Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092115\
Data File : BE090920.D
Acq On : 21 Sep 2015 16:14
Operator : UM/IZ
Sample : PB85661BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB85661BSD

Quant Time: Sep 21 16:56:38 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE091815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 18:17:34 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	28164	5.00	ng		0.00
7) Naphthalene-d8	10.30	136	125808	5.00	ng		0.00
13) Acenaphthene-d10	14.16	164	65336	5.00	ng		0.00
19) Phenanthrene-d10	16.91	188	149207	5.00	ng		0.00
26) Chrysene-d12	21.07	240	210250	5.00	ng		0.00
33) Perylene-d12	23.35	264	181121	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.18	112	42466	6.72	ng		0.00
5) Phenol-d6	6.74	99	62884	7.16	ng		-0.01
8) Nitrobenzene-d5	8.69	82	33201	3.83	ng		-0.02
14) 2,4,6-Tribromophenol	15.68	330	14367	6.23	ng		-0.02
15) 2-Fluorobiphenyl	12.78	172	68112	3.68	ng		-0.01
28) Terphenyl-d14	19.53	244	99669	4.18	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.15	88	13970	3.74	ng		97
3) n-Nitrosodimethylamine	3.45	42	16971	3.33	ng	#	94
6) bis(2-Chloroethyl)ether	6.98	93	28410	3.56	ng		98
9) Nitrobenzene	8.73	77	34522	3.58	ng		99
10) Naphthalene	10.35	128	91450	3.73	ng		98
11) Hexachlorobutadiene	10.64	225	14156	3.88	ng		100
12) 2-Methylnaphthalene	11.97	142	57543	3.40	ng		99
16) Acenaphthylene	13.88	152	386254	3.40	ng		100
17) Acenaphthene	14.22	154	60226	3.44	ng		91
18) Fluorene	15.22	166	77321	3.86	ng		97
20) 4-Bromophenyl-phenylether	16.11	248	20492	3.55	ng		92
21) Hexachlorobenzene	16.23	284	95367	3.99	ng		100
22) Pentachlorophenol	16.58	266	13968	5.08	ng		94
23) Phenanthrene	16.95	178	136112	3.95	ng		99
24) Anthracene	17.03	178	131157	3.84	ng		100
25) Fluoranthene	18.95	202	155973	3.43	ng		99
27) Pyrene	19.32	202	175289	3.65	ng		99
29) Benzo(a)anthracene	21.05	228	180176	3.47	ng		99
30) Chrysene	21.10	228	182372	3.73	ng		99
31) Bis(2-ethylhexyl)phthalate	21.00	149	53347	2.32	ng		98
32) Indeno(1,2,3-cd)pyrene	25.71	276	182549	2.98	ng		99
34) Benzo(b)fluoranthene	22.65	252	157446	3.71	ng		98
35) Benzo(k)fluoranthene	22.70	252	185497	3.80	ng		99
36) Benzo(a)pyrene	23.25	252	148862	3.69	ng	#	90
37) Dibenzo(a,h)anthracene	25.74	278	149492	3.56	ng		99
38) Benzo(g,h,i)perylene	26.44	276	155442	3.46	ng		98

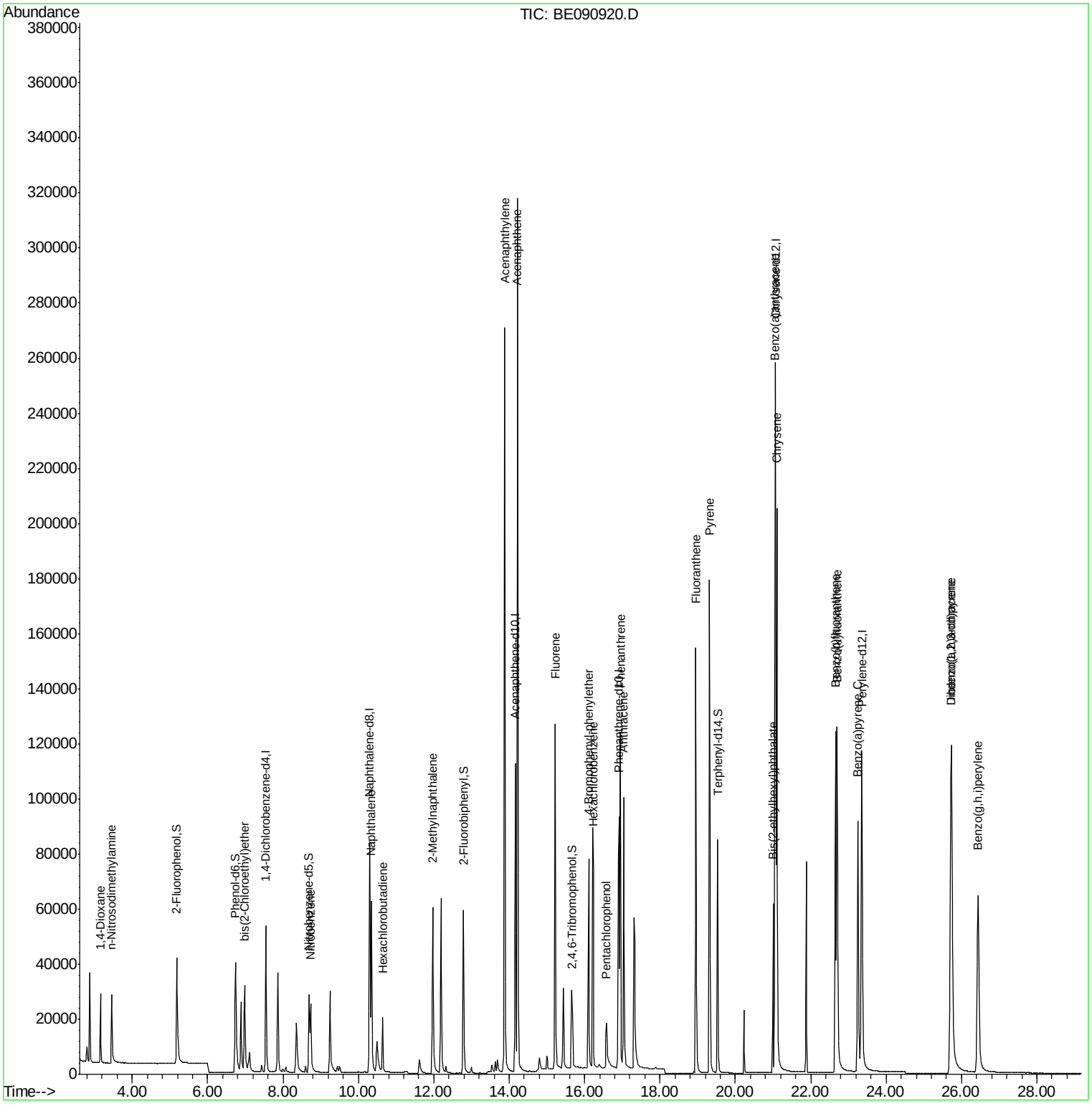
(#) = qualifier out of range (m) = manual integration (+) = signals summed

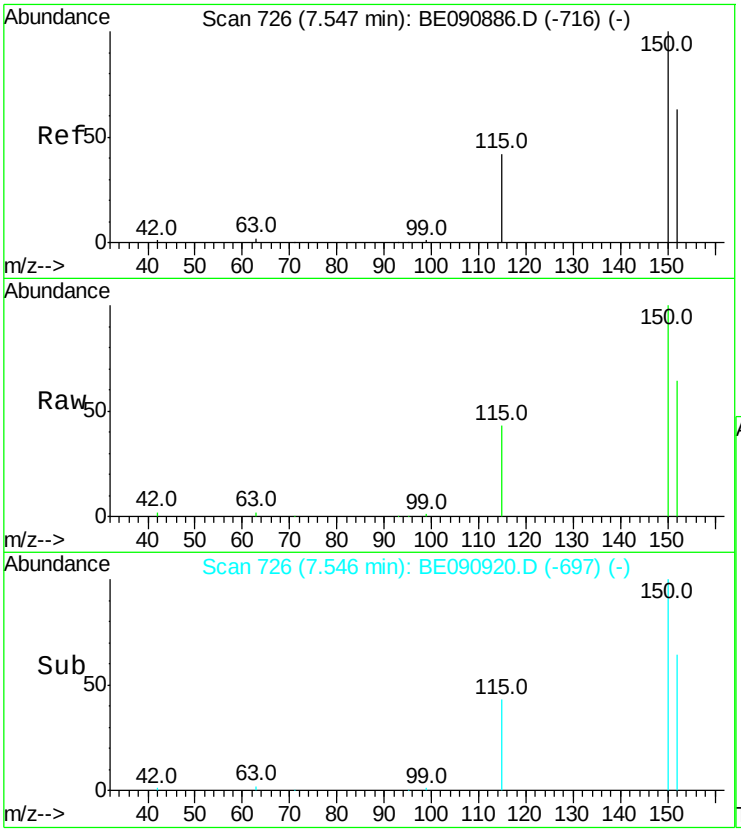
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092115\
Data File : BE090920.D
Acq On : 21 Sep 2015 16:14
Operator : UM/IZ
Sample : PB85661BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Quant Time: Sep 21 16:56:38 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE091815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 18:17:34 2015
Response via : Initial Calibration



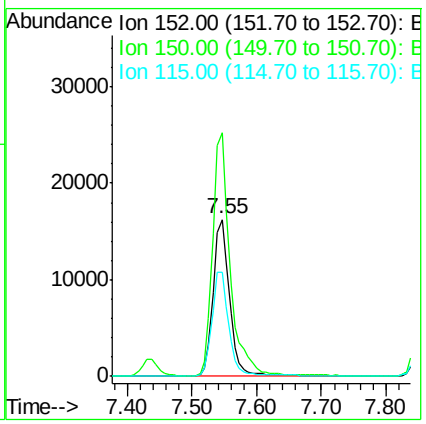


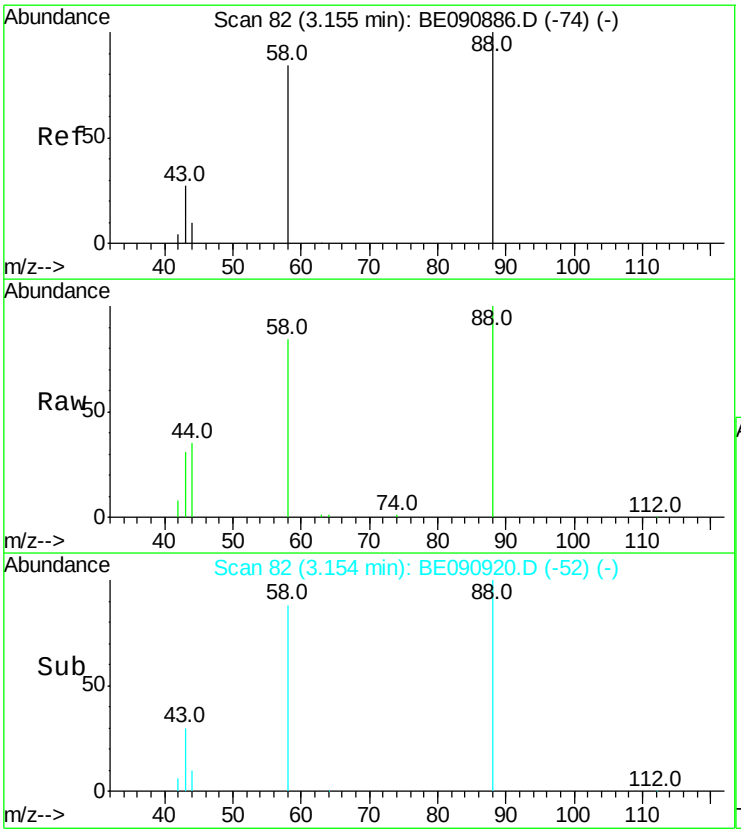
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:152 Resp: 28164

Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.2	183.4
115	66.4	51.0	76.4

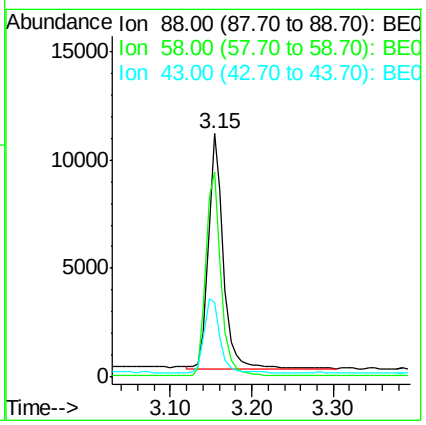


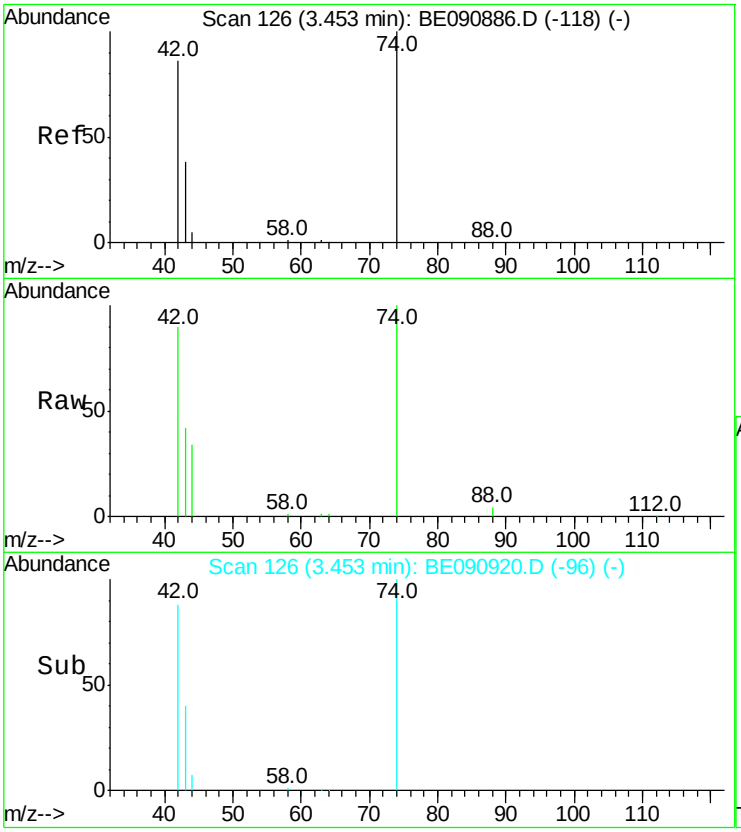


#2
1,4-Dioxane
Concen: 3.74 ng
RT: 3.15 min Scan# 82
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion: 88 Resp: 13970

Ion	Ratio	Lower	Upper
88	100		
58	88.9	68.4	102.6
43	33.1	26.9	40.3



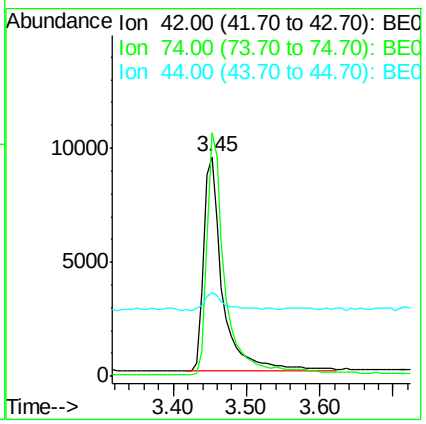


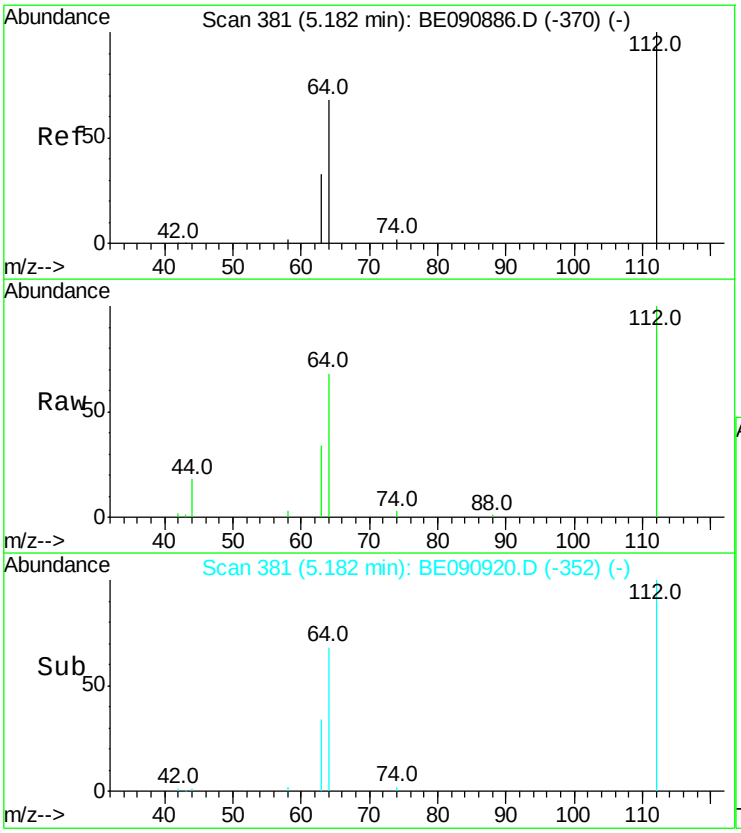
#3
n-Nitrosodimethylamine
Concen: 3.33 ng
RT: 3.45 min Scan# 126
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion: 42 Resp: 16971

Ion	Ratio	Lower	Upper
42	100		
74	110.0	83.7	125.5
44	9.1	10.0	15.0#

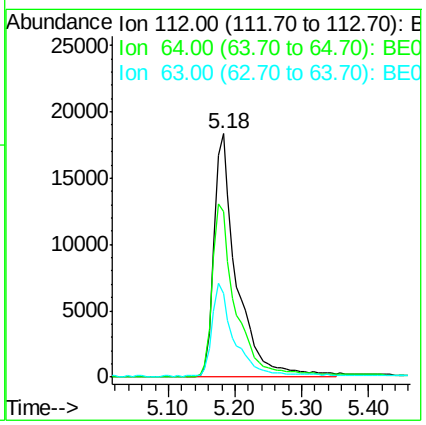


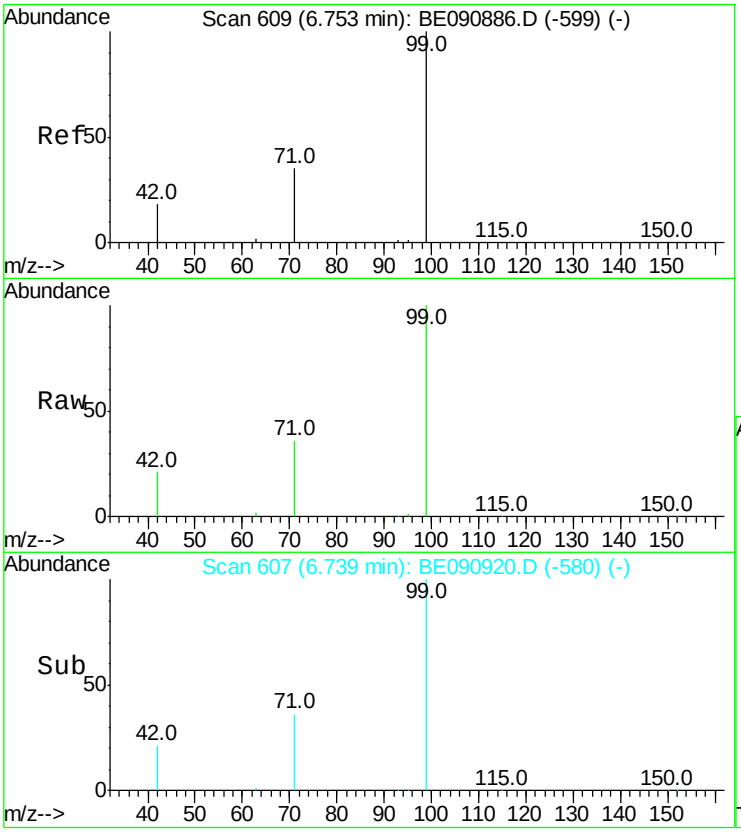


#4
2-Fluorophenol
Concen: 6.72 ng
RT: 5.18 min Scan# 381
Delta R.T. -0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:112 Resp: 42466

Ion	Ratio	Lower	Upper
112	100		
64	72.8	57.3	85.9
63	37.5	29.2	43.8



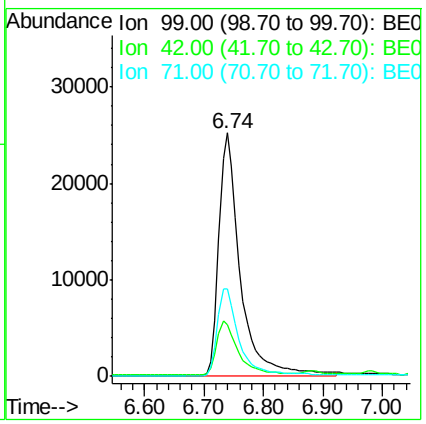


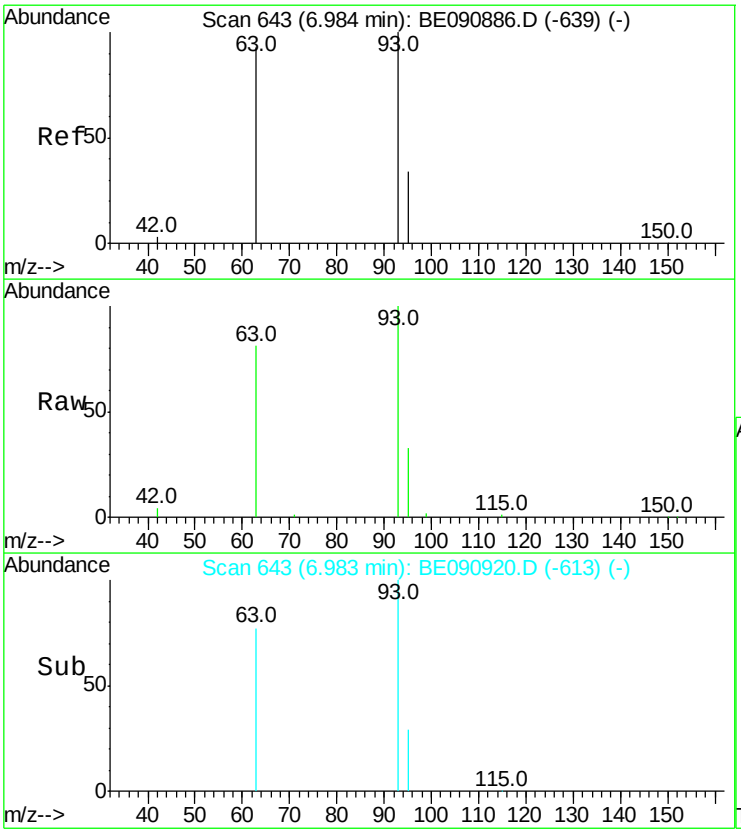
#5
Phenol-d6
Concen: 7.16 ng
RT: 6.74 min Scan# 607
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion: 99 Resp: 62884

Ion	Ratio	Lower	Upper
99	100		
42	22.3	16.8	25.2
71	36.6	28.3	42.5

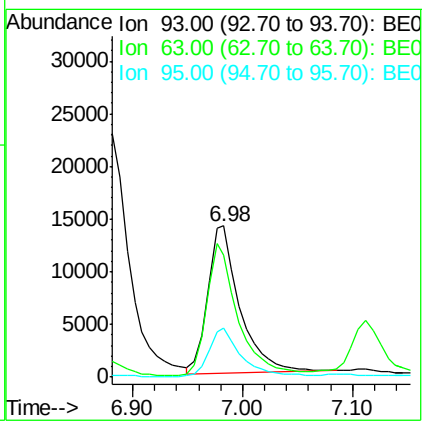


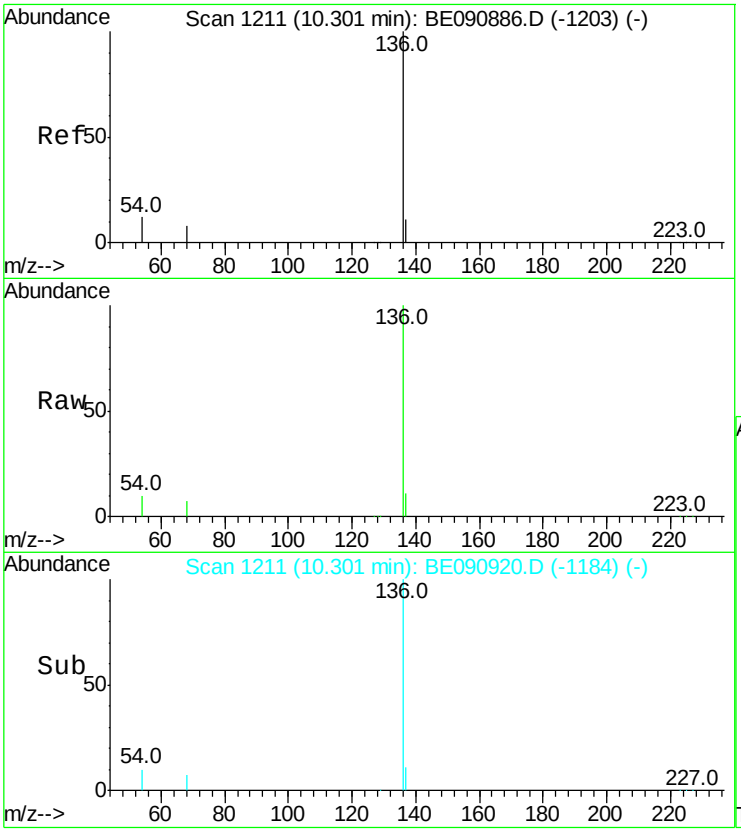


#6
bis(2-Chloroethyl)ether
Concen: 3.56 ng
RT: 6.98 min Scan# 643
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion: 93 Resp: 28410

Ion	Ratio	Lower	Upper
93	100		
63	87.3	68.5	102.7
95	32.4	26.9	40.3



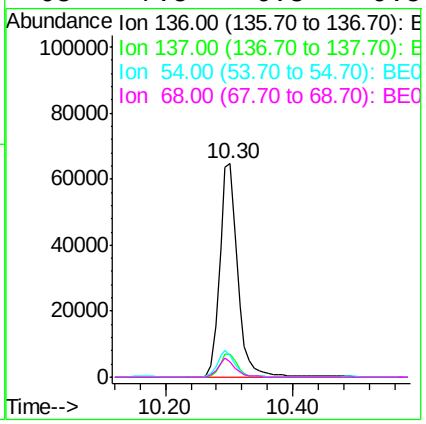


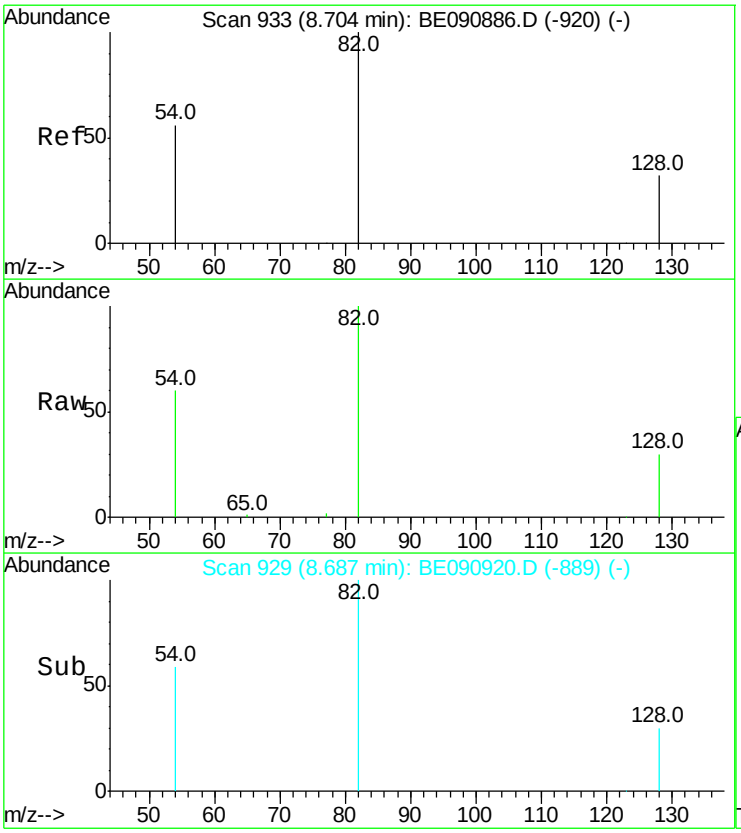
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.30 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:136 Resp: 125808

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.3	9.0	13.6
68	7.5	6.3	9.5

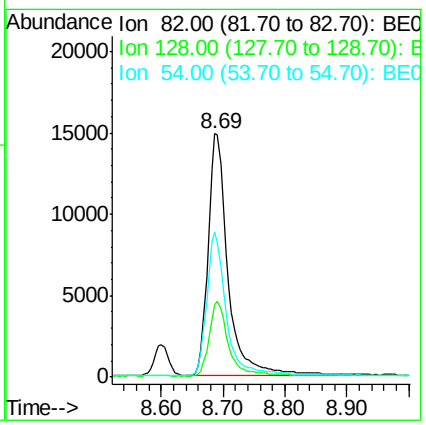


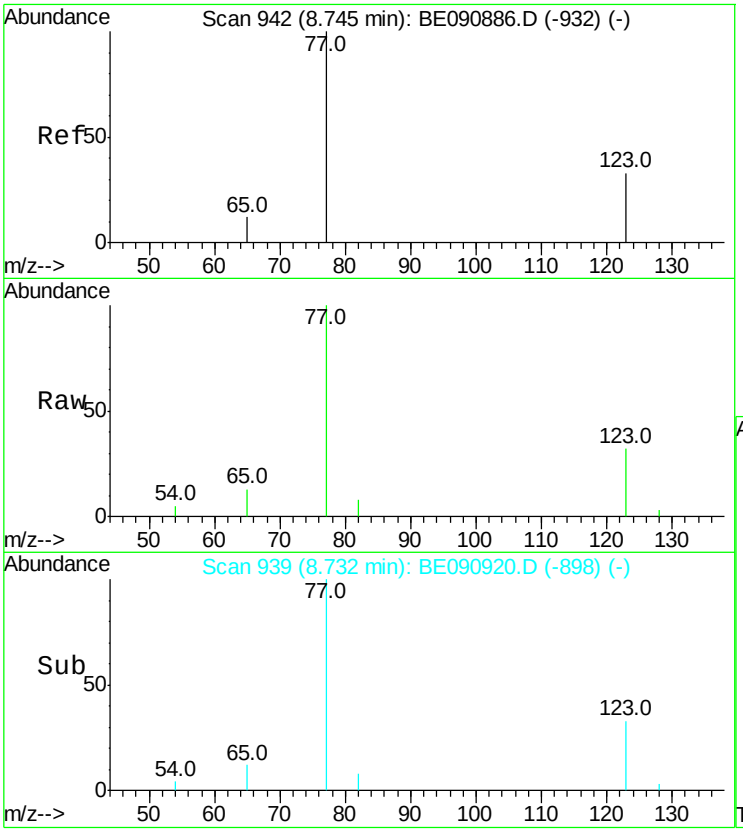


#8
Nitrobenzene-d5
Concen: 3.83 ng
RT: 8.69 min Scan# 929
Delta R.T. -0.02 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion: 82 Resp: 33201

Ion	Ratio	Lower	Upper
82	100		
128	29.8	25.0	37.4
54	59.6	46.3	69.5



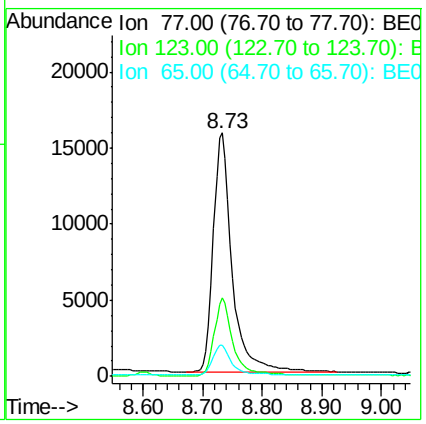


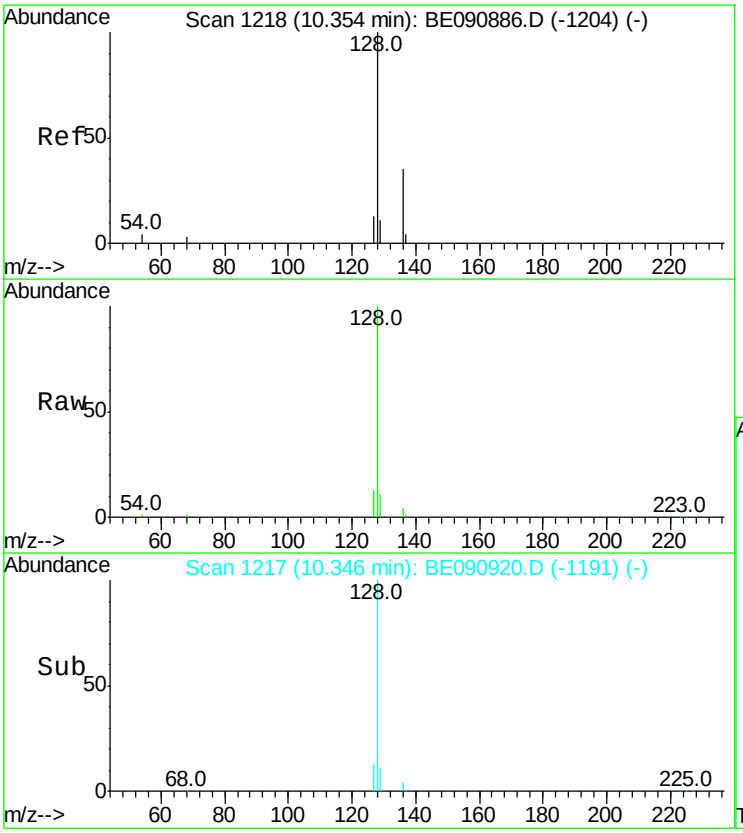
#9
Nitrobenzene
Concen: 3.58 ng
RT: 8.73 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion: 77 Resp: 34522

Ion	Ratio	Lower	Upper
77	100		
123	32.5	25.1	37.7
65	12.4	9.9	14.9

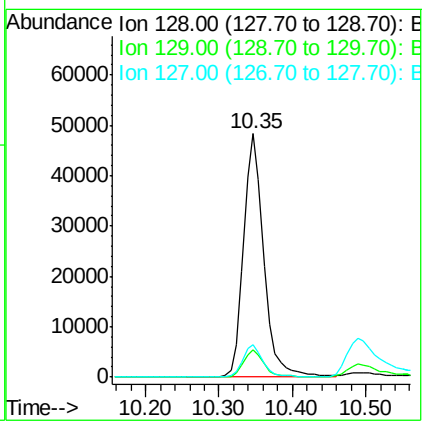


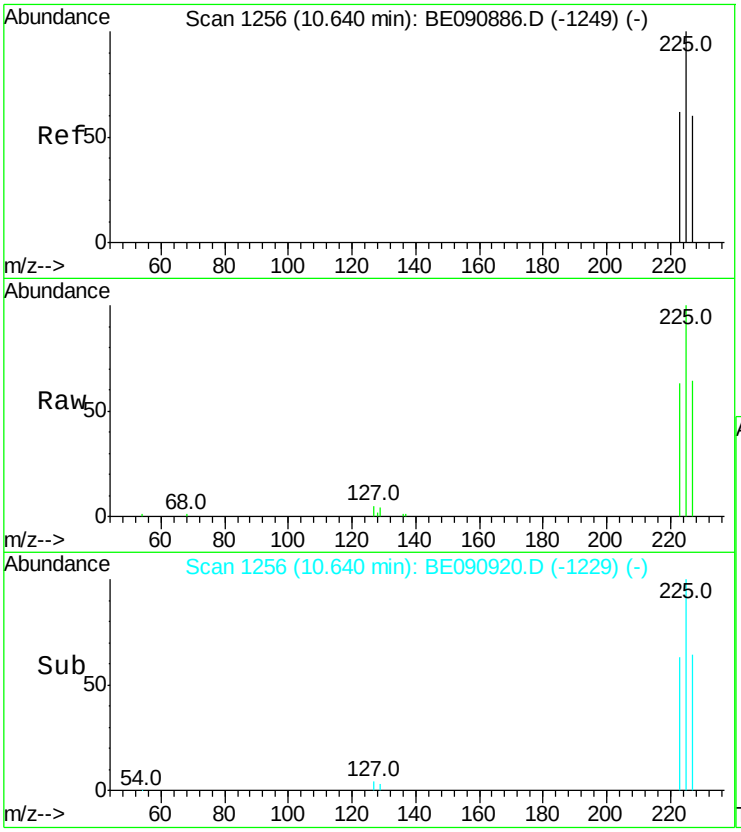


#10
Naphthalene
Concen: 3.73 ng
RT: 10.35 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:128 Resp: 91450

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	13.1	9.9	14.9



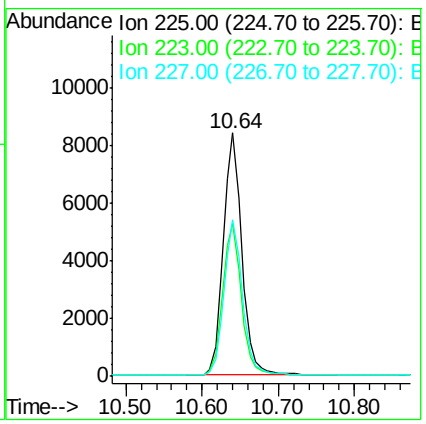


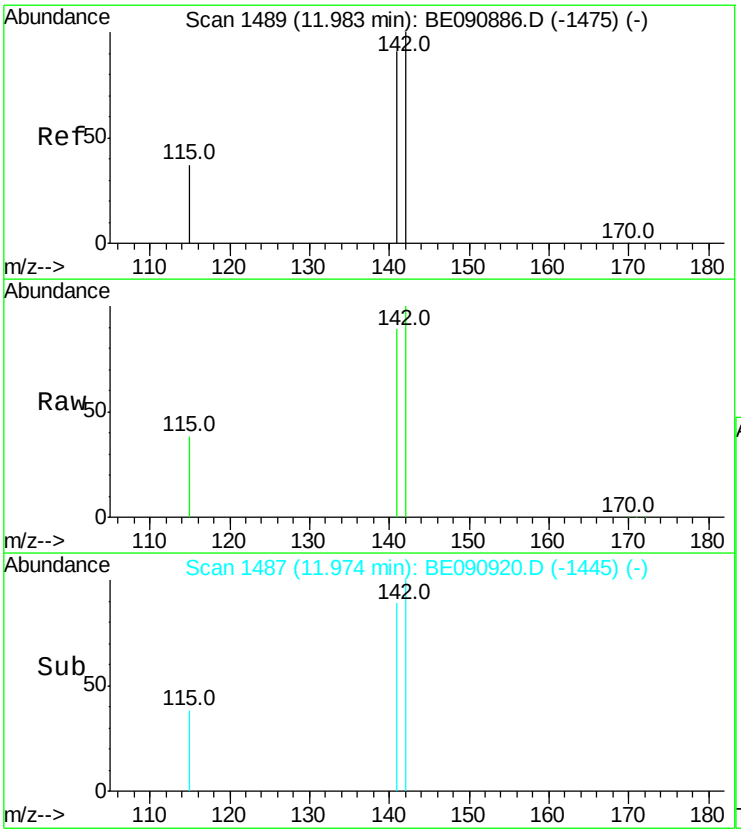
#11
Hexachlorobutadiene
Concen: 3.88 ng
RT: 10.64 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:225 Resp: 14156

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	76.0
227	63.9	51.0	76.6

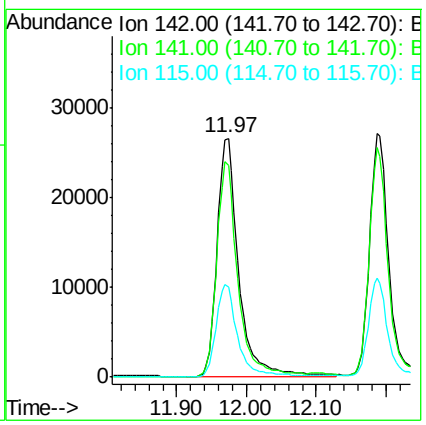


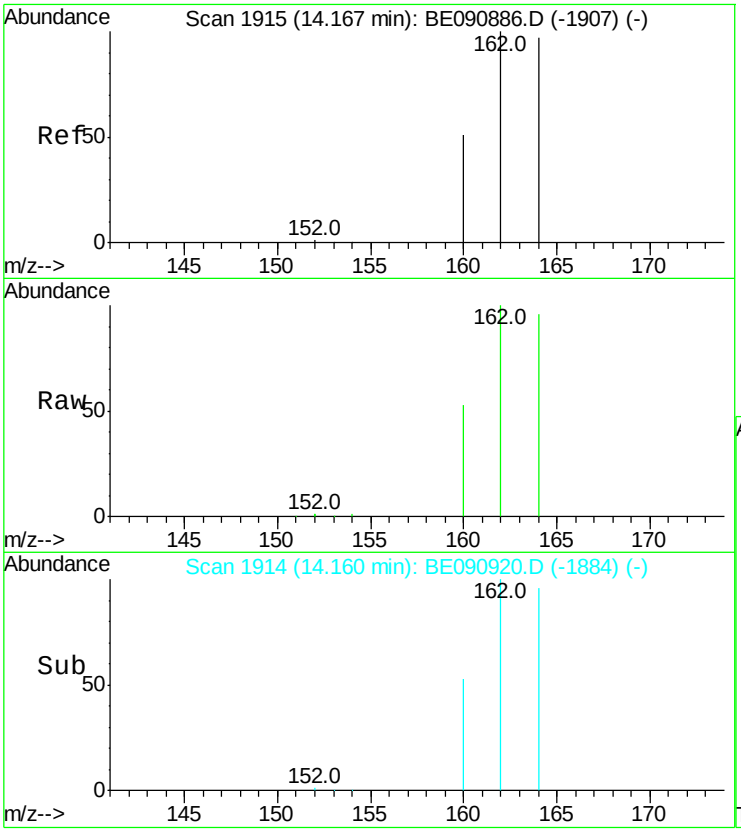


#12
2-Methylnaphthalene
Concen: 3.40 ng
RT: 11.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:142 Resp: 57543

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.4	107.2
115	37.8	31.0	46.4



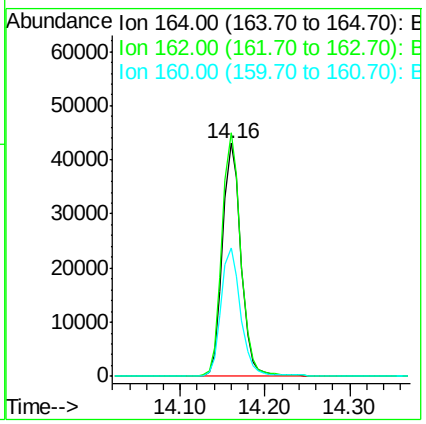


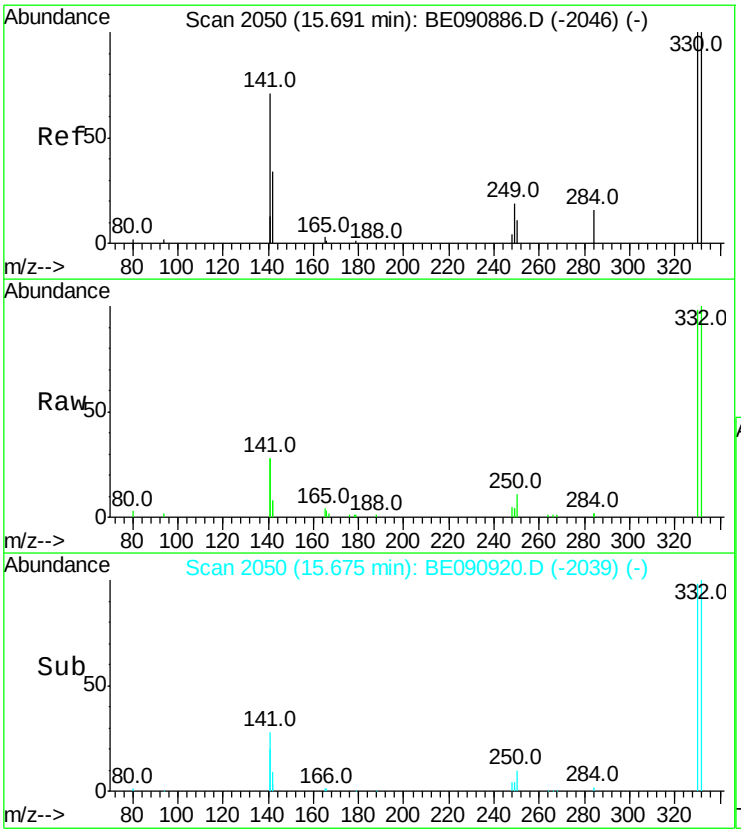
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.16 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:164 Resp: 65336

Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.8	130.2
160	55.1	53.9	80.9

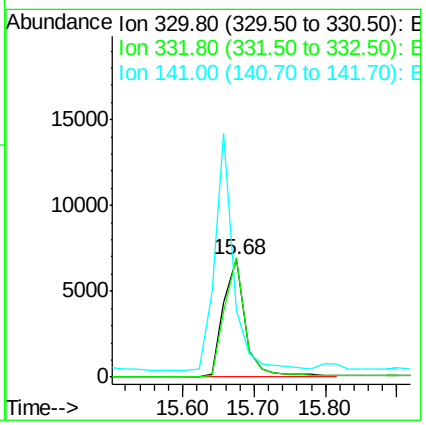


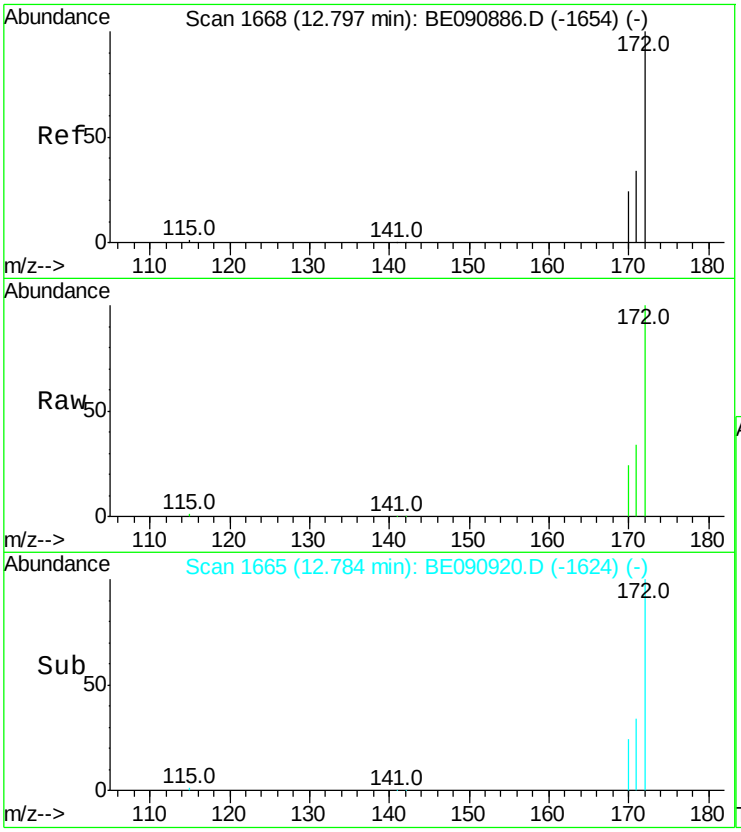


#14
2,4,6-Tribromophenol
Concen: 6.23 ng
RT: 15.68 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:330 Resp: 14367

Ion	Ratio	Lower	Upper
330	100		
332	97.2	74.9	112.3
141	174.5	145.2	217.8



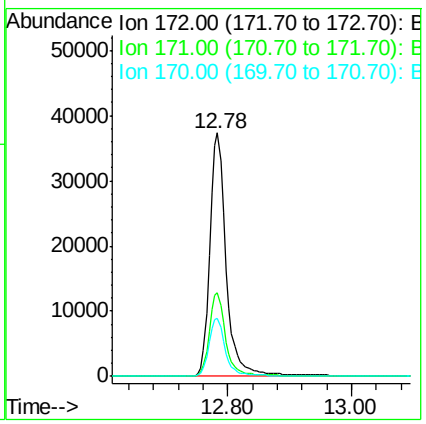


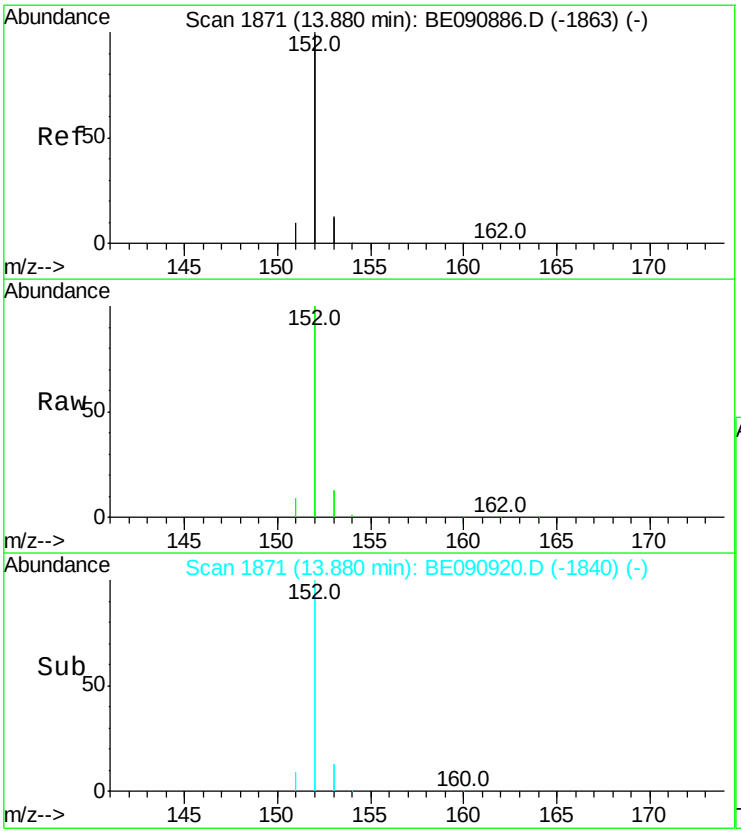
#15
2-Fluorobiphenyl
Concen: 3.68 ng
RT: 12.78 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:172 Resp: 68112

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.8
170	23.9	19.8	29.6

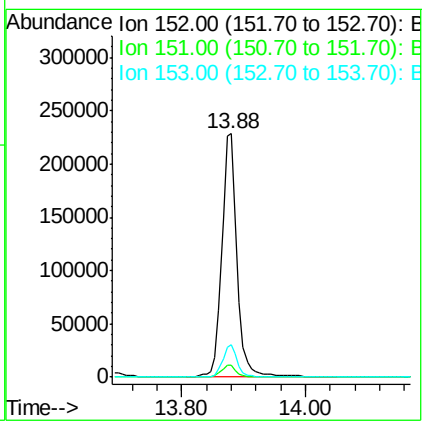


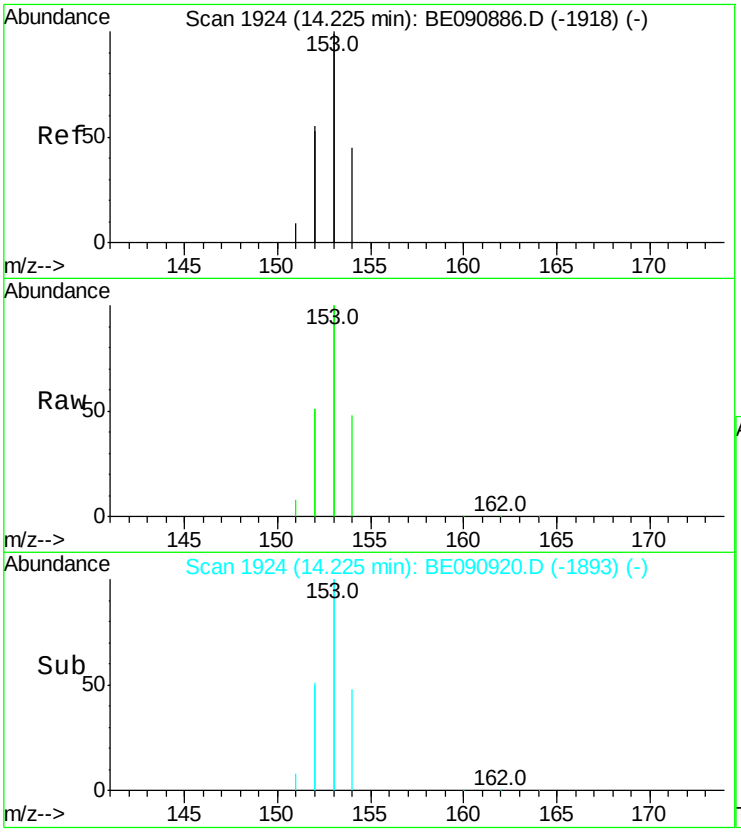


#16
Acenaphthylene
Concen: 3.40 ng
RT: 13.88 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:152 Resp: 386254

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	12.8	10.3	15.5



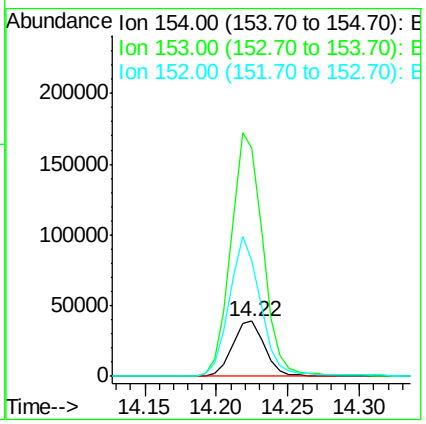


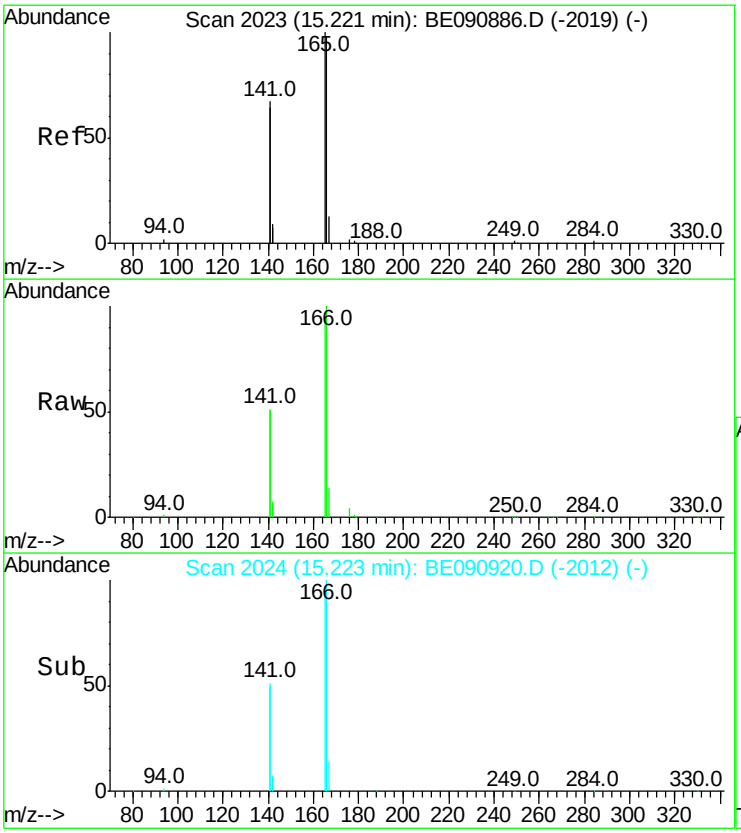
#17
Acenaphthene
Concen: 3.44 ng
RT: 14.22 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:154 Resp: 60226

Ion	Ratio	Lower	Upper
154	100		
153	441.3	354.5	531.7
152	245.5	227.8	341.6

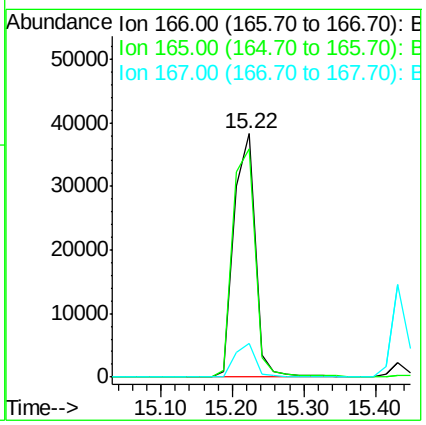


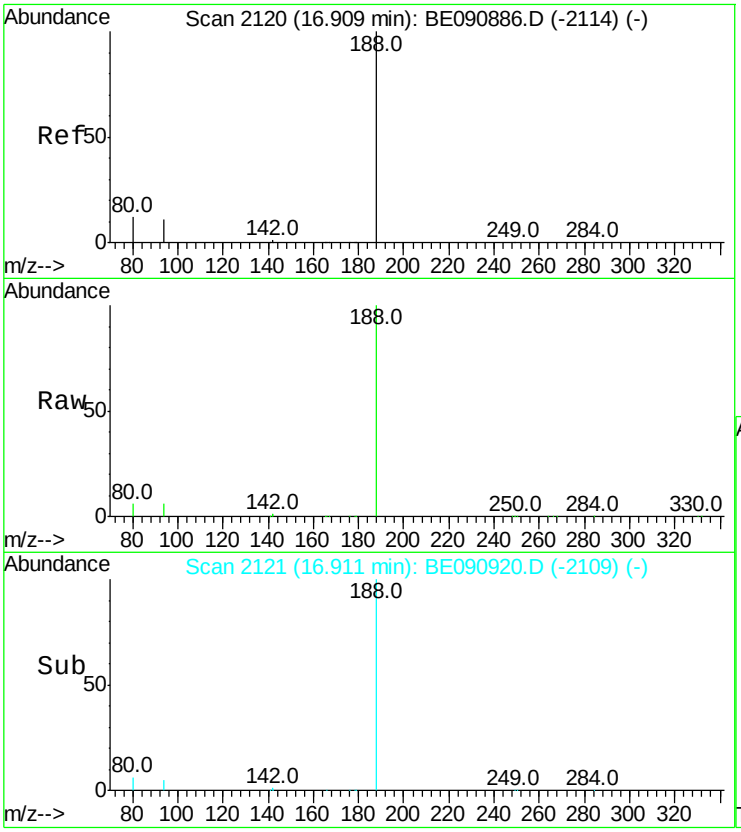


#18
Fluorene
Concen: 3.86 ng
RT: 15.22 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:166 Resp: 77321

Ion	Ratio	Lower	Upper
166	100		
165	99.9	82.7	124.1
167	13.3	10.7	16.1



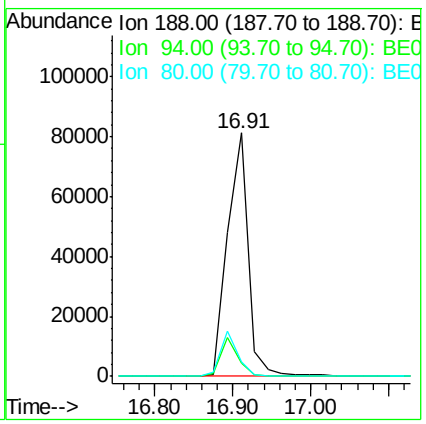


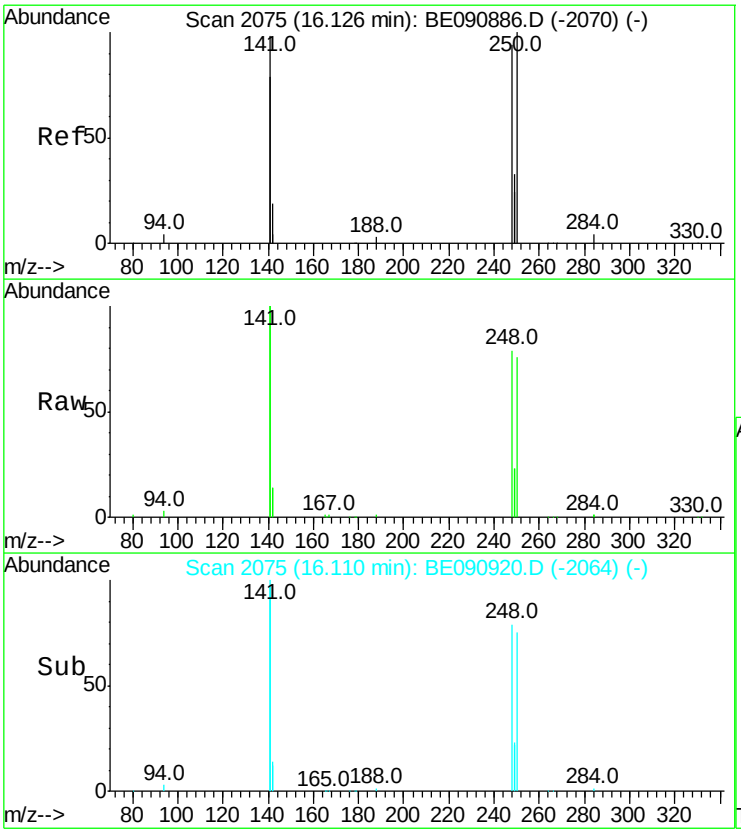
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:188 Resp: 149207

Ion	Ratio	Lower	Upper
188	100		
94	5.6	10.3	15.5#
80	5.9	11.0	16.6#

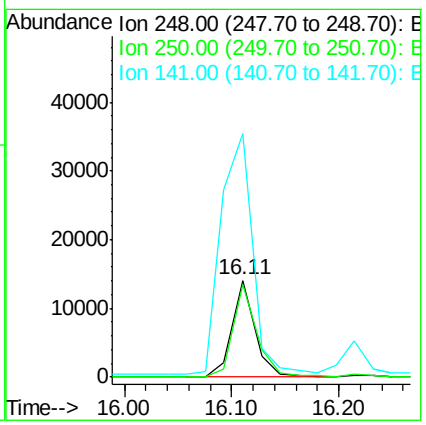


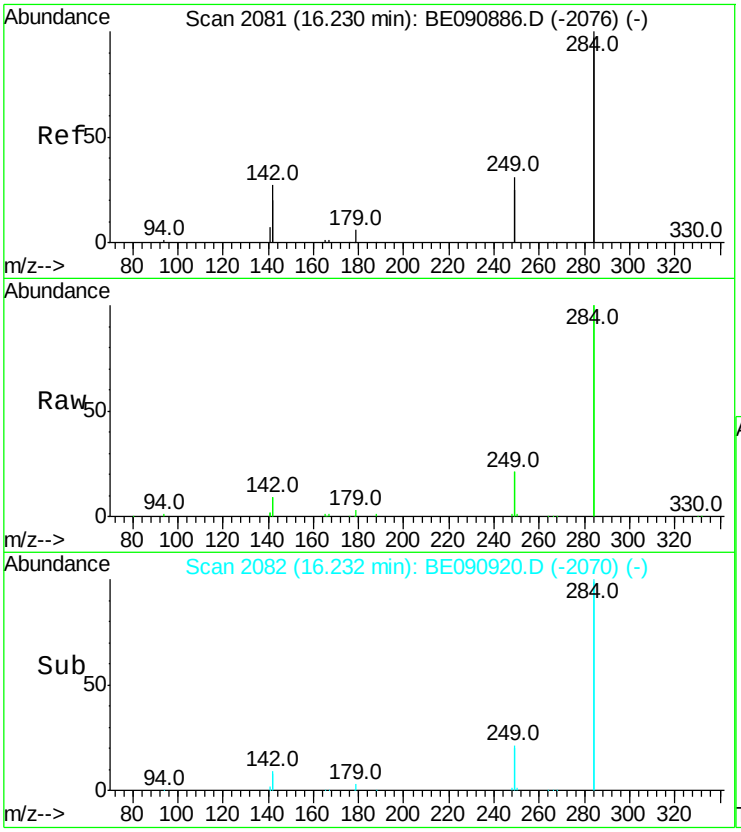


#20
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 16.11 min Scan# 2075
Delta R.T. -0.02 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:248 Resp: 20492

Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.7	115.1
141	344.0	292.6	439.0



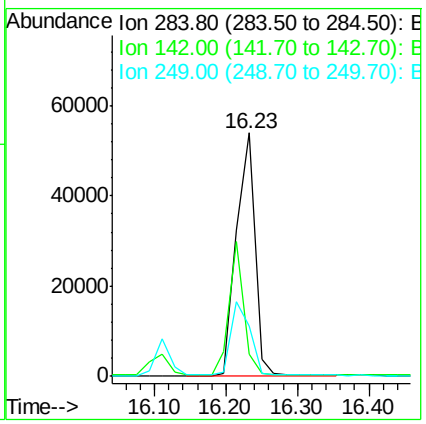


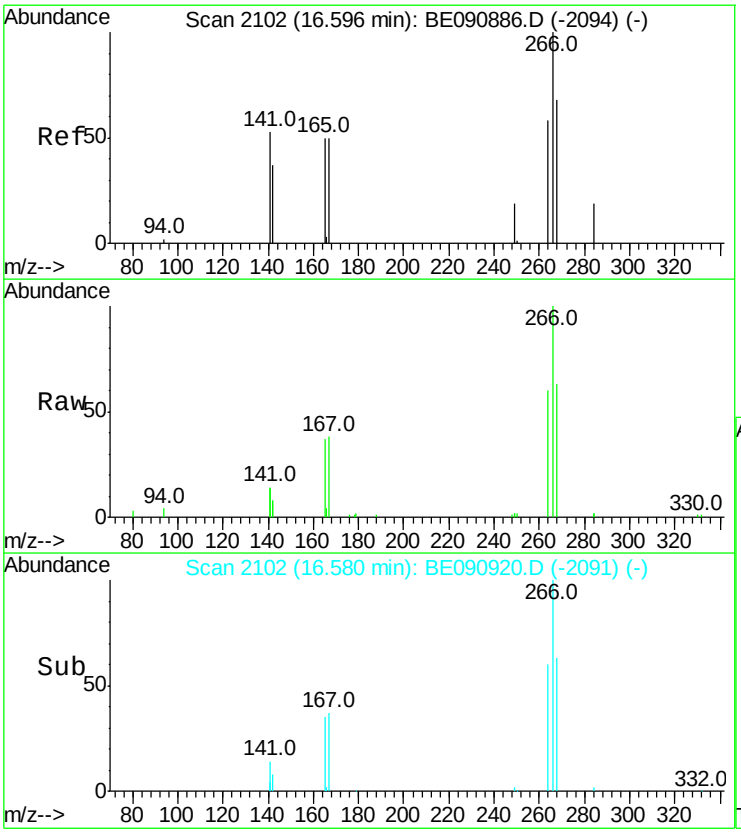
#21
Hexachlorobenzene
Concen: 3.99 ng
RT: 16.23 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:284 Resp: 95367

Ion	Ratio	Lower	Upper
284	100		
142	43.7	35.0	52.4
249	31.6	25.5	38.3

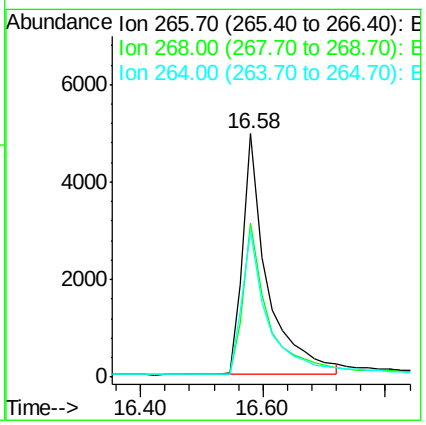


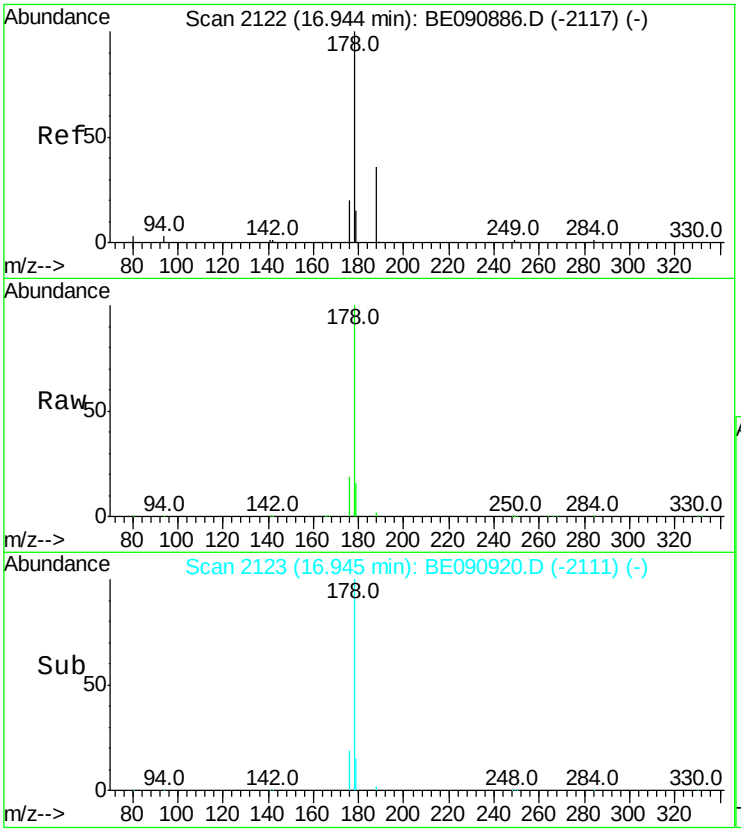


#22
Pentachlorophenol
Concen: 5.08 ng
RT: 16.58 min Scan# 2102
Delta R.T. -0.02 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:266 Resp: 13968

Ion	Ratio	Lower	Upper
266	100		
268	63.3	49.6	74.4
264	60.1	53.9	80.9



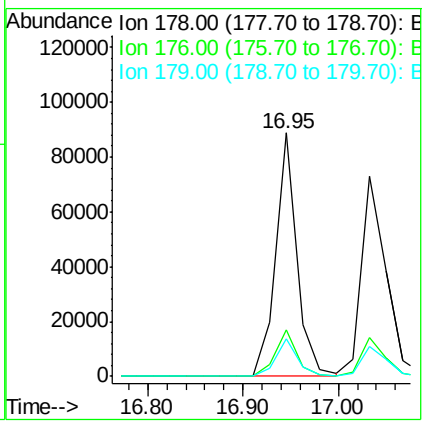


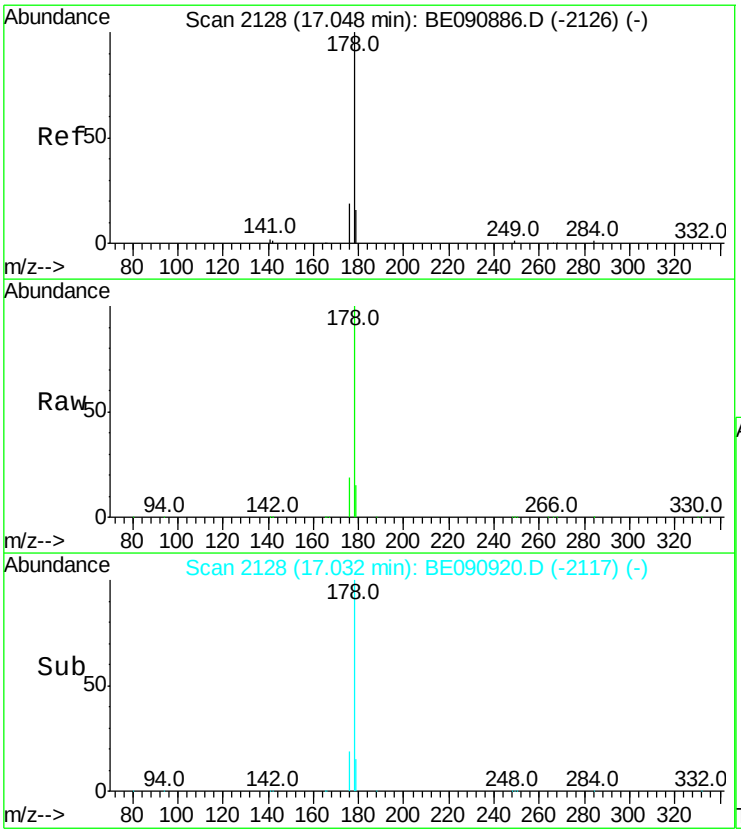
#23
Phenanthrene
Concen: 3.95 ng
RT: 16.95 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:178 Resp: 136112

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.5	12.8	19.2

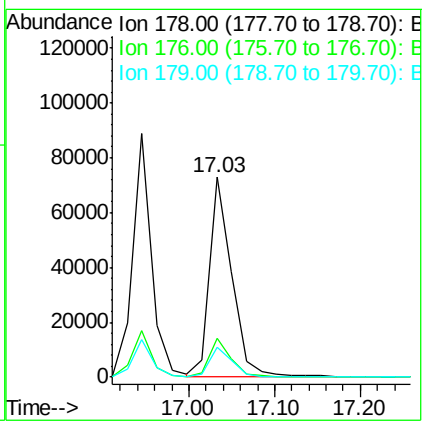


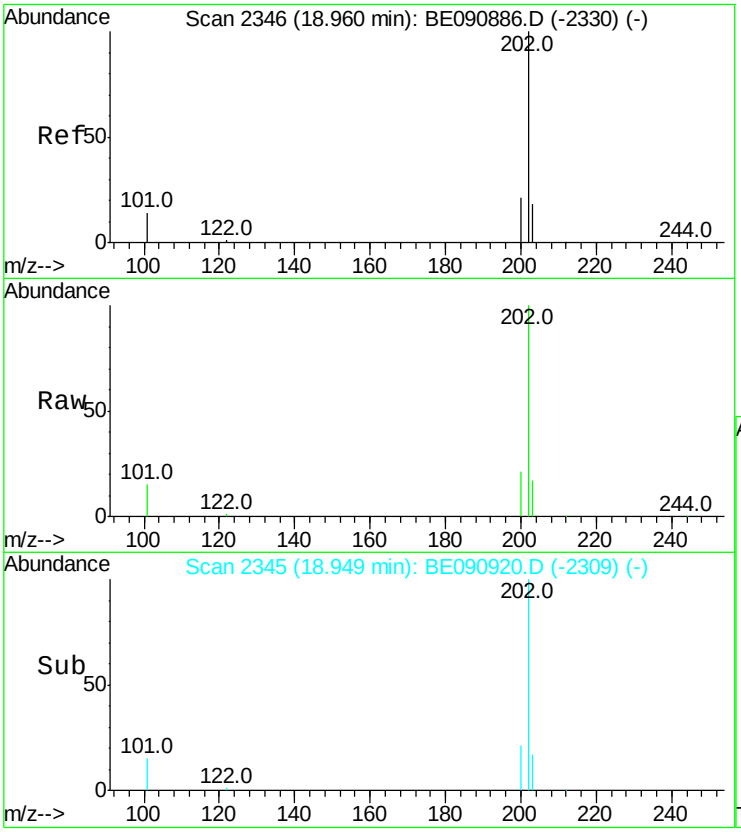


#24
Anthracene
Concen: 3.84 ng
RT: 17.03 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:178 Resp: 131157

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.1	12.3	18.5



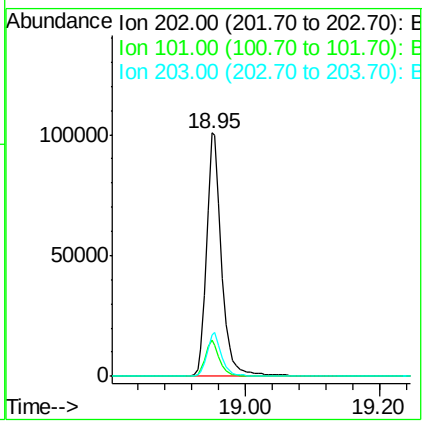


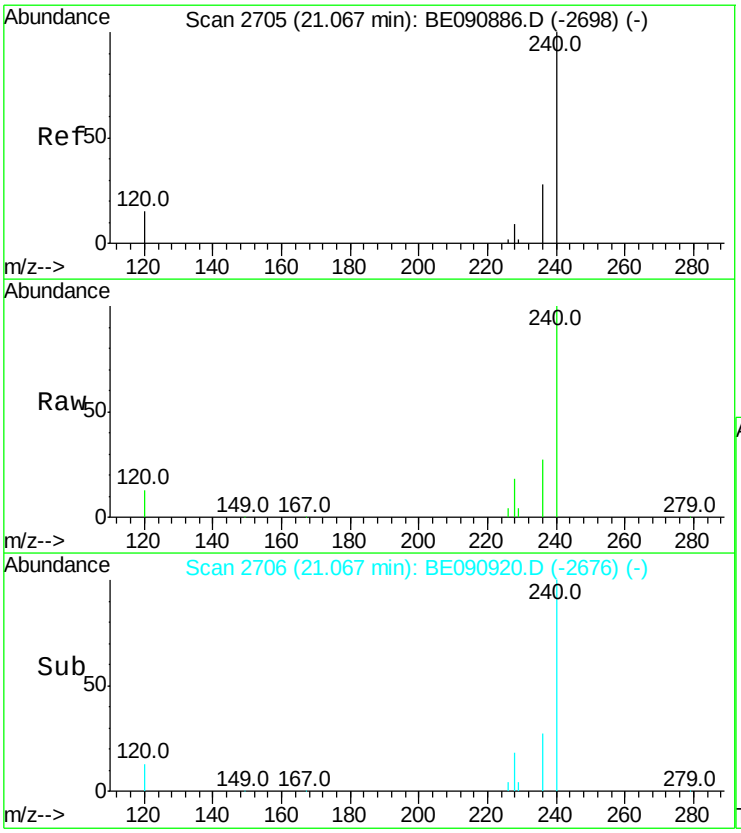
#25
Fluoranthene
Concen: 3.43 ng
RT: 18.95 min Scan# 2345
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:202 Resp: 155973

Ion	Ratio	Lower	Upper
202	100		
101	14.2	11.0	16.6
203	17.1	13.9	20.9

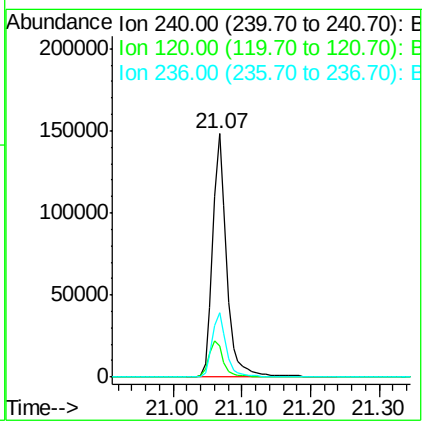


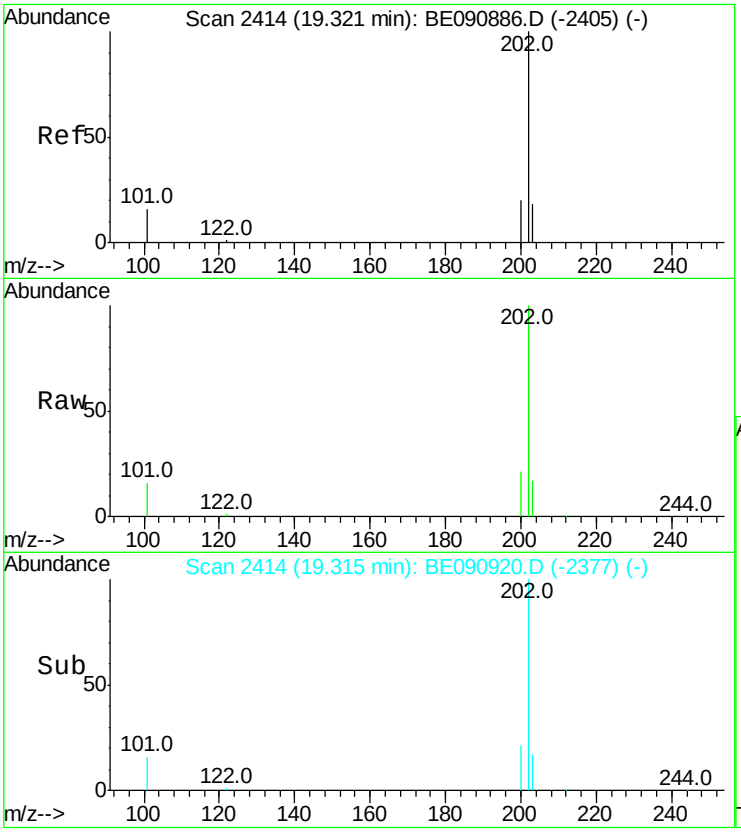


#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2706
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:240 Resp: 210250

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.1	15.1
236	26.6	21.9	32.9



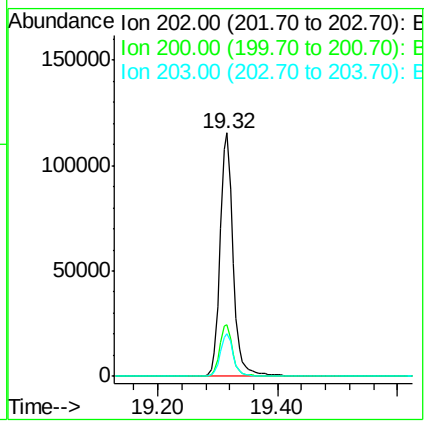


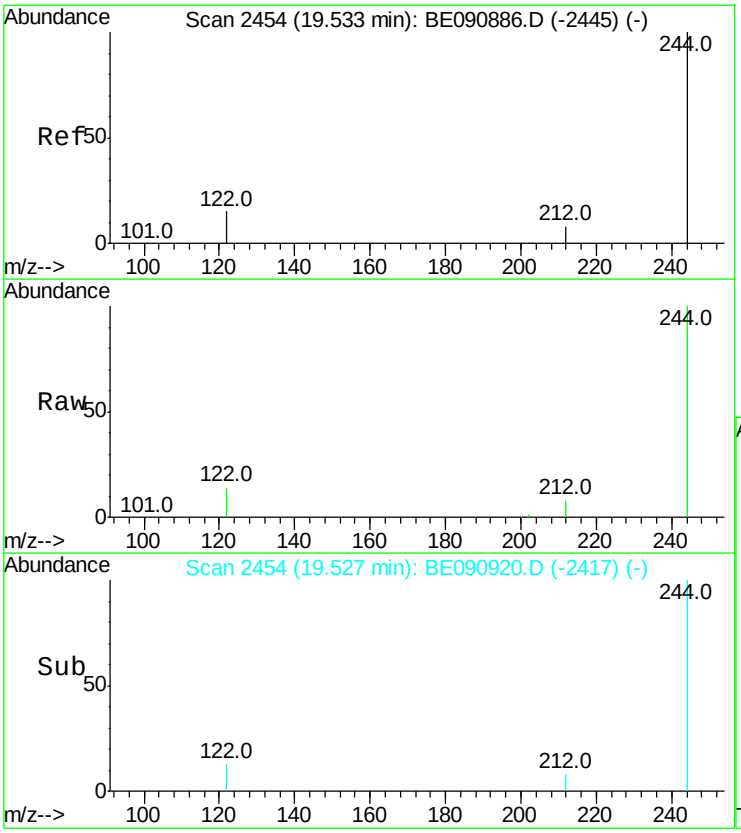
#27
Pyrene
Concen: 3.65 ng
RT: 19.32 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:202 Resp: 175289

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.8	13.8	20.6

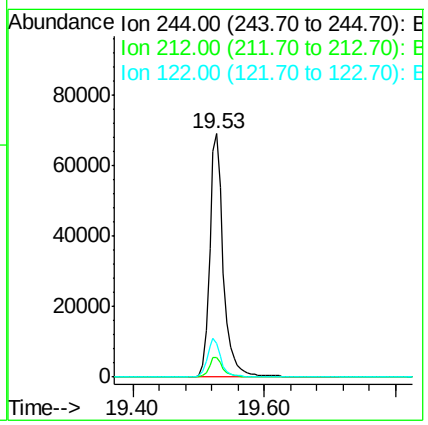


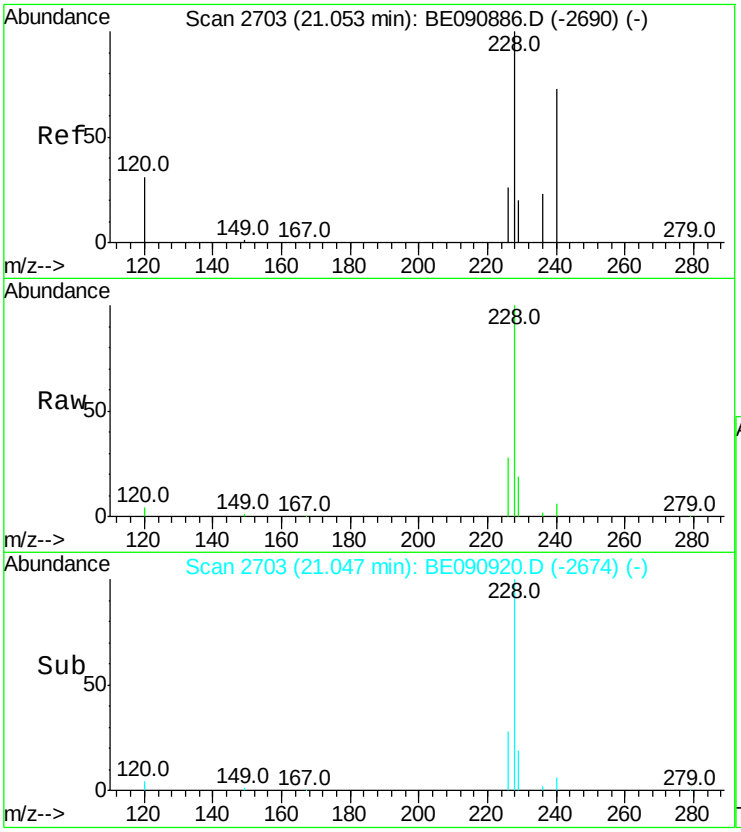


#28
Terphenyl-d14
Concen: 4.18 ng
RT: 19.53 min Scan# 2454
Delta R.T. -0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:244 Resp: 99669

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.9	10.3
122	13.8	12.9	19.3



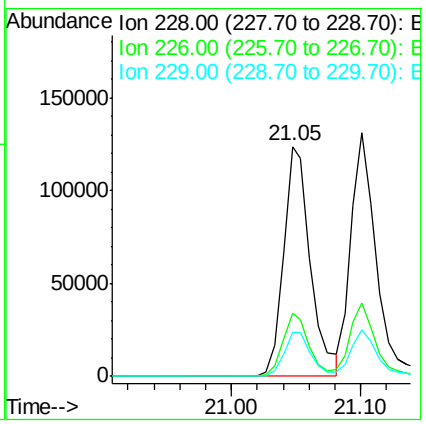


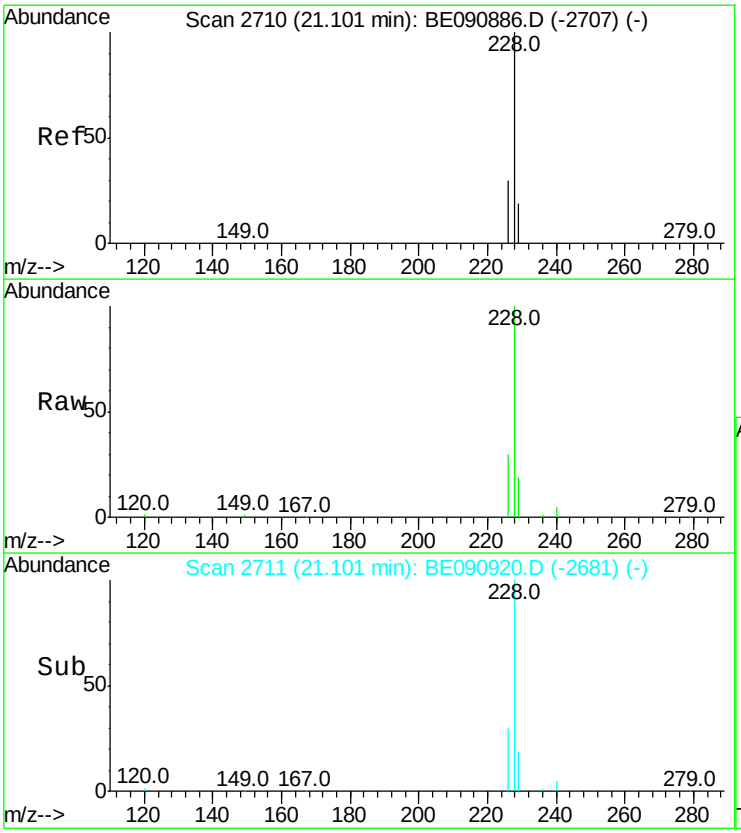
#29
Benzo(a)anthracene
Concen: 3.47 ng
RT: 21.05 min Scan# 2703
Delta R.T. -0.01 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:228 Resp: 180176

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.6	32.4
229	19.2	15.9	23.9

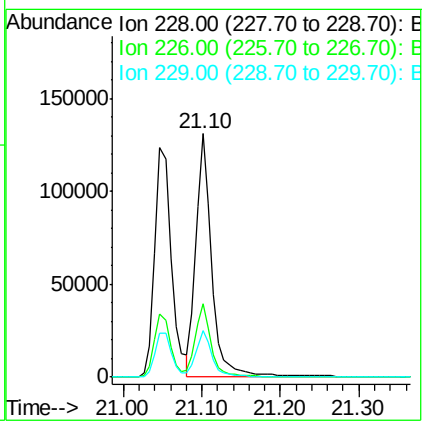


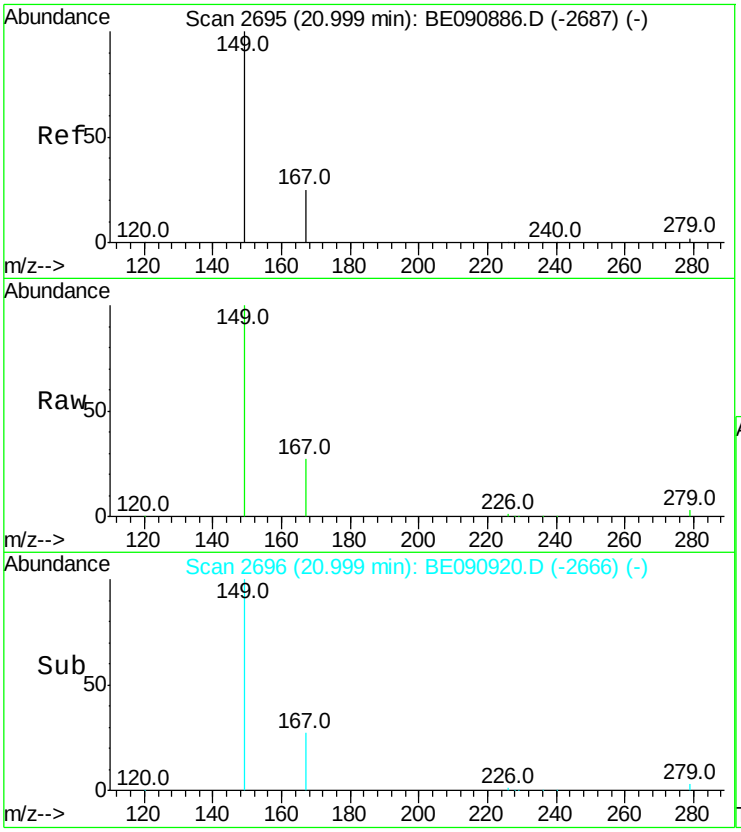


#30
Chrysene
Concen: 3.73 ng
RT: 21.10 min Scan# 2711
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:228 Resp: 182372

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.4
229	19.4	15.3	22.9



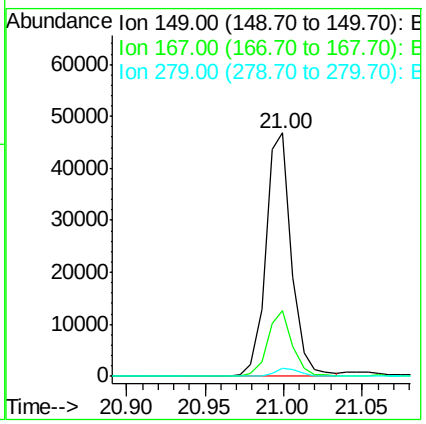


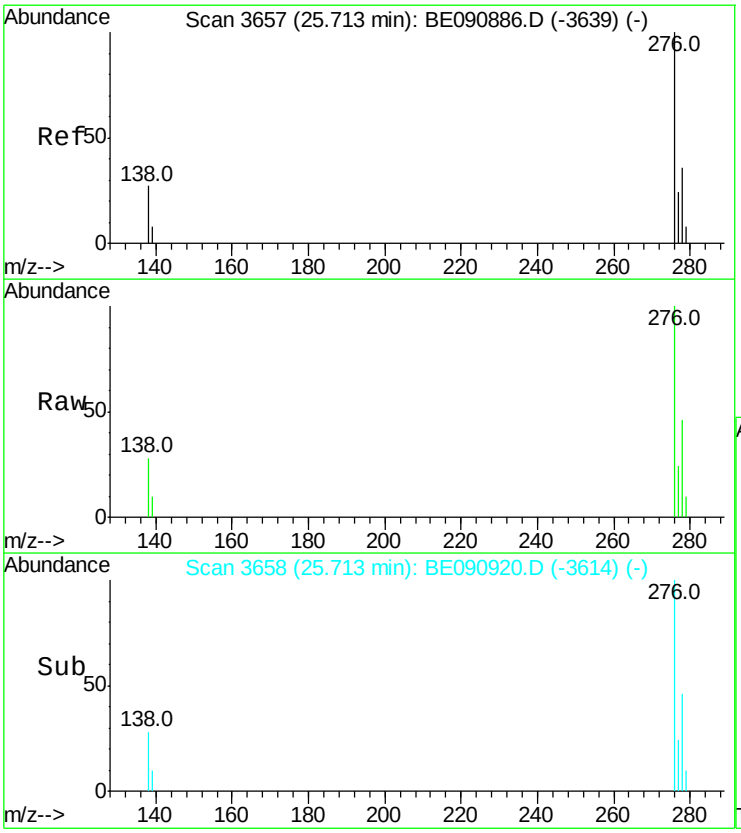
#31
Bis(2-ethylhexyl)phthalate
Concen: 2.32 ng
RT: 21.00 min Scan# 2696
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:149 Resp: 53347

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.1	30.1
279	3.0	2.3	3.5

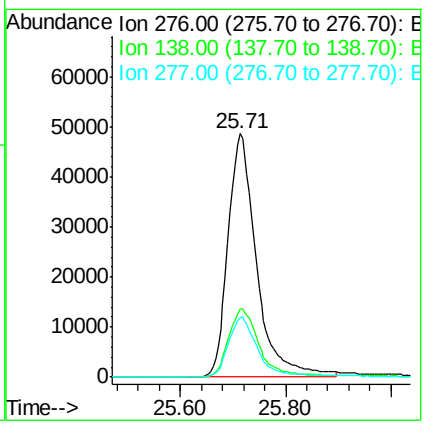


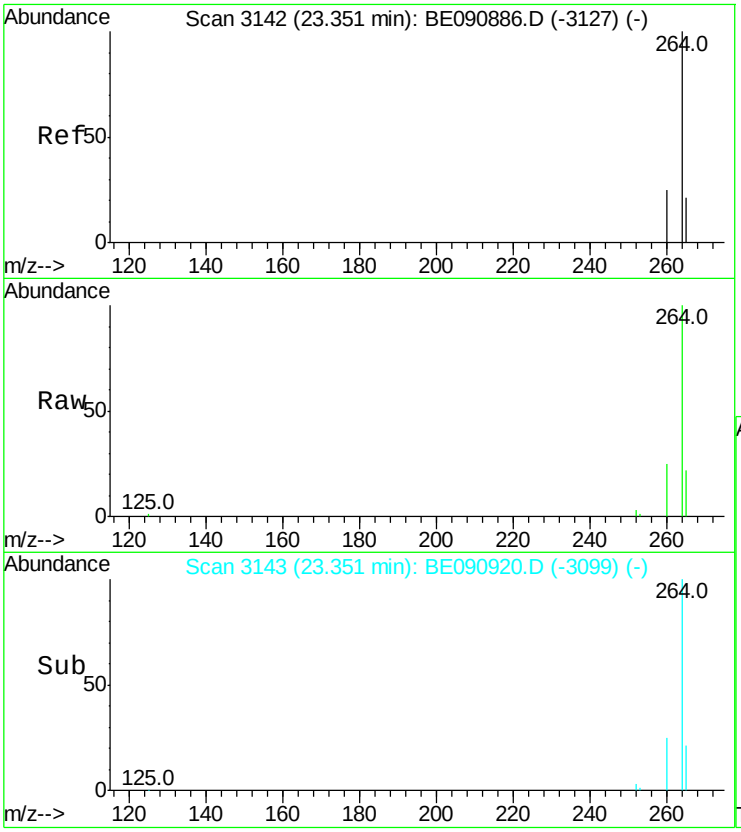


#32
Indeno(1,2,3-cd)pyrene
Concen: 2.98 ng
RT: 25.71 min Scan# 3658
Delta R.T. -0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:276 Resp: 182549

Ion	Ratio	Lower	Upper
276	100		
138	30.0	23.3	34.9
277	25.1	19.8	29.6



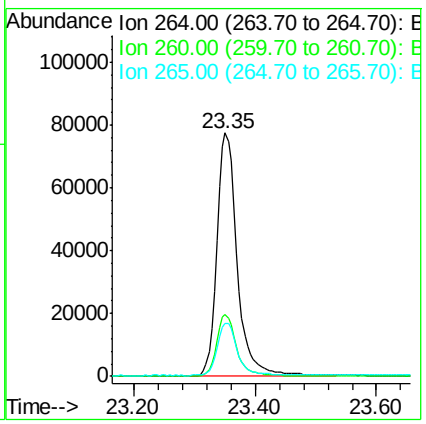


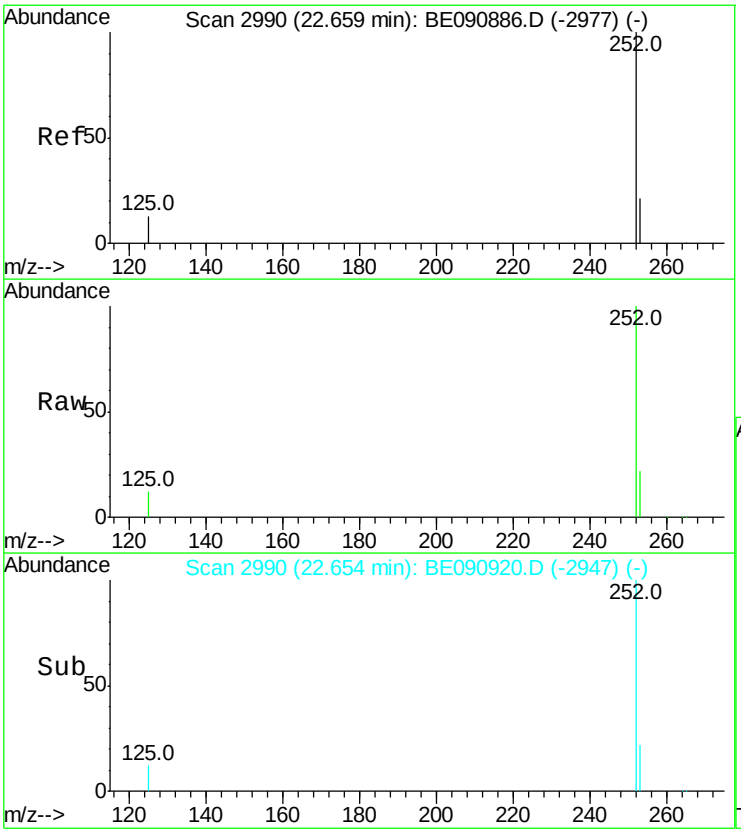
#33
Perylene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Instrument :
BNA_E
ClientSampleId :
PB85661BSD

Tgt Ion:264 Resp: 181121

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	21.6	17.5	26.3





#34
Benzo(b)fluoranthene
Concen: 3.71 ng
RT: 22.65 min Scan# 2990
Delta R.T. -0.00 min
Lab File: BE090920.D
Acq: 21 Sep 2015 16:14

Tgt Ion:252 Resp: 157446

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	12.5	10.6	16.0