Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120116\
Data File : BE092587.D
Acq On : 1 Dec 2016 14:36
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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12/2/2016 4:17:43 PM

Quant Time: Dec 02 12:59:46 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 15:43:18 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8138	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	41115	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	30160	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	66559	5.00	ng		0.00
24) Chrysene-d12	21.72	240	95773	5.00	ng		0.00
31) Perylene-d12	24.08	264	80993	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	474	0.34	ng		0.00
5) Phenol-d6	7.36	99	614	0.38	ng		0.00
8) Nitrobenzene-d5	9.36	82	723	0.35	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	203	0.30	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2410	0.33	ng		0.00
26) Terphenyl-d14	20.17	244	3501	0.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	498	0.41	ng		89
3) n-Nitrosodimethylamine	3.79	42	332	0.41	ng		97
6) bis(2-Chloroethyl)ether	7.59	93	833m	0.37	ng		
9) Naphthalene	10.97	128	2963	0.35	ng	#	95
10) Hexachlorobutadiene	11.26	225	446	0.35	ng		99
11) 2-Methylnaphthalene	12.63	142	1786	0.33	ng		96
15) Acenaphthylene	14.51	152	13648	0.32	ng		100
16) Acenaphthene	14.87	154	2293	0.33	ng		96
17) Fluorene	15.86	166	2784	0.33	ng		97
19) Hexachlorobenzene	16.87	284	1030	0.39	ng	#	82
20) Pentachlorophenol	17.23	266	159	0.40	ng		92
21) Phenanthrene	17.58	178	5203	0.35	ng	#	78
22) Anthracene	17.69	178	4726	0.34	ng		99
23) Fluoranthene	19.59	202	22989	0.33	ng		99
25) Pyrene	19.95	202	24177	0.32	ng		100
27) Benzo(a)anthracene	21.70	228	26318m	0.38	ng		
28) Chrysene	21.75	228	27494m	0.34	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	1875	0.42	ng	#	75
30) Indeno(1,2,3-cd)pyrene	26.56	276	26124	0.34	ng		98
32) Benzo(b)fluoranthene	23.36	252	6294	0.32	ng		97
33) Benzo(k)fluoranthene	23.40	252	6320	0.31	ng		99
34) Benzo(a)pyrene	23.97	252	5410	0.30	ng		98
35) Dibenzo(a,h)anthracene	26.60	278	5242	0.29	ng		97
36) Benzo(g,h,i)perylene	27.33	276	23077	0.30	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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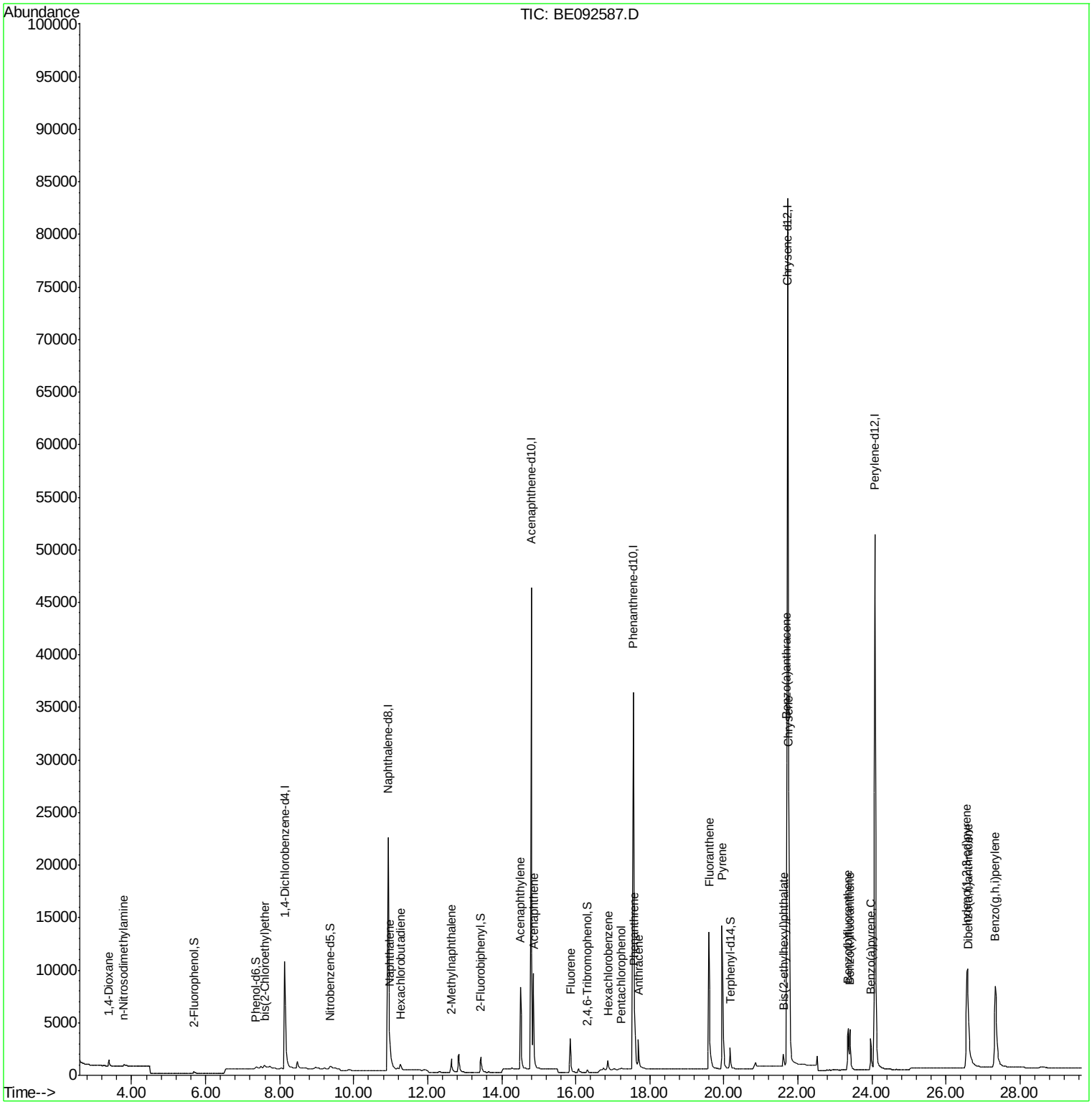
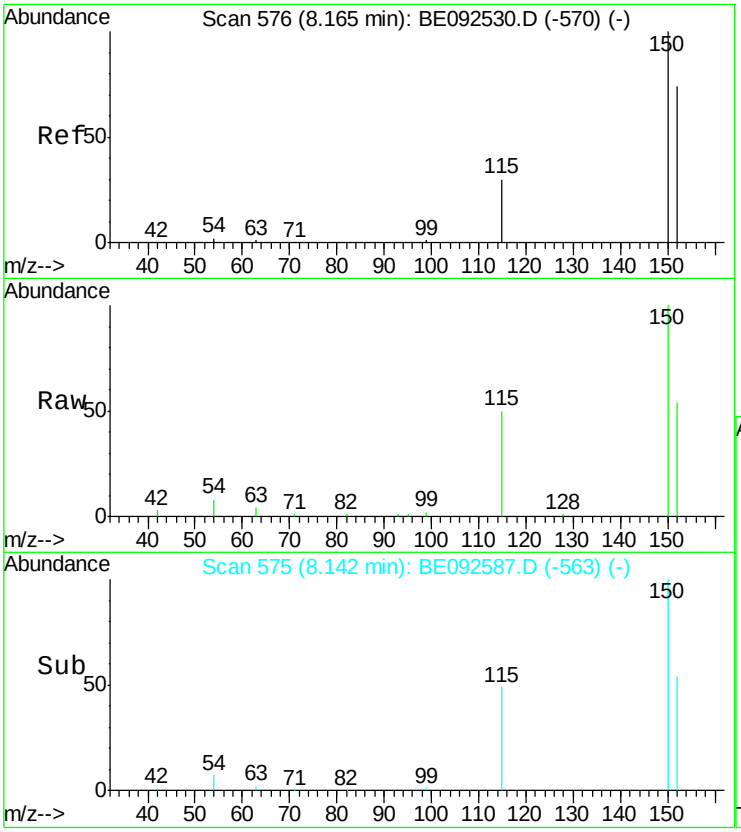
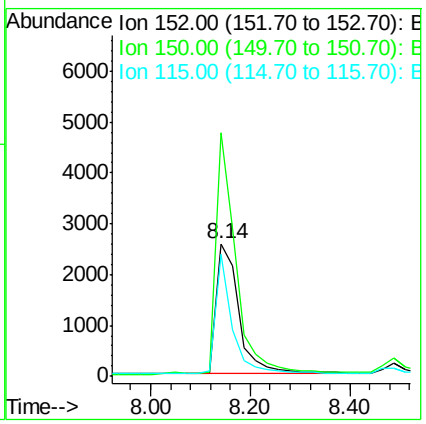




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:152 Resp: 8138

Ion	Ratio	Lower	Upper
152	100		
150	183.7	106.0	159.0#
115	91.7	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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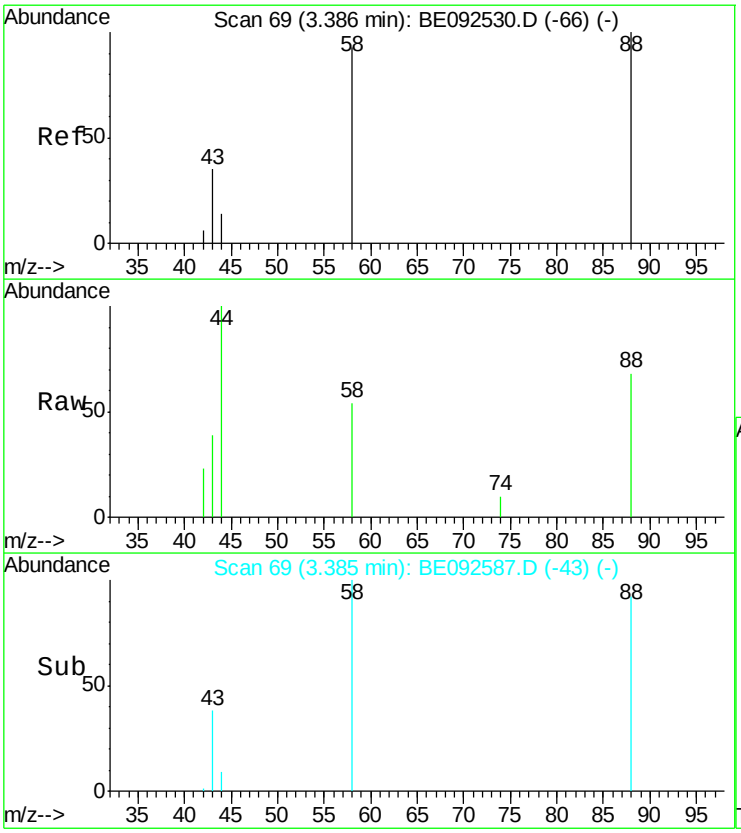
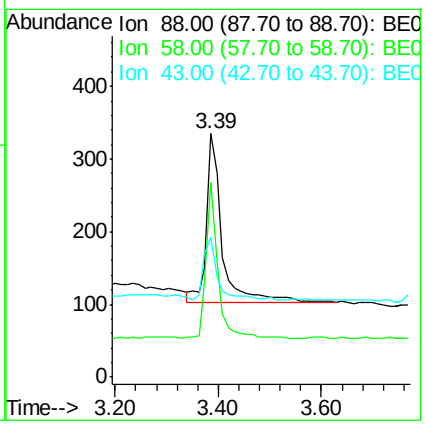
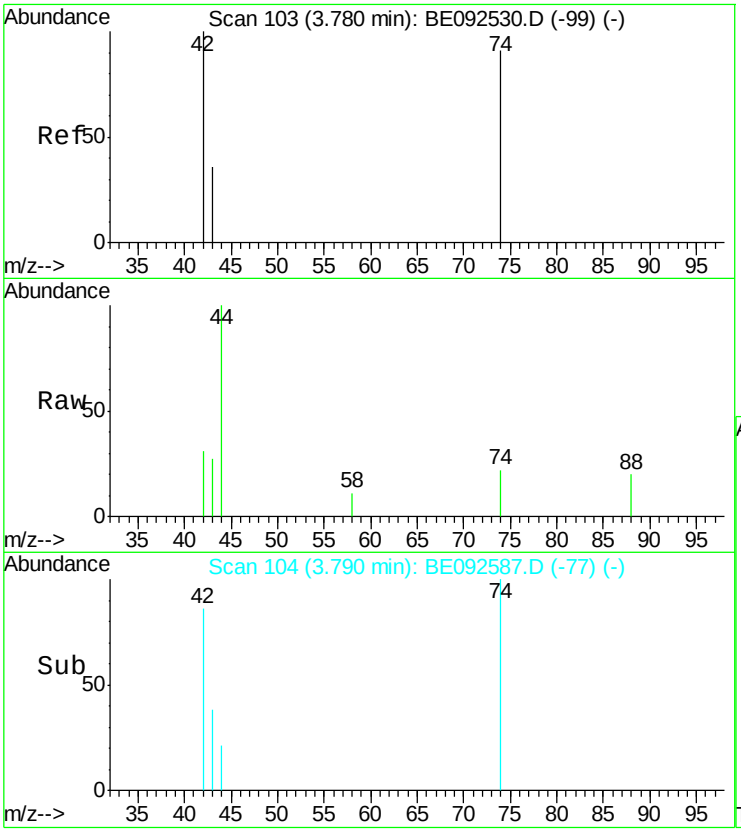


#2
1,4-Dioxane
Concen: 0.41 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion: 88 Resp: 498

Ion	Ratio	Lower	Upper
88	100		
58	66.5	63.6	95.4
43	33.1	28.0	42.0

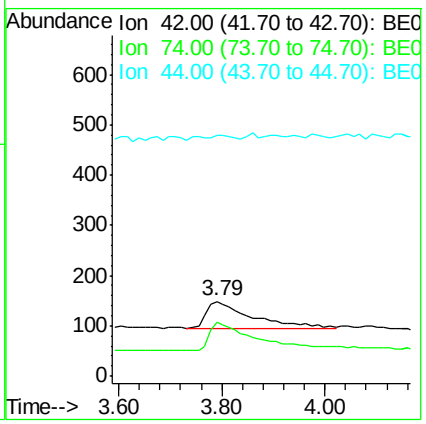




#3
n-Nitrosodimethylamine
Concen: 0.41 ng
RT: 3.79 min Scan# 104
Delta R.T. 0.01 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion: 42 Resp: 332

Ion	Ratio	Lower	Upper
42	100		
74	104.2	86.0	129.0
44	6.9	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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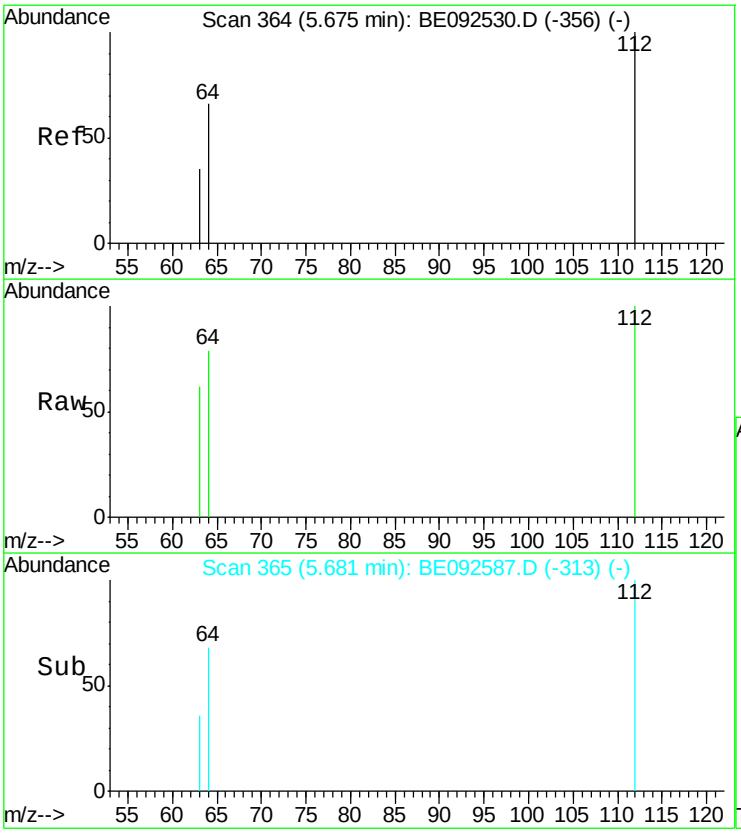
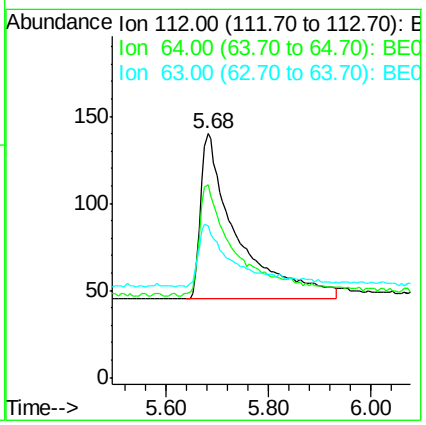
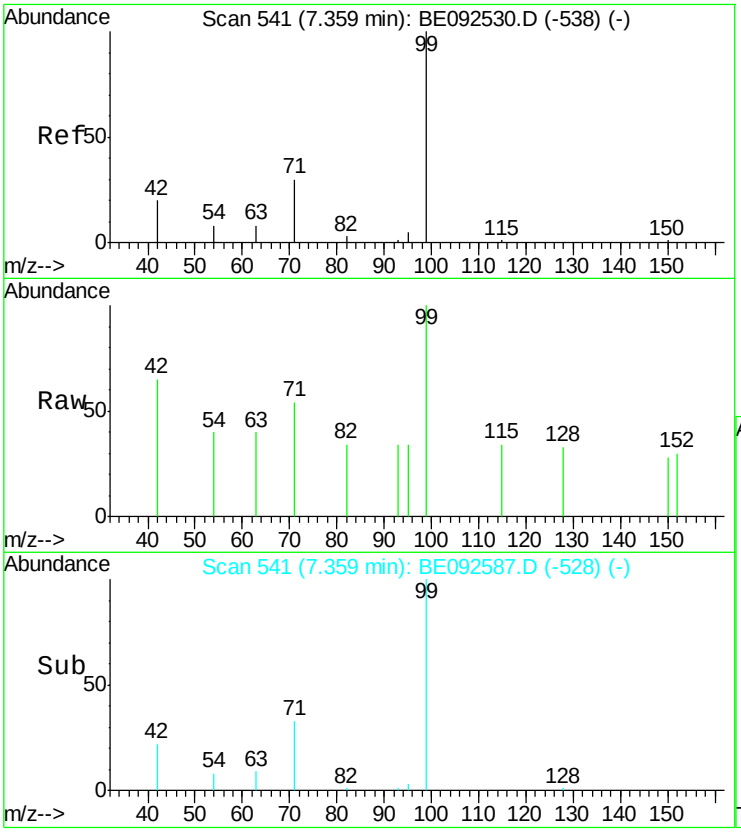


#4
2-Fluorophenol
Concen: 0.34 ng
RT: 5.68 min Scan# 365
Delta R.T. 0.01 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:112 Resp: 474

Ion	Ratio	Lower	Upper
112	100		
64	61.6	53.5	80.3
63	34.6	27.9	41.9

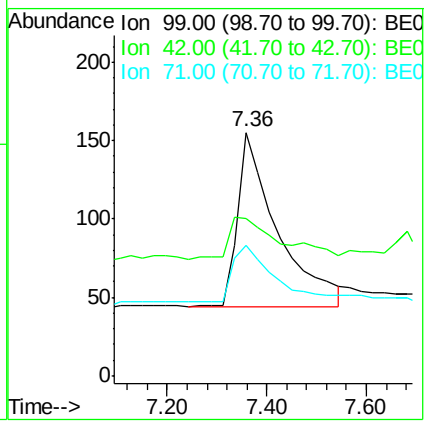




#5
Phenol-d6
Concen: 0.38 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion: 99 Resp: 614

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	33.1	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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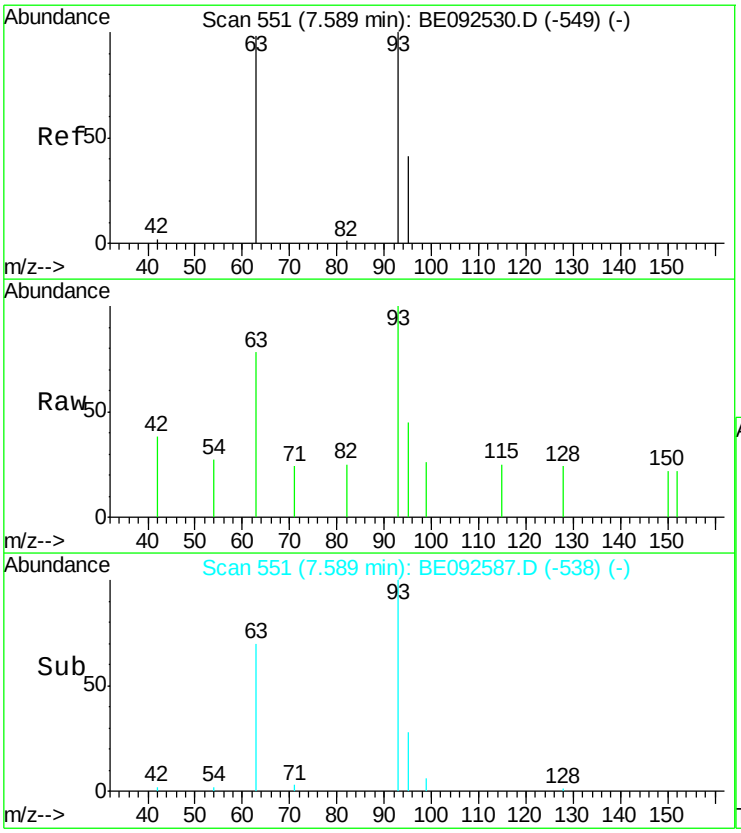
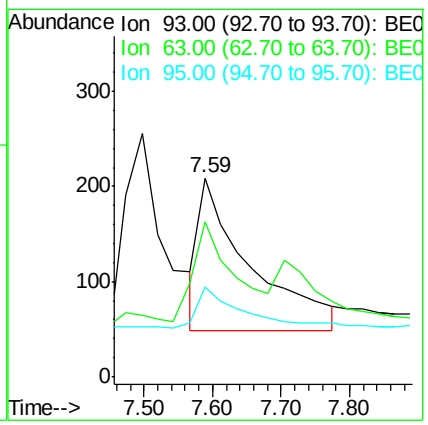
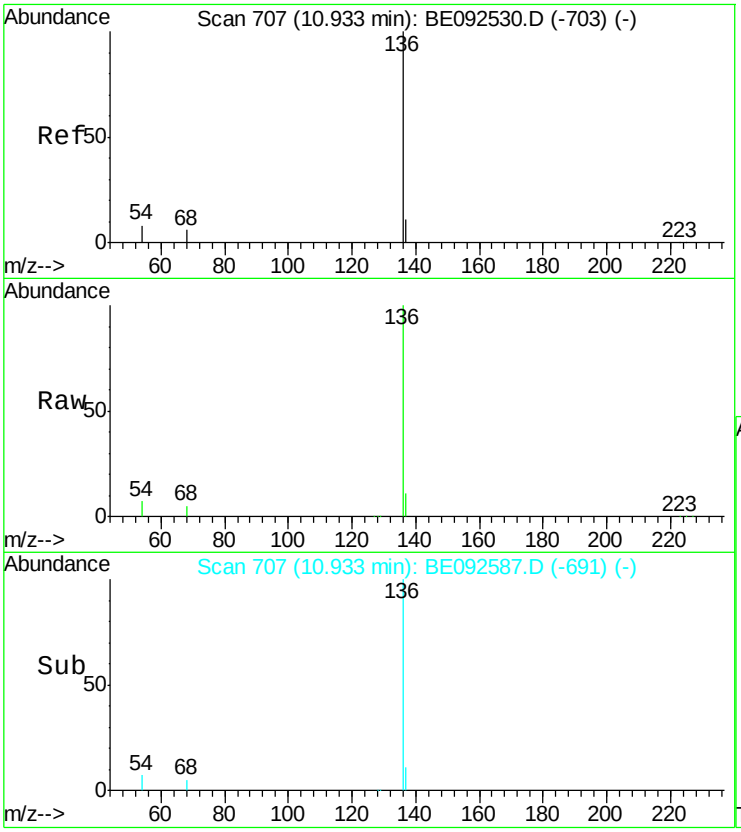


#6
bis(2-Chloroethyl)ether
Concen: 0.37 ng m
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion: 93 Resp: 833

Ion	Ratio	Lower	Upper
93	100		
63	50.9	71.6	107.4#
95	21.7	24.0	36.0#

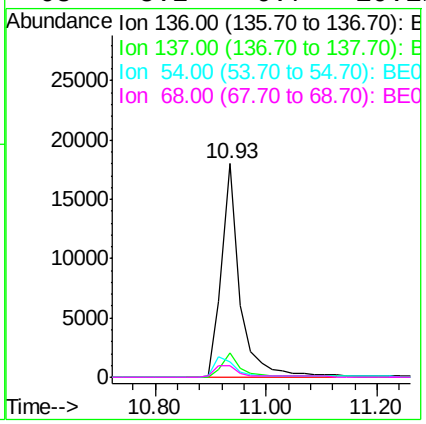




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:136 Resp: 41115

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.4
54	7.2	9.6	14.4#
68	5.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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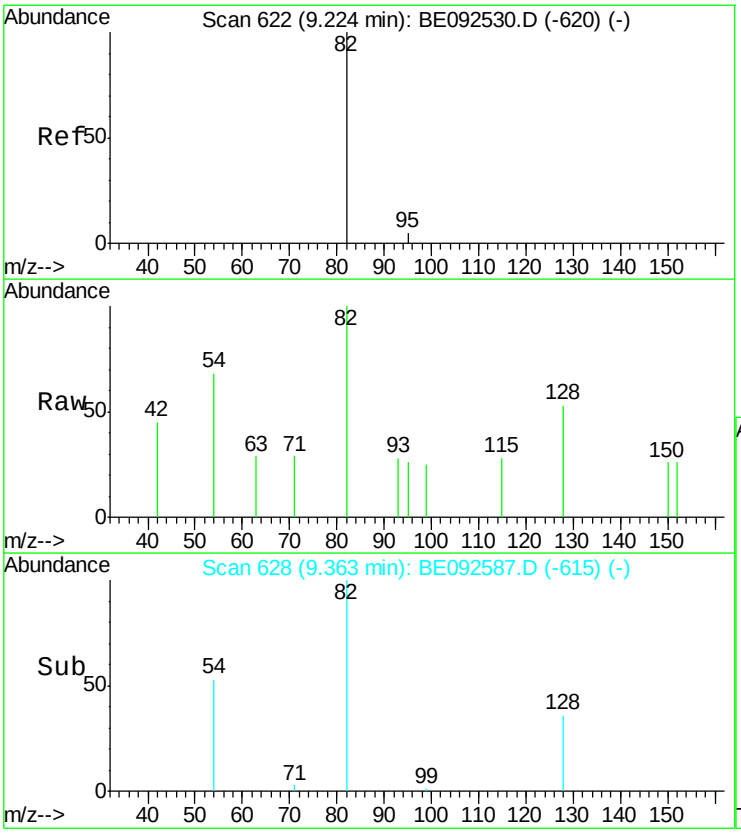
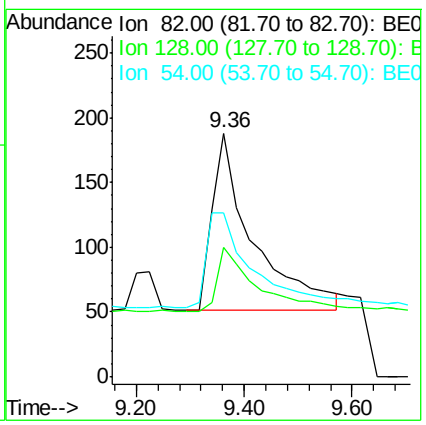
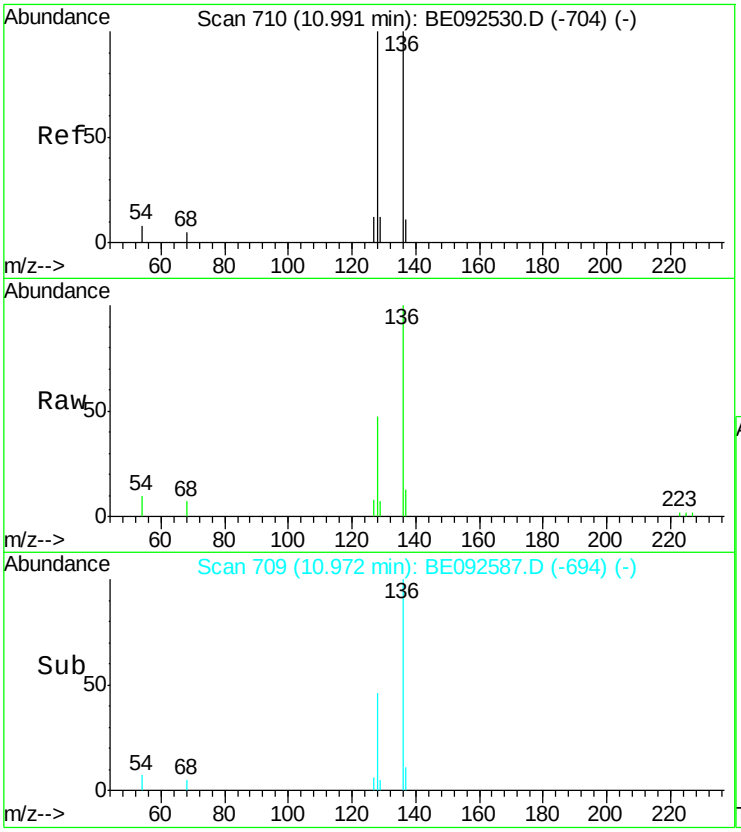


#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion: 82 Resp: 723

Ion	Ratio	Lower	Upper
82	100		
128	53.2	39.0	58.4
54	67.6	44.8	67.2#

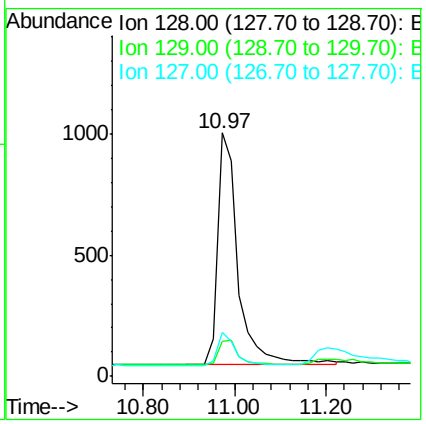




#9
Naphthalene
Concen: 0.35 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:128 Resp: 2963

Ion	Ratio	Lower	Upper
128	100		
129	14.4	11.2	16.8
127	17.9	11.6	17.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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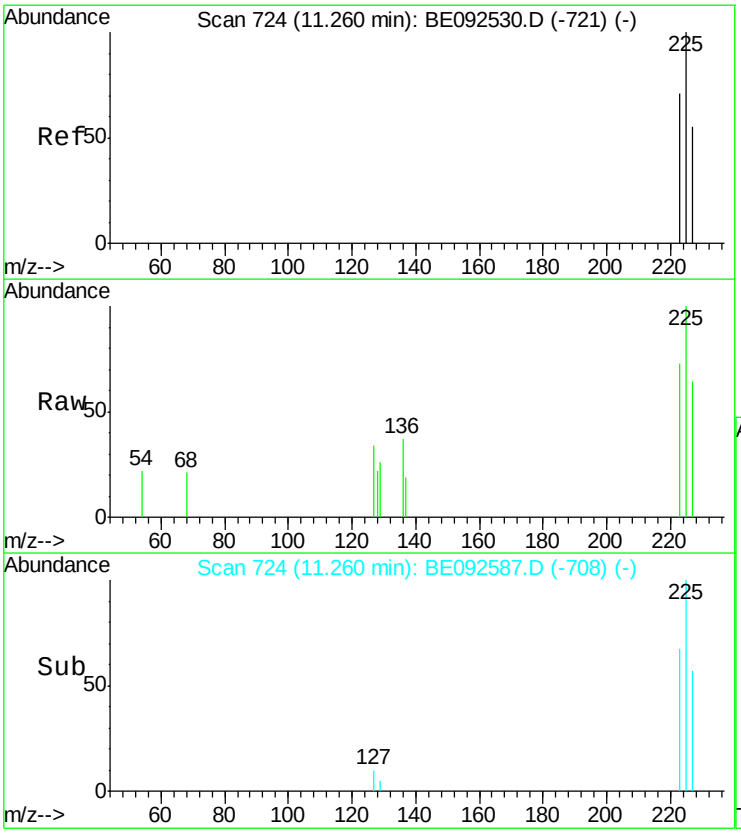
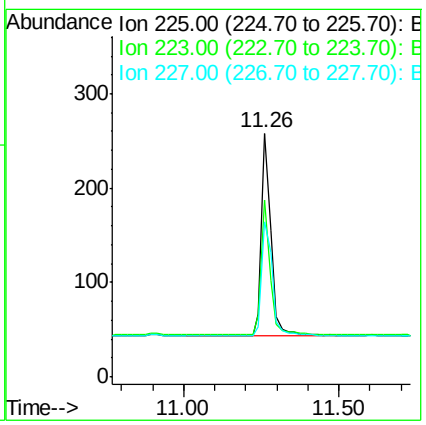
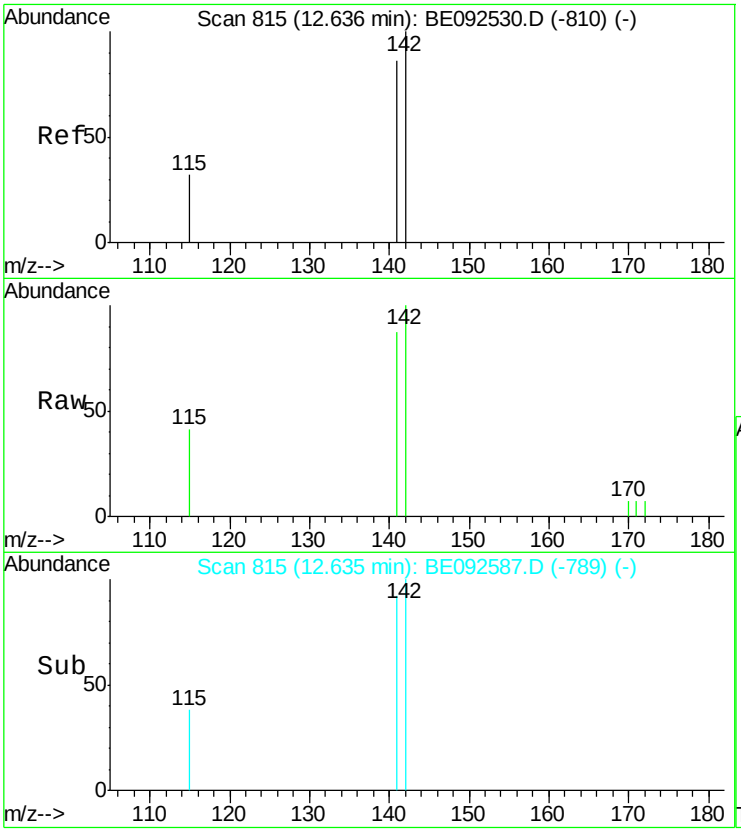


#10
Hexachlorobutadiene
Concen: 0.35 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:225 Resp: 446

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.6	76.0
227	63.2	51.4	77.0

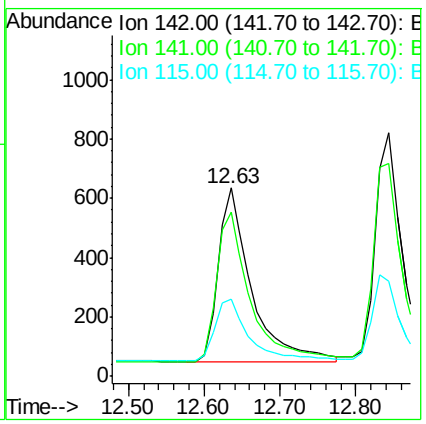




#11
2-Methylnaphthalene
Concen: 0.33 ng
RT: 12.63 min Scan# 815
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:142 Resp: 1786

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.7	110.5
115	41.1	34.0	51.0



Instrument :
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ClientSampleId :
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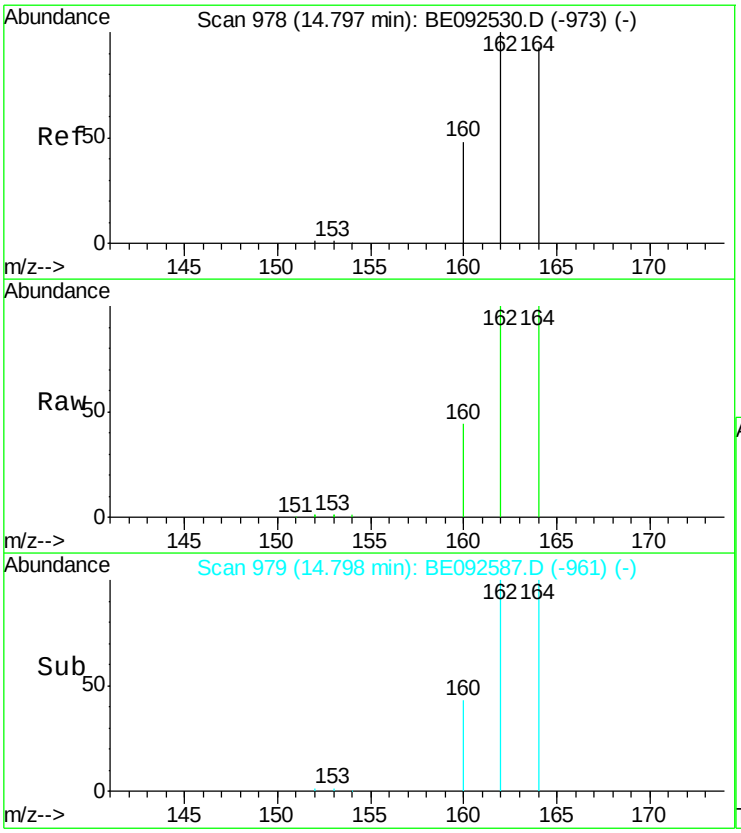
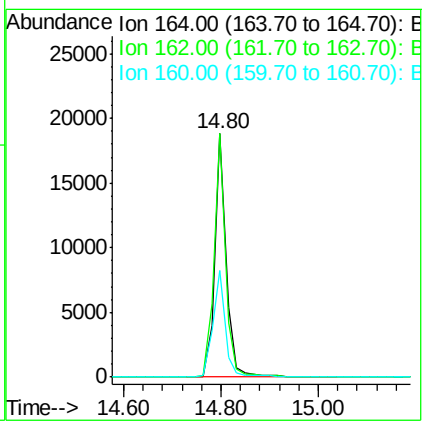
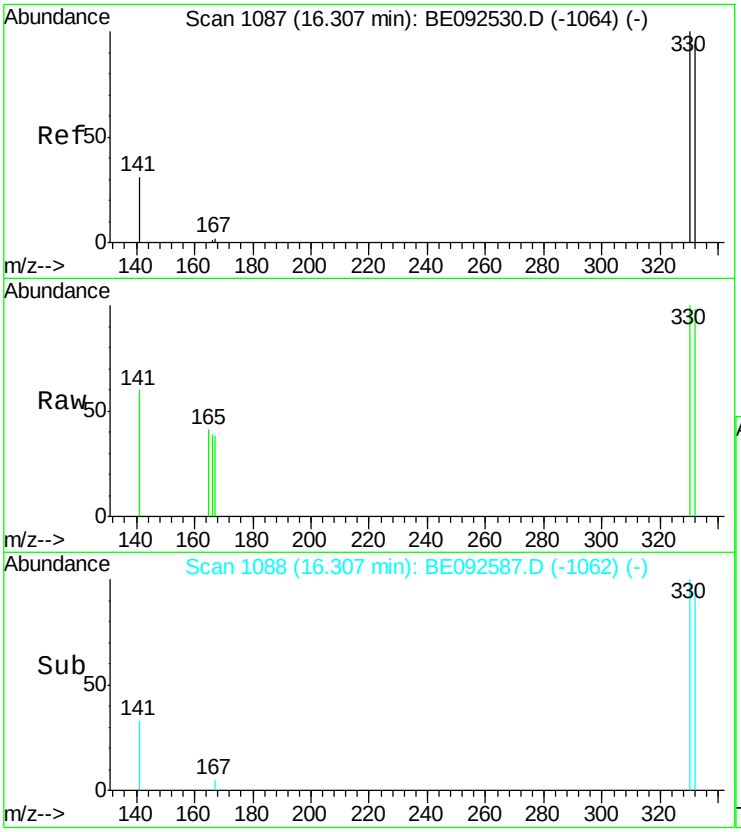


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:164 Resp: 30160

Ion	Ratio	Lower	Upper
164	100		
162	100.0	71.4	107.0
160	43.6	27.4	41.2#

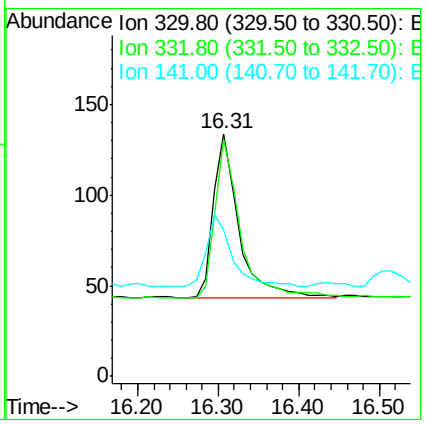




#13
2,4,6-Tribromophenol
Concen: 0.30 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:330 Resp: 203

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	41.4	31.0	46.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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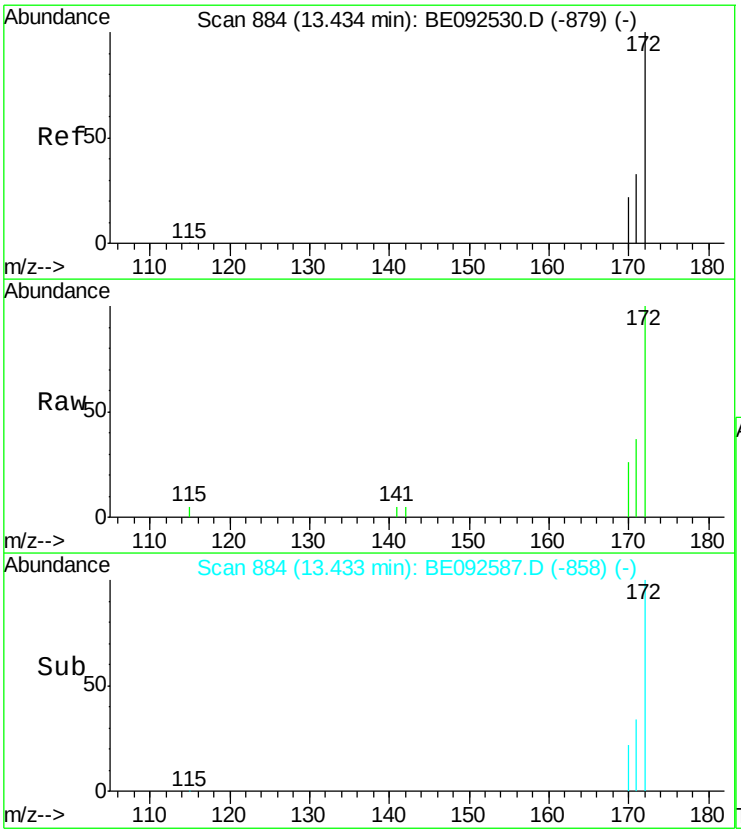
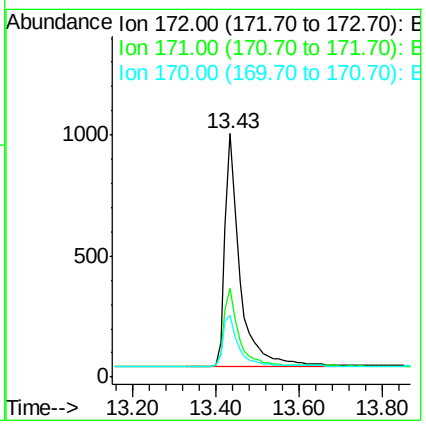
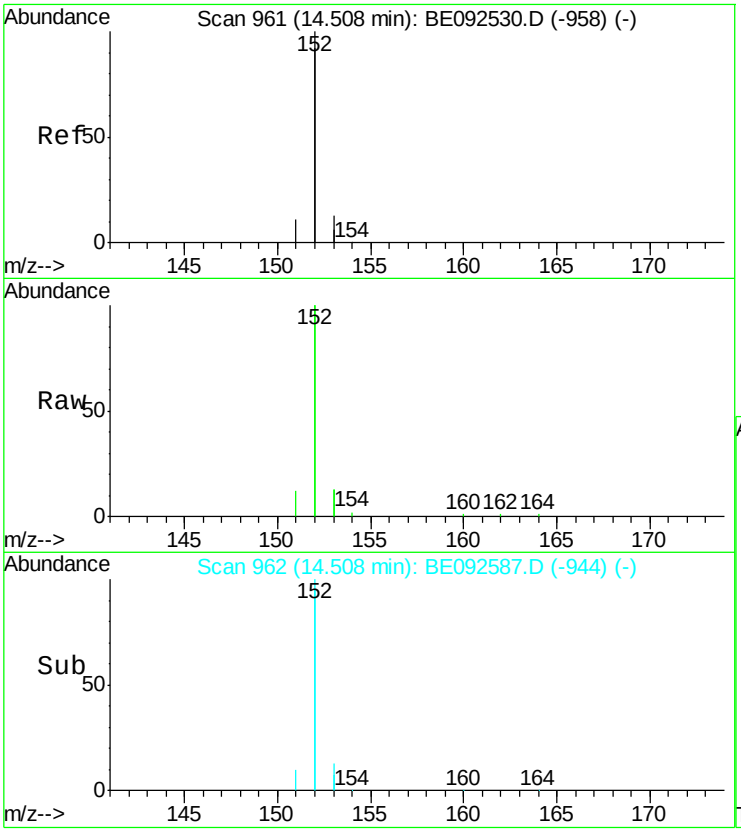


#14
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:172 Resp: 2410

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.1	45.1
170	25.5	21.8	32.6

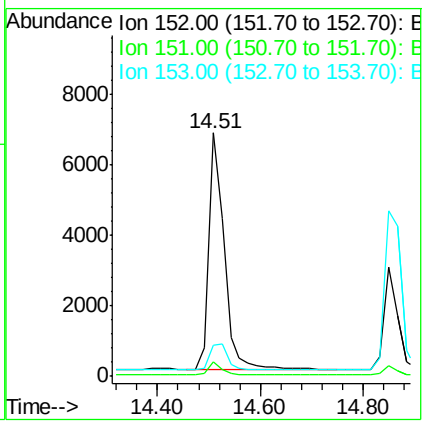




#15
Acenaphthylene
Concen: 0.32 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:152 Resp: 13648

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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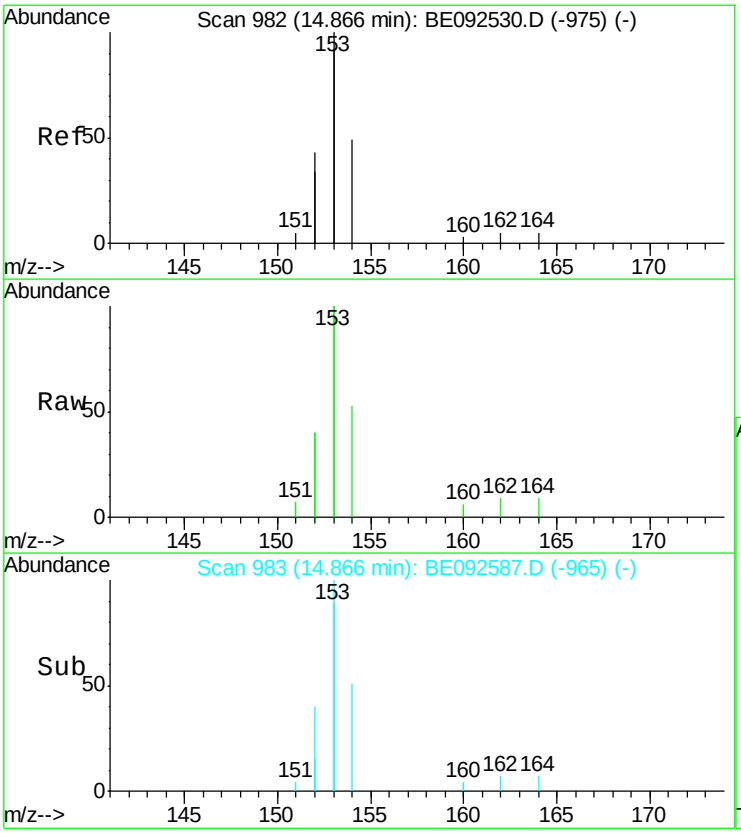
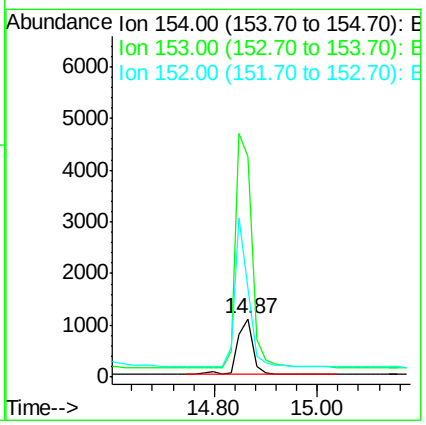
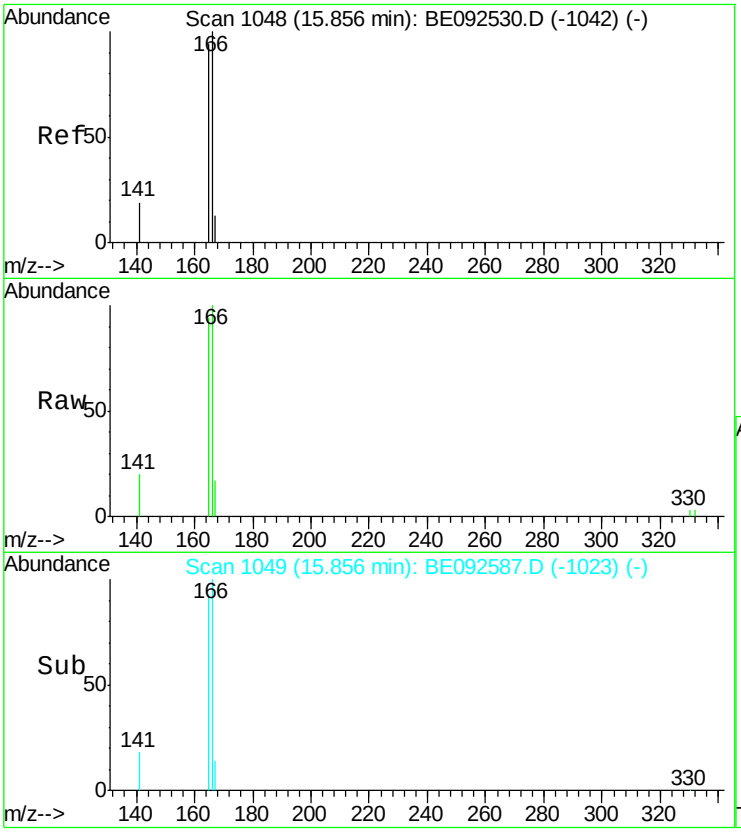


#16
Acenaphthene
Concen: 0.33 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:154 Resp: 2293

Ion	Ratio	Lower	Upper
154	100		
153	437.9	350.8	526.2
152	233.3	171.1	256.7

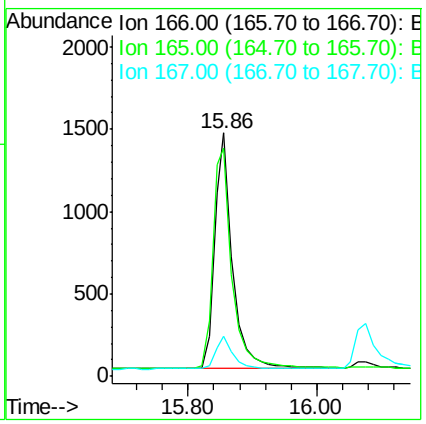




#17
Fluorene
Concen: 0.33 ng
RT: 15.86 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:166 Resp: 2784

Ion	Ratio	Lower	Upper
166	100		
165	100.6	78.2	117.4
167	13.3	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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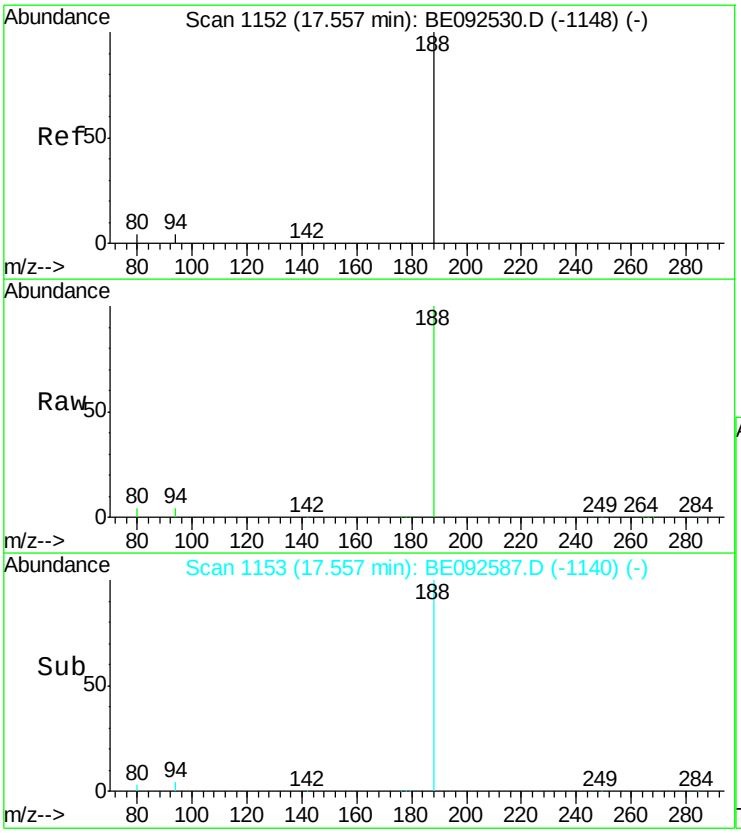
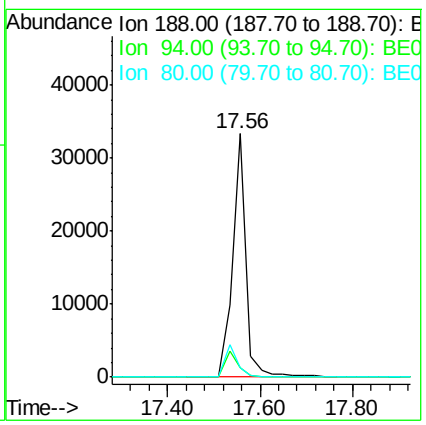
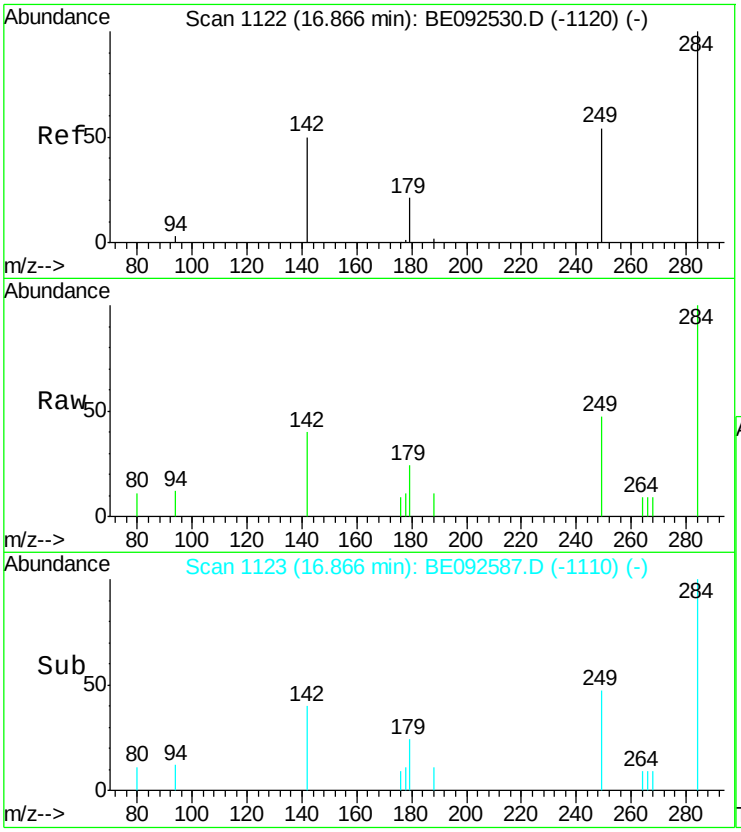


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:188 Resp: 66559

Ion	Ratio	Lower	Upper
188	100		
94	4.0	3.2	4.8
80	3.6	2.6	3.8

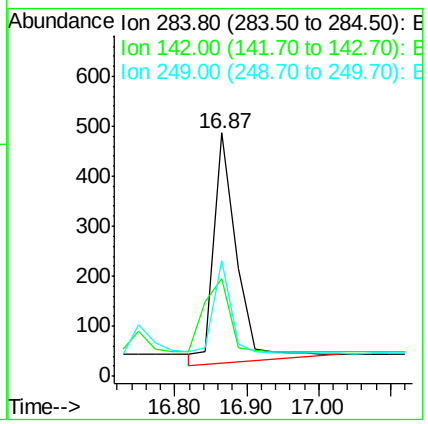




#19
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:284 Resp: 1030

Ion	Ratio	Lower	Upper
284	100		
142	53.0	29.1	43.7#
249	39.2	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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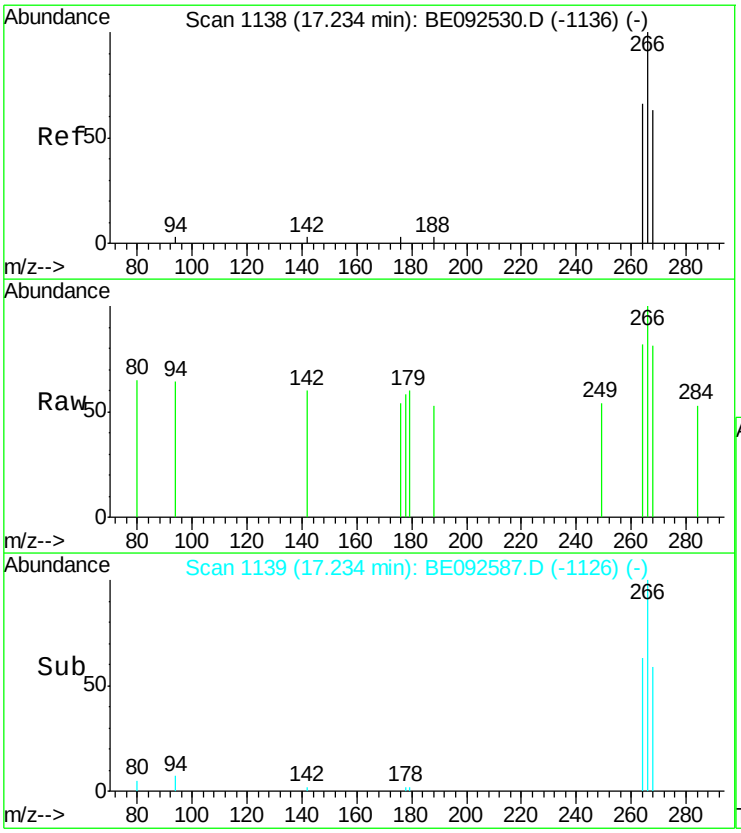
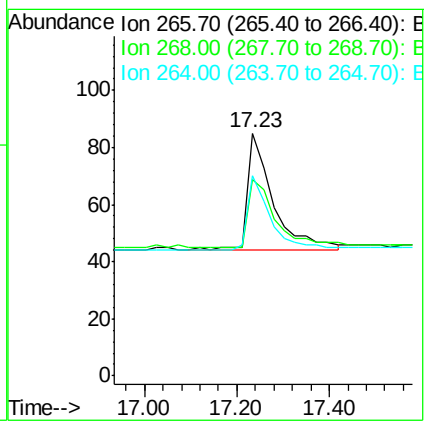
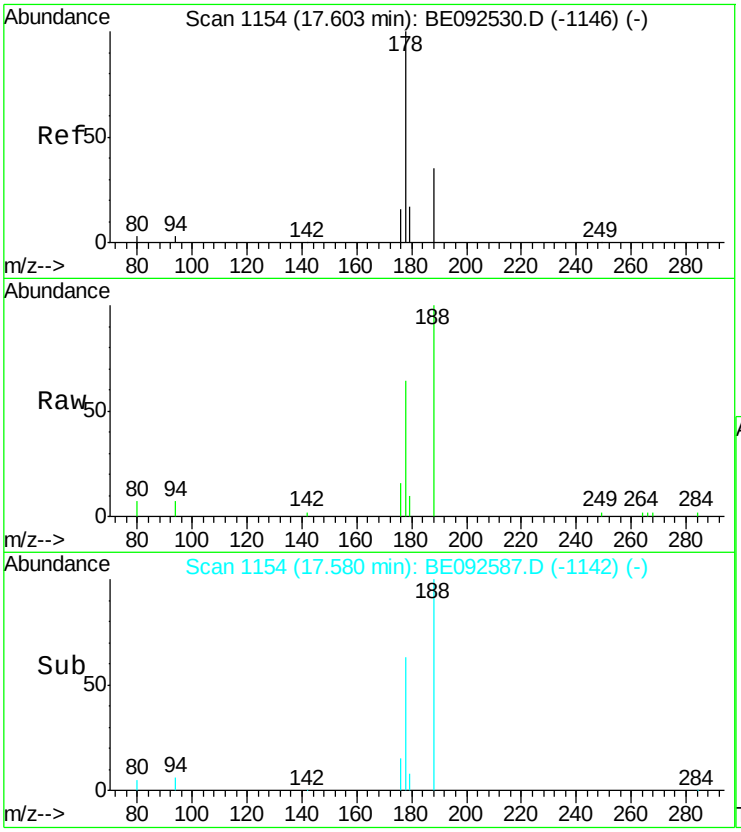


#20
Pentachlorophenol
Concen: 0.40 ng
RT: 17.23 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:266 Resp: 159

Ion	Ratio	Lower	Upper
266	100		
268	81.2	62.5	93.7
264	82.4	57.2	85.8

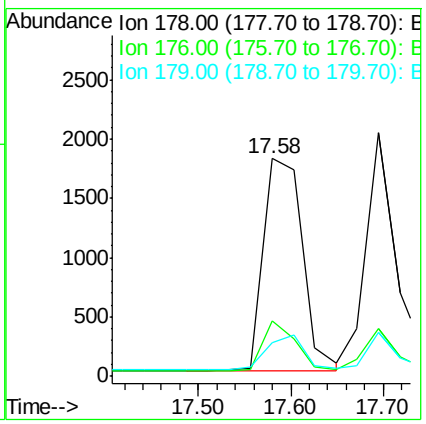




#21
Phenanthrene
Concen: 0.35 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:178 Resp: 5203

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	0.0	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
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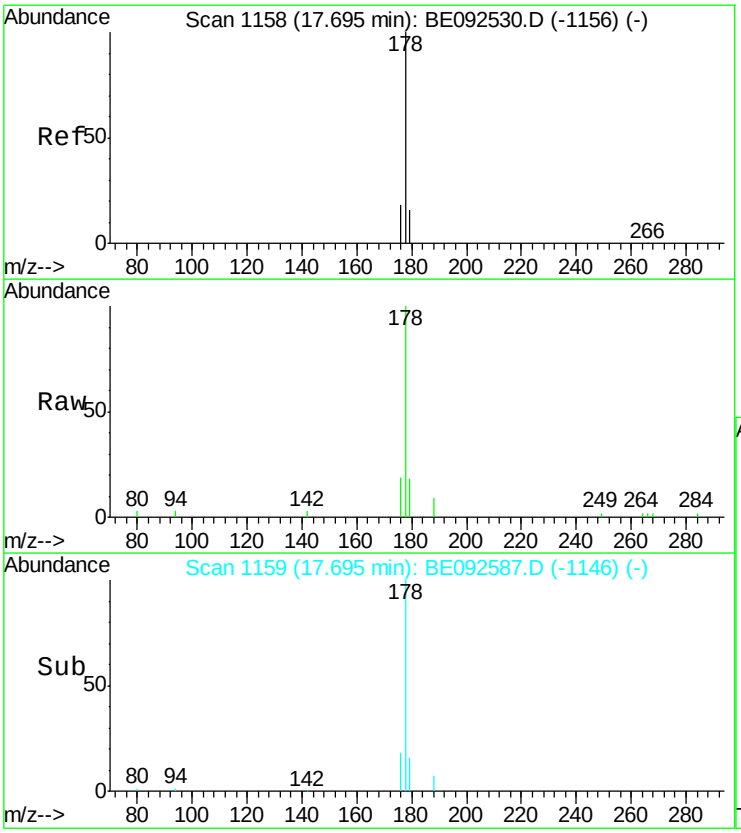
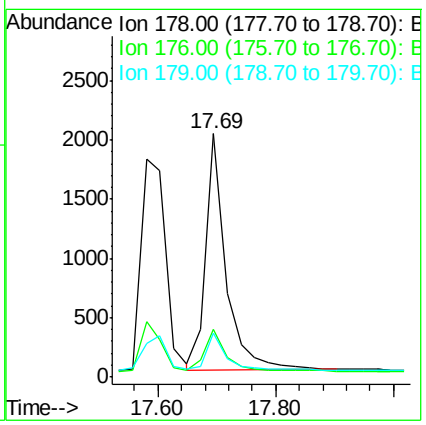
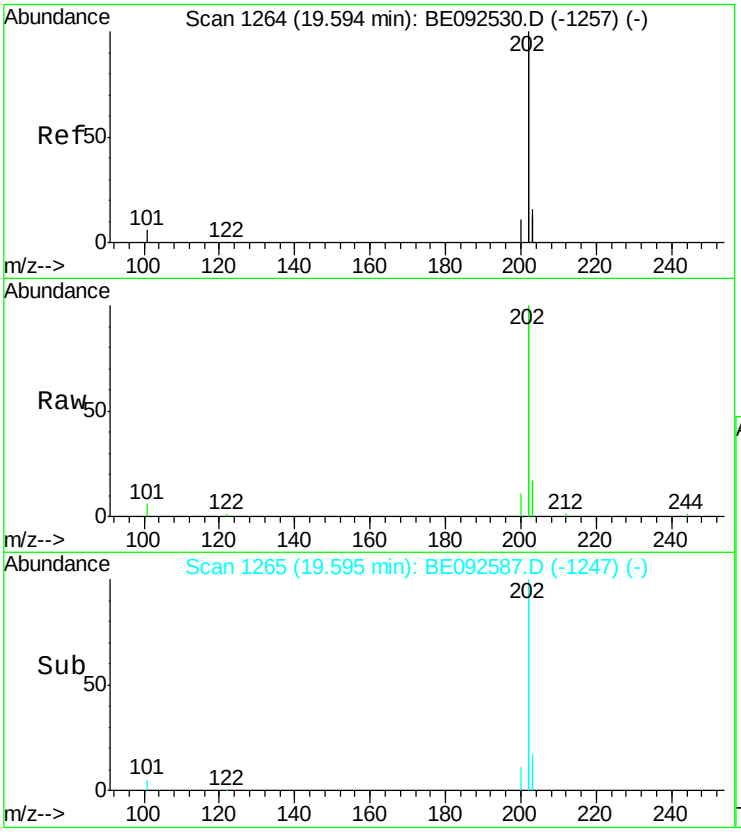


#22
Anthracene
Concen: 0.34 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:178 Resp: 4726

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	16.0	12.2	18.2

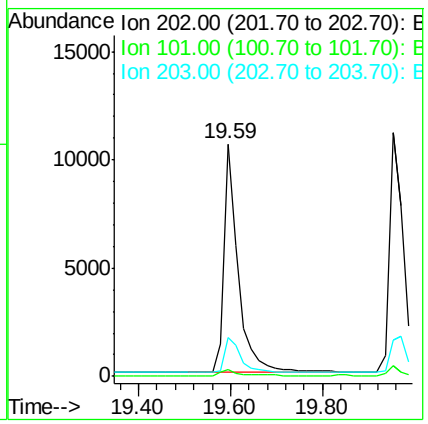




#23
Fluoranthene
Concen: 0.33 ng
RT: 19.59 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:202 Resp: 22989

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.7	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
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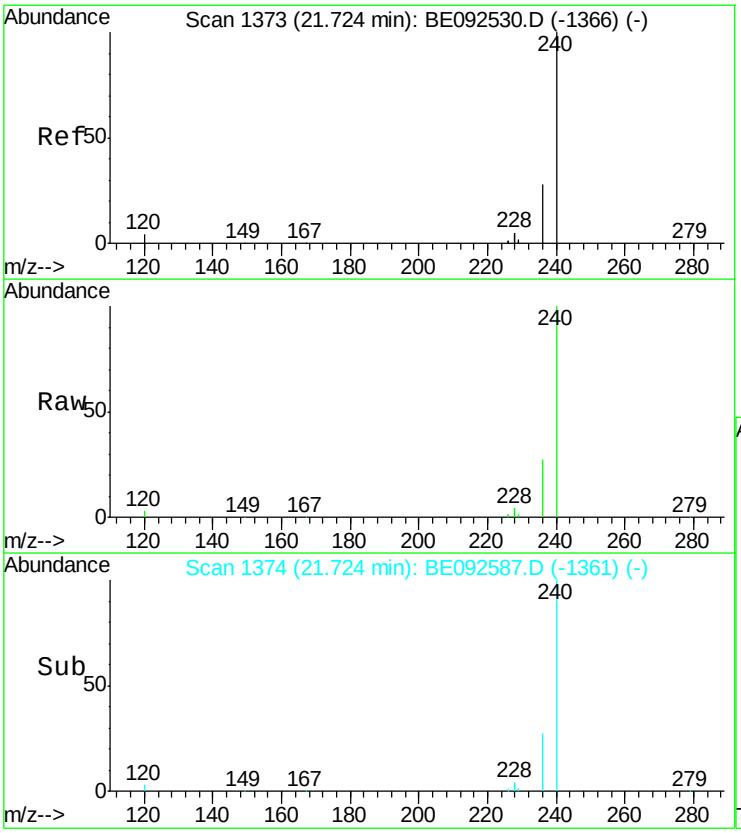
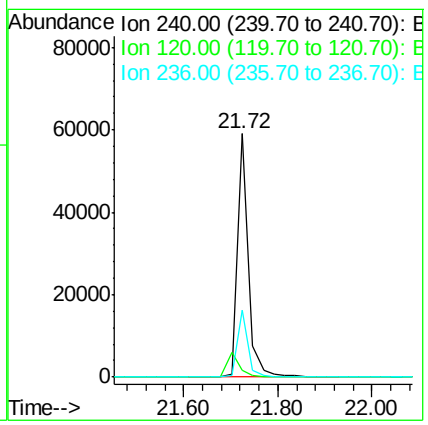
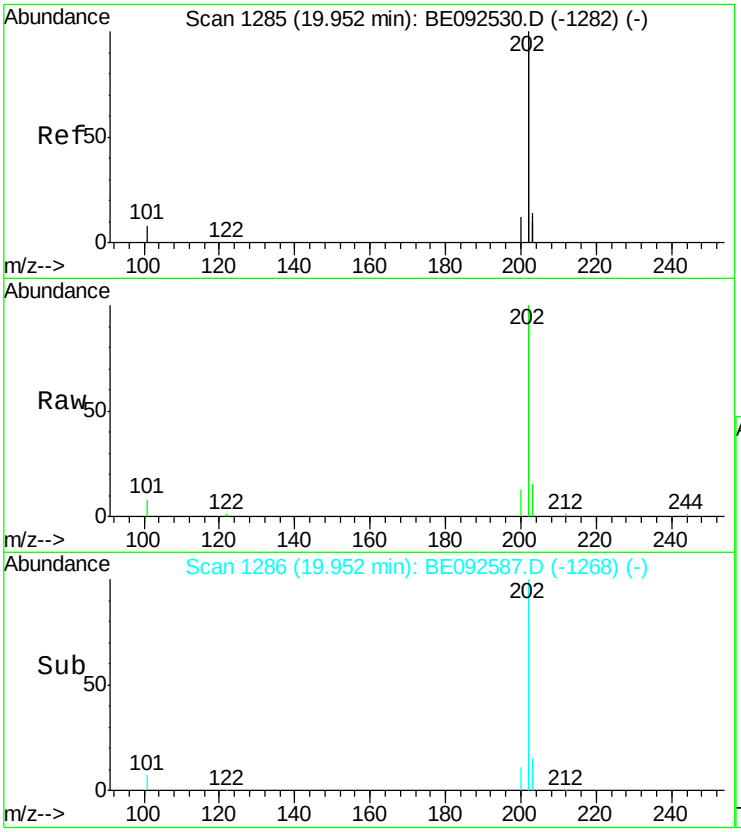


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:240 Resp: 95773

Ion	Ratio	Lower	Upper
240	100		
120	2.6	2.6	4.0
236	27.4	24.6	37.0

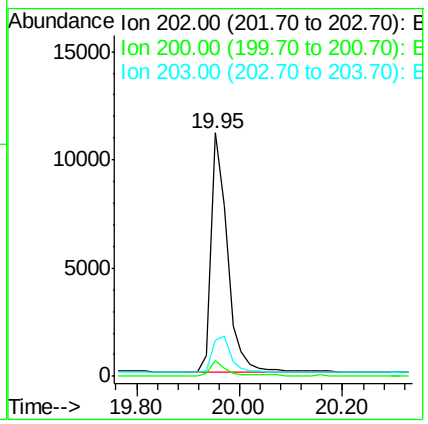




#25
Pyrene
Concen: 0.32 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:202 Resp: 24177

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.3	13.9	20.9



Instrument :
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ClientSampleId :
SSTDCCC0.4EC

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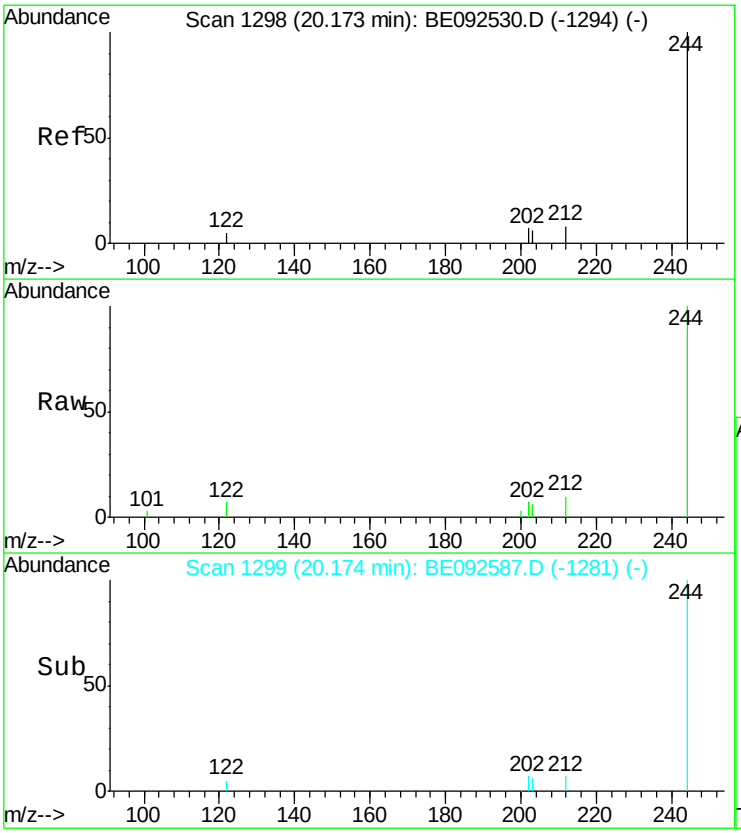
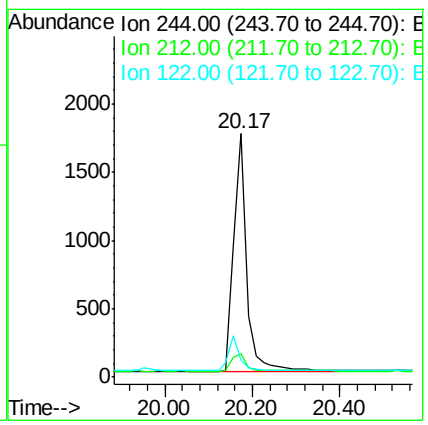
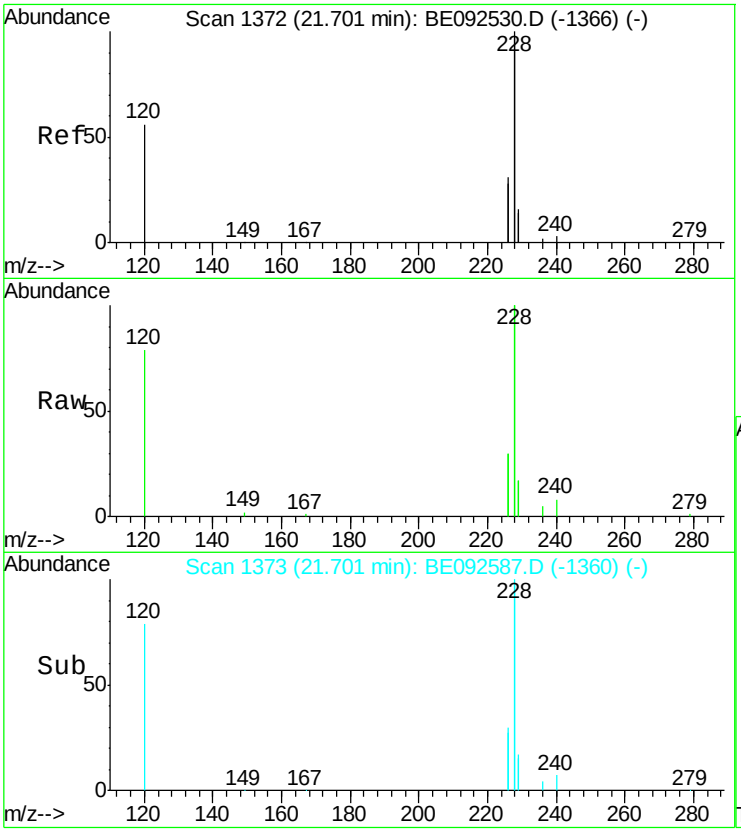


#26
Terphenyl-d14
Concen: 0.32 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:244 Resp: 3501

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.7	10.1
122	7.1	3.6	5.4#

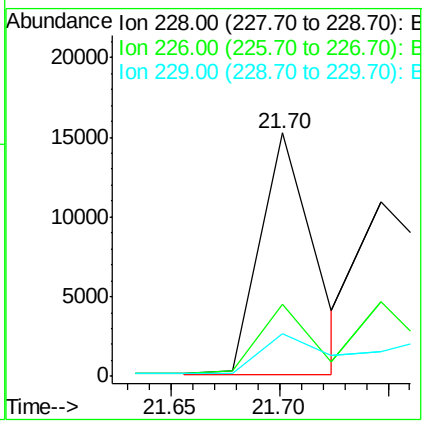




#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:228 Resp: 26318

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.6	35.4
229	17.3	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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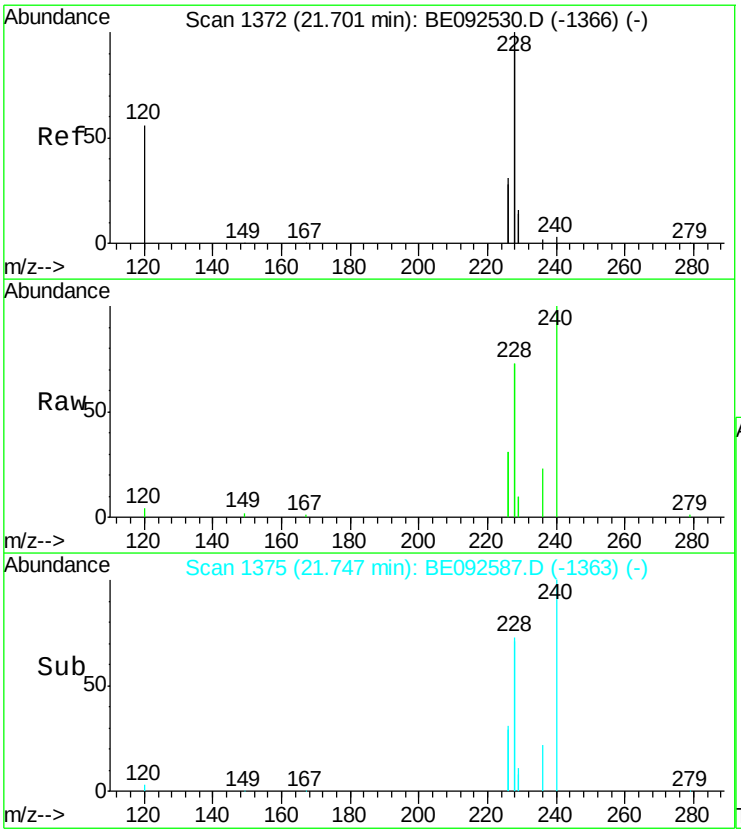
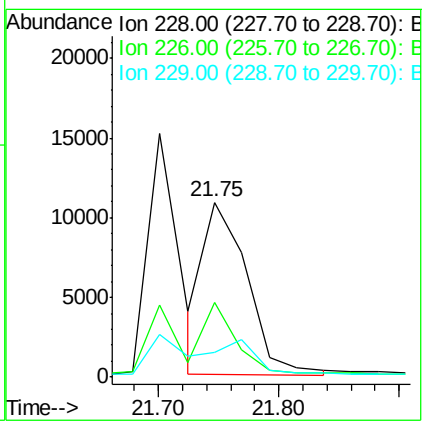
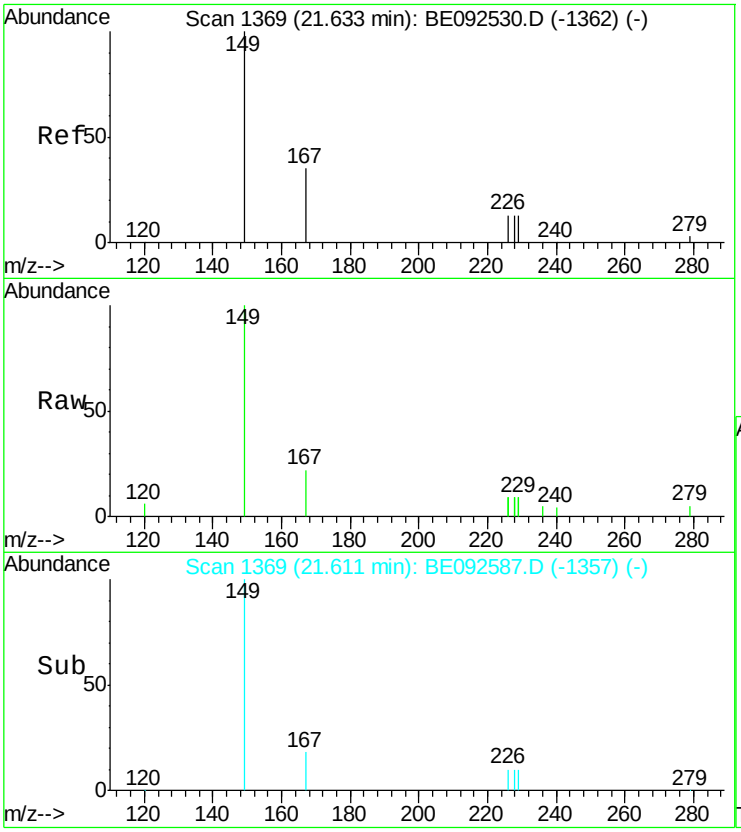


#28
Chrysene
Concen: 0.34 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:228 Resp: 27494

Ion	Ratio	Lower	Upper
228	100		
226	43.0	36.3	54.5
229	14.4	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.42 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:149 Resp: 1875

Ion	Ratio	Lower	Upper
149	100		
167	22.8	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
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ClientSampleId :
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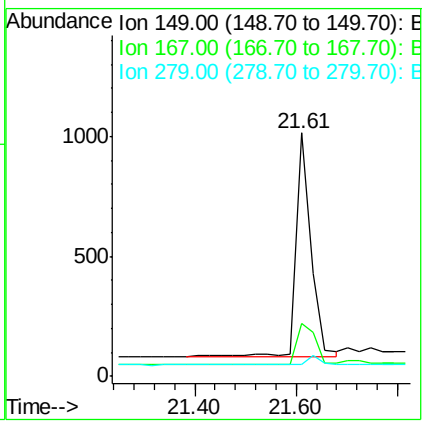
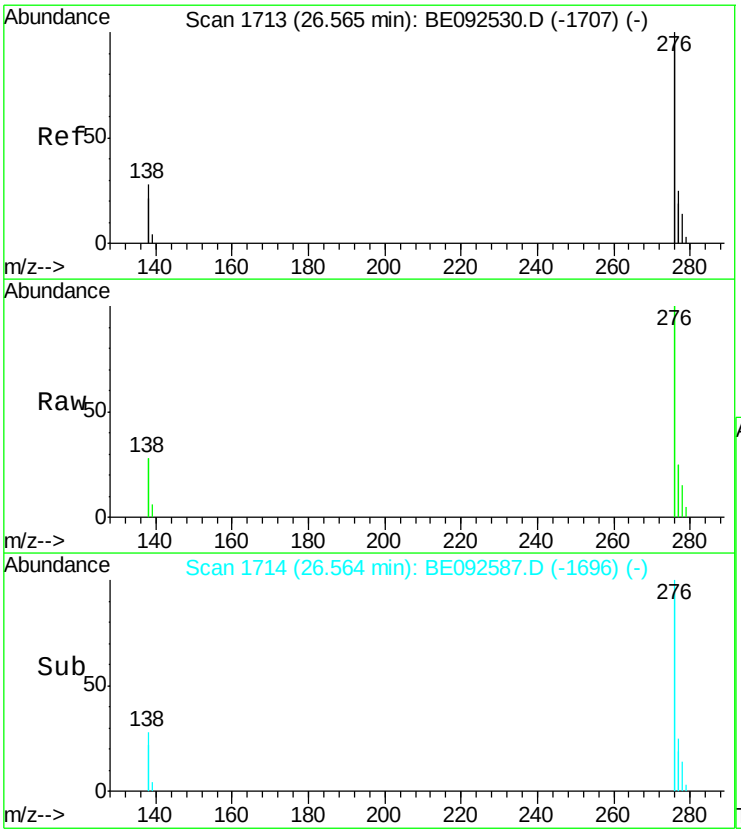
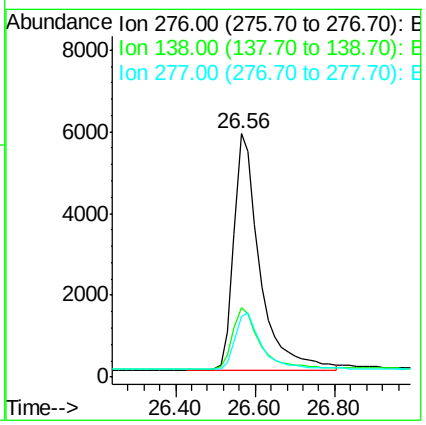


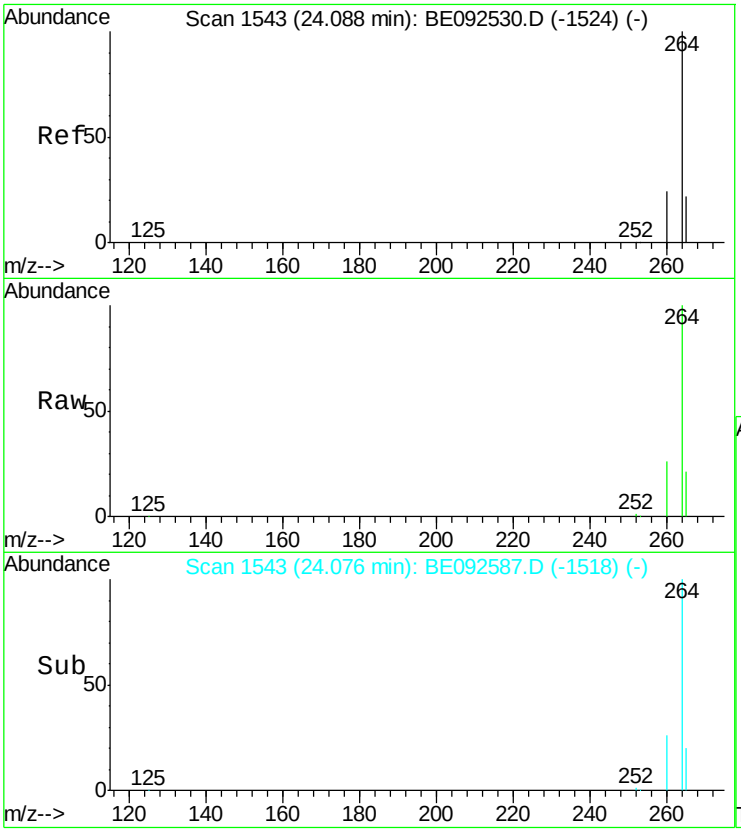


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.34 ng
RT: 26.56 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:276 Resp: 26124

Ion	Ratio	Lower	Upper
276	100		
138	27.1	20.3	30.5
277	24.7	19.7	29.5

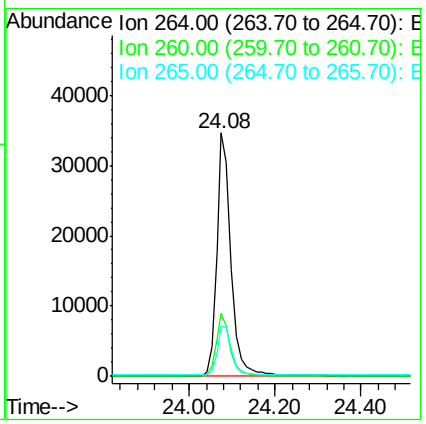




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:264 Resp: 80993

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.1	30.1
265	20.9	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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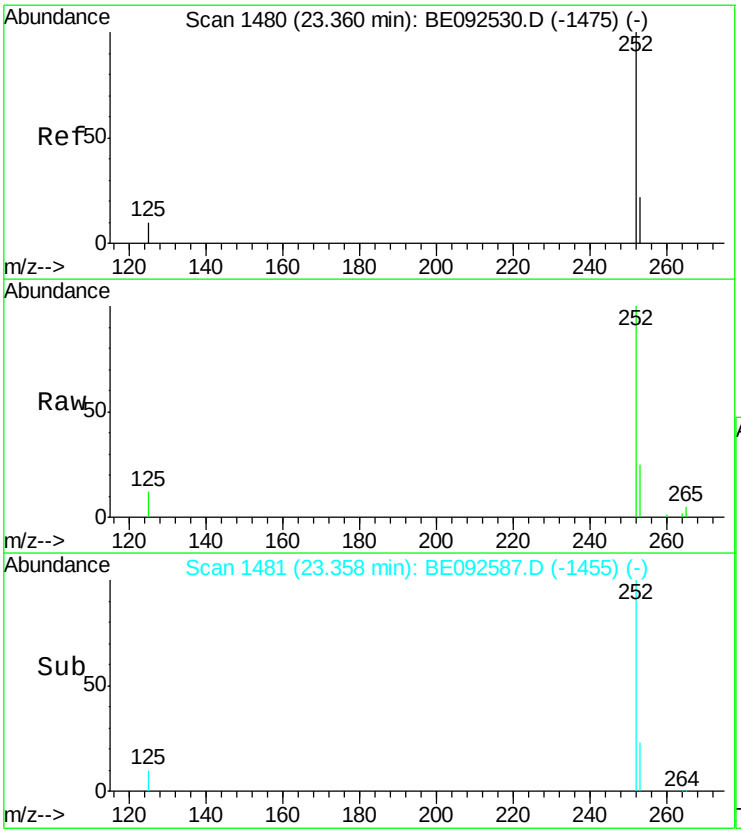
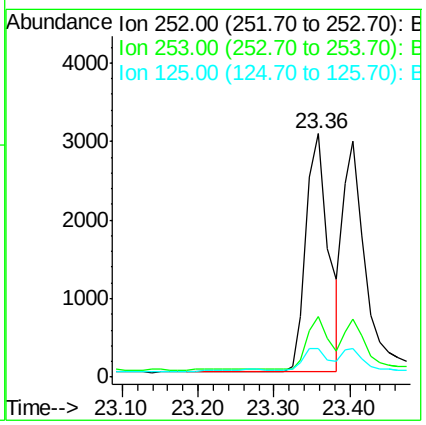
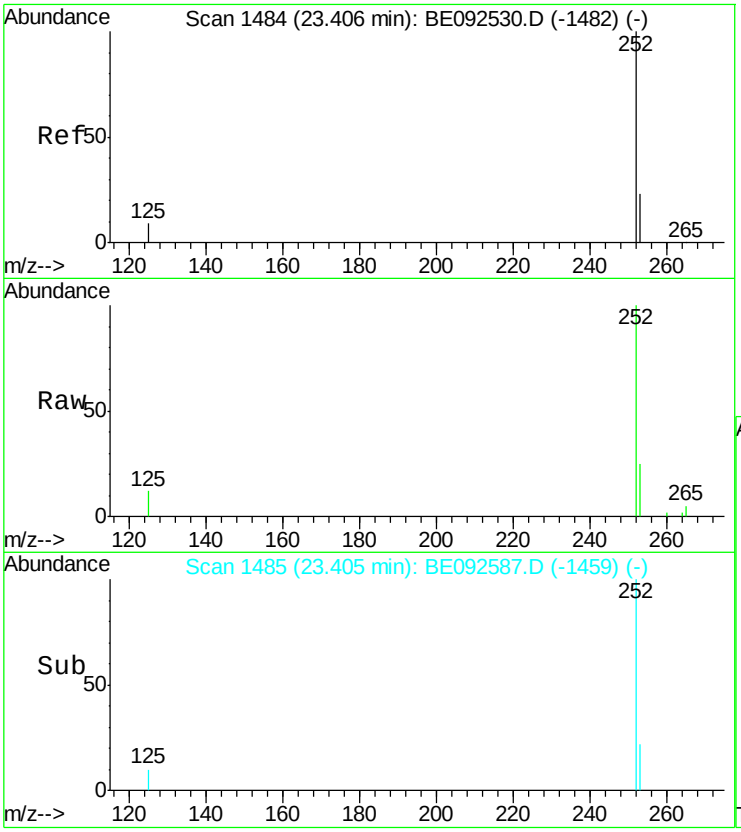


#32
Benzo(b)fluoranthene
Concen: 0.32 ng
RT: 23.36 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:252 Resp: 6294

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.7	28.1
125	11.7	10.5	15.7

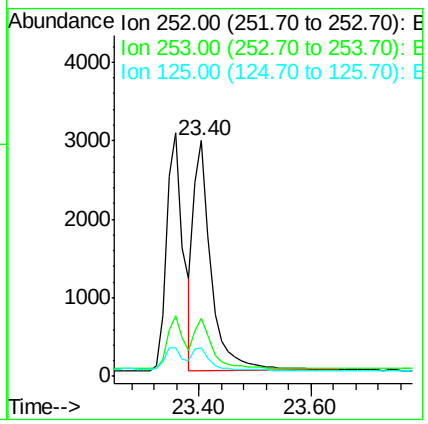




#33
Benzo(k)fluoranthene
Concen: 0.31 ng
RT: 23.40 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:252 Resp: 6320

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.3	30.5
125	12.0	9.6	14.4



Instrument :
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ClientSampleId :
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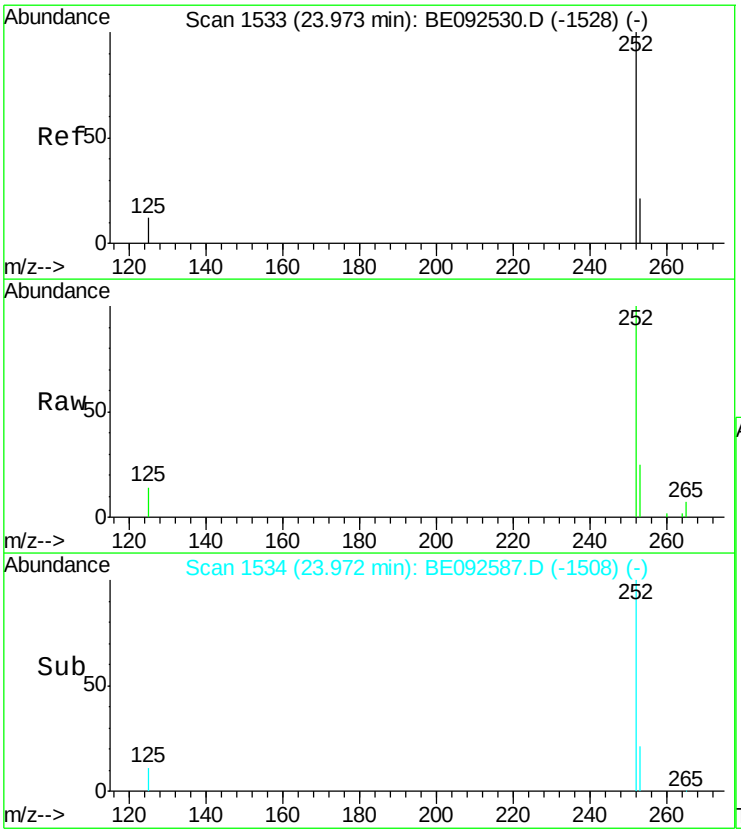
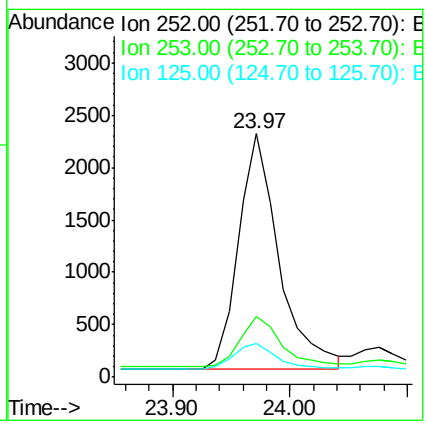
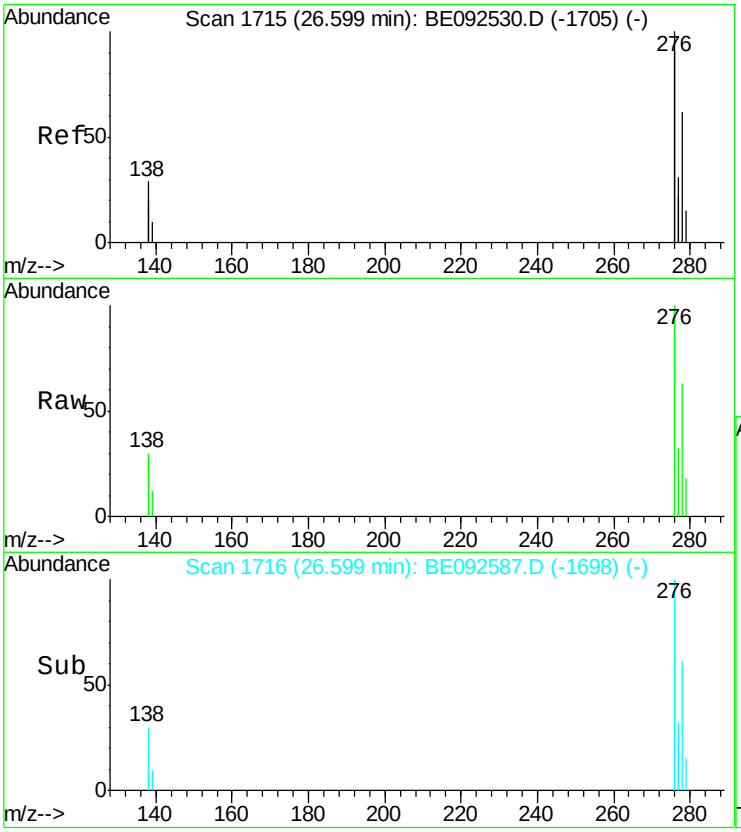


#34
Benzo(a)pyrene
Concen: 0.30 ng
RT: 23.97 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:252 Resp: 5410

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.0	28.6
125	14.1	11.8	17.8

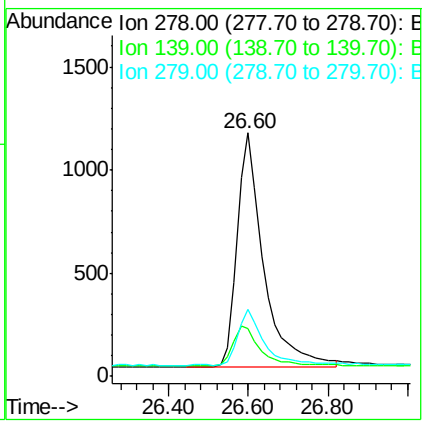




#35
Dibenzo(a,h)anthracene
Concen: 0.29 ng
RT: 26.60 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:278 Resp: 5242

Ion	Ratio	Lower	Upper
278	100		
139	19.6	13.8	20.8
279	27.7	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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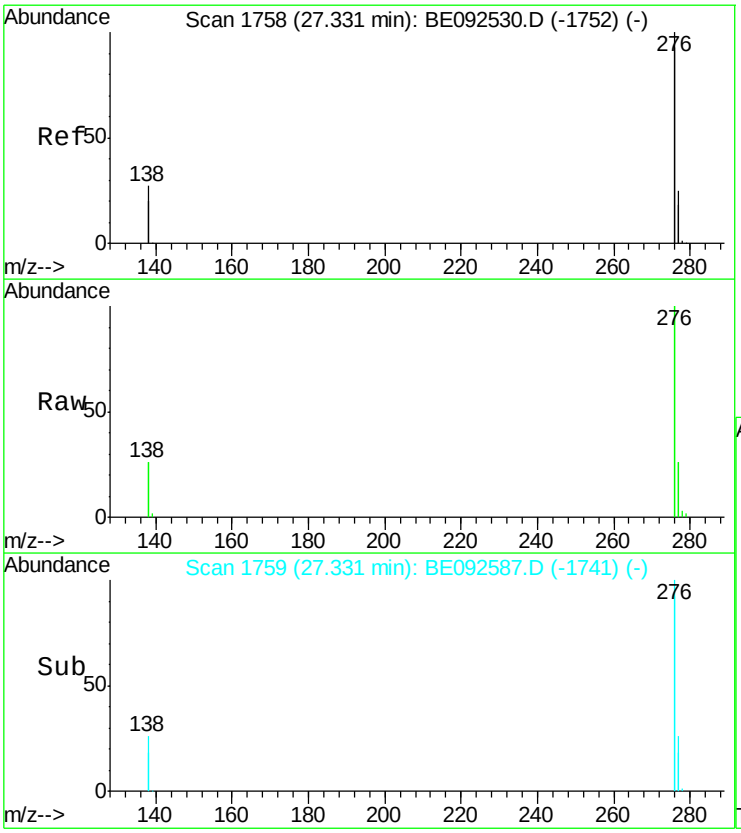

#36
Benzo(g,h,i)perylene
Concen: 0.30 ng
RT: 27.33 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BE092587.D
Acq: 1 Dec 2016 14:36

Tgt Ion:276 Resp: 23077

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.8	29.8
138	26.1	19.8	29.6