Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111616\
Data File : BE092530.D
Acq On : 16 Nov 2016 11:38
Operator : UM/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Nov 16 13:46:18 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 13:29:35 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	7072	5.00	ng		0.00
7) Naphthalene-d8	10.93	136	34603	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	23671	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	56311	5.00	ng		0.00
24) Chrysene-d12	21.72	240	79004	5.00	ng		0.00
31) Perylene-d12	24.09	264	69431	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	477	0.31	ng		0.00
5) Phenol-d6	7.36	99	576	0.28	ng		0.00
8) Nitrobenzene-d5	9.36	82	730m	0.32	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	199	0.30	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2320	0.40	ng		0.00
26) Terphenyl-d14	20.17	244	3345	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	371	0.34	ng		90
3) n-Nitrosodimethylamine	3.78	42	316	0.25	ng	#	95
6) bis(2-Chloroethyl)ether	7.59	93	674	0.30	ng	#	79
9) Naphthalene	10.99	128	2845	0.38	ng		96
10) Hexachlorobutadiene	11.26	225	439	0.39	ng		99
11) 2-Methylnaphthalene	12.64	142	1729	0.36	ng		94
15) Acenaphthylene	14.51	152	12645	0.37	ng		100
16) Acenaphthene	14.87	154	2149	0.39	ng		96
17) Fluorene	15.86	166	2641	0.38	ng		98
19) Hexachlorobenzene	16.87	284	796m	0.37	ng		
20) Pentachlorophenol	17.23	266	127	0.21	ng		89
21) Phenanthrene	17.60	178	4854	0.40	ng		96
22) Anthracene	17.70	178	4451	0.38	ng		98
23) Fluoranthene	19.59	202	22046	0.36	ng		99
25) Pyrene	19.95	202	23455	0.36	ng		100
27) Benzo(a)anthracene	21.70	228	24969m	0.31	ng		
28) Chrysene	21.77	228	27853m	0.32	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	1613	0.19	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.56	276	28380	0.32	ng		98
32) Benzo(b)fluoranthene	23.36	252	6478	0.25	ng		98
33) Benzo(k)fluoranthene	23.41	252	6662	0.24	ng		99
34) Benzo(a)pyrene	23.97	252	5764	0.32	ng		99
35) Dibenzo(a,h)anthracene	26.60	278	5742	0.34	ng		98
36) Benzo(g,h,i)perylene	27.33	276	25015	0.36	ng		97

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

Quantitation Report (QT Reviewed)

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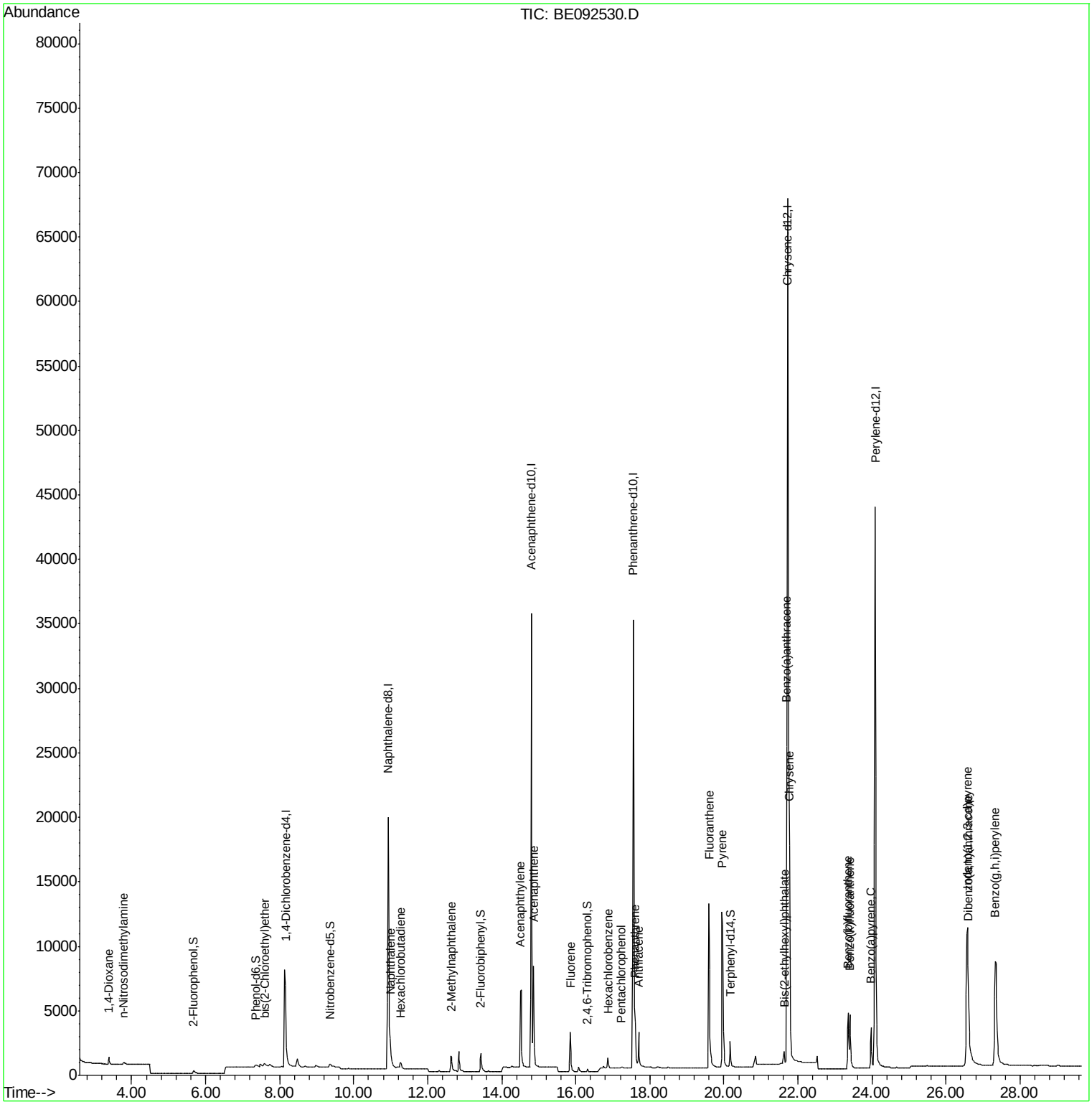
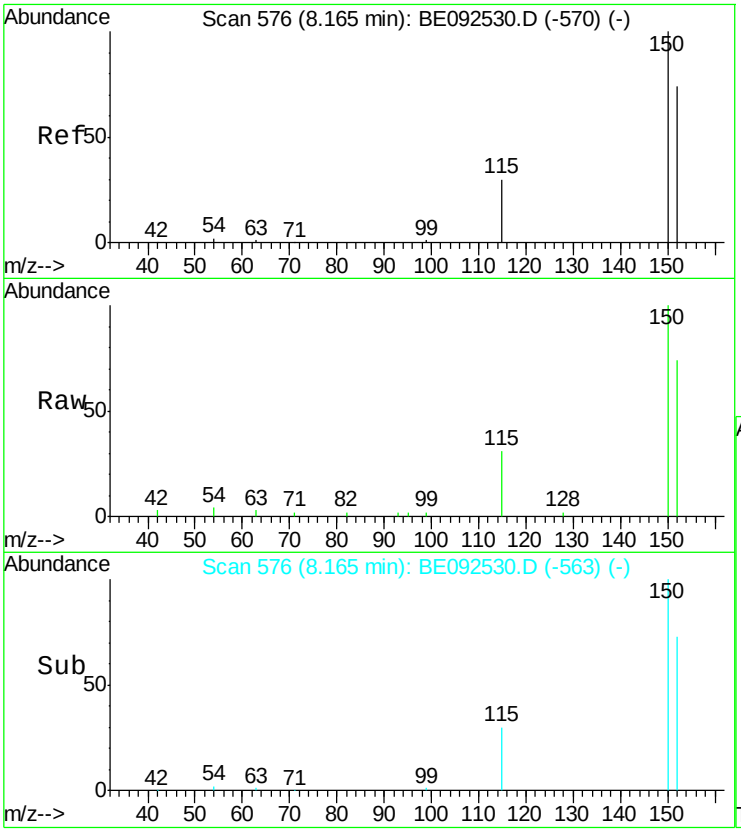
Data File : BE092530.D
Acq On : 16 Nov 2016 11:38
Operator : UM/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Nov 16 13:46:18 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE111616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 16 13:29:35 2016
Response via : Initial Calibration



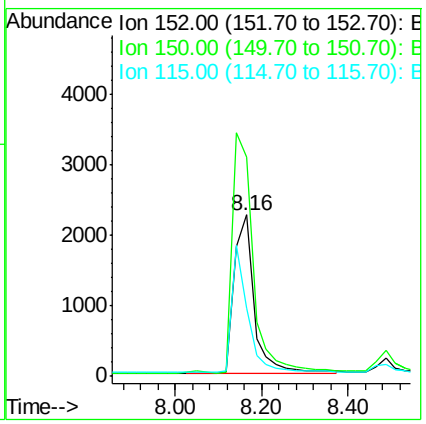


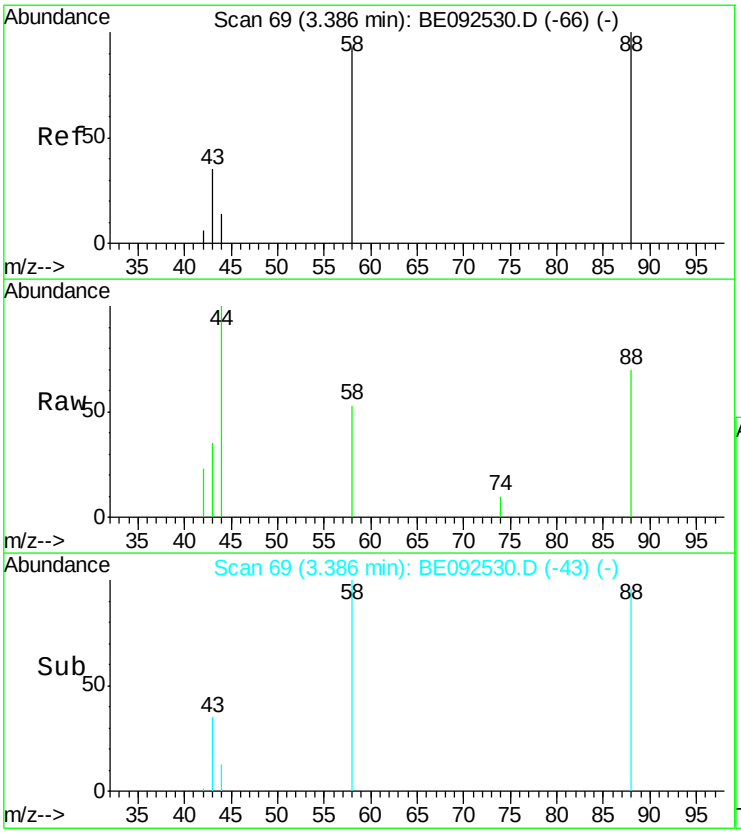
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 7072

Ion	Ratio	Lower	Upper
152	100		
150	135.6	106.0	159.0
115	42.6	31.2	46.8

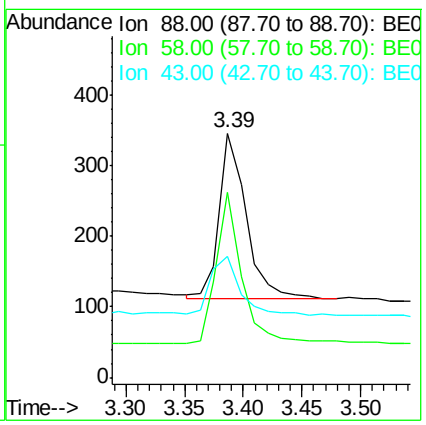


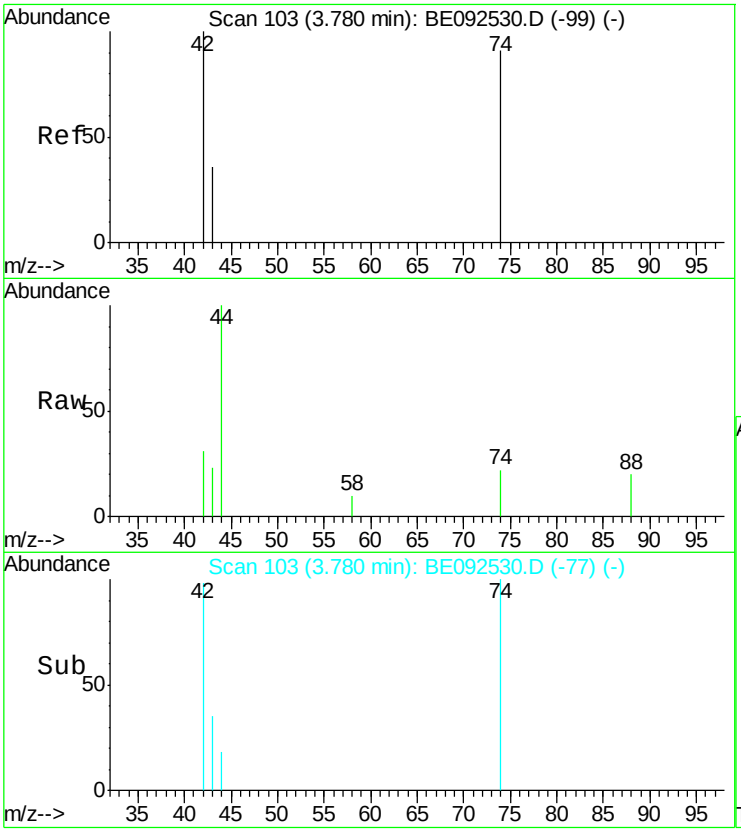


#2
1,4-Dioxane
Concen: 0.34 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion: 88 Resp: 371

Ion	Ratio	Lower	Upper
88	100		
58	88.1	63.6	95.4
43	40.2	28.0	42.0



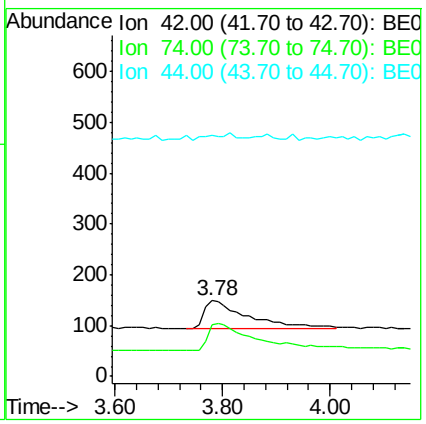


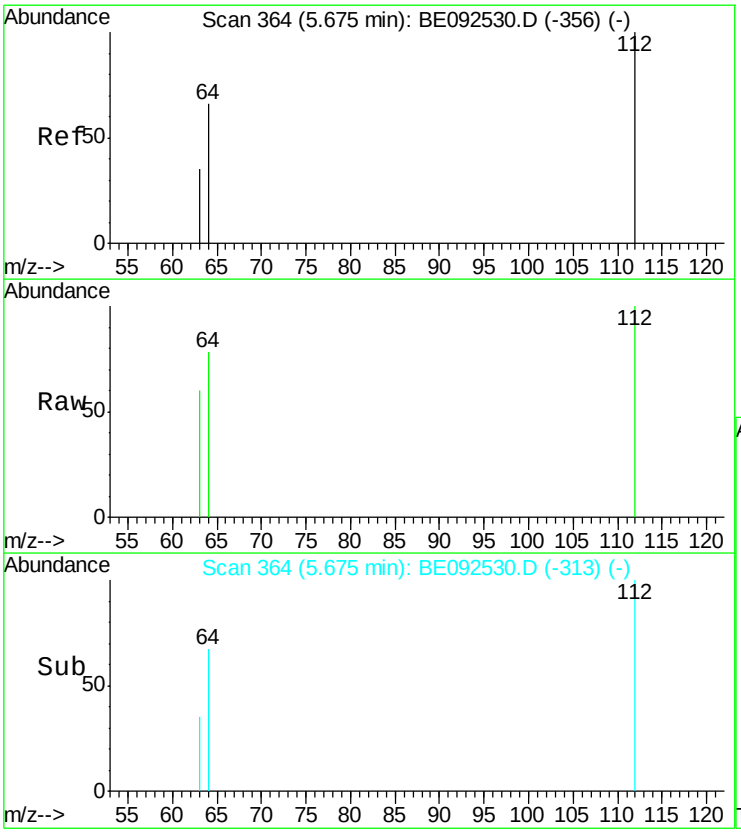
#3
n-Nitrosodimethylamine
Concen: 0.25 ng
RT: 3.78 min Scan# 103
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 316

Ion	Ratio	Lower	Upper
42	100		
74	111.7	86.0	129.0
44	0.0	5.1	7.7#

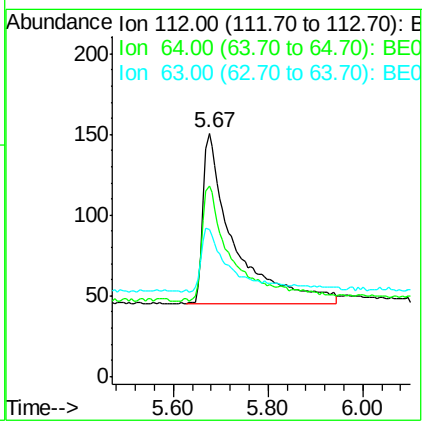


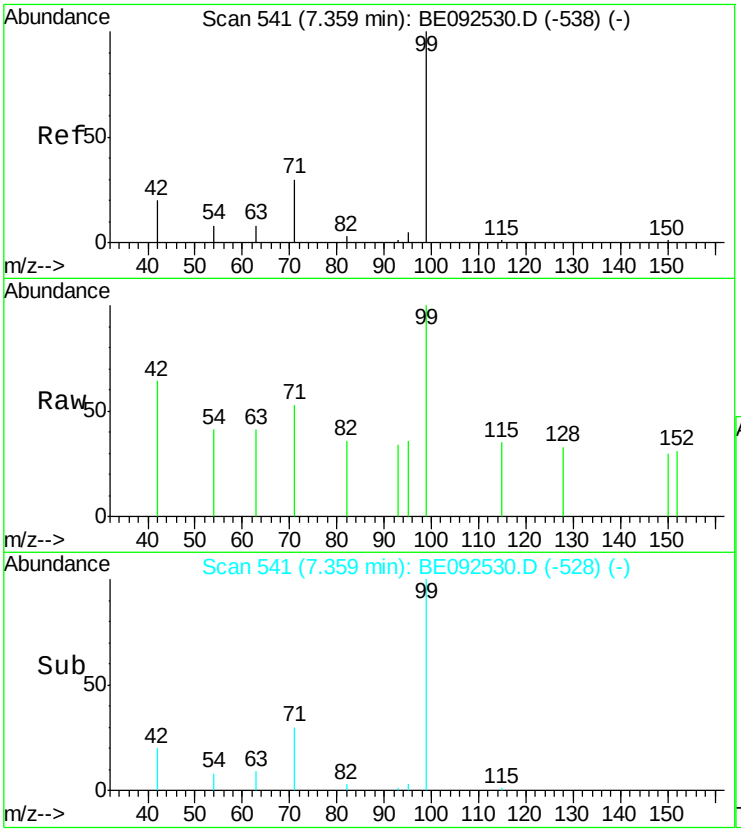


#4
2-Fluorophenol
Concen: 0.31 ng
RT: 5.67 min Scan# 364
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:112 Resp: 477

Ion	Ratio	Lower	Upper
112	100		
64	59.3	53.5	80.3
63	32.7	27.9	41.9



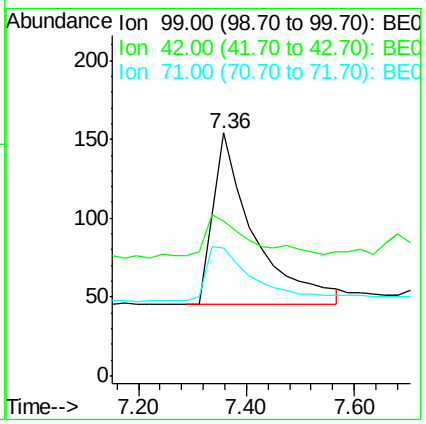


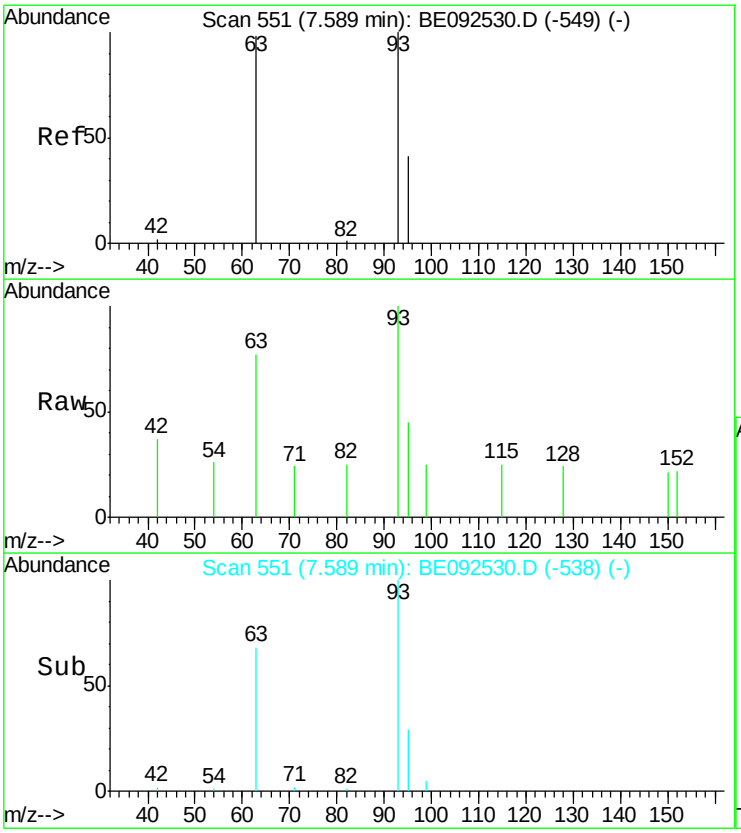
#5
Phenol-d6
Concen: 0.28 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 576

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

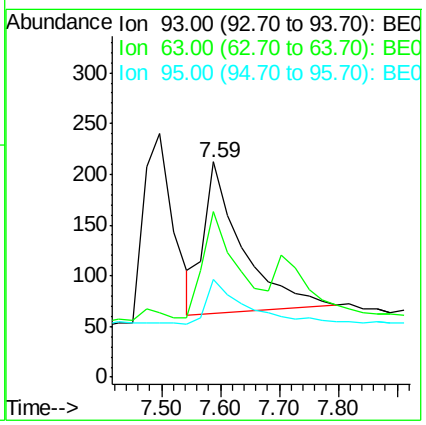


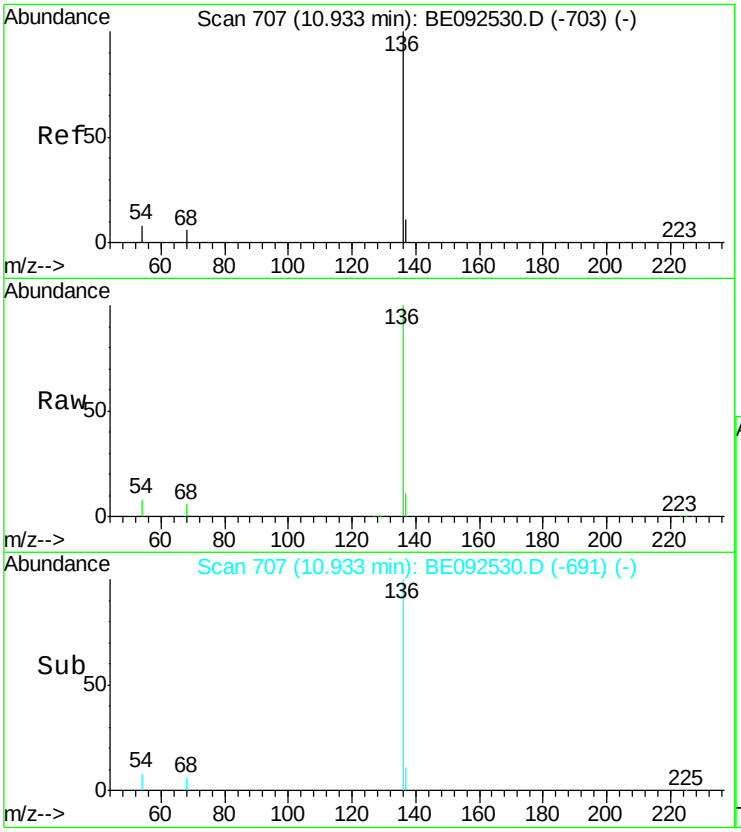


#6
bis(2-Chloroethyl)ether
Concen: 0.30 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion: 93 Resp: 674

Ion	Ratio	Lower	Upper
93	100		
63	63.9	71.6	107.4#
95	28.6	24.0	36.0



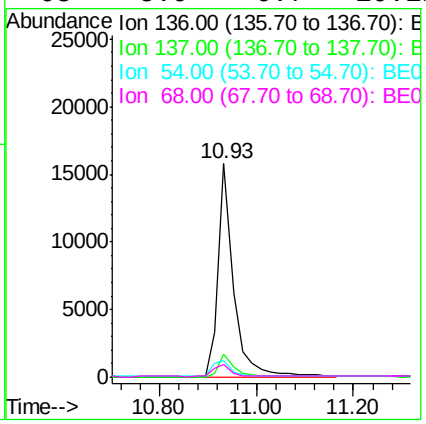


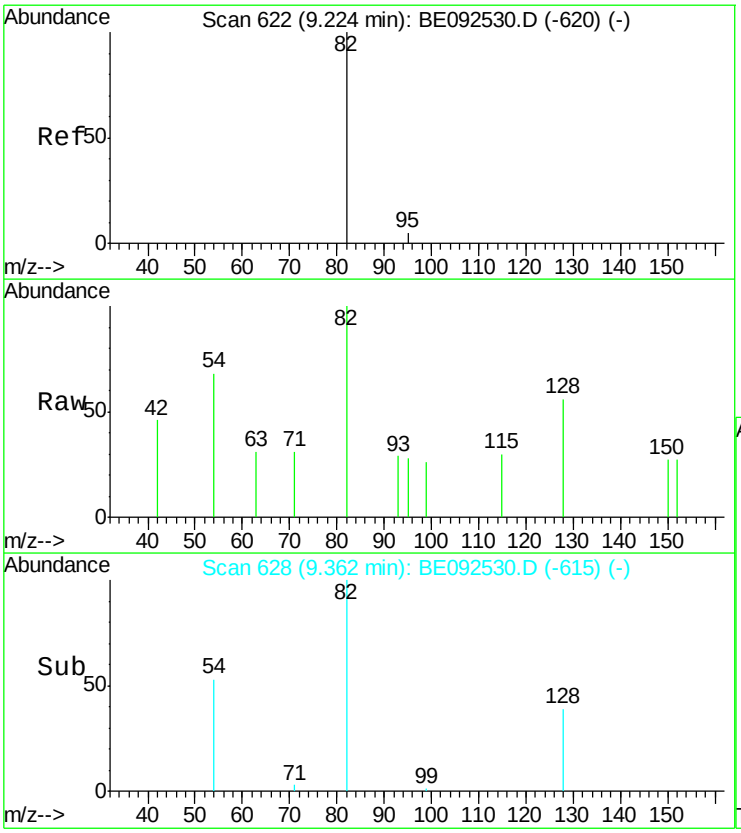
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 34603

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	8.1	9.6	14.4#
68	5.9	6.7	10.1#

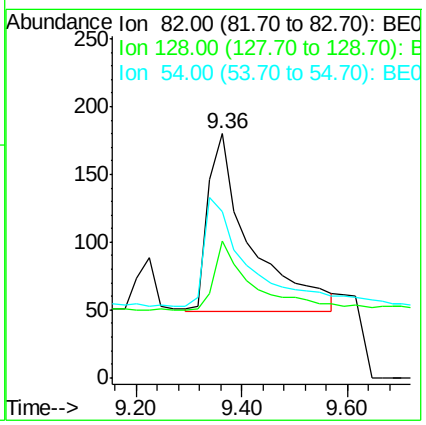


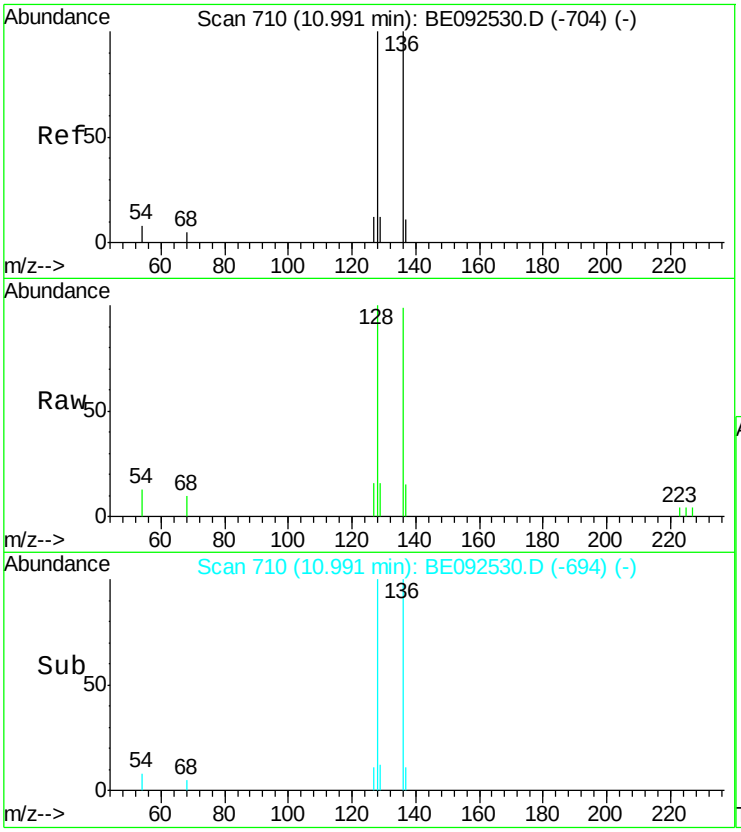


#8
Nitrobenzene-d5
Concen: 0.32 ng m
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion: 82 Resp: 730

Ion	Ratio	Lower	Upper
82	100		
128	56.1	39.0	58.4
54	68.3	44.8	67.2#



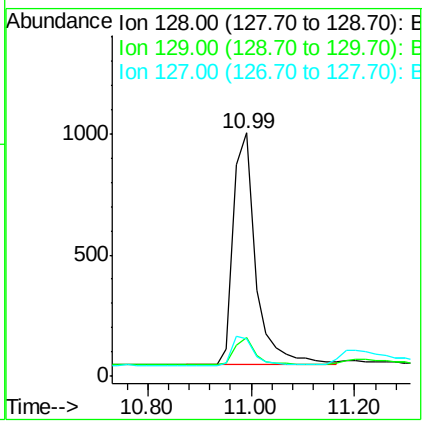


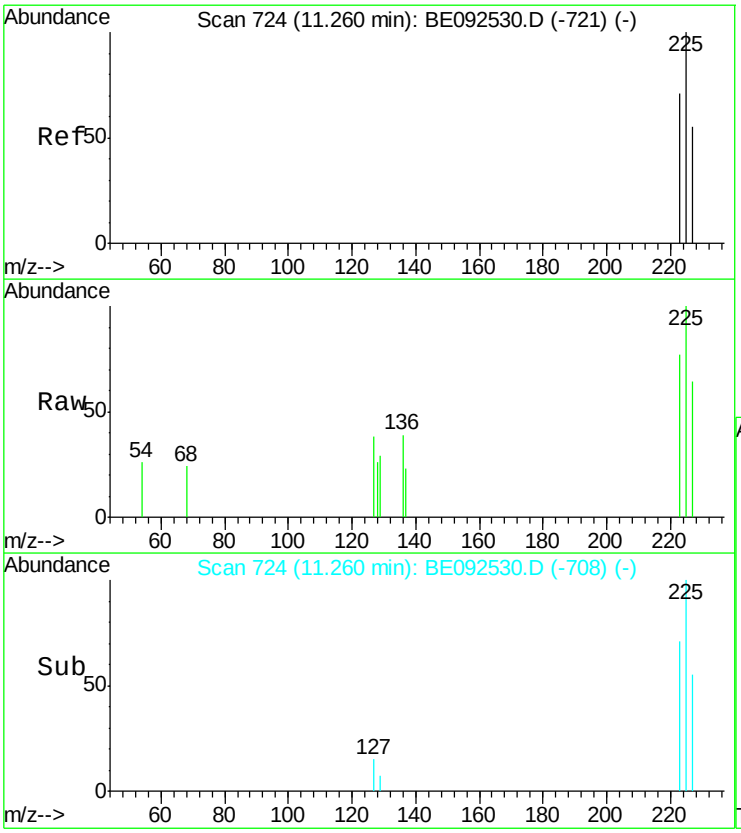
#9
Naphthalene
Concen: 0.38 ng
RT: 10.99 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 2845

Ion	Ratio	Lower	Upper
128	100		
129	16.1	11.2	16.8
127	15.6	11.6	17.4

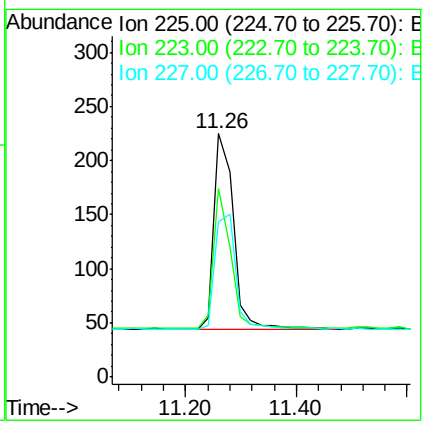


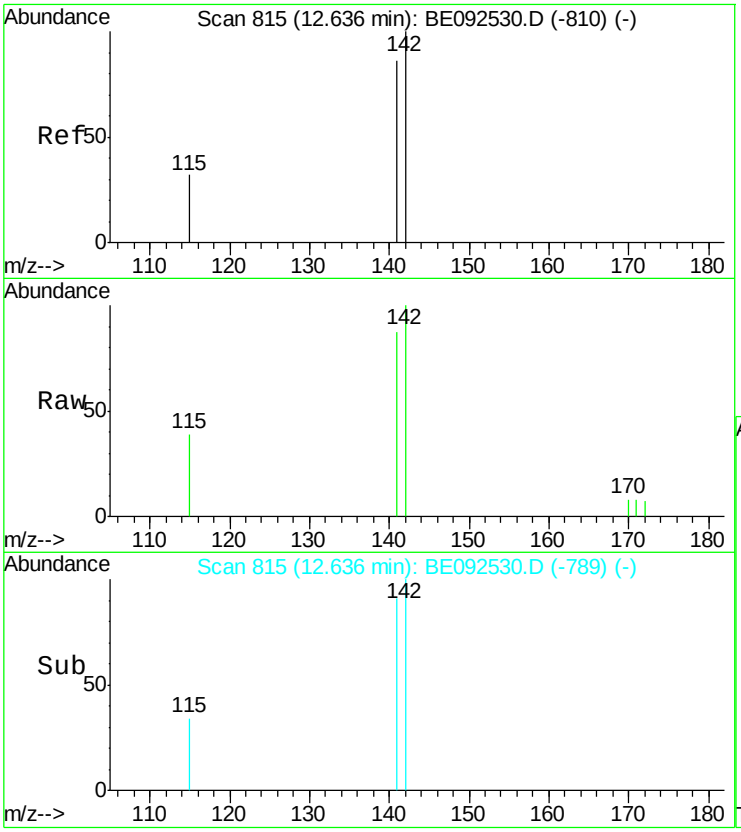


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:225 Resp: 439

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	76.0
227	63.1	51.4	77.0



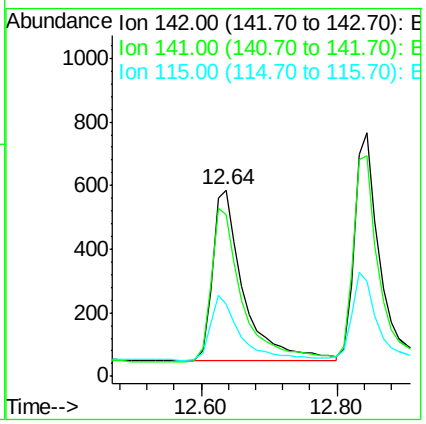


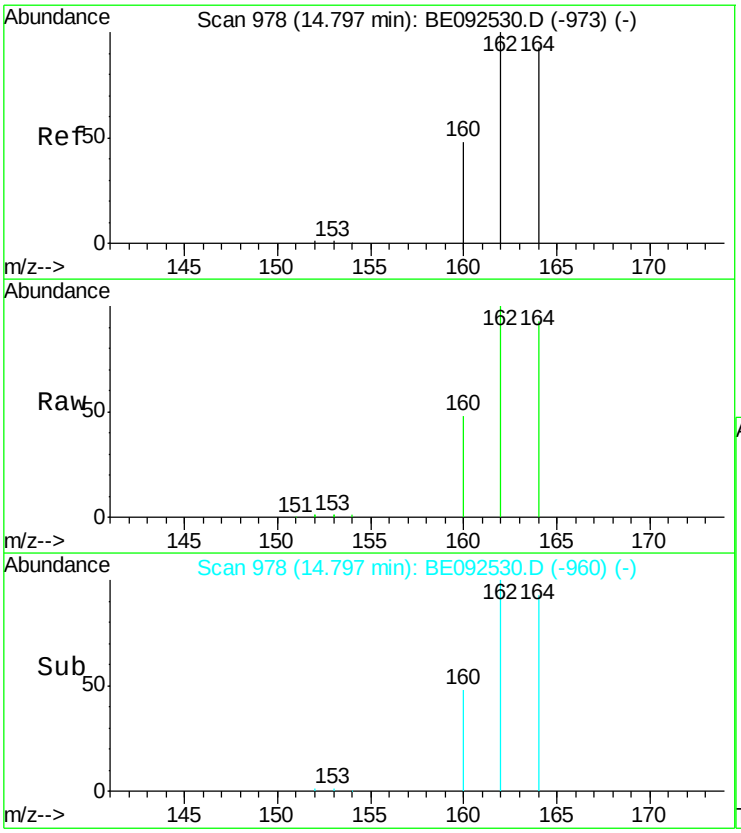
#11
2-Methylnaphthalene
Concen: 0.36 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:142 Resp: 1729

Ion	Ratio	Lower	Upper
142	100		
141	86.5	73.7	110.5
115	38.5	34.0	51.0

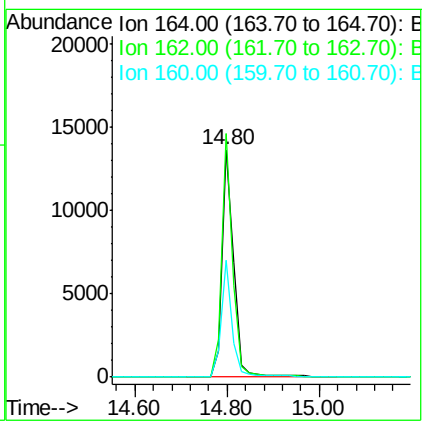


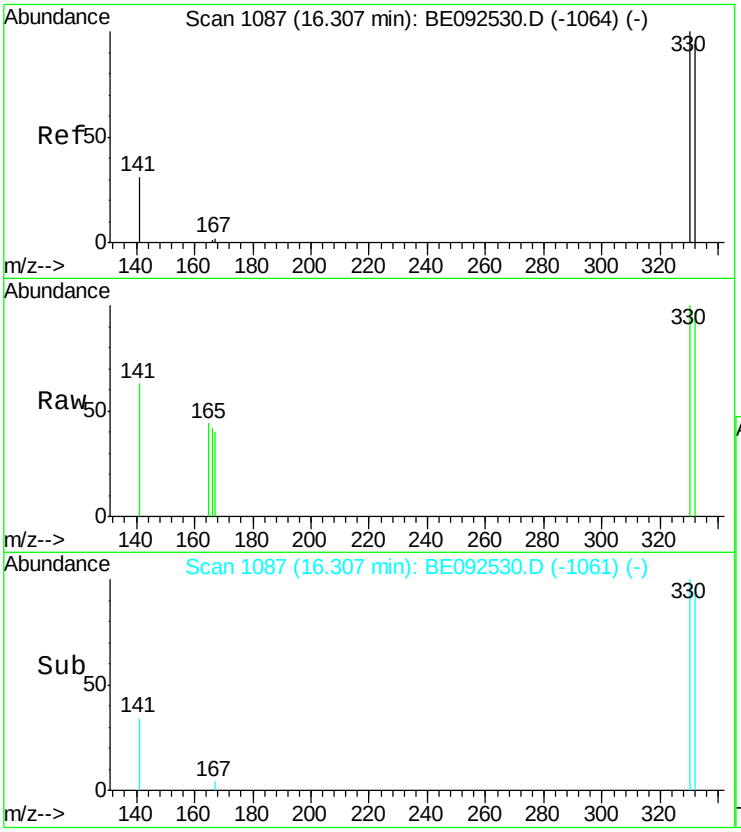


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 978
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:164 Resp: 23671

Ion	Ratio	Lower	Upper
164	100		
162	107.3	71.4	107.0#
160	51.8	27.4	41.2#



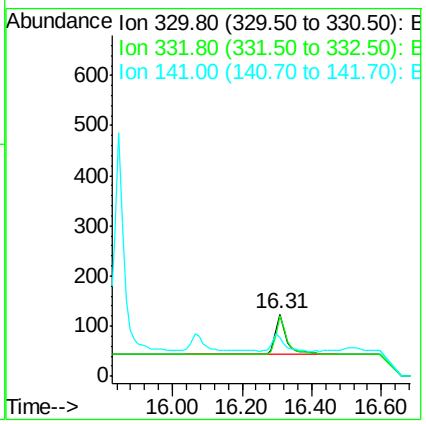


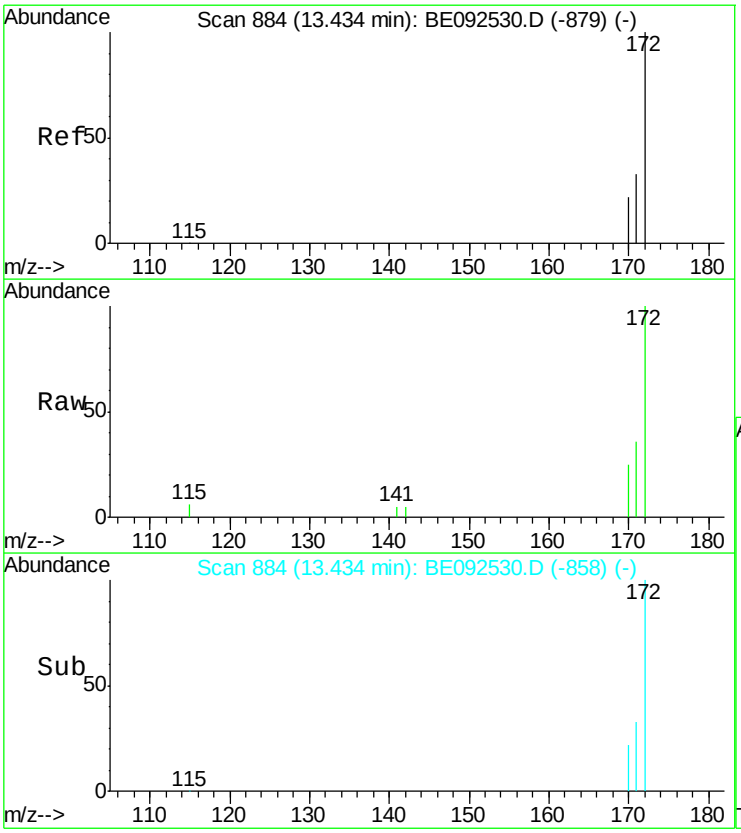
#13
2,4,6-Tribromophenol
Concen: 0.30 ng
RT: 16.31 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:330 Resp: 199

Ion	Ratio	Lower	Upper
330	100		
332	86.9	75.4	113.0
141	37.2	31.0	46.6

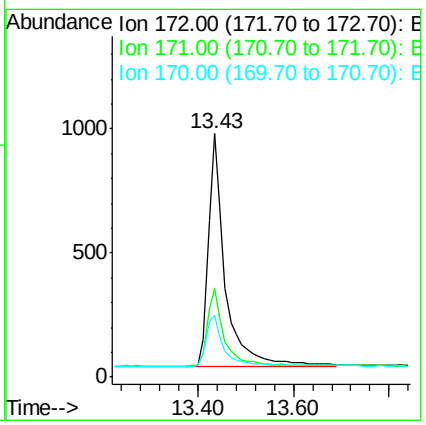


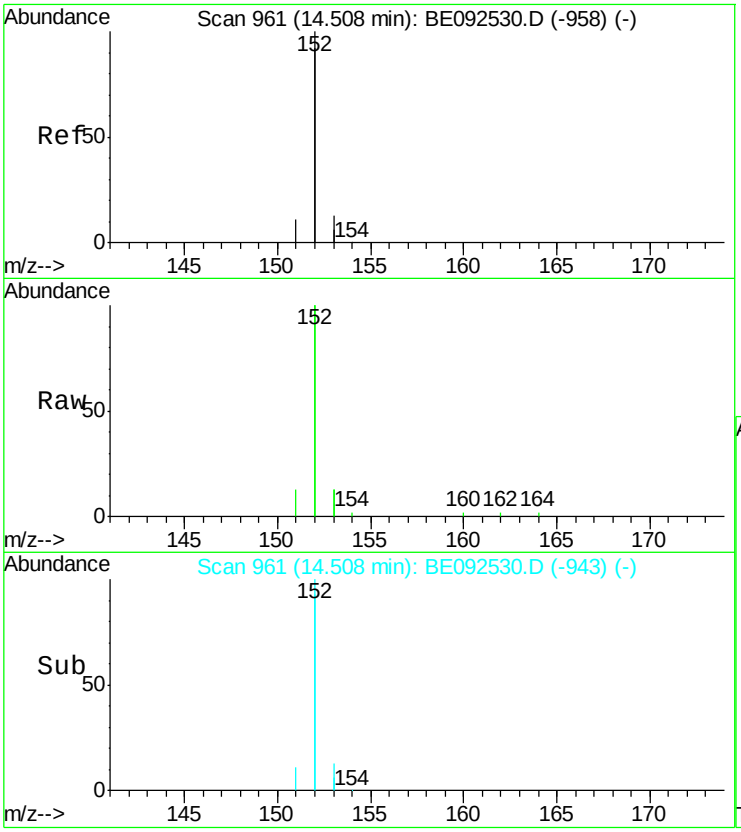


#14
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.43 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:172 Resp: 2320

Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	25.5	21.8	32.6



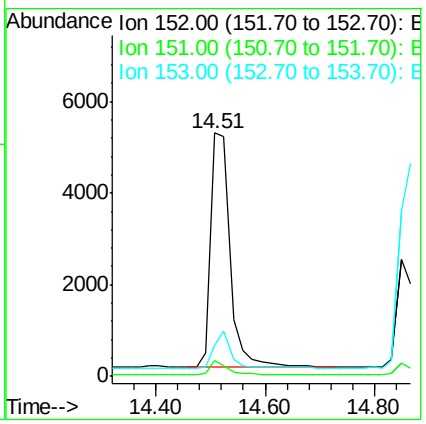


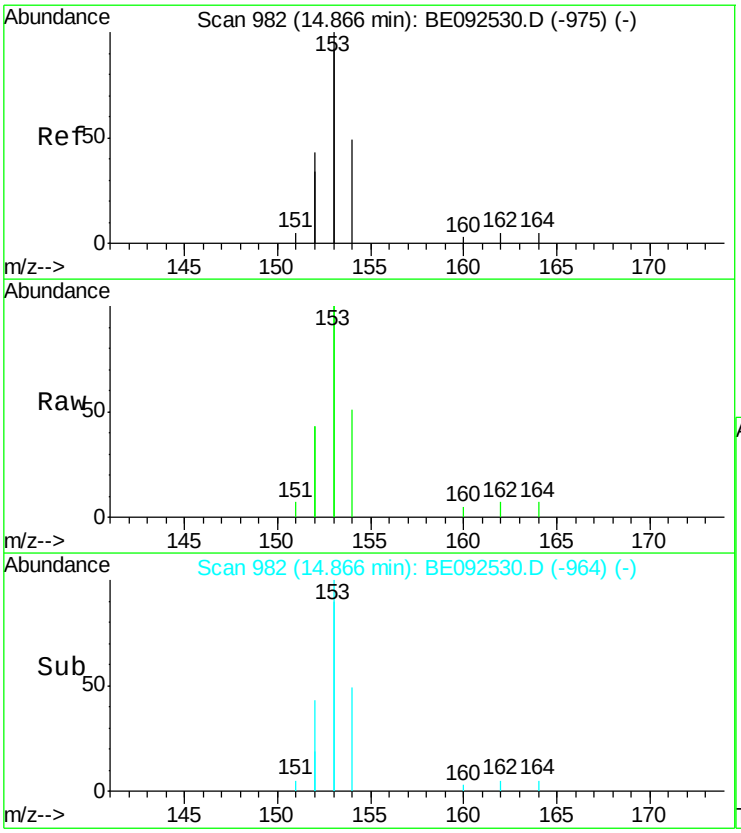
#15
Acenaphthylene
Concen: 0.37 ng
RT: 14.51 min Scan# 961
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 12645

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.0	10.4	15.6

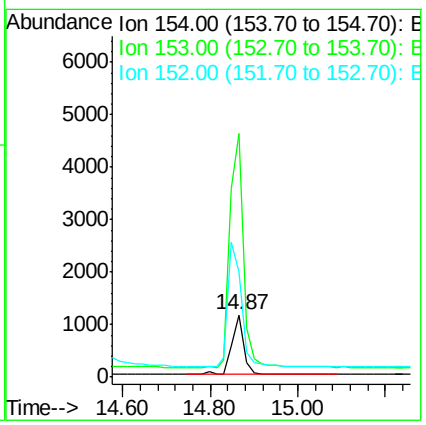


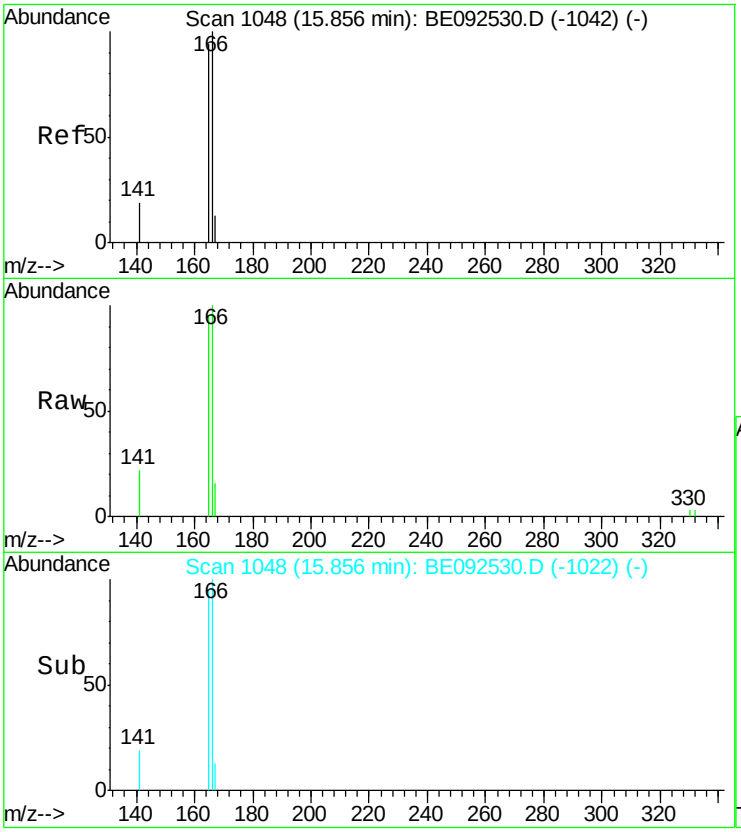


#16
Acenaphthene
Concen: 0.39 ng
RT: 14.87 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:154 Resp: 2149

Ion	Ratio	Lower	Upper
154	100		
153	436.6	350.8	526.2
152	231.4	171.1	256.7



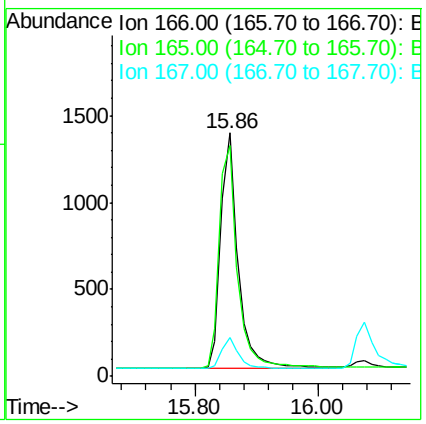


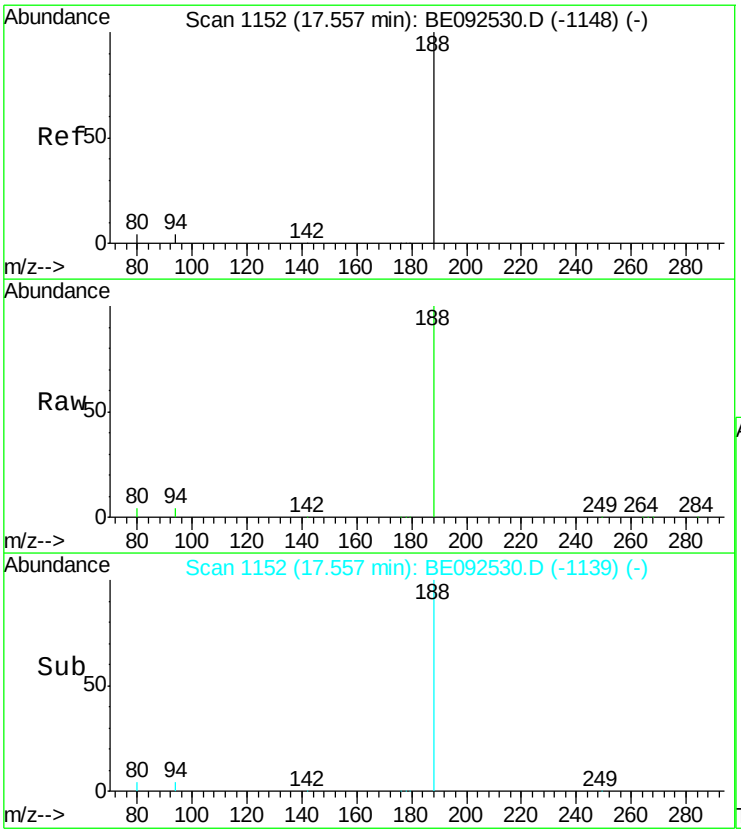
#17
Fluorene
Concen: 0.38 ng
RT: 15.86 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:166 Resp: 2641

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.2	117.4
167	13.0	11.0	16.4

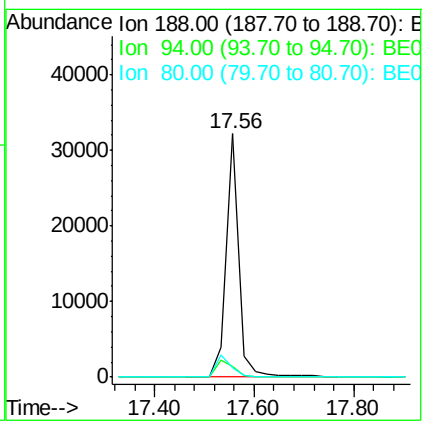


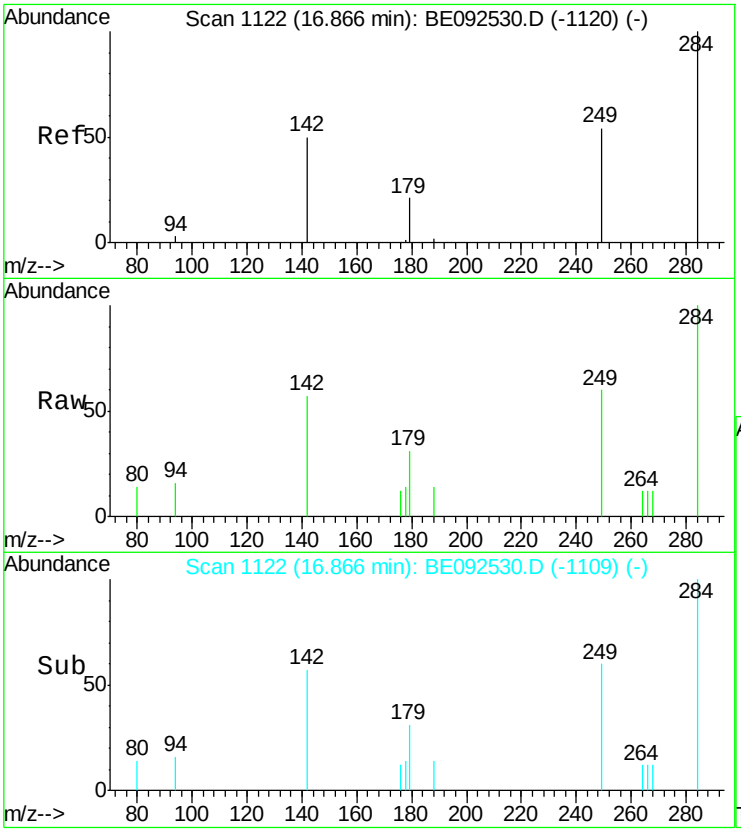


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:188 Resp: 56311

Ion	Ratio	Lower	Upper
188	100		
94	4.2	3.2	4.8
80	3.7	2.6	3.8



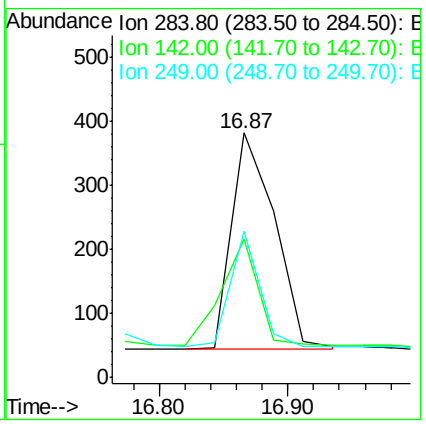


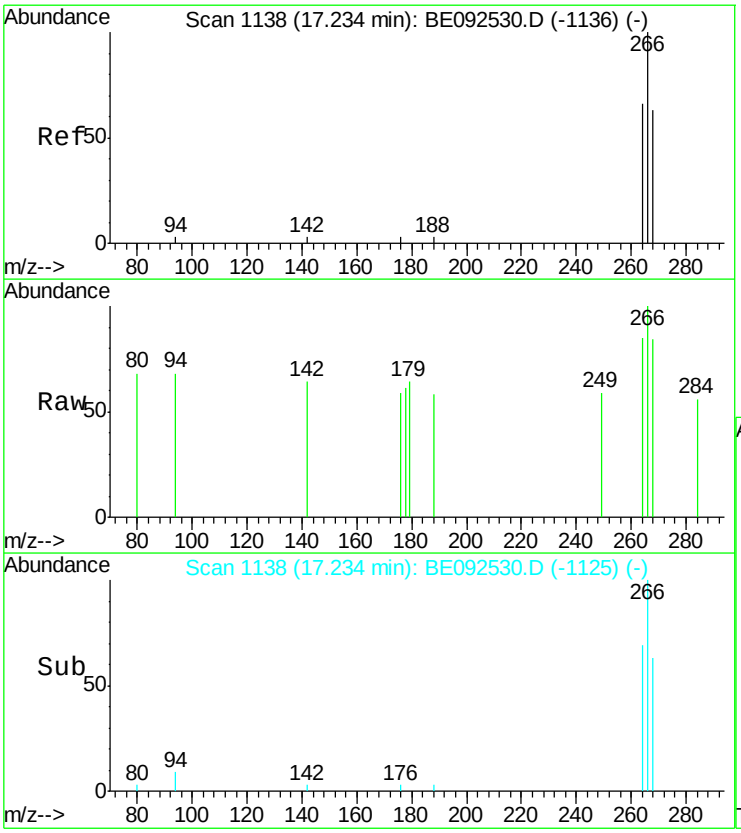
#19
Hexachlorobenzene
Concen: 0.37 ng m
RT: 16.87 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 796

Ion	Ratio	Lower	Upper
284	100		
142	56.0	29.1	43.7#
249	56.0	27.9	41.9#

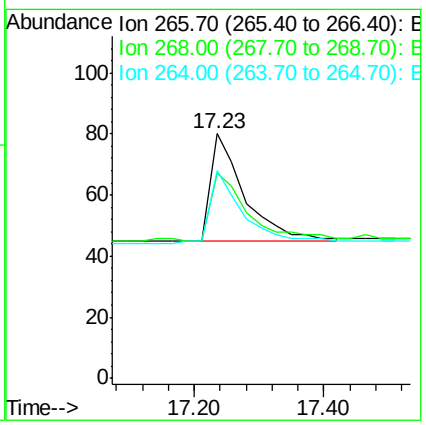


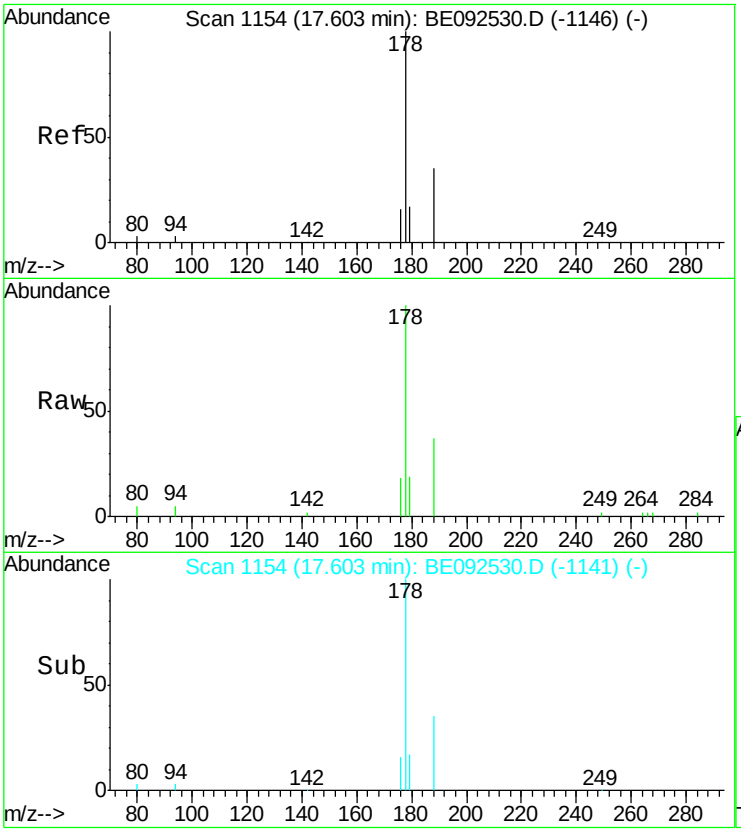


#20
Pentachlorophenol
Concen: 0.21 ng
RT: 17.23 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:266 Resp: 127

Ion	Ratio	Lower	Upper
266	100		
268	83.8	62.5	93.7
264	85.0	57.2	85.8



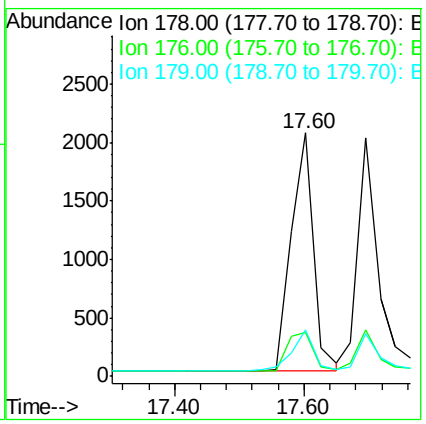


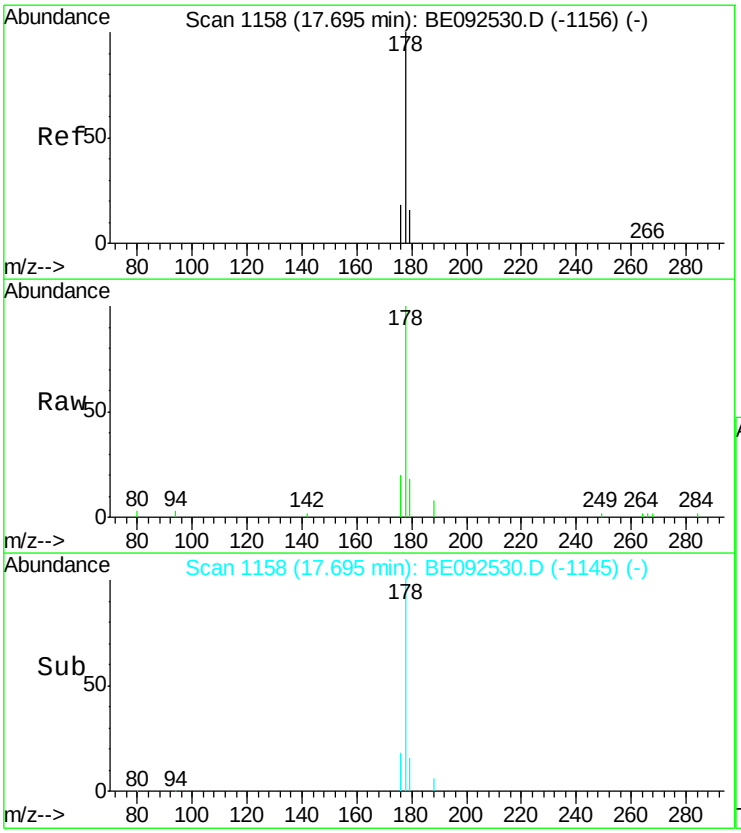
#21
Phenanthrene
Concen: 0.40 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 4854

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.5	16.0	24.0

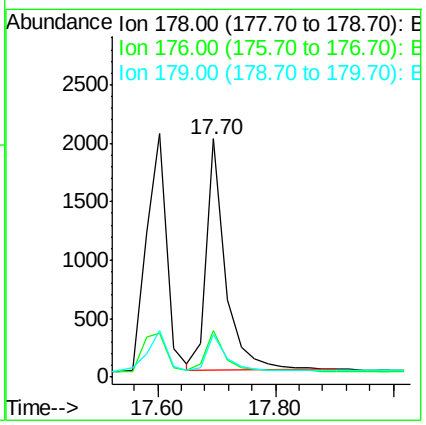


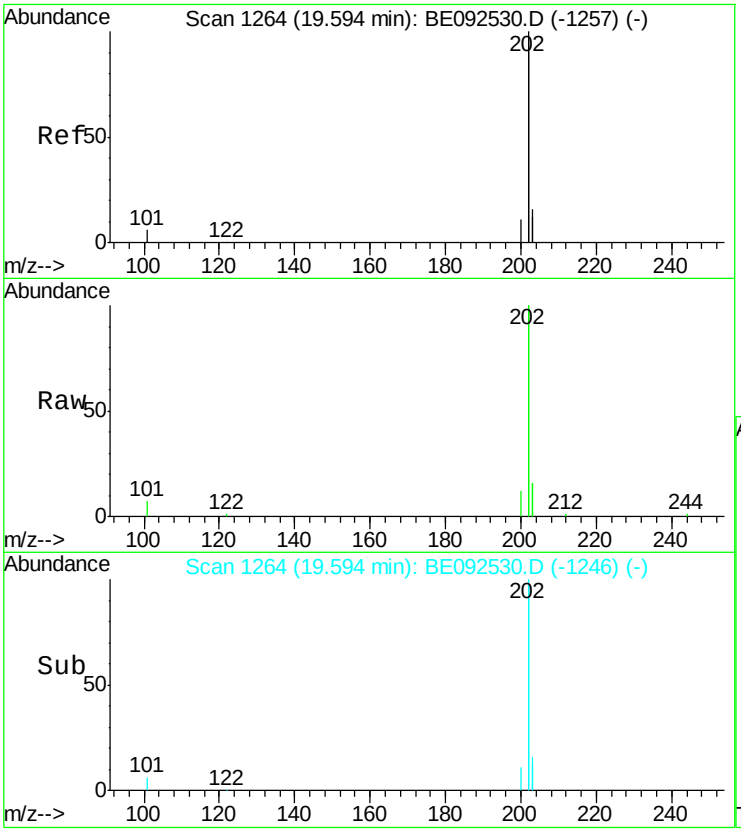


#22
Anthracene
Concen: 0.38 ng
RT: 17.70 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:178 Resp: 4451

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	16.4	12.2	18.2



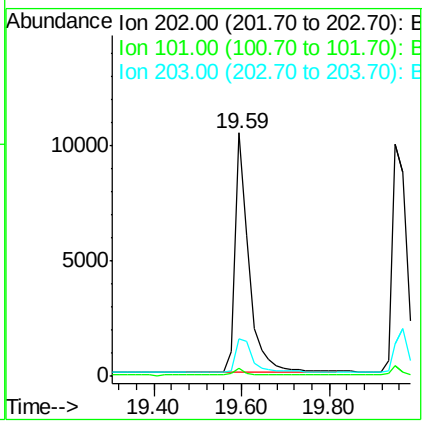


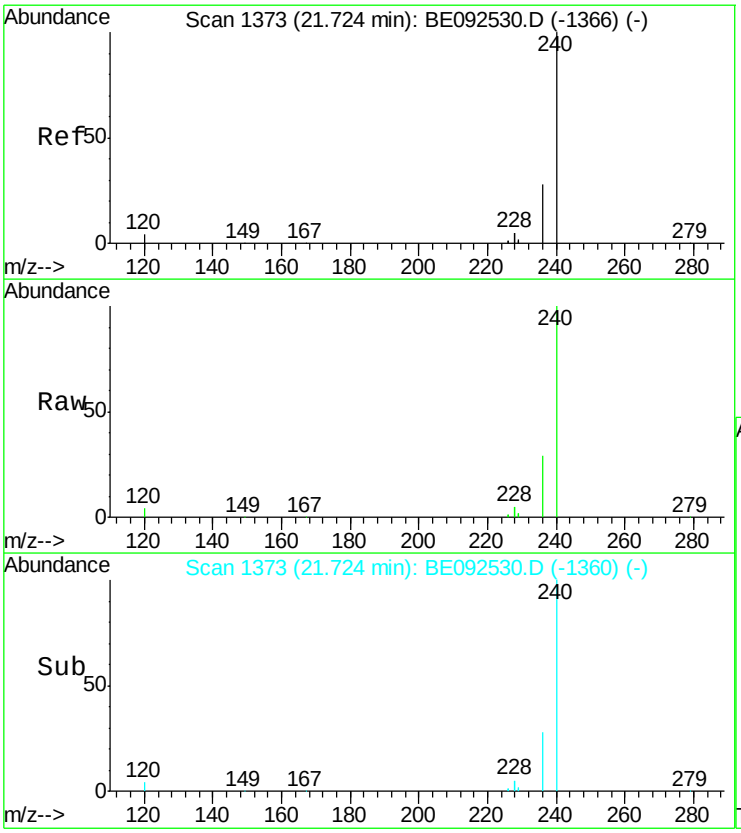
#23
Fluoranthene
Concen: 0.36 ng
RT: 19.59 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:202 Resp: 22046

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.5	13.7	20.5

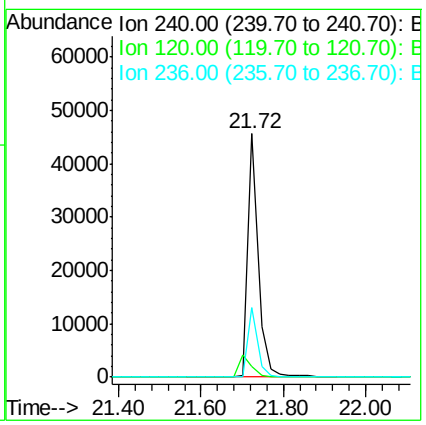


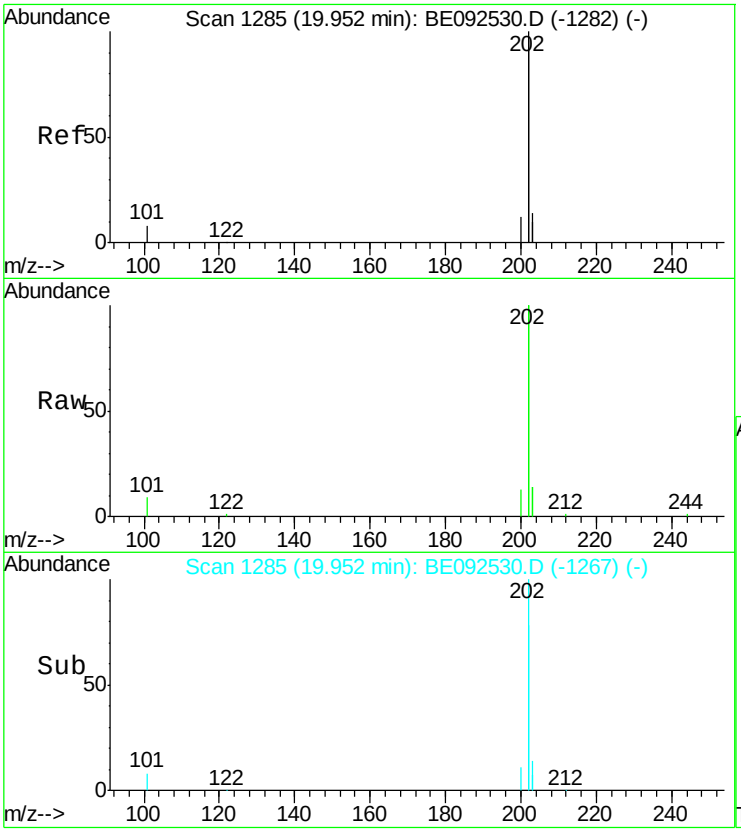


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:240 Resp: 79004

Ion	Ratio	Lower	Upper
240	100		
120	4.3	2.6	4.0#
236	28.5	24.6	37.0



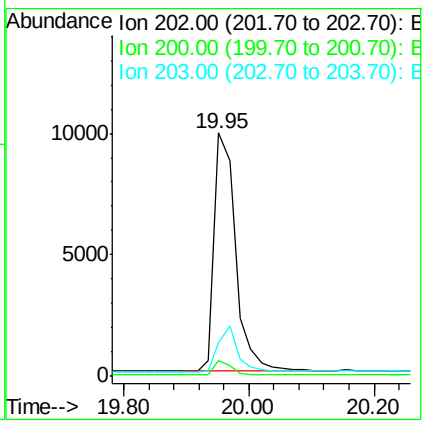


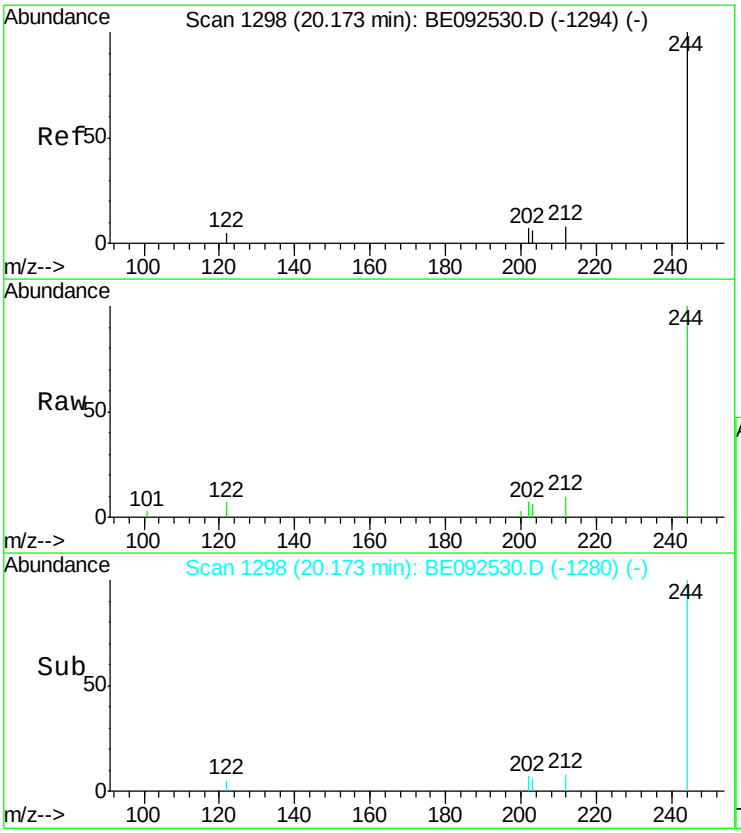
#25
Pyrene
Concen: 0.36 ng
RT: 19.95 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:202 Resp: 23455

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.2	13.9	20.9

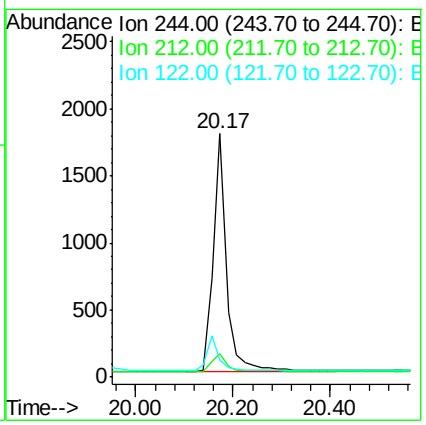


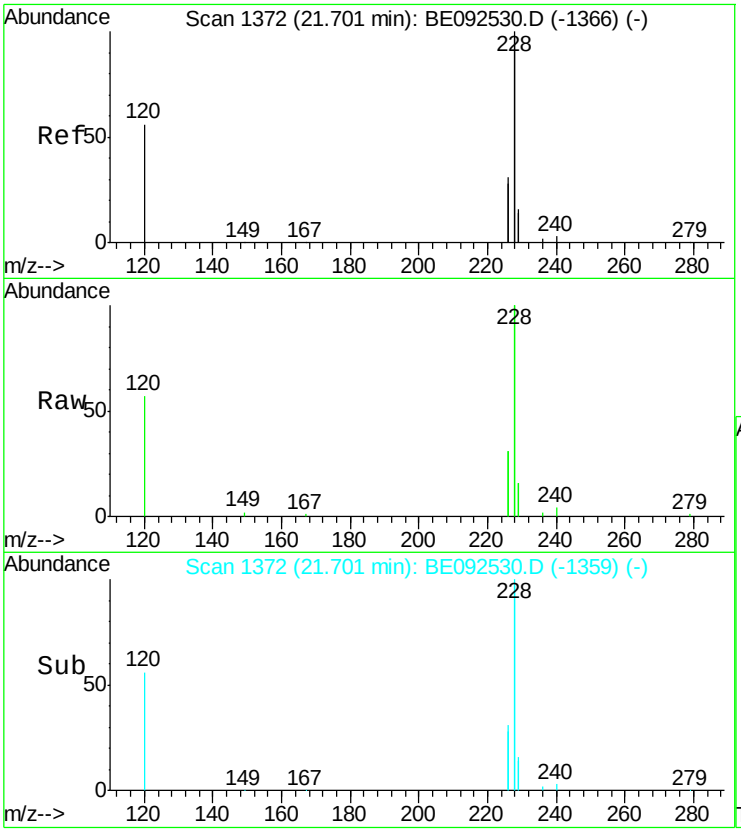


#26
Terphenyl-d14
Concen: 0.35 ng
RT: 20.17 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:244 Resp: 3345

Ion	Ratio	Lower	Upper
244	100		
212	9.9	6.7	10.1
122	7.3	3.6	5.4#



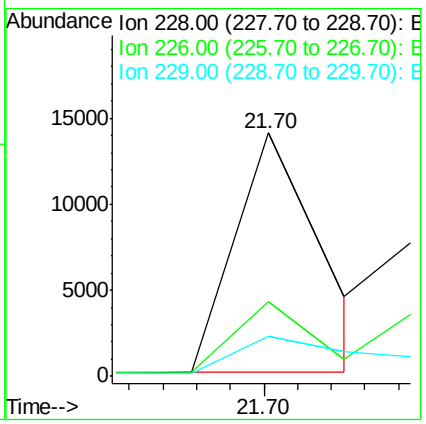


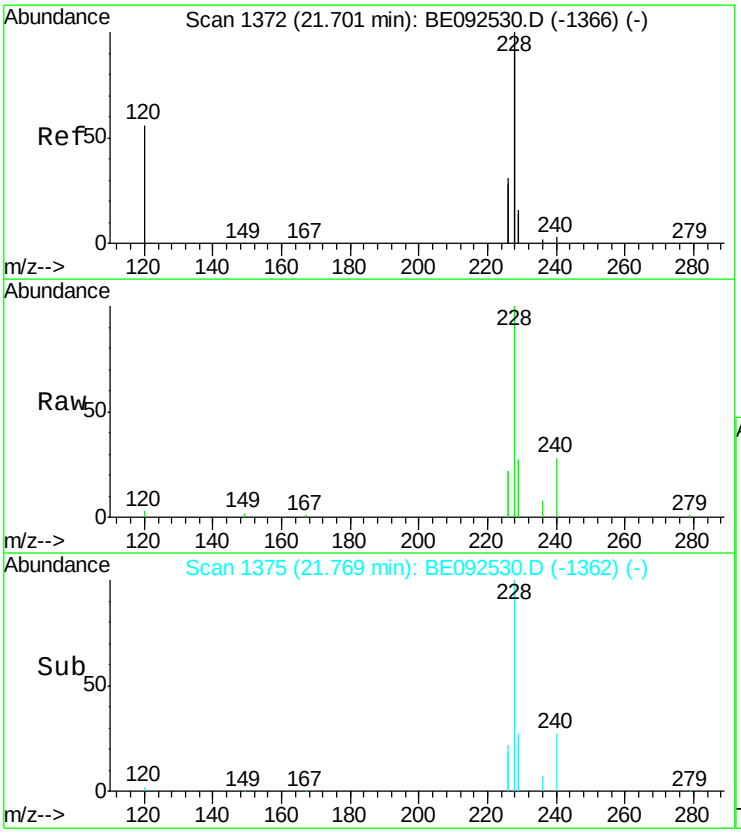
#27
Benzo(a)anthracene
Concen: 0.31 ng m
RT: 21.70 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 24969

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.6	35.4
229	16.2	13.3	19.9

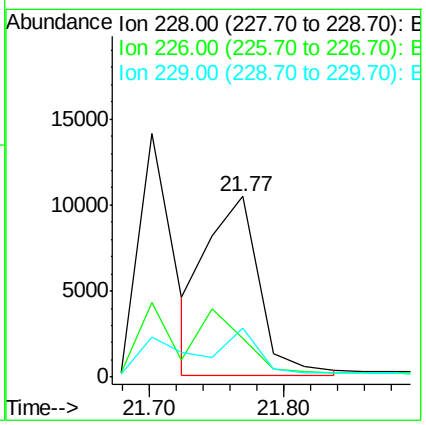


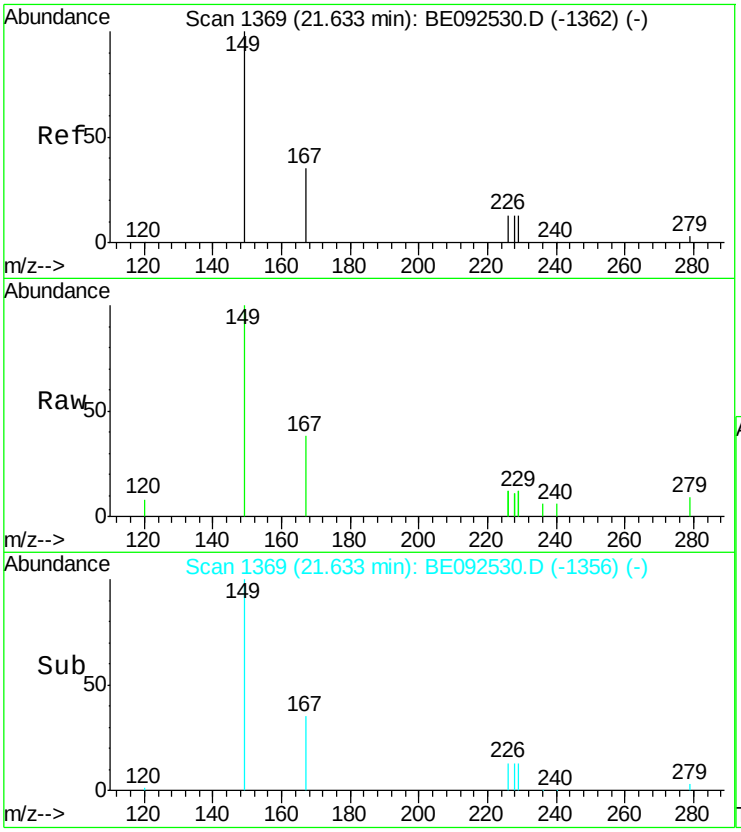


#28
Chrysene
Concen: 0.32 ng m
RT: 21.77 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:228 Resp: 27853

Ion	Ratio	Lower	Upper
228	100		
226	21.9	36.3	54.5#
229	26.9	10.6	16.0#



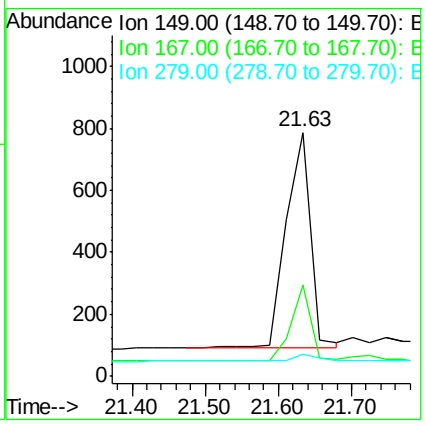


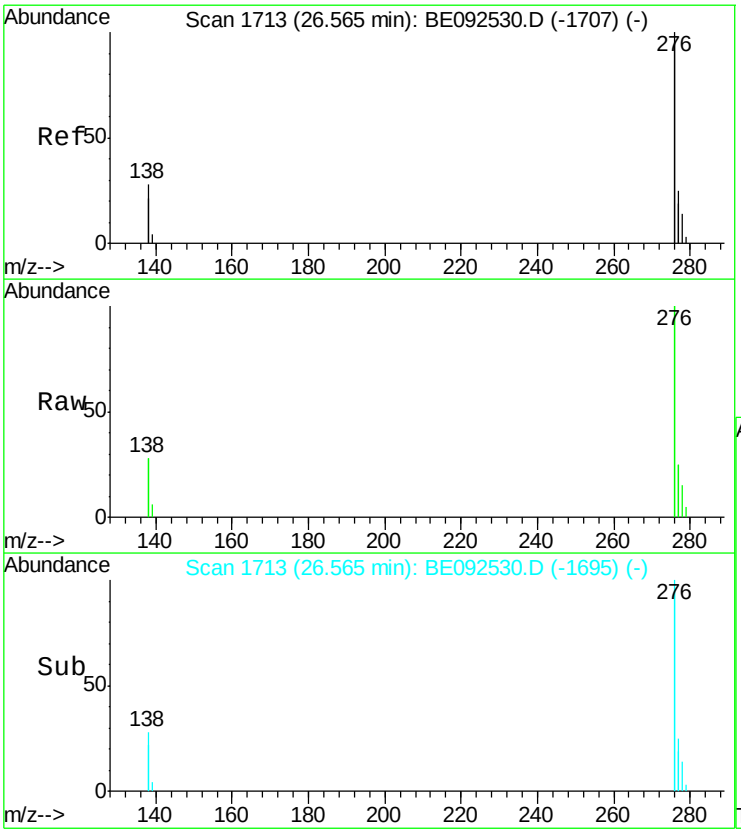
#29
Bis(2-ethylhexyl)phthalate
Concen: 0.19 ng
RT: 21.63 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:149 Resp: 1613

Ion	Ratio	Lower	Upper
149	100		
167	27.1	16.0	24.0#
279	3.3	16.0	24.0#

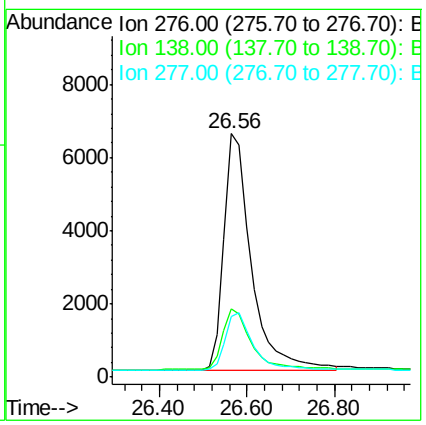


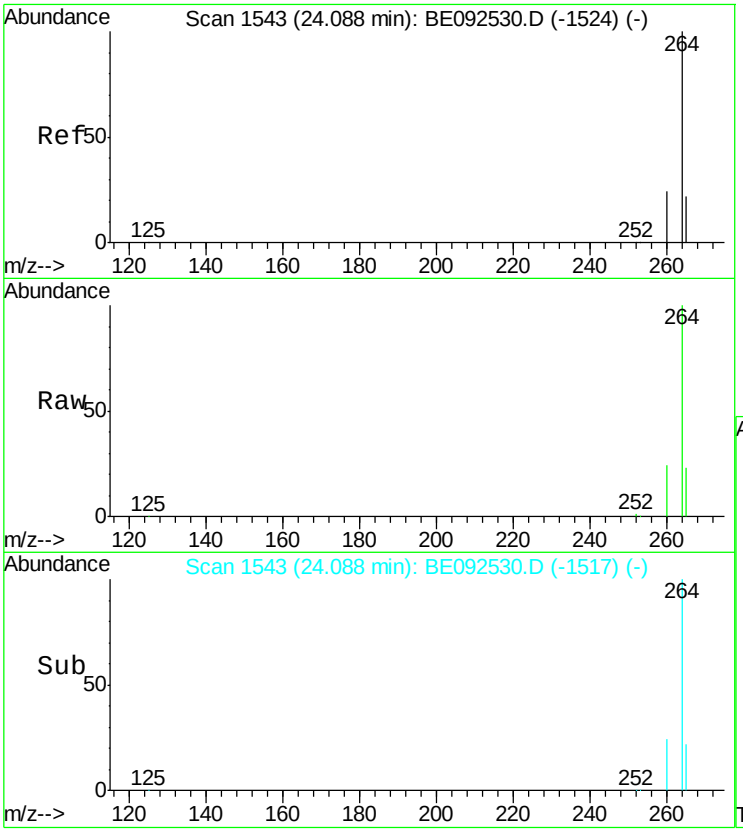


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.32 ng
RT: 26.56 min Scan# 1713
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:276 Resp: 28380

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.3	30.5
277	24.7	19.7	29.5



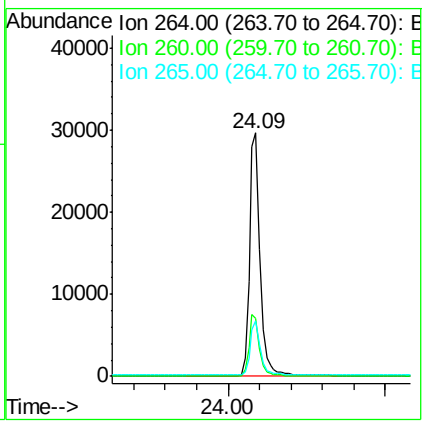


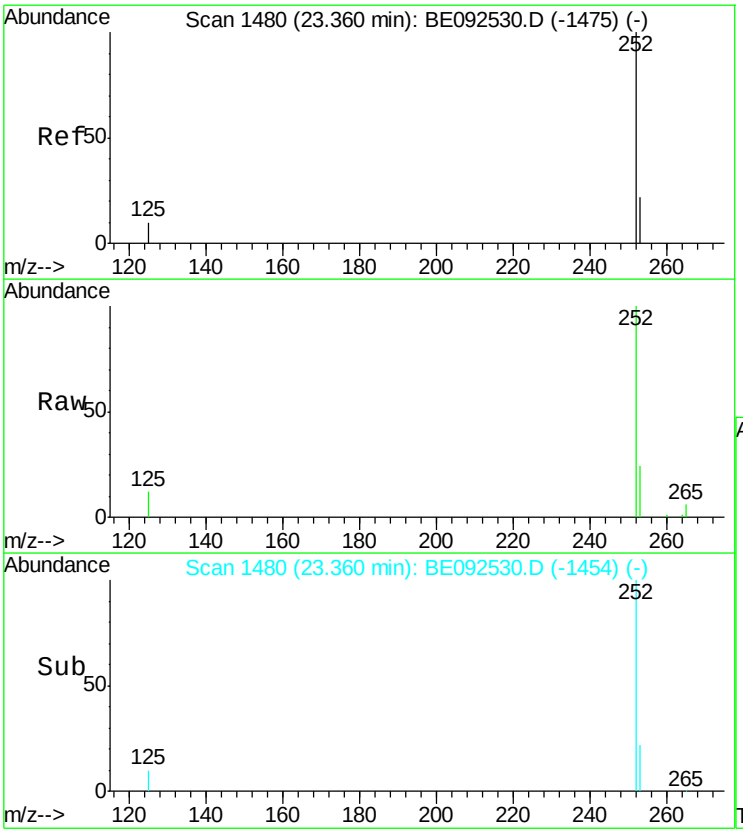
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 69431

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.1	30.1
265	22.8	17.9	26.9

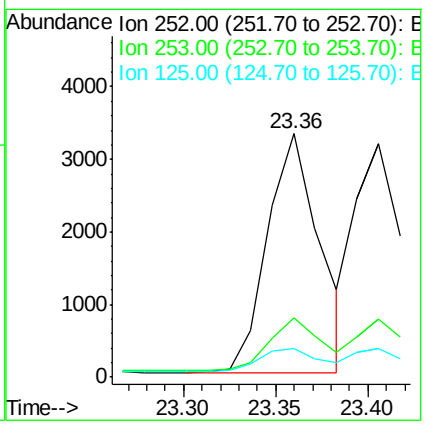


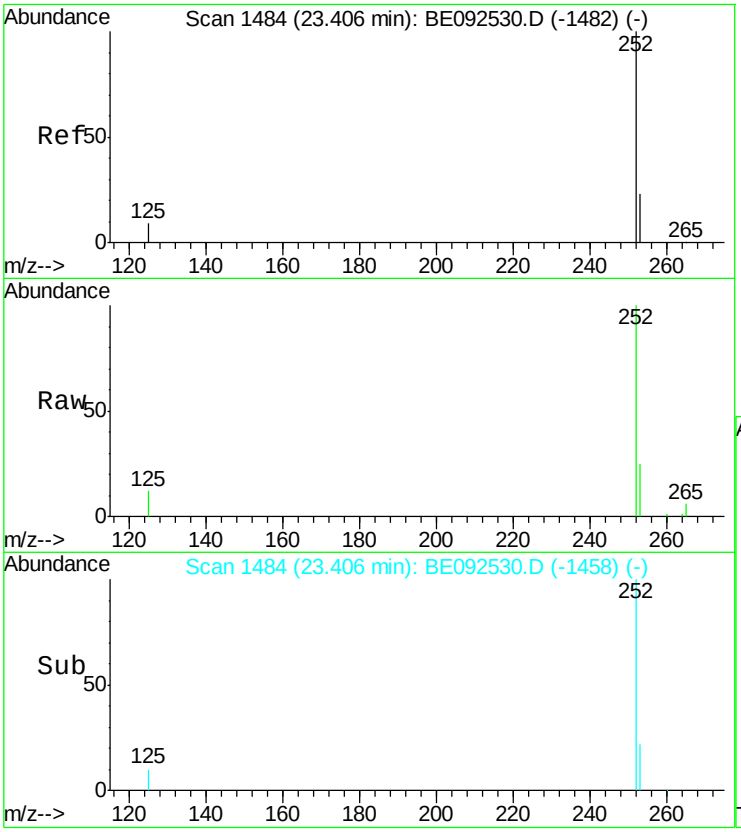


#32
Benzo(b)fluoranthene
Concen: 0.25 ng
RT: 23.36 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:252 Resp: 6478

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.7	28.1
125	12.0	10.5	15.7



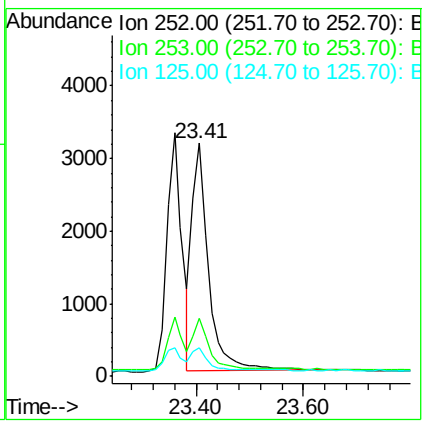


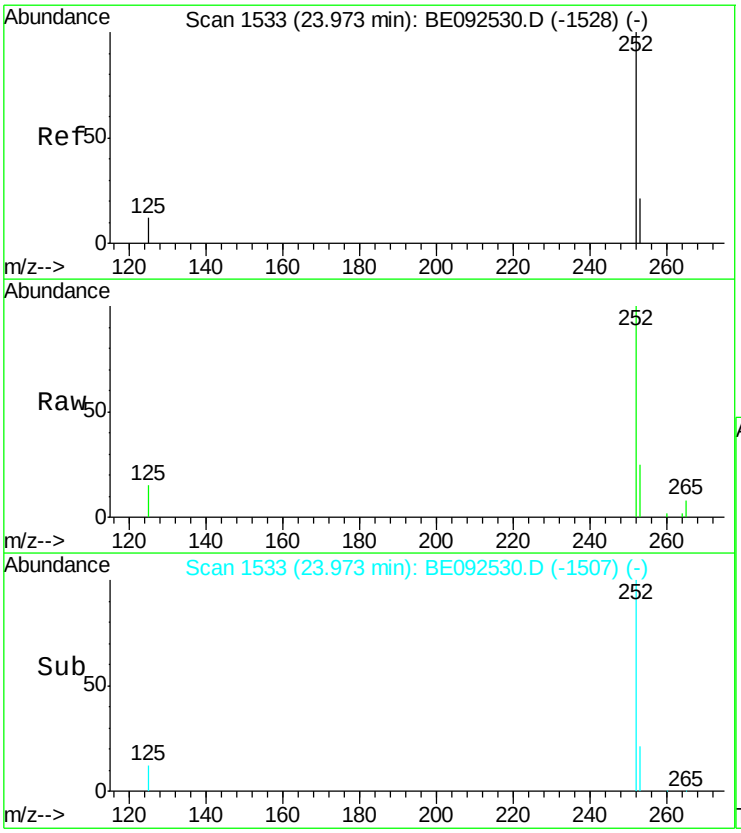
#33
Benzo(k)fluoranthene
Concen: 0.24 ng
RT: 23.41 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 6662

Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.3	30.5
125	12.2	9.6	14.4

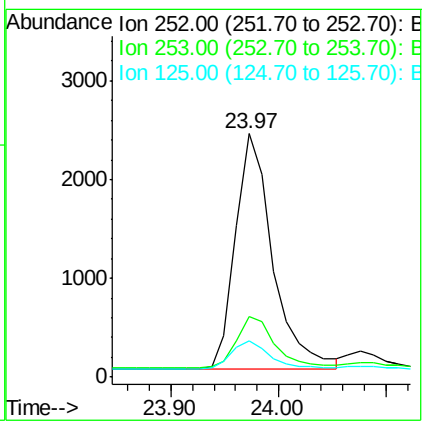


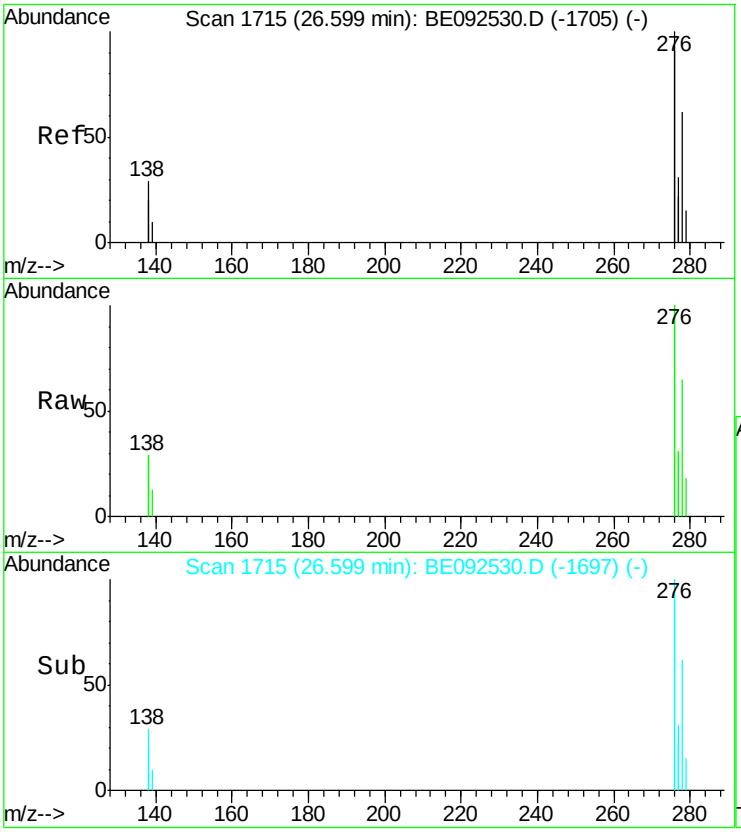


#34
Benzo(a)pyrene
Concen: 0.32 ng
RT: 23.97 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:252 Resp: 5764

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	14.7	11.8	17.8



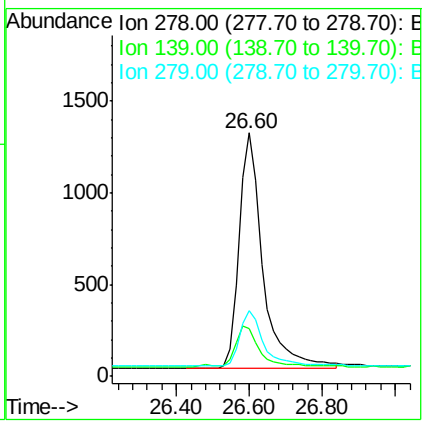


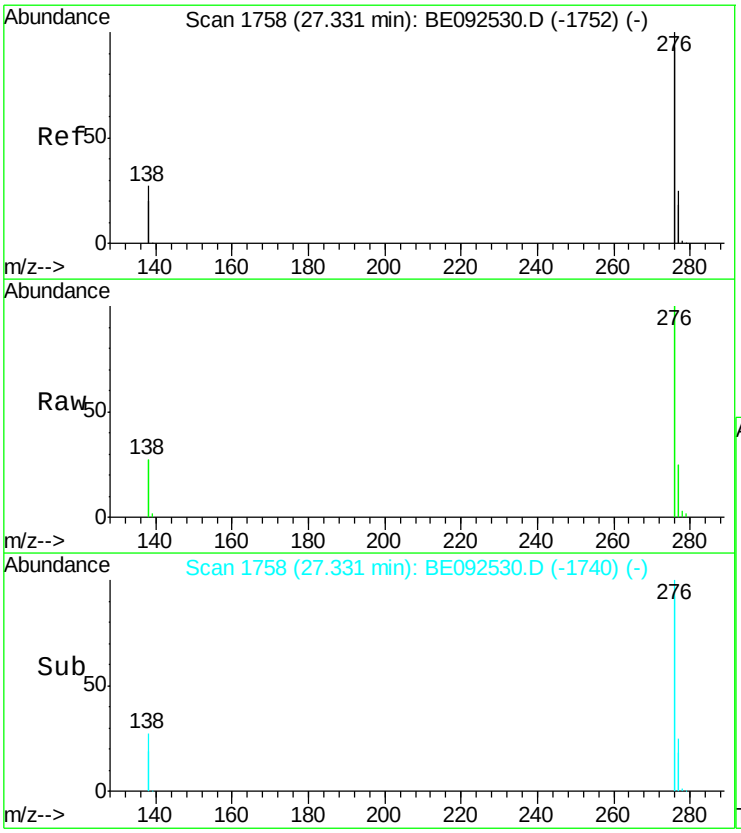
#35
Dibenzo(a,h)anthracene
Concen: 0.34 ng
RT: 26.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:278 Resp: 5742

Ion	Ratio	Lower	Upper
278	100		
139	19.4	13.8	20.8
279	27.2	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 27.33 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BE092530.D
Acq: 16 Nov 2016 11:38

Tgt Ion:276 Resp: 25015

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	27.0	19.8	29.6