Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051617\
Data File : BE093046.D
Acq On : 16 May 2017 9:22
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: May 18 00:52:49 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 15 13:35:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	927	0.40	ng		0.00
7) Naphthalene-d8	10.53	136	3972	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	1890	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	5310	0.40	ng		0.00
27) Chrysene-d12	21.28	240	5322	0.40	ng		0.00
34) Perylene-d12	23.69	264	4574	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	1016	0.36	ng		0.00
5) Phenol-d6	6.92	99	1371	0.36	ng		0.00
8) Nitrobenzene-d5	8.88	82	1265	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.11	152	1990	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.87	330	198	0.35	ng		-0.01
15) 2-Fluorobiphenyl	13.01	172	2729	0.35	ng		0.00
25) Fluoranthene-d10	19.14	212	4423	0.32	ng		0.00
29) Terphenyl-d14	19.74	244	3498	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	649	0.35	ng		98
3) n-Nitrosodimethylamine	3.61	42	600	0.36	ng	#	98
6) bis(2-Chloroethyl)ether	7.18	93	1111	0.36	ng	#	99
9) Naphthalene	10.56	128	3736	0.36	ng	#	94
10) Hexachlorobutadiene	10.87	225	492	0.36	ng		97
12) 2-Methylnaphthalene	12.19	142	2178	0.34	ng		97
16) Acenaphthylene	14.10	152	11647	0.35	ng		99
17) Acenaphthene	14.44	154	2135	0.36	ng		98
18) Fluorene	15.43	166	2636	0.36	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	549	0.33	ng	#	1
21) Hexachlorobenzene	16.47	284	722	0.28	ng	#	100
22) Pentachlorophenol	16.82	266	423	0.69	ng		91
23) Phenanthrene	17.16	178	3592	0.30	ng	#	81
24) Anthracene	17.28	178	3195	0.27	ng		98
26) Fluoranthene	19.16	202	21232	0.32	ng	#	59
28) Pyrene	19.53	202	23065	0.36	ng	#	97
30) Benzo(a)anthracene	21.25	228	5429	0.38	ng	#	86
31) Chrysene	21.30	228	5651	0.37	ng	#	87
32) Bis(2-ethylhexyl)phthalate	21.20	149	2525	0.36	ng		92
33) Indeno(1,2,3-cd)pyrene	26.22	276	20796	0.37	ng		98
35) Benzo(b)fluoranthene	22.95	252	5088	0.35	ng		97
36) Benzo(k)fluoranthene	23.00	252	4734	0.33	ng		97
37) Benzo(a)pyrene	23.57	252	4673	0.35	ng		98
38) Dibenzo(a,h)anthracene	26.25	278	4400	0.36	ng		96
39) Benzo(g,h,i)perylene	27.00	276	18621	0.35	ng		99

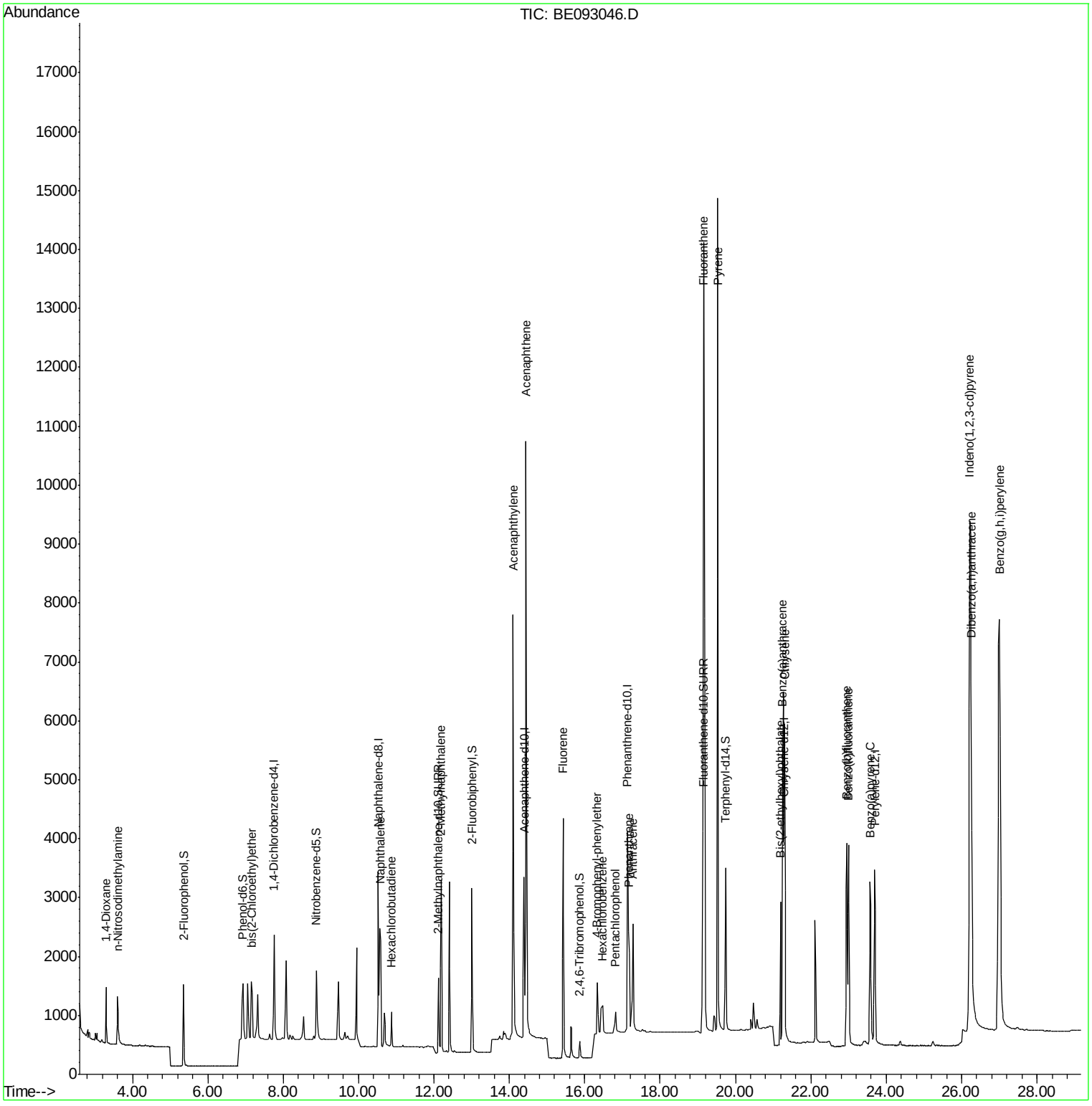
(#) = qualifier out of range (m) = manual integration (+) = signals summed

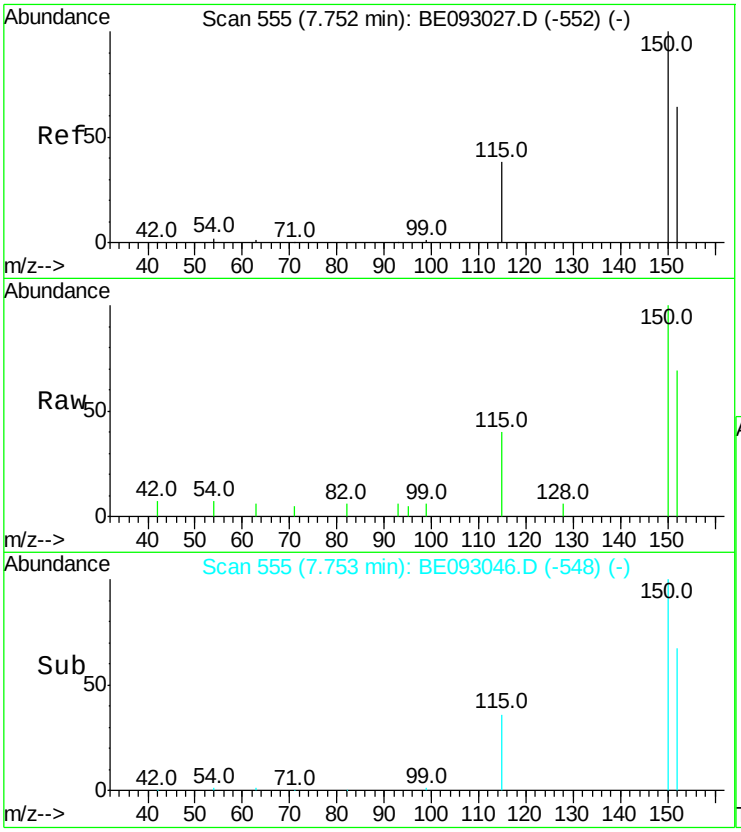
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051617\
Data File : BE093046.D
Acq On : 16 May 2017 9:22
Operator : SJ/MA
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: May 18 00:52:49 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 15 13:35:57 2017
Response via : Initial Calibration



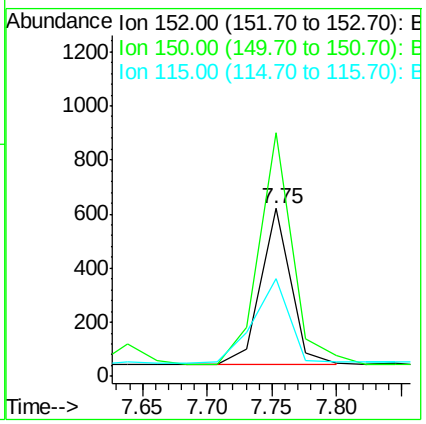


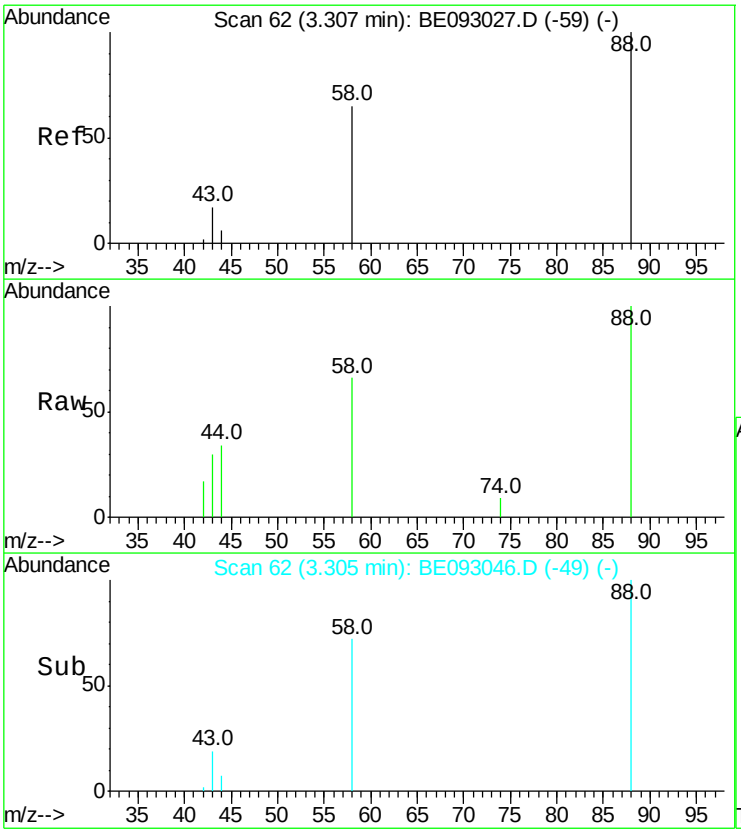
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 927

Ion	Ratio	Lower	Upper
152	100		
150	145.2	125.1	187.7
115	57.9	55.7	83.5

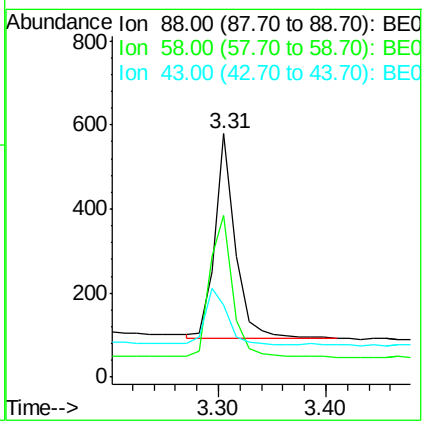


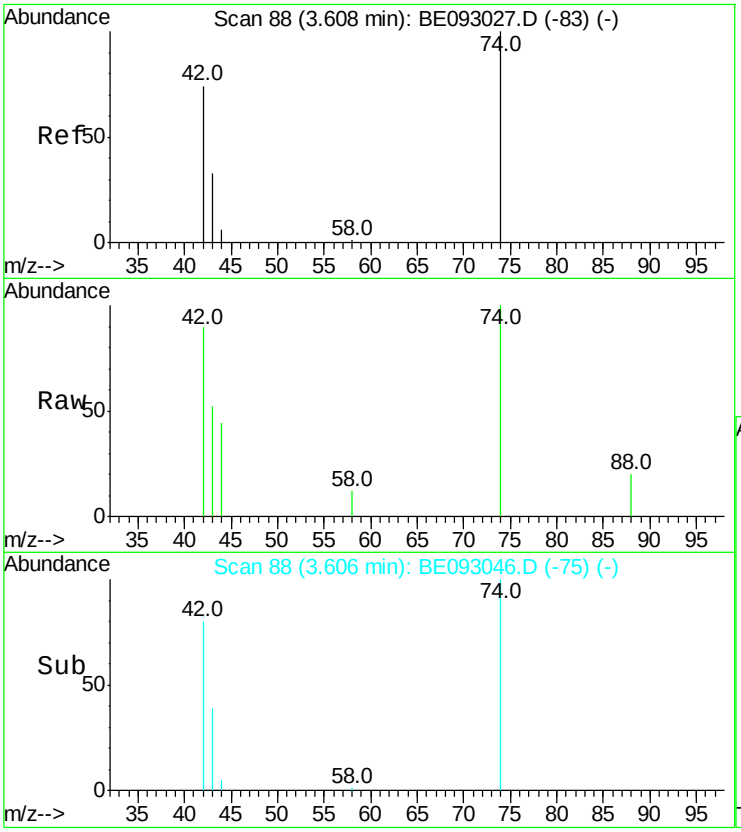


#2
1,4-Dioxane
Concen: 0.35 ng
RT: 3.31 min Scan# 62
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion: 88 Resp: 649

Ion	Ratio	Lower	Upper
88	100		
58	76.4	62.2	93.4
43	31.6	23.2	34.8



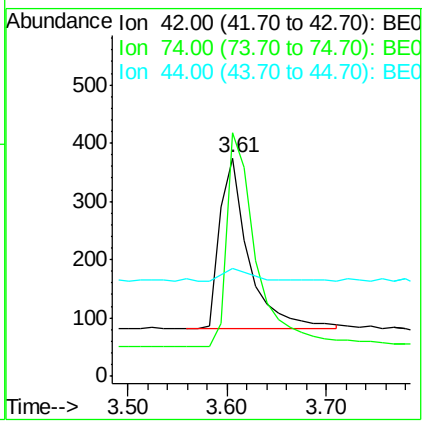


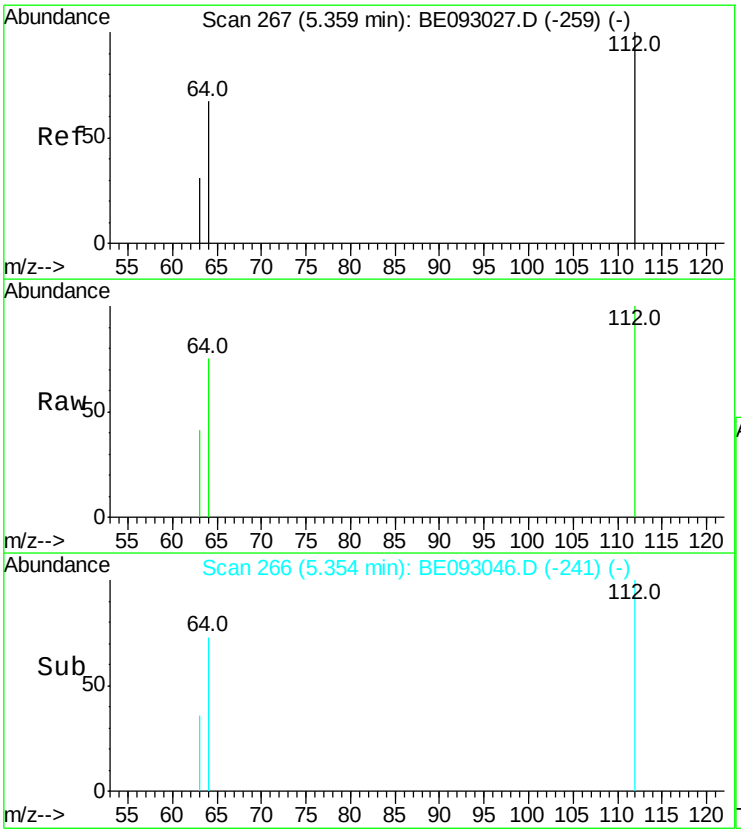
#3
n-Nitrosodimethylamine
Concen: 0.36 ng
RT: 3.61 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 600

Ion	Ratio	Lower	Upper
42	100		
74	126.3	99.1	148.7
44	6.8	7.4	11.2#

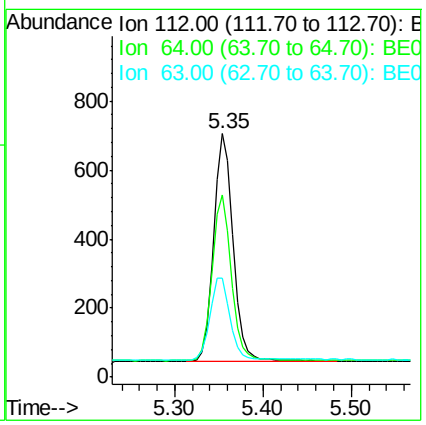


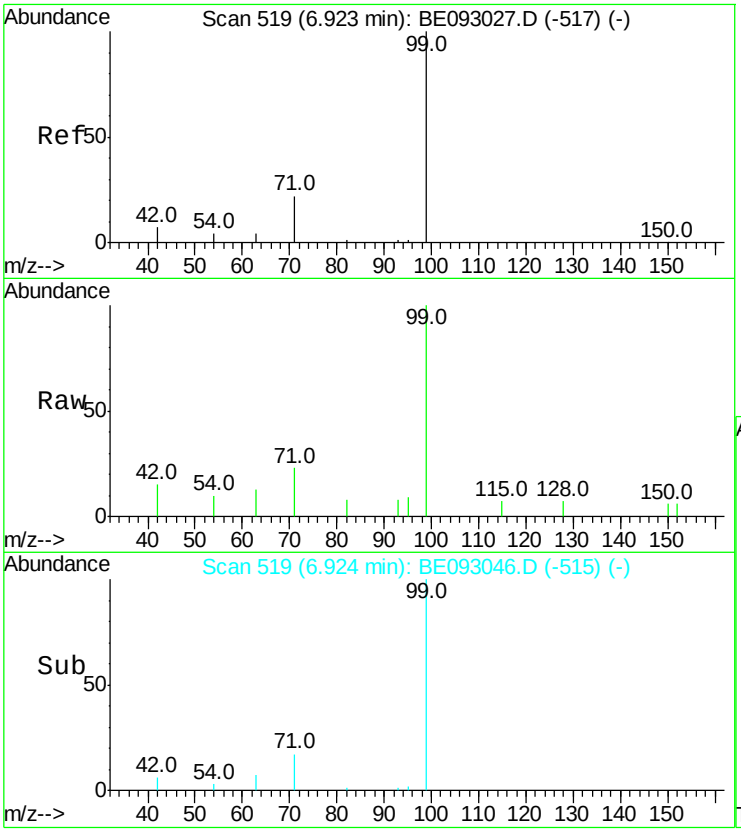


#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.35 min Scan# 266
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:112 Resp: 1016

Ion	Ratio	Lower	Upper
112	100		
64	71.8	56.4	84.6
63	37.6	29.3	43.9



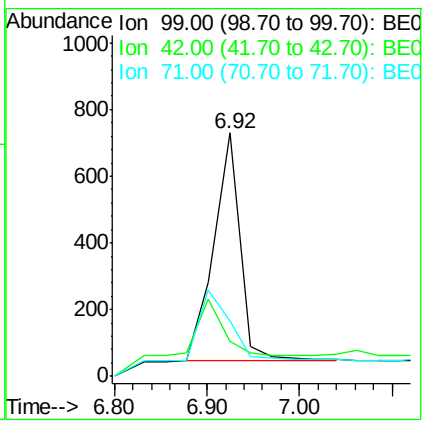


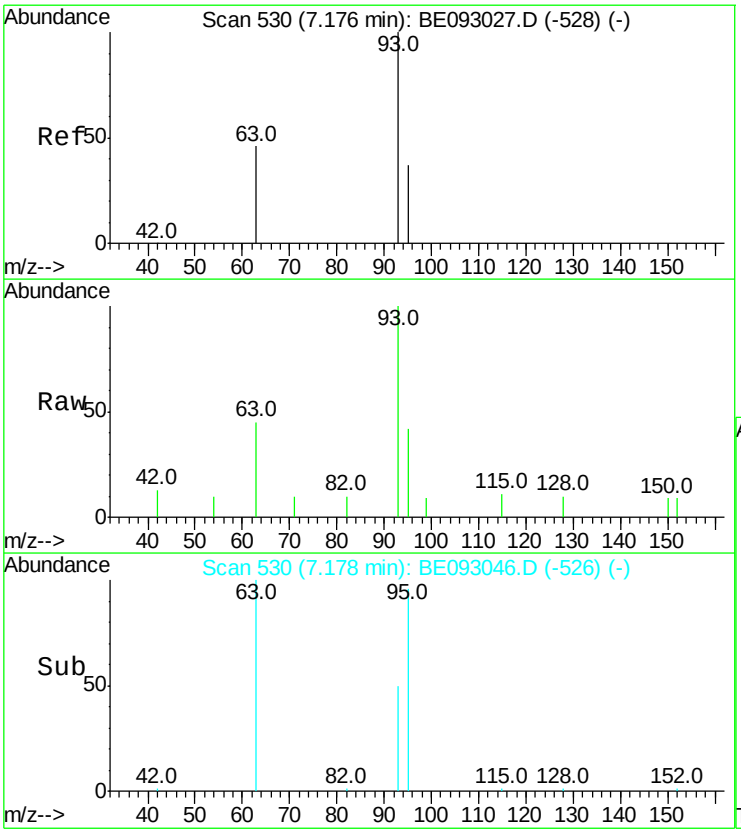
#5
Phenol-d6
Concen: 0.36 ng
RT: 6.92 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1371

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

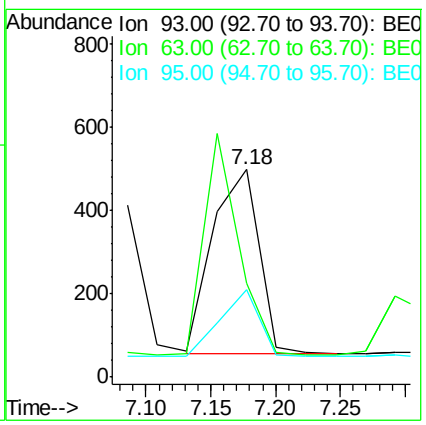


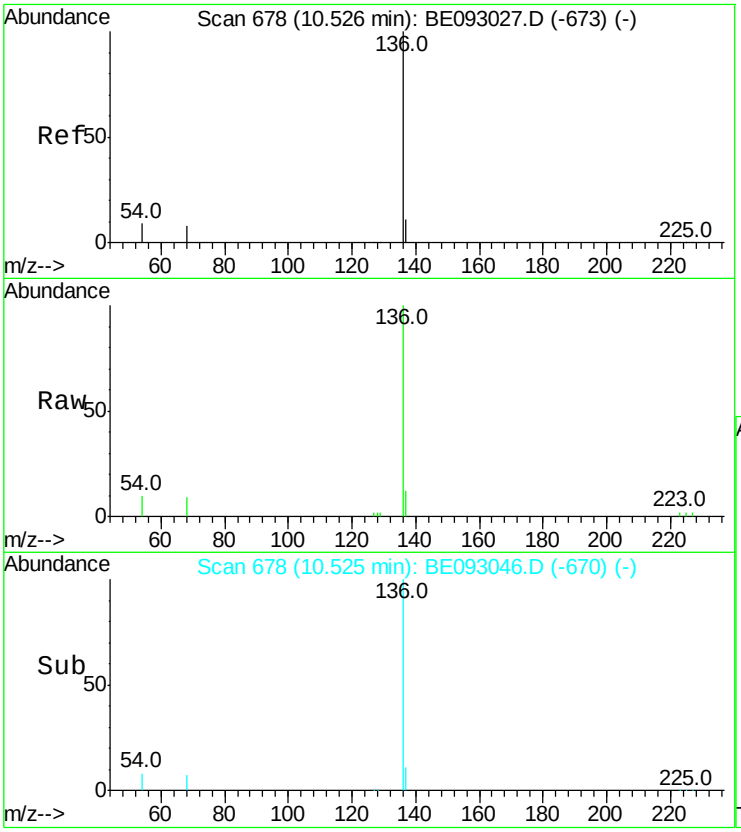


#6
bis(2-Chloroethyl)ether
Concen: 0.36 ng
RT: 7.18 min Scan# 530
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion: 93 Resp: 1111

Ion	Ratio	Lower	Upper
93	100		
63	0.0	0.0	0.0
95	31.1	25.4	38.0



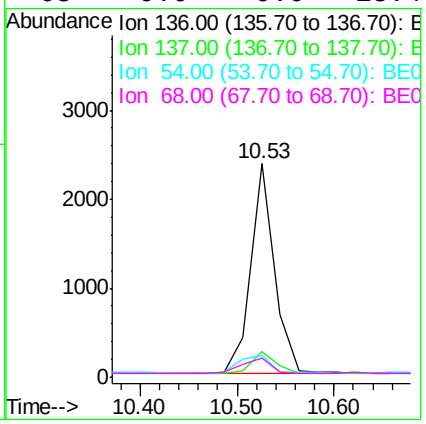


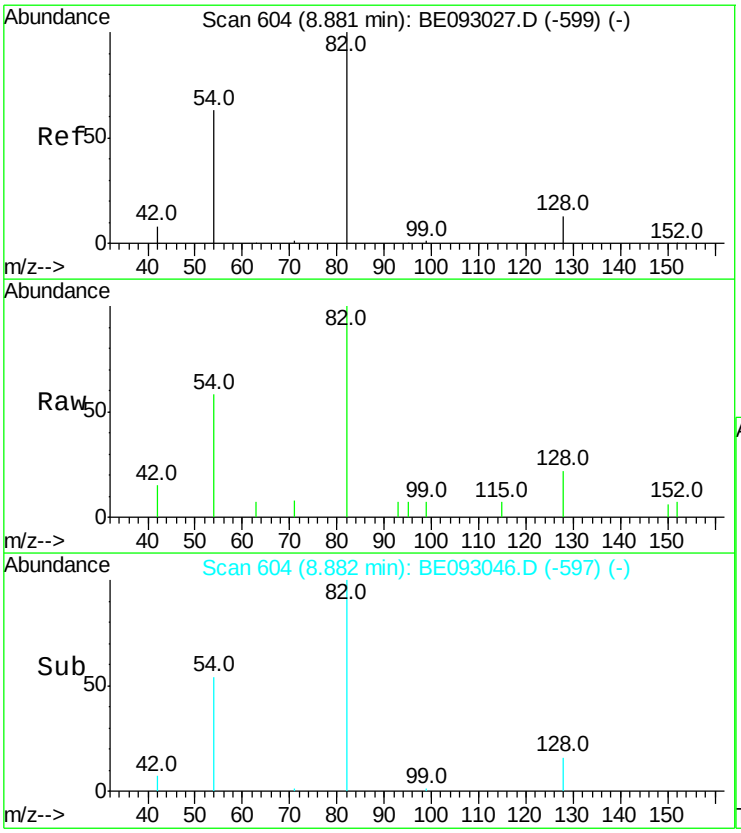
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.53 min Scan# 678
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 3972

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	10.2	10.3	15.5#
68	9.0	9.0	13.4

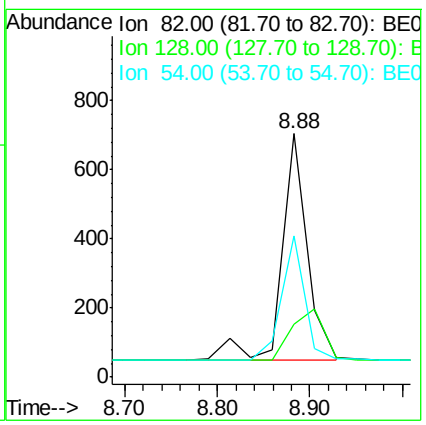


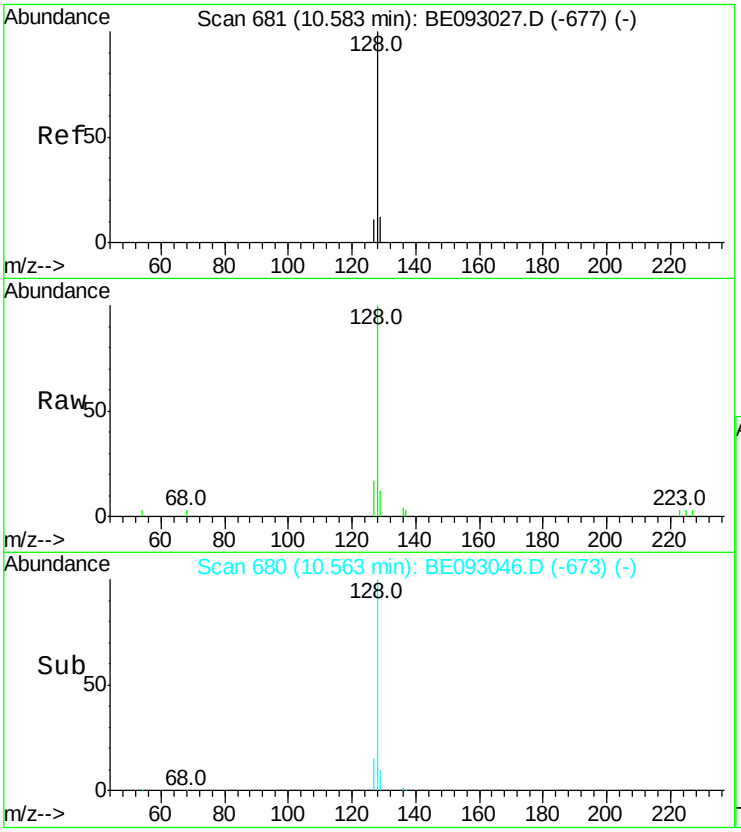


#8
Nitrobenzene-d5
Concen: 0.36 ng
RT: 8.88 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion: 82 Resp: 1265

Ion	Ratio	Lower	Upper
82	100		
128	21.7	17.0	25.4
54	57.9	53.8	80.6



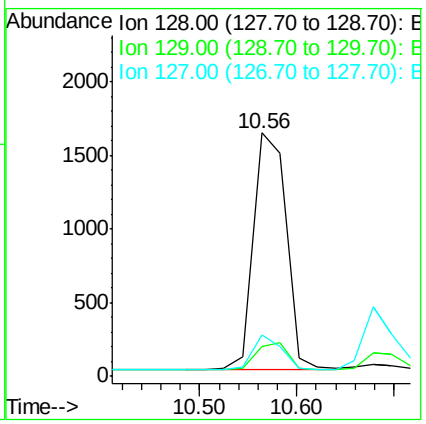


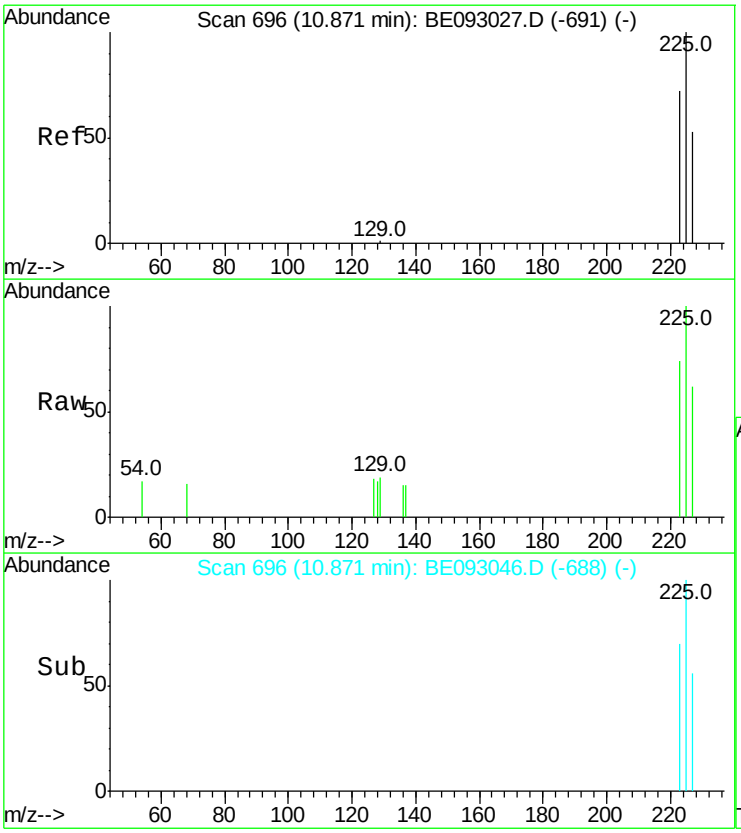
#9
Naphthalene
Concen: 0.36 ng
RT: 10.56 min Scan# 680
Delta R.T. -0.02 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 3736

Ion	Ratio	Lower	Upper
128	100		
129	12.5	11.4	17.0
127	16.9	11.2	16.8#

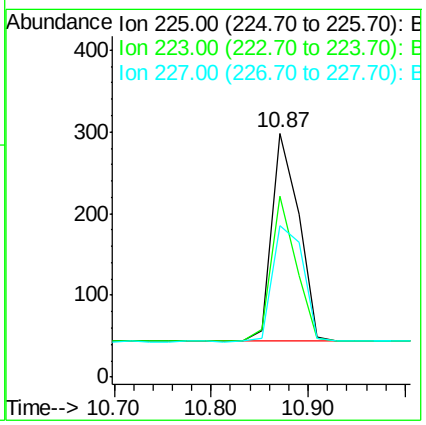


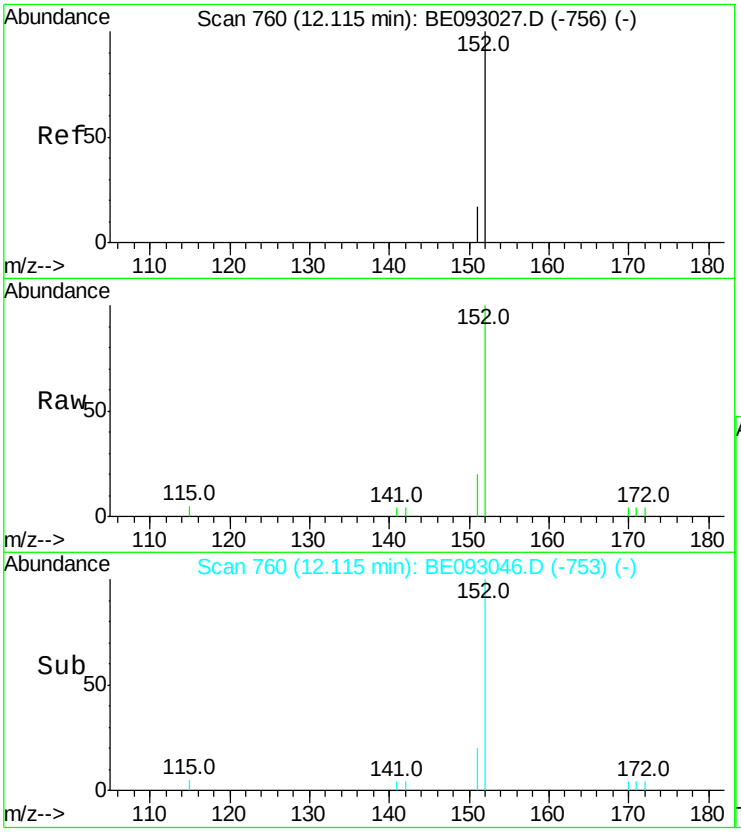


#10
Hexachlorobutadiene
Concen: 0.36 ng
RT: 10.87 min Scan# 696
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:225 Resp: 492

Ion	Ratio	Lower	Upper
225	100		
223	64.6	49.7	74.5
227	65.4	50.3	75.5



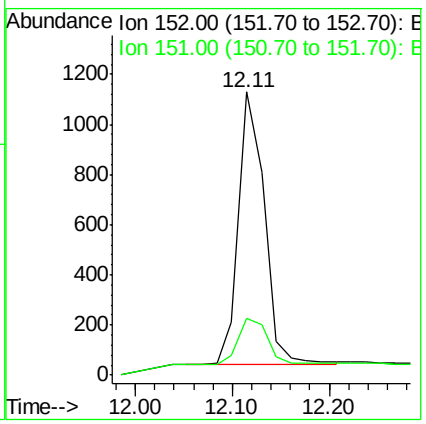


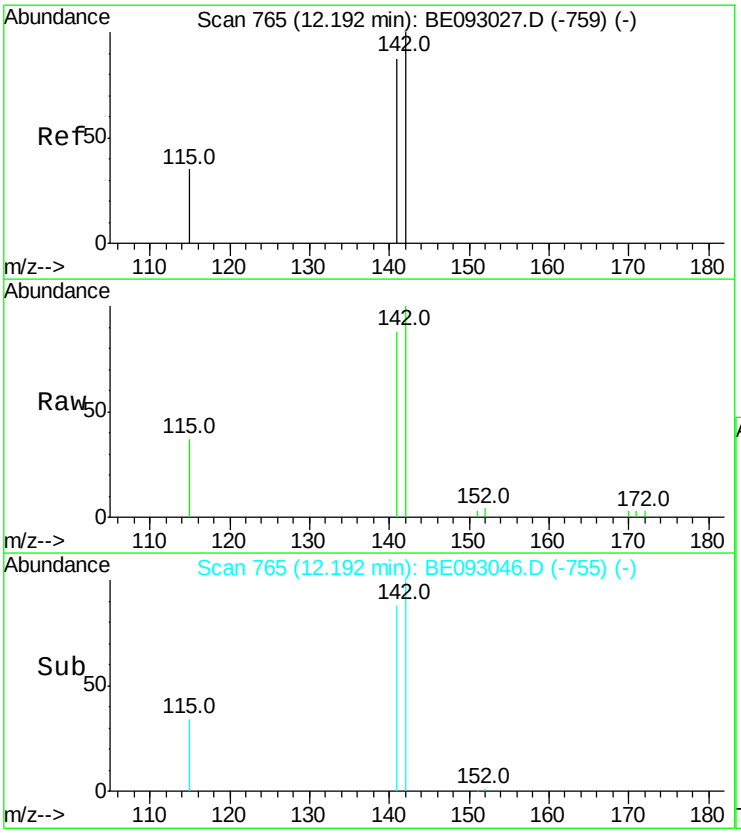
#11
2-Methylnaphthalene-d10
Concen: 0.34 ng
RT: 12.11 min Scan# 760
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1990

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.1	22.7

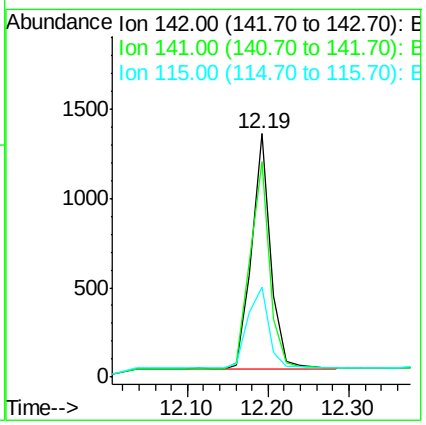


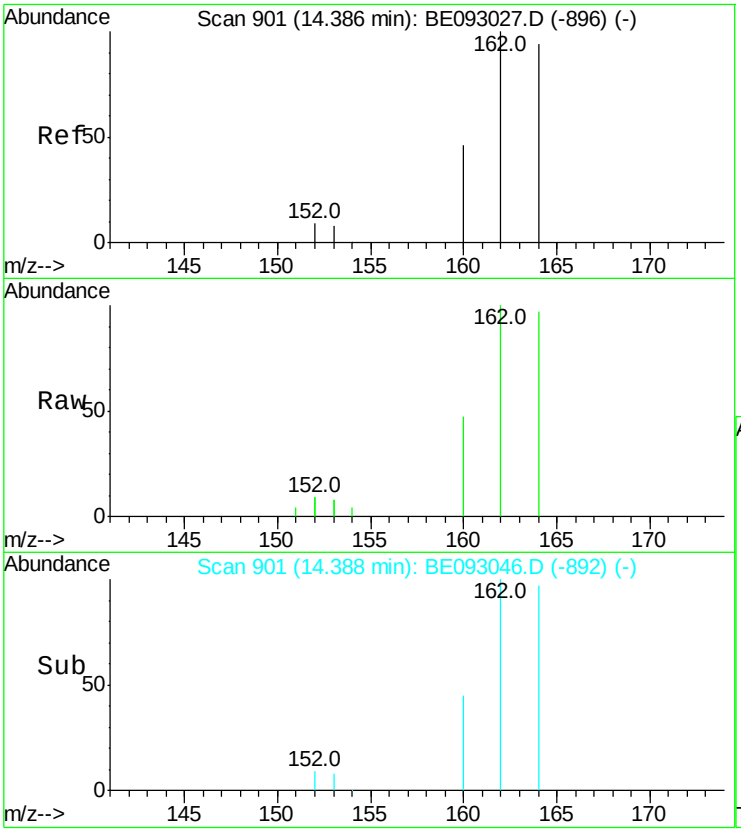


#12
2-Methylnaphthalene
Concen: 0.34 ng
RT: 12.19 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:142 Resp: 2178

Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.6	108.8
115	36.8	32.2	48.2



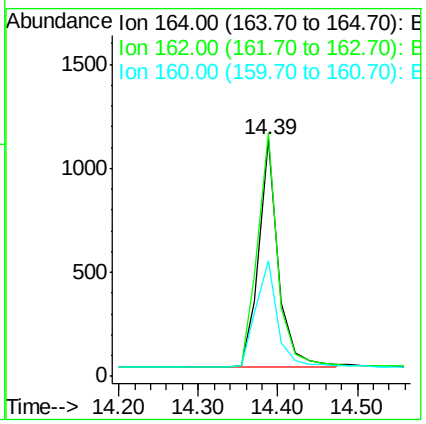


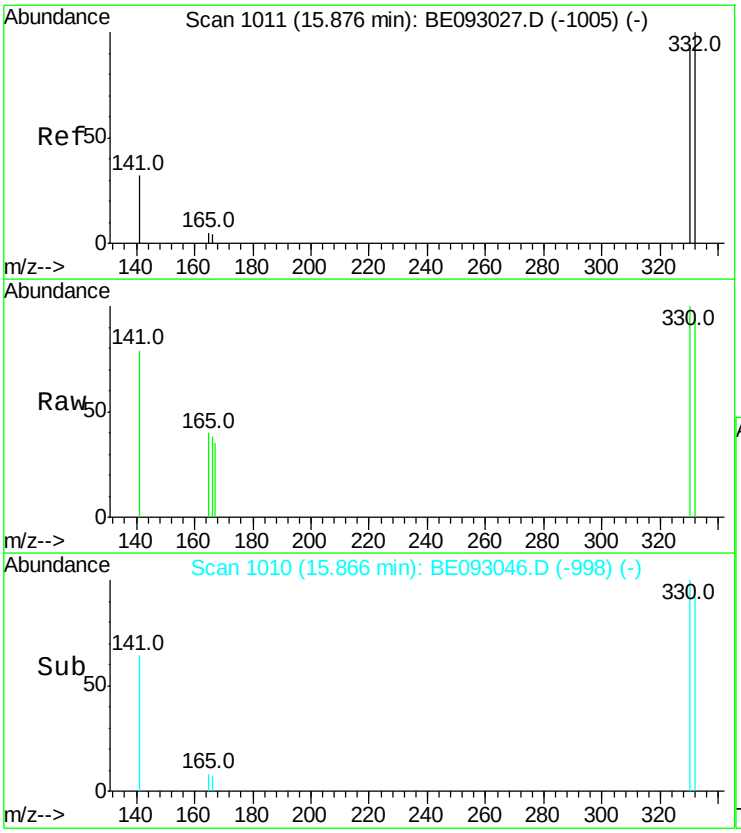
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1890

Ion	Ratio	Lower	Upper
164	100		
162	102.8	84.6	127.0
160	48.6	41.8	62.6

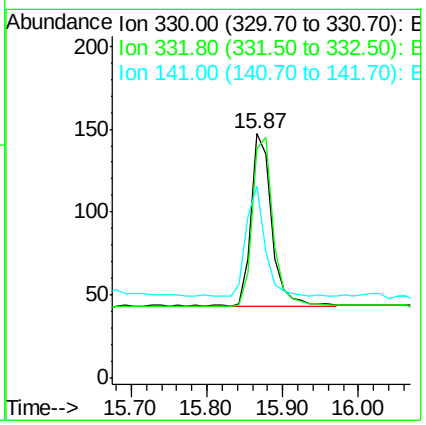


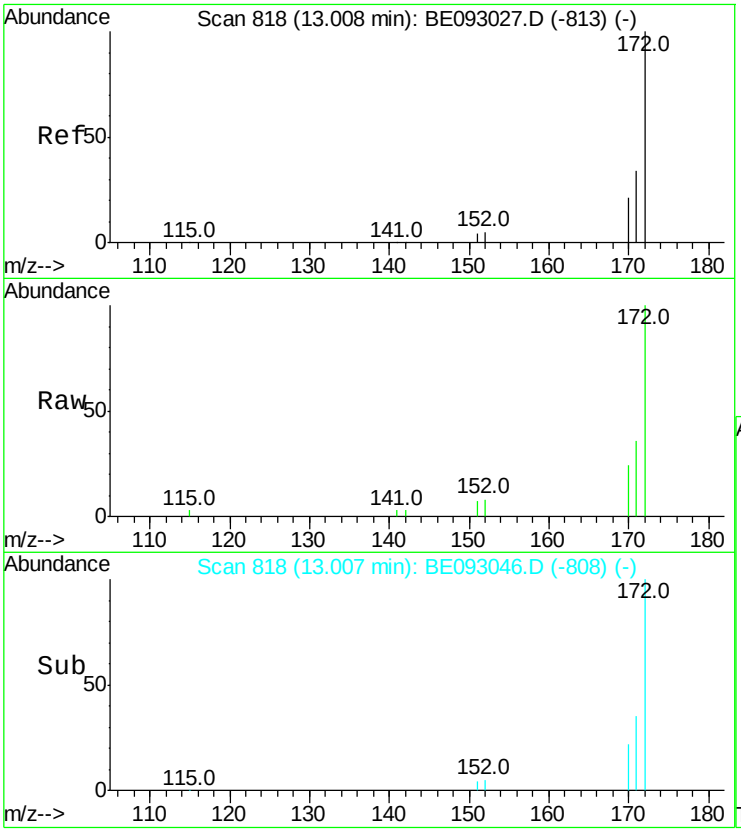


#14
2,4,6-Tribromophenol
Concen: 0.35 ng
RT: 15.87 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:330 Resp: 198

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.7	116.5
141	57.1	56.2	84.4



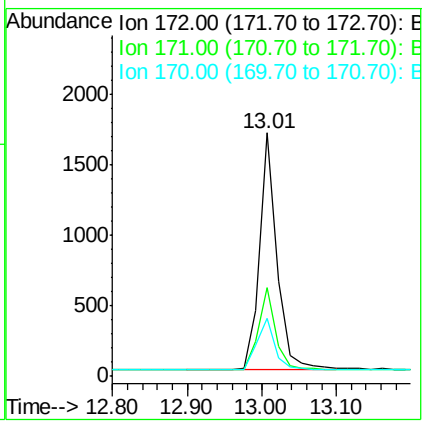


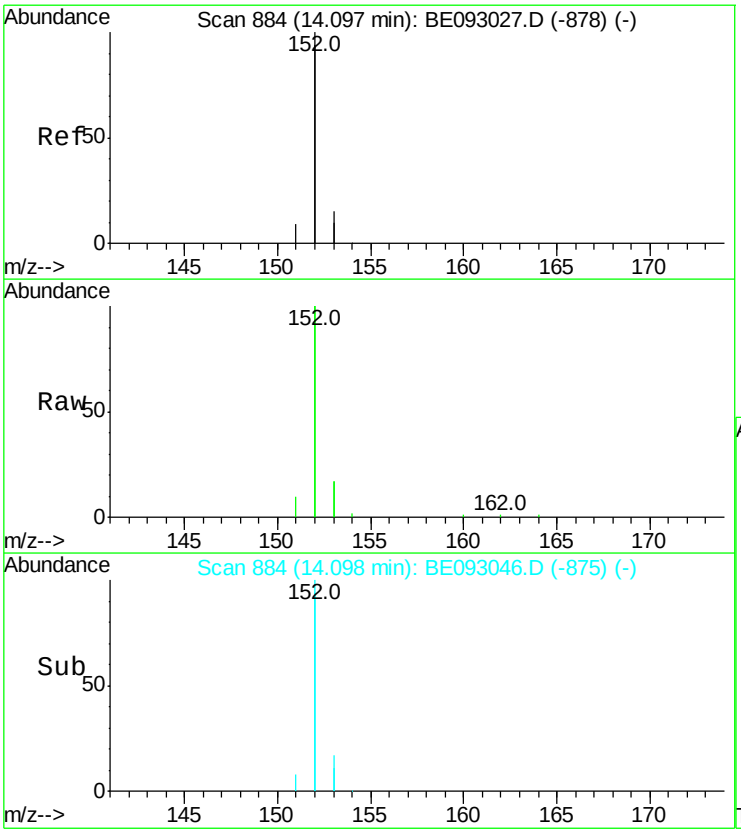
#15
2-Fluorobiphenyl
Concen: 0.35 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2729

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	23.8	20.7	31.1

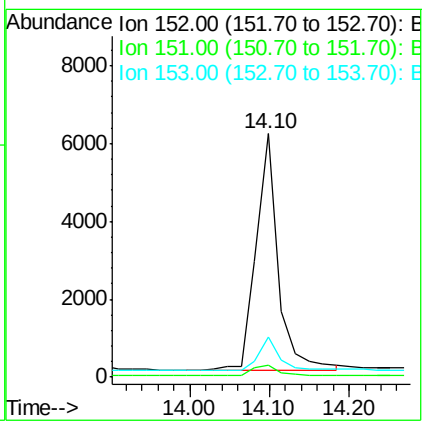


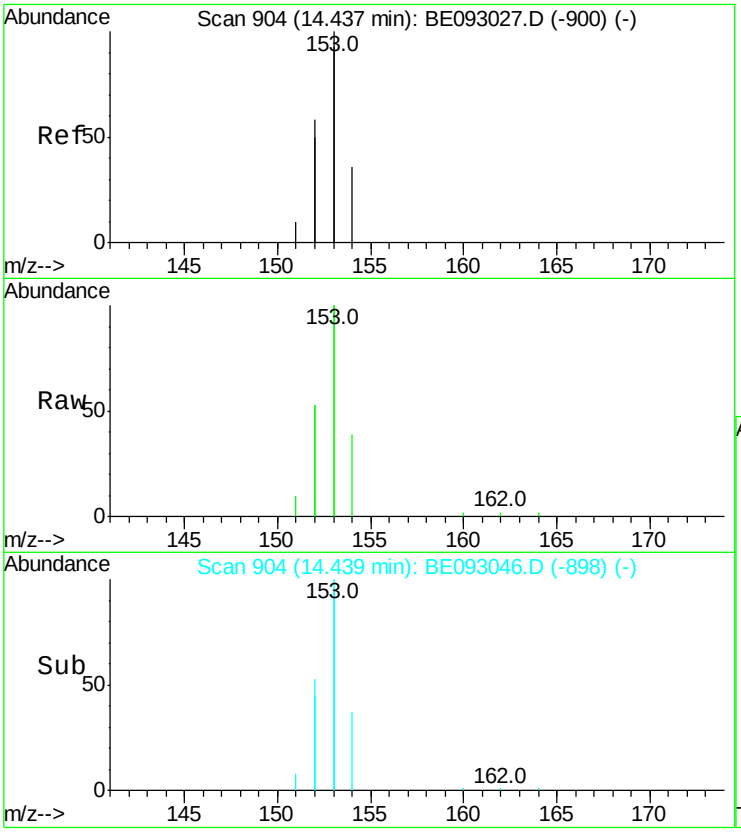


#16
Acenaphthylene
Concen: 0.35 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:152 Resp: 11647

Ion	Ratio	Lower	Upper
152	100		
151	4.9	4.0	6.0
153	13.2	10.3	15.5



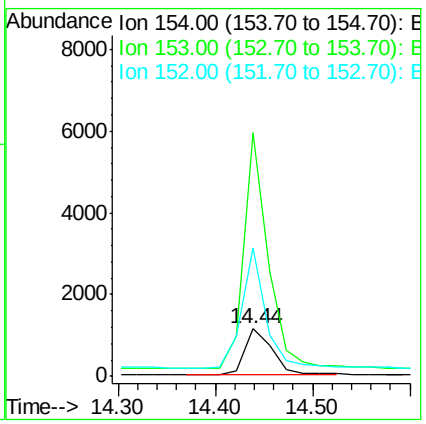


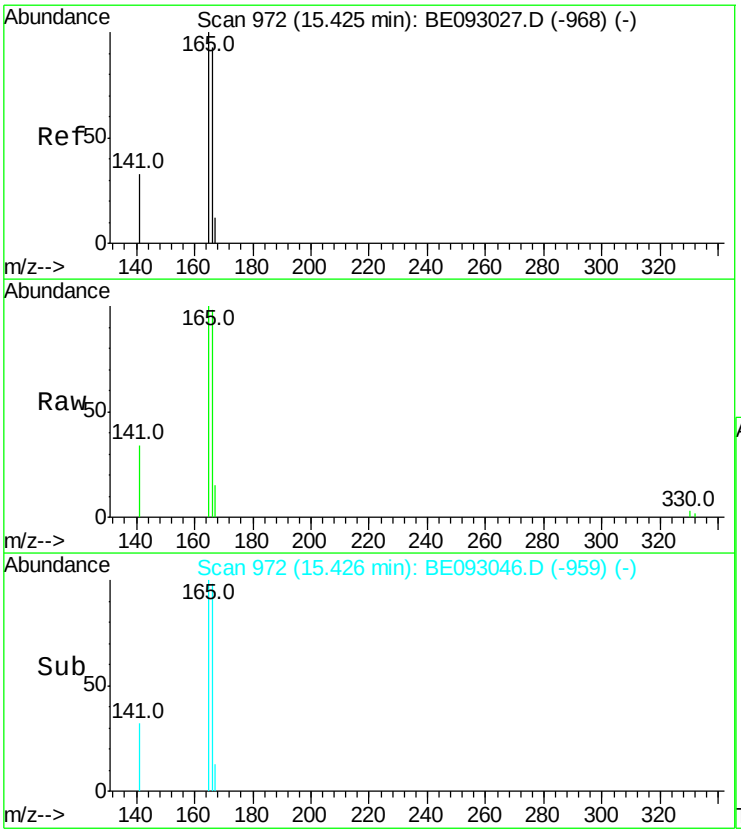
#17
Acenaphthene
Concen: 0.36 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2135

Ion	Ratio	Lower	Upper
154	100		
153	467.1	367.8	551.6
152	232.9	188.2	282.2

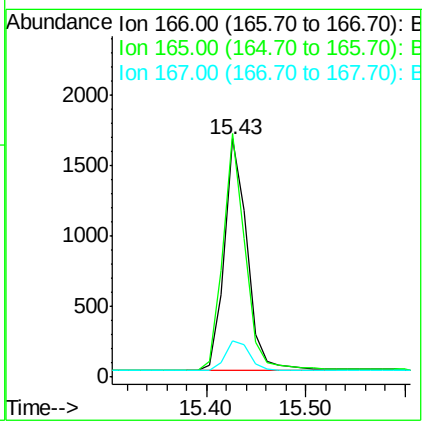


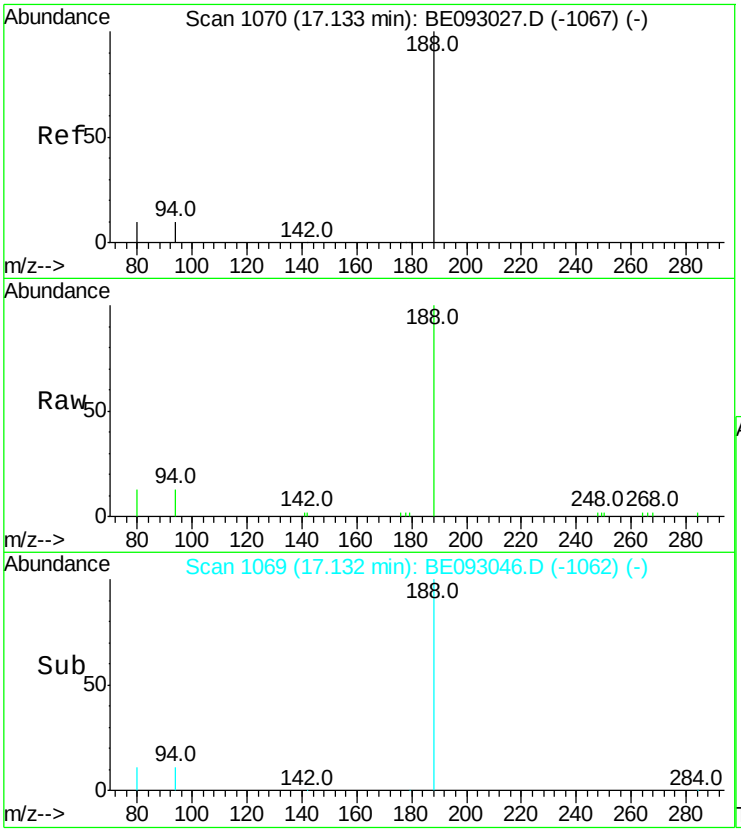


#18
Fluorene
Concen: 0.36 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:166 Resp: 2636

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.6	117.8
167	14.2	11.1	16.7



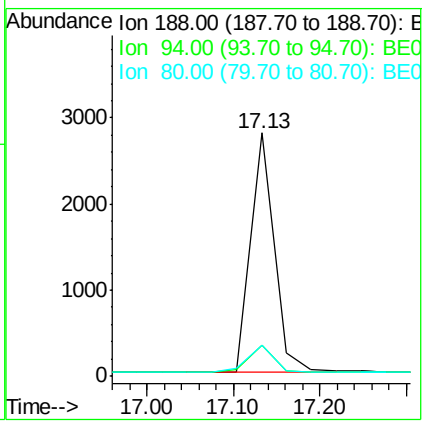


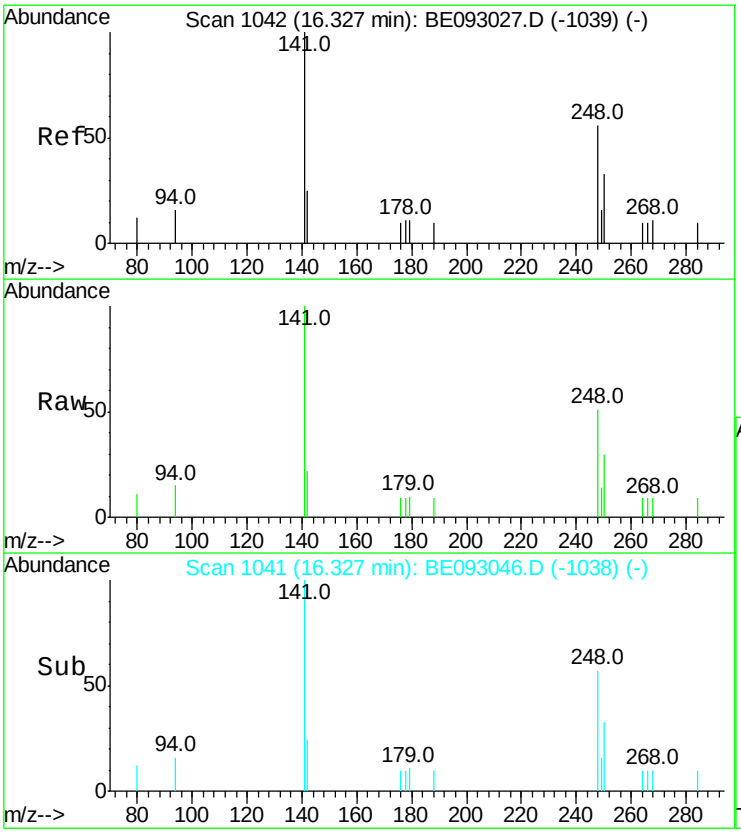
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 5310

Ion	Ratio	Lower	Upper
188	100		
94	12.7	11.3	16.9
80	12.7	11.7	17.5

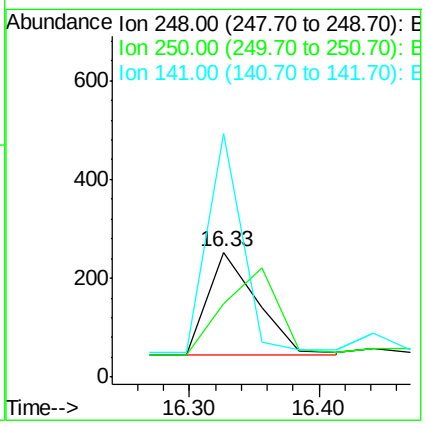


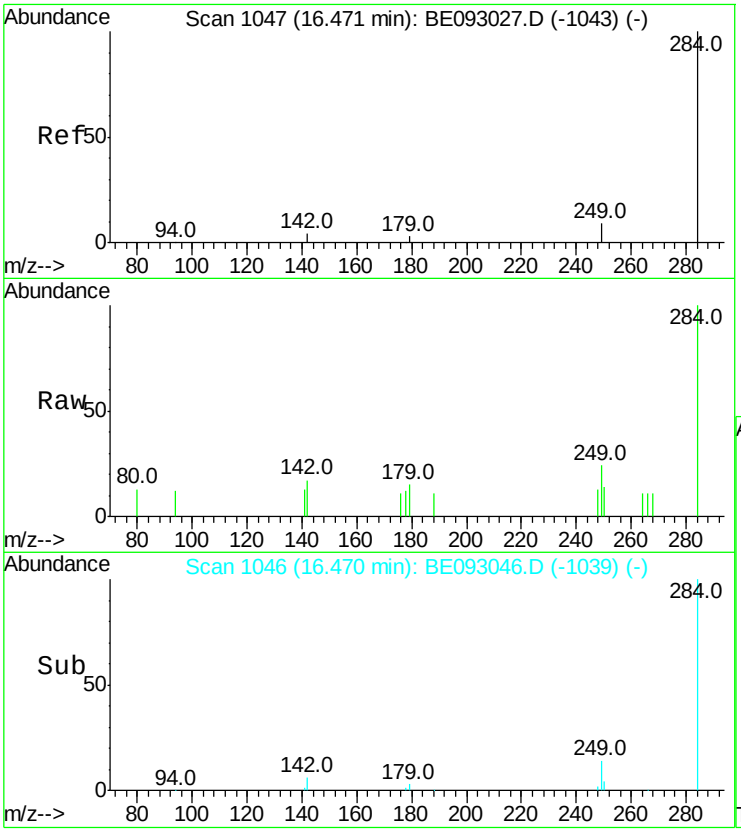


#20
4-Bromophenyl-phenylether
Concen: 0.33 ng
RT: 16.33 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:248 Resp: 549

Ion	Ratio	Lower	Upper
248	100		
250	58.9	100.0	150.0#
141	194.9	40.0	60.0#



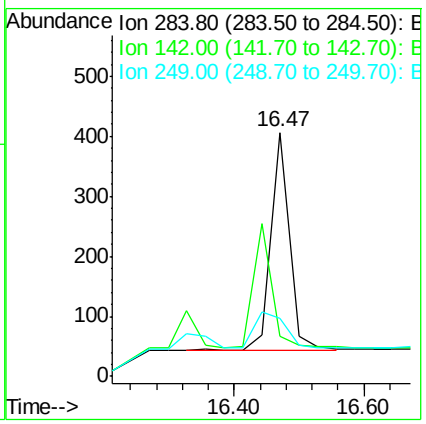


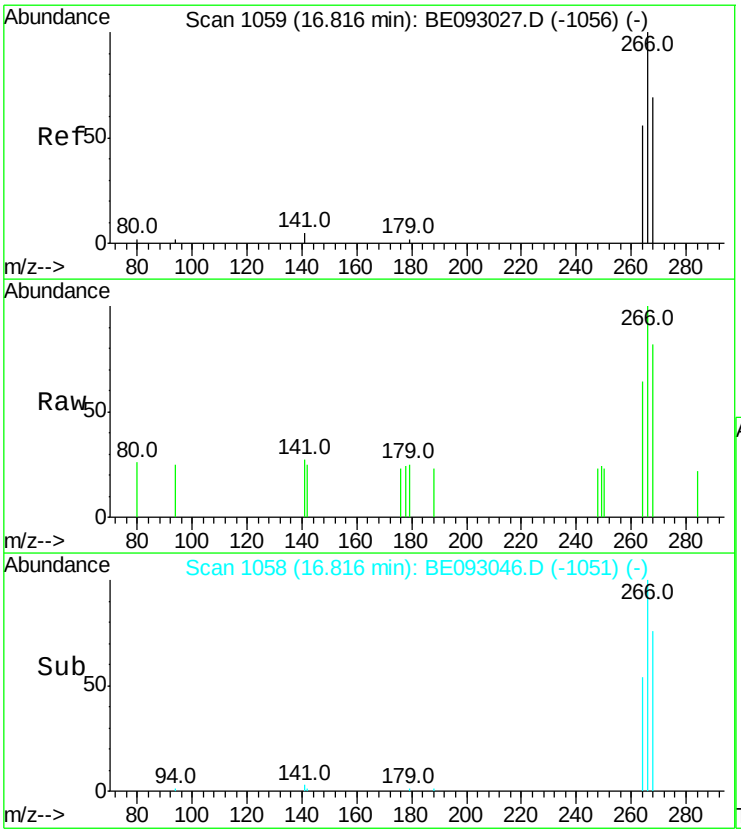
#21
Hexachlorobenzene
Concen: 0.28 ng
RT: 16.47 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 722

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

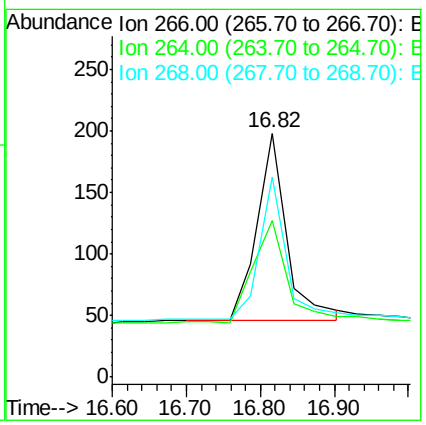


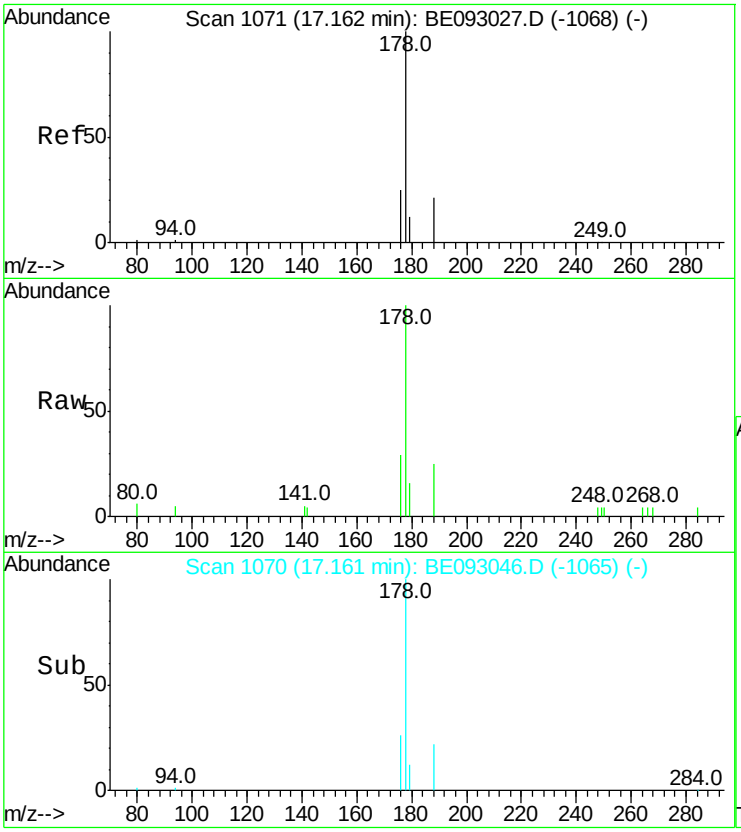


#22
Pentachlorophenol
Concen: 0.69 ng
RT: 16.82 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:266 Resp: 423

Ion	Ratio	Lower	Upper
266	100		
264	64.1	58.2	87.2
268	82.3	71.9	107.9



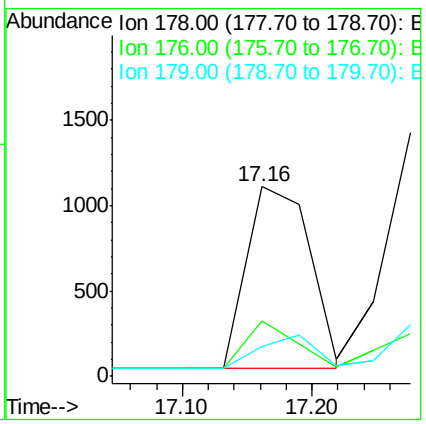


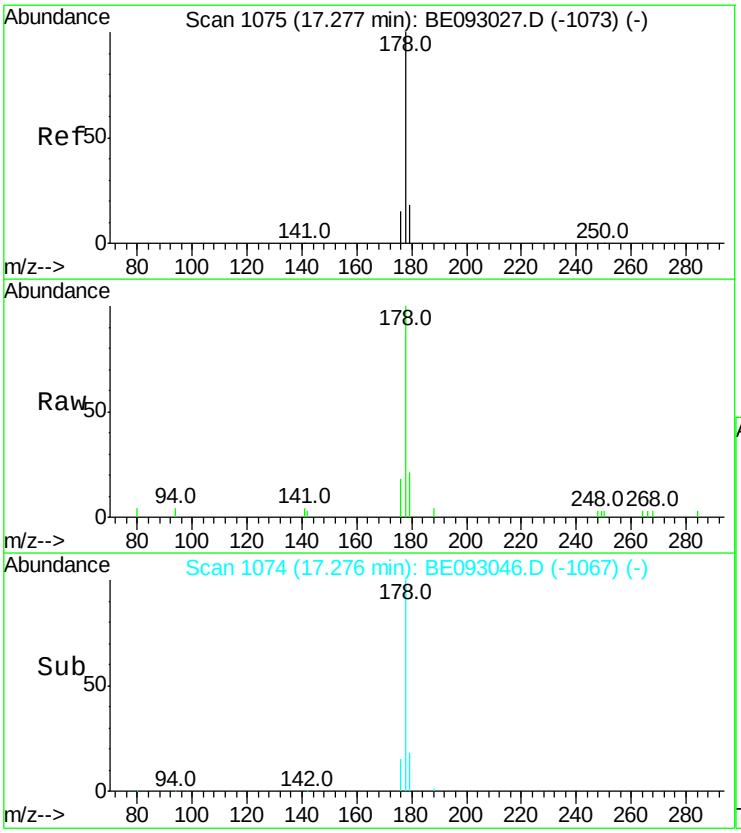
#23
Phenanthrene
Concen: 0.30 ng
RT: 17.16 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 3592

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.0	22.4
179	0.0	12.7	19.1#

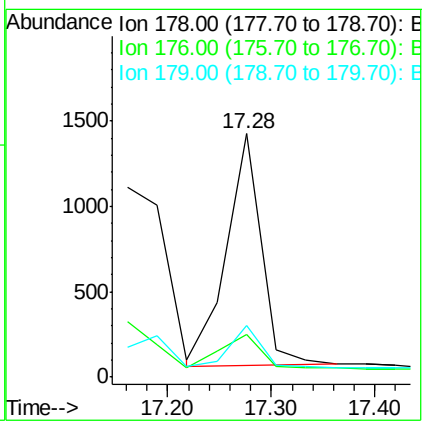


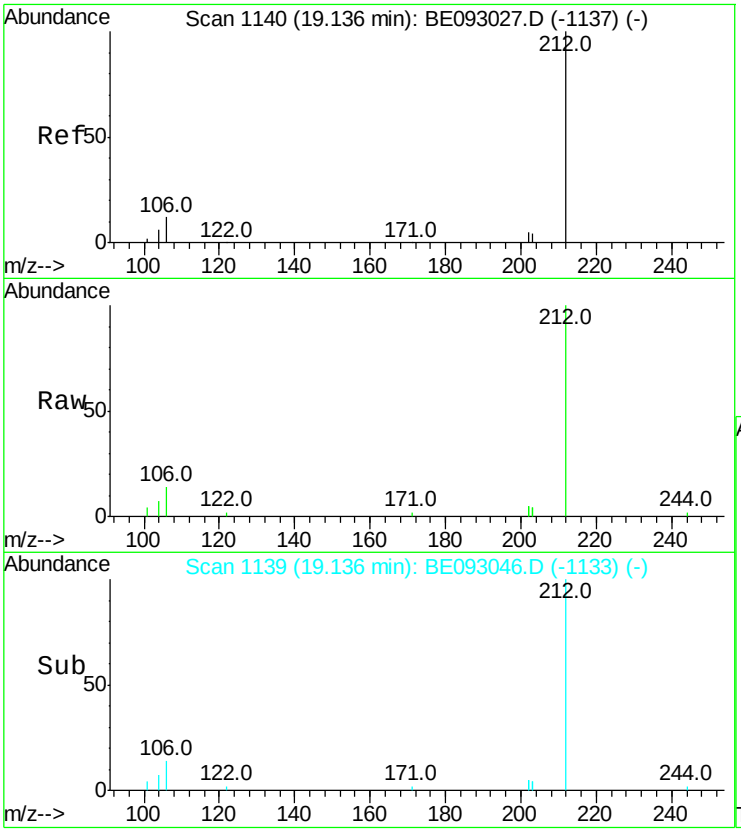


#24
Anthracene
Concen: 0.27 ng
RT: 17.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:178 Resp: 3195

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.6	22.0
179	16.6	12.0	18.0



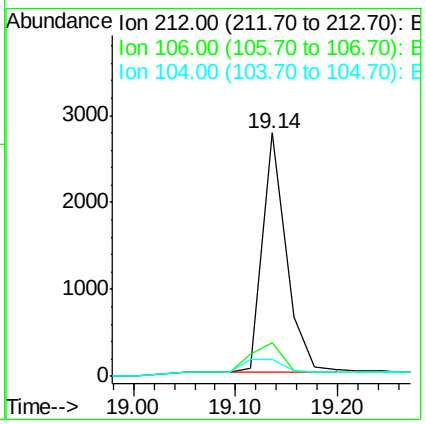


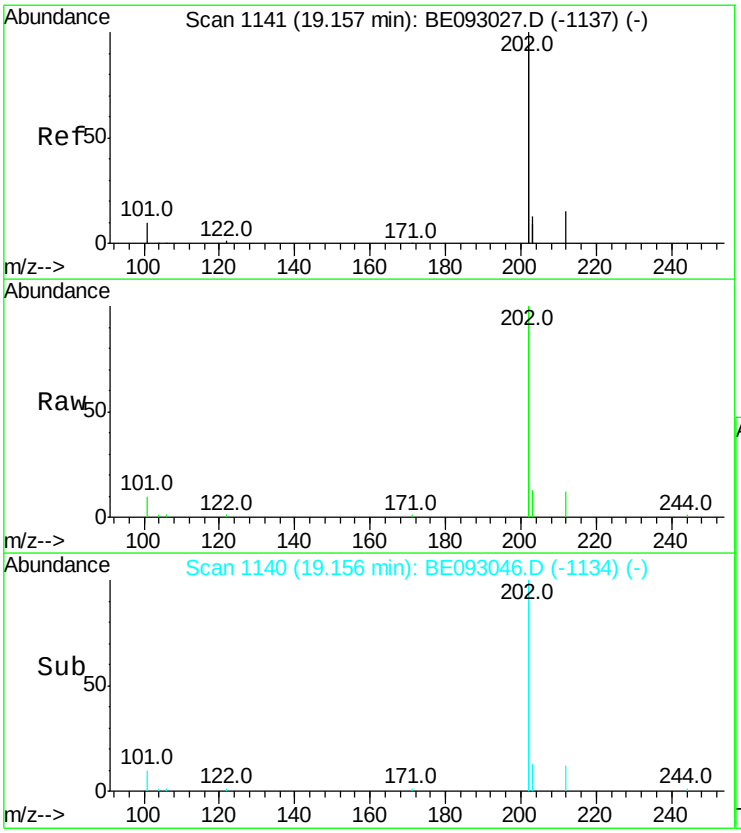
#25
Fluoranthene-d10
Concen: 0.32 ng
RT: 19.14 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 4423

Ion	Ratio	Lower	Upper
212	100		
106	16.4	0.0	0.0#
104	8.5	0.0	0.0#

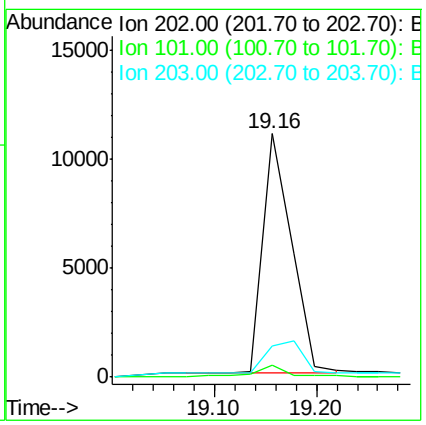


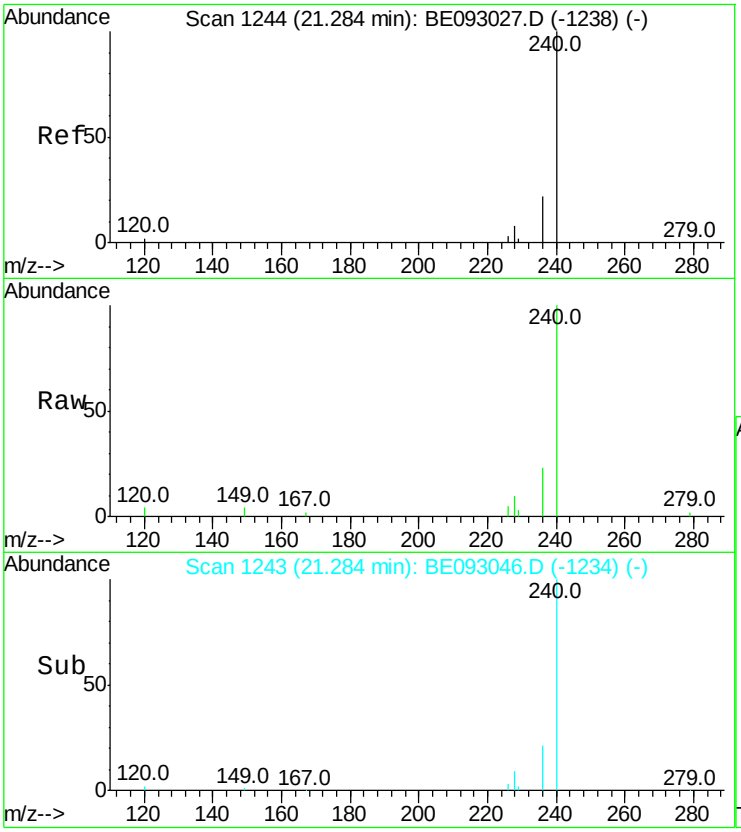


#26
Fluoranthene
Concen: 0.32 ng
RT: 19.16 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:202 Resp: 21232

Ion	Ratio	Lower	Upper
202	100		
101	3.6	0.0	0.0#
203	0.0	14.4	21.6#



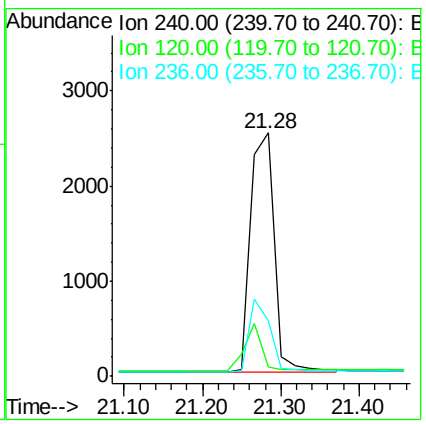


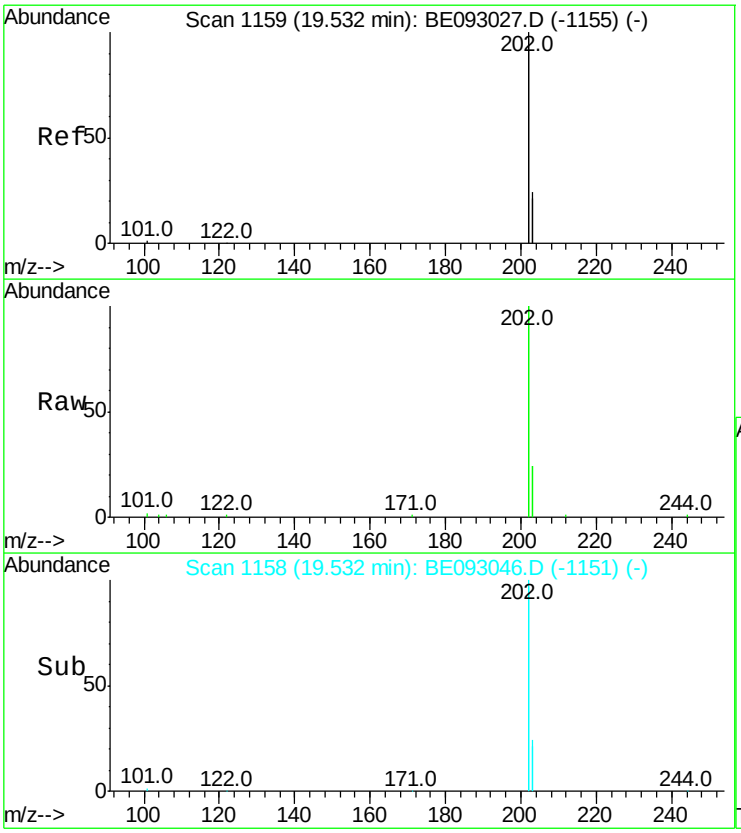
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 5322

Ion	Ratio	Lower	Upper
240	100		
120	4.0	4.6	7.0#
236	22.9	20.8	31.2

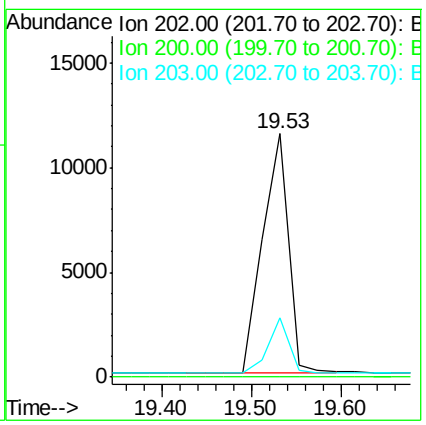


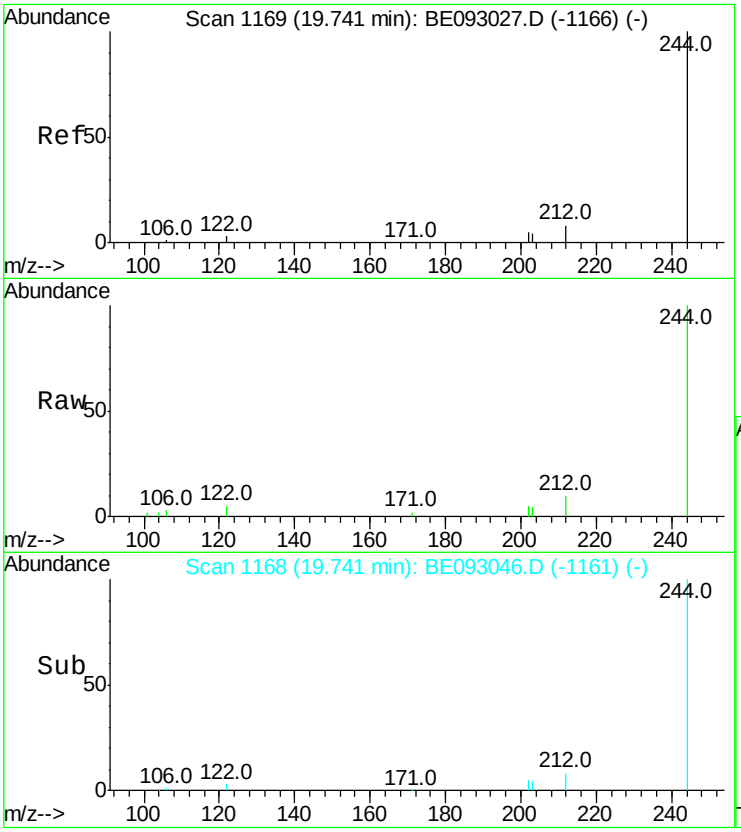


#28
Pyrene
Concen: 0.36 ng
RT: 19.53 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:202 Resp: 23065

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	18.4	13.7	20.5



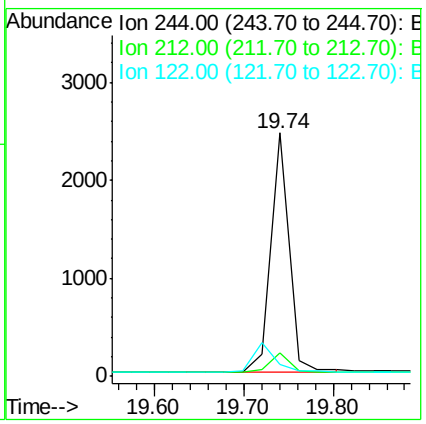


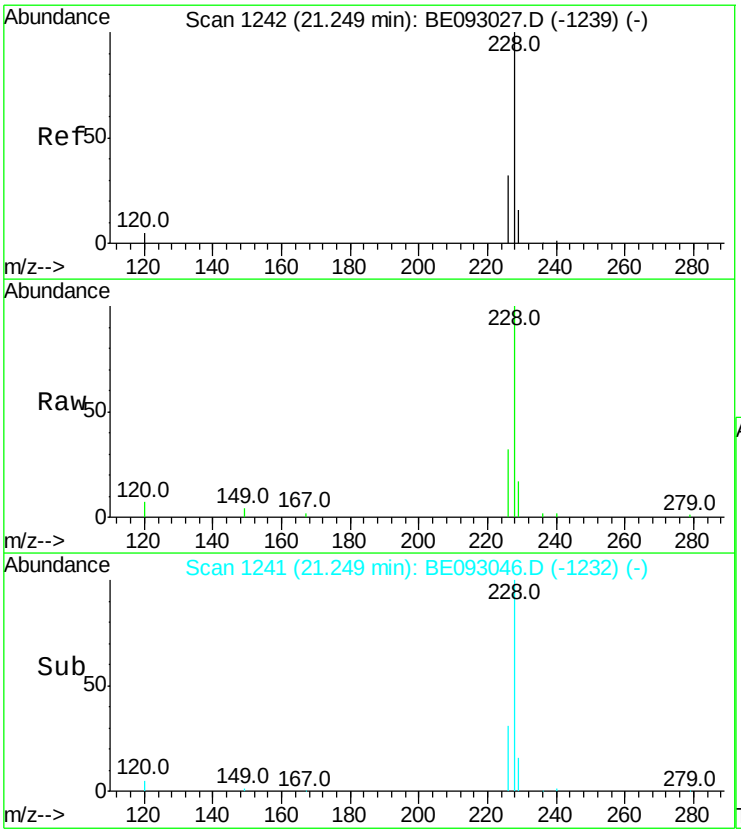
#29
Terphenyl-d14
Concen: 0.35 ng
RT: 19.74 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 3498

Ion	Ratio	Lower	Upper
244	100		
212	9.5	10.6	16.0#
122	5.0	15.4	23.0#

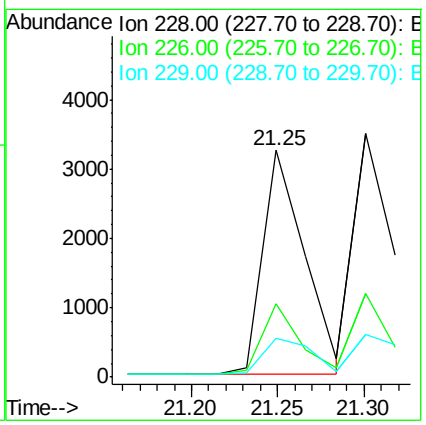


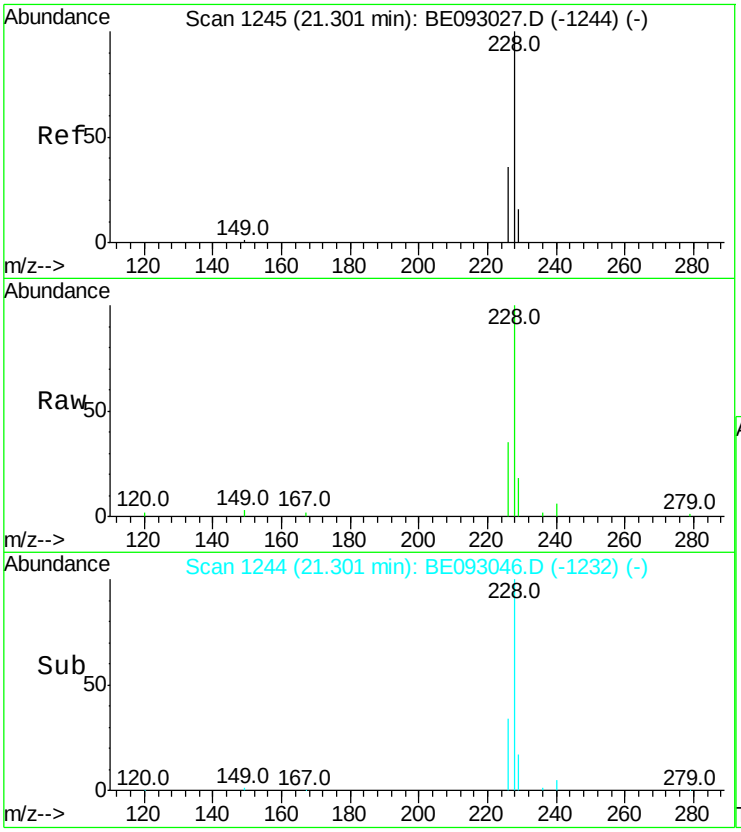


#30
Benzo(a)anthracene
Concen: 0.38 ng
RT: 21.25 min Scan# 1241
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:228 Resp: 5429

Ion	Ratio	Lower	Upper
228	100		
226	32.2	19.7	29.5#
229	17.3	19.2	28.8#



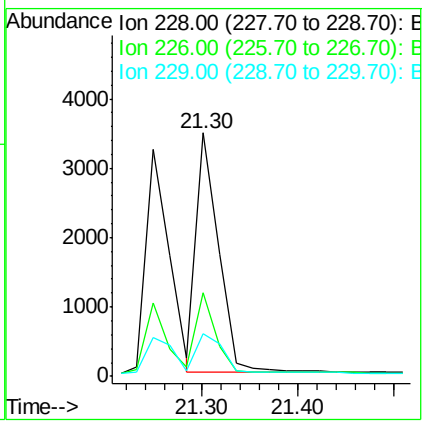


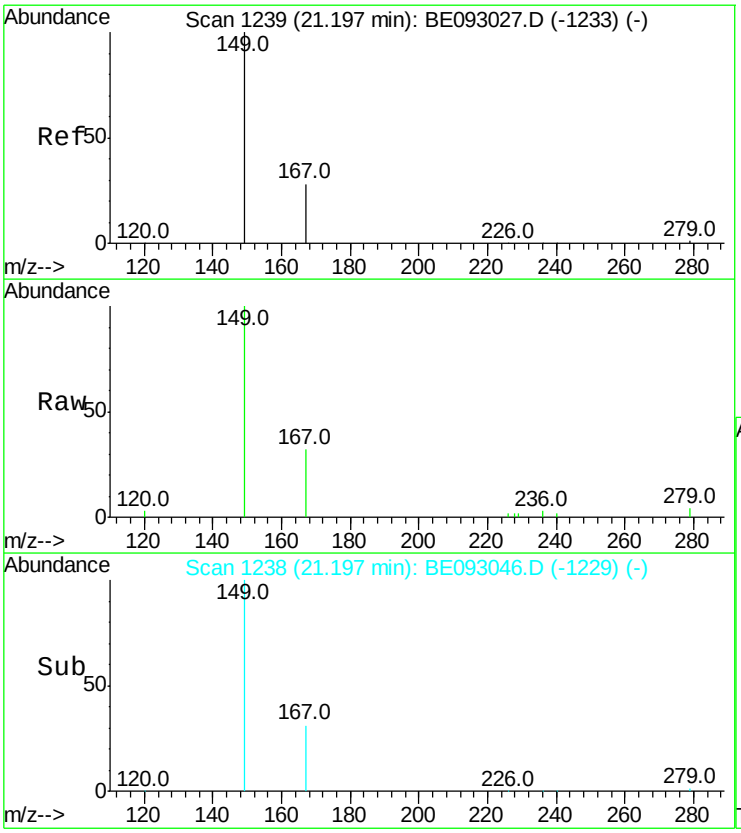
#31
Chrysene
Concen: 0.37 ng
RT: 21.30 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 5651

Ion	Ratio	Lower	Upper
228	100		
226	34.6	21.5	32.3#
229	17.7	18.6	28.0#

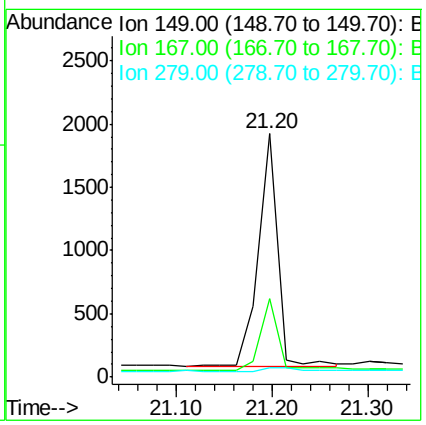


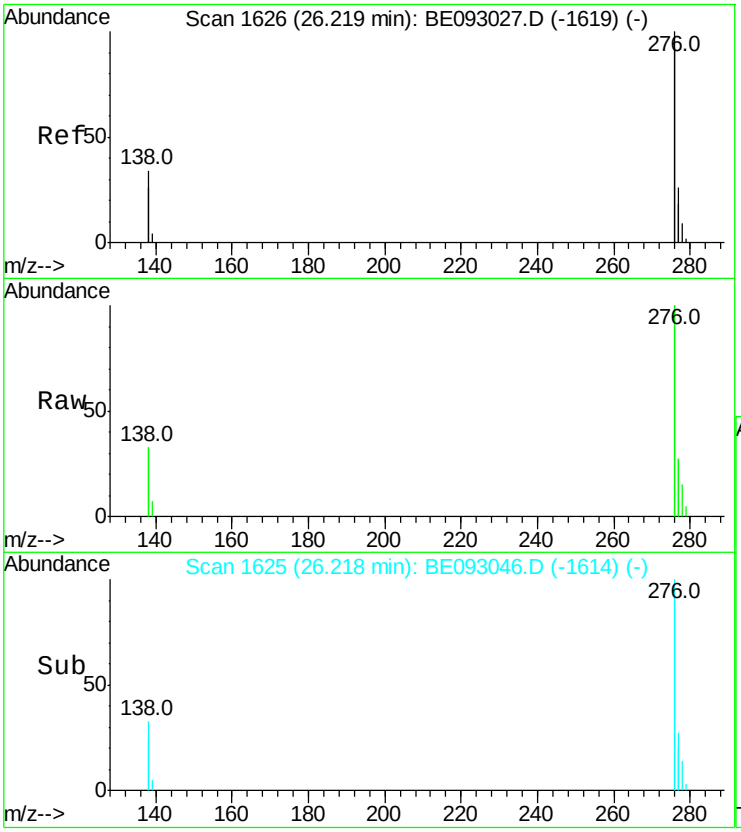


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.36 ng
RT: 21.20 min Scan# 1238
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:149 Resp: 2525

Ion	Ratio	Lower	Upper
149	100		
167	29.4	20.1	30.1
279	2.3	2.2	3.4



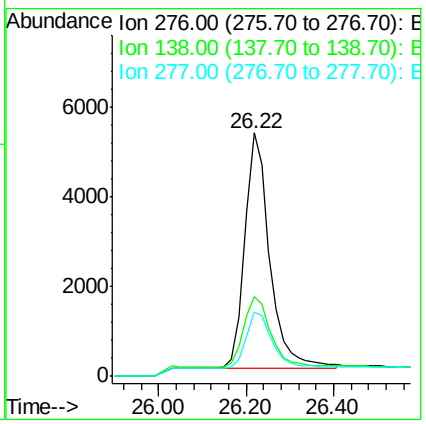


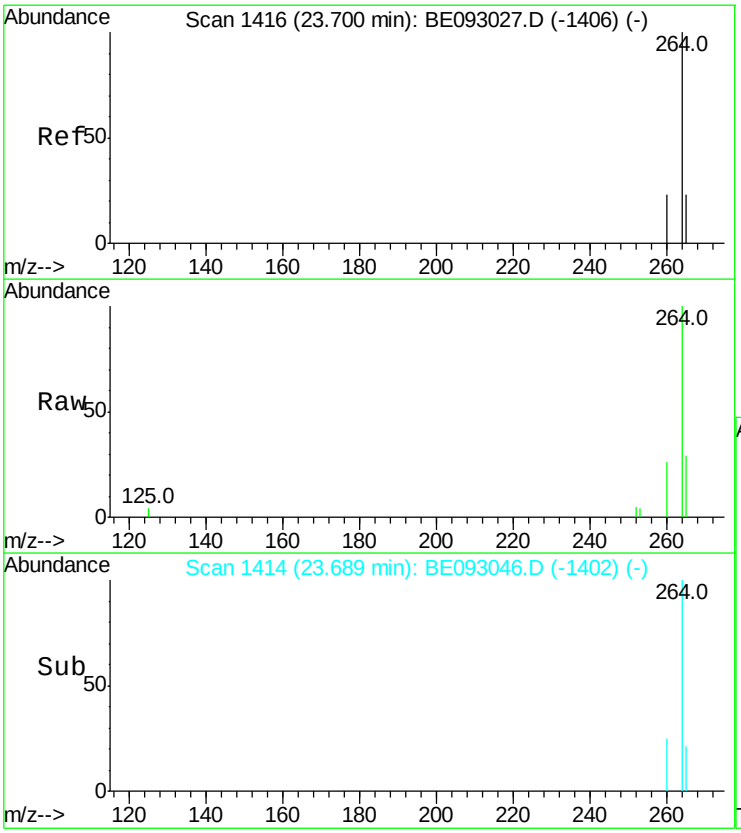
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.22 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 20796

Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.4	41.2
277	24.9	20.1	30.1

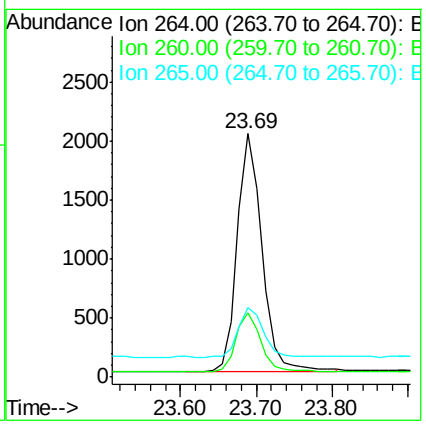


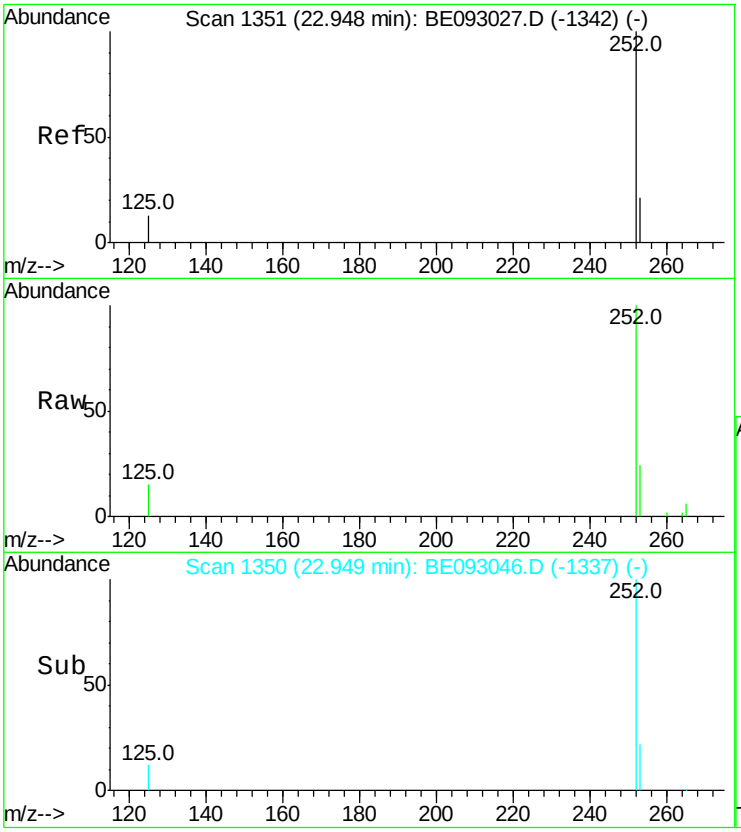


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.69 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:264 Resp: 4574

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.0	31.4
265	28.5	24.6	36.8



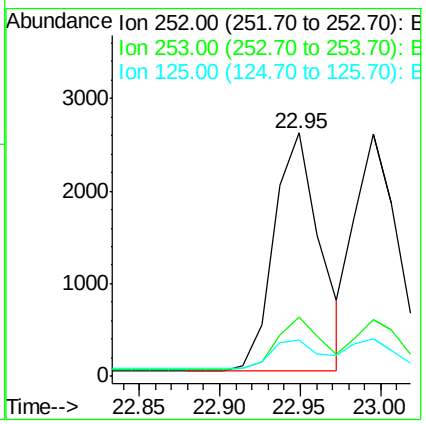


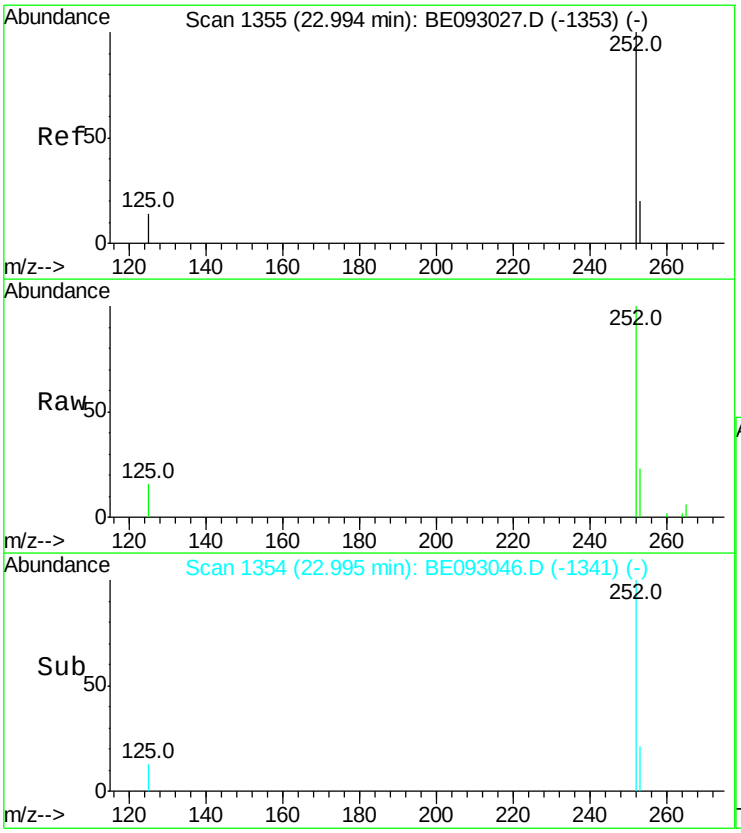
#35
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 22.95 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 5088

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	14.8	13.4	20.0

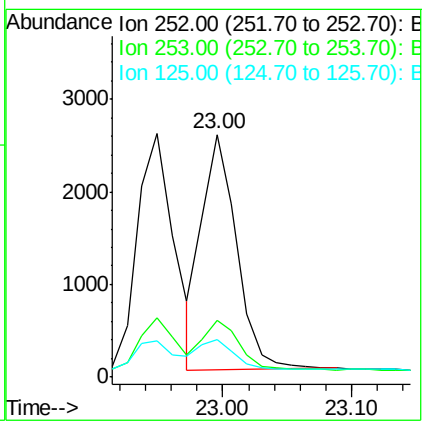


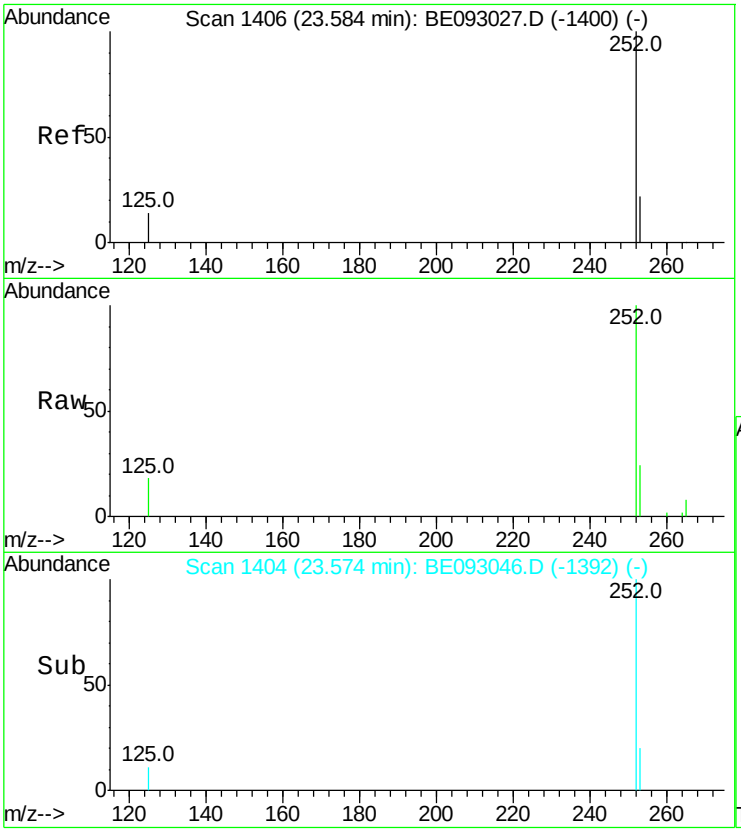


#36
Benzo(k)fluoranthene
Concen: 0.33 ng
RT: 23.00 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:252 Resp: 4734

Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.3	30.5
125	15.7	12.2	18.4



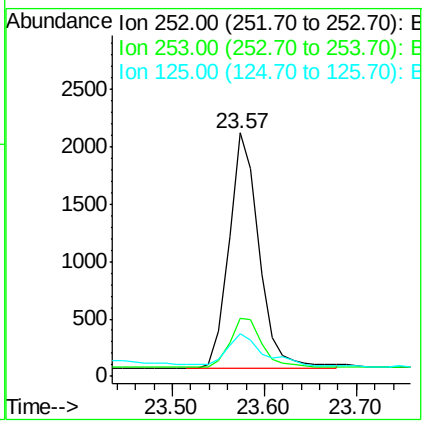


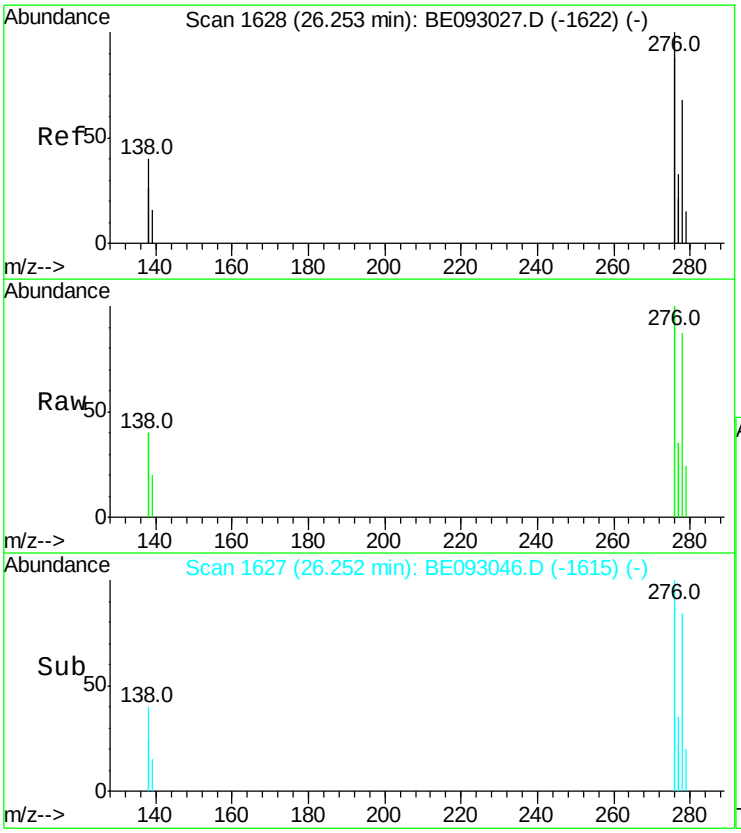
#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.57 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 4673

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.9	29.9
125	17.7	14.6	21.8

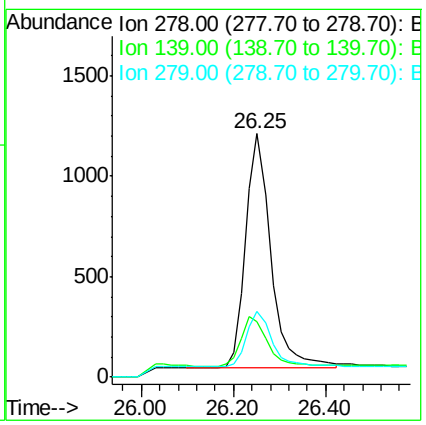


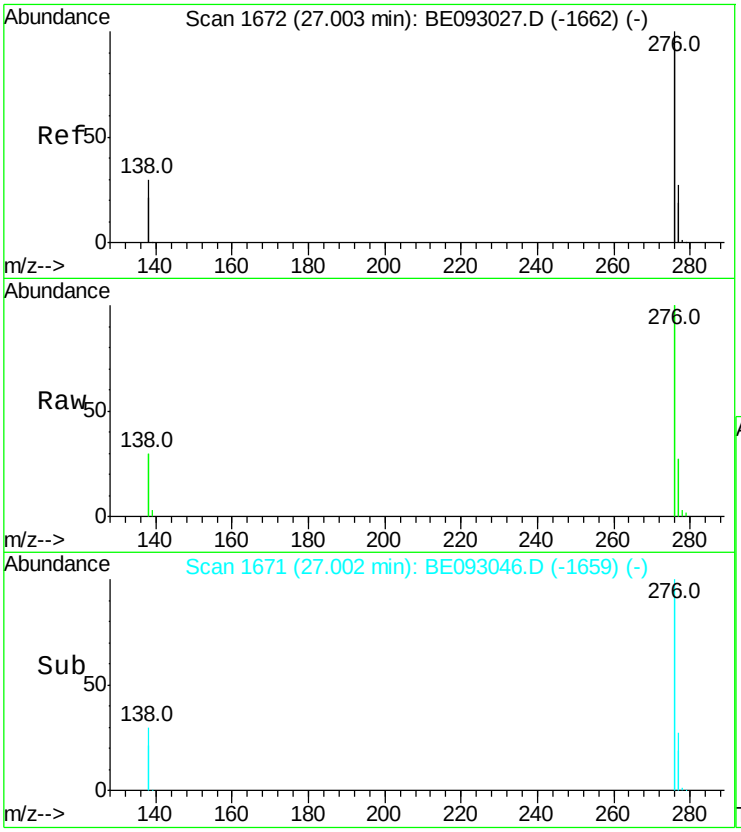


#38
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.25 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:278 Resp: 4400

Ion	Ratio	Lower	Upper
278	100		
139	22.9	21.4	32.0
279	27.0	22.2	33.2





#39
Benzo(g,h,i)perylene
Concen: 0.35 ng
RT: 27.00 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 18621

Ion	Ratio	Lower	Upper
276	100		
277	26.9	21.2	31.8
138	30.0	24.5	36.7