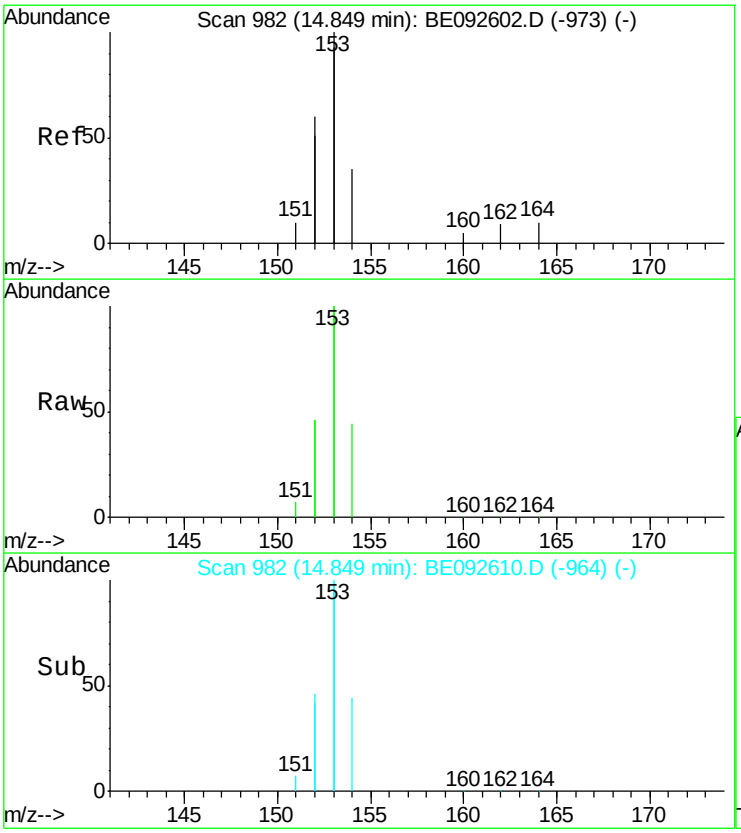
#15
Acenaphthylene
Concen: 4.28 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:152 Resp: 149654

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

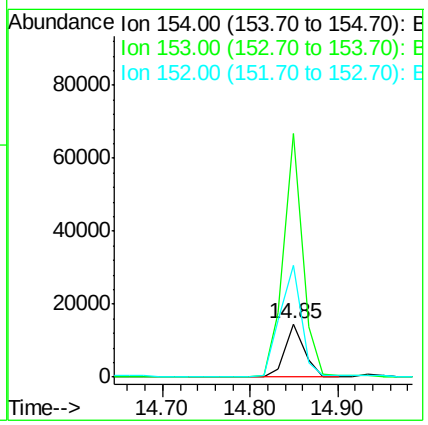


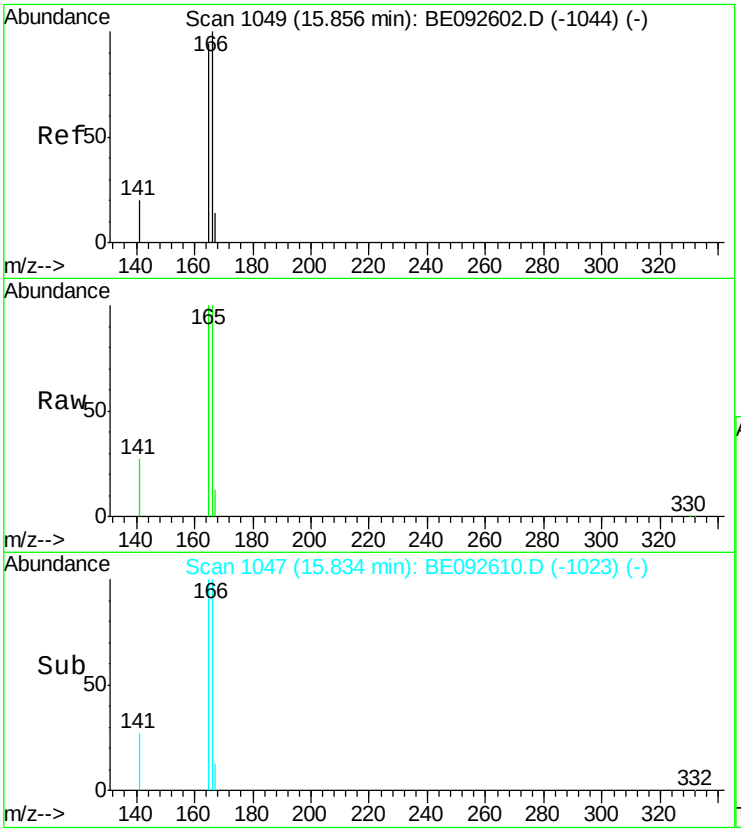


#16
Acenaphthene
Concen: 3.86 ng
RT: 14.85 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:154 Resp: 22223

Ion	Ratio	Lower	Upper
154	100		
153	457.5	350.8	526.2
152	232.6	171.1	256.7



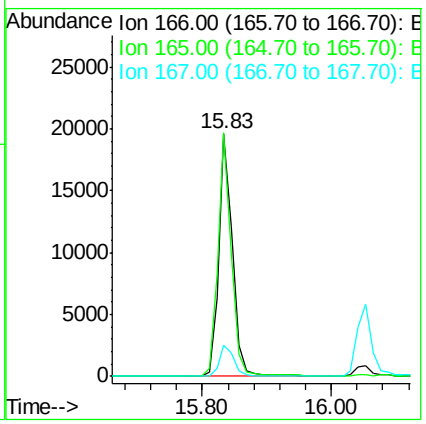


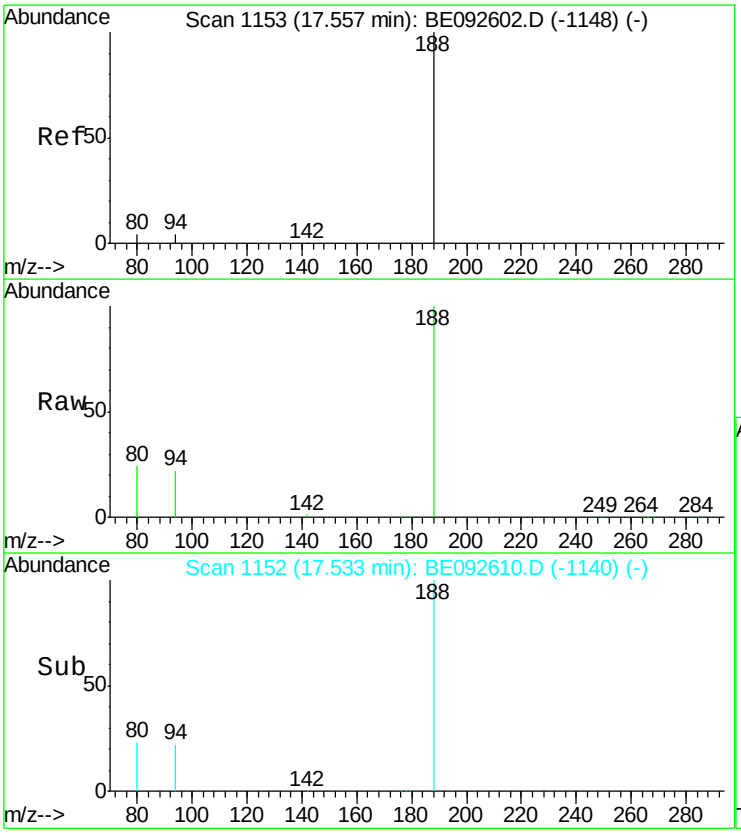
#17
Fluorene
Concen: 4.10 ng
RT: 15.83 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:166 Resp: 28992

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.6	11.0	16.4

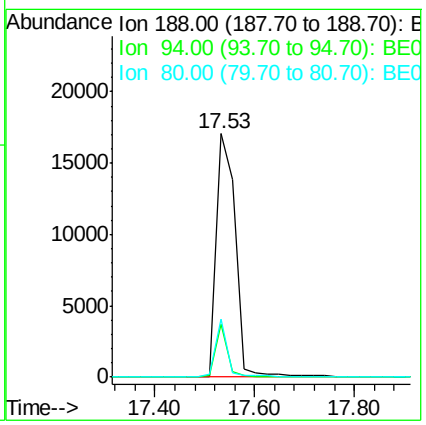


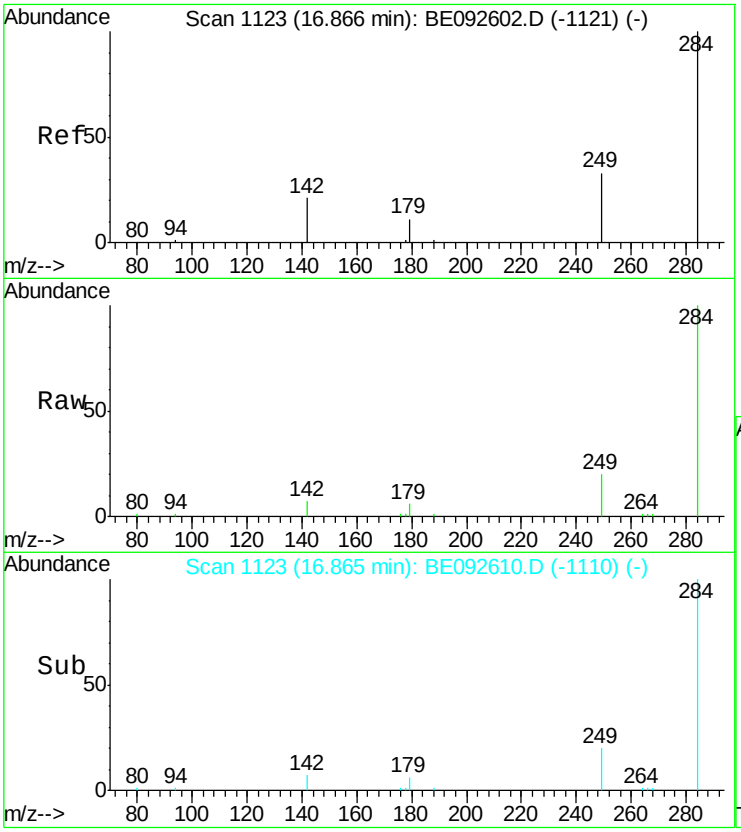


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:188 Resp: 44443

Ion	Ratio	Lower	Upper
188	100		
94	21.8	3.2	4.8#
80	23.7	2.6	3.8#



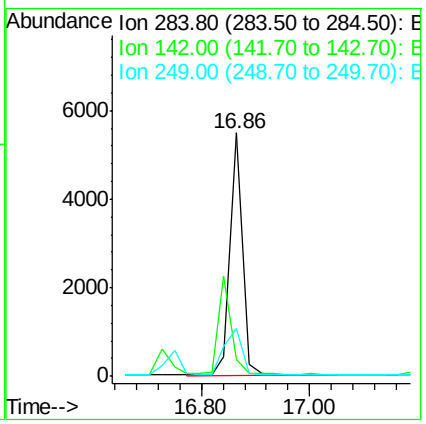


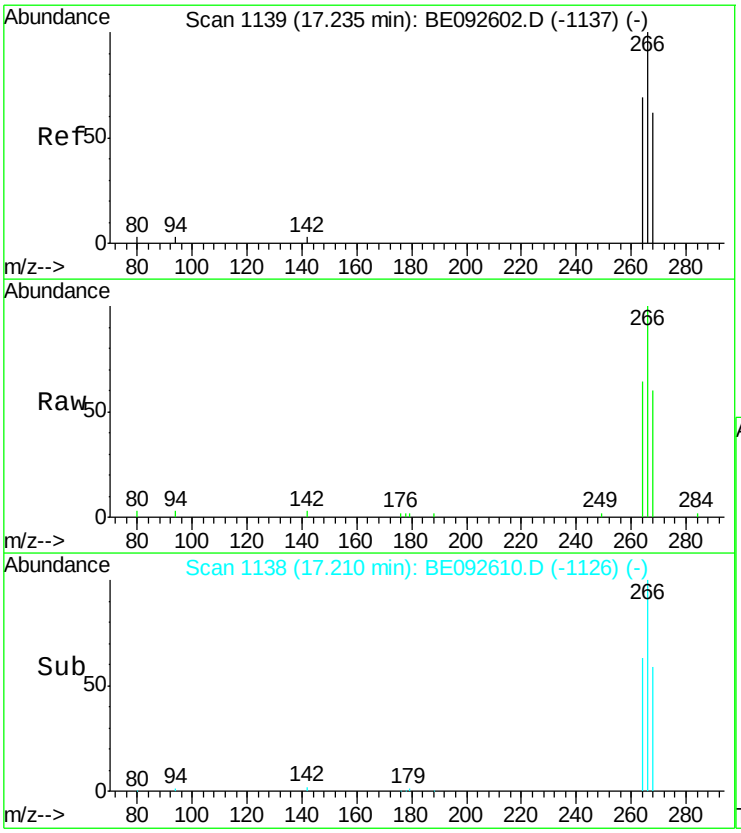
#19
Hexachlorobenzene
Concen: 4.59 ng
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:284 Resp: 8710

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	28.3	27.9	41.9

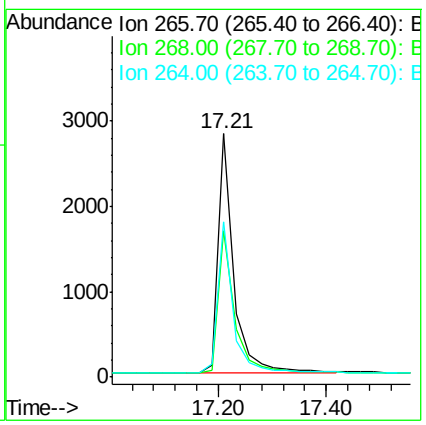


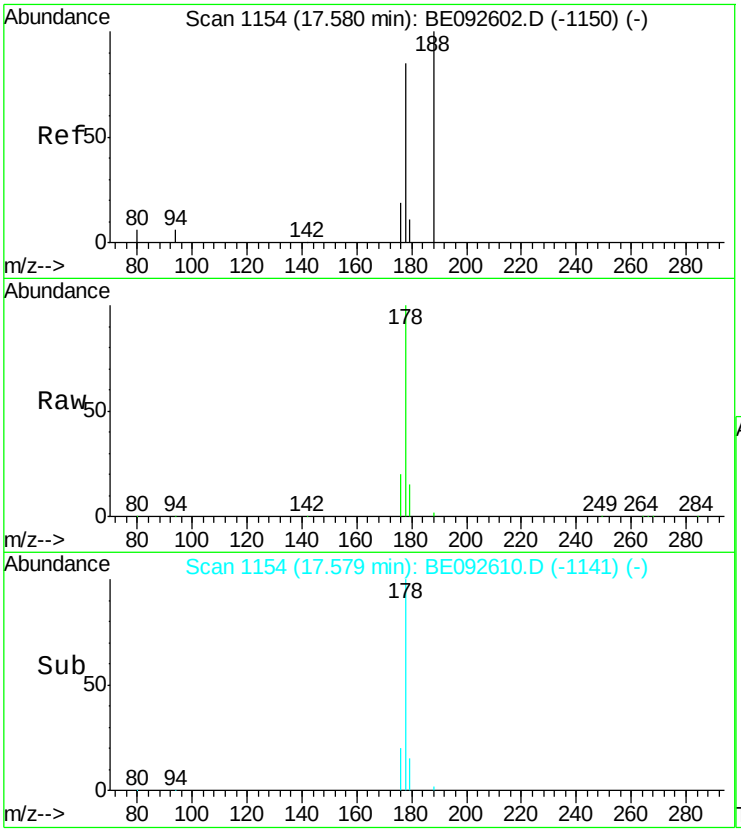


#20
Pentachlorophenol
Concen: 6.93 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:266 Resp: 5731

Ion	Ratio	Lower	Upper
266	100		
268	60.0	62.5	93.7#
264	63.8	57.2	85.8



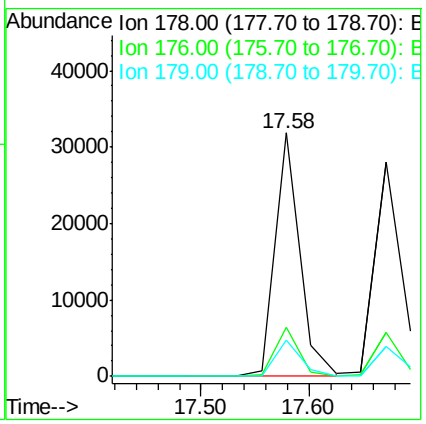


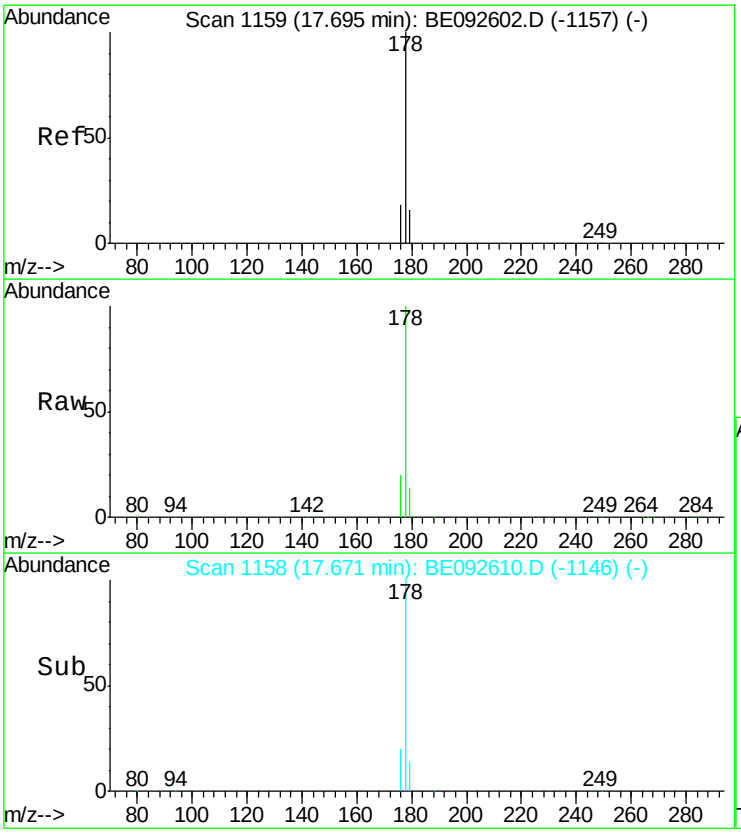
#21
Phenanthrene
Concen: 4.55 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:178 Resp: 51002

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.2	16.0	24.0#

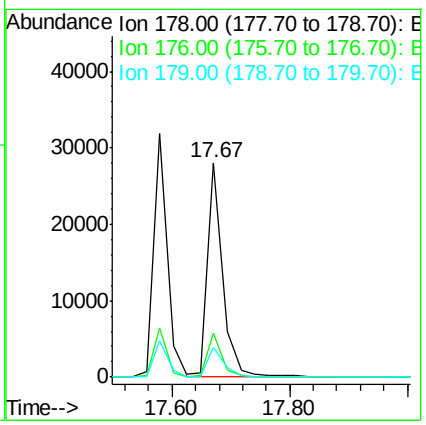


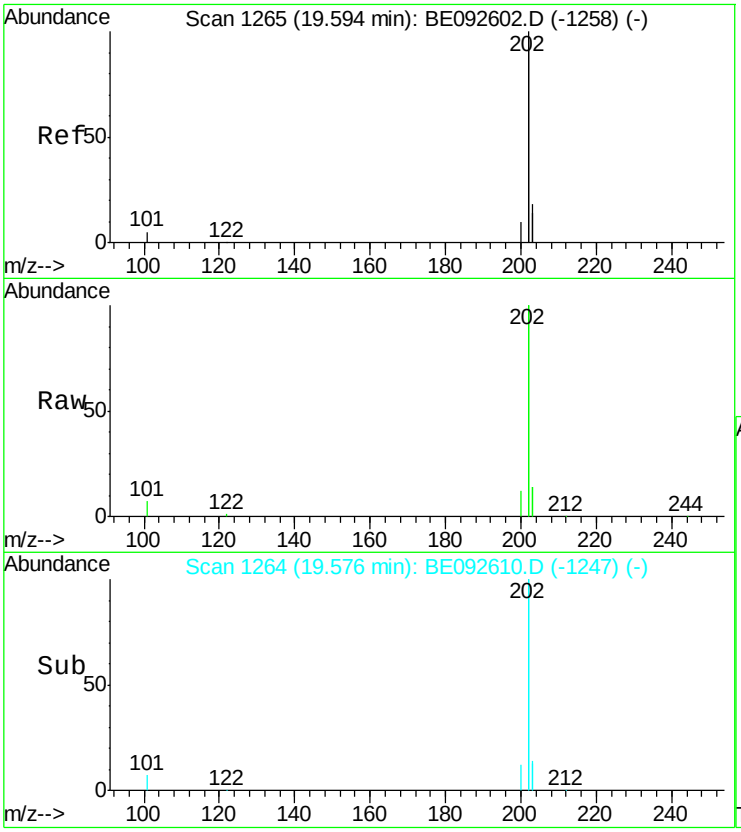


#22
Anthracene
Concen: 4.83 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:178 Resp: 49498

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	14.8	12.2	18.2



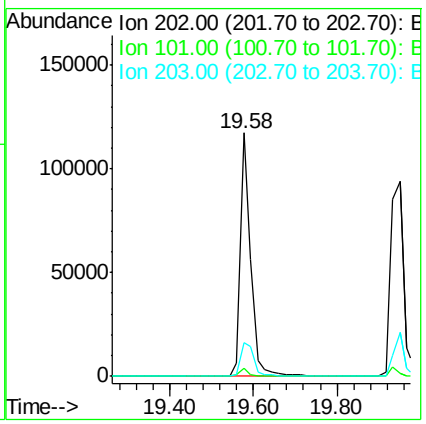


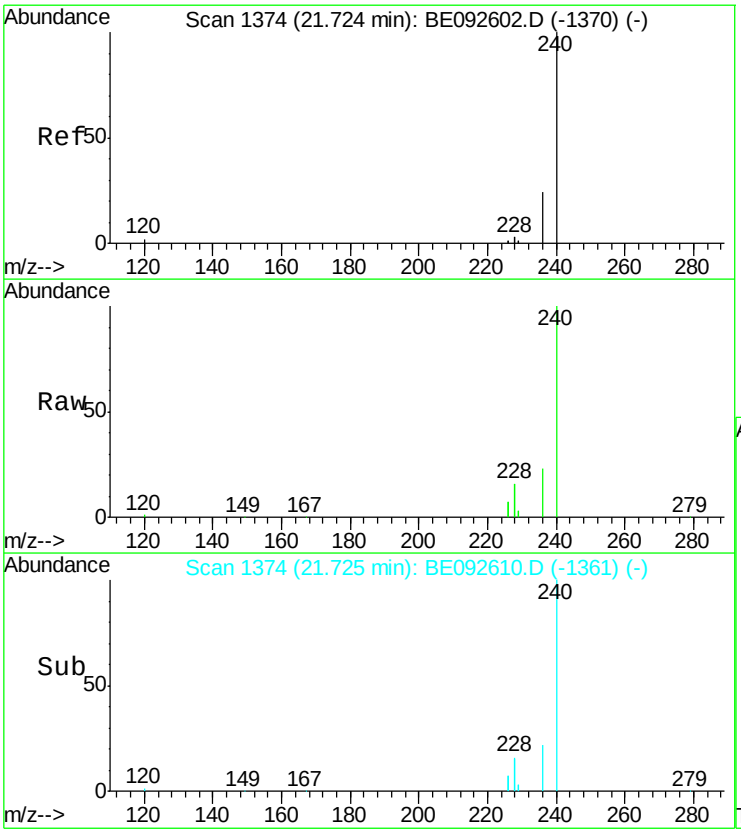
#23
Fluoranthene
Concen: 4.12 ng
RT: 19.58 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:202 Resp: 199572

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.4	13.7	20.5

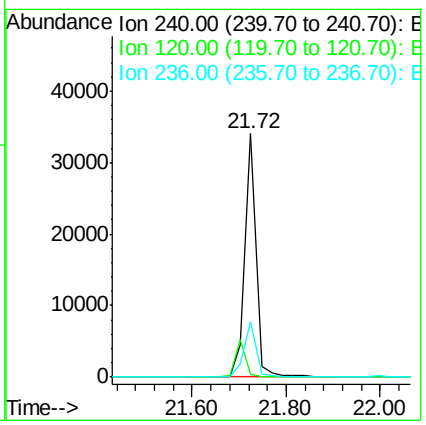


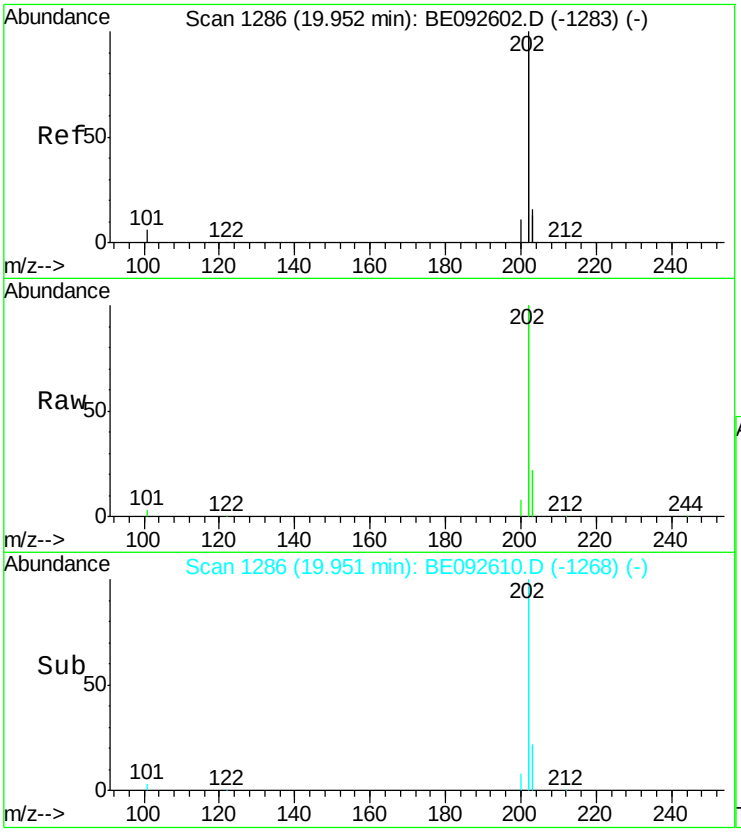


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:240 Resp: 56053

Ion	Ratio	Lower	Upper
240	100		
120	1.0	2.6	4.0#
236	22.6	24.6	37.0#



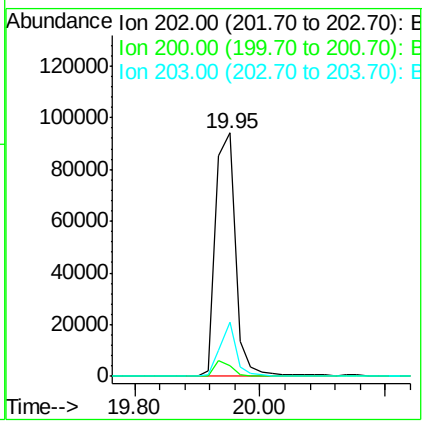


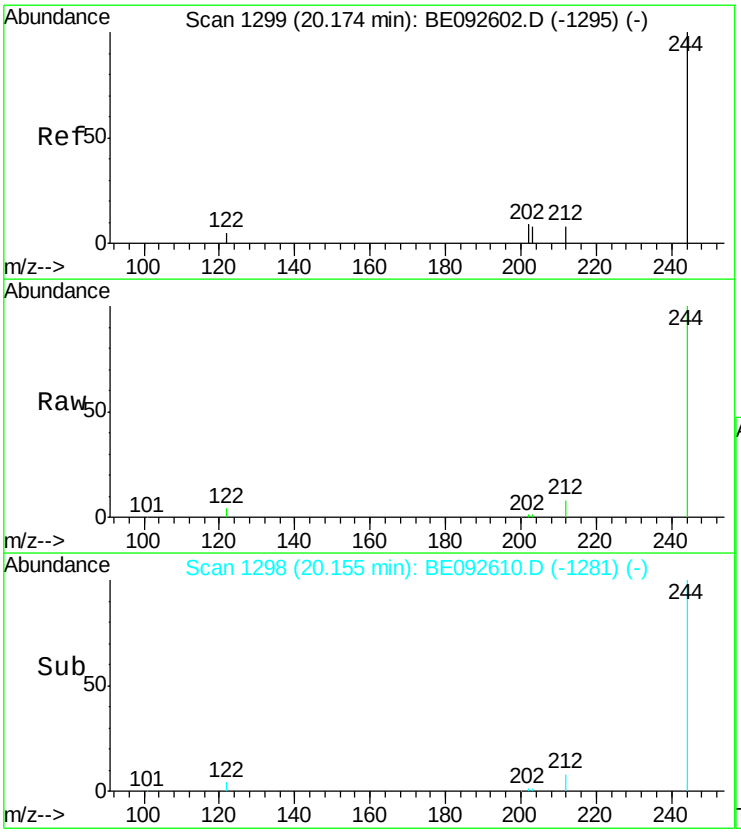
#25
Pyrene
Concen: 4.18 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:202 Resp: 206218

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	18.0	13.9	20.9

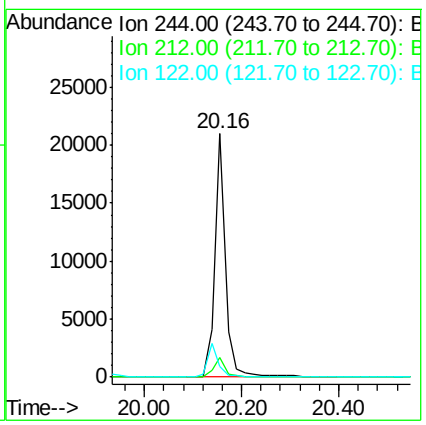


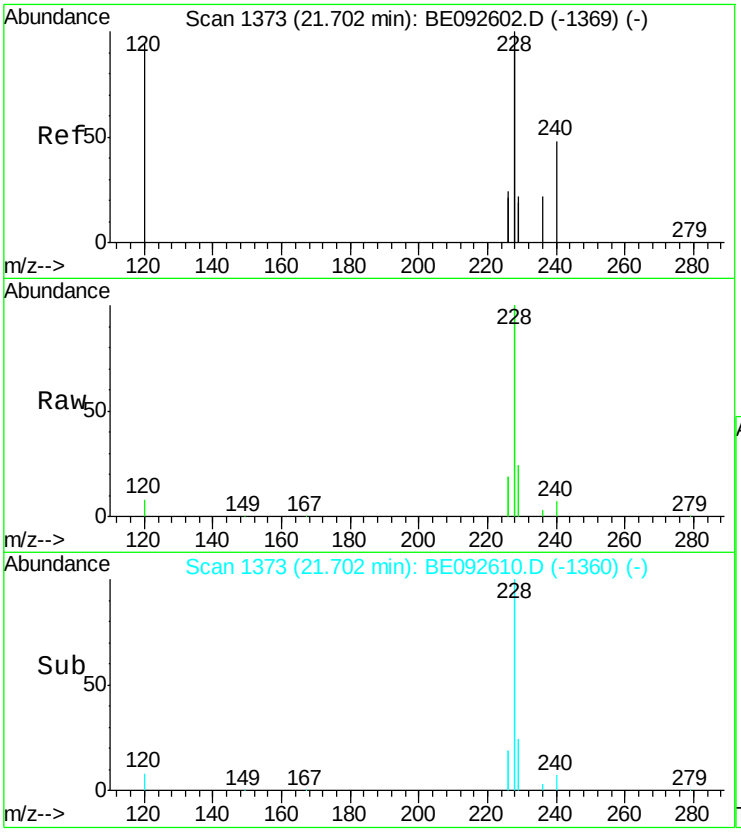


#26
Terphenyl-d14
Concen: 4.56 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:244 Resp: 31322

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.7	10.1
122	4.5	3.6	5.4



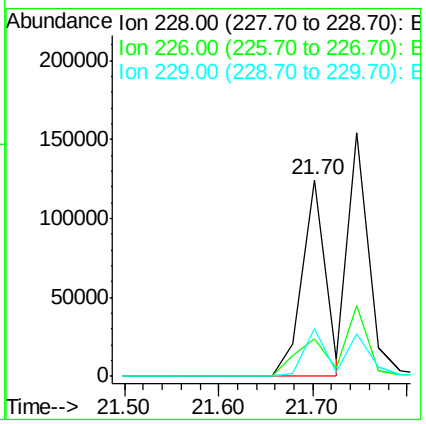


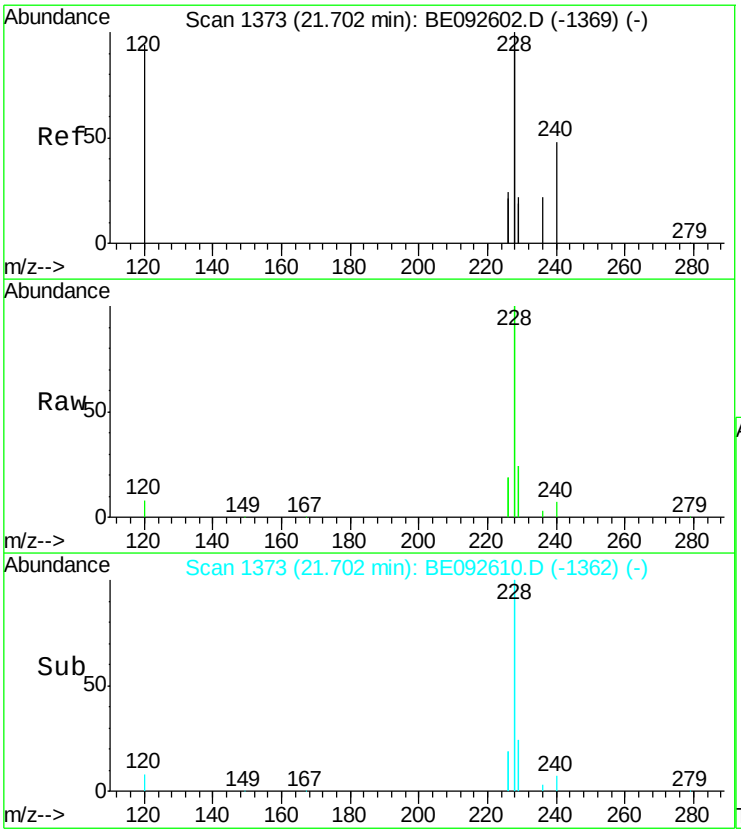
#27
Benzo(a)anthracene
Concen: 4.18 ng
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:228 Resp: 210323

Ion	Ratio	Lower	Upper
228	100		
226	18.9	23.6	35.4#
229	24.4	13.3	19.9#

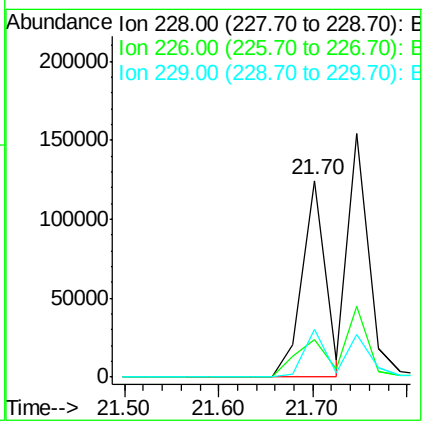


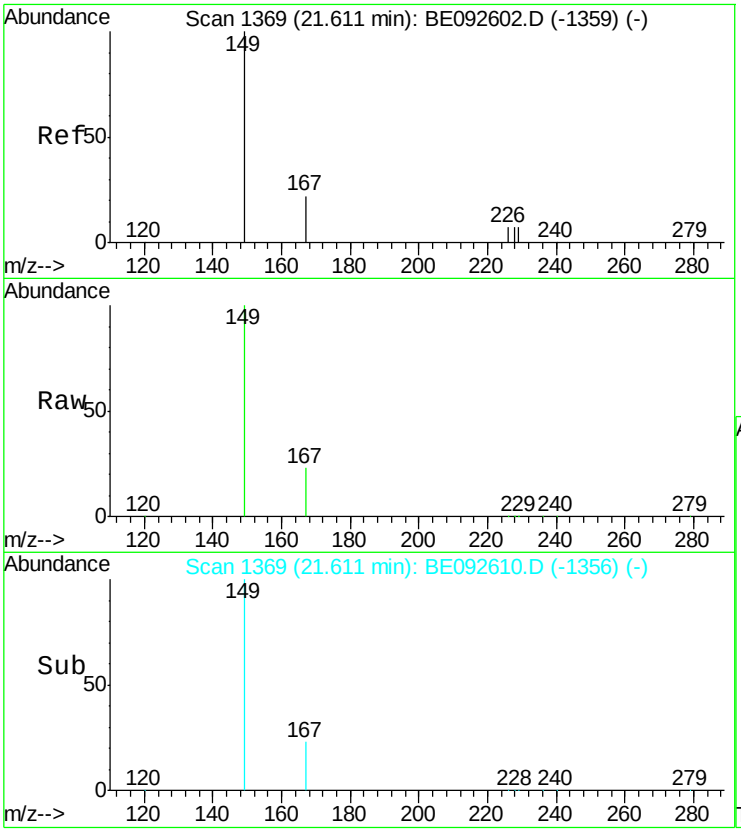


#28
Chrysene
Concen: 3.61 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.04 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:228 Resp: 210323

Ion	Ratio	Lower	Upper
228	100		
226	18.9	36.3	54.5#
229	24.4	10.6	16.0#



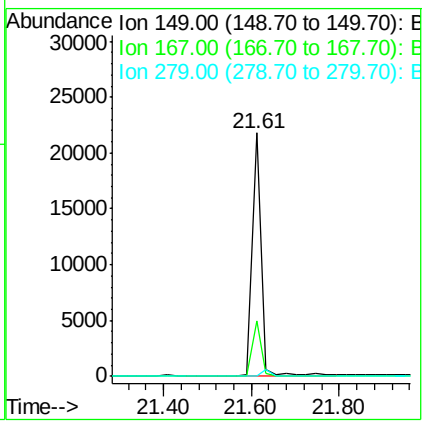


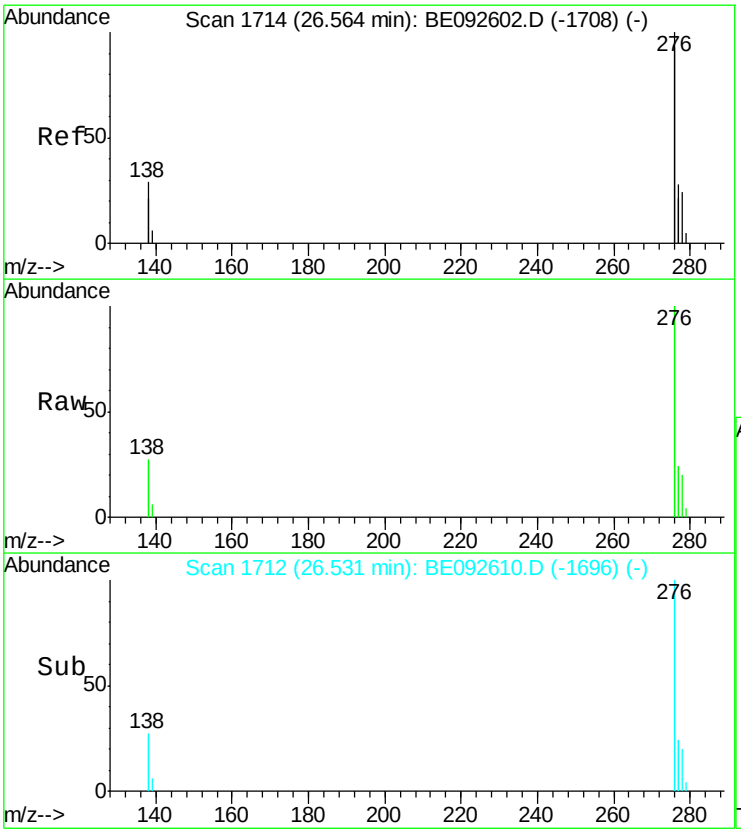
#29
Bis(2-ethylhexyl)phthalate
Concen: 4.09 ng
RT: 21.61 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:149 Resp: 30964

Ion	Ratio	Lower	Upper
149	100		
167	22.7	16.0	24.0
279	0.0	16.0	24.0#

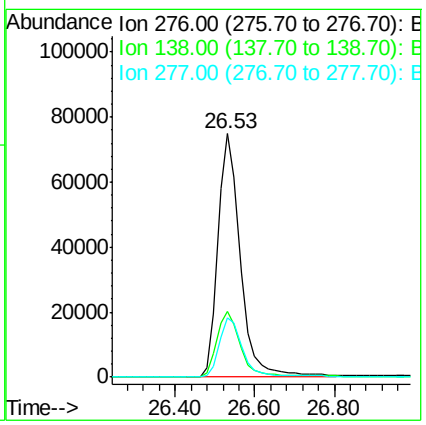


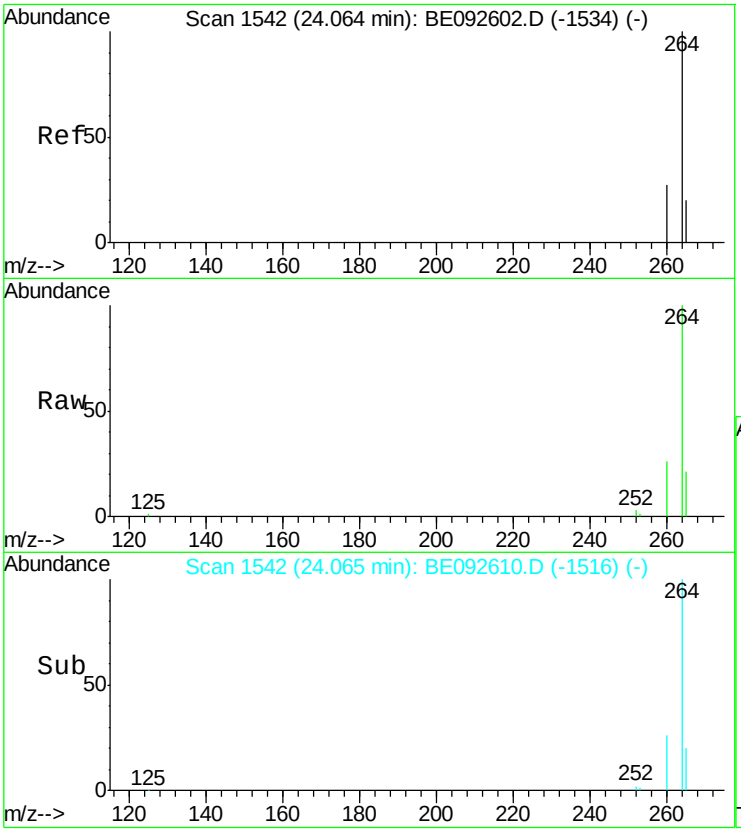


#30
Indeno(1,2,3-cd)pyrene
Concen: 5.49 ng
RT: 26.53 min Scan# 1712
Delta R.T. -0.03 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:276 Resp: 289343

Ion	Ratio	Lower	Upper
276	100		
138	28.1	20.3	30.5
277	24.7	19.7	29.5



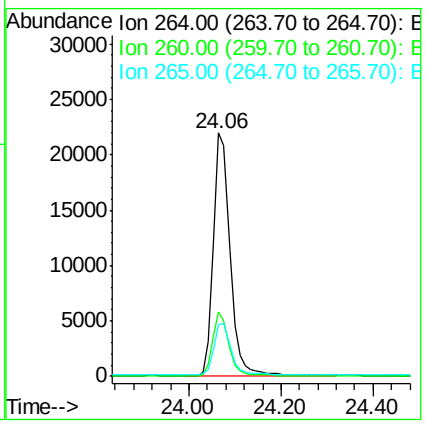


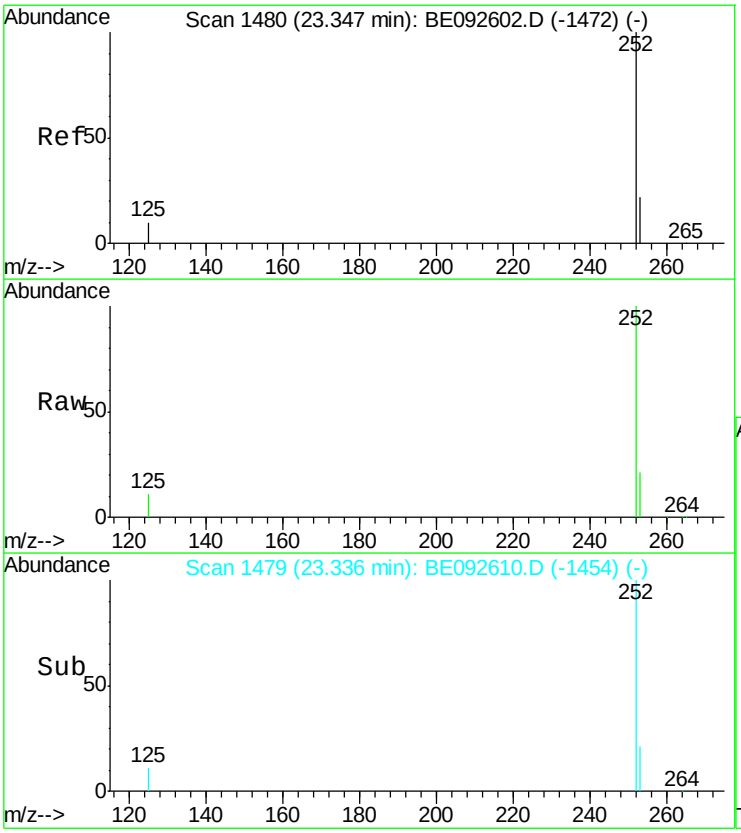
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:264 Resp: 55325

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.1	30.1
265	21.0	17.9	26.9

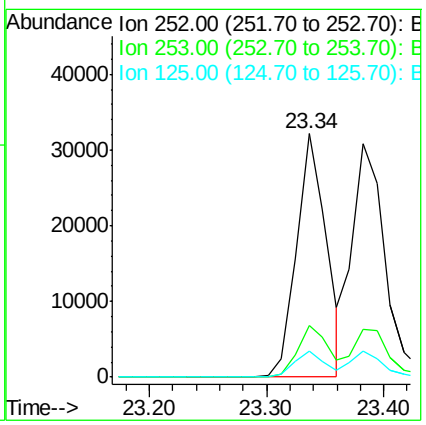


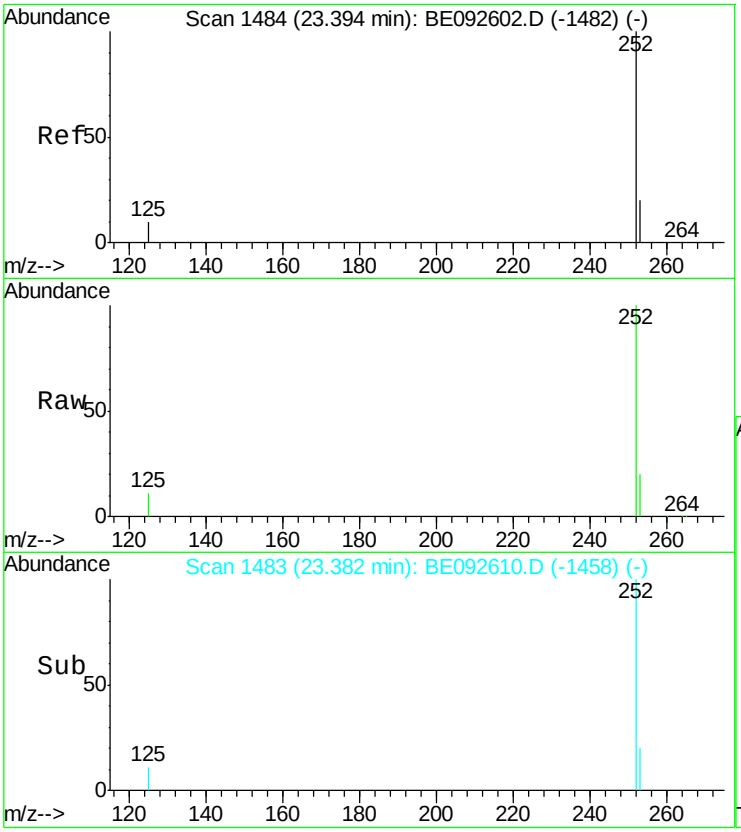


#32
Benzo(b)fluoranthene
Concen: 4.44 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:252 Resp: 56490

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.7	28.1
125	10.7	10.5	15.7



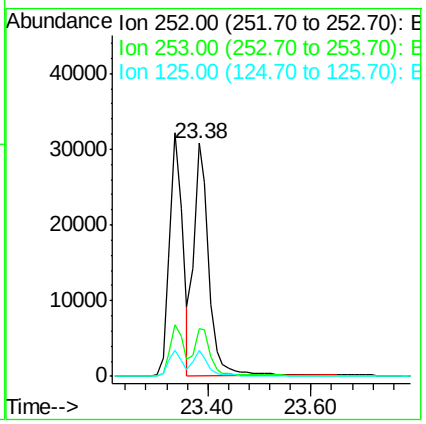


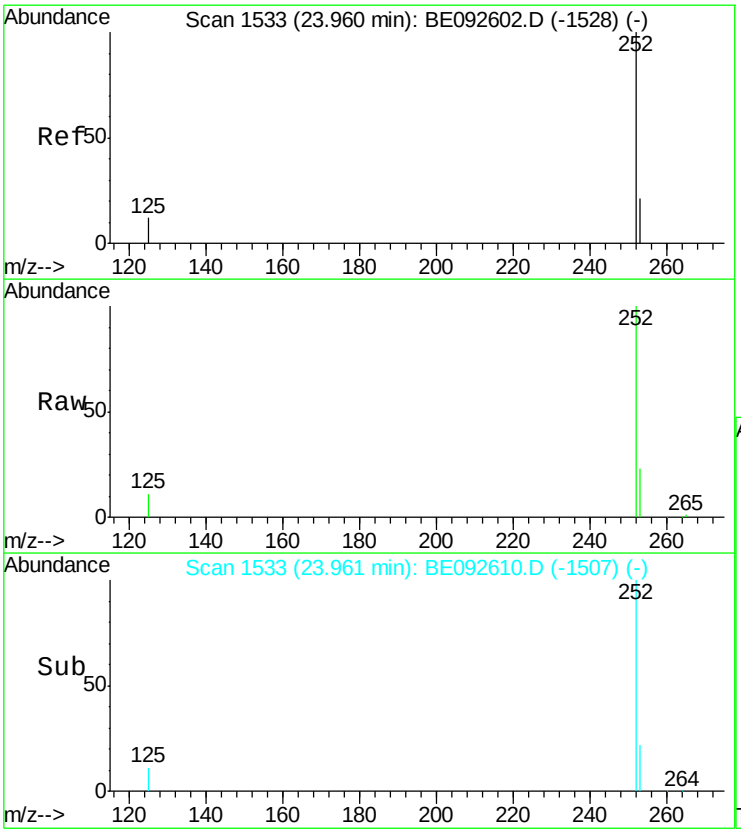
#33
Benzo(k)fluoranthene
Concen: 4.33 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:252 Resp: 61441

Ion	Ratio	Lower	Upper
252	100		
253	20.4	20.3	30.5
125	11.2	9.6	14.4

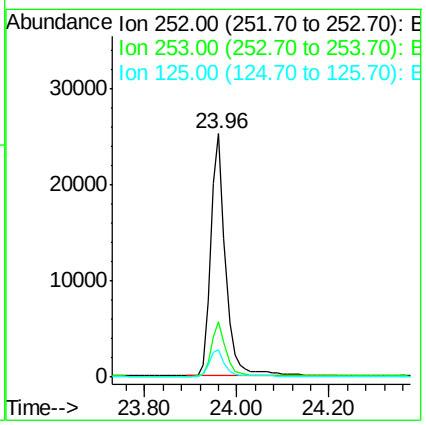


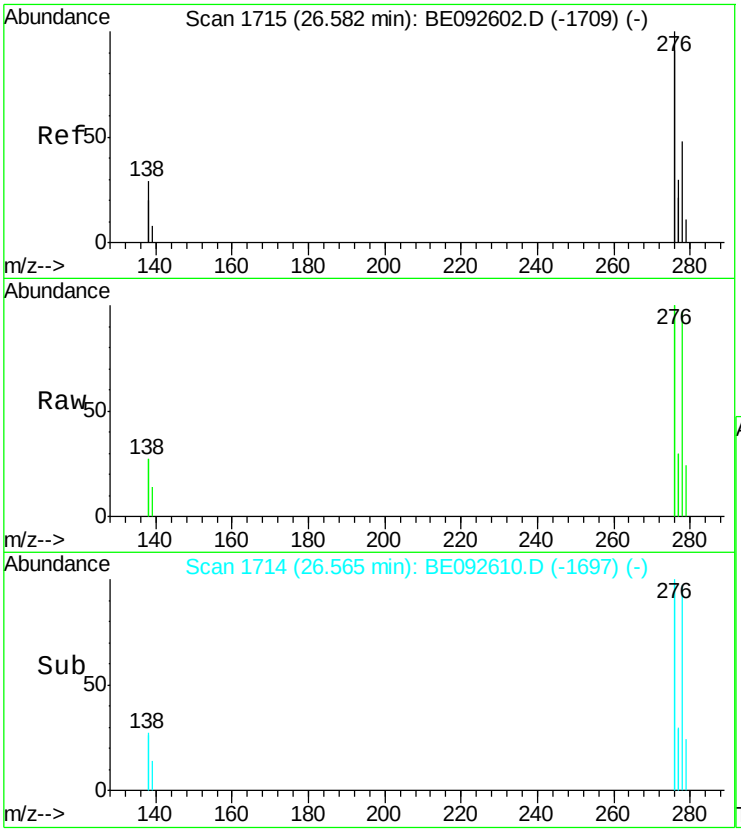


#34
Benzo(a)pyrene
Concen: 4.65 ng
RT: 23.96 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:252 Resp: 57066

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.0	28.6
125	11.3	11.8	17.8#



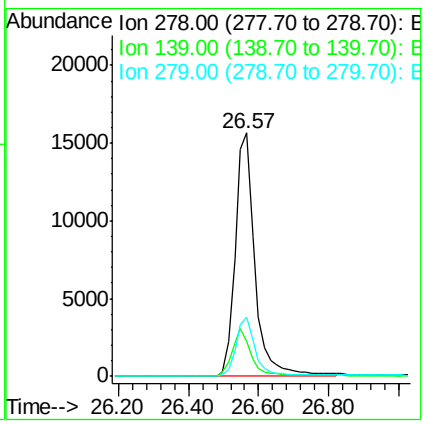


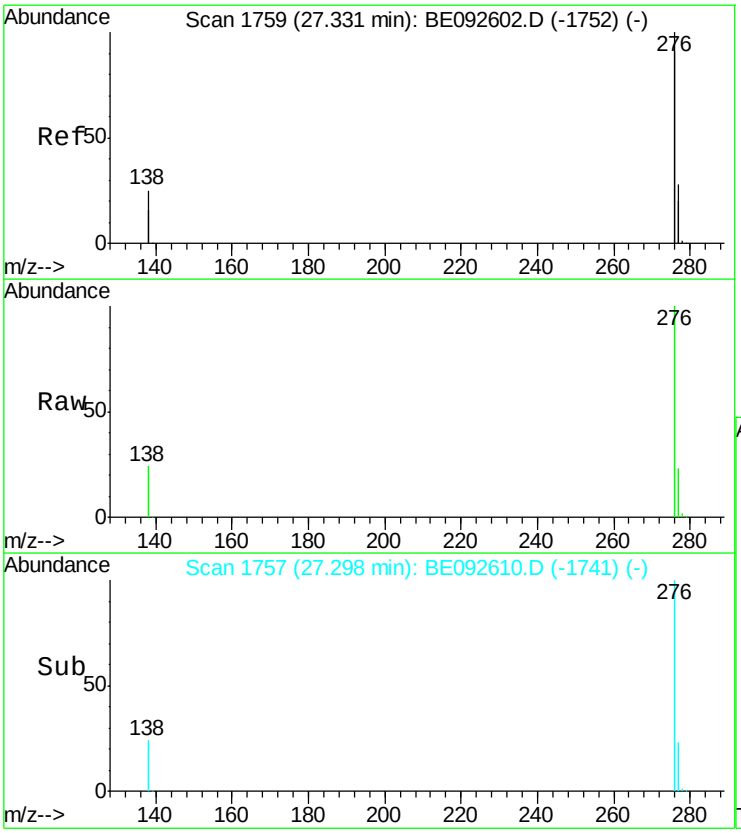
#35
Dibenzo(a,h)anthracene
Concen: 5.14 ng
RT: 26.57 min Scan# 1714
Delta R.T. -0.02 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Instrument :
BNA_E
ClientSampleId :
PB95417BS

Tgt Ion:278 Resp: 59984

Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.8	20.8
279	24.5	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 5.04 ng
RT: 27.30 min Scan# 1757
Delta R.T. -0.03 min
Lab File: BE092610.D
Acq: 19 Dec 2016 16:38

Tgt Ion:276 Resp: 251837

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.8	29.8
138	23.8	19.8	29.6