Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102516\
Data File : BE092478.D
Acq On : 25 Oct 2016 14:04
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC010

Quant Time: Oct 25 15:36:40 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 13:01:19 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	10668	5.00	ng		0.00
7) Naphthalene-d8	10.95	136	54337	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	36786	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	65068	5.00	ng		-0.02
24) Chrysene-d12	21.75	240	88333	5.00	ng		0.00
31) Perylene-d12	24.11	264	71383	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	0.00	112	0d	0.00	ng		
5) Phenol-d6	0.00	99	0d	0.00	ng		
8) Nitrobenzene-d5	9.32	82	39764	12.24	ng		-0.05
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
14) 2-Fluorobiphenyl	13.43	172	92289	10.60	ng		-0.01
26) Terphenyl-d14	20.17	244	118553	10.82	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	11171	8.25	ng		92
3) n-Nitrosodimethylamine	3.74	42	18391	14.67	ng		95
6) bis(2-Chloroethyl)ether	7.59	93	30152	11.56	ng	#	27
9) Naphthalene	10.99	128	111615	9.49	ng	#	94
10) Hexachlorobutadiene	11.28	225	16805	9.08	ng		99
11) 2-Methylnaphthalene	12.61	142	75453	9.69	ng		98
15) Acenaphthylene	14.53	152	543581	10.20	ng		100
16) Acenaphthene	14.87	154	79169	9.49	ng		93
17) Fluorene	15.85	166	101441	9.59	ng		100
19) Hexachlorobenzene	16.89	284	29818	10.71	ng	#	63
21) Phenanthrene	17.60	178	180670	12.08	ng	#	95
22) Anthracene	17.69	178	181846	12.65	ng		99
23) Fluoranthene	19.61	202	739799	10.41	ng		99
25) Pyrene	19.97	202	788550	10.30	ng		99
27) Benzo(a)anthracene	21.72	228	834511m	9.69	ng		
28) Chrysene	21.77	228	805524m	10.22	ng		
30) Indeno(1,2,3-cd)pyrene	26.60	276	801964	9.59	ng		97
32) Benzo(b)fluoranthene	23.37	252	195862	11.33	ng		95
33) Benzo(k)fluoranthene	23.43	252	170726	9.44	ng		95
34) Benzo(a)pyrene	24.00	252	176009	10.39	ng		94
35) Dibenzo(a,h)anthracene	26.63	278	166506	10.72	ng	#	94
36) Benzo(g,h,i)perylene	27.38	276	683098	10.24	ng		97

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

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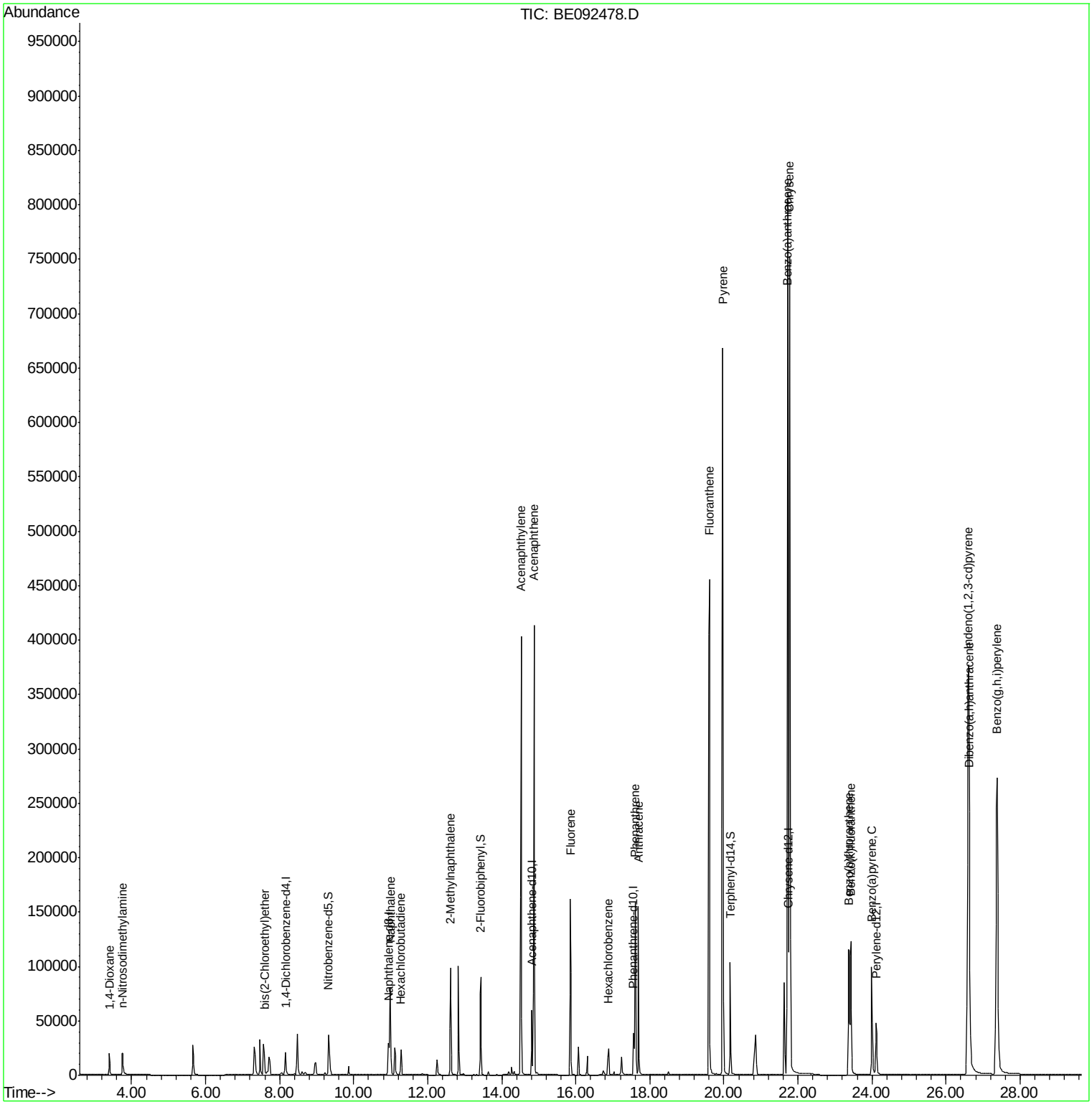
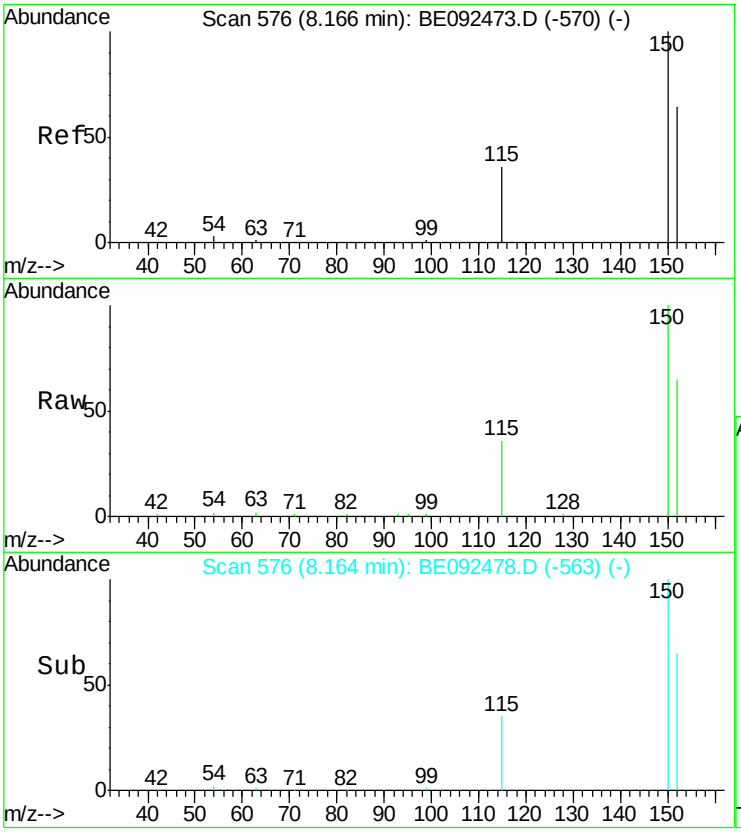


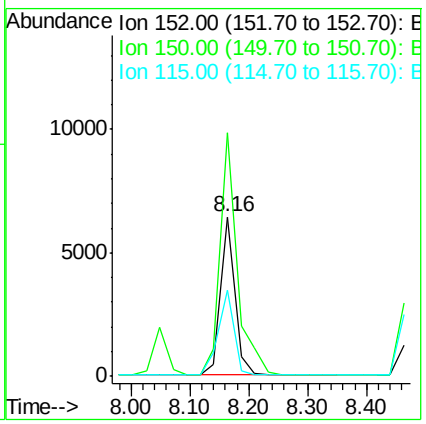


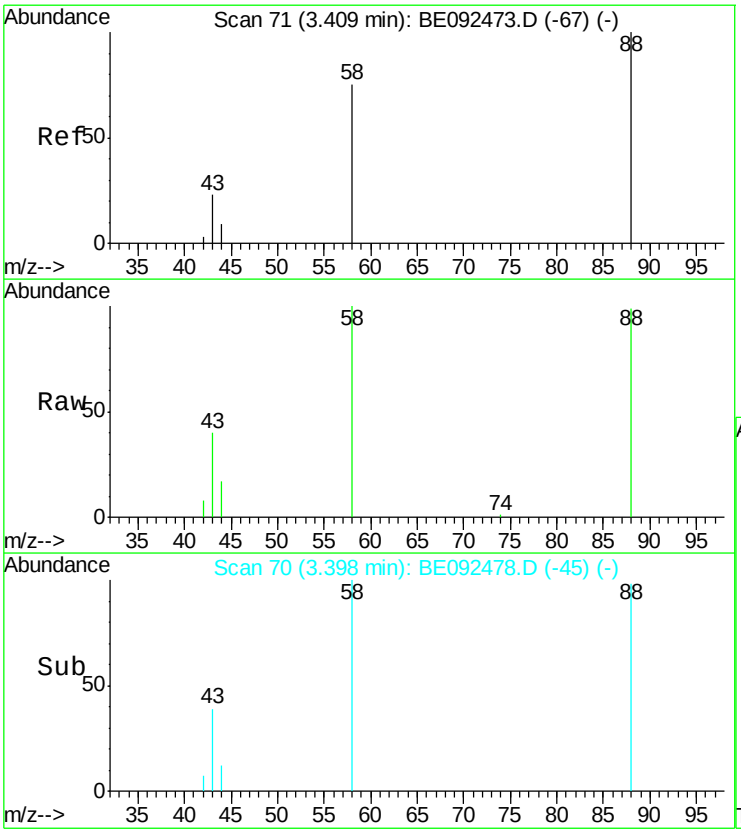
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 10668

Ion	Ratio	Lower	Upper
152	100		
150	152.7	106.0	159.0
115	54.4	31.2	46.8#

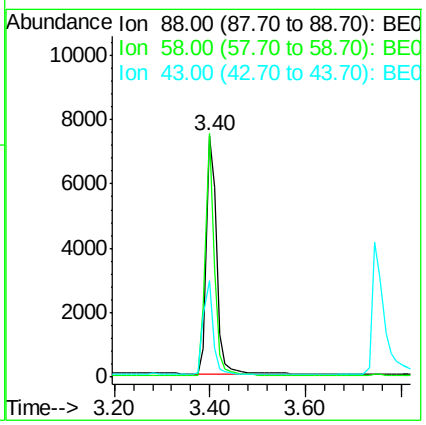


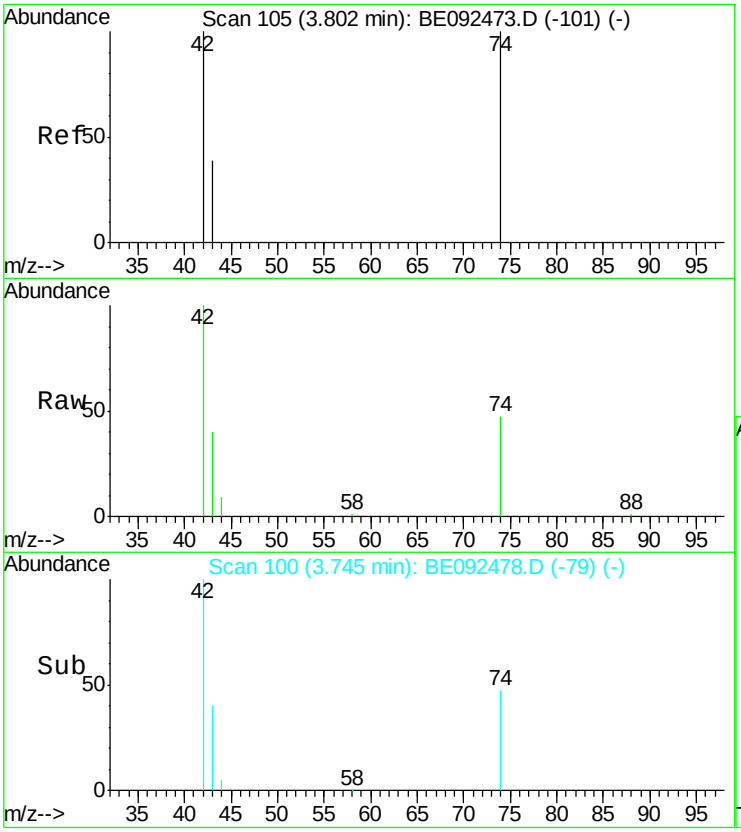


#2
1,4-Dioxane
Concen: 8.25 ng
RT: 3.40 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion: 88 Resp: 11171

Ion	Ratio	Lower	Upper
88	100		
58	87.9	63.6	95.4
43	37.5	28.0	42.0



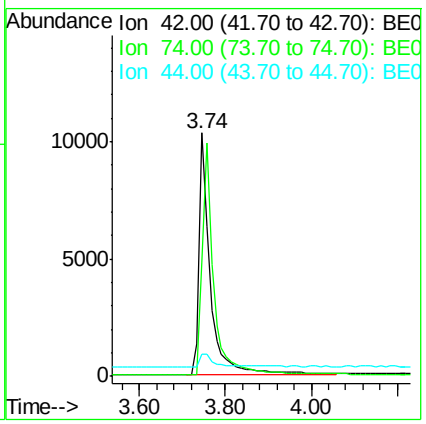


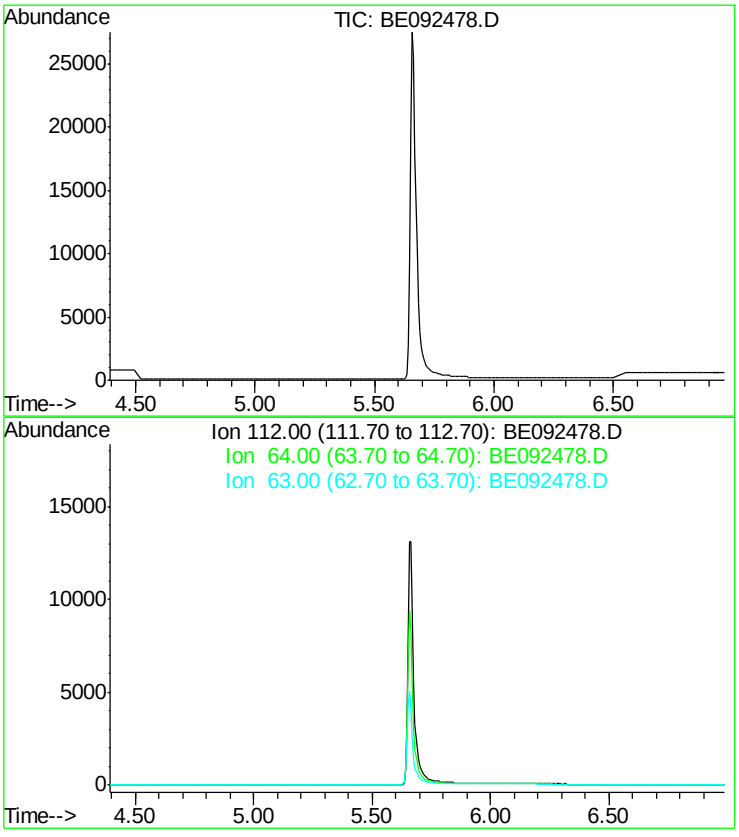
#3
n-Nitrosodimethylamine
Concen: 14.67 ng
RT: 3.74 min Scan# 100
Delta R.T. -0.06 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion: 42 Resp: 18391

Ion	Ratio	Lower	Upper
42	100		
74	102.1	86.0	129.0
44	6.5	5.1	7.7



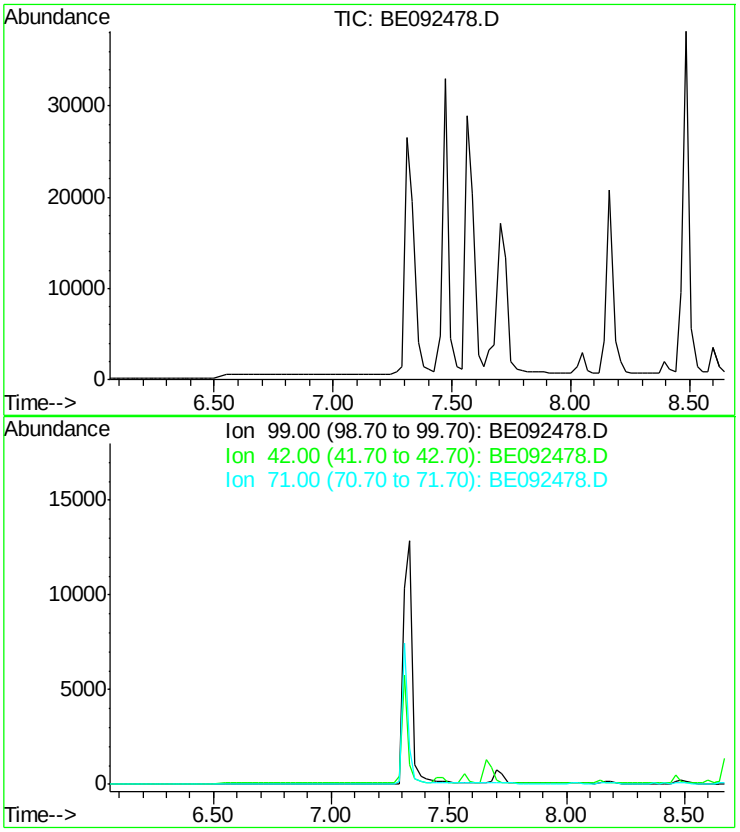


#4
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.69 min

Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	66.9
63	34.9



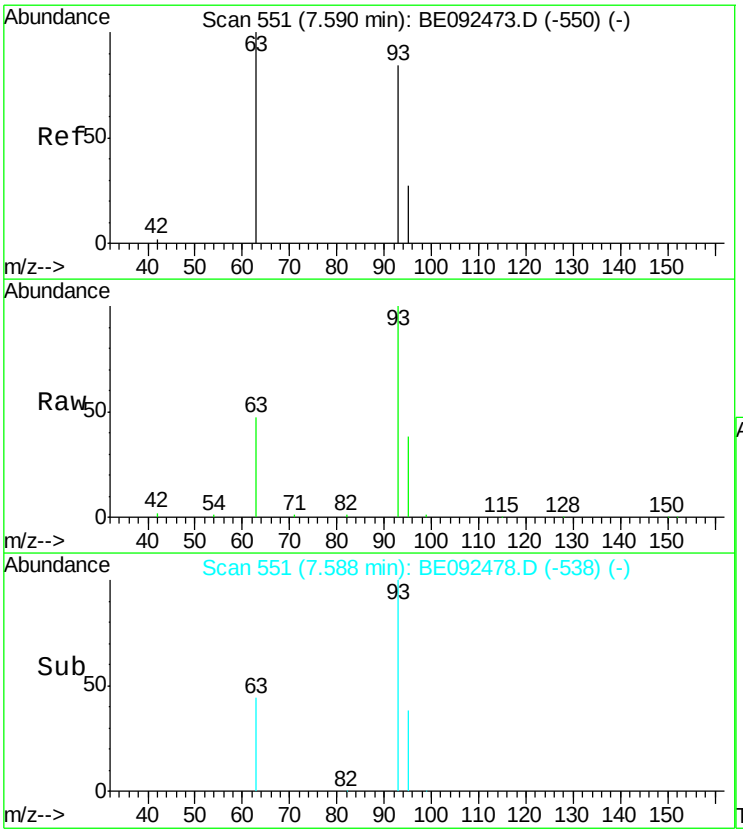
#5
Phenol-d6
Concen: 0.00 ng
Expected RT: 7.36 min

Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	20.0
71	38.2

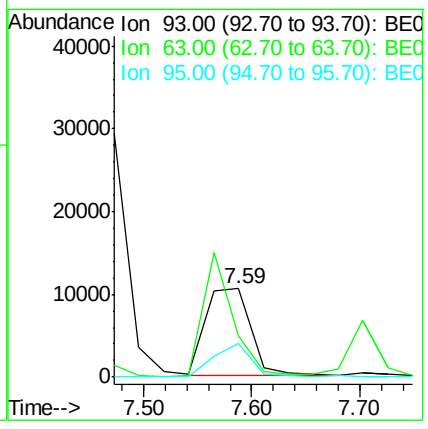
Instrument :
BNA_E
ClientSampleId :
SSTDICC010

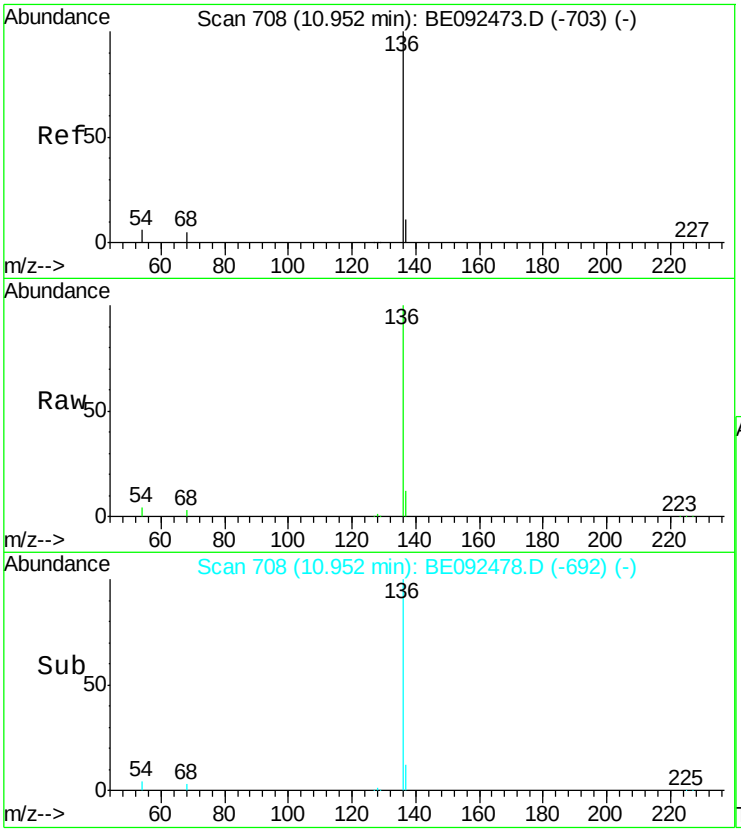


#6
bis(2-Chloroethyl)ether
Concen: 11.56 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion: 93 Resp: 30152

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	33.2	24.0	36.0



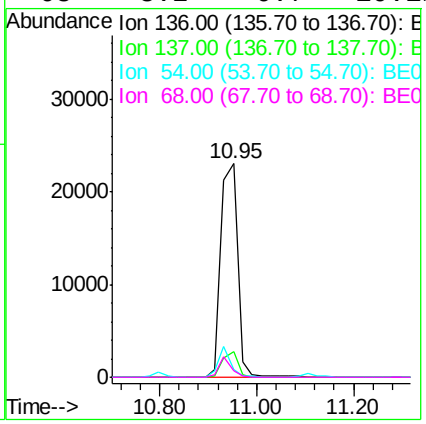


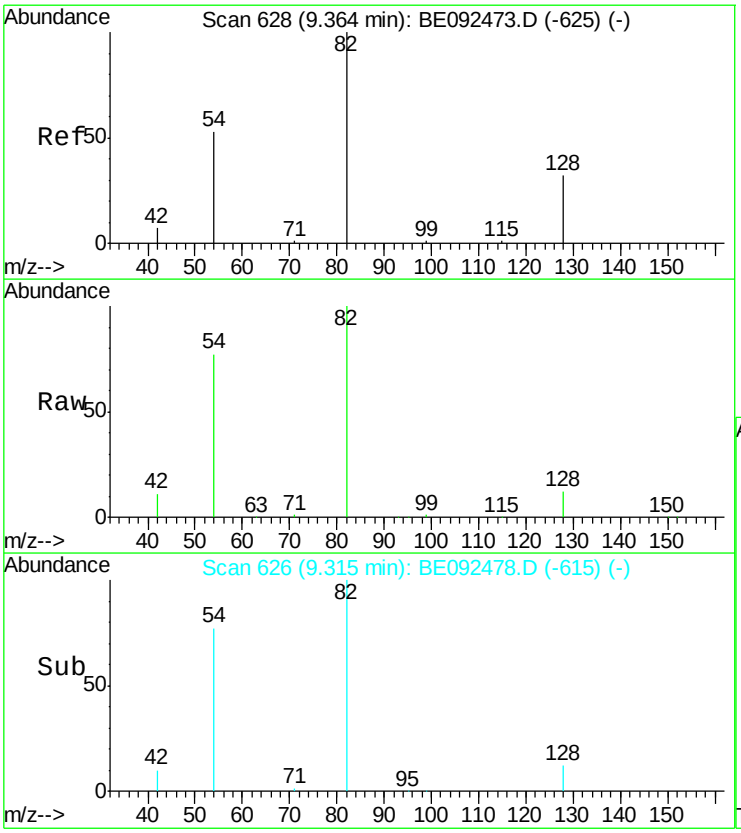
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 54337

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.2	12.4
54	3.9	9.6	14.4#
68	3.2	6.7	10.1#

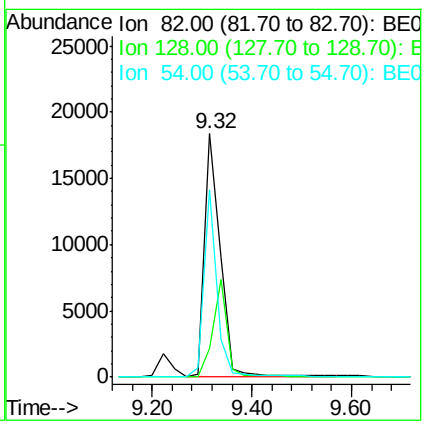


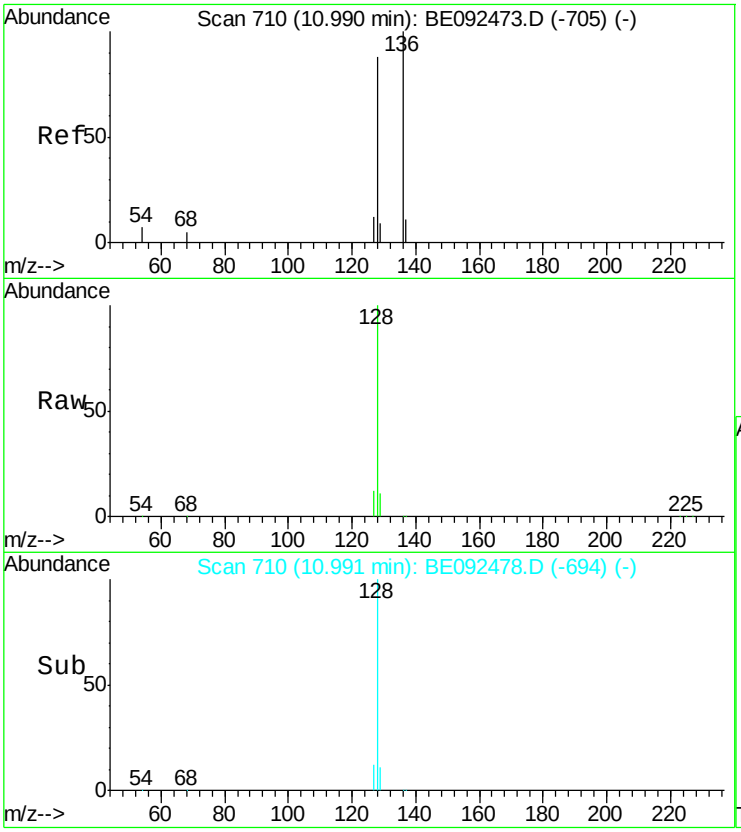


#8
Nitrobenzene-d5
Concen: 12.24 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion: 82 Resp: 39764

Ion	Ratio	Lower	Upper
82	100		
128	11.8	39.0	58.4#
54	76.8	44.8	67.2#



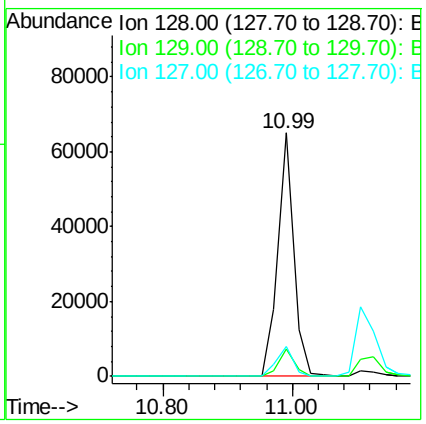


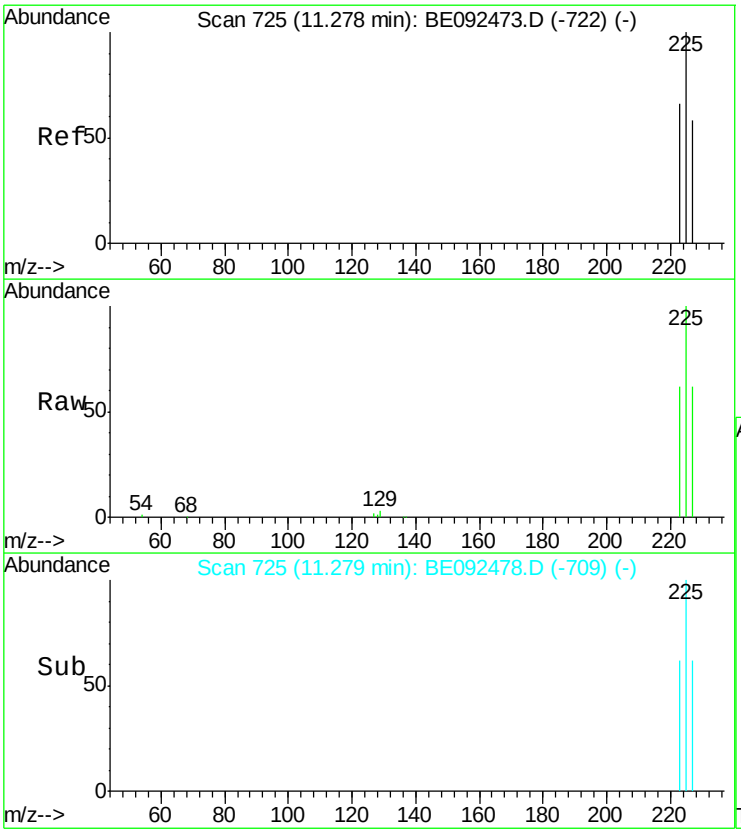
#9
Naphthalene
Concen: 9.49 ng
RT: 10.99 min Scan# 710
Delta R.T. 0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 111615

Ion	Ratio	Lower	Upper
128	100		
129	11.1	11.2	16.8#
127	12.5	11.6	17.4

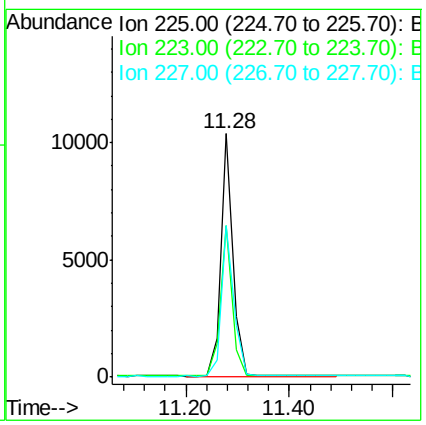


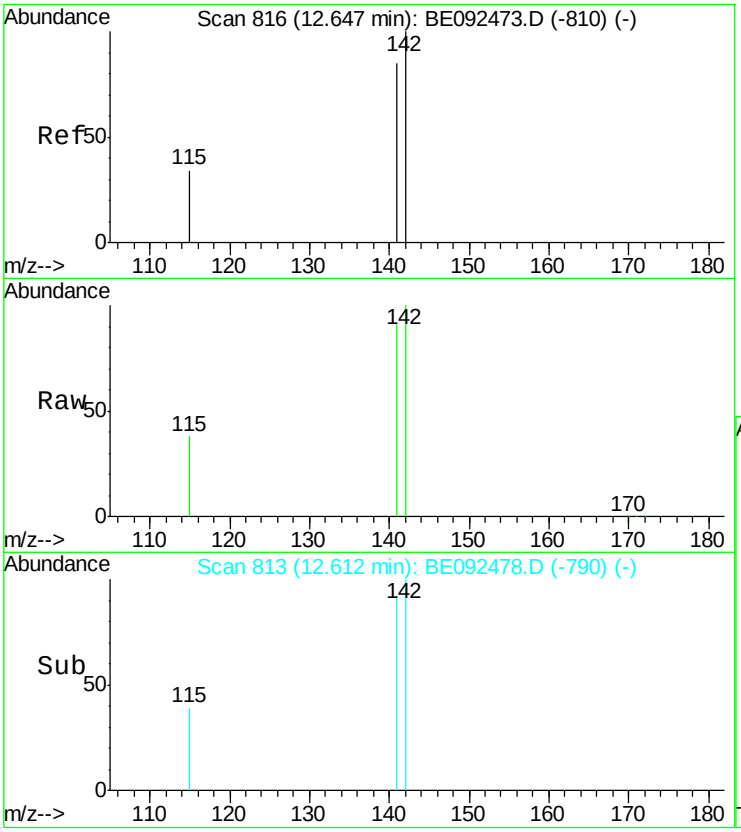


#10
Hexachlorobutadiene
Concen: 9.08 ng
RT: 11.28 min Scan# 725
Delta R.T. 0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:225 Resp: 16805

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	76.0
227	63.8	51.4	77.0



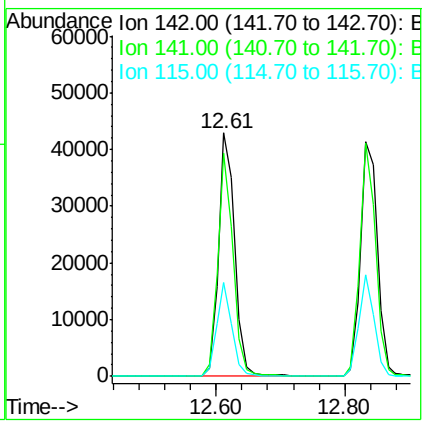


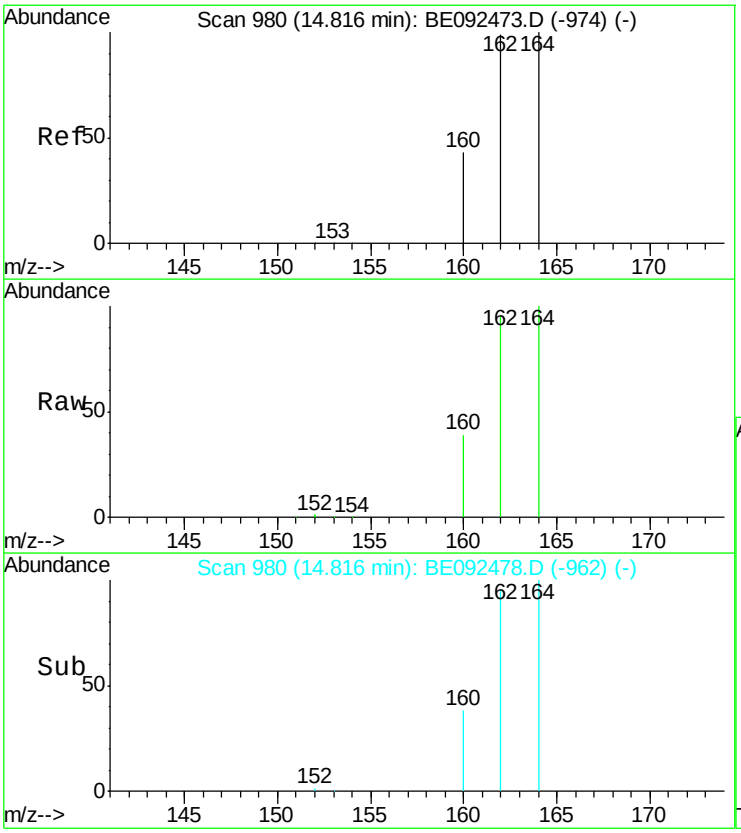
#11
2-Methylnaphthalene
Concen: 9.69 ng
RT: 12.61 min Scan# 813
Delta R.T. -0.03 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 75453

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.7	110.5
115	38.5	34.0	51.0

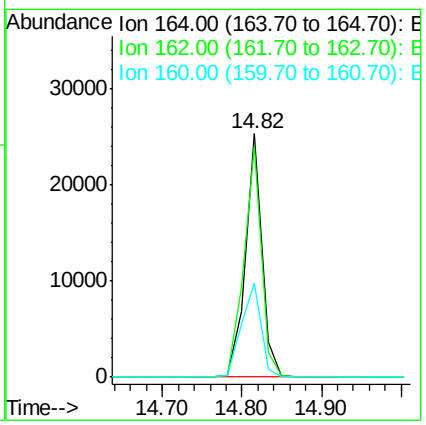


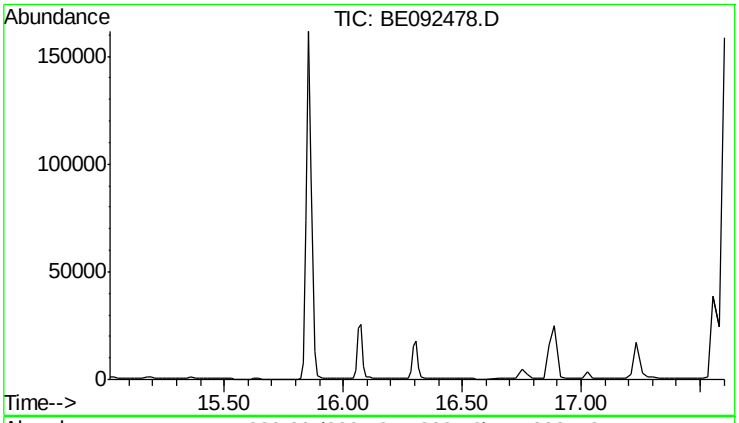


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:164 Resp: 36786

Ion	Ratio	Lower	Upper
164	100		
162	95.0	71.4	107.0
160	38.5	27.4	41.2





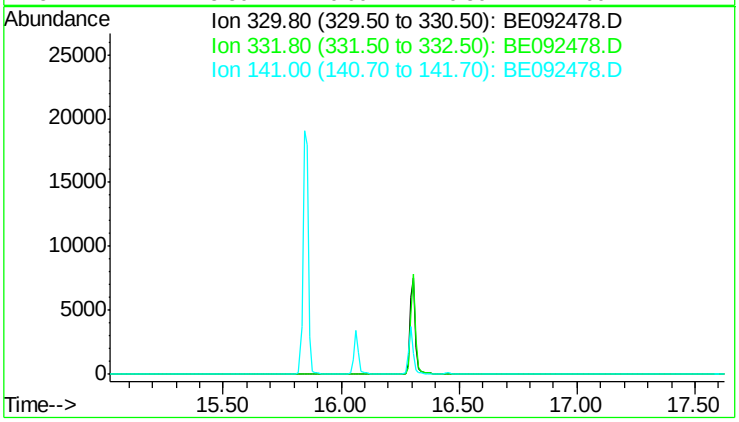
#13
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 16.32 min

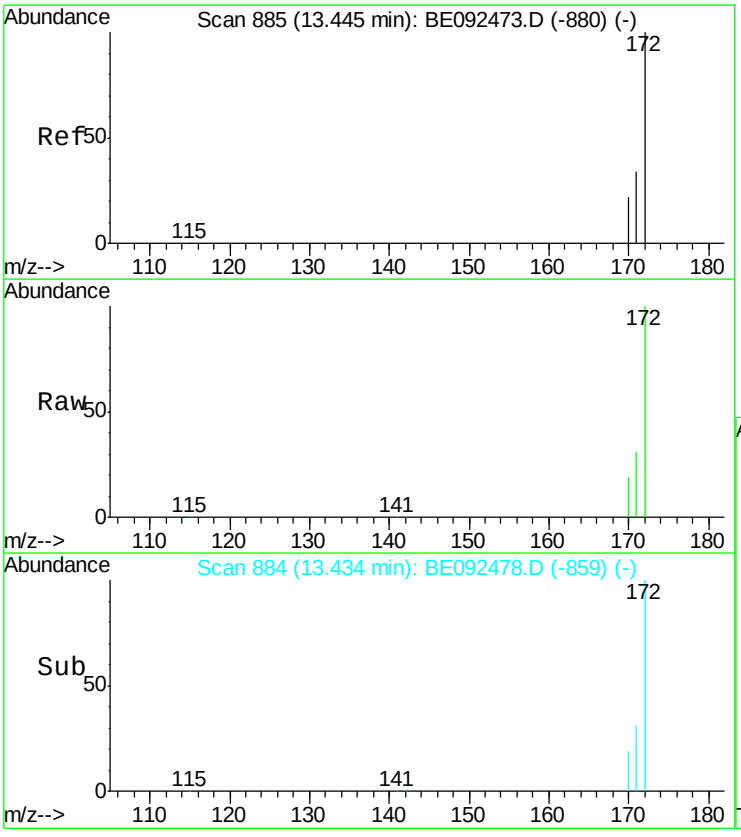
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.2
141	38.8

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

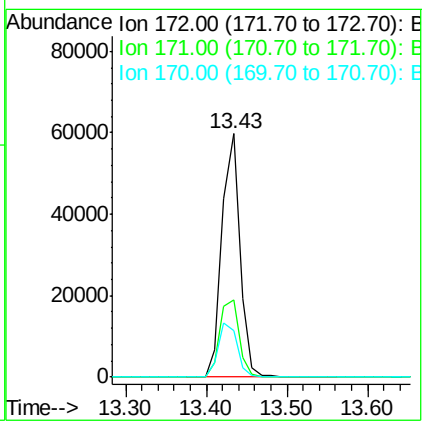


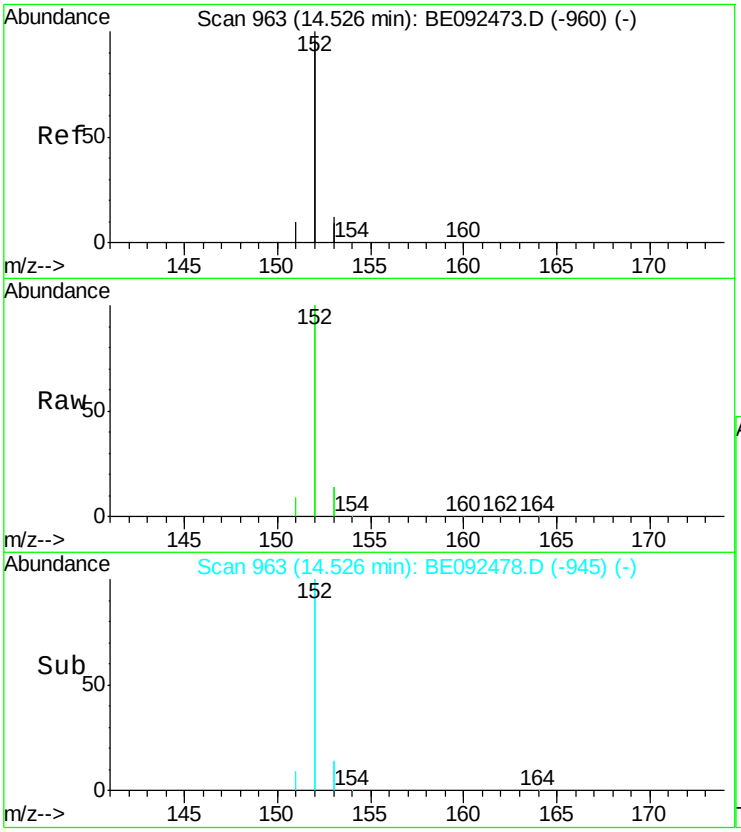


#14
2-Fluorobiphenyl
Concen: 10.60 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:172 Resp: 92289

Ion	Ratio	Lower	Upper
172	100		
171	31.5	30.1	45.1
170	19.3	21.8	32.6#



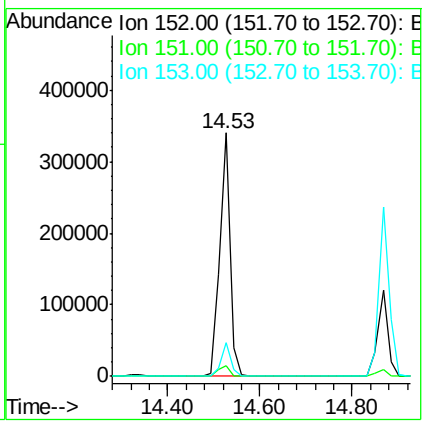


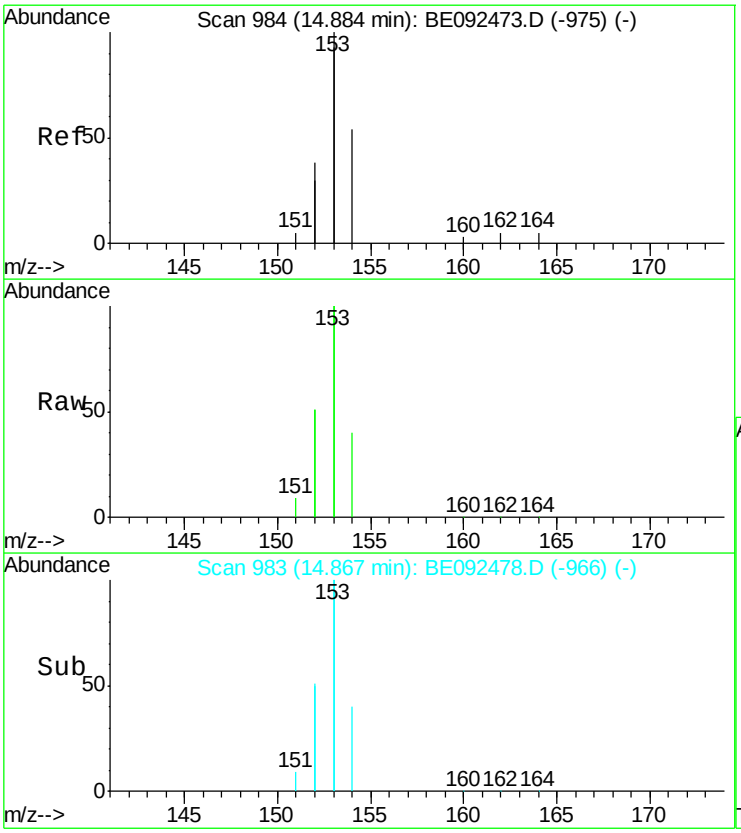
#15
Acenaphthylene
Concen: 10.20 ng
RT: 14.53 min Scan# 963
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 543581

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

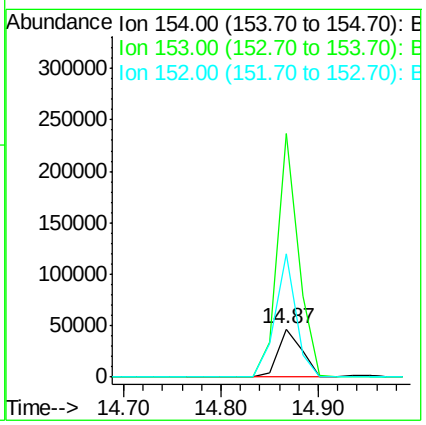


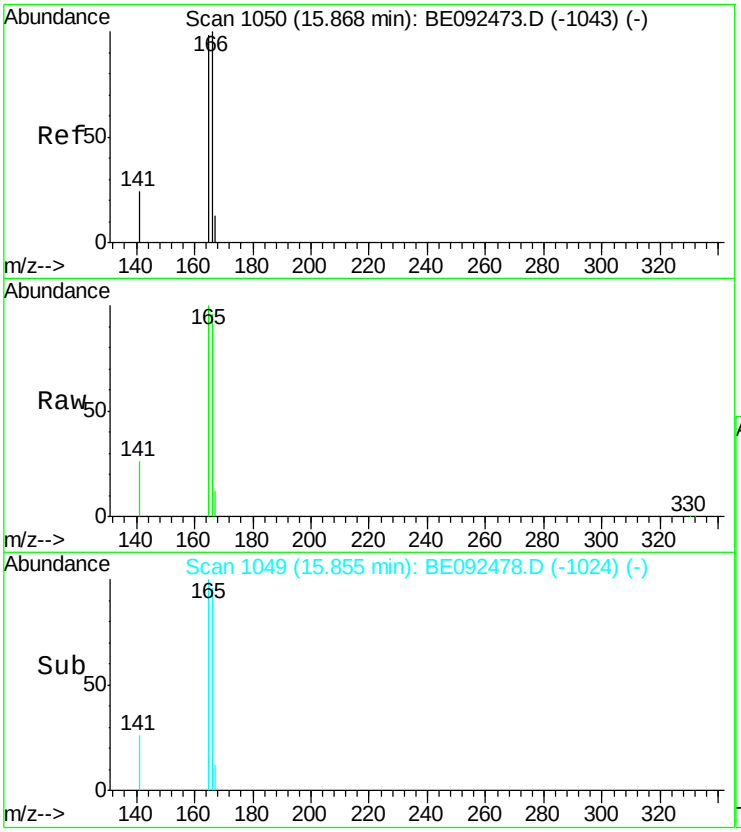


#16
Acenaphthene
Concen: 9.49 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:154 Resp: 79169

Ion	Ratio	Lower	Upper
154	100		
153	454.7	350.8	526.2
152	226.4	171.1	256.7



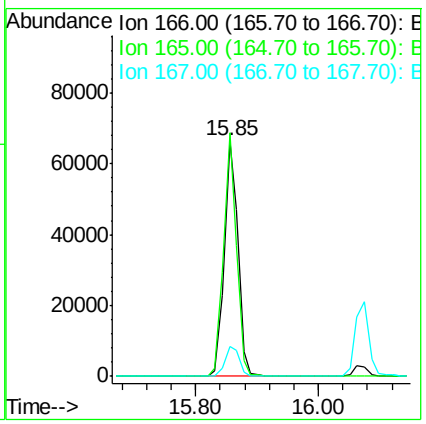


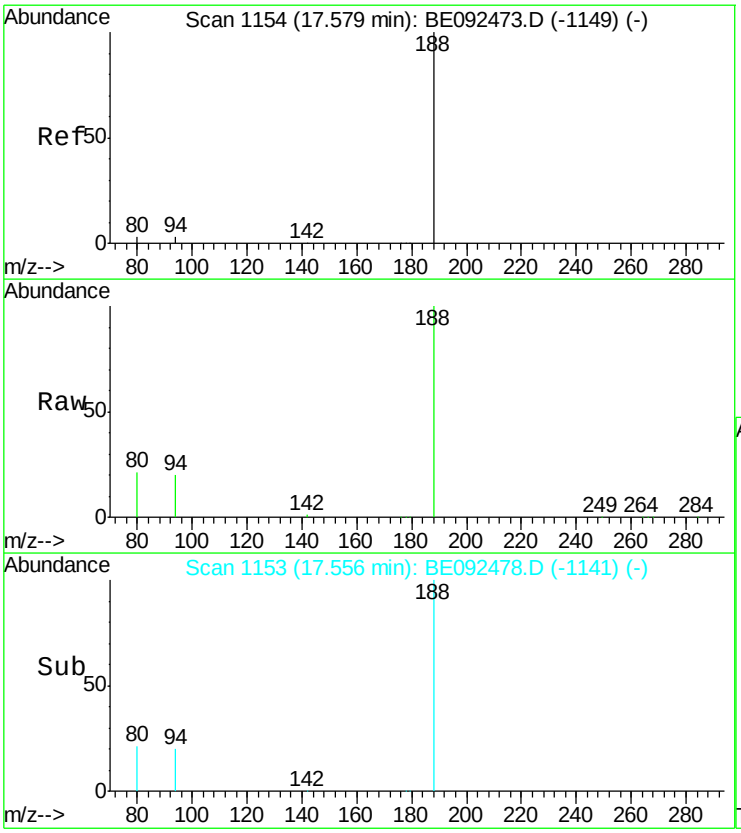
#17
Fluorene
Concen: 9.59 ng
RT: 15.85 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:166 Resp: 101441

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.2	117.4
167	13.6	11.0	16.4

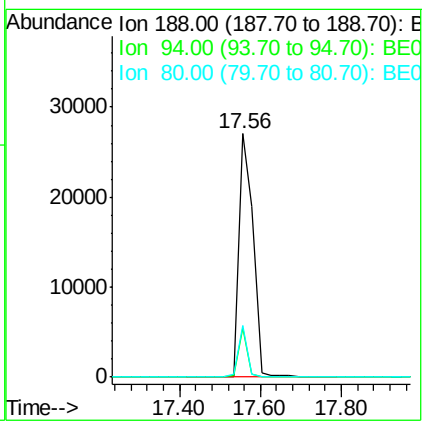


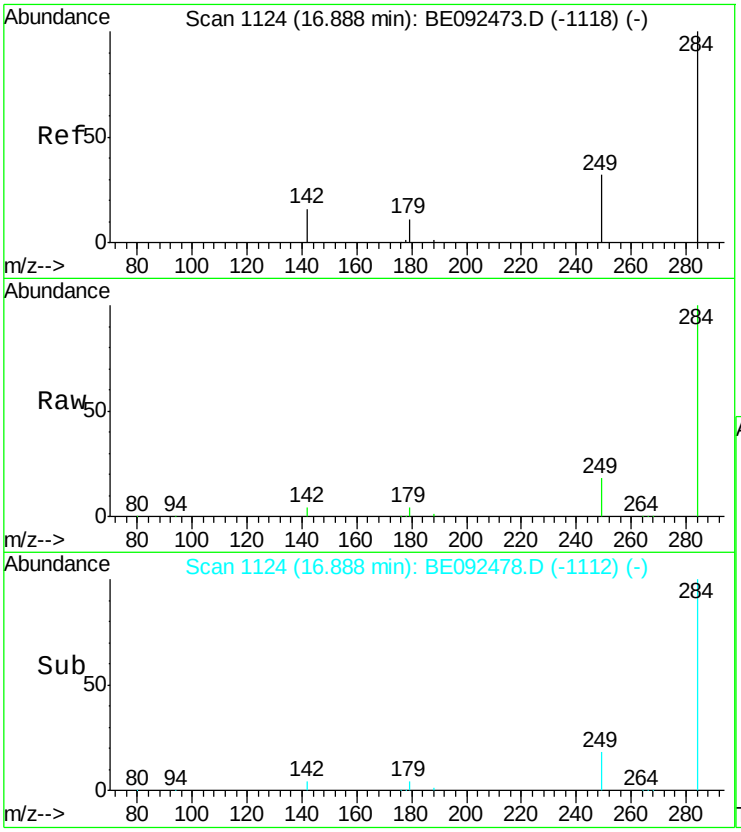


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:188 Resp: 65068

Ion	Ratio	Lower	Upper
188	100		
94	20.0	3.2	4.8#
80	21.1	2.6	3.8#



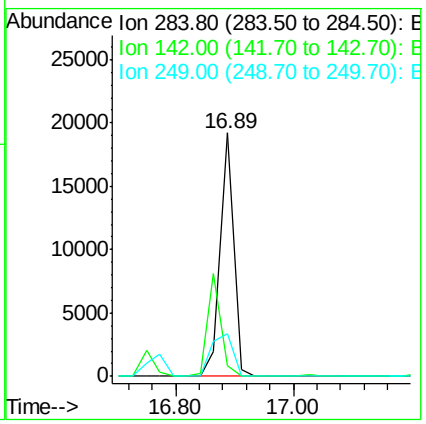


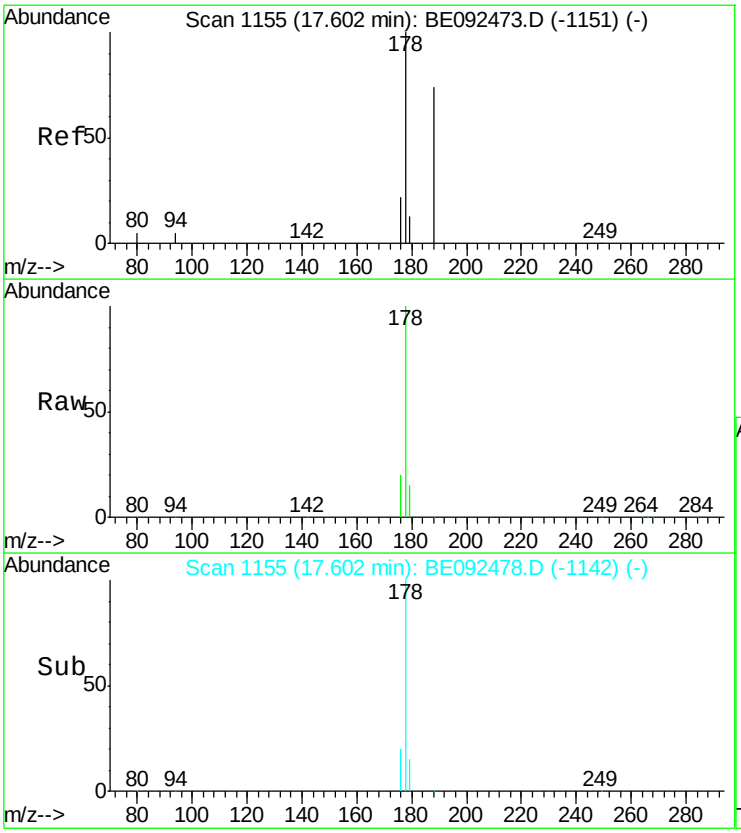
#19
Hexachlorobenzene
Concen: 10.71 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:284 Resp: 29818

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	28.6	27.9	41.9

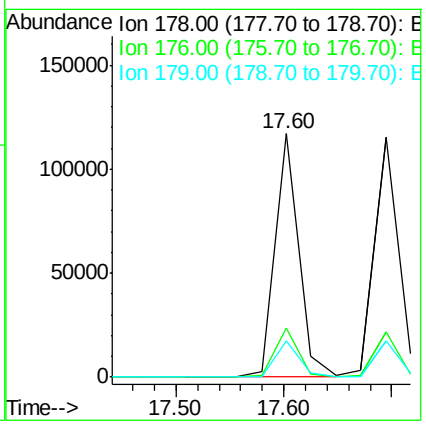


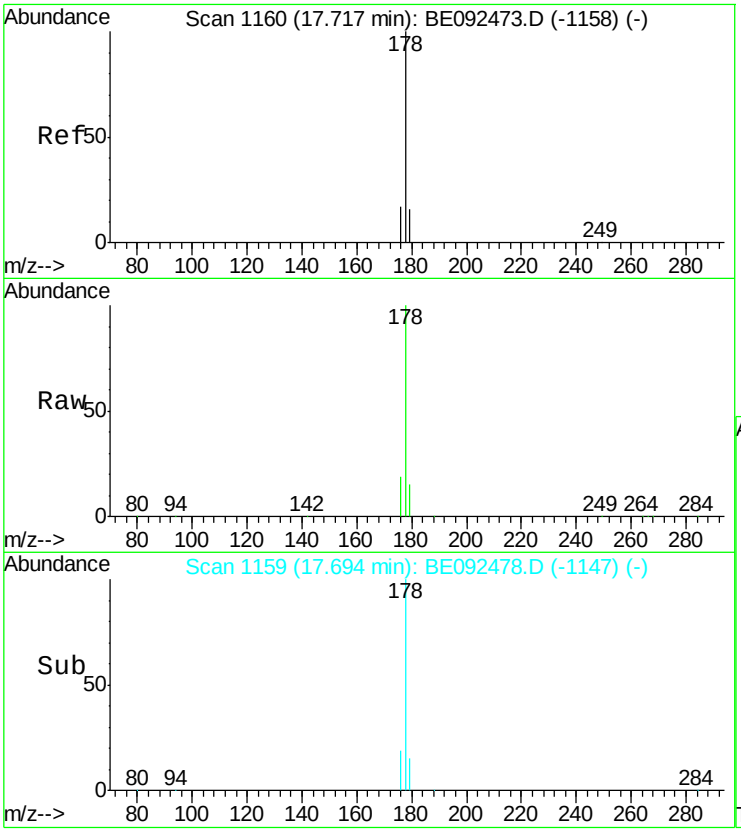


#21
Phenanthrene
Concen: 12.08 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:178 Resp: 180670

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.1	16.0	24.0#



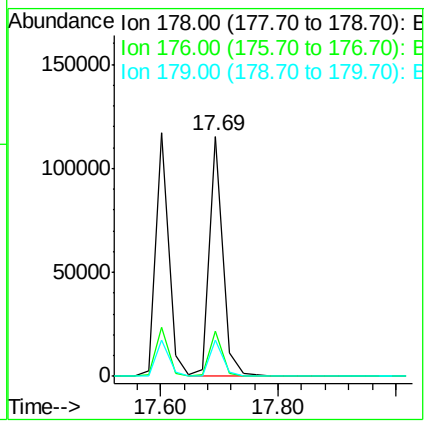


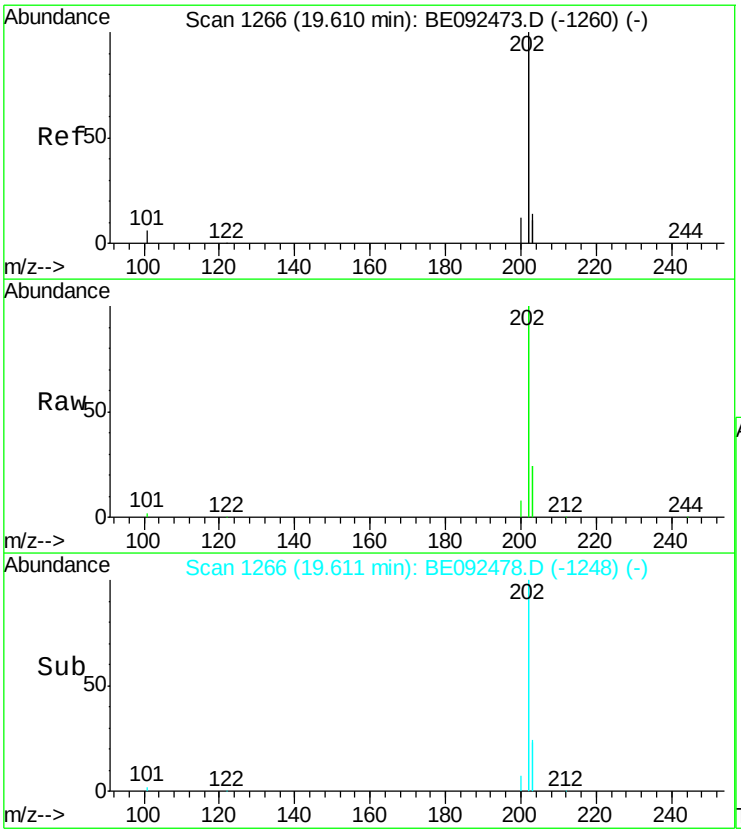
#22
Anthracene
Concen: 12.65 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 181846

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.2

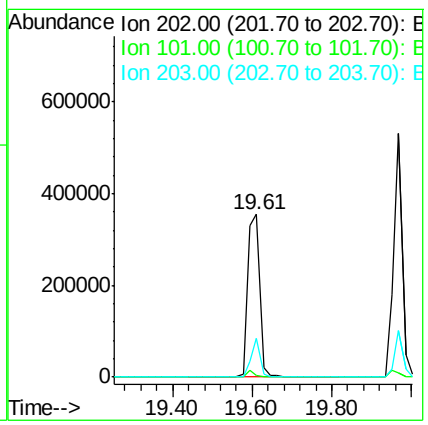


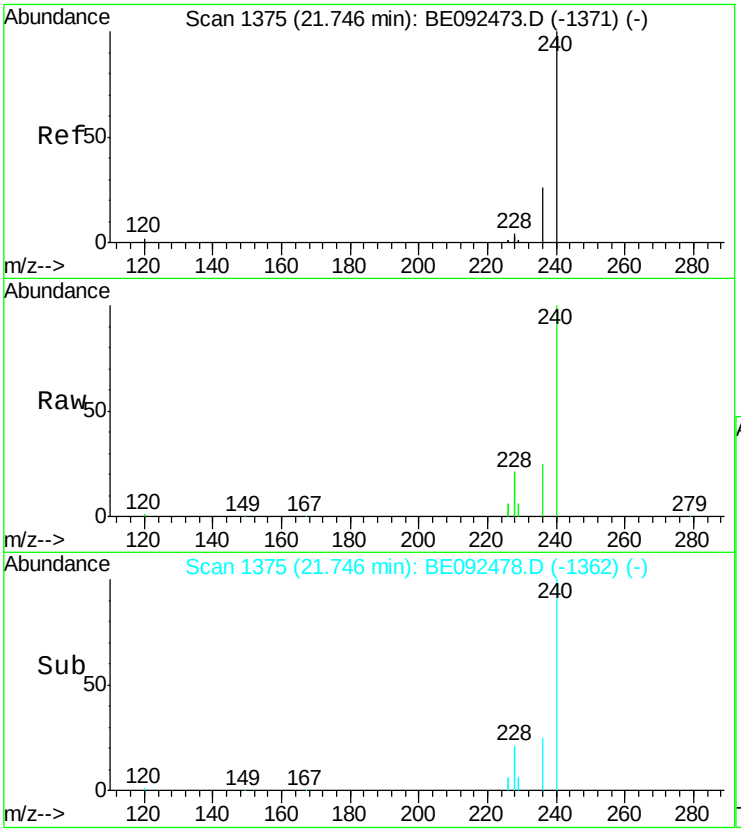


#23
Fluoranthene
Concen: 10.41 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:202 Resp: 739799

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.5	13.7	20.5



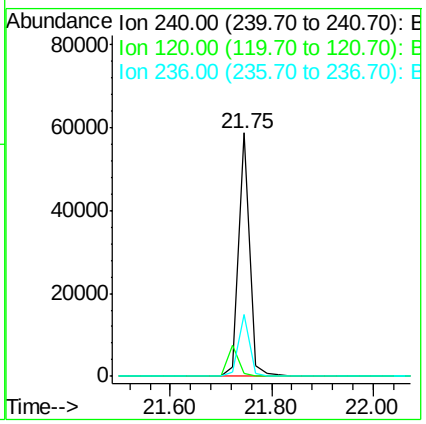


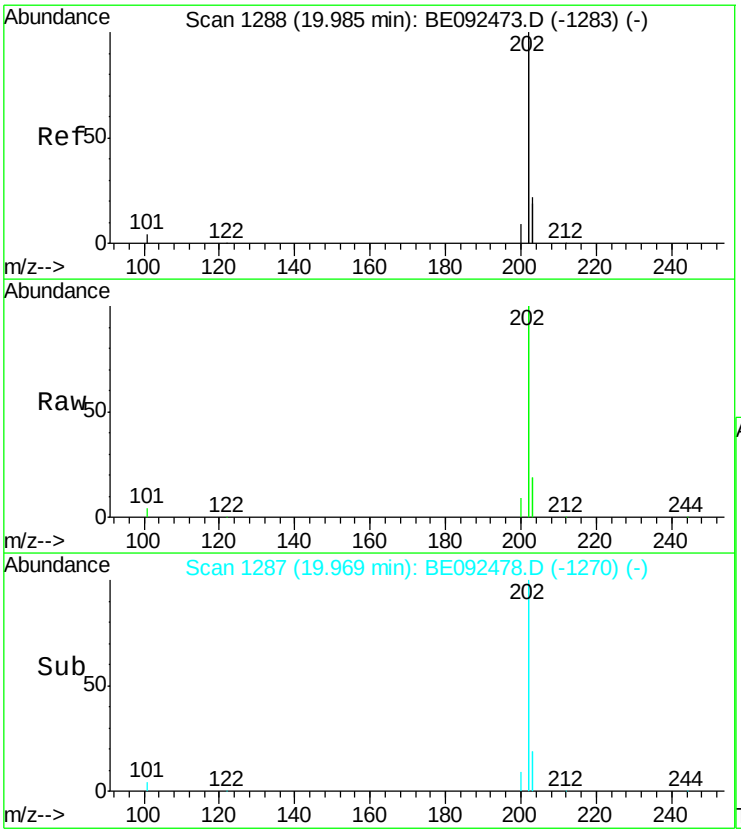
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:240 Resp: 88333

Ion	Ratio	Lower	Upper
240	100		
120	1.2	2.6	4.0#
236	25.4	24.6	37.0

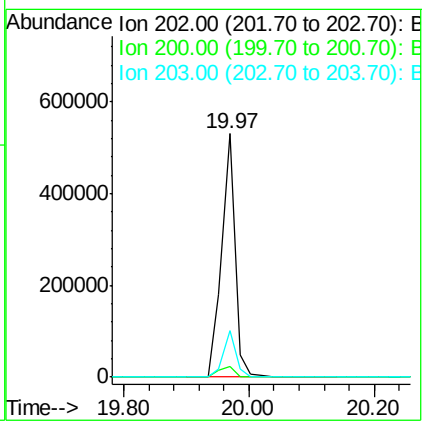


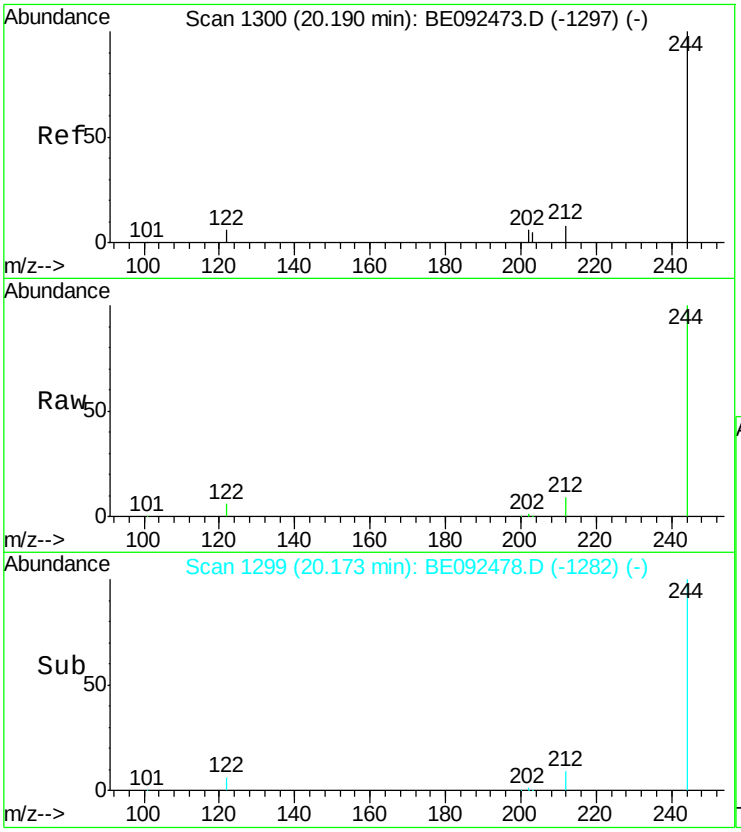


#25
Pyrene
Concen: 10.30 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:202 Resp: 788550

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.9	13.9	20.9



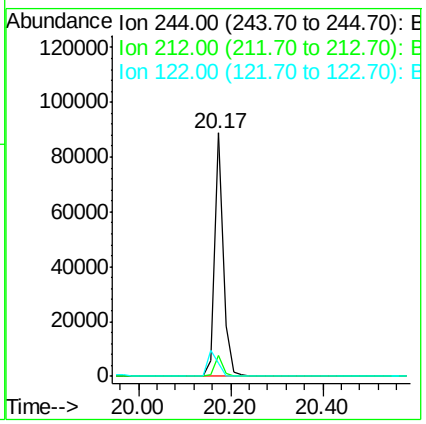


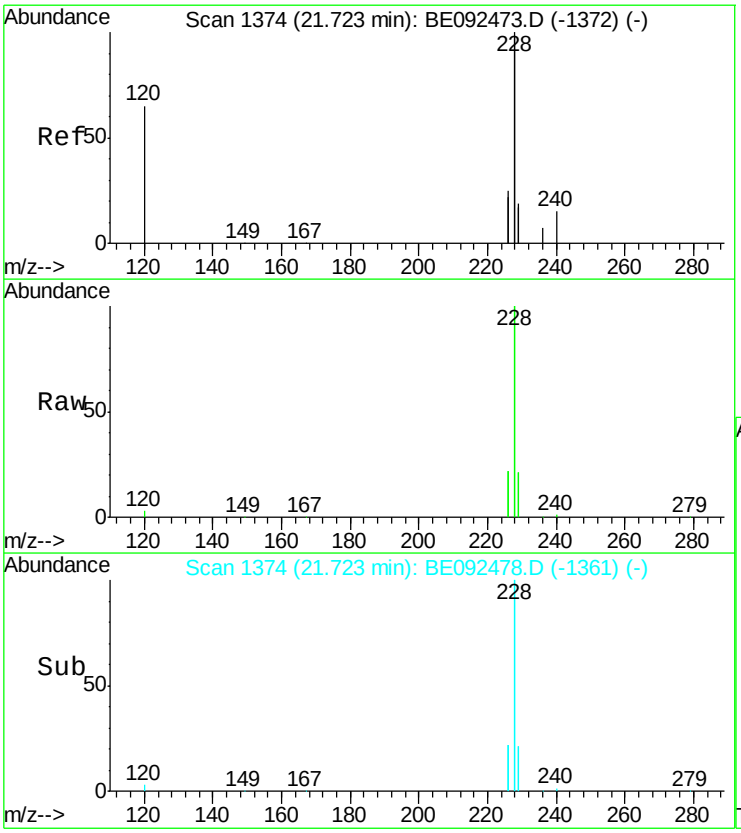
#26
Terphenyl-d14
Concen: 10.82 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 118553

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.7	10.1
122	5.6	3.6	5.4#

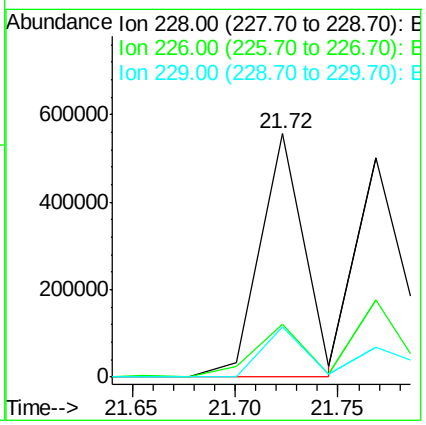


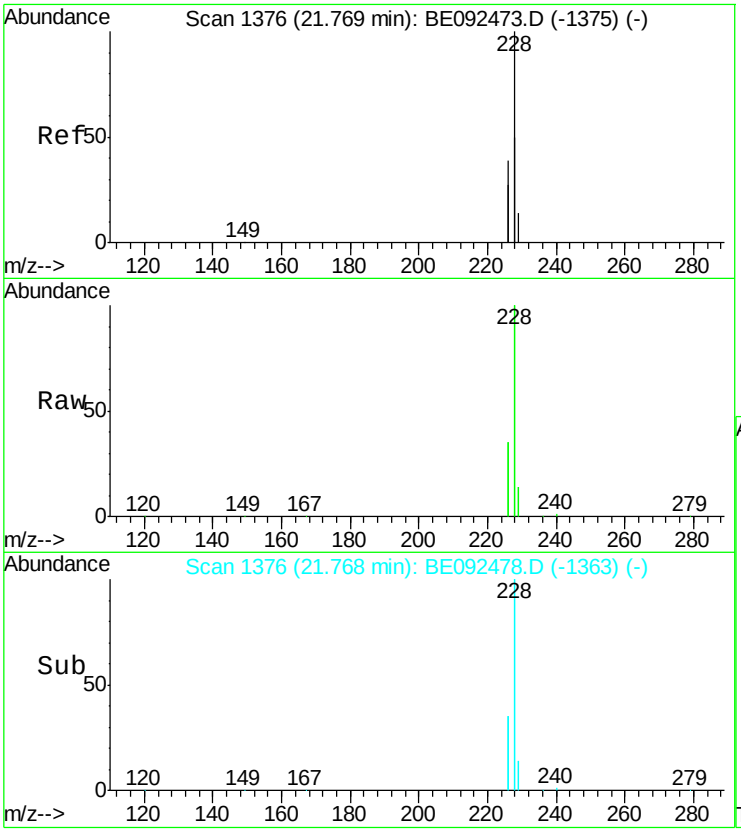


#27
Benzo(a)anthracene
Concen: 9.69 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:228 Resp: 834511

Ion	Ratio	Lower	Upper
228	100		
226	22.0	23.6	35.4#
229	20.7	13.3	19.9#



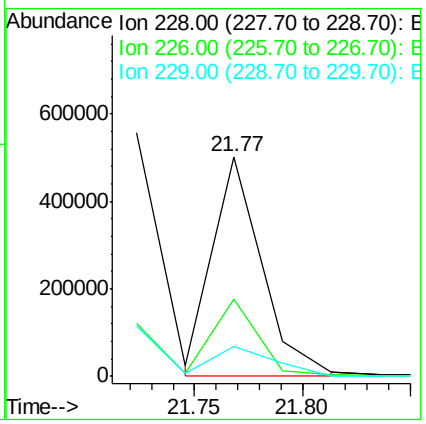


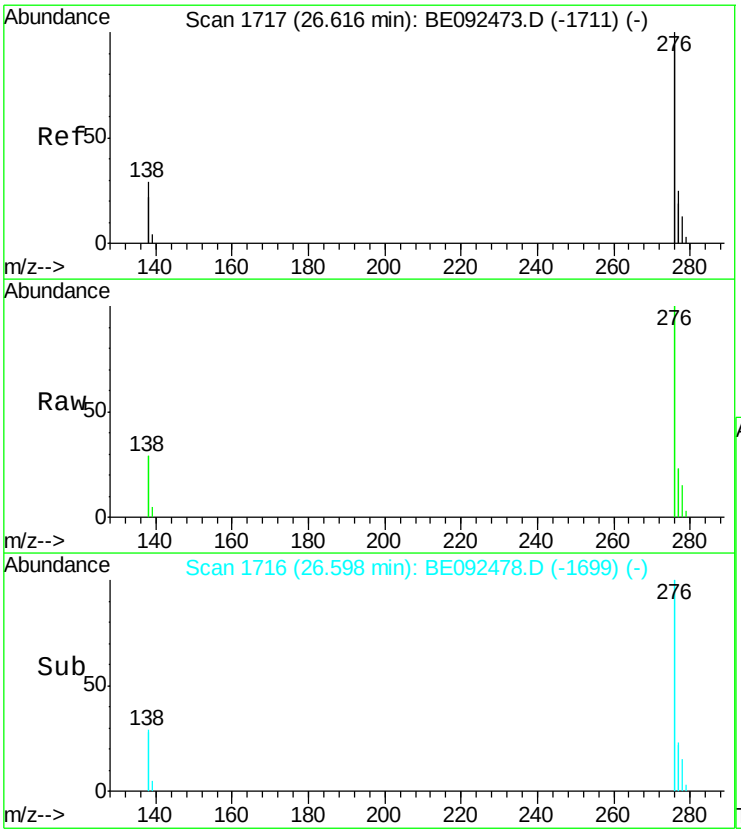
#28
Chrysene
Concen: 10.22 ng m
RT: 21.77 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 805524

Ion	Ratio	Lower	Upper
228	100		
226	35.3	36.3	54.5#
229	13.6	10.6	16.0

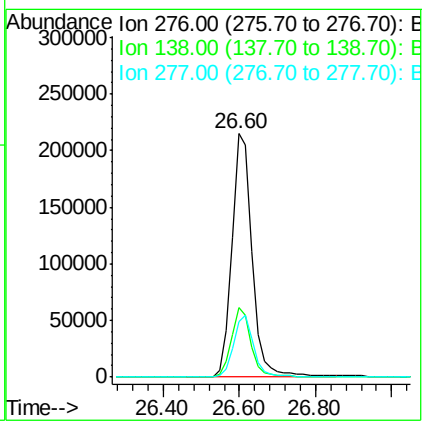


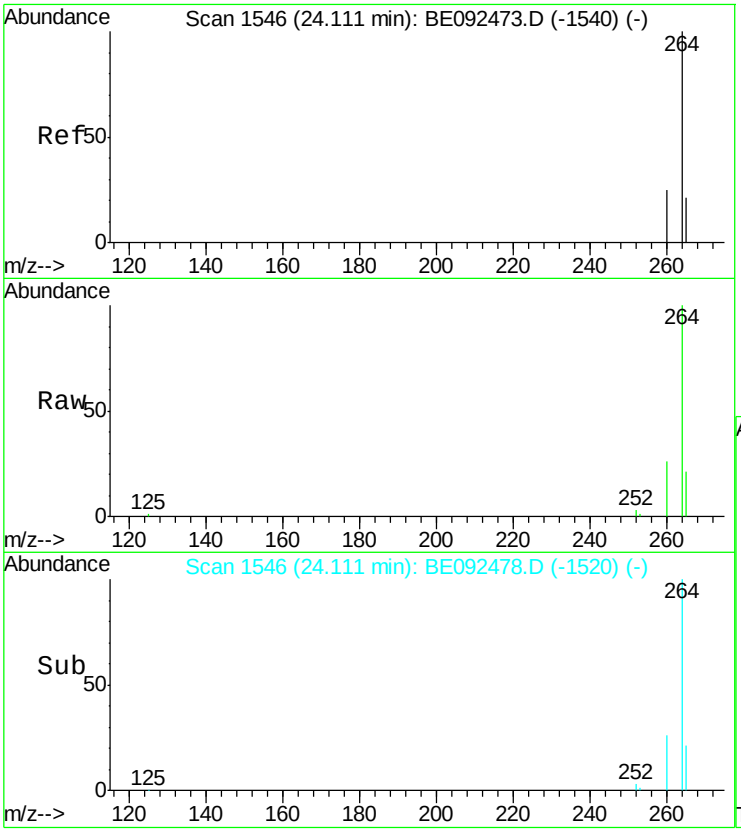


#30
Indeno(1,2,3-cd)pyrene
Concen: 9.59 ng
RT: 26.60 min Scan# 1716
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:276 Resp: 801964

Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.3	30.5
277	24.8	19.7	29.5



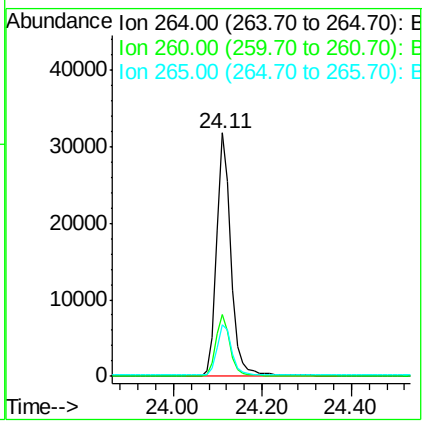


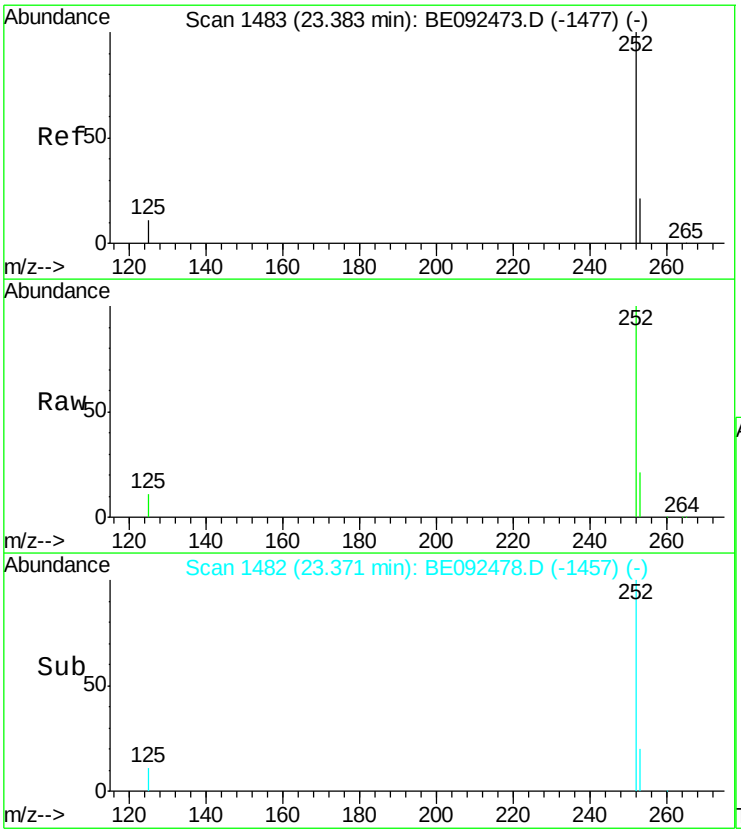
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:264 Resp: 71383

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	21.3	17.9	26.9

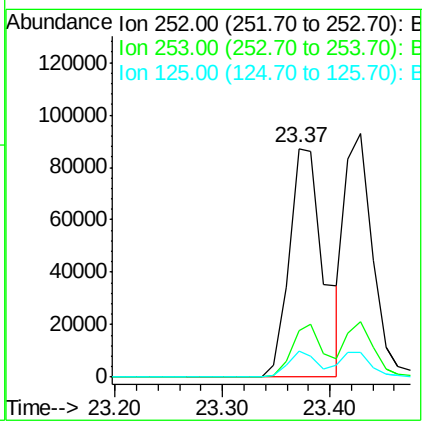


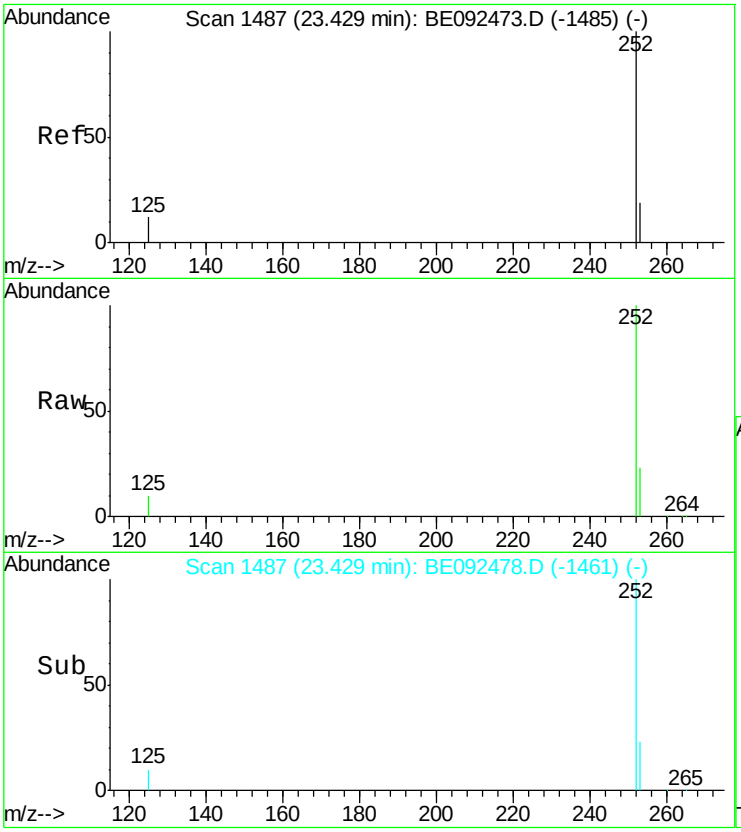


#32
Benzo(b)fluoranthene
Concen: 11.33 ng
RT: 23.37 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:252 Resp: 195862

Ion	Ratio	Lower	Upper
252	100		
253	20.6	18.7	28.1
125	11.4	10.5	15.7



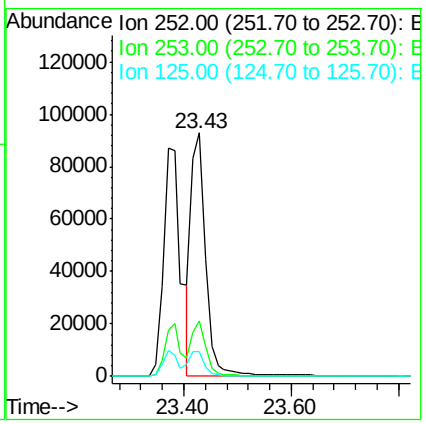


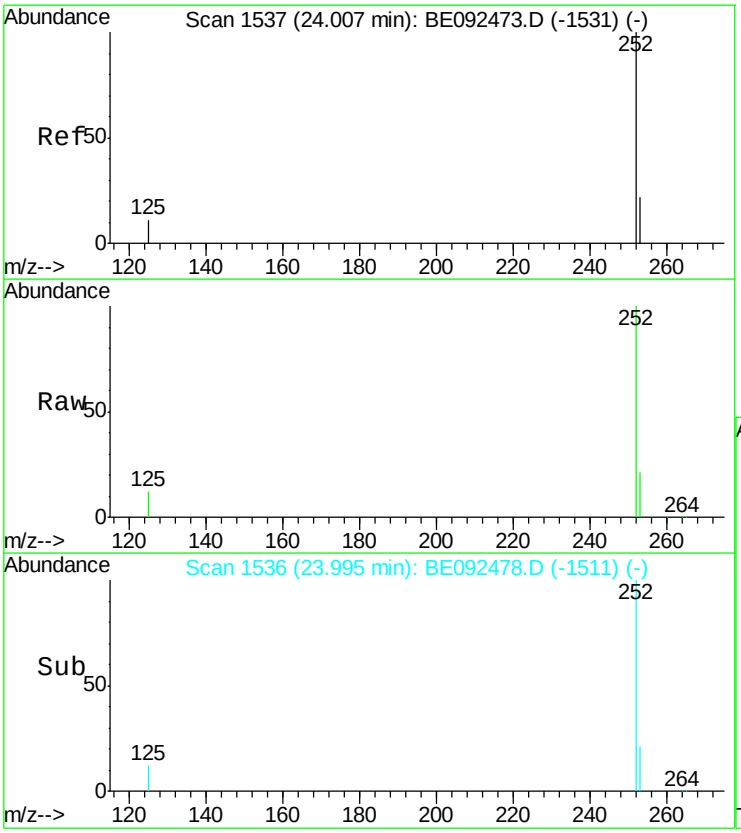
#33
Benzo(k)fluoranthene
Concen: 9.44 ng
RT: 23.43 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 170726

Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.3	30.5
125	10.0	9.6	14.4

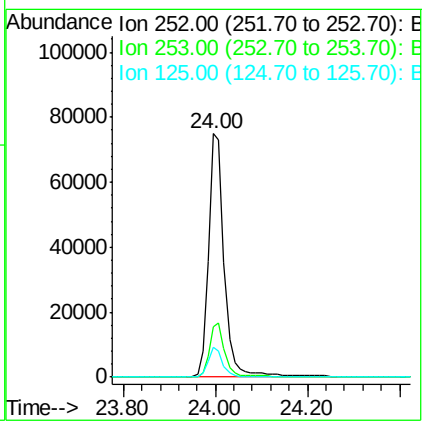


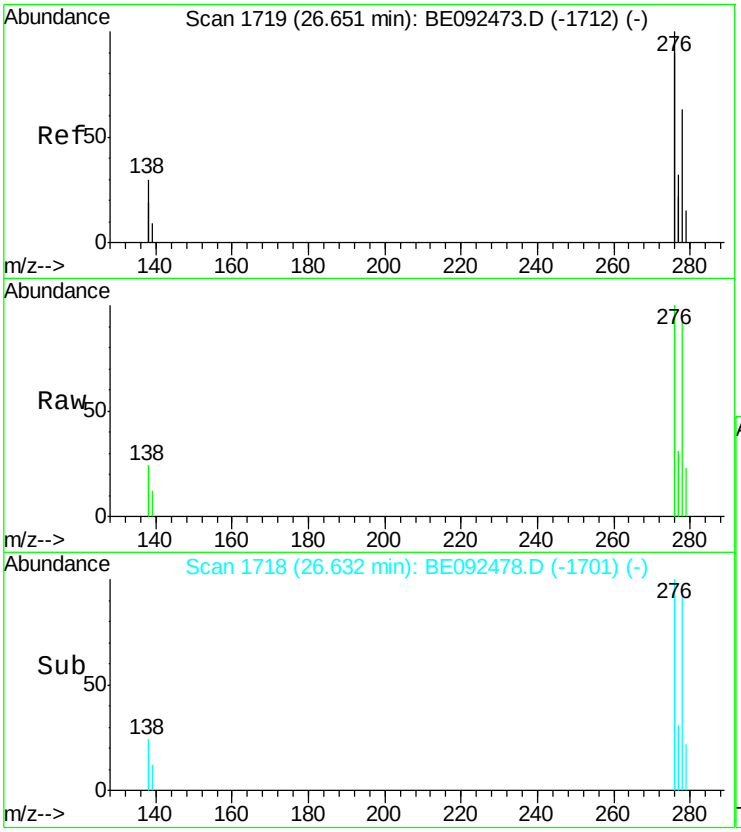


#34
Benzo(a)pyrene
Concen: 10.39 ng
RT: 24.00 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:252 Resp: 176009

Ion	Ratio	Lower	Upper
252	100		
253	20.8	19.0	28.6
125	12.2	11.8	17.8



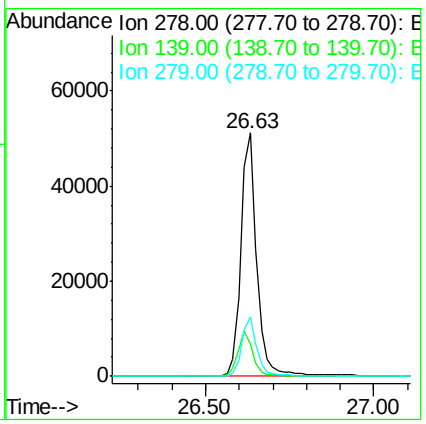


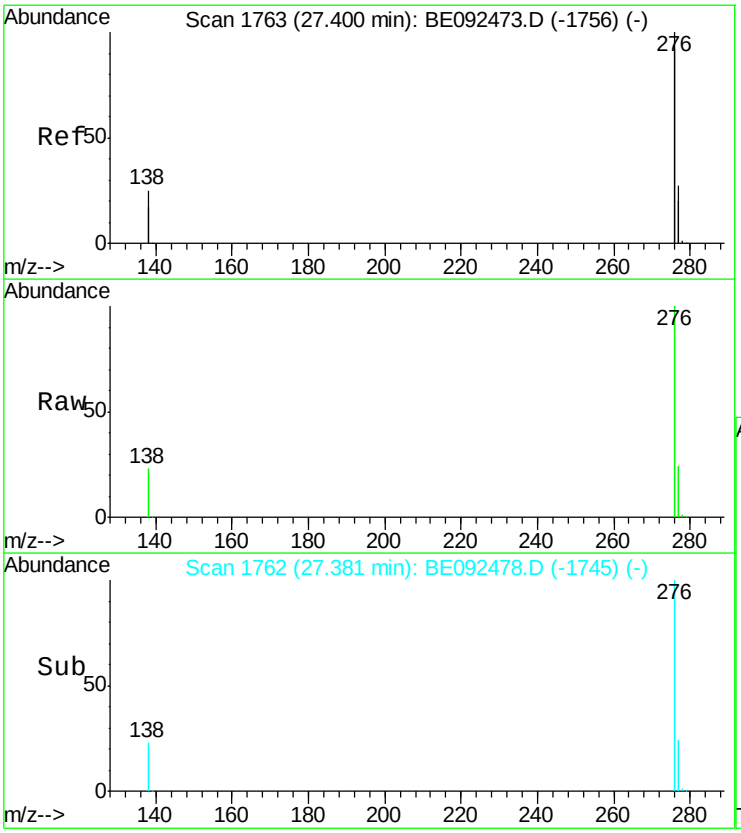
#35
Dibenzo(a,h)anthracene
Concen: 10.72 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 166506

Ion	Ratio	Lower	Upper
278	100		
139	13.5	13.8	20.8#
279	24.4	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 10.24 ng
RT: 27.38 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092478.D
Acq: 25 Oct 2016 14:04

Tgt Ion:276 Resp: 683098

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	22.5	19.8	29.6