Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
Data File : BE091883.D
Acq On : 7 Jun 2016 14:57
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC010

Quant Time: Jun 07 18:29:35 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 12:56:44 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	22468	5.00	ng		0.00
8) Naphthalene-d8	10.55	136	106736	5.00	ng		0.00
15) Acenaphthene-d10	14.38	164	65352	5.00	ng		0.00
24) Phenanthrene-d10	17.12	188	166179	5.00	ng		0.00
31) Chrysene-d12	21.30	240	218246	5.00	ng		0.00
40) Perylene-d12	23.73	264	210081	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	55018	8.57	ng		-0.02
5) Phenol-d6	6.94	99	79116	9.39	ng		-0.02
9) Nitrobenzene-d5	0.00	82	0d	0.00	ng		
16) 2,4,6-Tribromophenol	15.87	330	27560	9.46	ng		-0.02
17) 2-Fluorobiphenyl	13.01	172	197644	10.17	ng		0.00
34) Terphenyl-d14	0.00	244	0d	0.00	ng		
Target Compounds							Qvalue
3) n-Nitrosodimethylamine	3.59	42	43980	10.67	ng		85
6) bis(2-Chloroethyl)ether	7.18	93	70280	9.97	ng		97
7) n-Nitroso-di-n-propylamine	8.54	70	60946	9.34	ng	#	92
11) bis(2-Chloroethoxy)methane	9.95	93	123740	12.24	ng	#	36
12) Naphthalene	10.59	128	233167	10.11	ng		97
13) Hexachlorobutadiene	10.88	225	34701	9.78	ng		100
14) 2-Methylnaphthalene	12.20	142	162883	10.58	ng		96
18) Acenaphthylene	14.11	152	308762	9.61	ng	#	90
20) Acenaphthene	14.44	154	184009	10.53	ng		97
22) Fluorene	15.42	166	230110	10.03	ng		99
23) 4-Chlorophenyl-phenylether	15.42	204	107044	9.28	ng		97
25) 4-Bromophenyl-phenylether	16.32	248	68214	11.49	ng		98
26) Hexachlorobenzene	16.44	284	66138	11.68	ng		98
27) Pentachlorophenol	16.78	266	37588	17.22	ng		92
28) Phenanthrene	17.17	178	409151	11.30	ng		99
29) Anthracene	17.26	178	409415	12.33	ng		100
30) Fluoranthene	19.19	202	462803	10.94	ng		99
33) Pyrene	19.53	202	507141	10.95	ng		98
35) Benzo(a)anthracene	21.27	228	2837072m	48.78	ng		
37) Chrysene	21.33	228	2251356m	42.19	ng		
41) Benzo(b)fluoranthene	22.99	252	554938	9.79	ng		97
42) Benzo(k)fluoranthene	23.04	252	549375	10.68	ng		96
43) Benzo(a)pyrene	23.62	252	525294	10.22	ng	#	95
44) Dibenzo(a,h)anthracene	26.31	278	505807	10.27	ng		95
45) Benzo(g,h,i)perylene	27.07	276	510123	10.21	ng		98

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

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Acq On : 7 Jun 2016 14:57
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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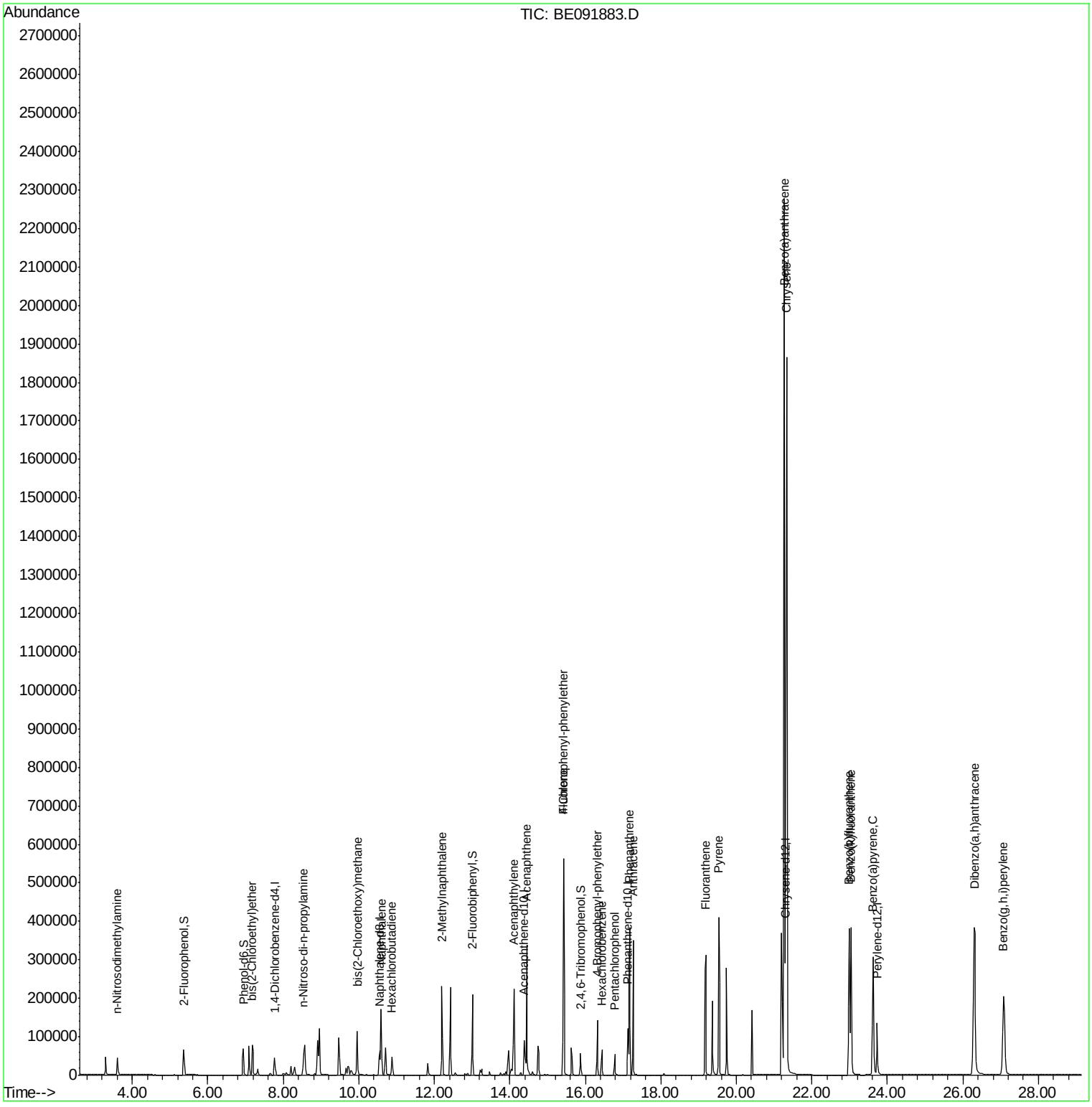
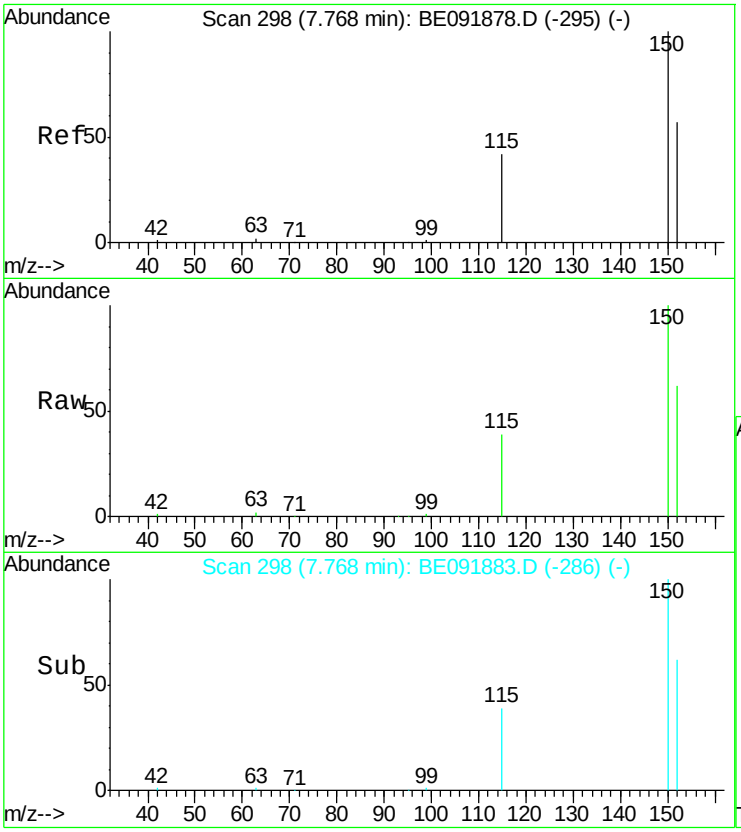


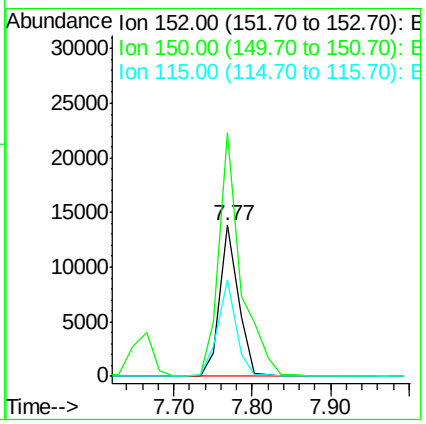


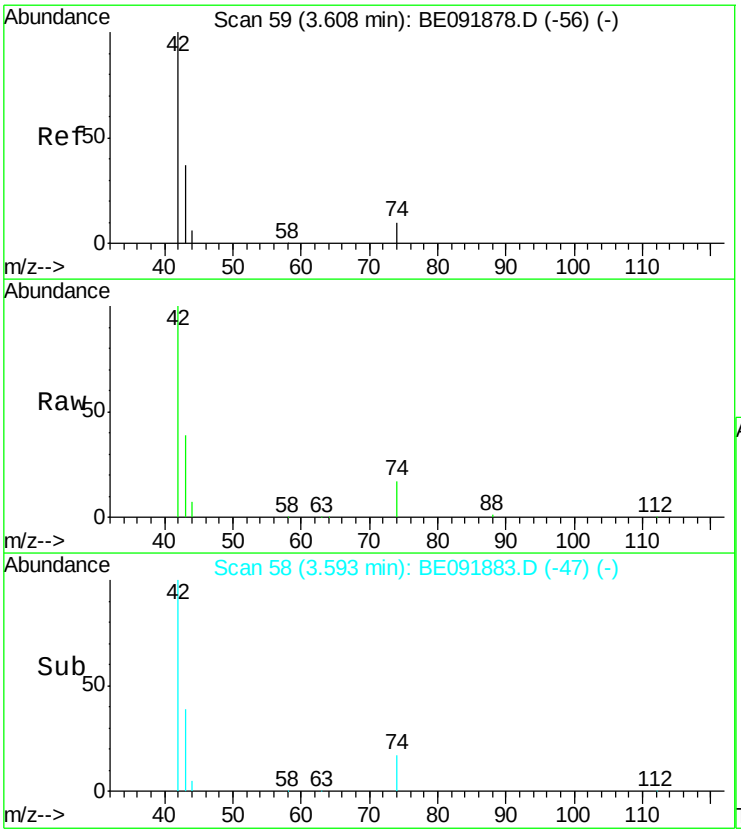
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. 0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 22468

Ion	Ratio	Lower	Upper
152	100		
150	161.4	123.9	185.9
115	63.7	48.3	72.5

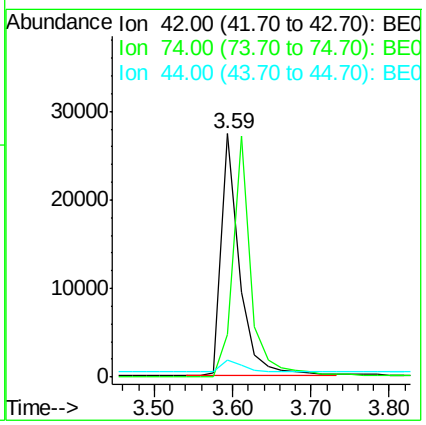


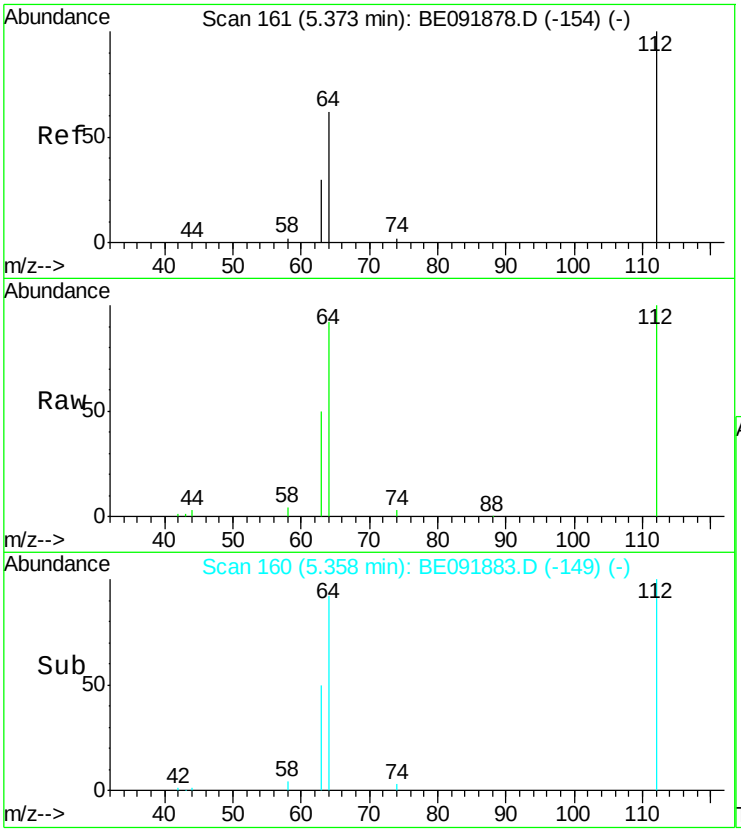


#3
n-Nitrosodimethylamine
Concen: 10.67 ng
RT: 3.59 min Scan# 58
Delta R.T. -0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion: 42 Resp: 43980

Ion	Ratio	Lower	Upper
42	100		
74	99.5	93.4	140.0
44	5.9	5.0	7.6



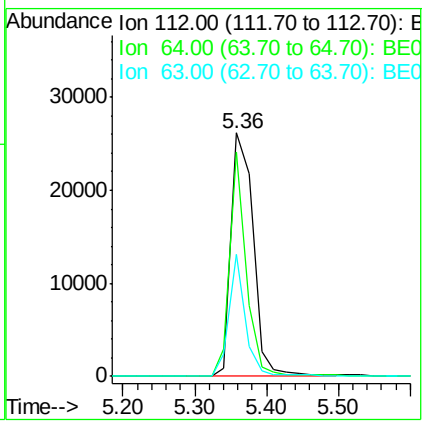


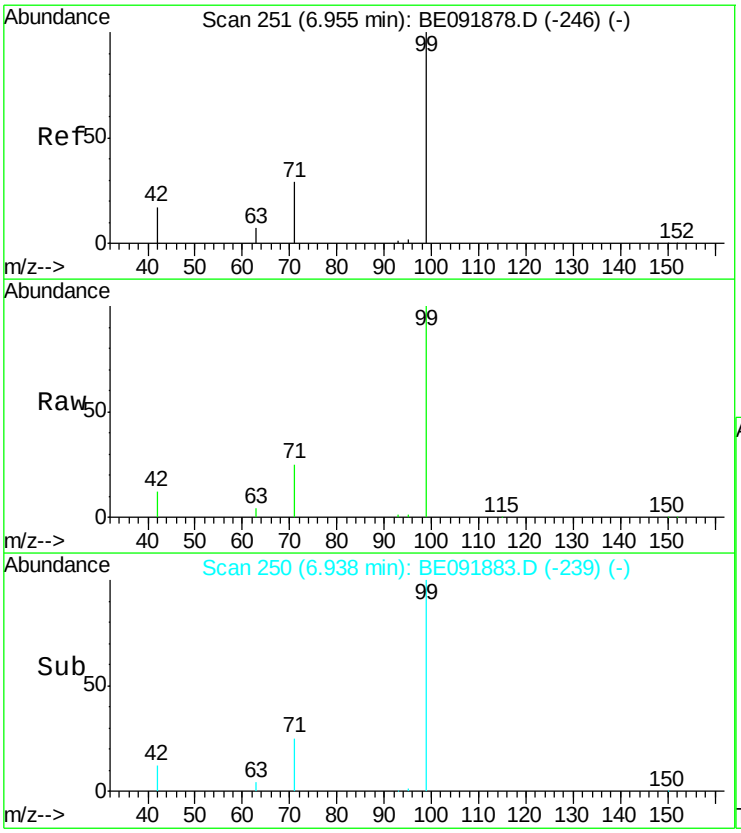
#4
2-Fluorophenol
Concen: 8.57 ng
RT: 5.36 min Scan# 160
Delta R.T. -0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 55018

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.7	80.5
63	36.9	29.5	44.3

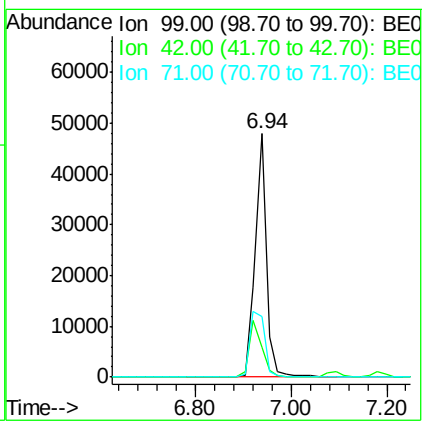


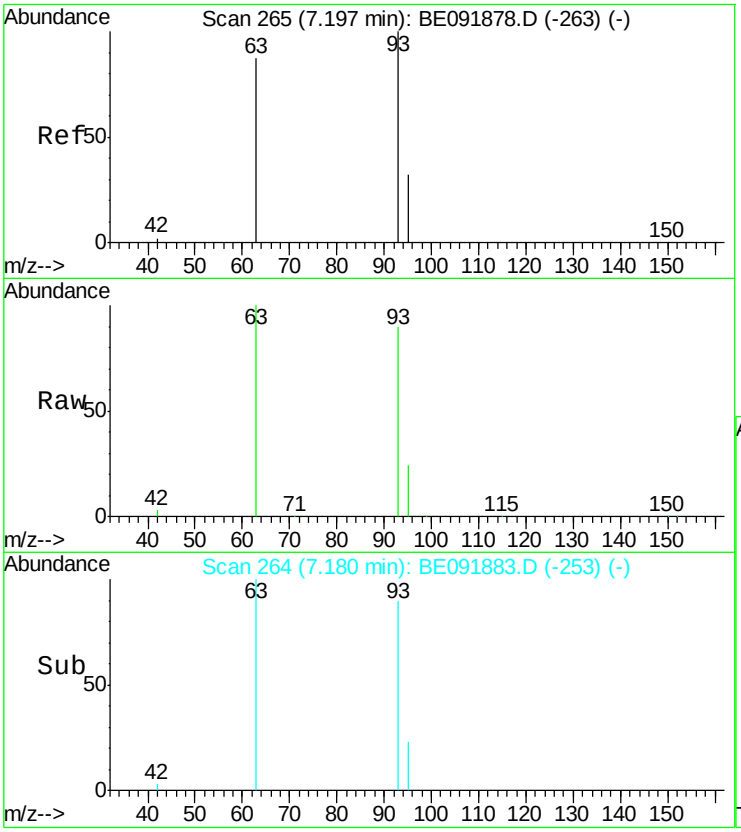


#5
Phenol-d6
Concen: 9.39 ng
RT: 6.94 min Scan# 250
Delta R.T. -0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion: 99 Resp: 79116

Ion	Ratio	Lower	Upper
99	100		
42	25.8	19.6	29.4
71	35.8	28.1	42.1



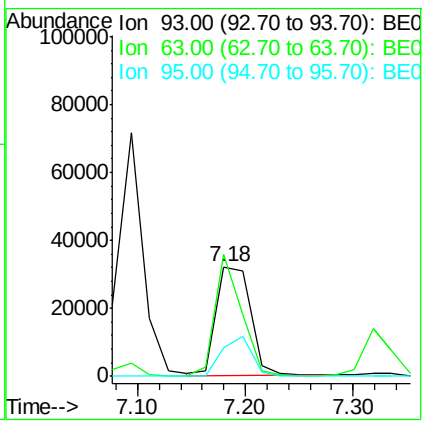


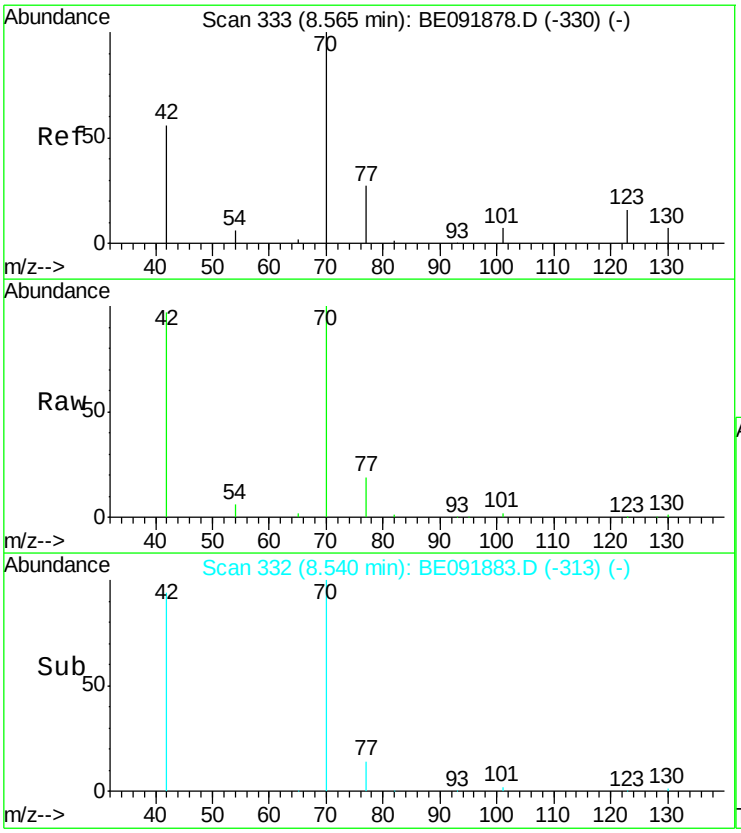
#6
bis(2-Chloroethyl)ether
Concen: 9.97 ng
RT: 7.18 min Scan# 264
Delta R.T. -0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 70280

Ion	Ratio	Lower	Upper
93	100		
63	86.2	66.2	99.4
95	32.2	25.5	38.3

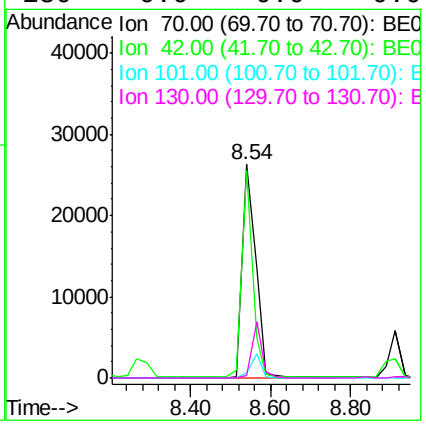


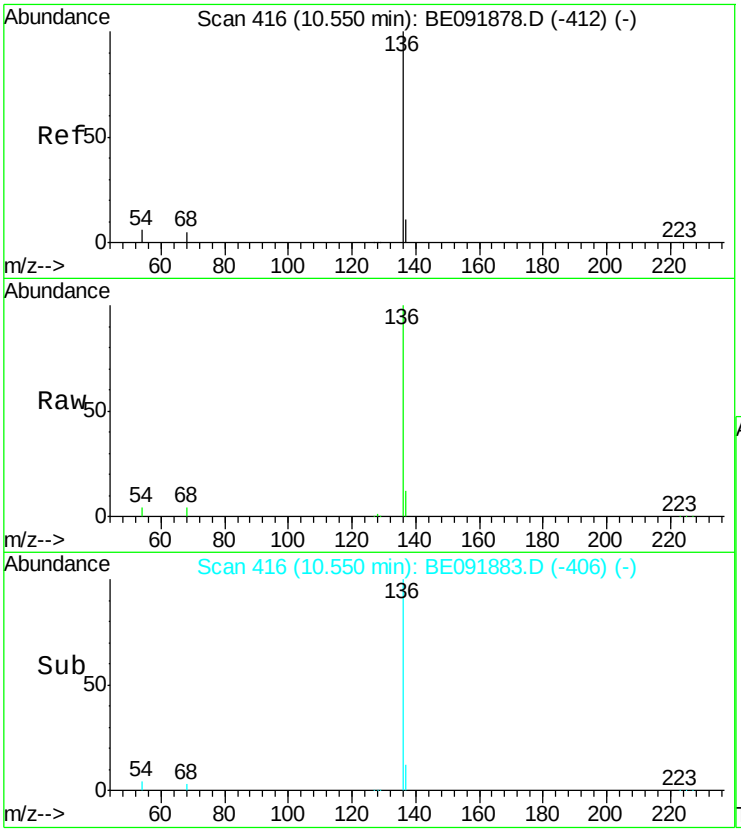


#7
n-Nitroso-di-n-propylamine
Concen: 9.34 ng
RT: 8.54 min Scan# 332
Delta R.T. -0.03 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion: 70 Resp: 60946

Ion	Ratio	Lower	Upper
70	100		
42	78.1	58.4	87.6
101	0.0	6.4	9.6#
130	0.0	0.0	0.0



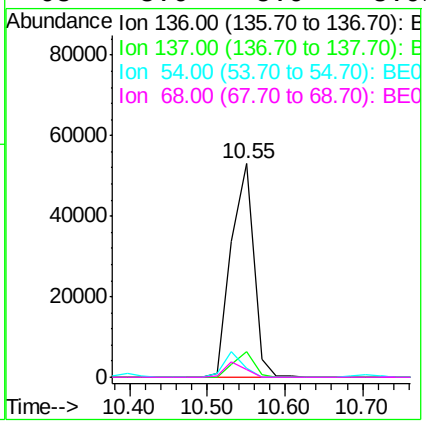


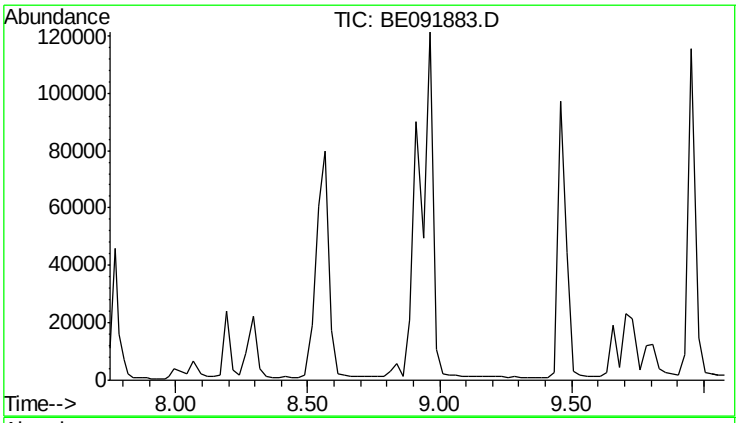
#8
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 416
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 106736

Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.3	12.5
54	4.2	8.2	12.4#
68	3.6	5.9	8.9#



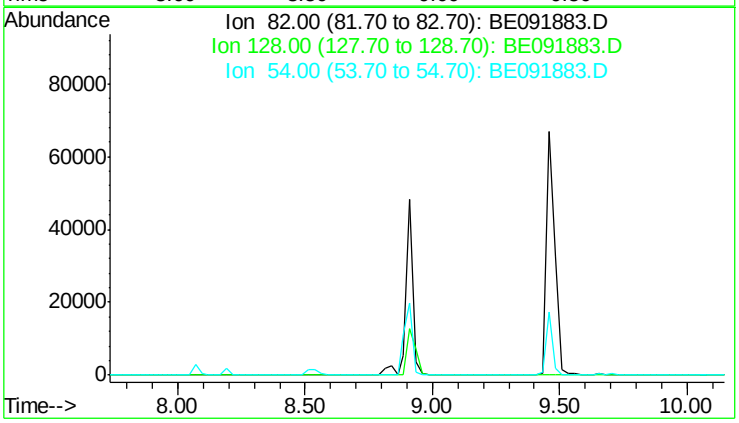


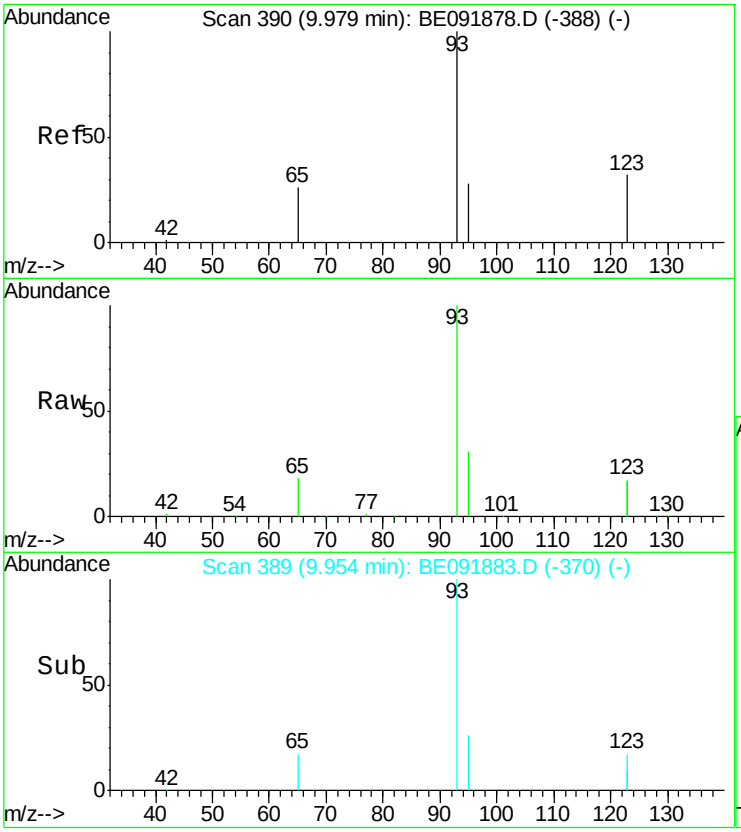
#9
Nitrobenzene-d5
Concen: 0.00 ng
Expected RT: 8.94 min

Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	49.4
54	37.9



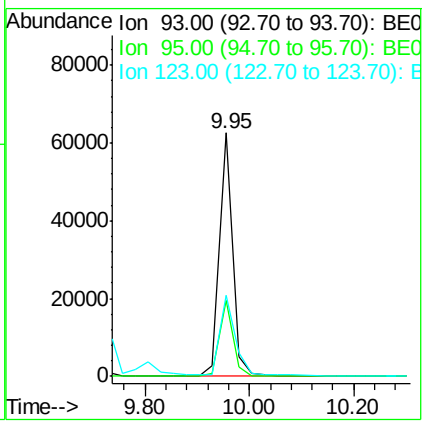


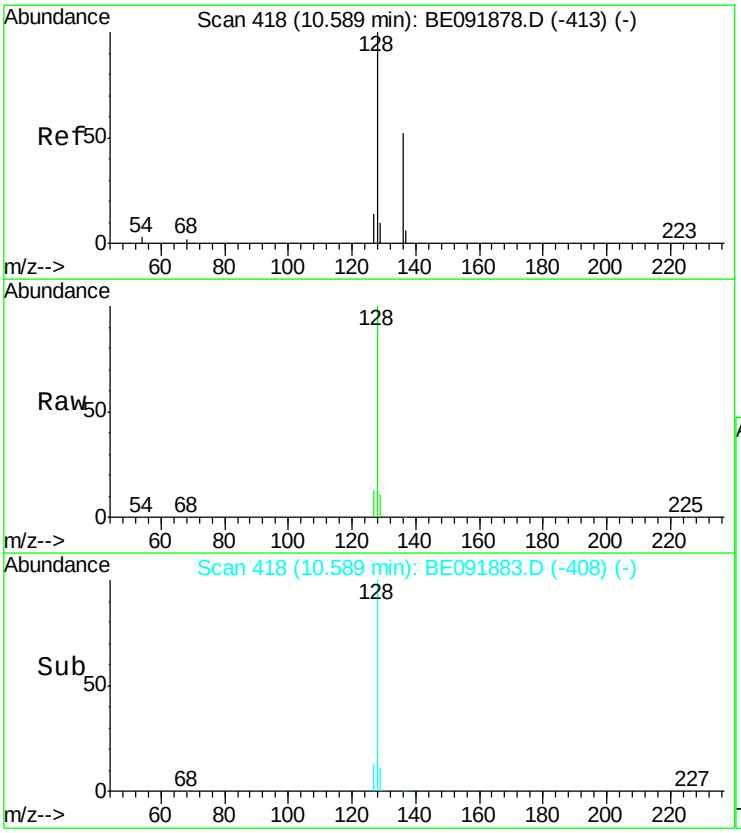
#11
bis(2-Chloroethoxy)methane
Concen: 12.24 ng
RT: 9.95 min Scan# 389
Delta R.T. -0.03 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 123740

Ion	Ratio	Lower	Upper
93	100		
95	32.2	57.6	86.4#
123	41.2	100.2	150.4#

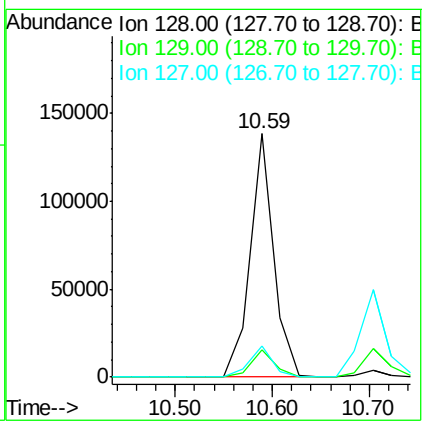


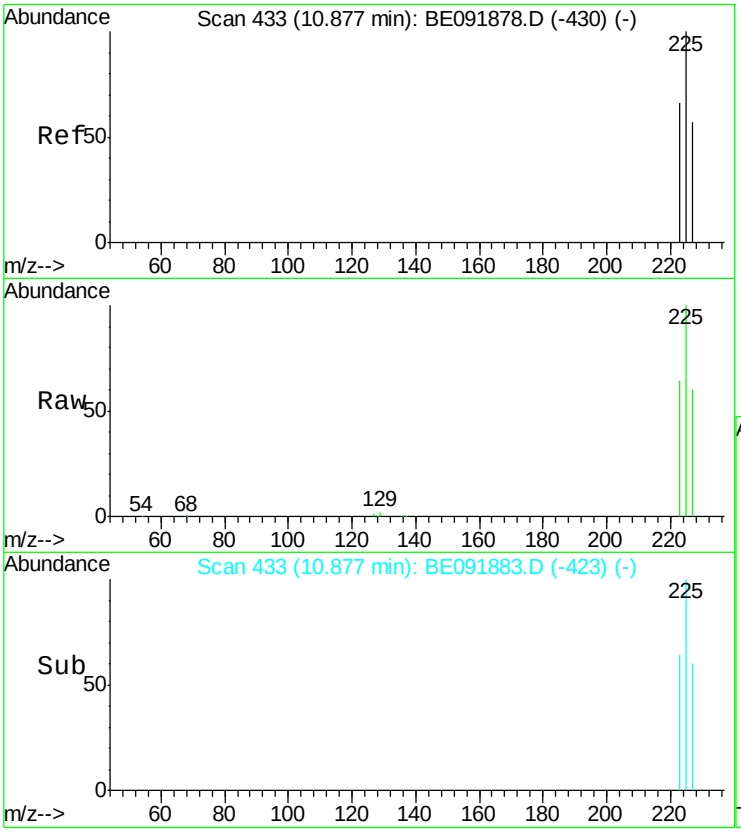


#12
Naphthalene
Concen: 10.11 ng
RT: 10.59 min Scan# 418
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:128 Resp: 233167

Ion	Ratio	Lower	Upper
128	100		
129	11.0	10.4	15.6
127	12.9	10.2	15.2



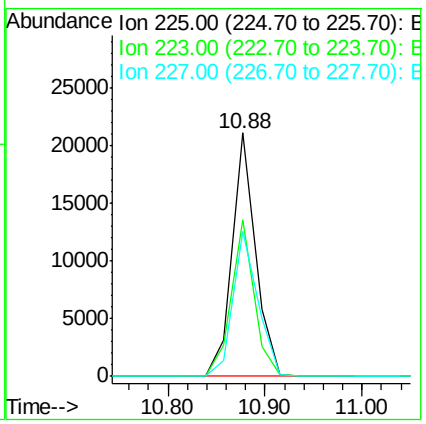


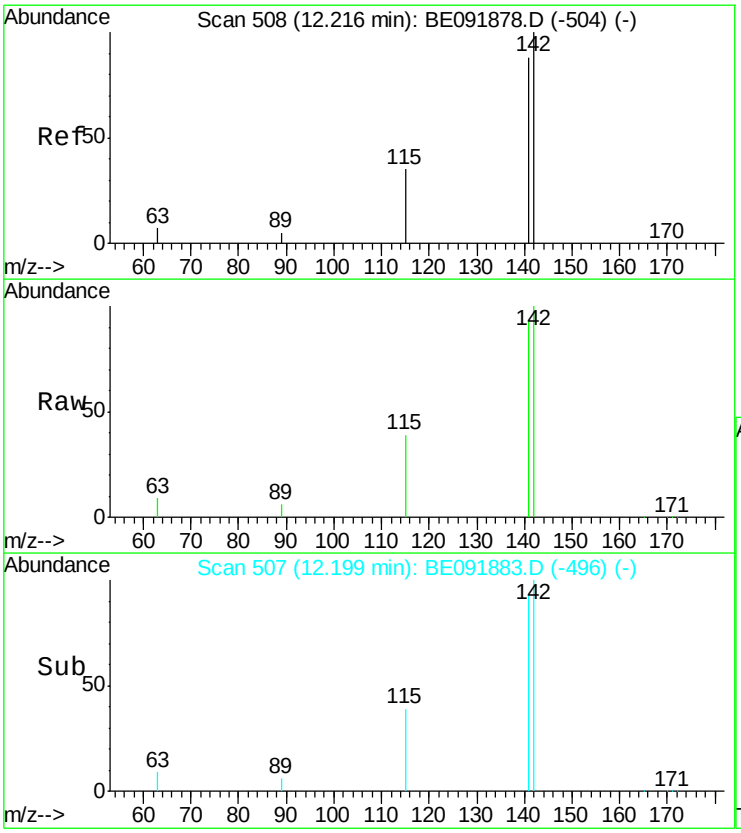
#13
Hexachlorobutadiene
Concen: 9.78 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:225 Resp: 34701

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.8
227	63.2	50.6	75.8

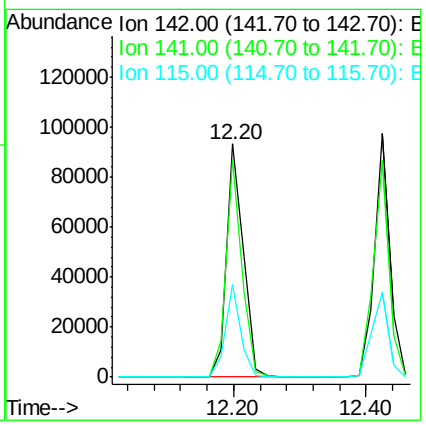


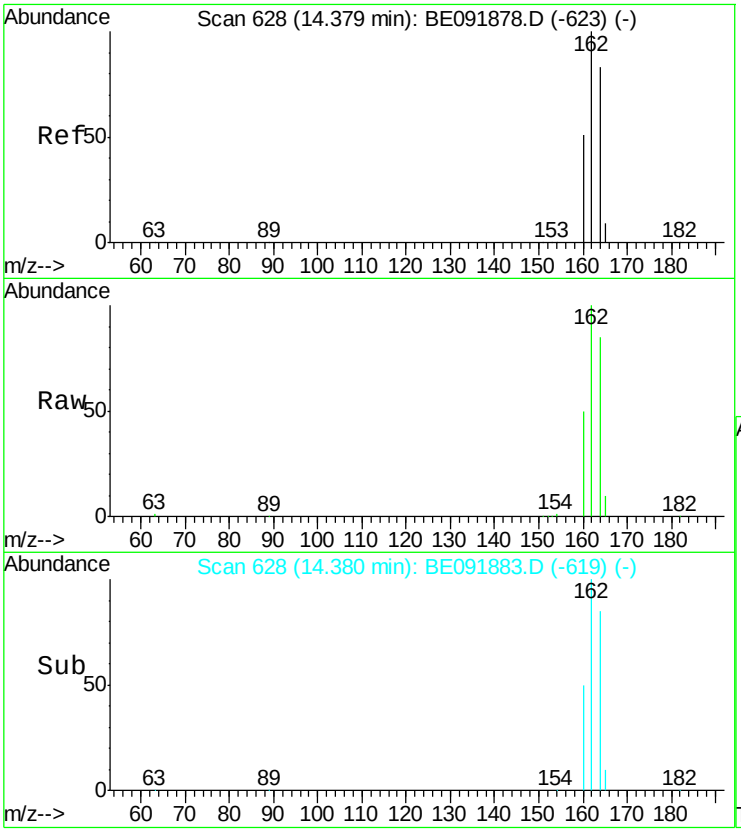


#14
2-Methylnaphthalene
Concen: 10.58 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:142 Resp: 162883

Ion	Ratio	Lower	Upper
142	100		
141	93.4	71.9	107.9
115	39.5	29.9	44.9



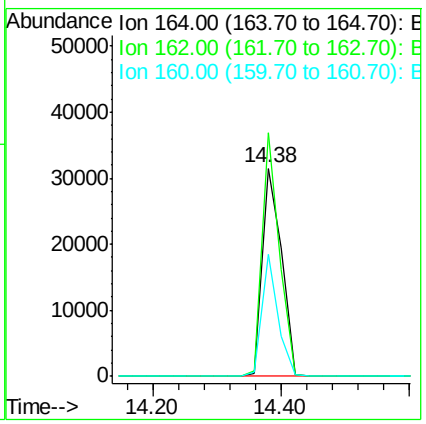


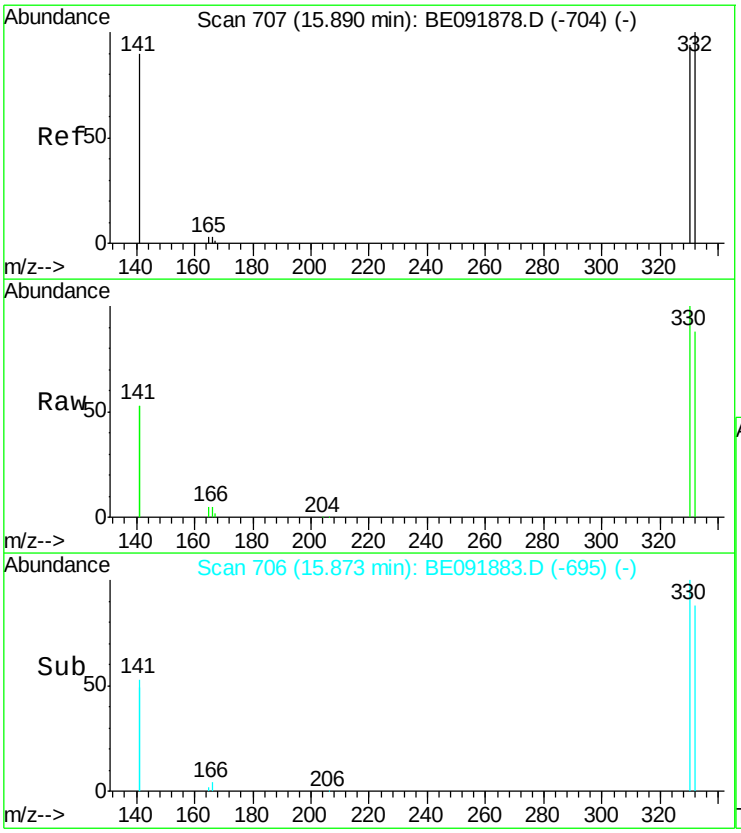
#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 65352

Ion	Ratio	Lower	Upper
164	100		
162	117.0	71.8	107.8#
160	58.7	28.0	42.0#

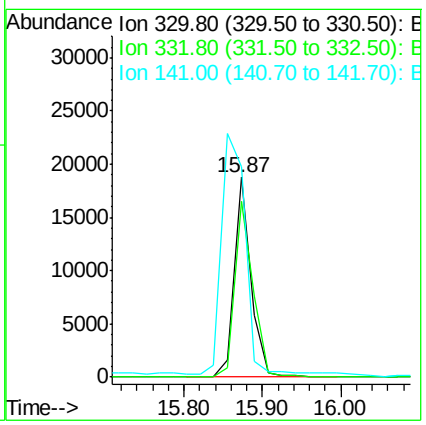


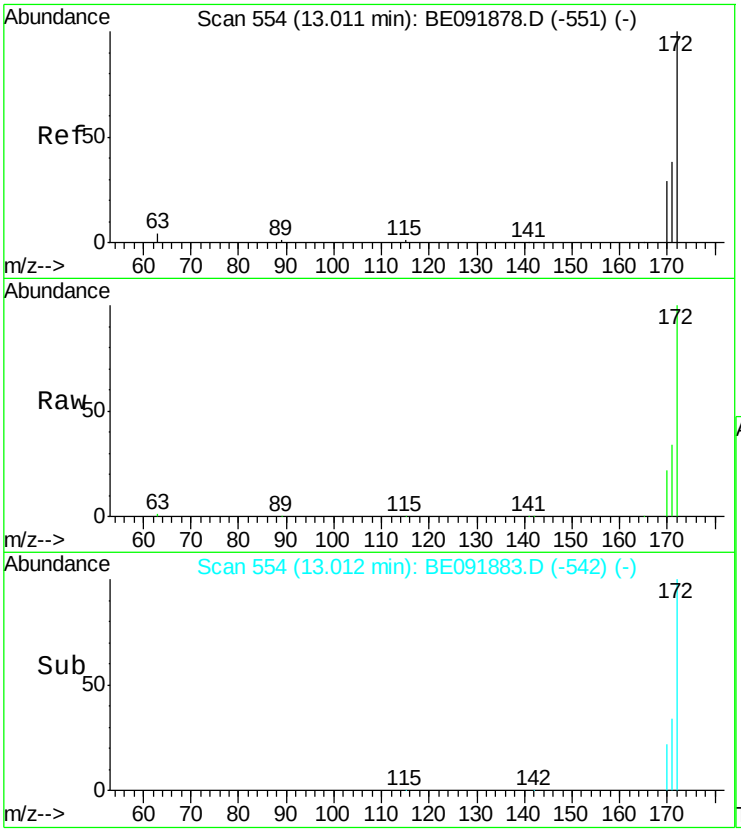


#16
2,4,6-Tribromophenol
Concen: 9.46 ng
RT: 15.87 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:330 Resp: 27560

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	167.3	138.4	207.6



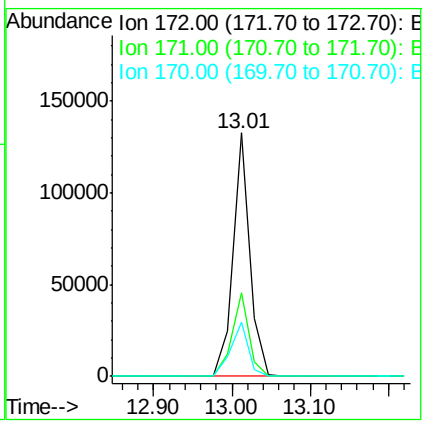


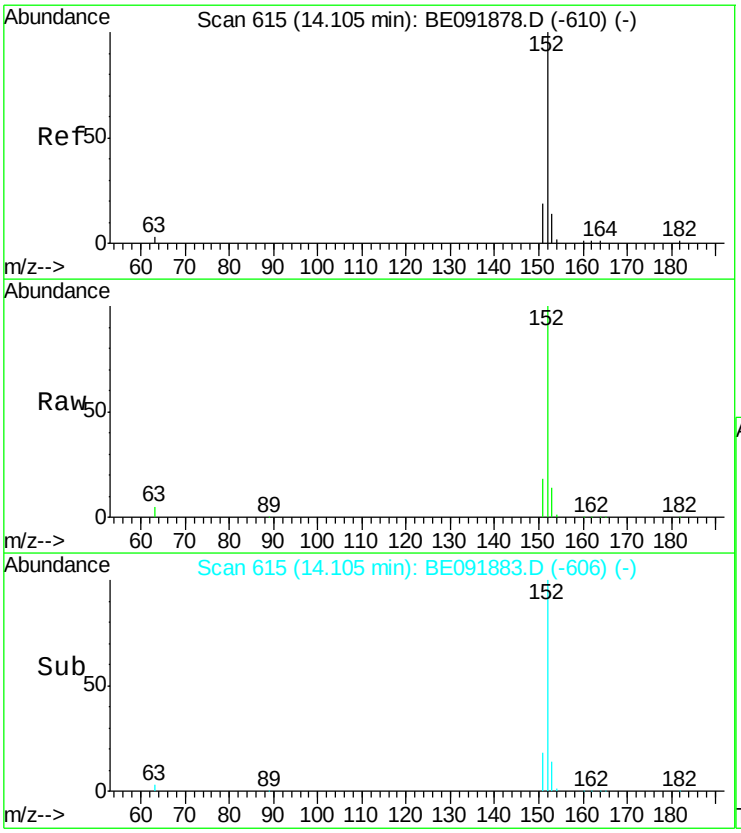
#17
2-Fluorobiphenyl
Concen: 10.17 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 197644

Ion	Ratio	Lower	Upper
172	100		
171	34.4	24.3	36.5
170	22.4	14.9	22.3#

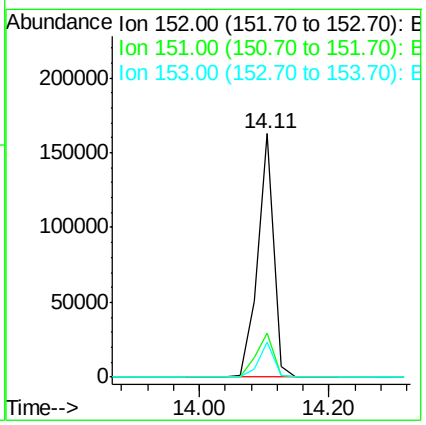


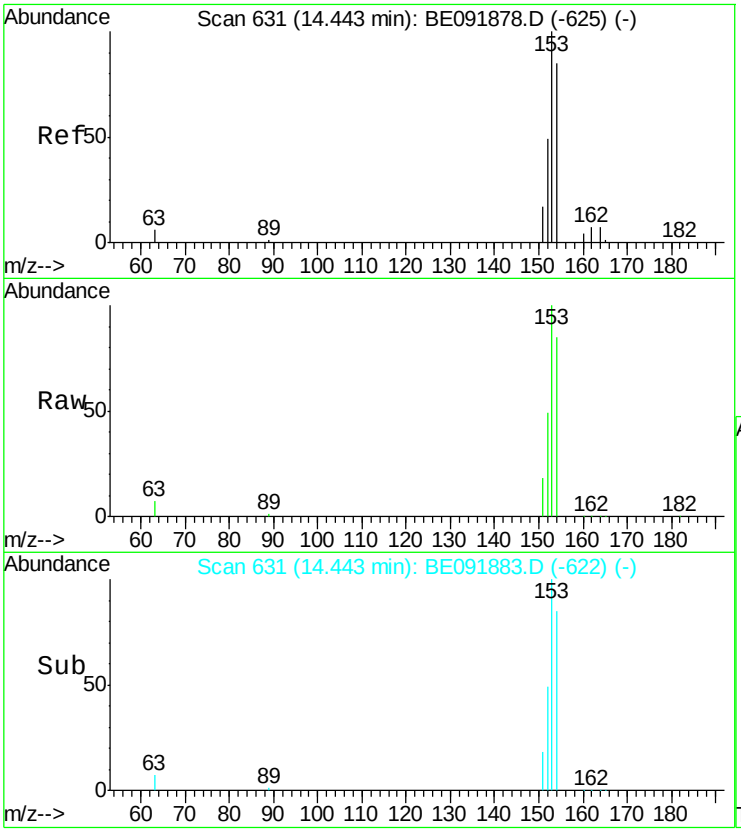


#18
Acenaphthylene
Concen: 9.61 ng
RT: 14.11 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:152 Resp: 308762

Ion	Ratio	Lower	Upper
152	100		
151	19.7	19.4	29.2
153	13.5	14.4	21.6#



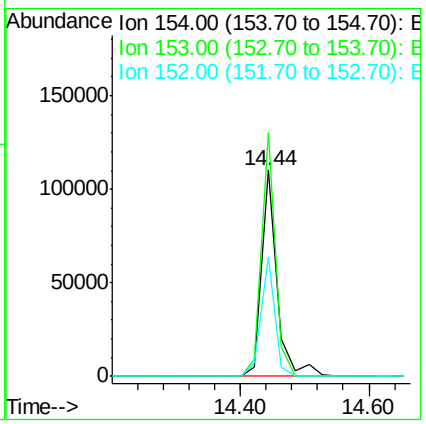


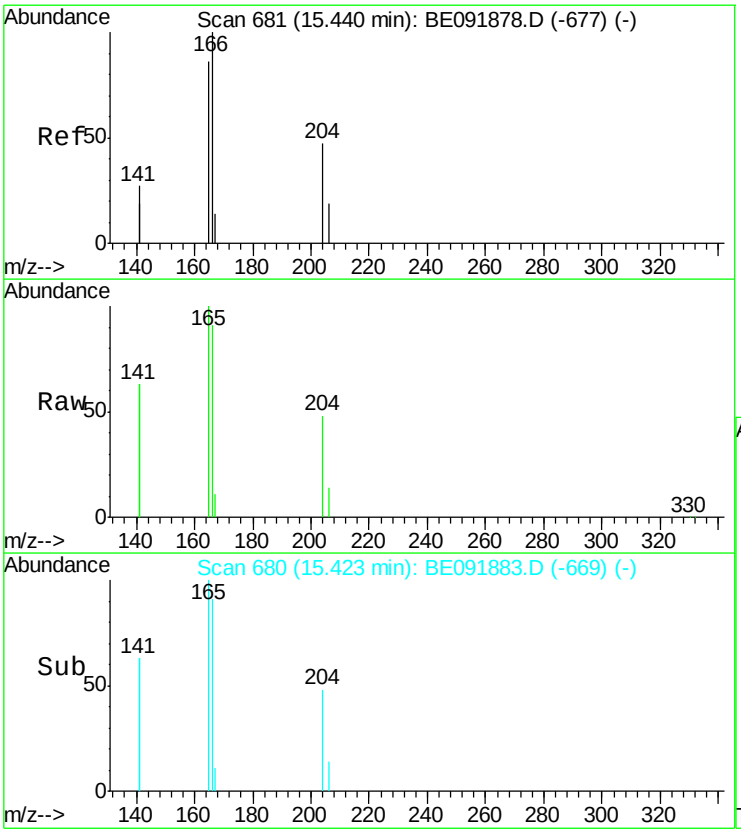
#20
Acenaphthene
Concen: 10.53 ng
RT: 14.44 min Scan# 631
Delta R.T. 0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:154 Resp: 184009

Ion	Ratio	Lower	Upper
154	100		
153	107.0	88.1	132.1
152	52.5	44.2	66.2

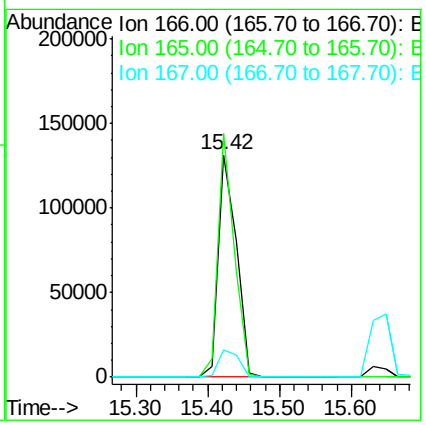


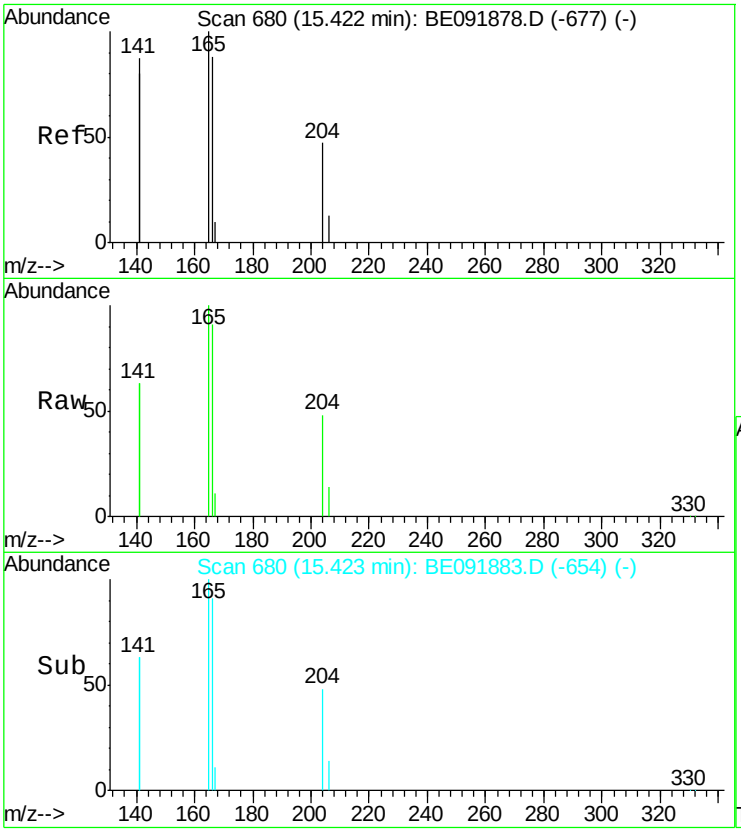


#22
Fluorene
Concen: 10.03 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:166 Resp: 230110

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.6	117.8
167	13.5	10.8	16.2



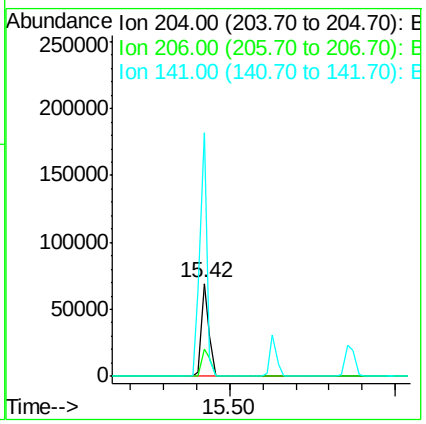


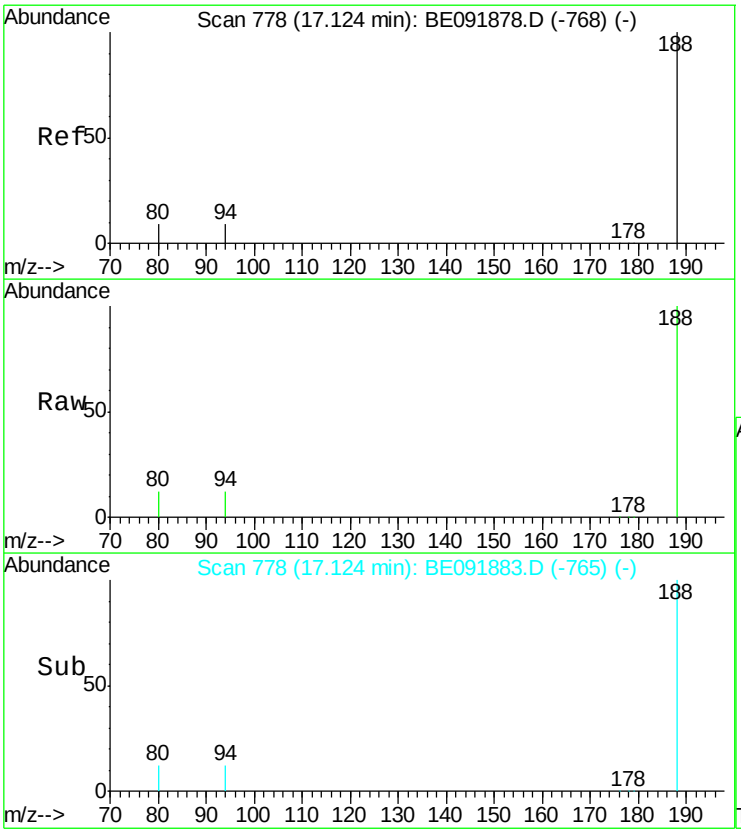
#23
4-Chlorophenyl-phenylether
Concen: 9.28 ng
RT: 15.42 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 107044

Ion	Ratio	Lower	Upper
204	100		
206	34.1	27.8	41.6
141	252.4	197.6	296.4

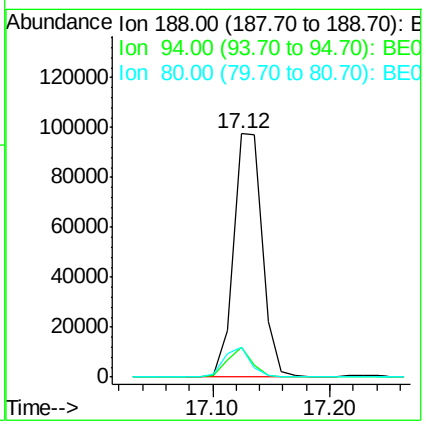


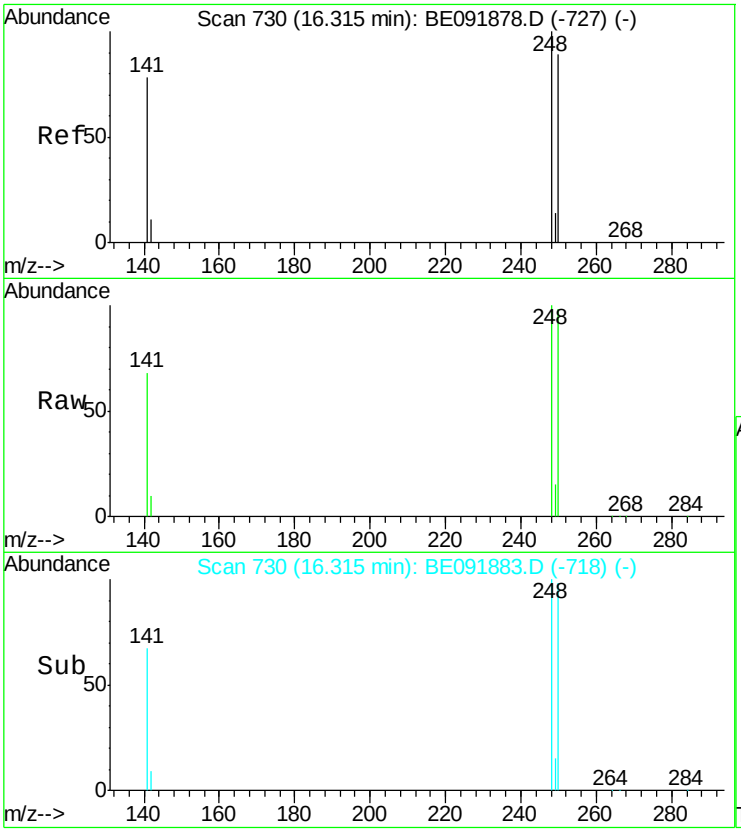


#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:188 Resp: 166179

Ion	Ratio	Lower	Upper
188	100		
94	12.1	4.1	6.1#
80	12.4	3.4	5.2#



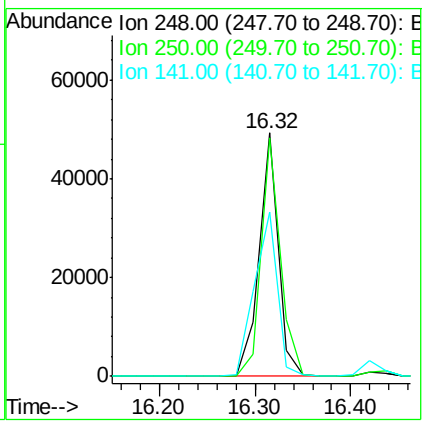


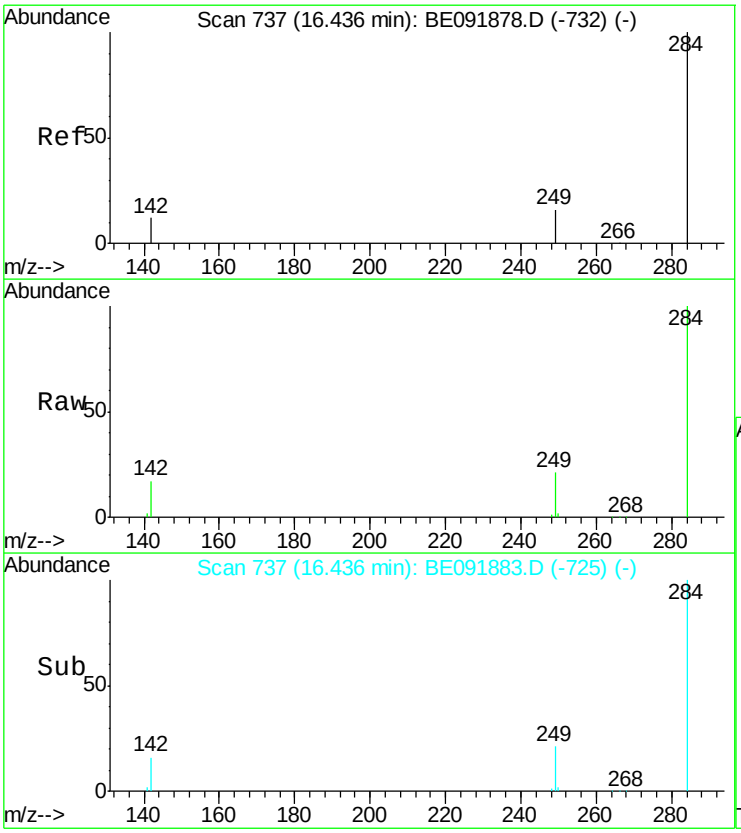
#25
4-Bromophenyl-phenylether
Concen: 11.49 ng
RT: 16.32 min Scan# 730
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 68214

Ion	Ratio	Lower	Upper
248	100		
250	98.1	75.7	113.5
141	80.0	64.6	97.0

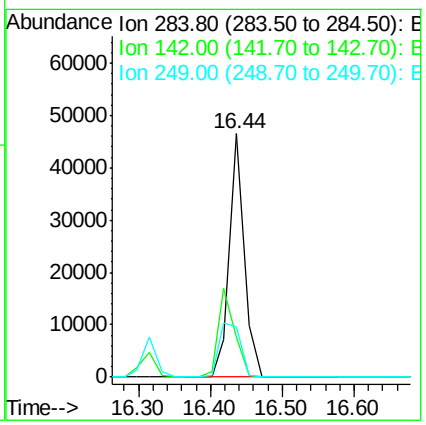


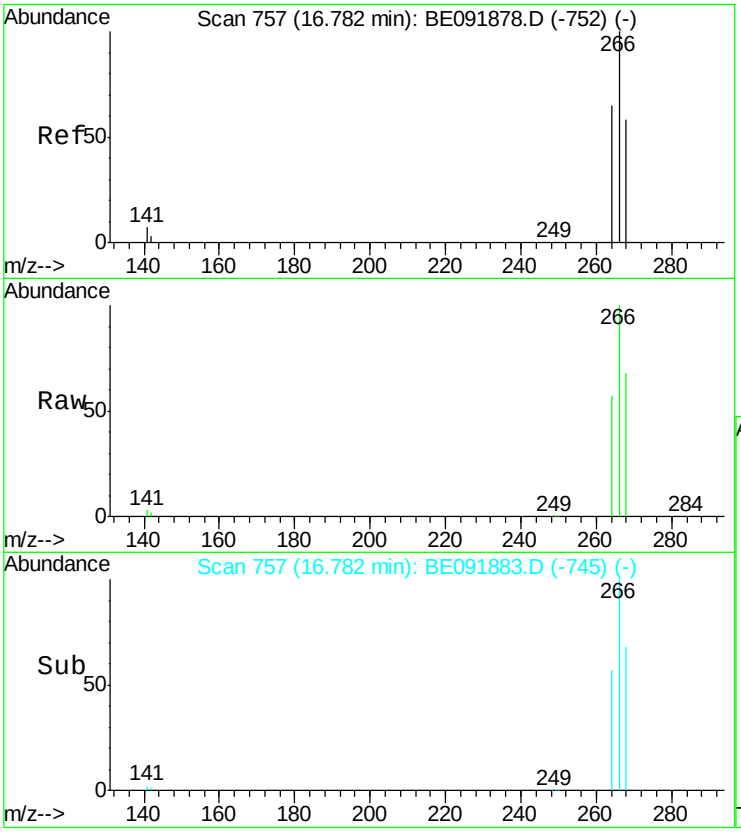


#26
Hexachlorobenzene
Concen: 11.68 ng
RT: 16.44 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:284 Resp: 66138

Ion	Ratio	Lower	Upper
284	100		
142	40.4	31.4	47.2
249	32.3	25.3	37.9



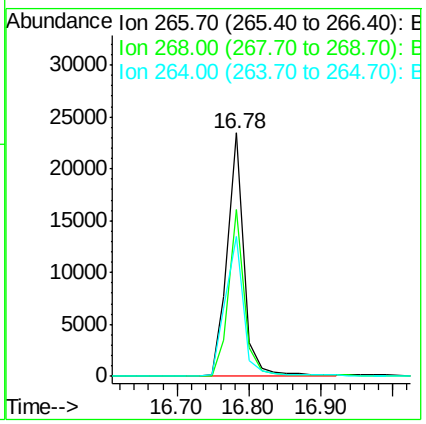


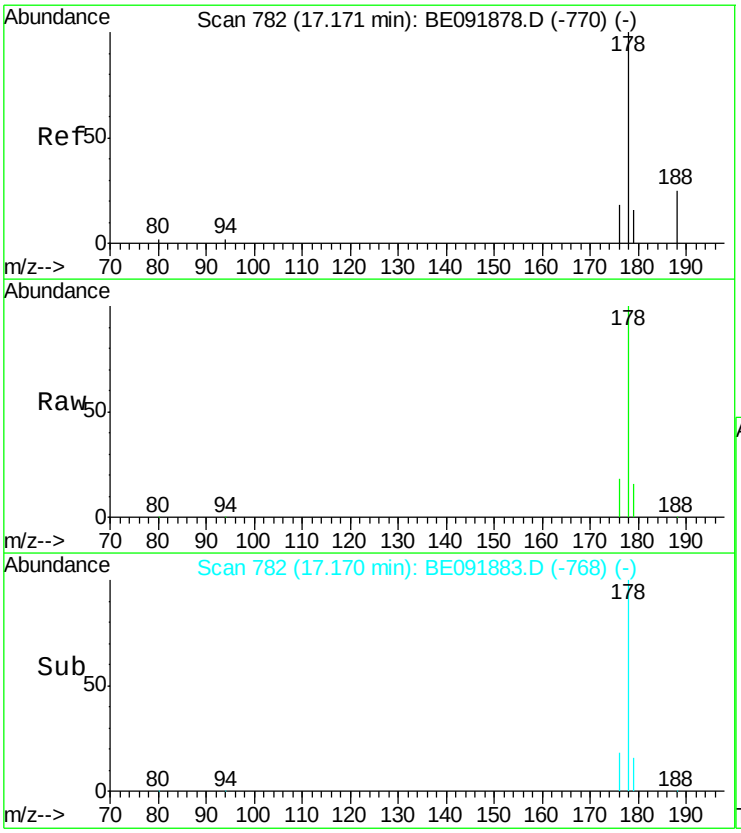
#27
Pentachlorophenol
Concen: 17.22 ng
RT: 16.78 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:266 Resp: 37588

Ion	Ratio	Lower	Upper
266	100		
268	68.4	60.5	90.7
264	57.3	51.0	76.4

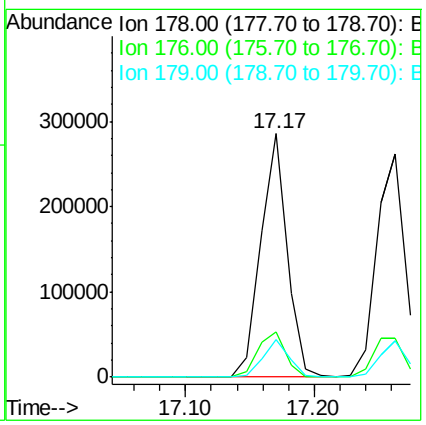


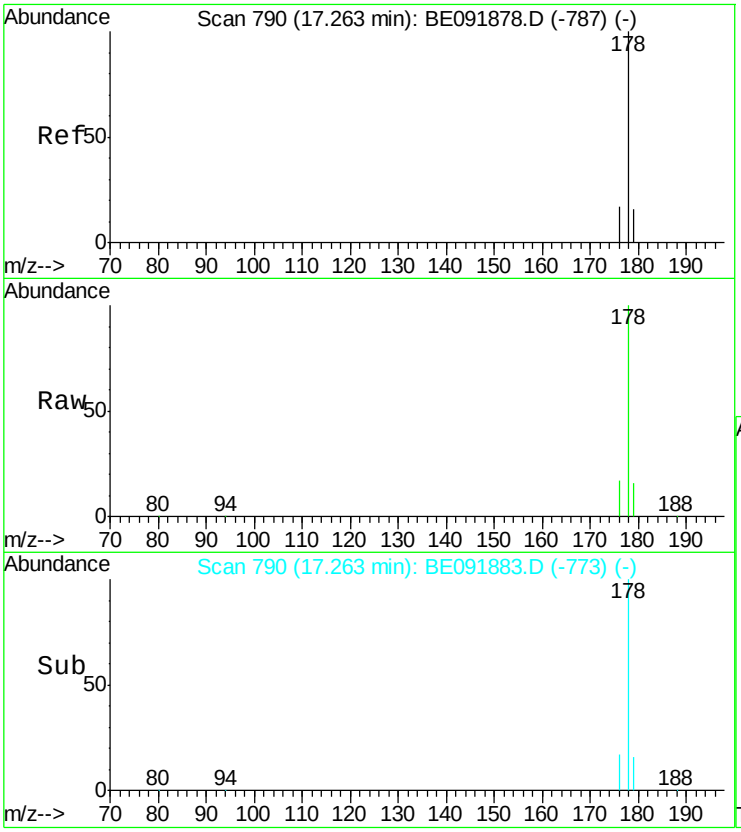


#28
Phenanthrene
Concen: 11.30 ng
RT: 17.17 min Scan# 782
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:178 Resp: 409151

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.4	12.9	19.3



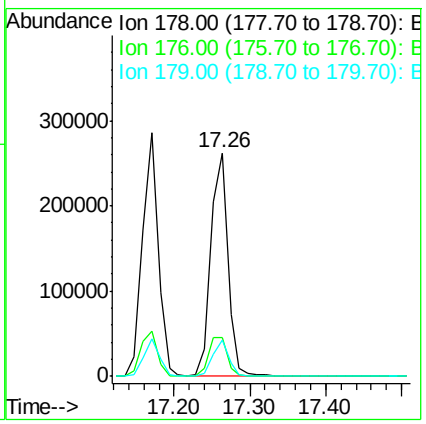


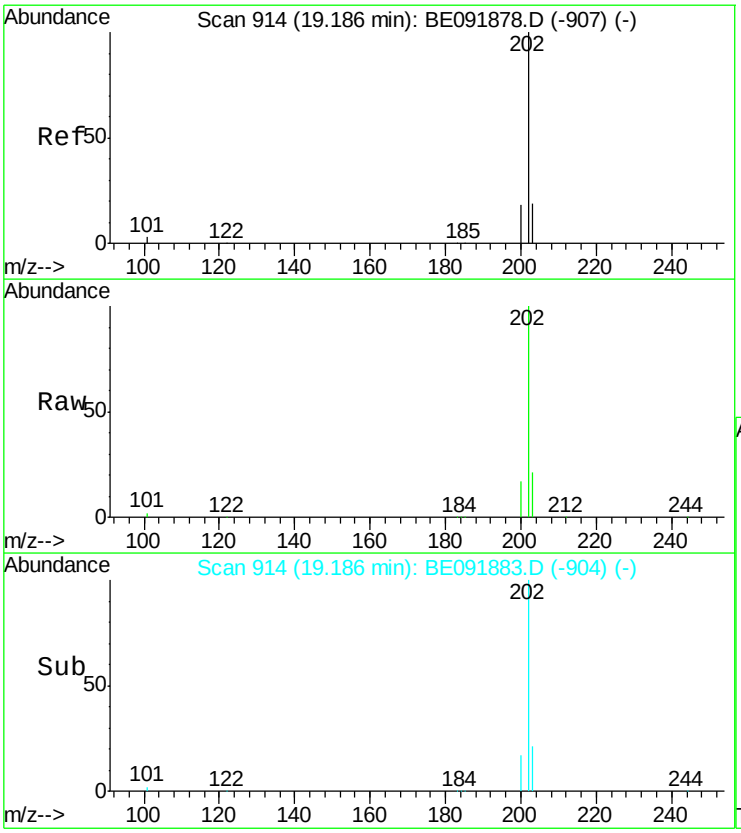
#29
Anthracene
Concen: 12.33 ng
RT: 17.26 min Scan# 790
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 409415

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.3	12.1	18.1

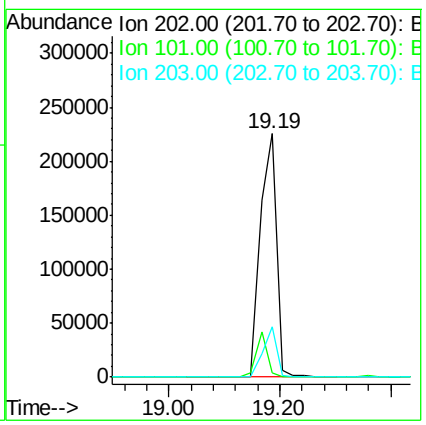


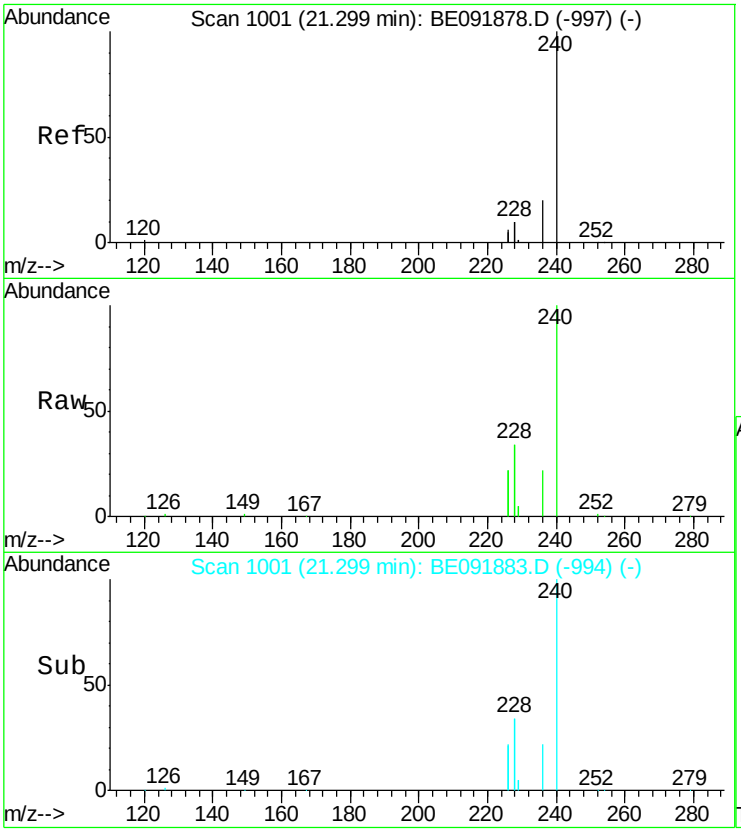


#30
Fluoranthene
Concen: 10.94 ng
RT: 19.19 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:202 Resp: 462803

Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.4	14.0
203	17.7	14.3	21.5



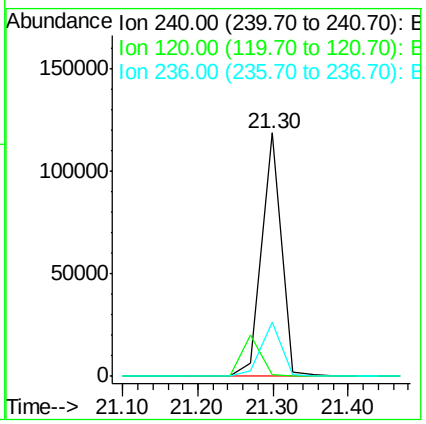


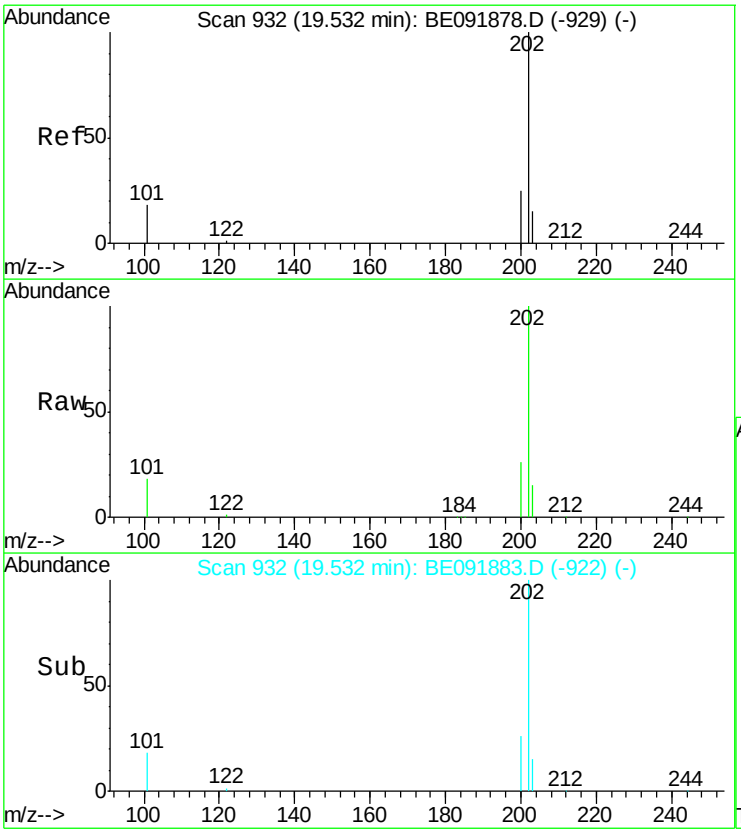
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.30 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:240 Resp: 218246

Ion	Ratio	Lower	Upper
240	100		
120	0.5	1.2	1.8#
236	22.2	19.8	29.8

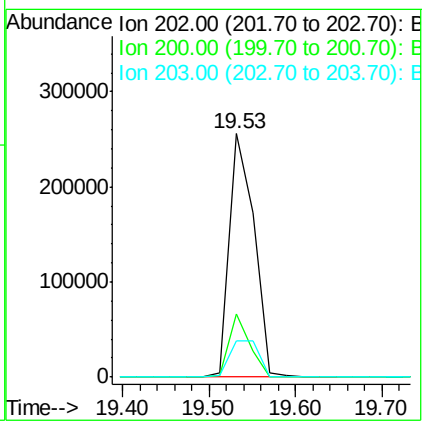


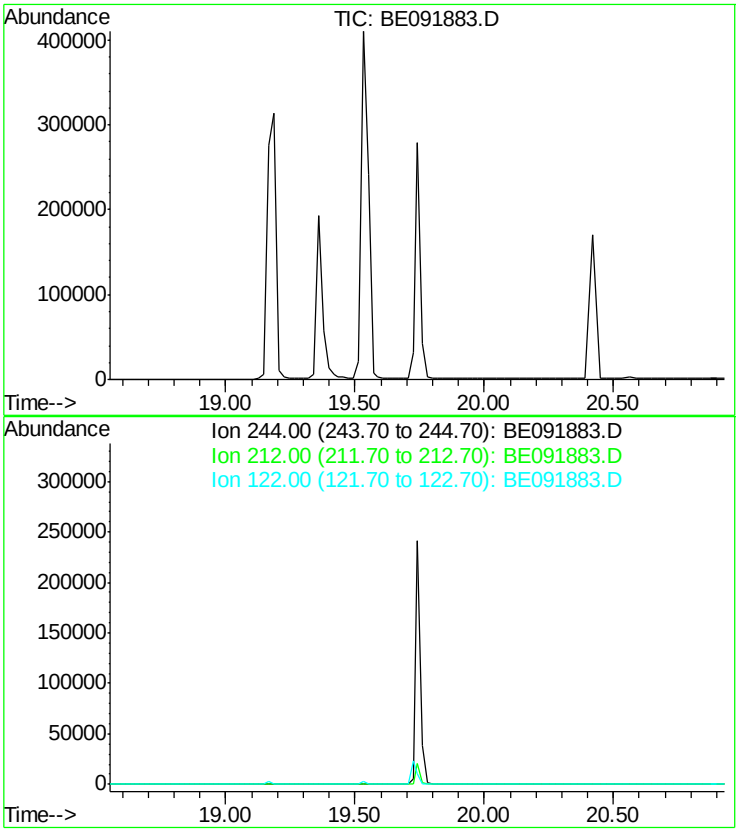


#33
Pyrene
Concen: 10.95 ng
RT: 19.53 min Scan# 932
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:202 Resp: 507141

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.2	14.1	21.1





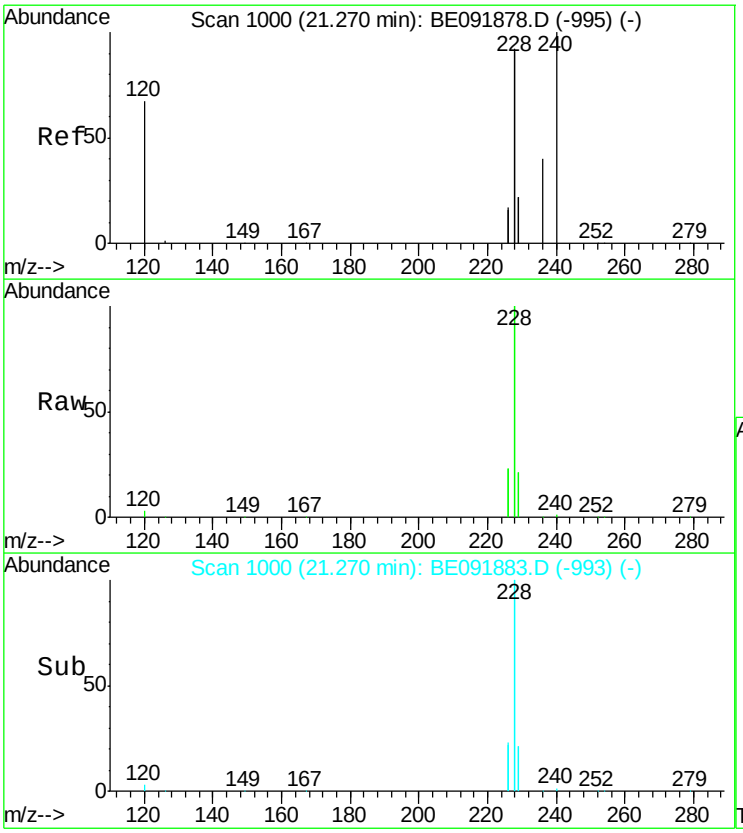
#34
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 19.74 min

Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion: 244

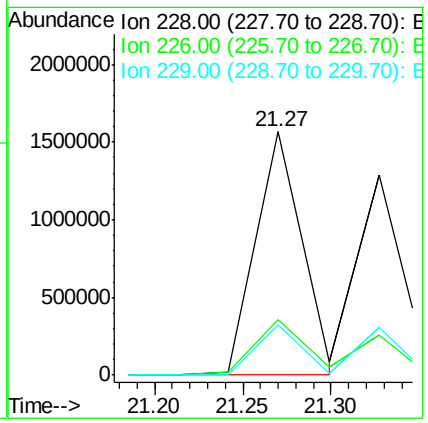
Sig	Exp Ratio
244	100
212	8.1
122	3.6

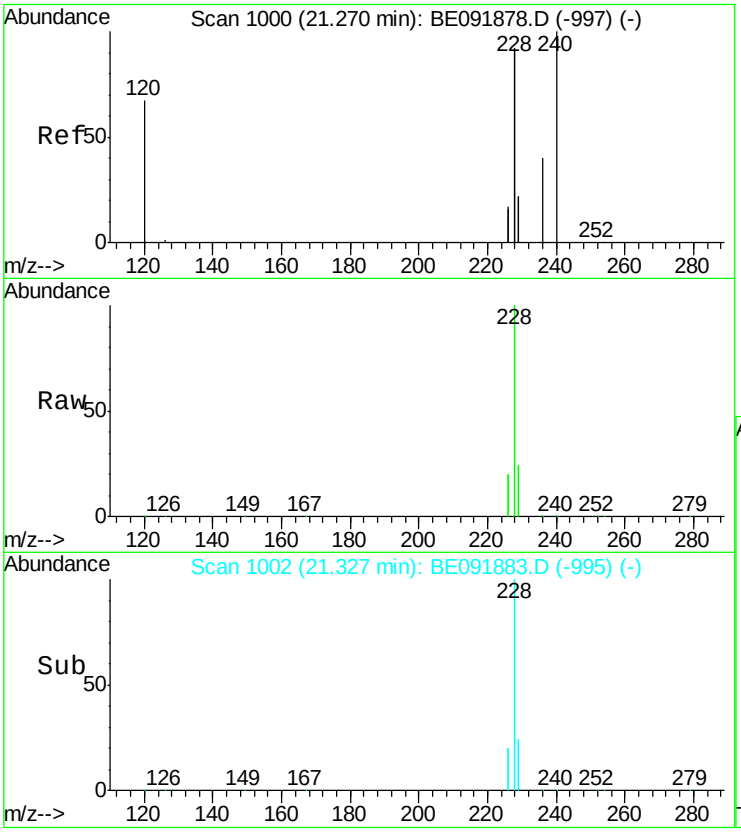


#35
Benzo(a)anthracene
Concen: 48.78 ng m
RT: 21.27 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:228 Resp: 2837072

Ion	Ratio	Lower	Upper
228	100		
226	22.5	21.0	31.4
229	20.7	15.8	23.8



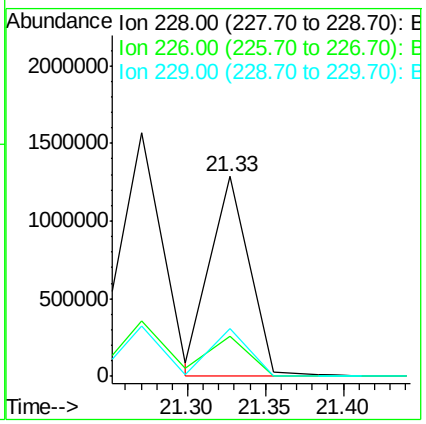


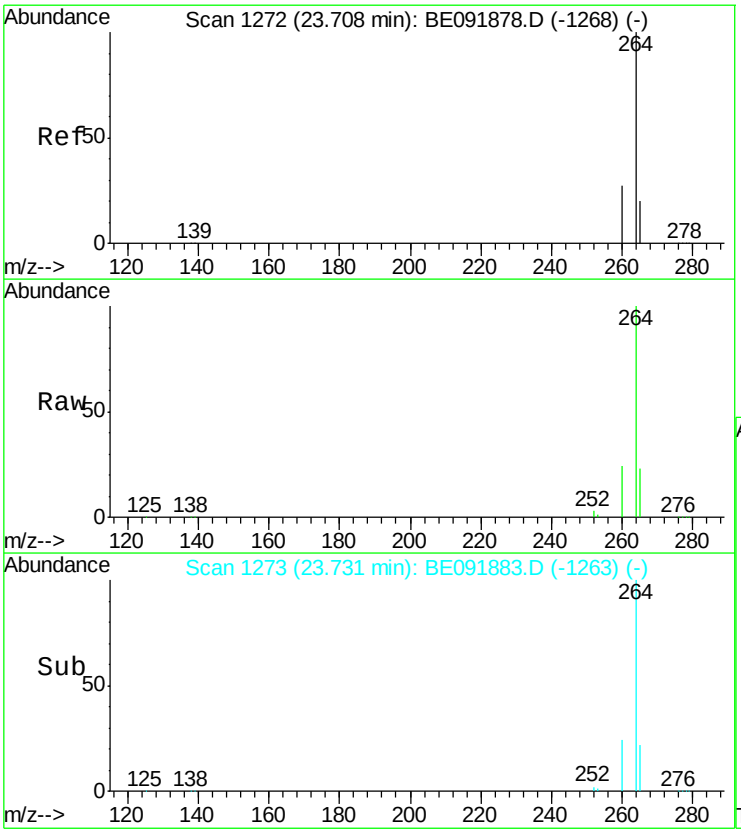
#37
Chrysene
Concen: 42.19 ng m
RT: 21.33 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 2251356

Ion	Ratio	Lower	Upper
228	100		
226	20.3	27.0	40.6#
229	24.1	13.8	20.8#

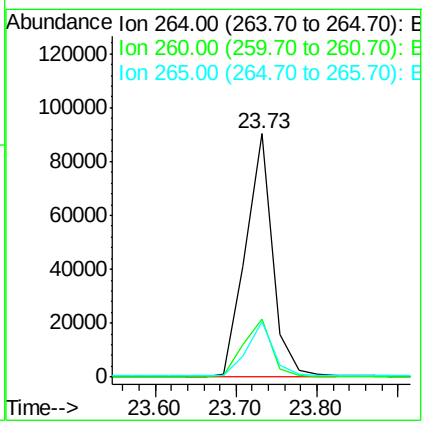


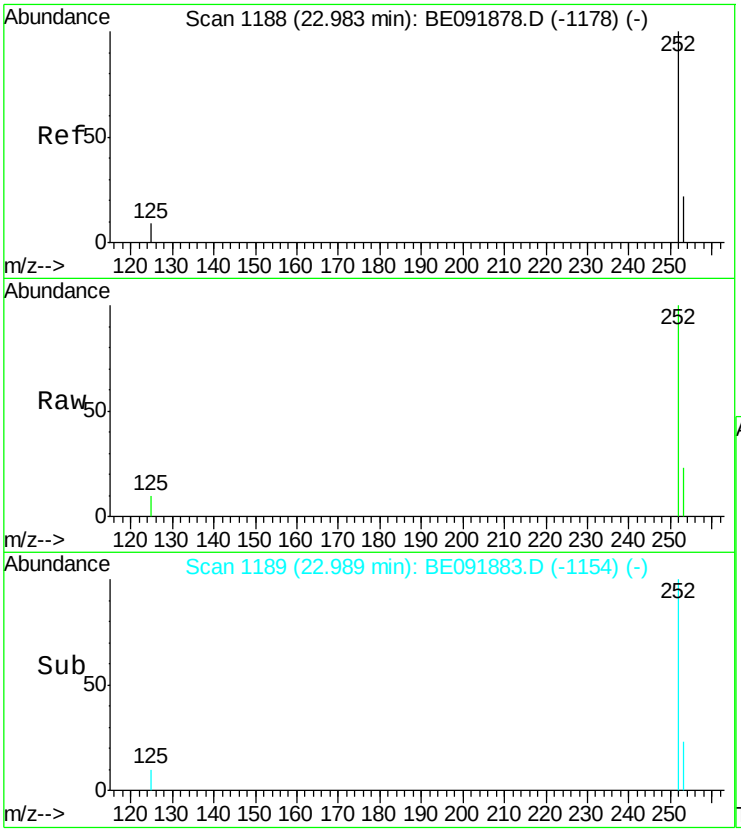


#40
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1273
Delta R.T. 0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:264 Resp: 210081

Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.3	30.5
265	22.6	17.6	26.4



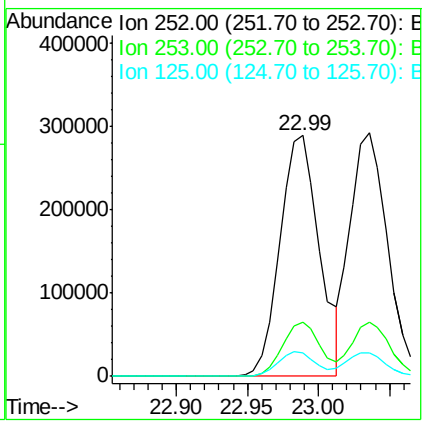


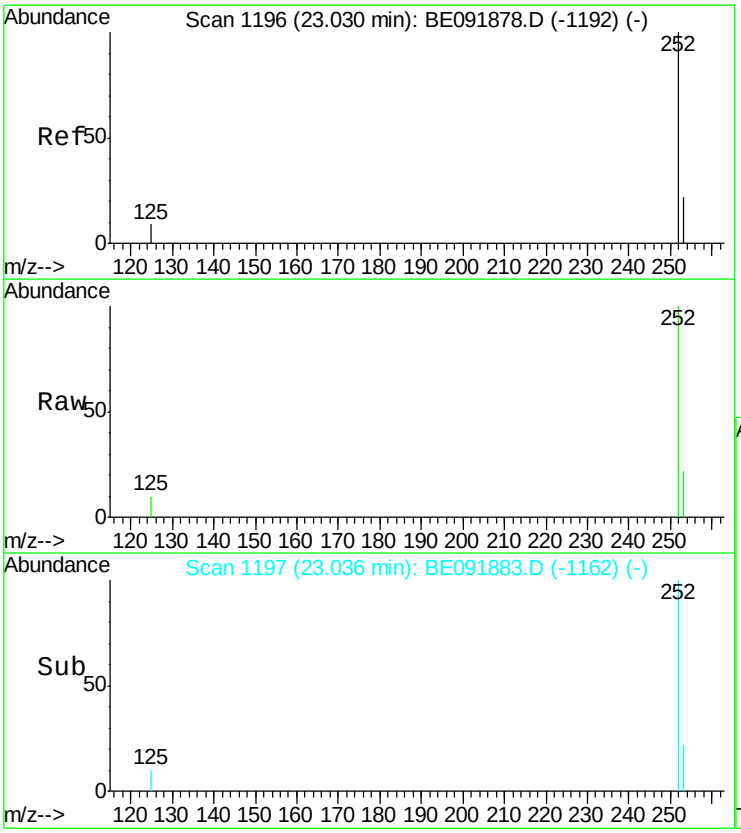
#41
Benzo(b)fluoranthene
Concen: 9.79 ng
RT: 22.99 min Scan# 1189
Delta R.T. 0.01 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 554938

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	9.6	9.4	14.2

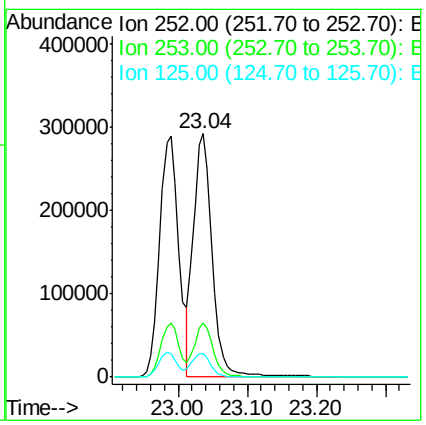


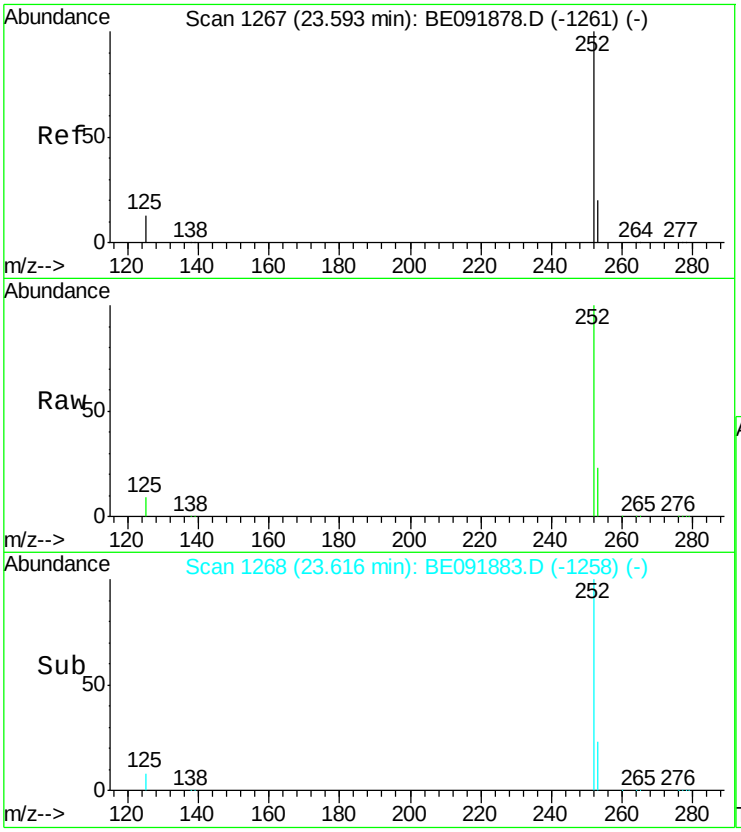


#42
Benzo(k)fluoranthene
Concen: 10.68 ng
RT: 23.04 min Scan# 1197
Delta R.T. 0.01 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:252 Resp: 549375

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.4	29.2
125	9.7	8.3	12.5



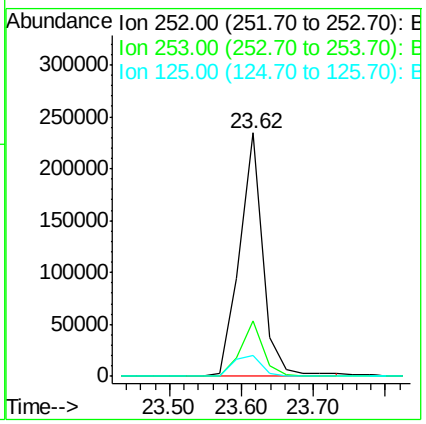


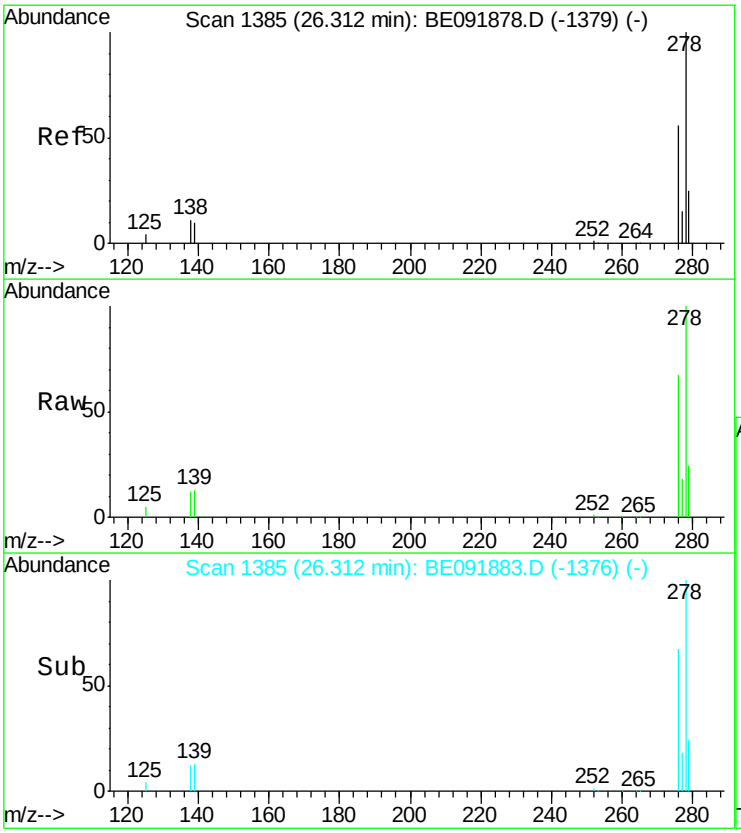
#43
Benzo(a)pyrene
Concen: 10.22 ng
RT: 23.62 min Scan# 1268
Delta R.T. 0.02 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 525294

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	8.5	10.5	15.7#

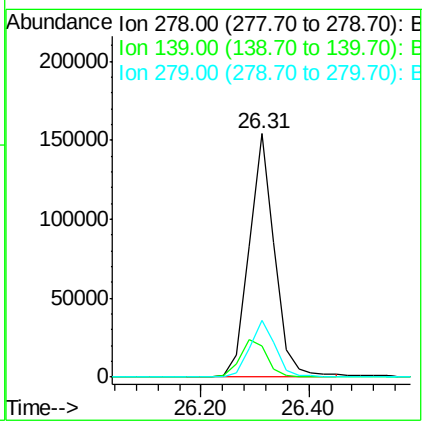


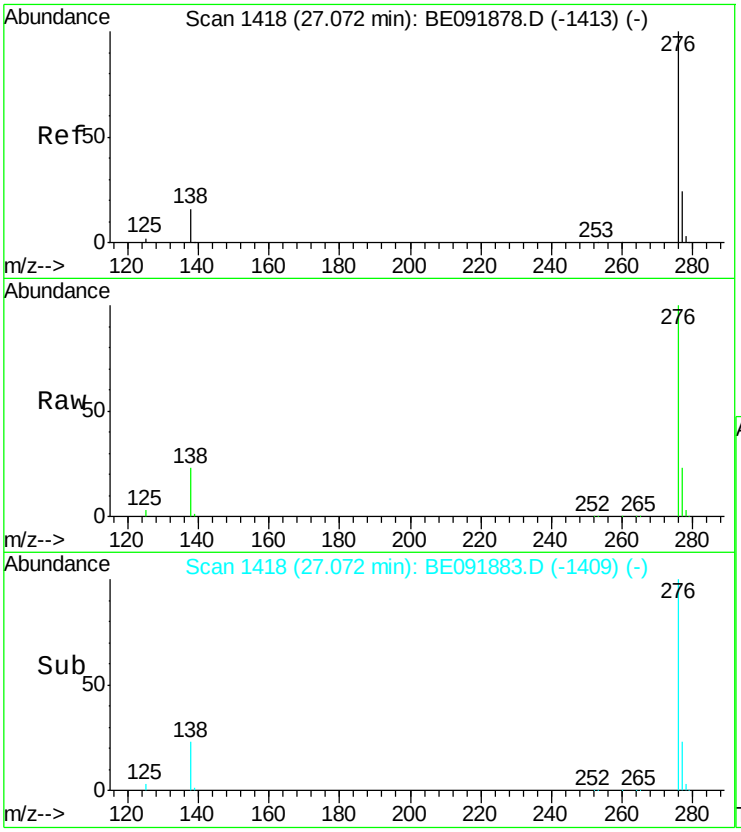


#44
Dibenzo(a,h)anthracene
Concen: 10.27 ng
RT: 26.31 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Tgt Ion:278 Resp: 505807

Ion	Ratio	Lower	Upper
278	100		
139	12.6	12.6	18.8
279	23.5	20.0	30.0





#45
Benzo(g,h,i)perylene
Concen: 10.21 ng
RT: 27.07 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BE091883.D
Acq: 7 Jun 2016 14:57

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 510123

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.5	29.3
138	22.7	17.7	26.5