Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042117\
Data File : BE092909.D
Acq On : 21 Apr 2017 15:19
Operator : SJ/MA
Sample : PB98387BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Apr 22 05:51:52 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 20 17:35:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	876	0.40	ng		0.00
7) Naphthalene-d8	10.53	136	3398	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	1352	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	3088	0.40	ng		0.00
26) Chrysene-d12	21.28	240	2470	0.40	ng		0.00
33) Perylene-d12	23.69	264	1755	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	636	0.33	ng		0.00
5) Phenol-d6	6.94	99	851	0.32	ng		0.00
8) Nitrobenzene-d5	8.90	82	753	0.33	ng		0.00
11) 2-Methylnaphthalene-d10	12.13	152	2116	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	51	0.23	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	2128	0.34	ng		0.00
24) Fluoranthene-d10	19.15	212	2382	0.32	ng		0.00
28) Terphenyl-d14	19.73	244	1412	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	368	0.22	ng	#	82
3) n-Nitrosodimethylamine	3.61	42	427	0.34	ng	#	85
6) bis(2-Chloroethyl)ether	7.20	93	1097	0.34	ng		99
9) Naphthalene	10.58	128	2974	0.33	ng	#	87
10) Hexachlorobutadiene	10.89	225	417	0.33	ng		97
12) 2-Methylnaphthalene	12.19	142	1832	0.33	ng		96
16) Acenaphthylene	14.10	152	7015	0.32	ng		99
17) Acenaphthene	14.46	154	1439	0.34	ng		95
18) Fluorene	15.43	166	1690	0.32	ng		98
20) Hexachlorobenzene	16.47	284	457	0.33	ng	#	100
21) Pentachlorophenol	16.79	266	149	0.61	ng	#	84
22) Phenanthrene	17.18	178	2906	0.32	ng		99
23) Anthracene	17.27	178	2158	0.32	ng		99
25) Fluoranthene	19.17	202	11019	0.29	ng	#	98
27) Pyrene	19.53	202	11285	0.35	ng	#	100
29) Benzo(a)anthracene	21.27	228	1903	0.33	ng	#	85
30) Chrysene	21.32	228	2506	0.34	ng	#	82
31) Bis(2-ethylhexyl)phthalate	21.20	149	410	0.28	ng	#	100
32) Indeno(1,2,3-cd)pyrene	26.22	276	8921	0.37	ng		100
34) Benzo(b)fluoranthene	22.95	252	2097	0.34	ng	#	86
35) Benzo(k)fluoranthene	23.00	252	2037	0.33	ng	#	84
36) Benzo(a)pyrene	23.57	252	1656	0.33	ng	#	81
37) Dibenzo(a,h)anthracene	26.25	278	1935	0.35	ng	#	81
38) Benzo(g,h,i)perylene	27.00	276	8443	0.35	ng	#	83

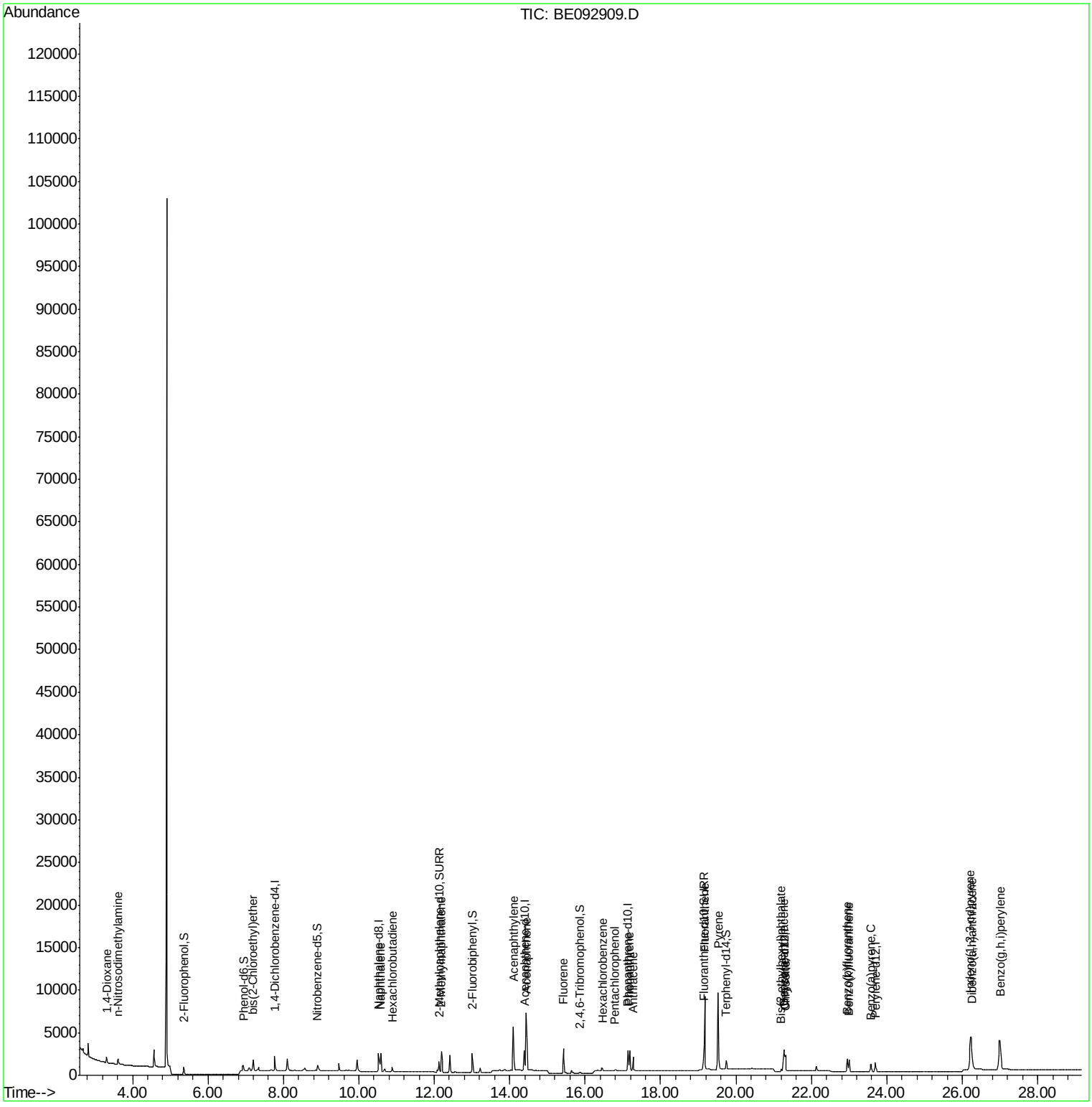
(#) = qualifier out of range (m) = manual integration (+) = signals summed

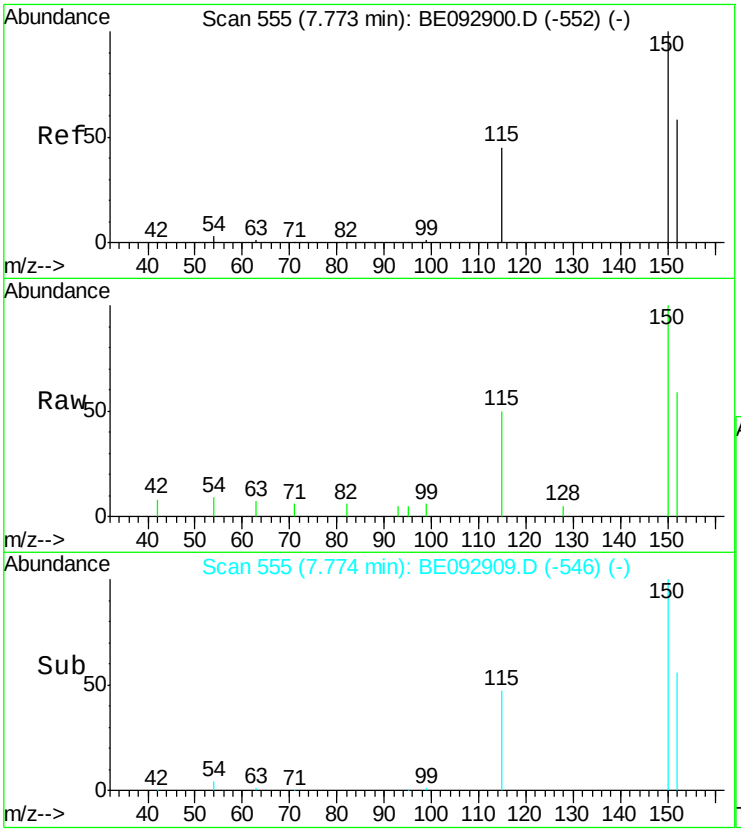
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042117\
Data File : BE092909.D
Acq On : 21 Apr 2017 15:19
Operator : SJ/MA
Sample : PB98387BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Apr 22 05:51:52 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 20 17:35:10 2017
Response via : Initial Calibration



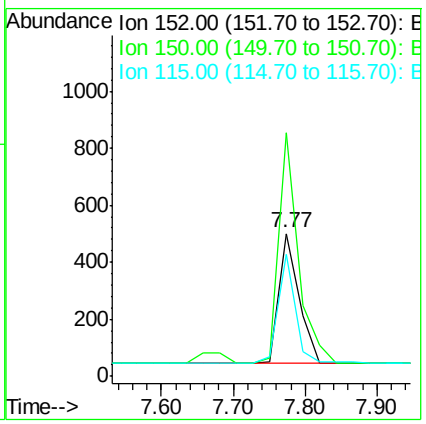


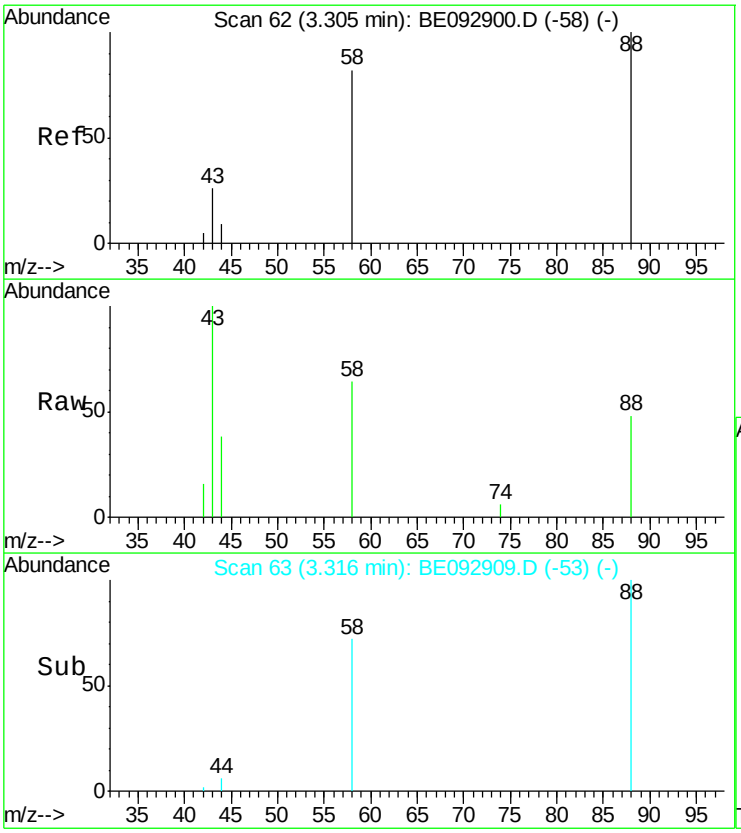
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.77 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 876

Ion	Ratio	Lower	Upper
152	100		
150	170.8	129.9	194.9
115	85.4	62.6	93.8

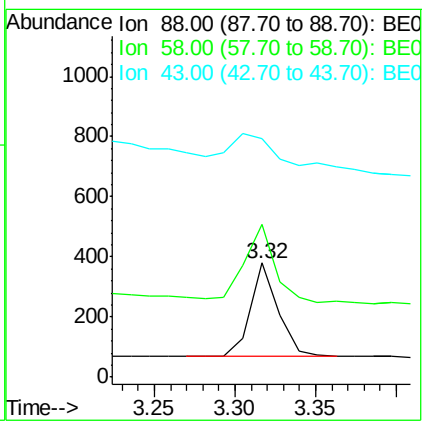


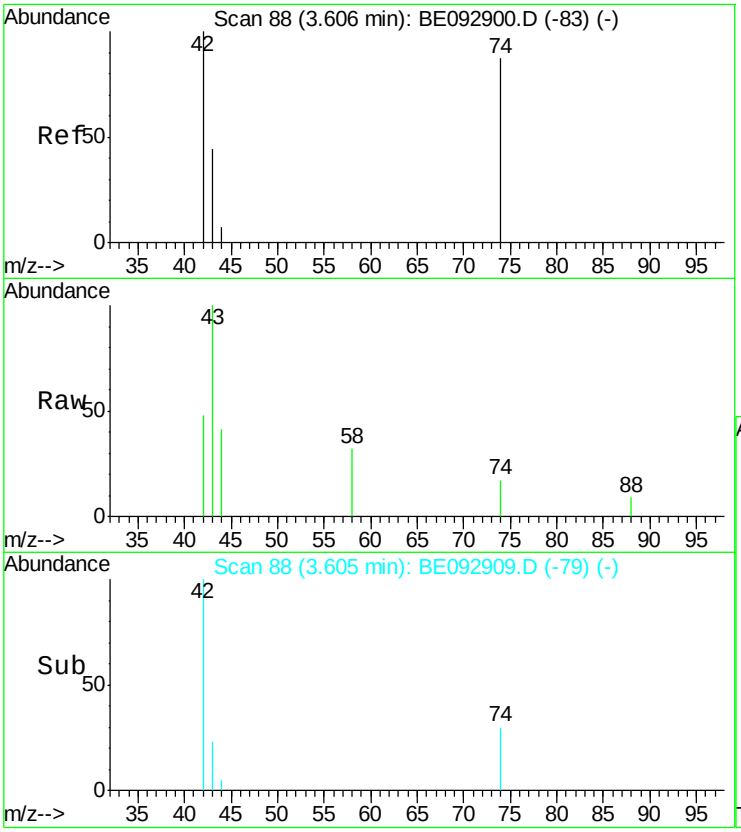


#2
1,4-Dioxane
Concen: 0.22 ng
RT: 3.32 min Scan# 63
Delta R.T. 0.01 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion: 88 Resp: 368

Ion	Ratio	Lower	Upper
88	100		
58	89.7	64.9	97.3
43	55.7	26.6	40.0#



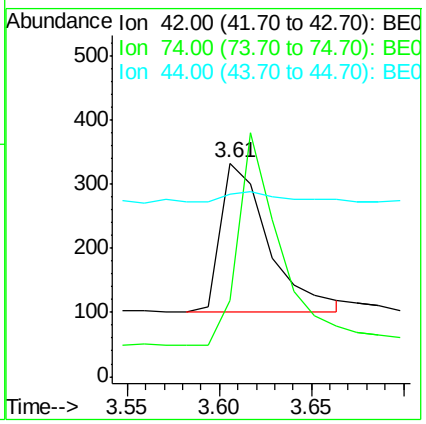


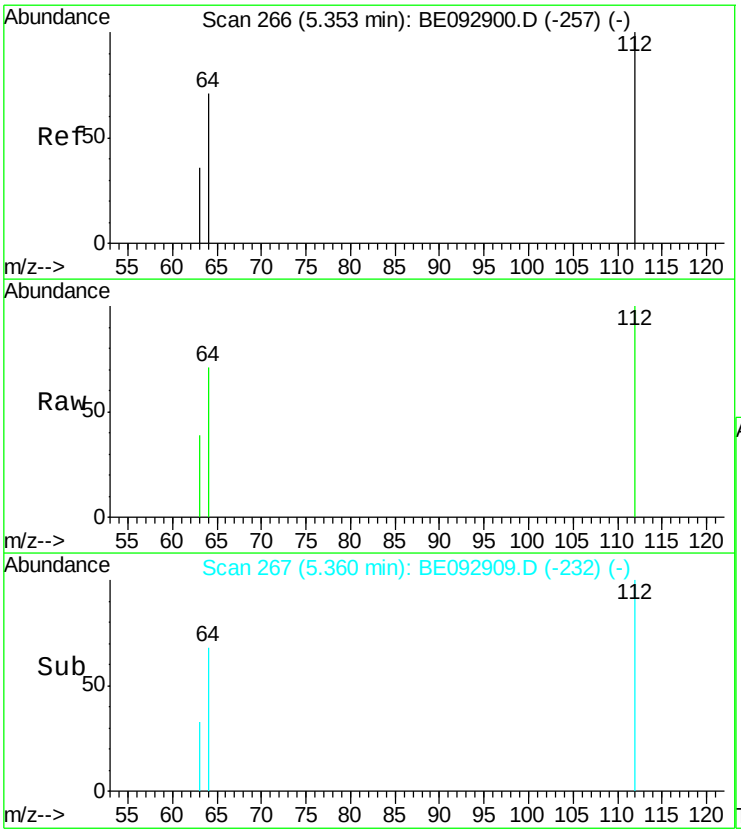
#3
n-Nitrosodimethylamine
Concen: 0.34 ng
RT: 3.61 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 427

Ion	Ratio	Lower	Upper
42	100		
74	122.5	106.6	160.0
44	11.5	25.7	38.5#

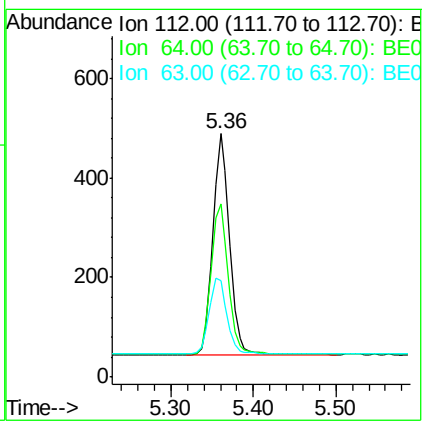


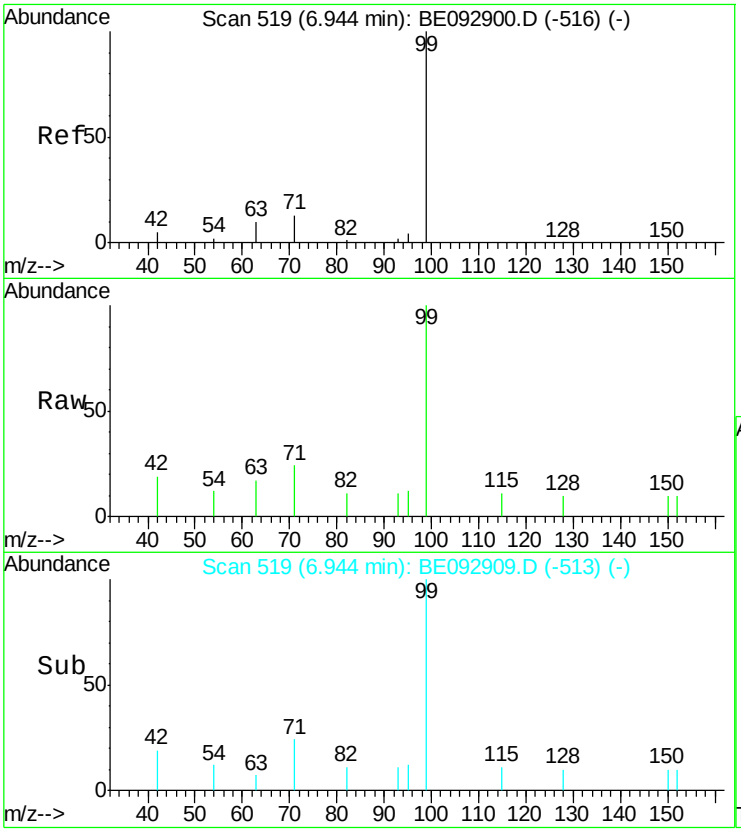


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.36 min Scan# 267
Delta R.T. 0.01 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:112 Resp: 636

Ion	Ratio	Lower	Upper
112	100		
64	68.7	52.6	79.0
63	35.1	29.0	43.4



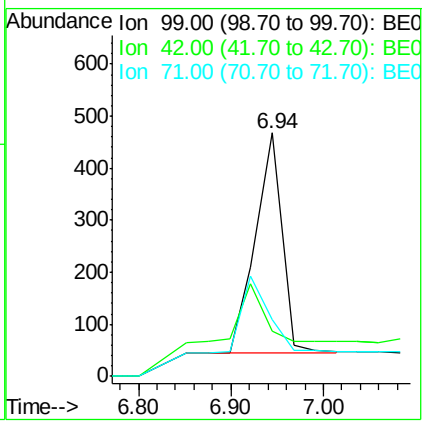


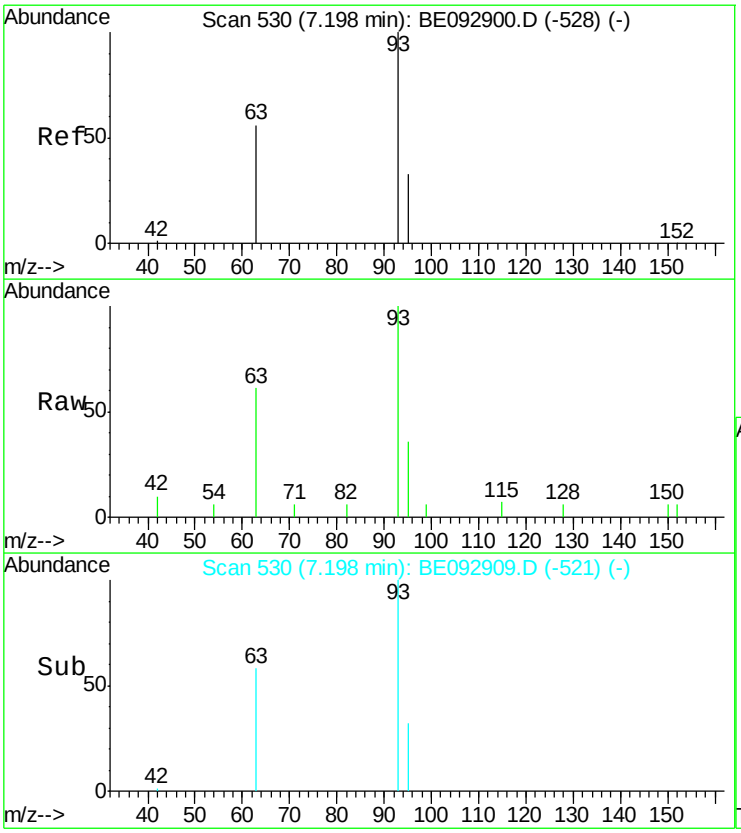
#5
Phenol-d6
Concen: 0.32 ng
RT: 6.94 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 851

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	0.0	0.0

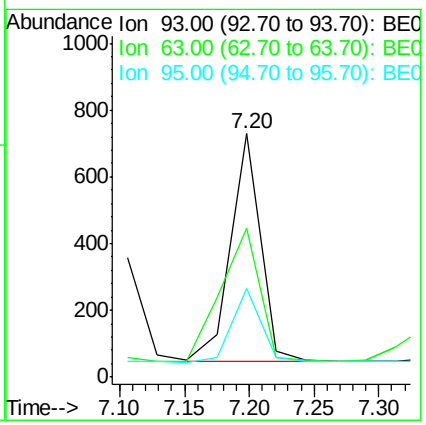


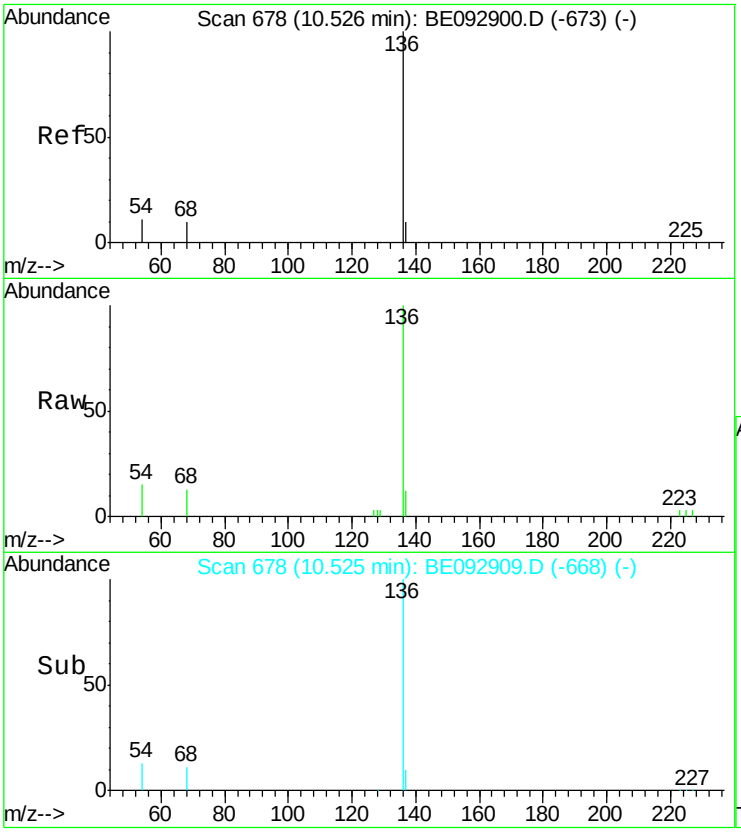


#6
bis(2-Chloroethyl)ether
Concen: 0.34 ng
RT: 7.20 min Scan# 530
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion: 93 Resp: 1097

Ion	Ratio	Lower	Upper
93	100		
63	75.5	61.2	91.8
95	32.7	25.5	38.3



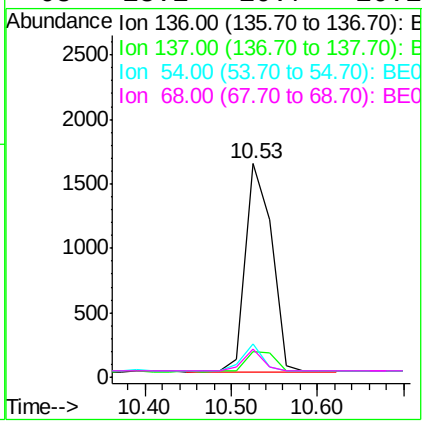


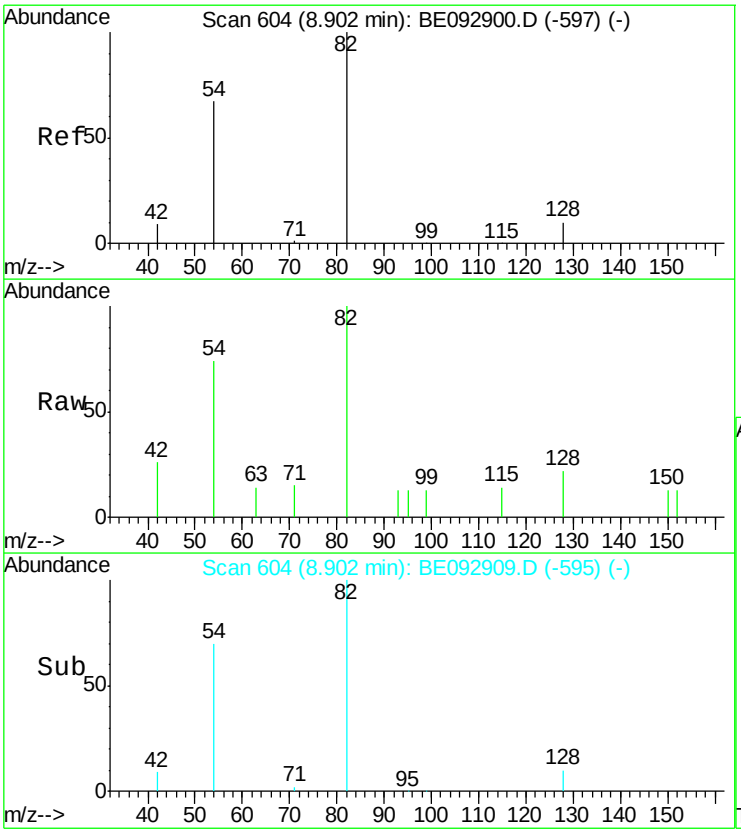
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.53 min Scan# 678
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 3398

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.4	15.6
54	15.4	12.6	18.8
68	13.1	10.7	16.1

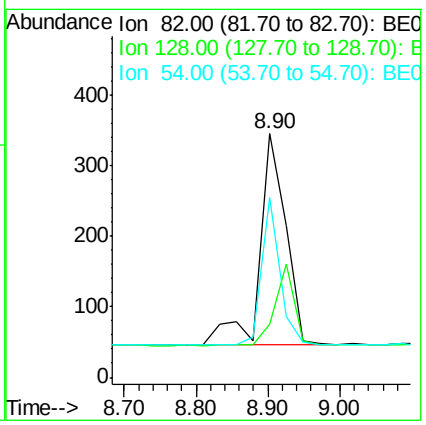


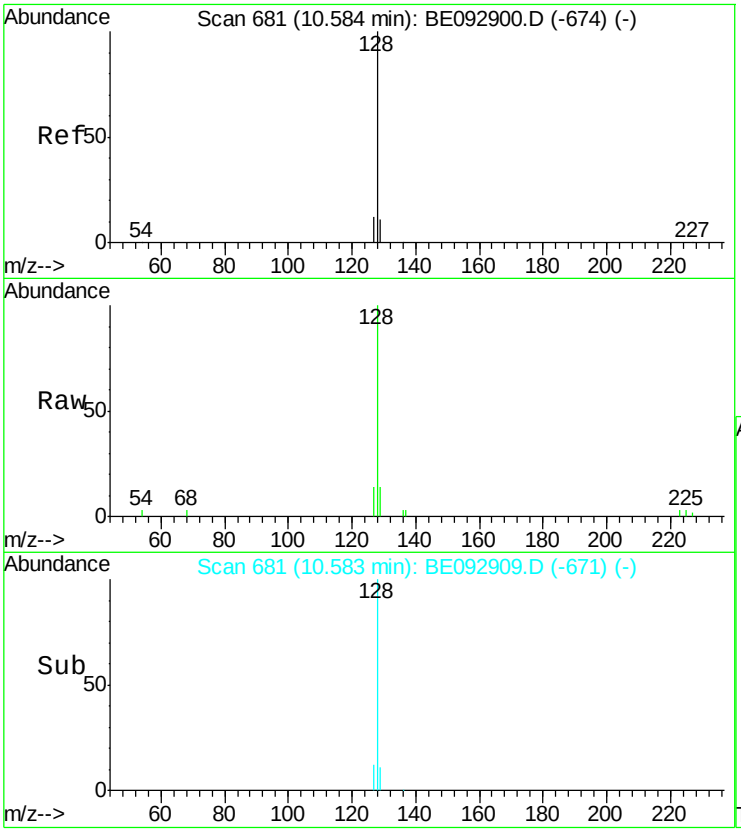


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.90 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion: 82 Resp: 753

Ion	Ratio	Lower	Upper
82	100		
128	22.0	35.3	52.9#
54	73.9	65.1	97.7



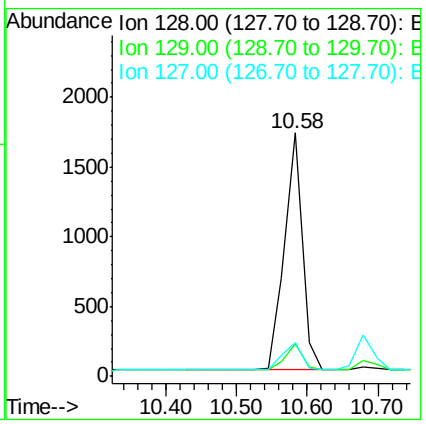


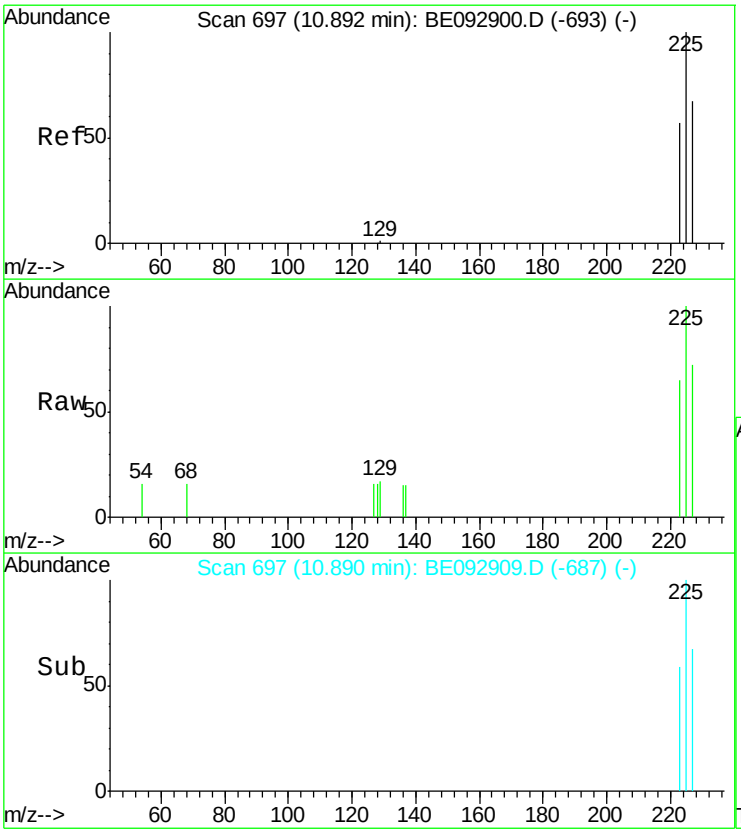
#9
Naphthalene
Concen: 0.33 ng
RT: 10.58 min Scan# 681
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 2974

Ion	Ratio	Lower	Upper
128	100		
129	13.6	15.8	23.8#
127	13.9	16.0	24.0#

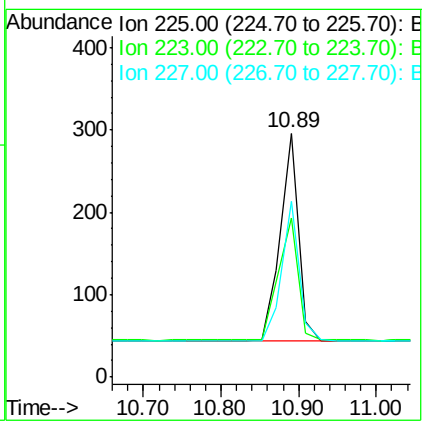


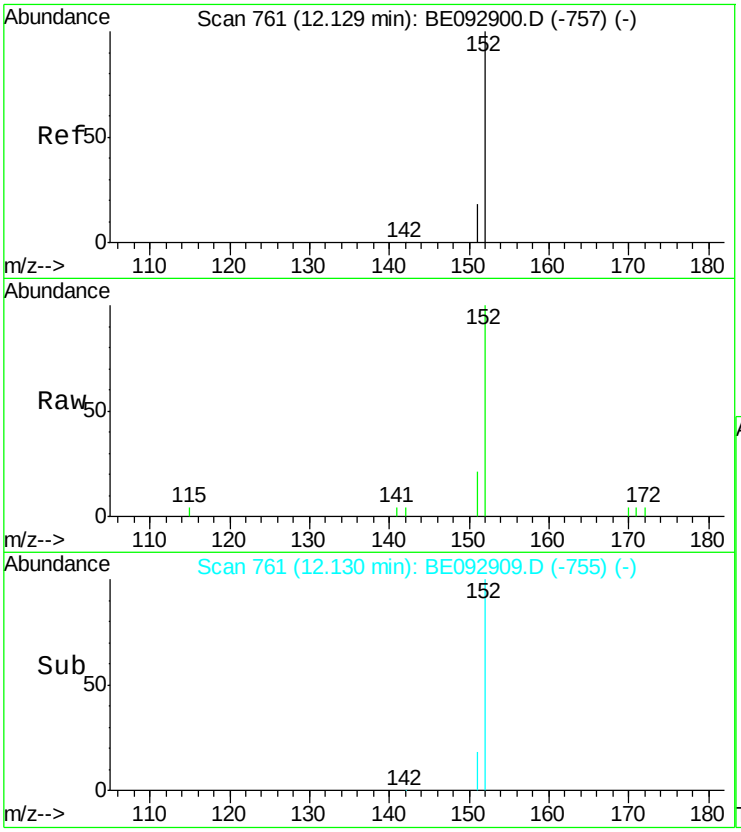


#10
Hexachlorobutadiene
Concen: 0.33 ng
RT: 10.89 min Scan# 697
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:225 Resp: 417

Ion	Ratio	Lower	Upper
225	100		
223	65.5	55.4	83.2
227	64.7	52.2	78.4



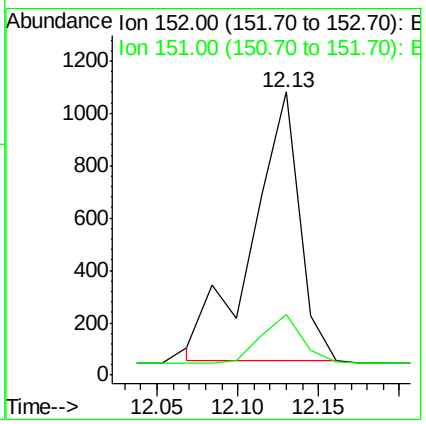


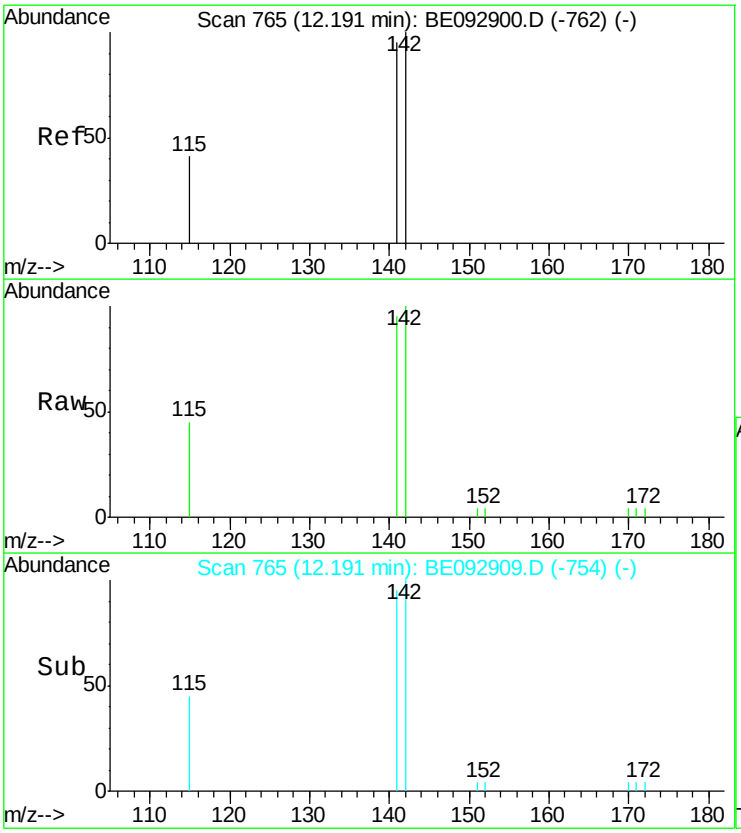
#11
2-Methylnaphthalene-d10
Concen: 0.42 ng
RT: 12.13 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 2116

Ion	Ratio	Lower	Upper
152	100		
151	15.9	15.7	23.5

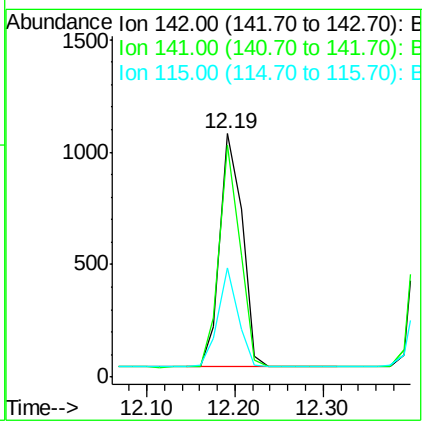


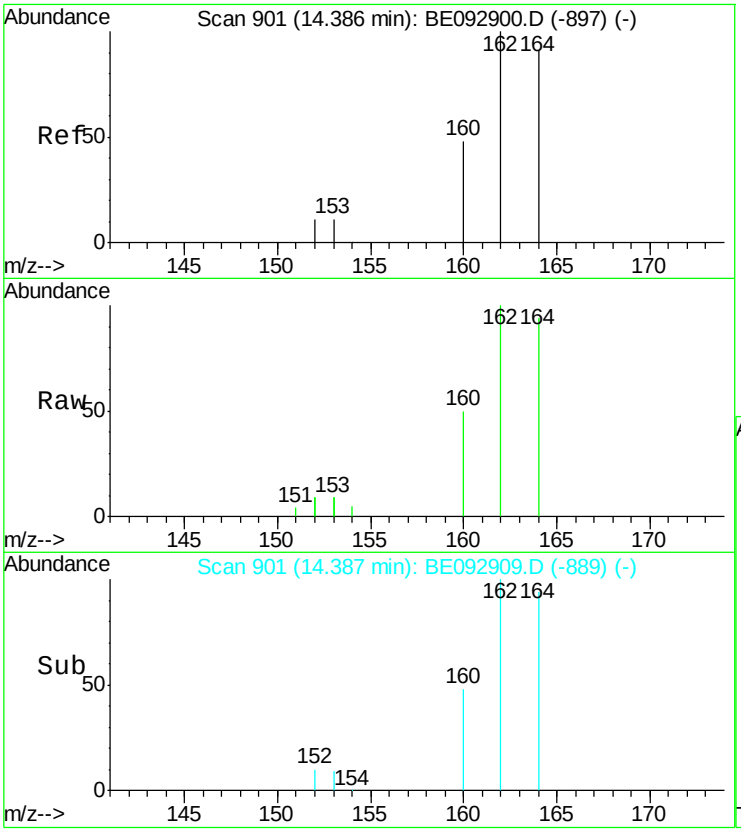


#12
2-Methylnaphthalene
Concen: 0.33 ng
RT: 12.19 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:142 Resp: 1832

Ion	Ratio	Lower	Upper
142	100		
141	95.4	76.0	114.0
115	44.7	41.6	62.4



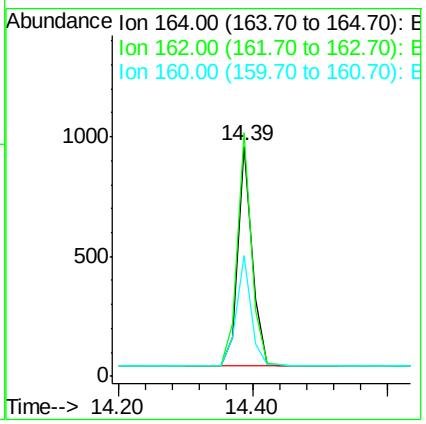


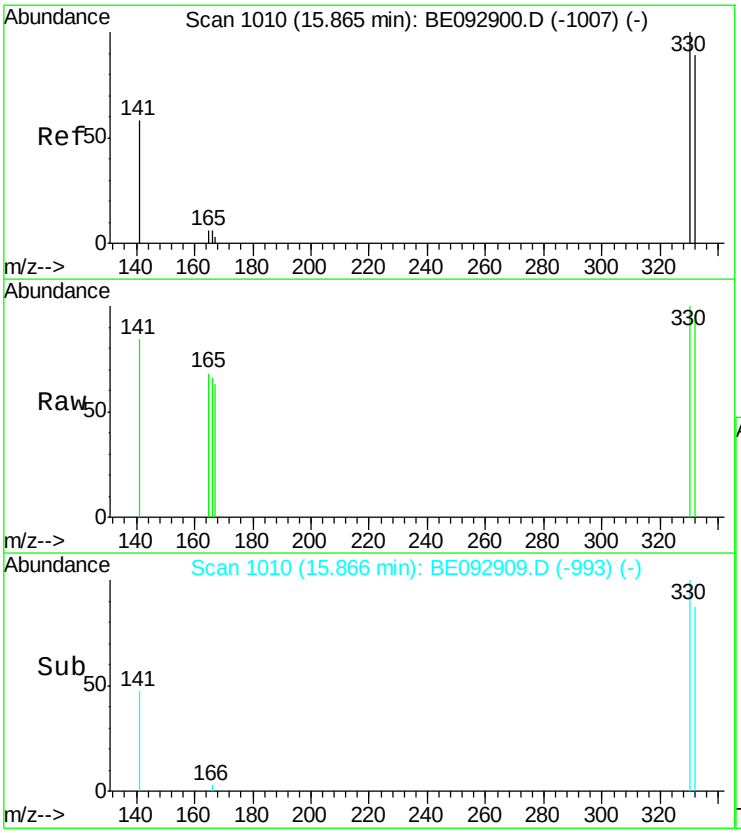
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1352

Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.6	130.0
160	52.8	44.5	66.7

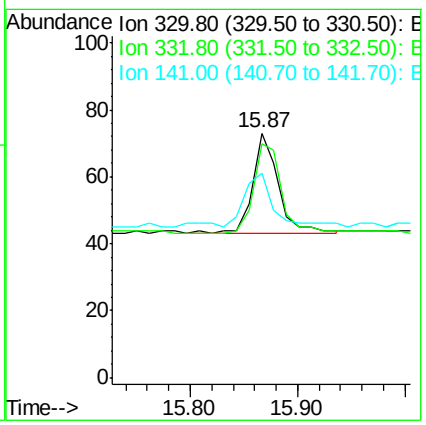


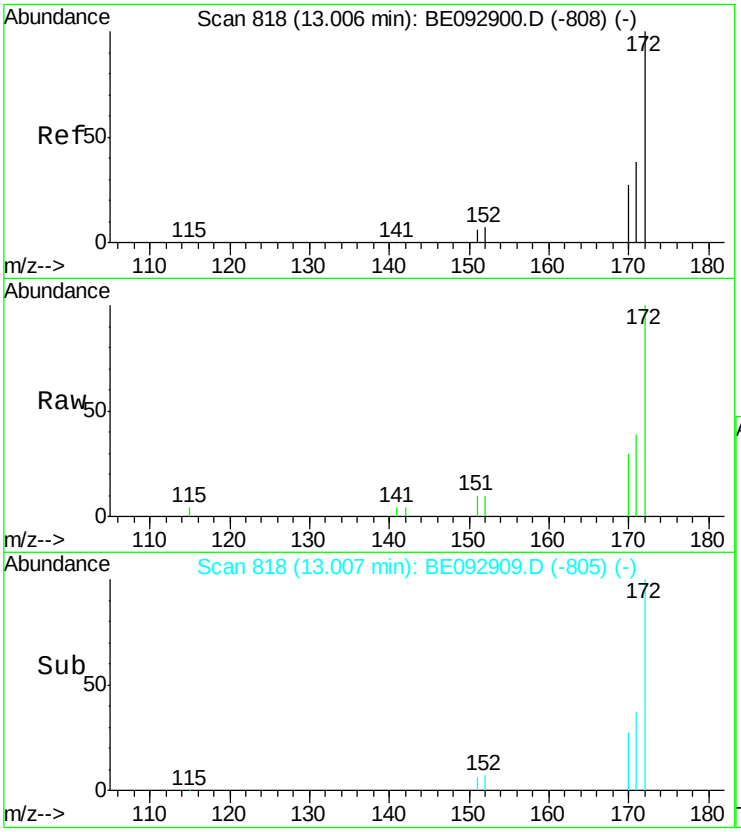


#14
2,4,6-Tribromophenol
Concen: 0.23 ng
RT: 15.87 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:330 Resp: 51

Ion	Ratio	Lower	Upper
330	100		
332	98.0	69.1	103.7
141	62.7	54.6	81.8



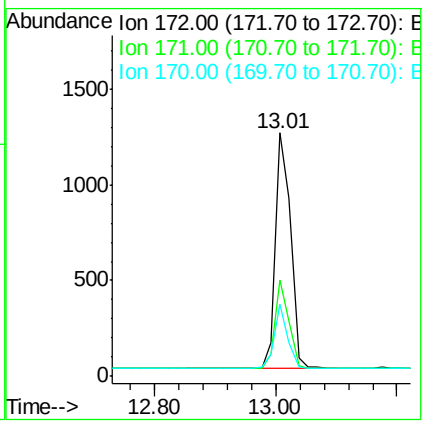


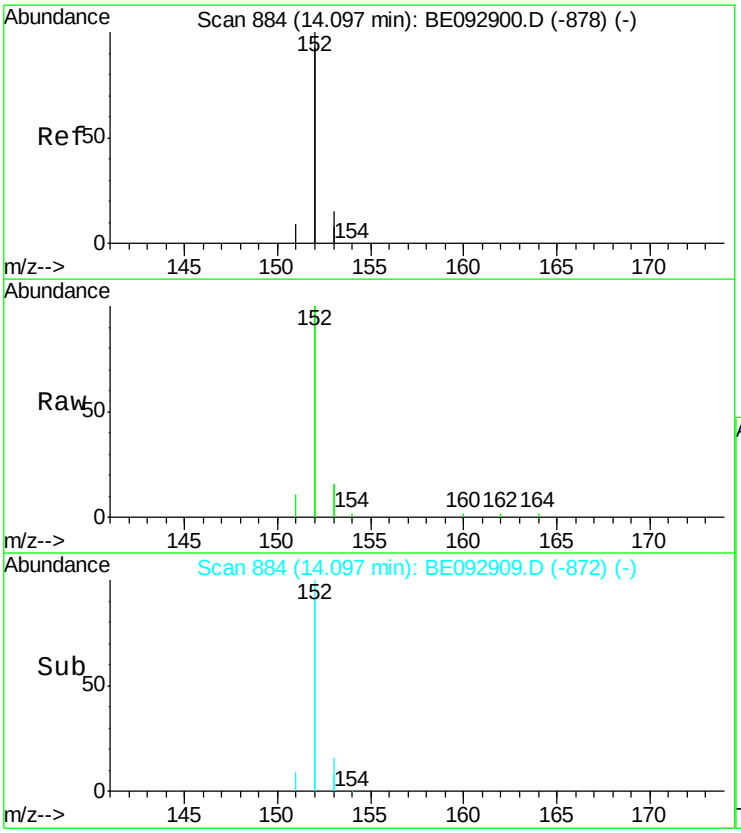
#15
2-Fluorobiphenyl
Concen: 0.34 ng
RT: 13.01 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2128

Ion	Ratio	Lower	Upper
172	100		
171	39.5	35.8	53.6
170	29.8	28.5	42.7

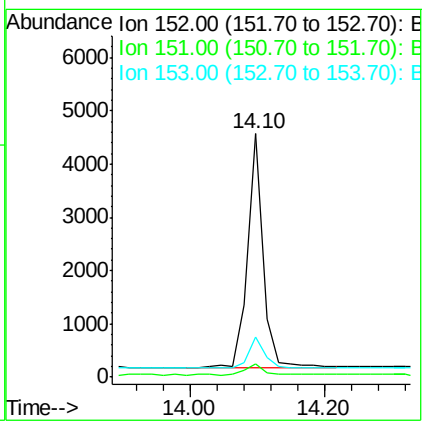


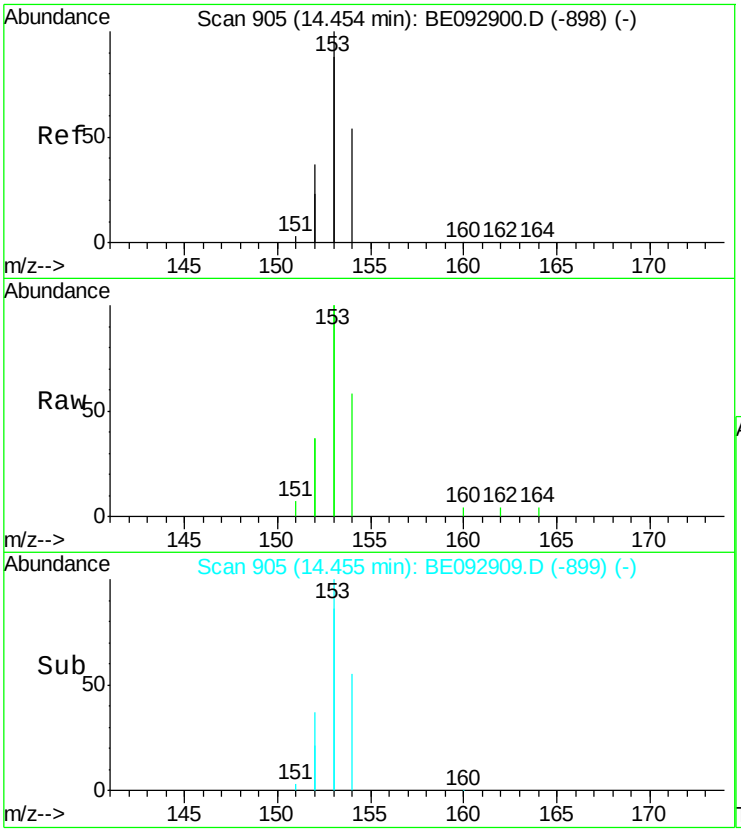


#16
Acenaphthylene
Concen: 0.32 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:152 Resp: 7015

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.8	5.8
153	12.9	10.0	15.0



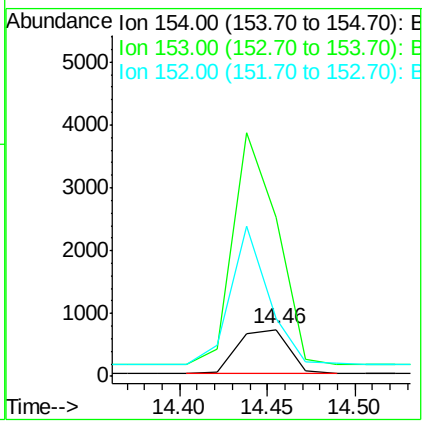


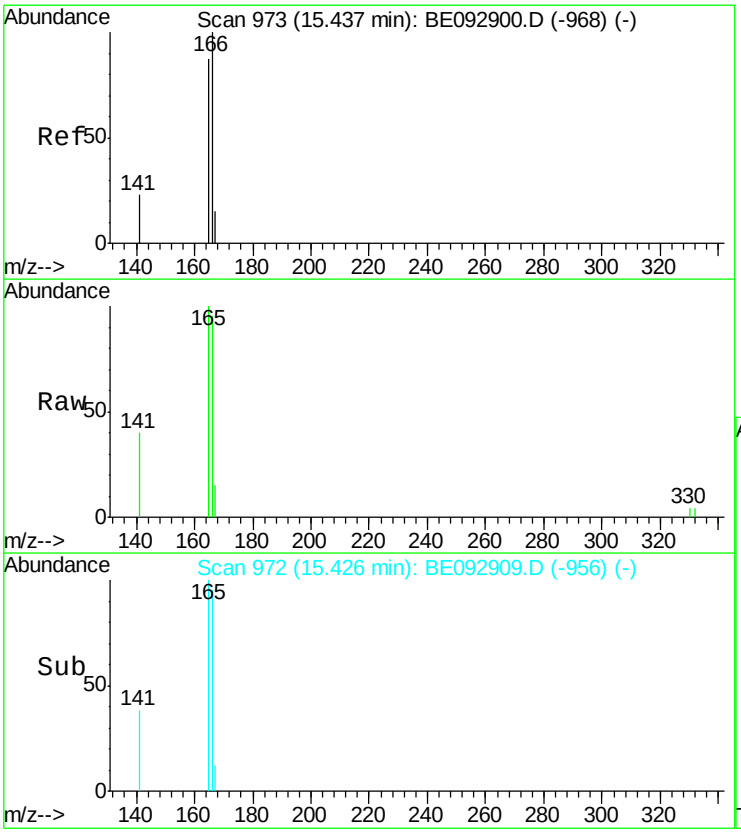
#17
Acenaphthene
Concen: 0.34 ng
RT: 14.46 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1439

Ion	Ratio	Lower	Upper
154	100		
153	453.5	355.6	533.4
152	233.5	177.8	266.8

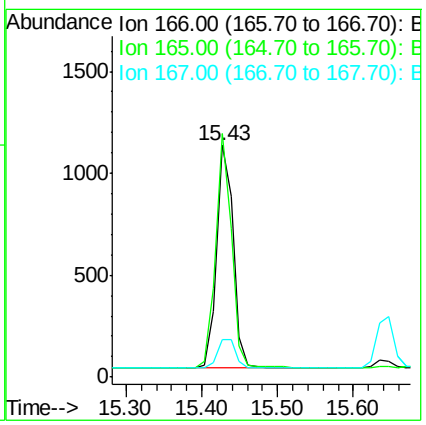


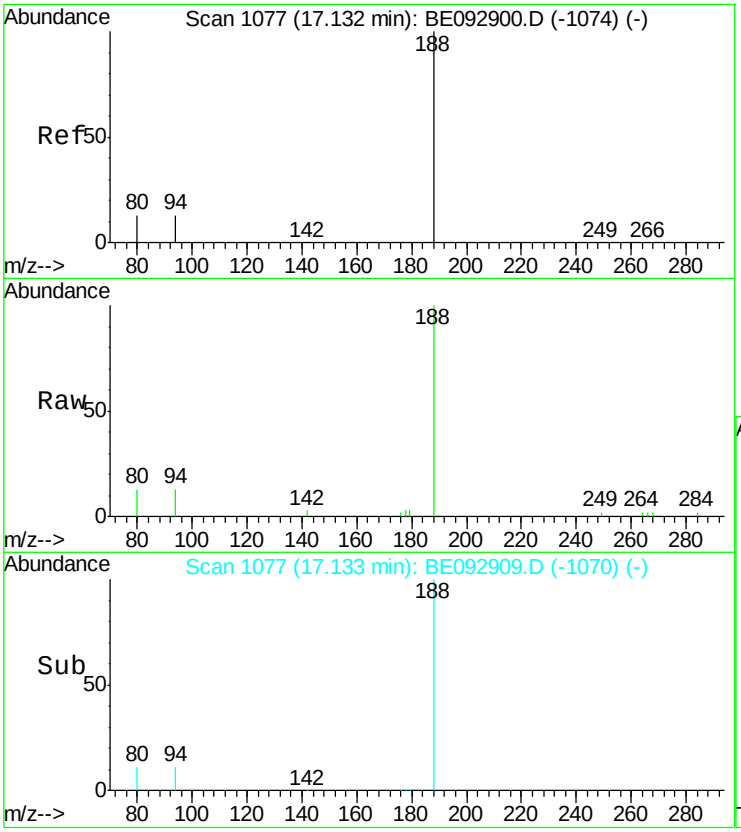


#18
Fluorene
Concen: 0.32 ng
RT: 15.43 min Scan# 972
Delta R.T. -0.01 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:166 Resp: 1690

Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.7	121.1
167	14.4	11.3	16.9



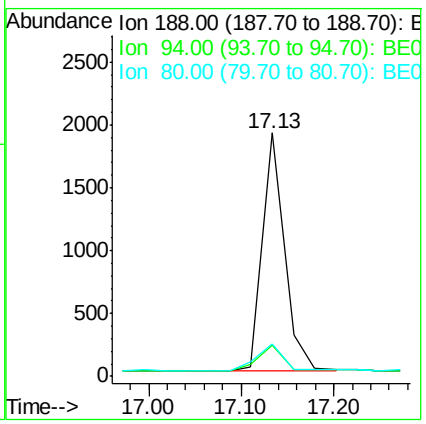


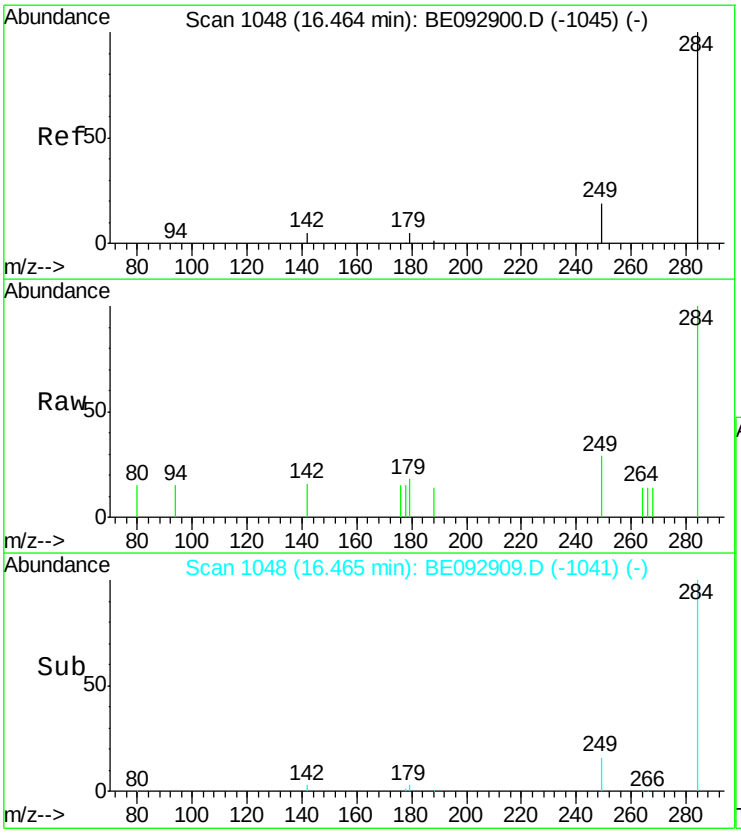
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1077
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 3088

Ion	Ratio	Lower	Upper
188	100		
94	12.8	10.2	15.4
80	13.1	10.6	15.8

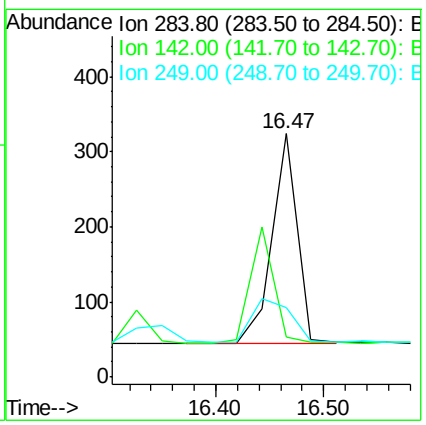


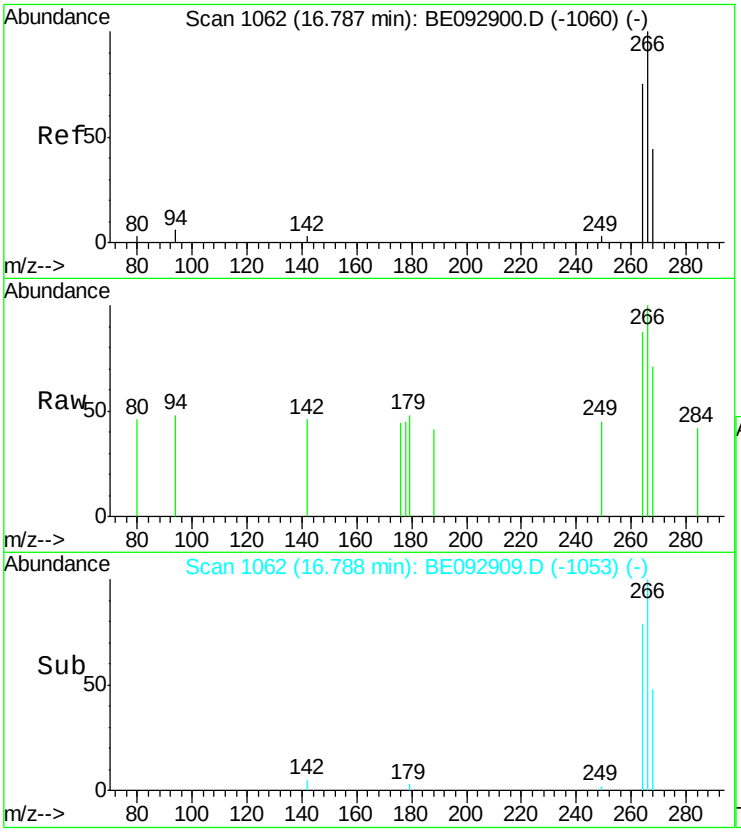


#20
Hexachlorobenzene
Concen: 0.33 ng
RT: 16.47 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:284 Resp: 457

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0



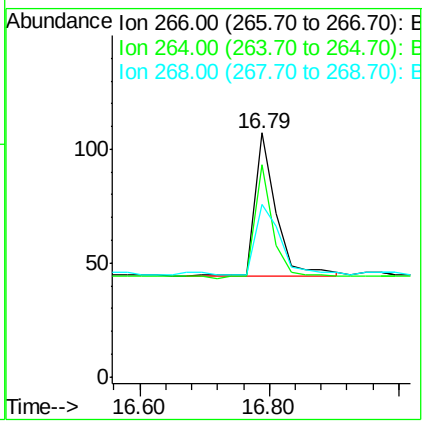


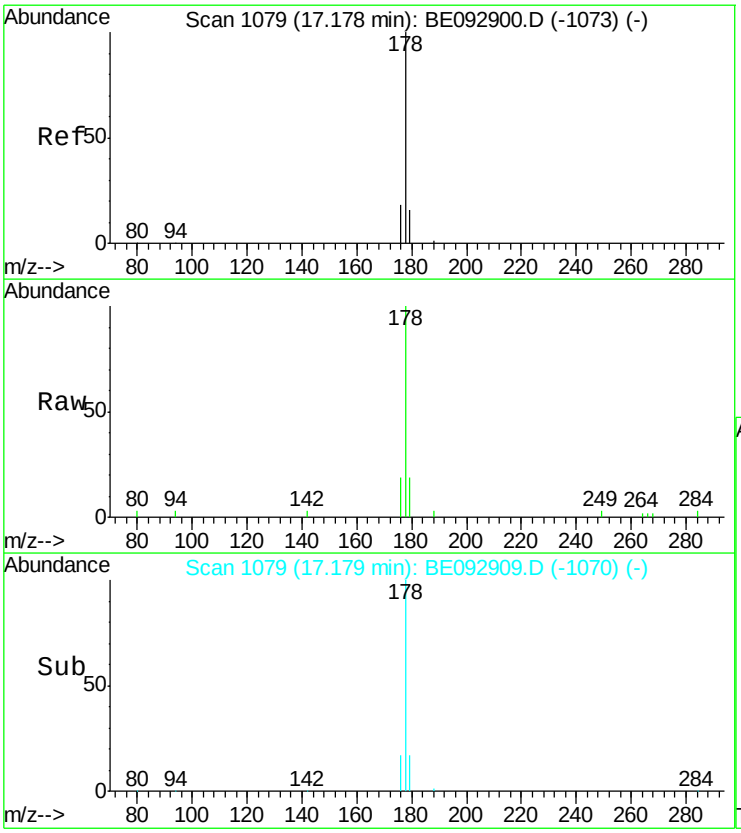
#21
Pentachlorophenol
Concen: 0.61 ng
RT: 16.79 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:266 Resp: 149

Ion	Ratio	Lower	Upper
266	100		
264	86.9	75.4	113.2
268	71.0	75.4	113.2#

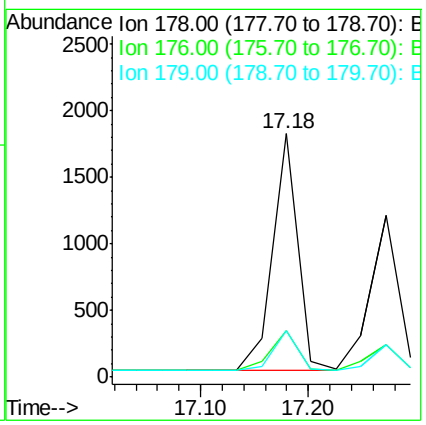


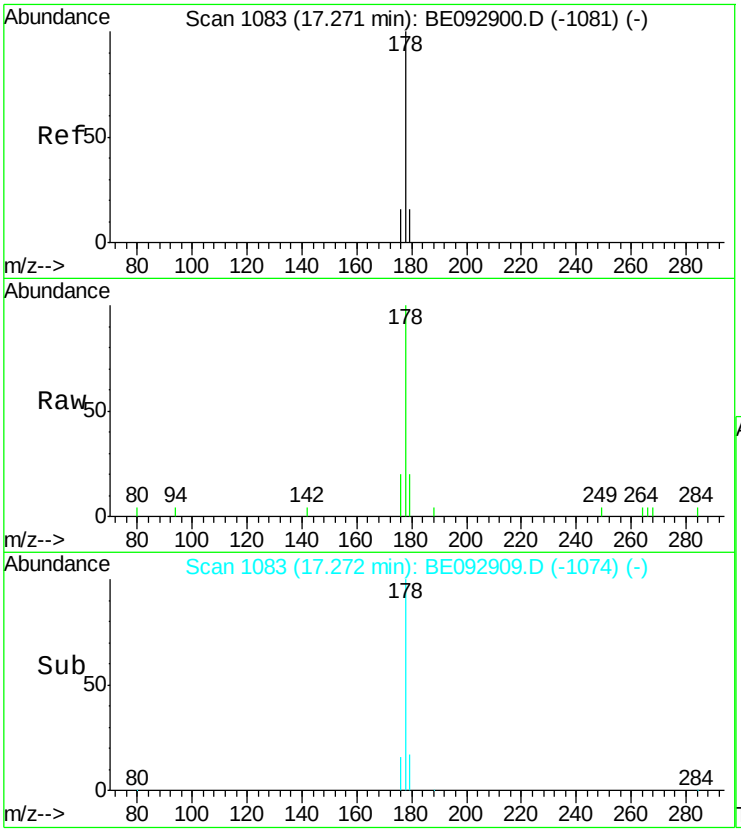


#22
Phenanthrene
Concen: 0.32 ng
RT: 17.18 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:178 Resp: 2906

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.2	21.4
179	16.4	13.6	20.4



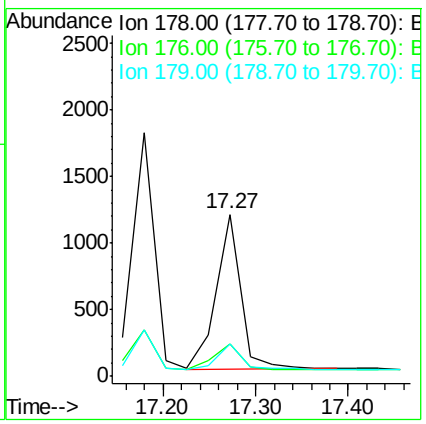


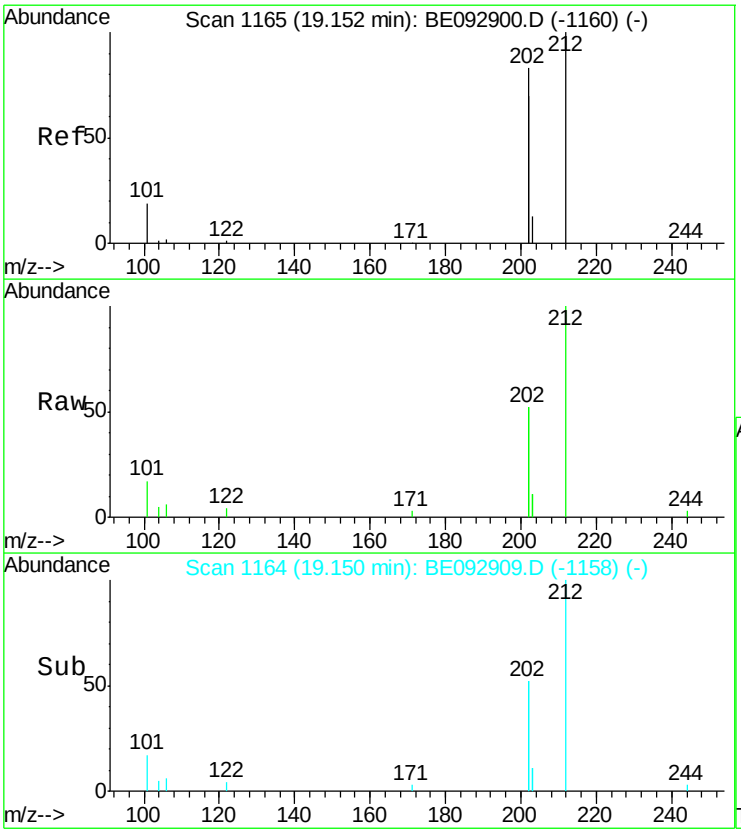
#23
Anthracene
Concen: 0.32 ng
RT: 17.27 min Scan# 1083
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 2158

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.5	12.8	19.2

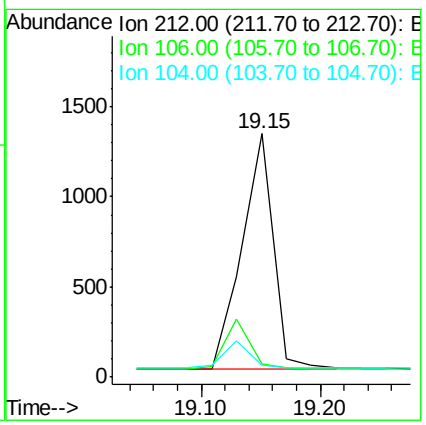


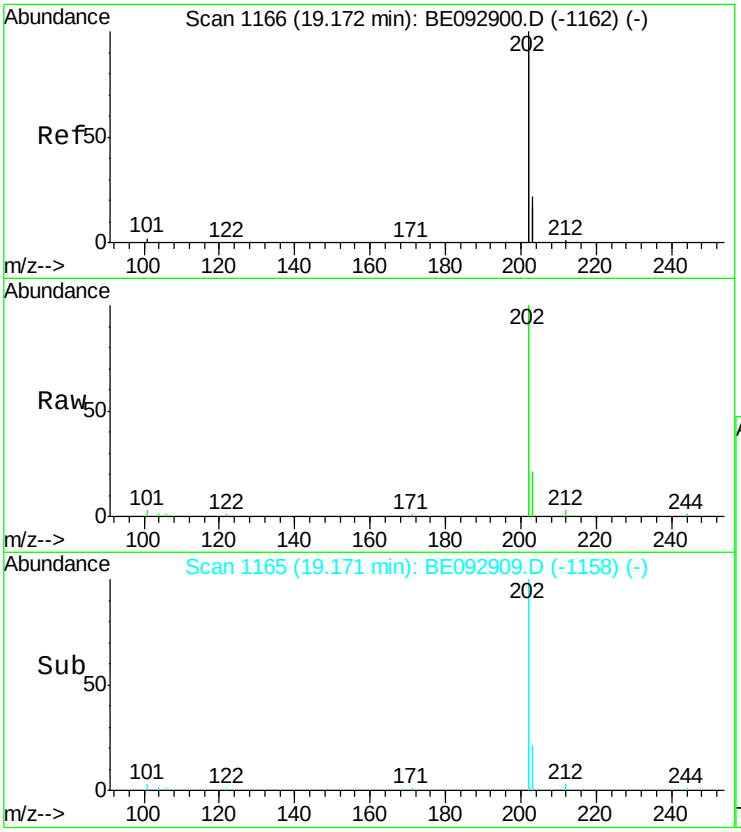


#24
Fluoranthene-d10
Concen: 0.32 ng
RT: 19.15 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:212 Resp: 2382

Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	0.0
104	0.0	0.0	0.0



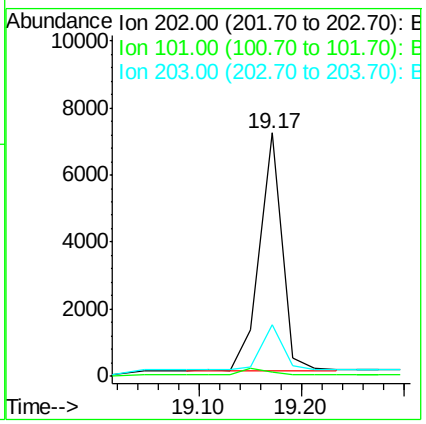


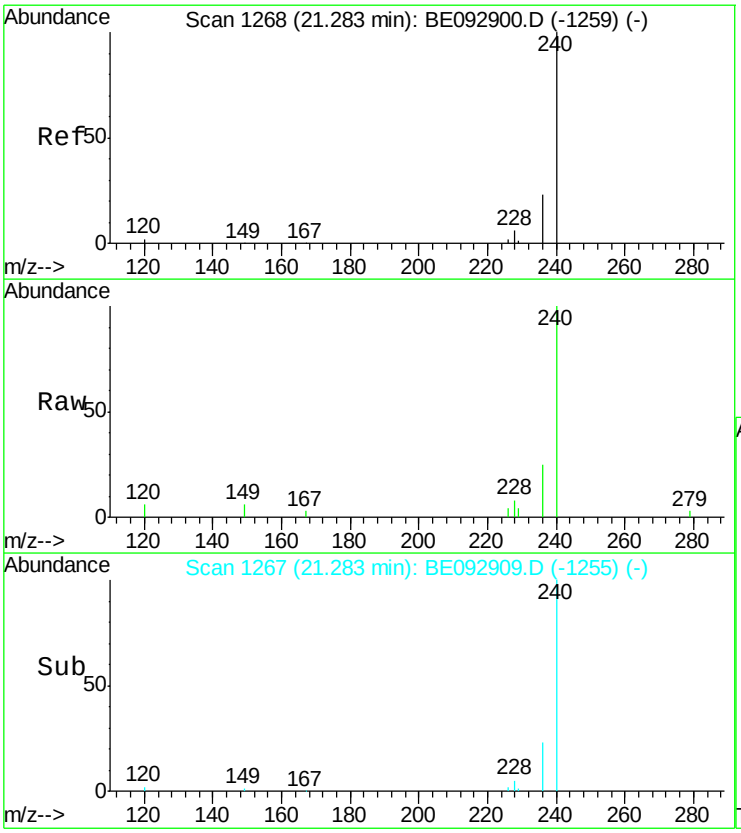
#25
Fluoranthene
Concen: 0.29 ng
RT: 19.17 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 11019

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	18.2	15.3	22.9

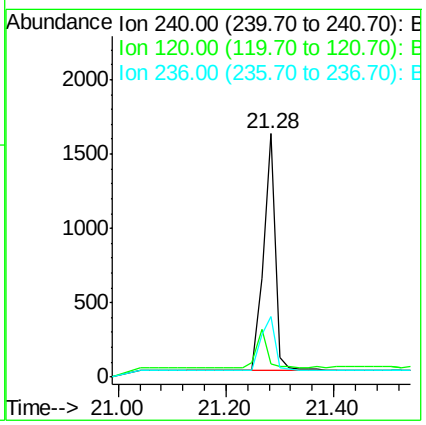


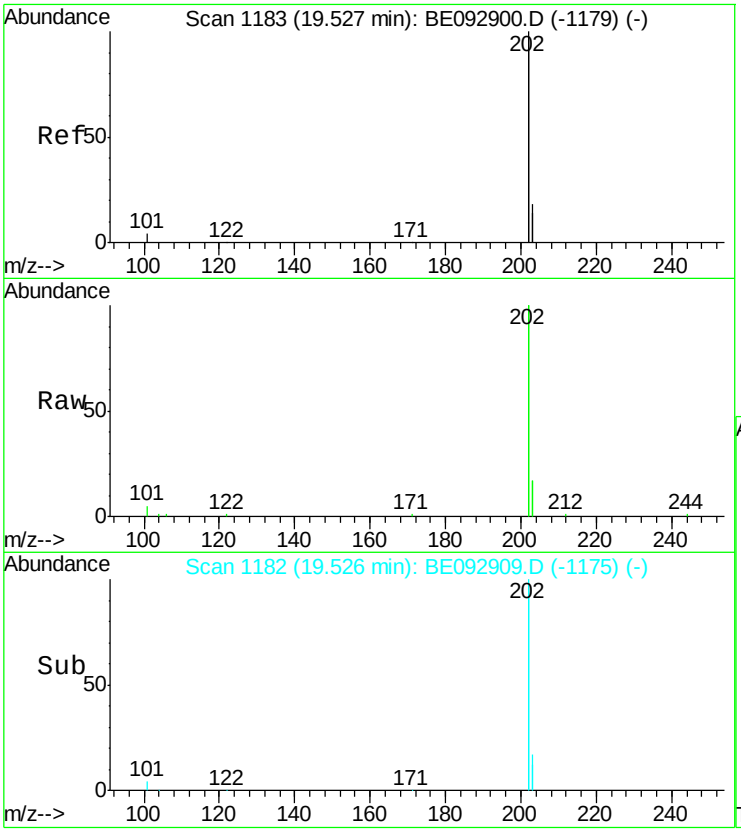


#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:240 Resp: 2470

Ion	Ratio	Lower	Upper
240	100		
120	5.7	4.6	6.8
236	24.9	19.8	29.8



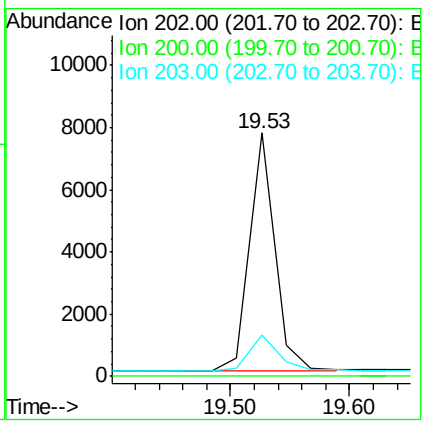


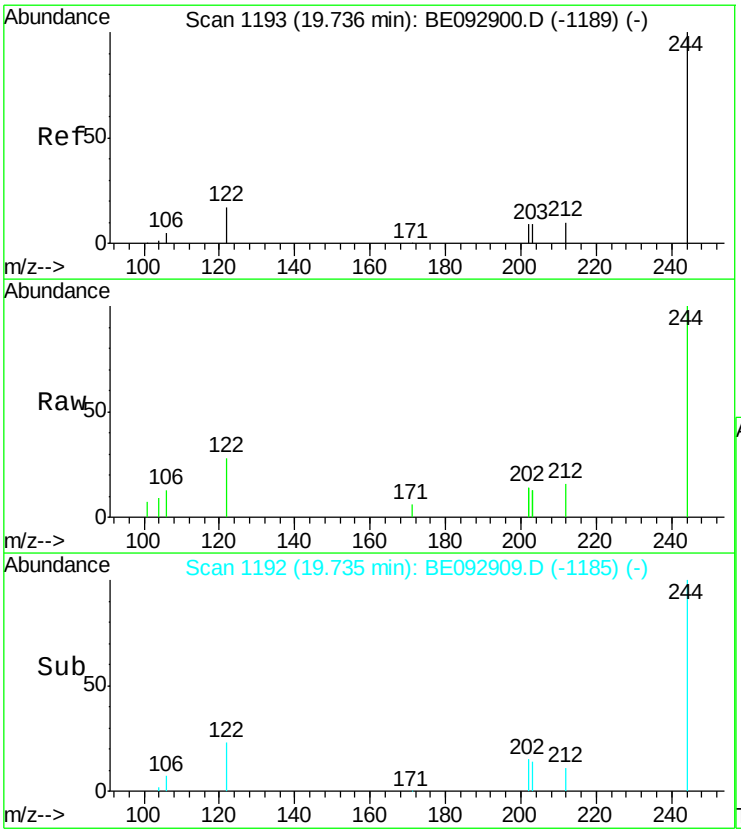
#27
Pyrene
Concen: 0.35 ng
RT: 19.53 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:202 Resp: 11285

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	17.1	13.5	20.3

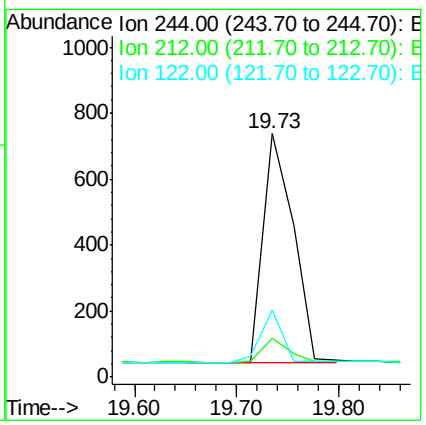


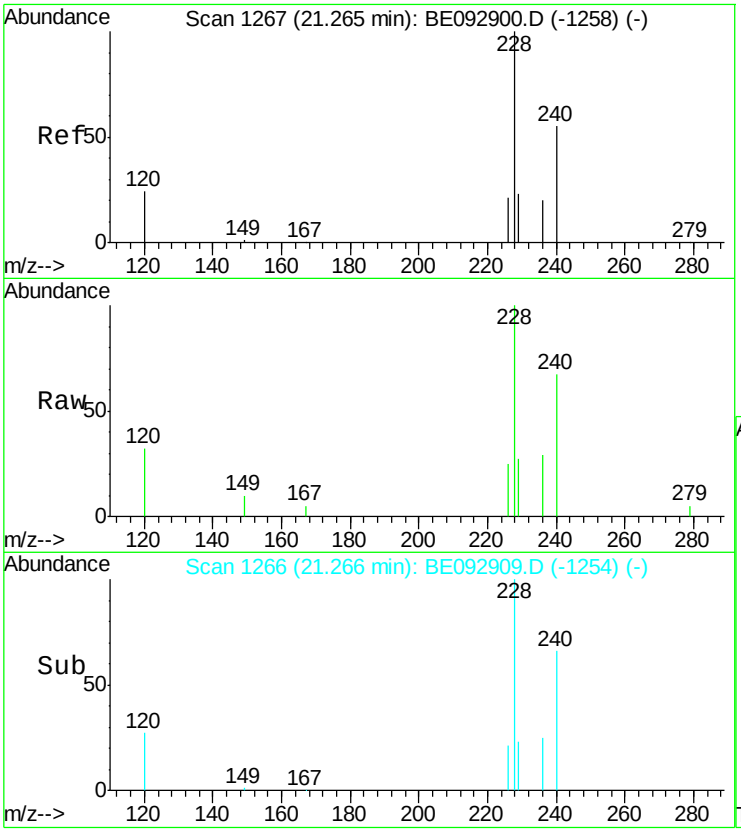


#28
Terphenyl-d14
Concen: 0.33 ng
RT: 19.73 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:244 Resp: 1412

Ion	Ratio	Lower	Upper
244	100		
212	16.1	18.4	27.6#
122	27.5	23.3	34.9



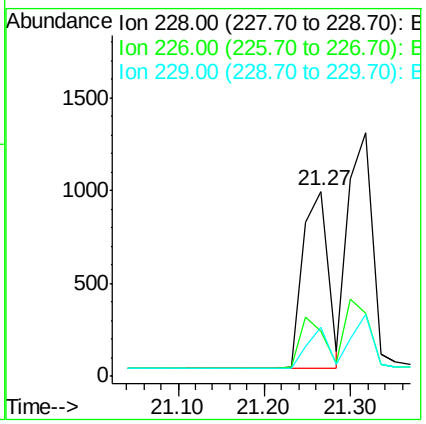


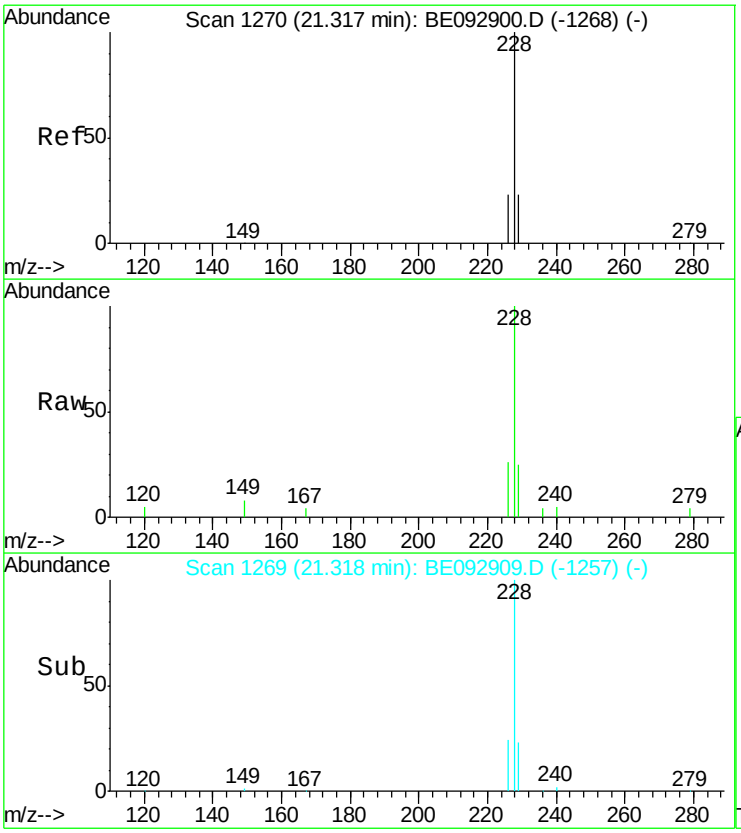
#29
Benzo(a)anthracene
Concen: 0.33 ng
RT: 21.27 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 1903

Ion	Ratio	Lower	Upper
228	100		
226	24.7	32.0	48.0#
229	26.8	21.4	32.0

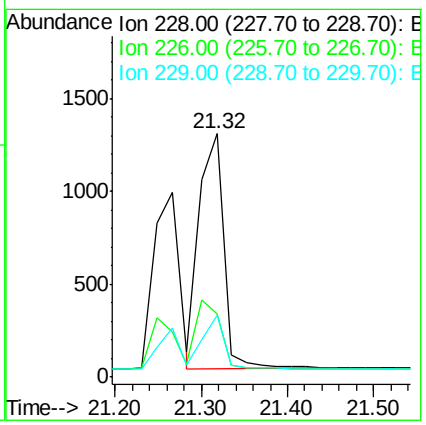


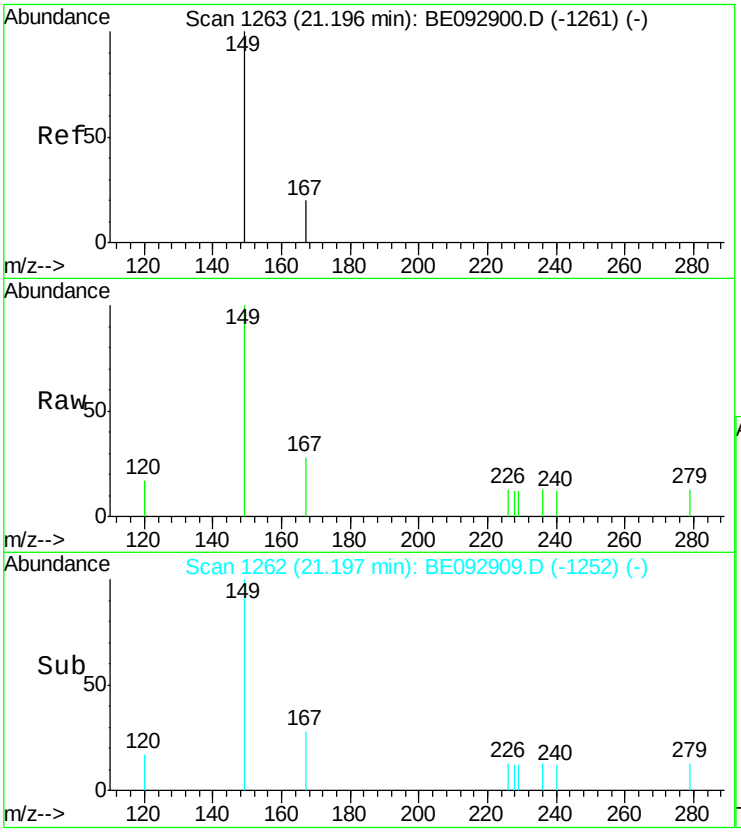


#30
Chrysene
Concen: 0.34 ng
RT: 21.32 min Scan# 1269
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:228 Resp: 2506

Ion	Ratio	Lower	Upper
228	100		
226	26.2	34.2	51.2#
229	25.3	18.6	28.0



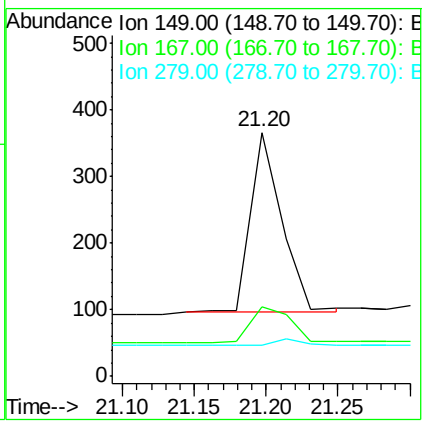


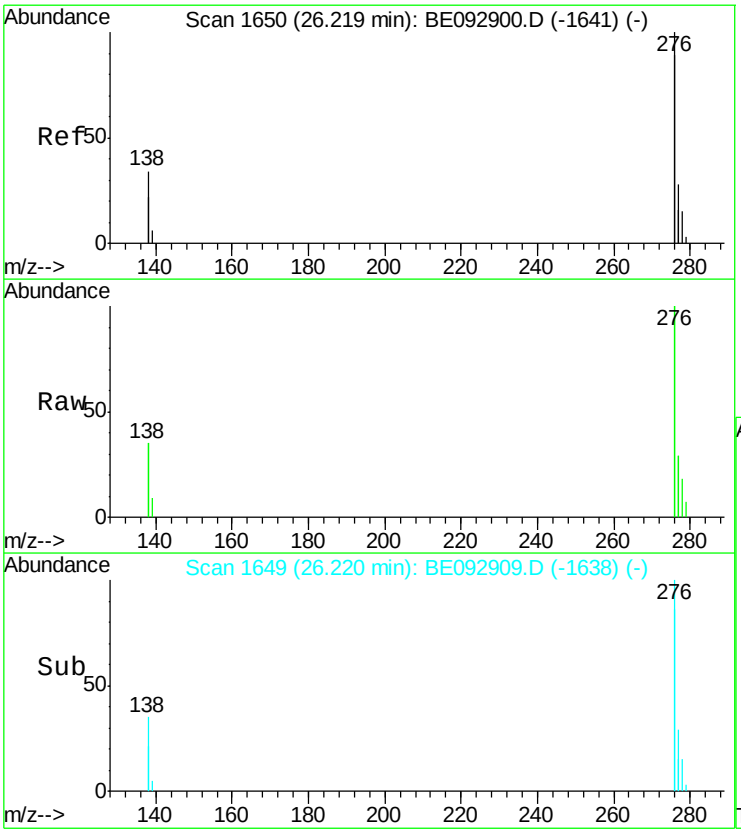
#31
Bis(2-ethylhexyl)phthalate
Concen: 0.28 ng
RT: 21.20 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:149 Resp: 410

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.9	31.3
279	0.0	0.0	0.0

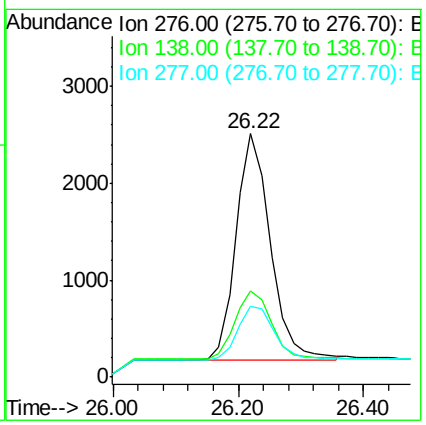


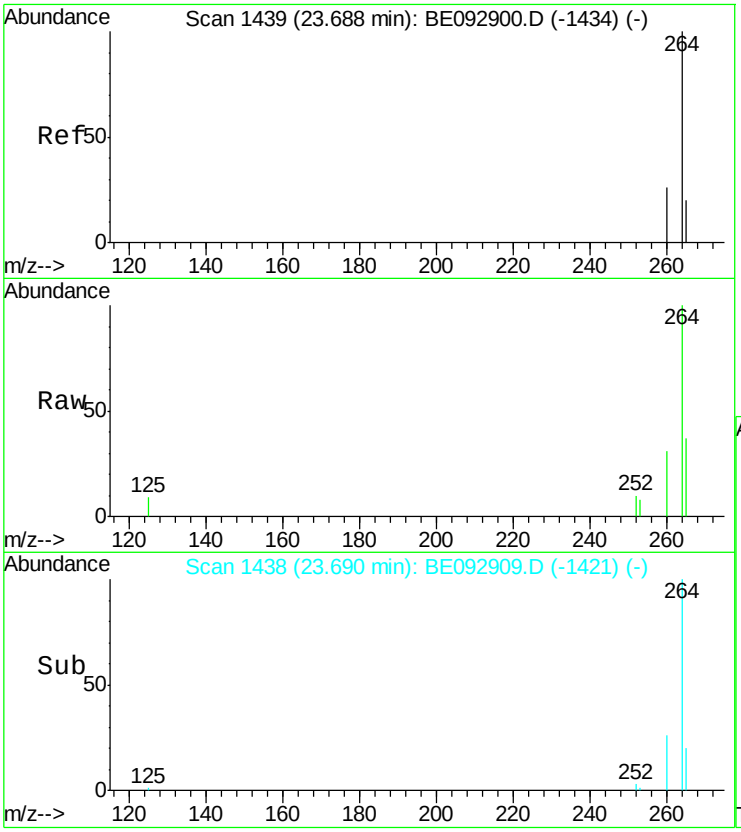


#32
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.22 min Scan# 1649
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:276 Resp: 8921

Ion	Ratio	Lower	Upper
276	100		
138	32.1	25.8	38.6
277	25.0	20.2	30.4



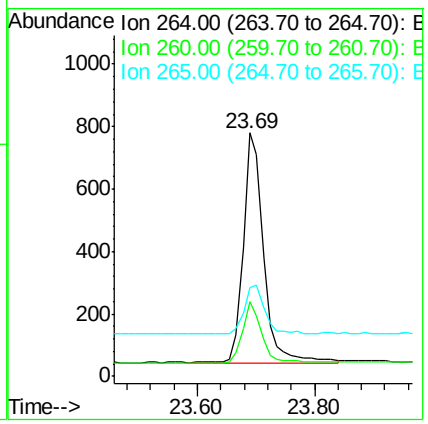


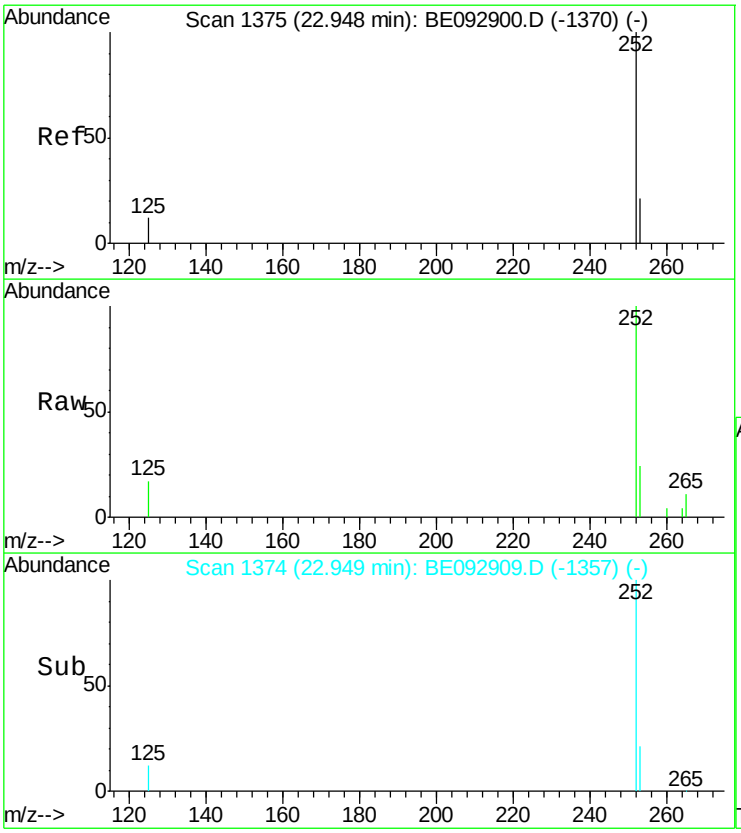
#33
Perylene-d12
Concen: 0.40 ng
RT: 23.69 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:264 Resp: 1755

Ion	Ratio	Lower	Upper
264	100		
260	30.5	23.5	35.3
265	36.7	27.2	40.8

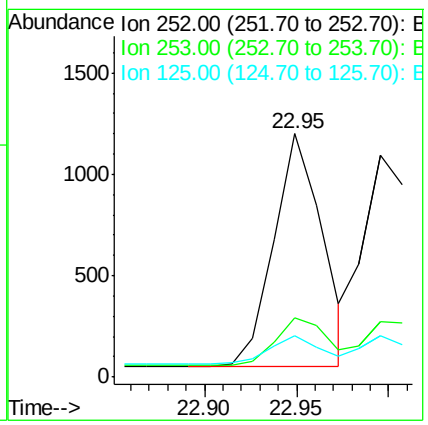


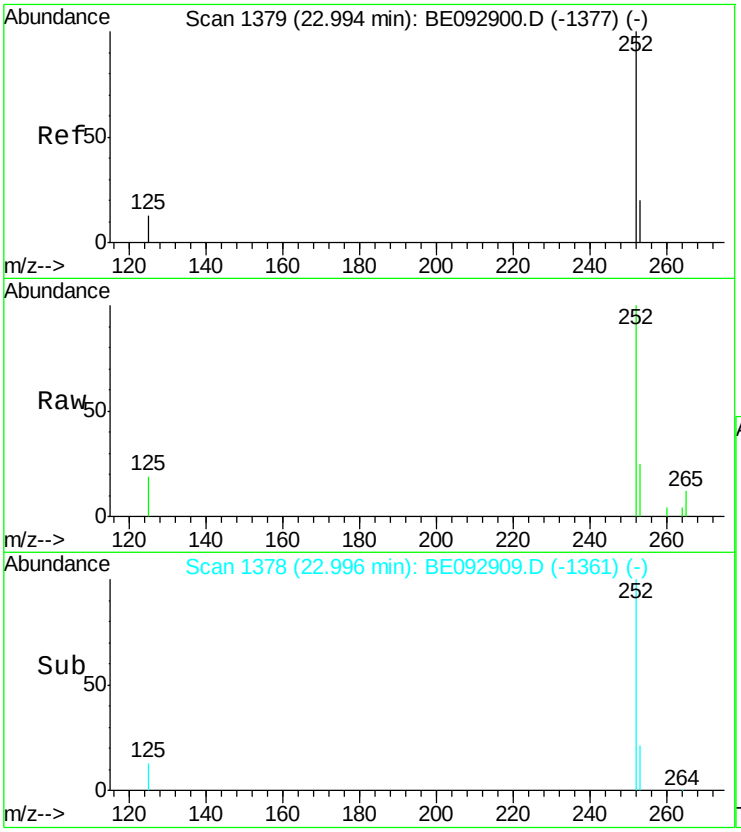


#34
Benzo(b)fluoranthene
Concen: 0.34 ng
RT: 22.95 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:252 Resp: 2097

Ion	Ratio	Lower	Upper
252	100		
253	24.5	24.7	37.1#
125	17.1	20.3	30.5#



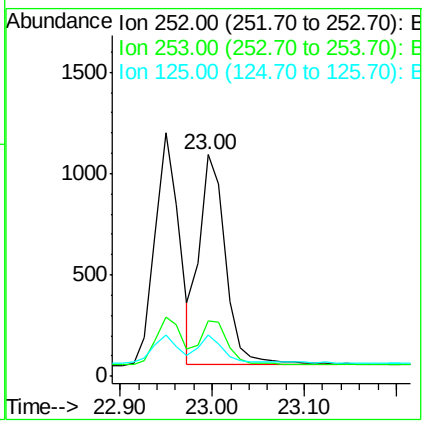


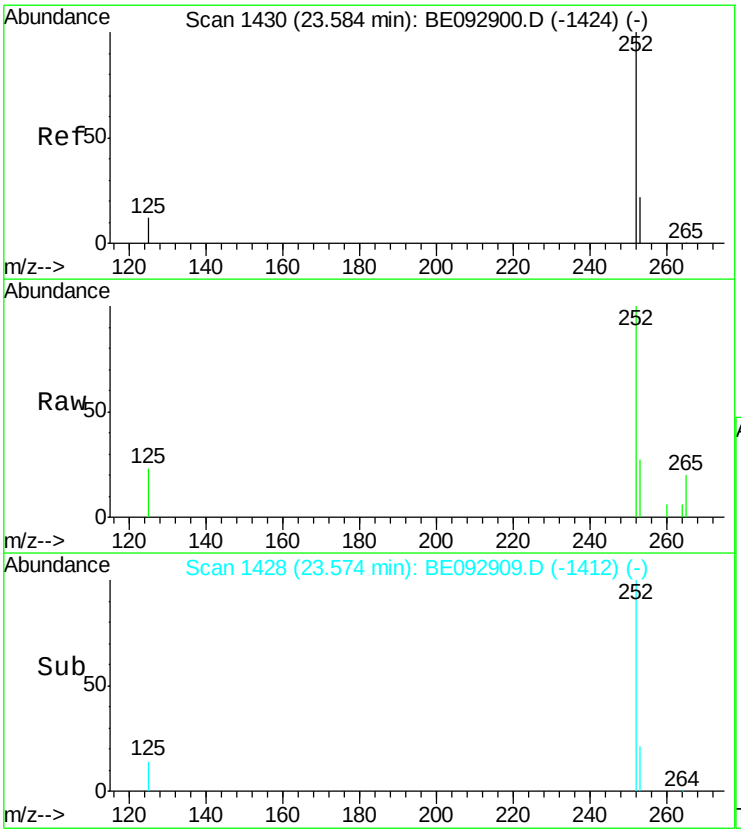
#35
Benzo(k)fluoranthene
Concen: 0.33 ng
RT: 23.00 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 2037

Ion	Ratio	Lower	Upper
252	100		
253	24.8	25.8	38.8#
125	18.6	22.9	34.3#

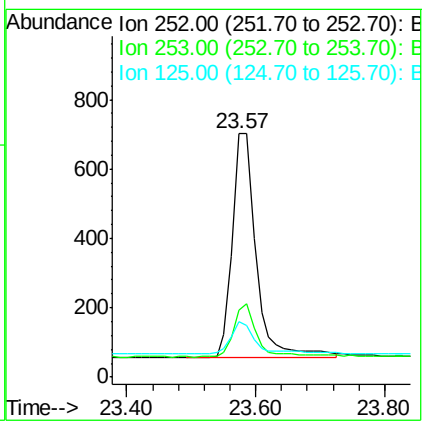


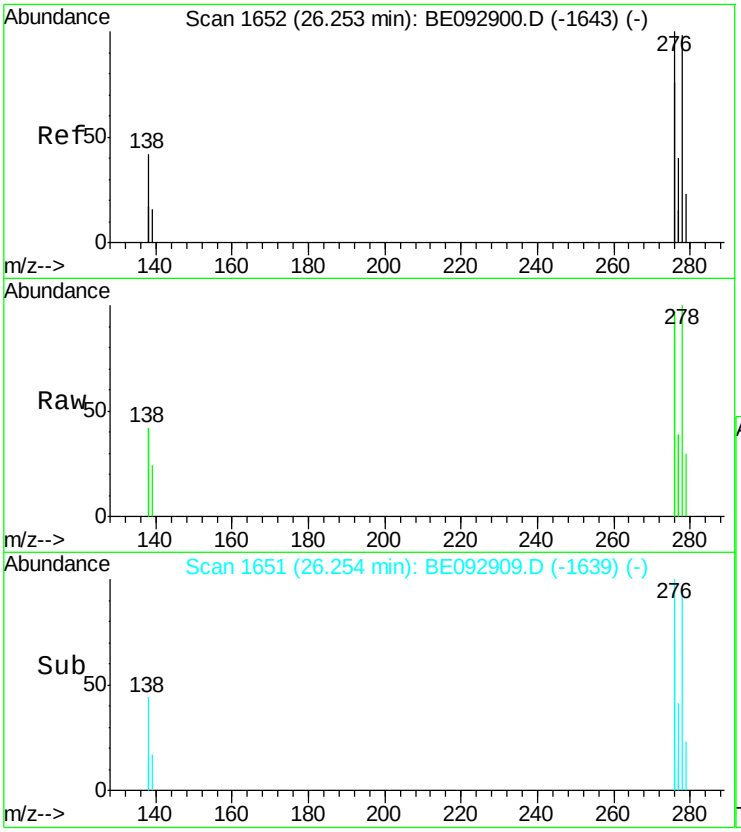


#36
Benzo(a)pyrene
Concen: 0.33 ng
RT: 23.57 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:252 Resp: 1656

Ion	Ratio	Lower	Upper
252	100		
253	27.4	31.3	46.9#
125	22.8	26.4	39.6#



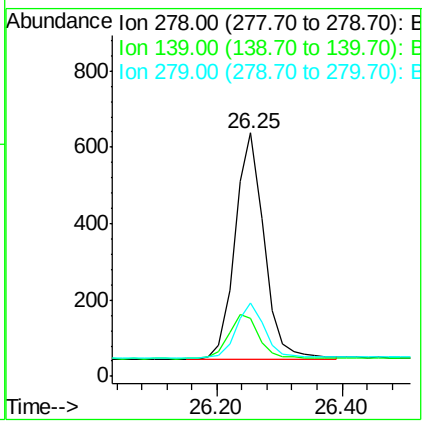


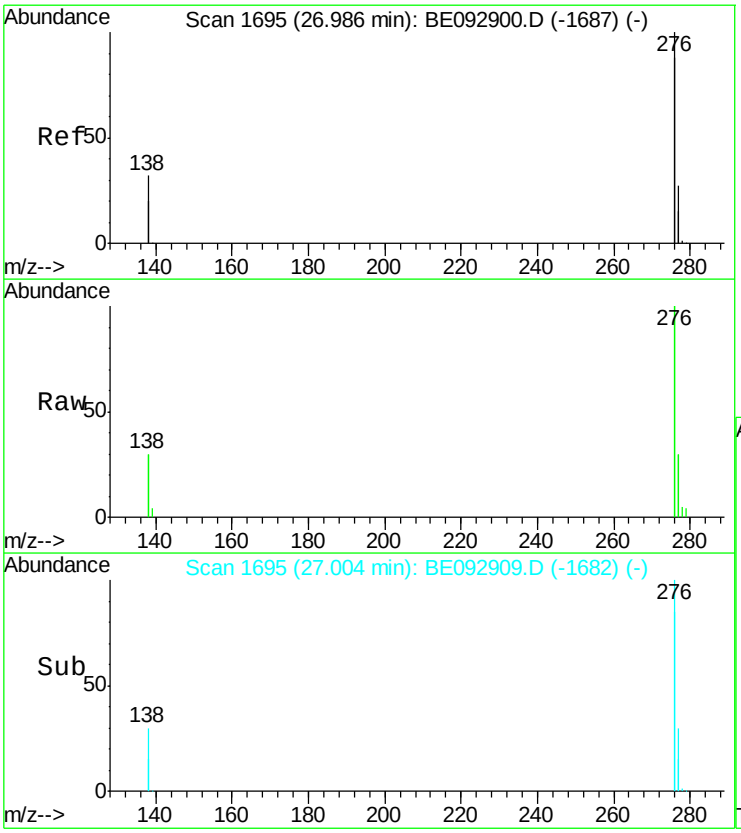
#37
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 26.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:278 Resp: 1935

Ion	Ratio	Lower	Upper
278	100		
139	23.7	27.4	41.2#
279	29.9	33.3	49.9#





#38
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 27.00 min Scan# 1695
Delta R.T. 0.02 min
Lab File: BE092909.D
Acq: 21 Apr 2017 15:19

Tgt Ion:276 Resp: 8443

Ion	Ratio	Lower	Upper
276	100		
277	29.7	29.9	44.9#
138	29.9	34.6	51.8#