Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120116\
Data File : BE092580.D
Acq On : 1 Dec 2016 10:11
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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Quant Time: Dec 02 13:00:57 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	8445	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	40925	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	28696	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	64598	5.00	ng		0.00
24) Chrysene-d12	21.72	240	92929	5.00	ng		0.00
31) Perylene-d12	24.08	264	78840	5.00	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	472	0.33	ng		0.00
5) Phenol-d6	7.36	99	571	0.35	ng		0.00
8) Nitrobenzene-d5	9.36	82	691	0.34	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	187	0.29	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2310	0.33	ng		0.00
26) Terphenyl-d14	20.17	244	3430	0.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	486	0.38	ng		92
3) n-Nitrosodimethylamine	3.79	42	313	0.39	ng		96
6) bis(2-Chloroethyl)ether	7.59	93	832m	0.36	ng		
9) Naphthalene	10.99	128	2881	0.34	ng		96
10) Hexachlorobutadiene	11.26	225	436	0.34	ng		97
11) 2-Methylnaphthalene	12.64	142	1744	0.32	ng		96
15) Acenaphthylene	14.51	152	12769	0.32	ng		99
16) Acenaphthene	14.87	154	2224	0.34	ng		96
17) Fluorene	15.86	166	2638	0.33	ng		98
19) Hexachlorobenzene	16.87	284	827m	0.32	ng		
20) Pentachlorophenol	17.26	266	135	0.35	ng		86
21) Phenanthrene	17.60	178	4916	0.34	ng	#	75
22) Anthracene	17.70	178	4489	0.33	ng		99
23) Fluoranthene	19.59	202	22168	0.33	ng		98
25) Pyrene	19.95	202	23505	0.32	ng		99
27) Benzo(a)anthracene	21.70	228	25533m	0.38	ng		
28) Chrysene	21.75	228	28088m	0.36	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	1587	0.38	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.56	276	24763	0.33	ng		98
32) Benzo(b)fluoranthene	23.36	252	6012	0.31	ng		97
33) Benzo(k)fluoranthene	23.40	252	5955	0.30	ng		99
34) Benzo(a)pyrene	23.97	252	5149	0.29	ng		97
35) Dibenzo(a,h)anthracene	26.60	278	4954	0.28	ng		98
36) Benzo(g,h,i)perylene	27.33	276	22194	0.30	ng		97

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

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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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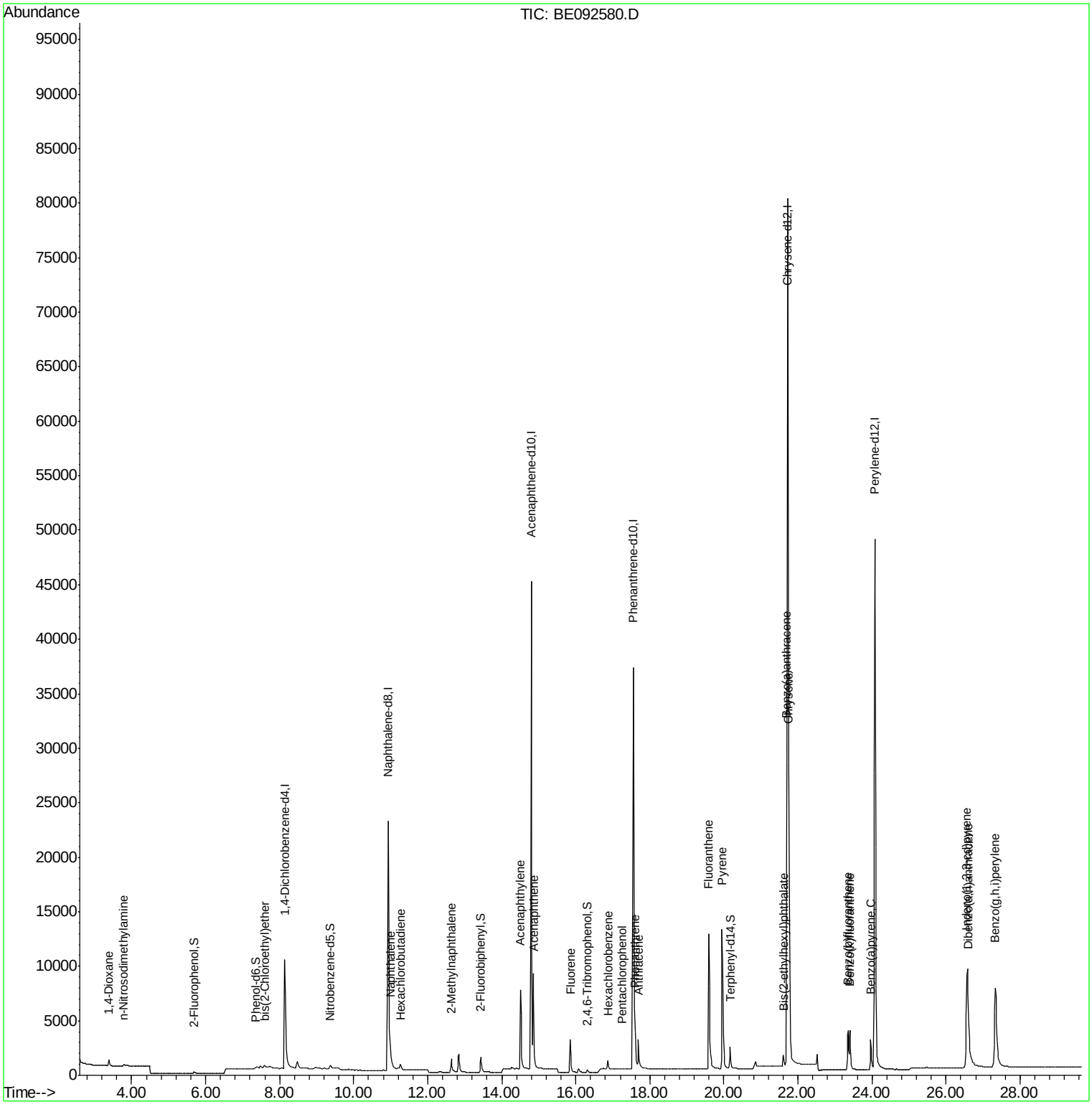
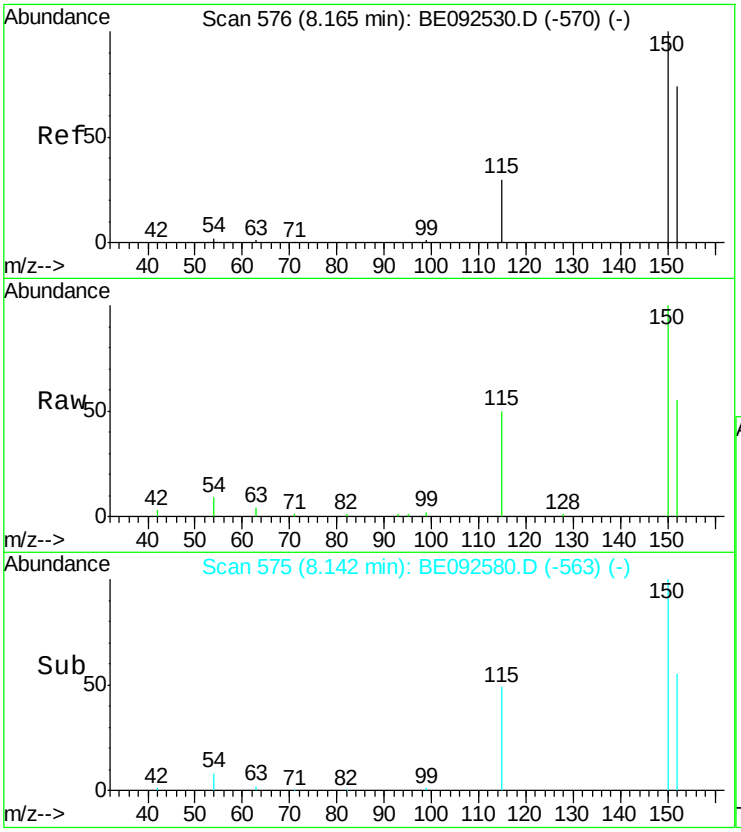
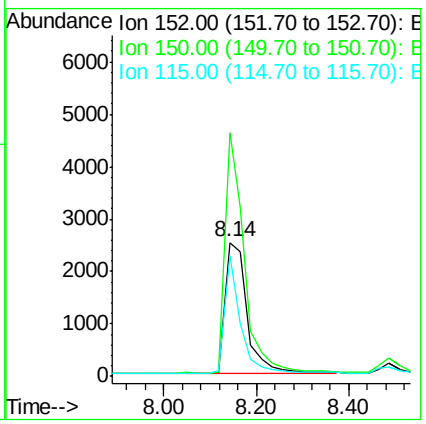




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:152 Resp: 8445

Ion	Ratio	Lower	Upper
152	100		
150	181.5	106.0	159.0#
115	90.4	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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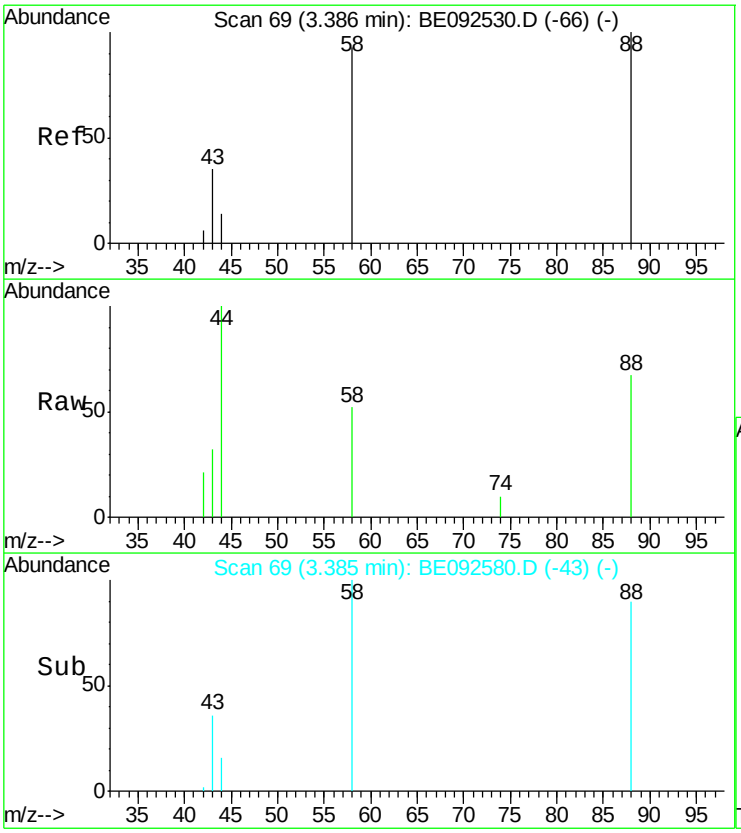
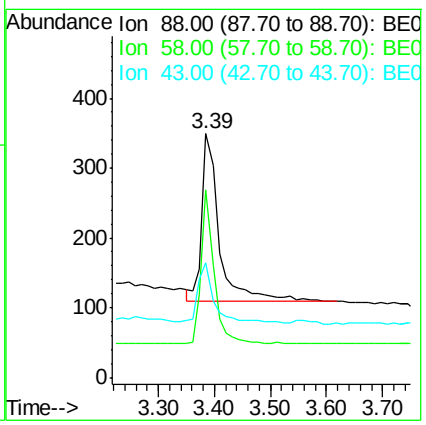
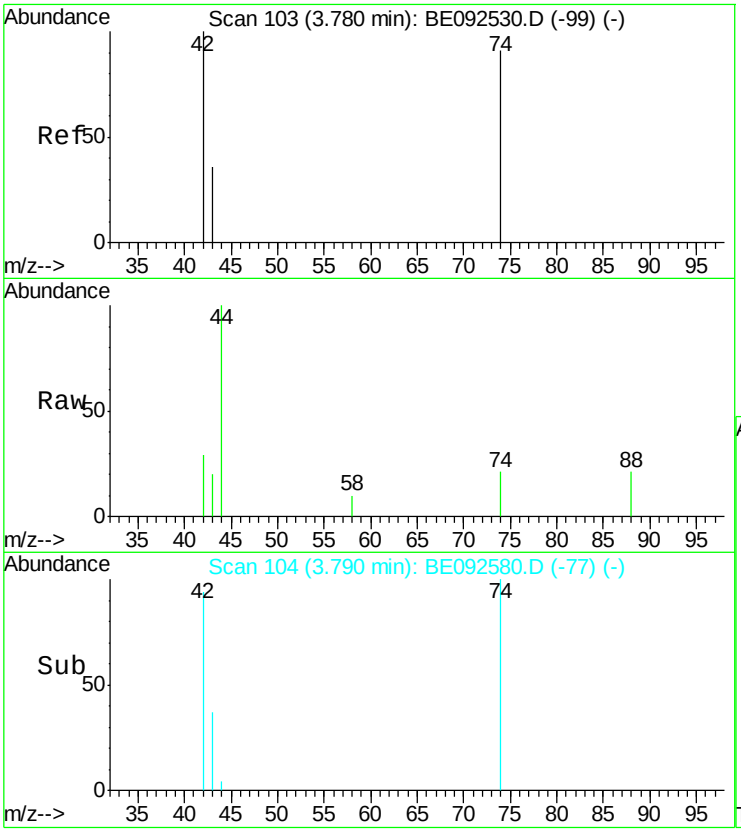


#2
1,4-Dioxane
Concen: 0.38 ng
RT: 3.39 min Scan# 69
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion: 88 Resp: 486

Ion	Ratio	Lower	Upper
88	100		
58	68.9	63.6	95.4
43	34.8	28.0	42.0

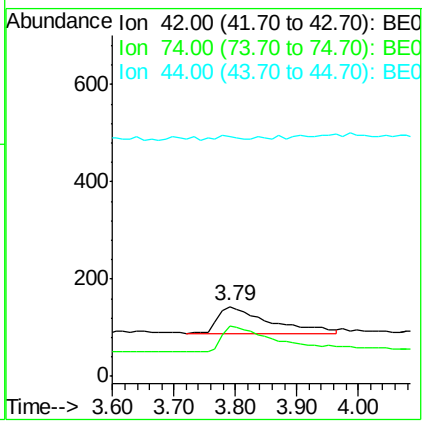




#3
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.79 min Scan# 104
Delta R.T. 0.01 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion: 42 Resp: 313

Ion	Ratio	Lower	Upper
42	100		
74	111.5	86.0	129.0
44	7.3	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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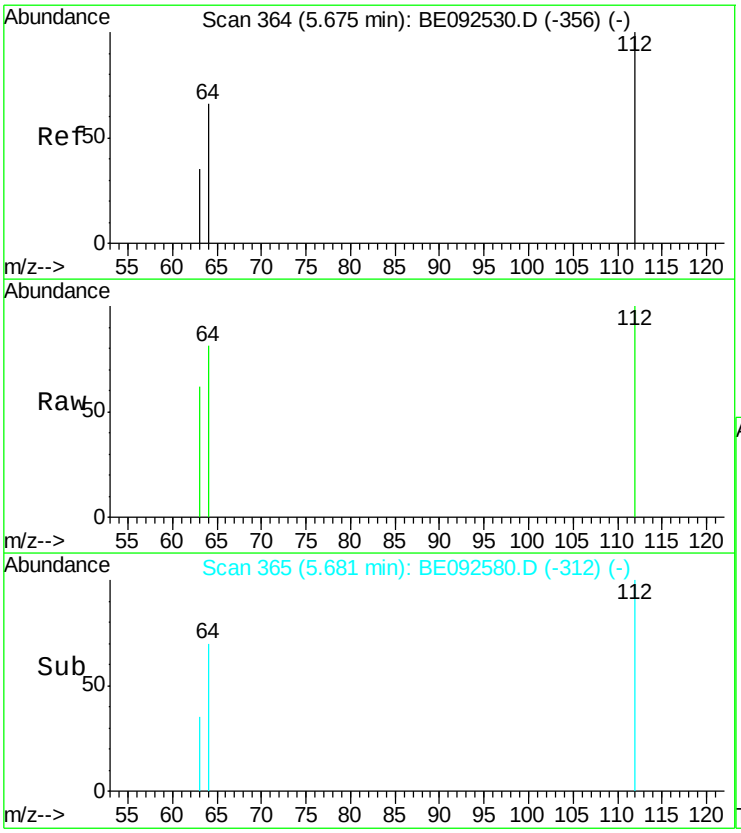
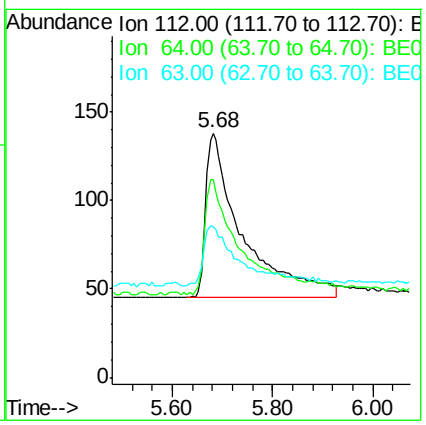
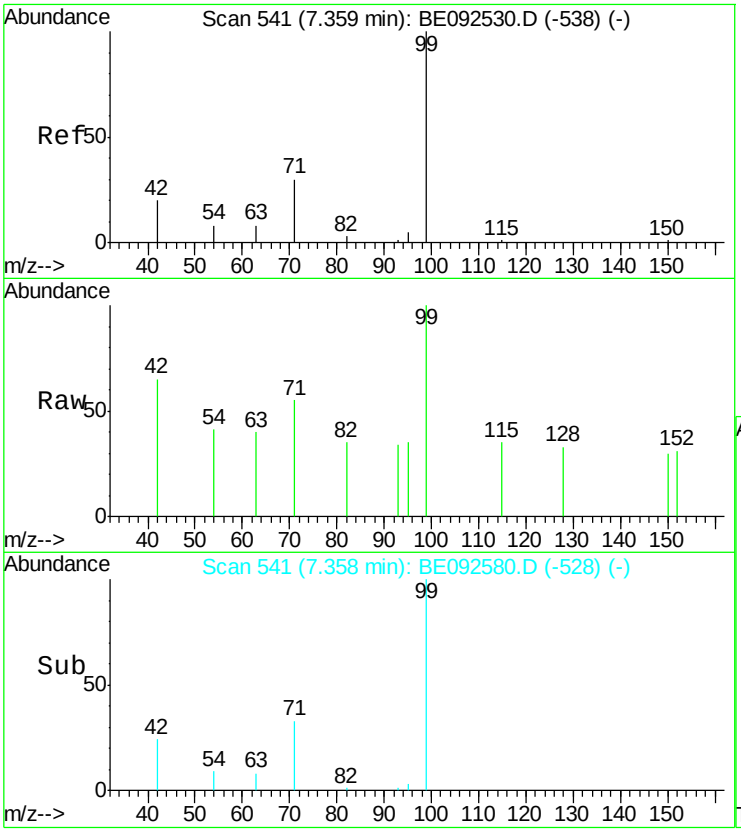


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.68 min Scan# 365
Delta R.T. 0.01 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:112 Resp: 472

Ion	Ratio	Lower	Upper
112	100		
64	67.2	53.5	80.3
63	34.3	27.9	41.9





#5
Phenol-d6
Concen: 0.35 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion: 99 Resp: 571

Ion	Ratio	Lower	Upper
99	100		
42	25.4	16.0	24.0#
71	37.5	30.6	45.8

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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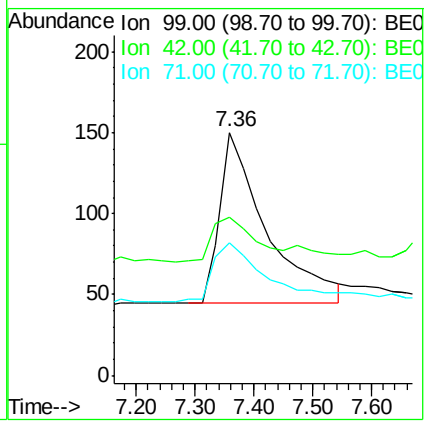
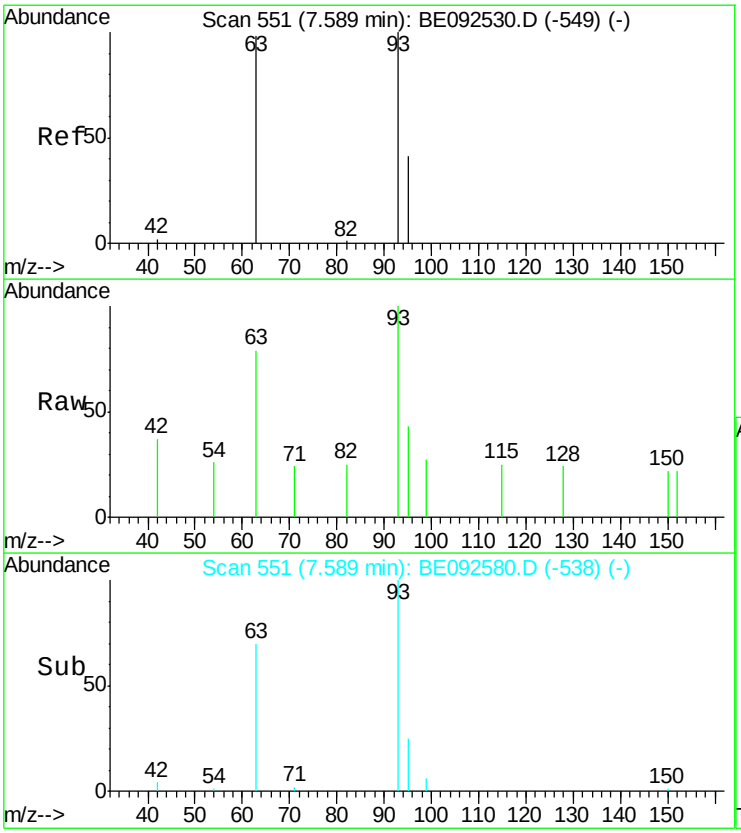
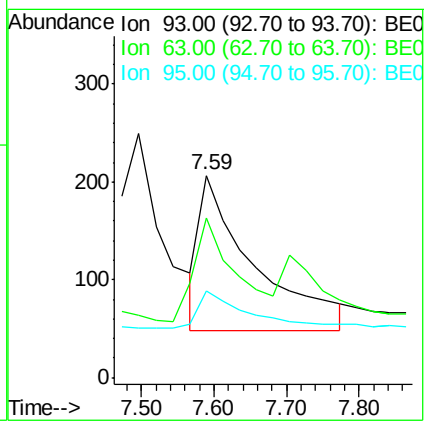


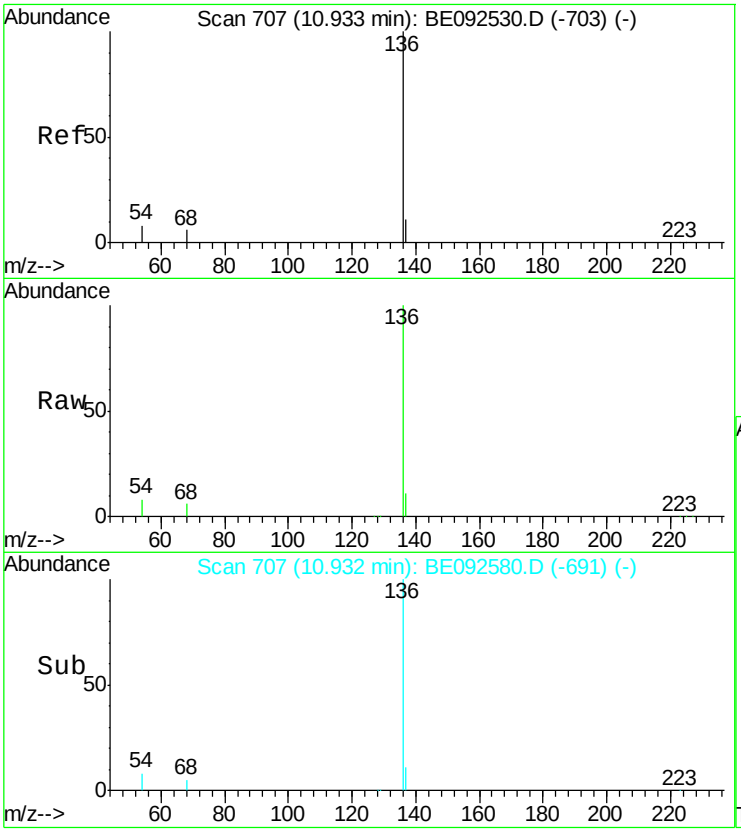


#6
bis(2-Chloroethyl)ether
Concen: 0.36 ng m
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion: 93 Resp: 832

Ion	Ratio	Lower	Upper
93	100		
63	50.0	71.6	107.4#
95	22.7	24.0	36.0#

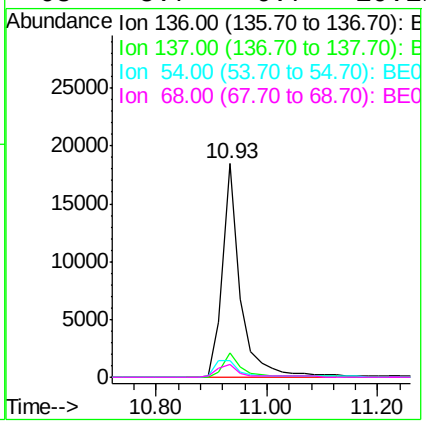




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:136 Resp: 40925

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	7.8	9.6	14.4#
68	5.7	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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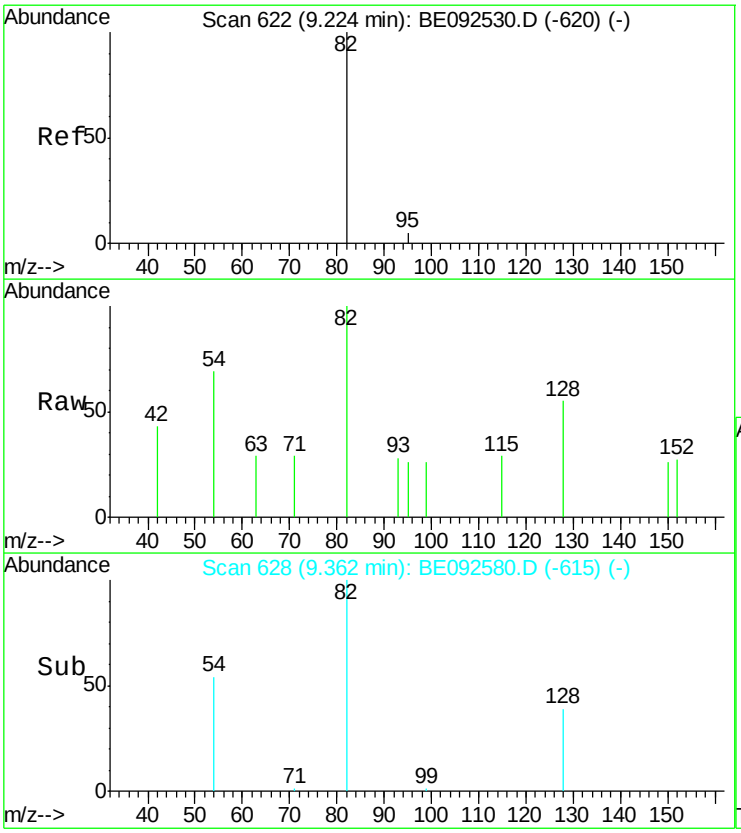
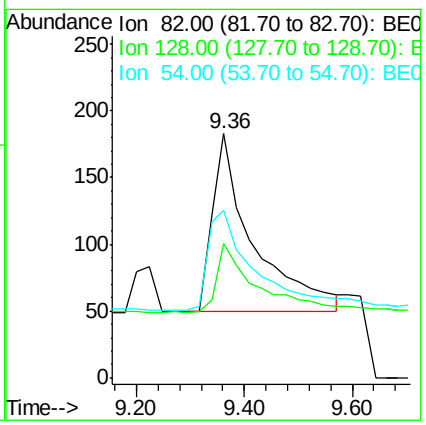
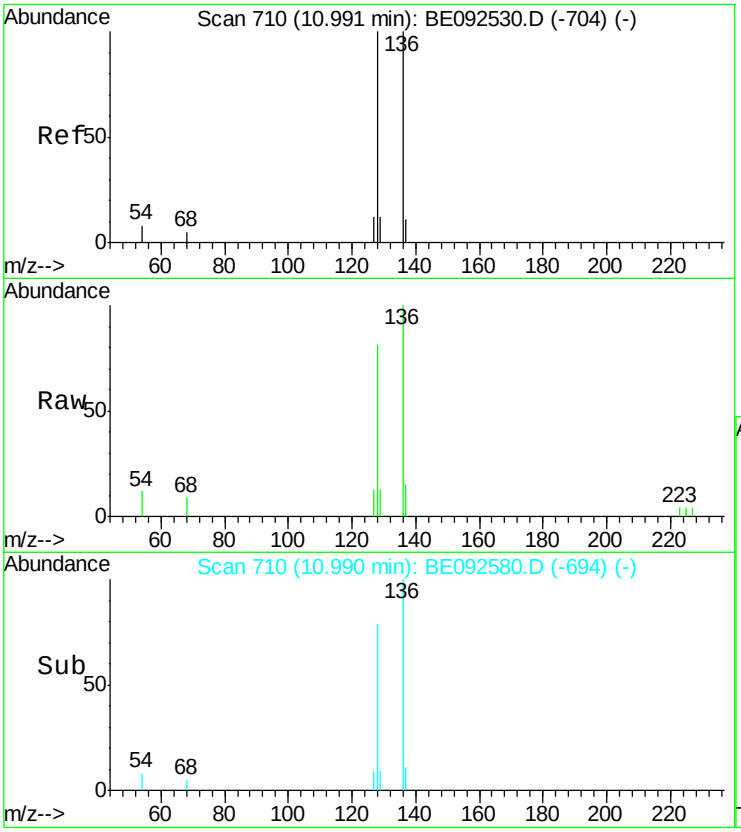


#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion: 82 Resp: 691

Ion	Ratio	Lower	Upper
82	100		
128	55.2	39.0	58.4
54	68.9	44.8	67.2#

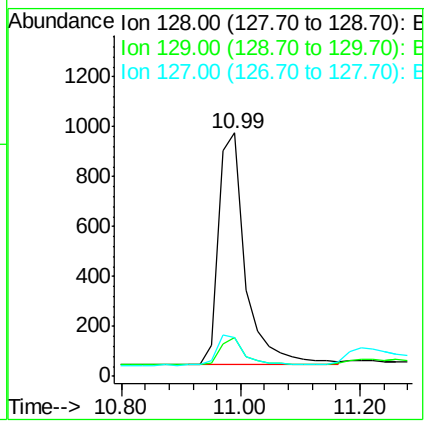




#9
Naphthalene
Concen: 0.34 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:128 Resp: 2881

Ion	Ratio	Lower	Upper
128	100		
129	15.9	11.2	16.8
127	15.9	11.6	17.4



Instrument :
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ClientSampleId :
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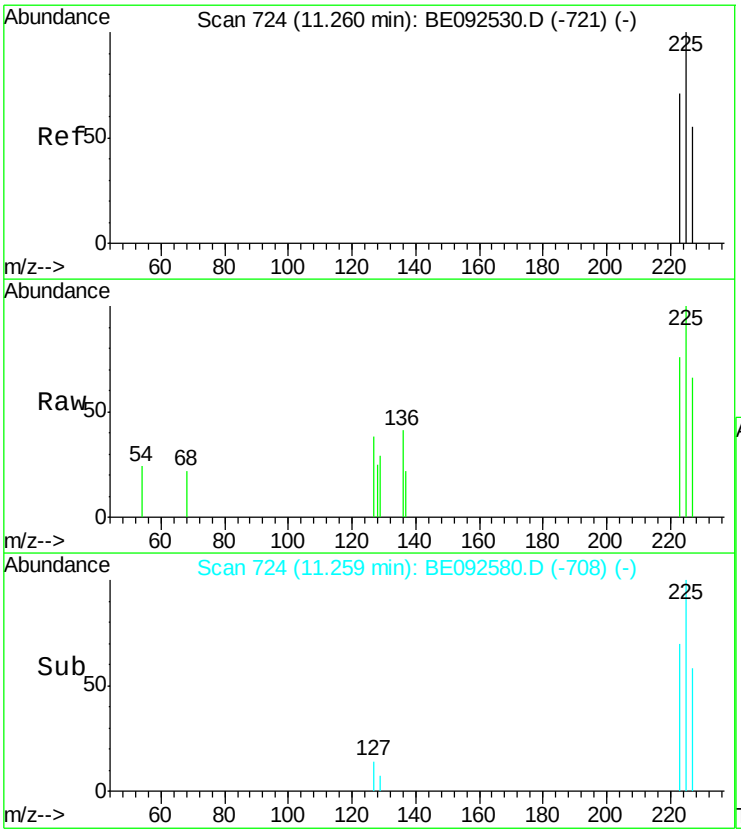
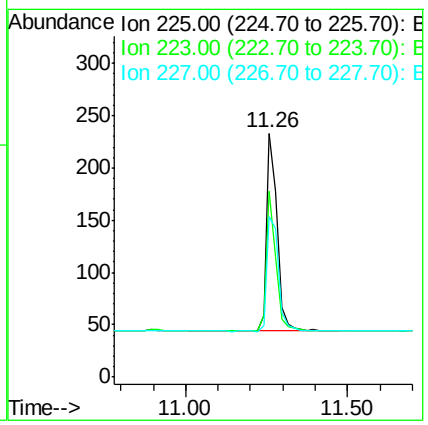
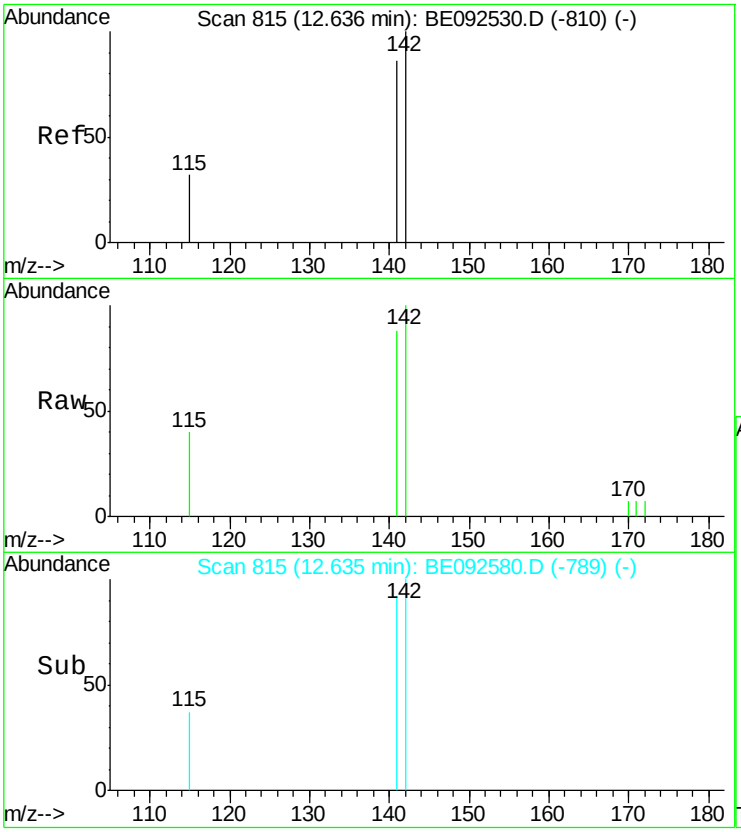


#10
Hexachlorobutadiene
Concen: 0.34 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:225 Resp: 436

Ion	Ratio	Lower	Upper
225	100		
223	65.4	50.6	76.0
227	67.0	51.4	77.0

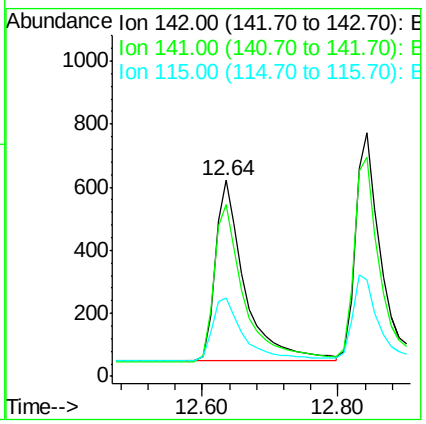




#11
2-Methylnaphthalene
Concen: 0.32 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:142 Resp: 1744

Ion	Ratio	Lower	Upper
142	100		
141	87.6	73.7	110.5
115	39.9	34.0	51.0



Instrument :
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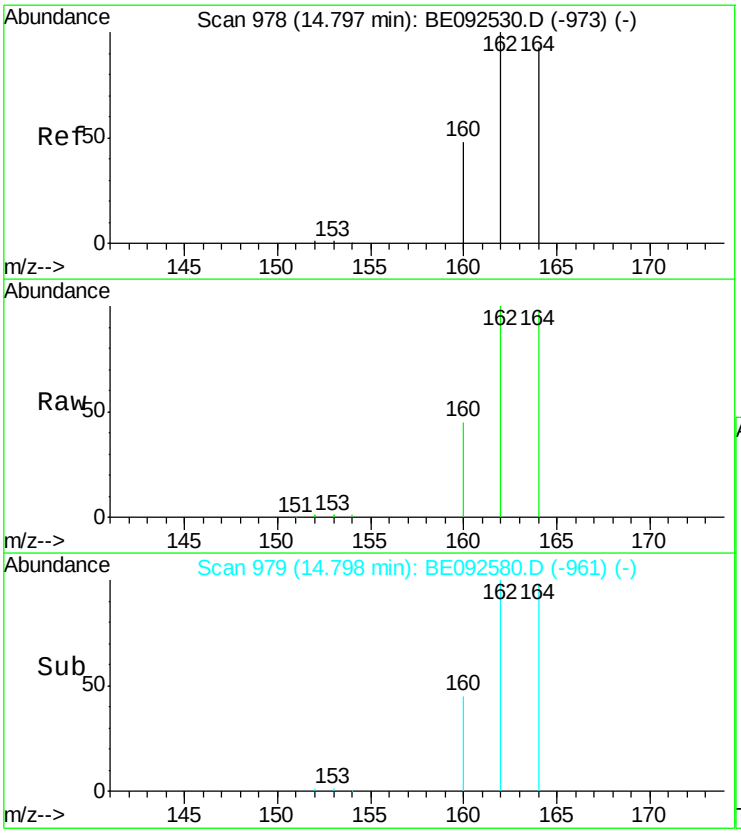
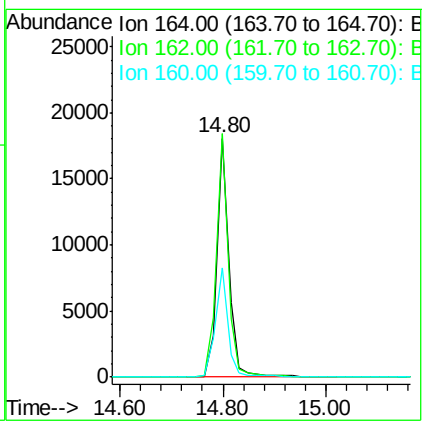
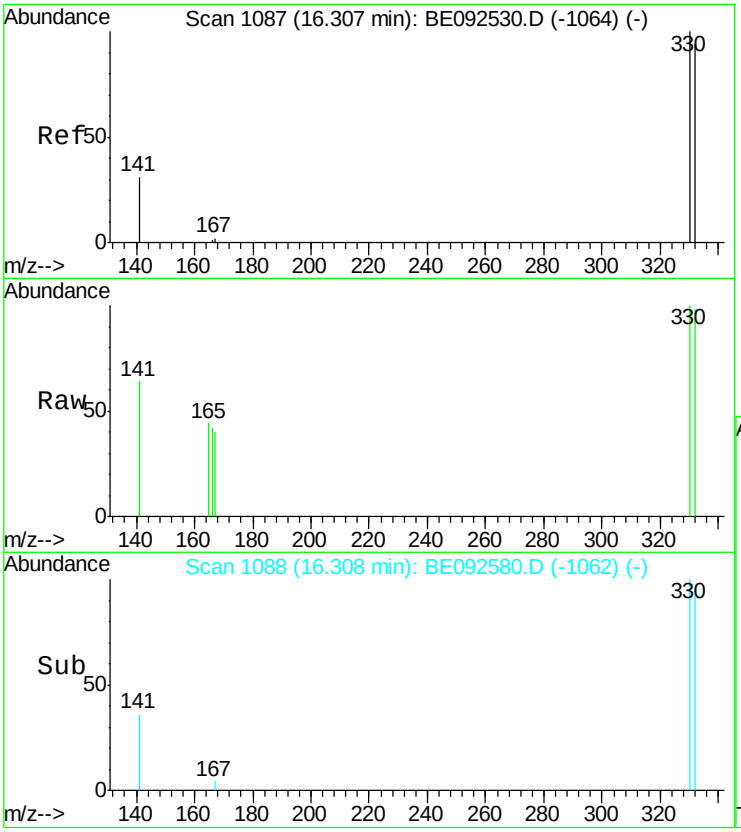


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:164 Resp: 28696

Ion	Ratio	Lower	Upper
164	100		
162	102.0	71.4	107.0
160	45.9	27.4	41.2#

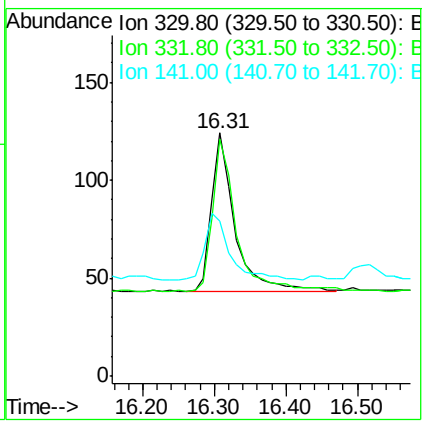




#13
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:330 Resp: 187

Ion	Ratio	Lower	Upper
330	100		
332	95.7	75.4	113.0
141	44.4	31.0	46.6



Instrument :
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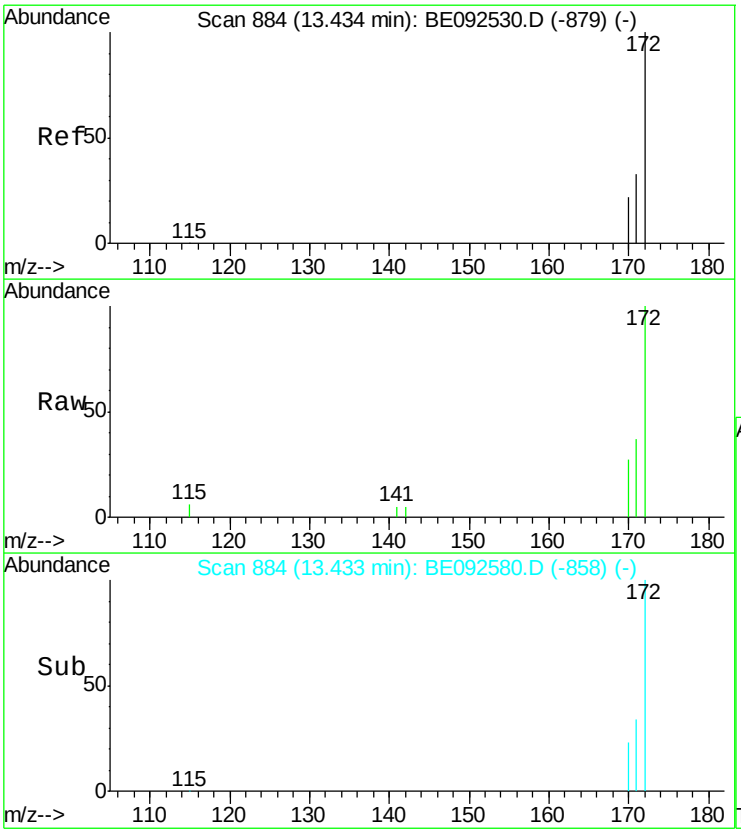
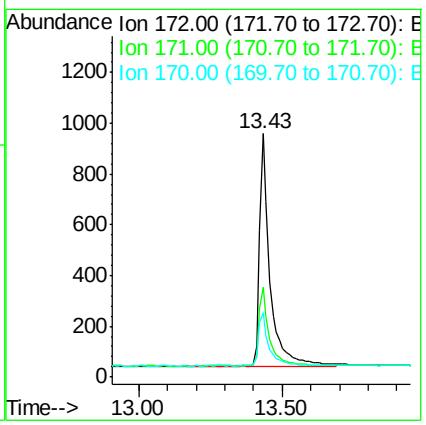
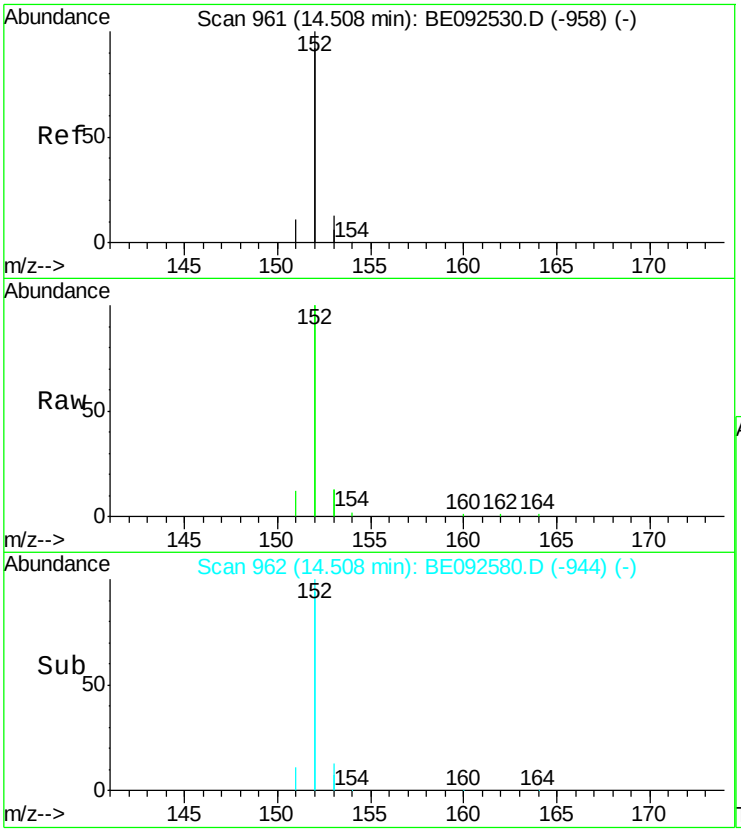


#14
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:172 Resp: 2310

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.1	45.1
170	26.7	21.8	32.6

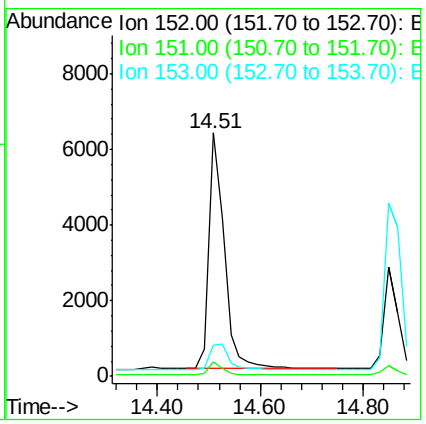




#15
Acenaphthylene
Concen: 0.32 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:152 Resp: 12769

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.3	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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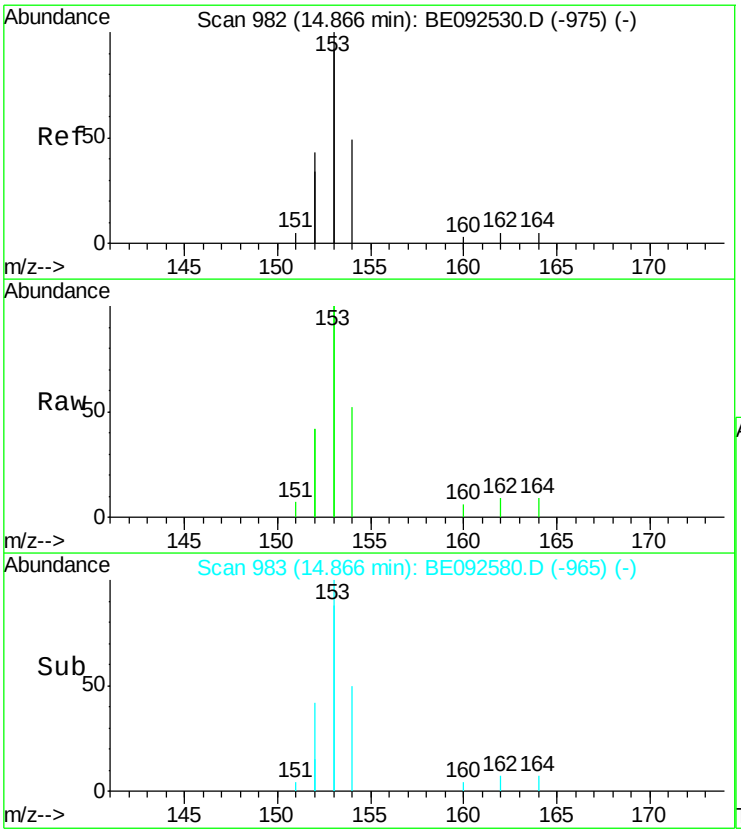
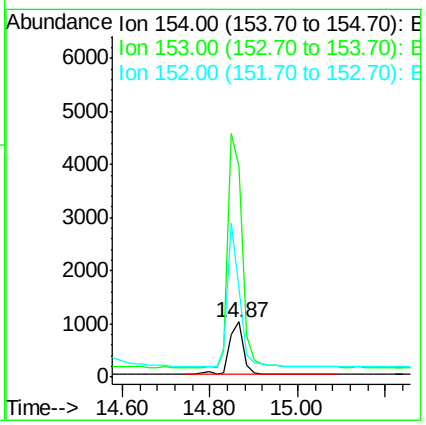
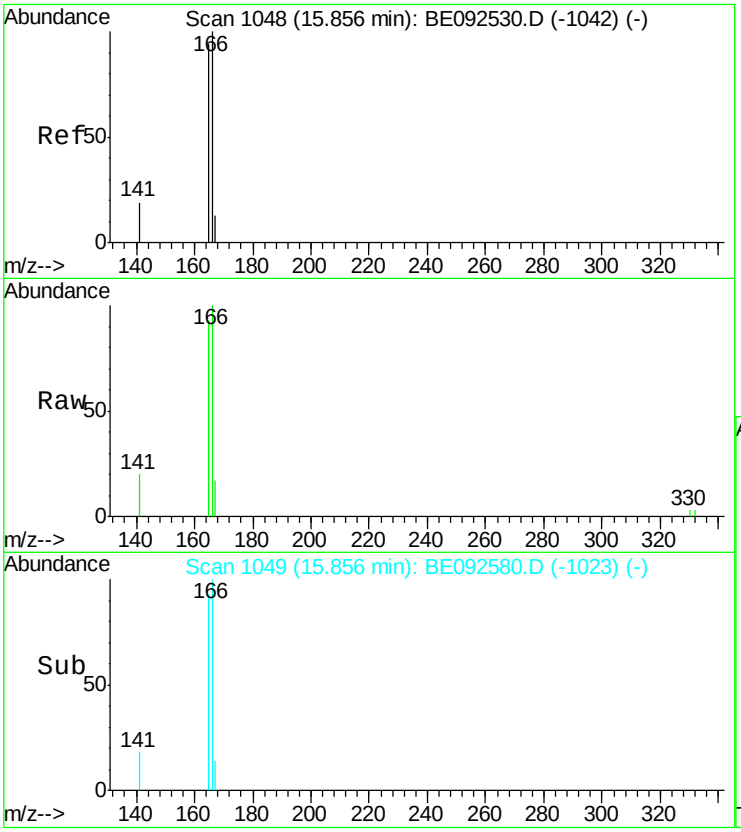


#16
Acenaphthene
Concen: 0.34 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:154 Resp: 2224

Ion	Ratio	Lower	Upper
154	100		
153	434.3	350.8	526.2
152	229.0	171.1	256.7

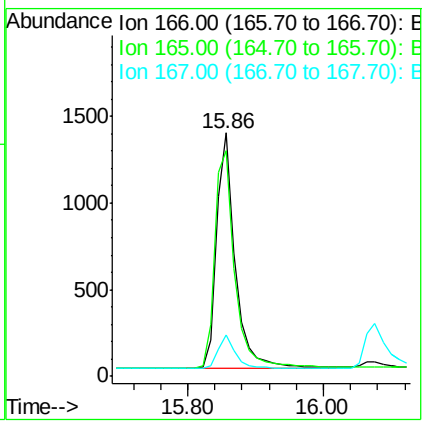




#17
Fluorene
Concen: 0.33 ng
RT: 15.86 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:166 Resp: 2638

Ion	Ratio	Lower	Upper
166	100		
165	100.0	78.2	117.4
167	13.7	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
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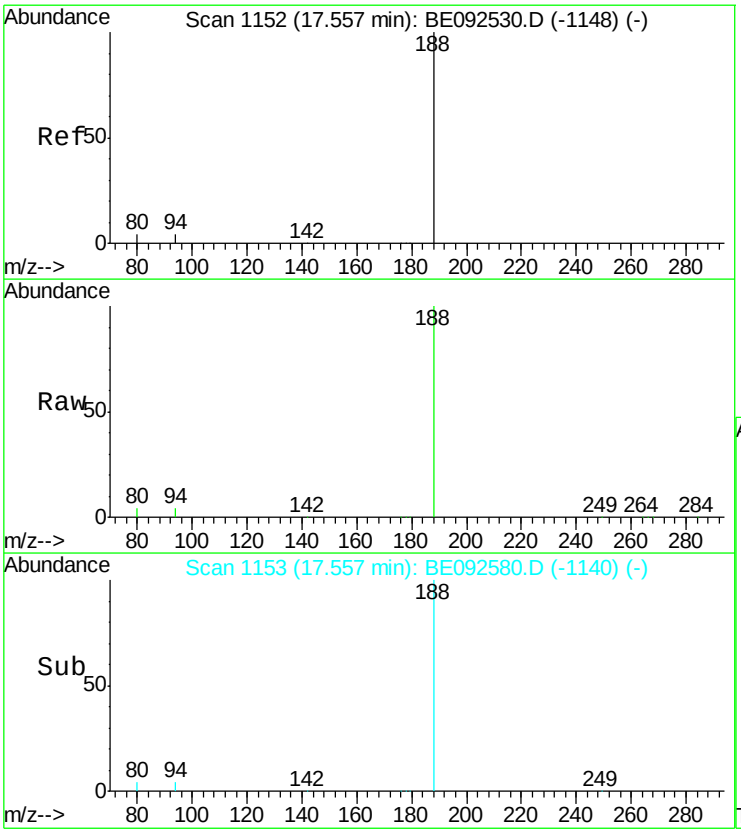
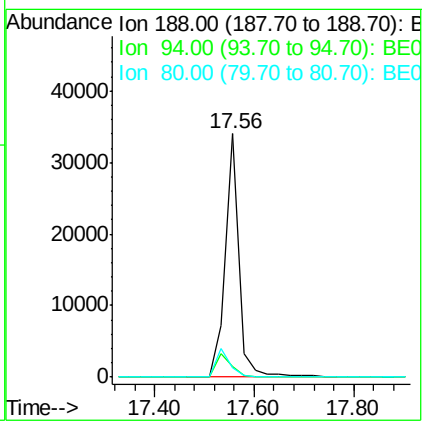
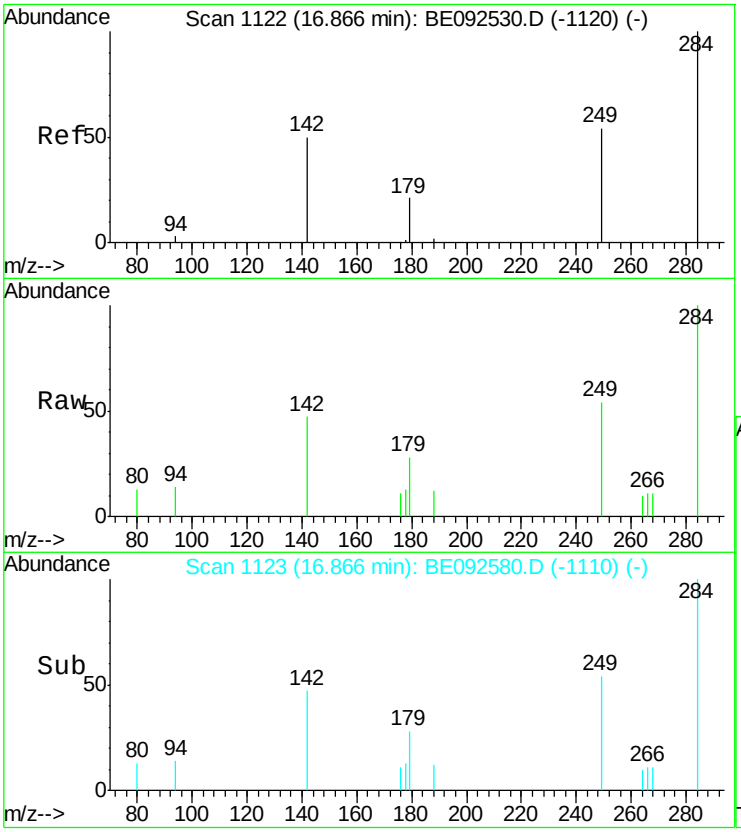


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:188 Resp: 64598

Ion	Ratio	Lower	Upper
188	100		
94	4.5	3.2	4.8
80	3.9	2.6	3.8#

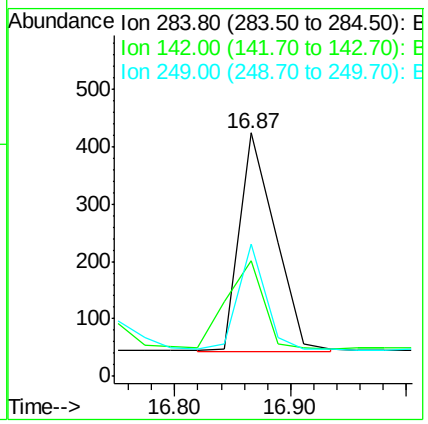




#19
Hexachlorobenzene
Concen: 0.32 ng m
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:284 Resp: 827

Ion	Ratio	Lower	Upper
284	100		
142	48.6	29.1	43.7#
249	46.7	27.9	41.9#



Instrument :
BNA_E
ClientSampleId :
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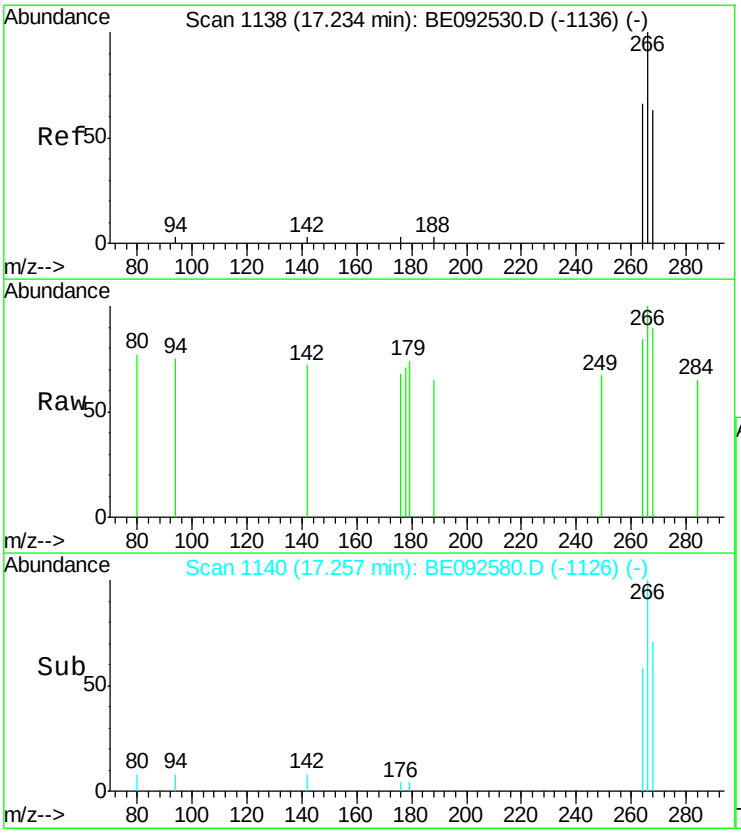
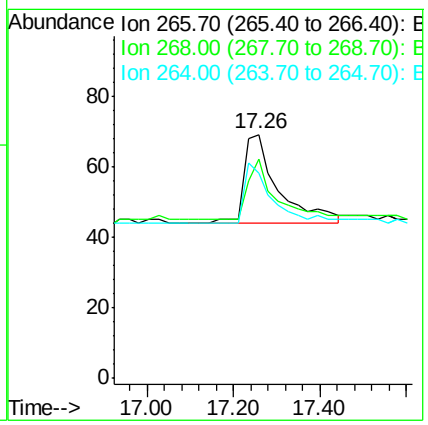
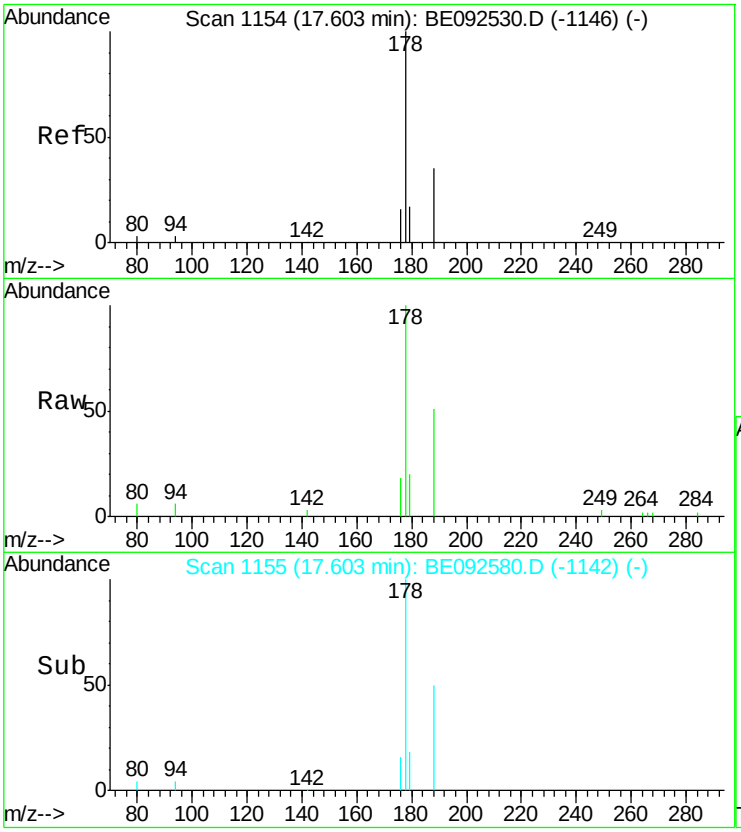


#20
Pentachlorophenol
Concen: 0.35 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.02 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:266 Resp: 135

Ion	Ratio	Lower	Upper
266	100		
268	89.9	62.5	93.7
264	84.1	57.2	85.8

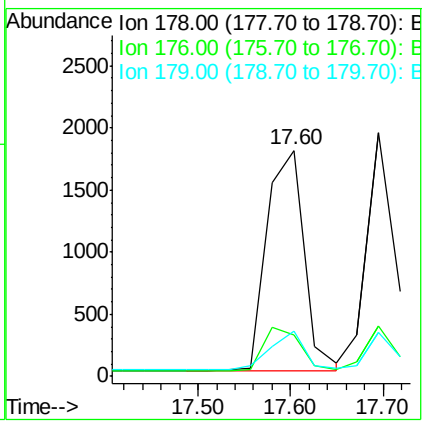




#21
Phenanthrene
Concen: 0.34 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:178 Resp: 4916

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	16.4	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
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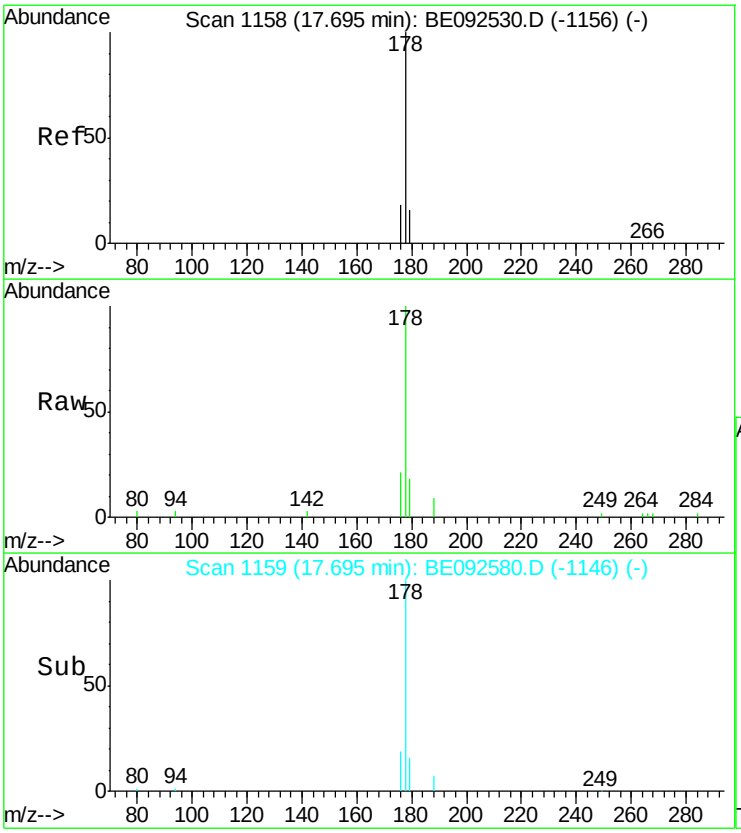
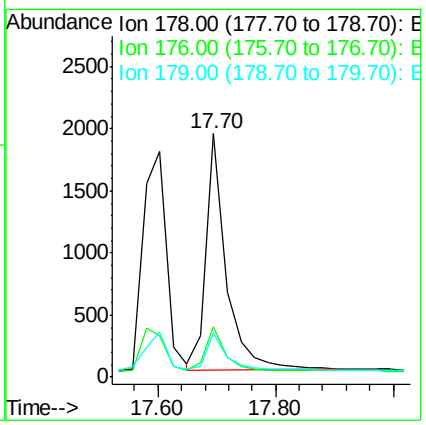
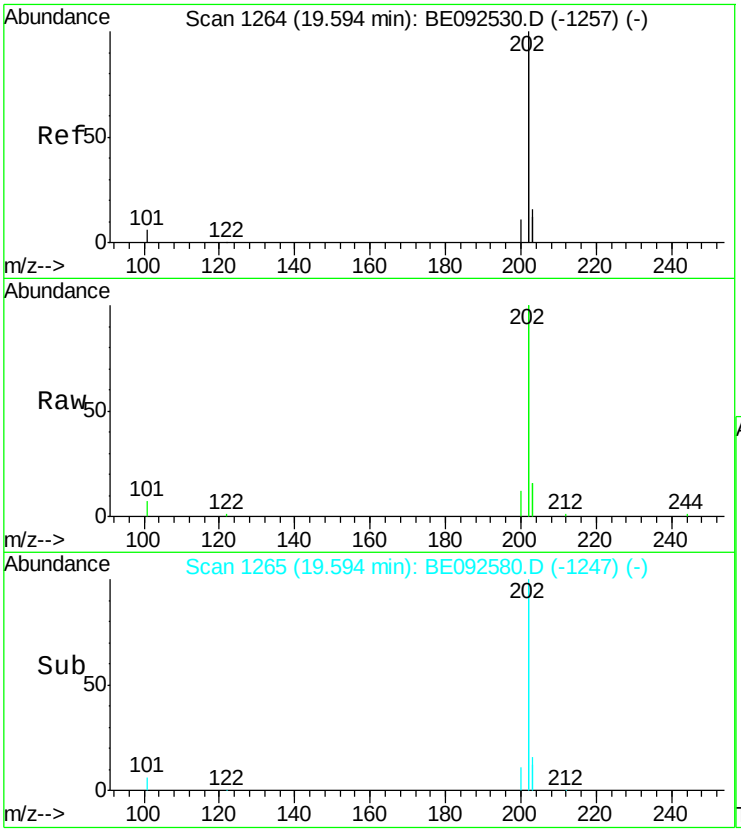


#22
Anthracene
Concen: 0.33 ng
RT: 17.70 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:178 Resp: 4489

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.9	12.2	18.2

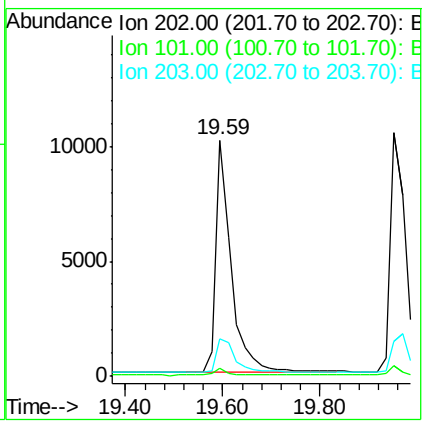




#23
Fluoranthene
Concen: 0.33 ng
RT: 19.59 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:202 Resp: 22168

Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.8	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
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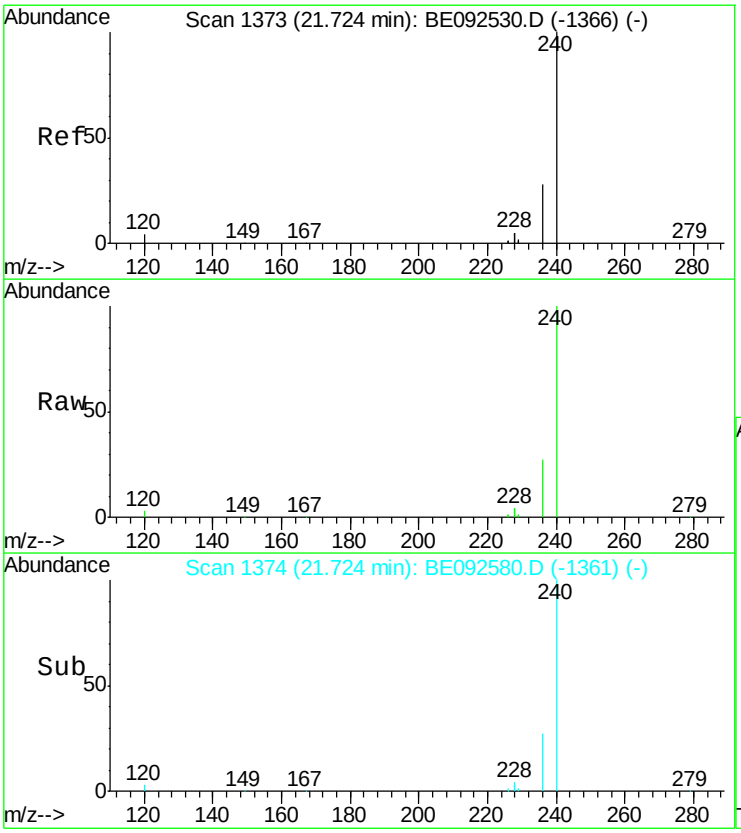
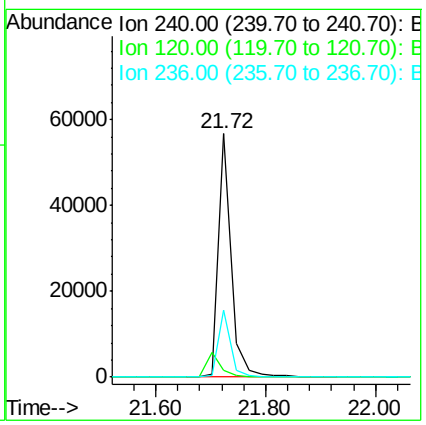
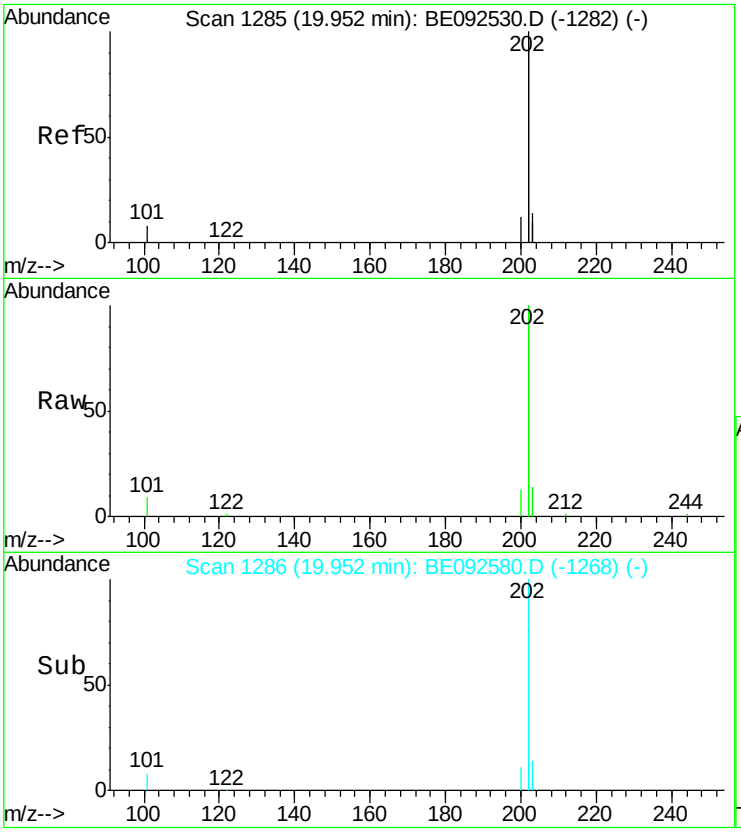


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:240 Resp: 92929

Ion	Ratio	Lower	Upper
240	100		
120	2.8	2.6	4.0
236	27.3	24.6	37.0

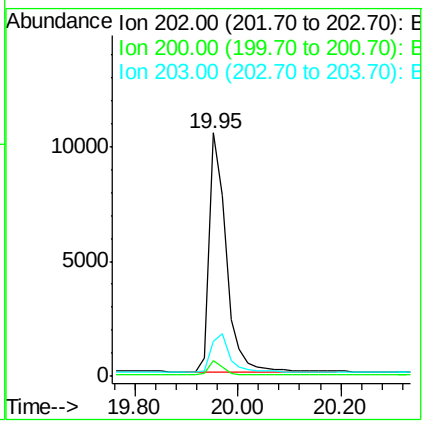




#25
Pyrene
Concen: 0.32 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:202 Resp: 23505

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.0	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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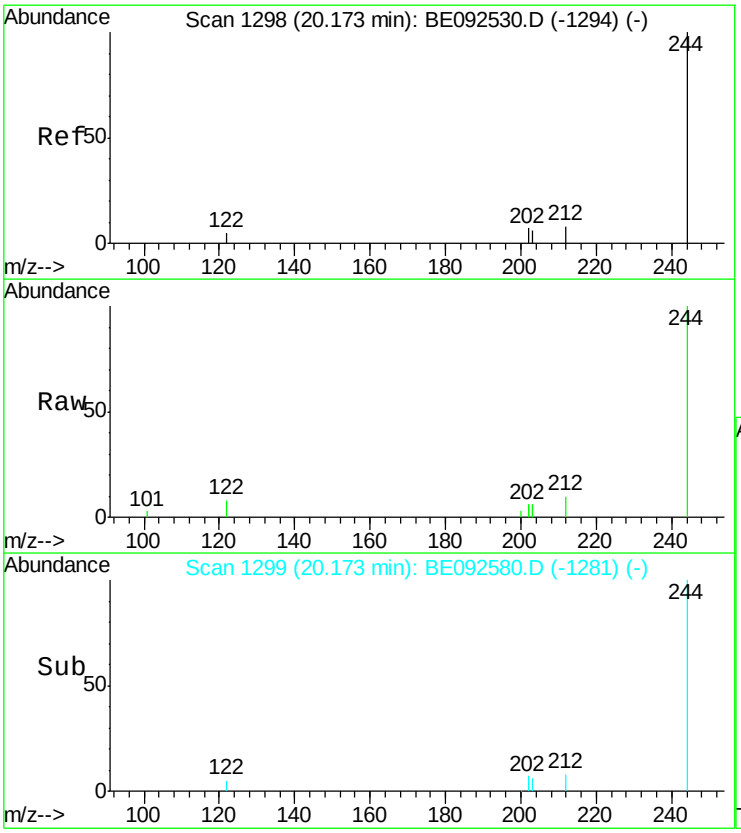
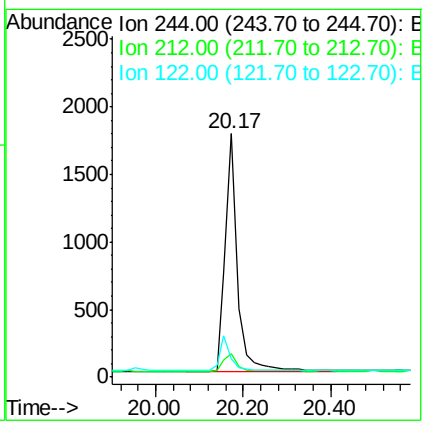
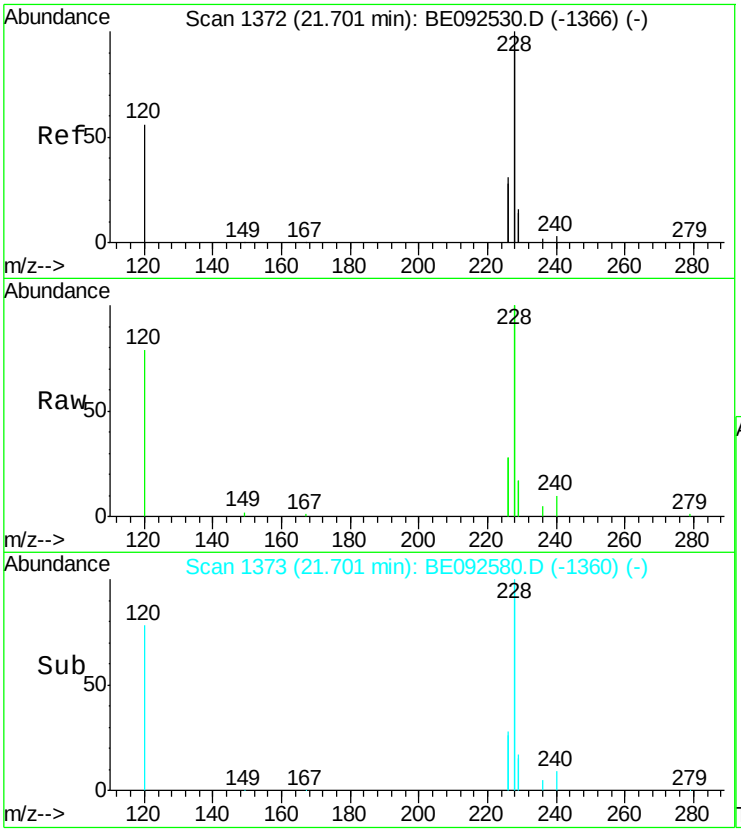


#26
Terphenyl-d14
Concen: 0.32 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:244 Resp: 3430

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.7	10.1
122	7.6	3.6	5.4#

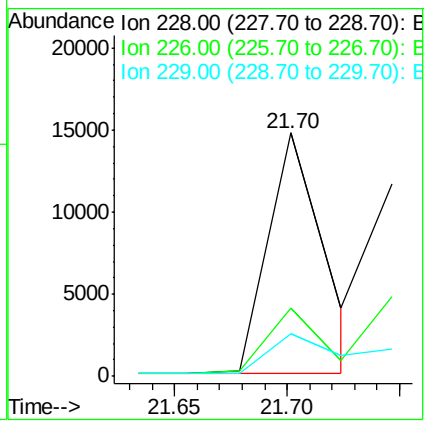




#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:228 Resp: 25533

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.6	35.4
229	17.3	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
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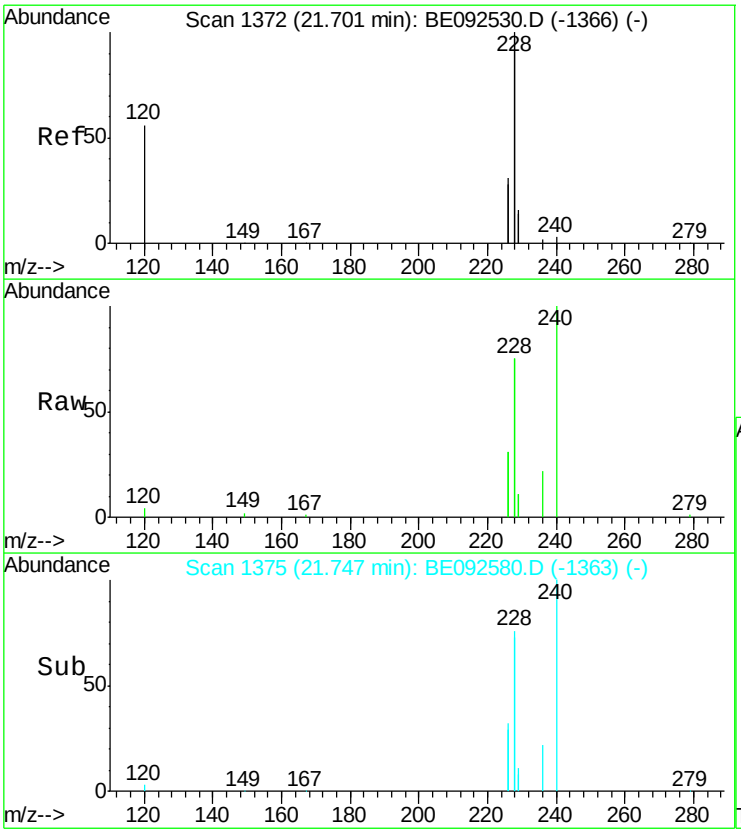
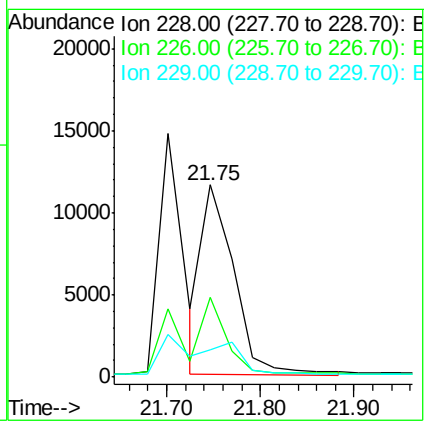
12/2/2016 4:17:52 PM

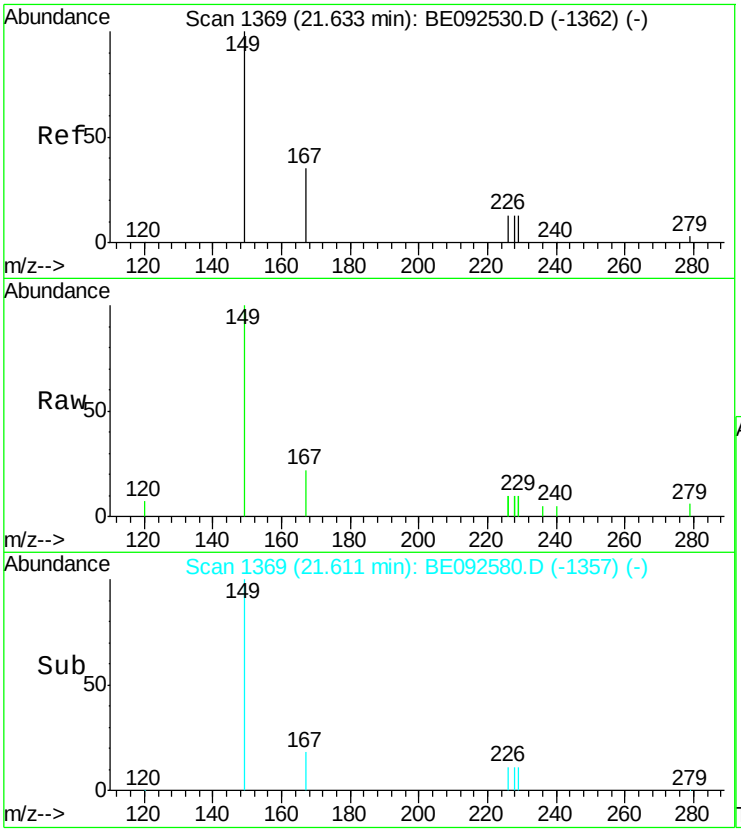


#28
Chrysene
Concen: 0.36 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:228 Resp: 28088

Ion	Ratio	Lower	Upper
228	100		
226	41.6	36.3	54.5
229	14.1	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.38 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:149 Resp: 1587

Ion	Ratio	Lower	Upper
149	100		
167	22.5	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
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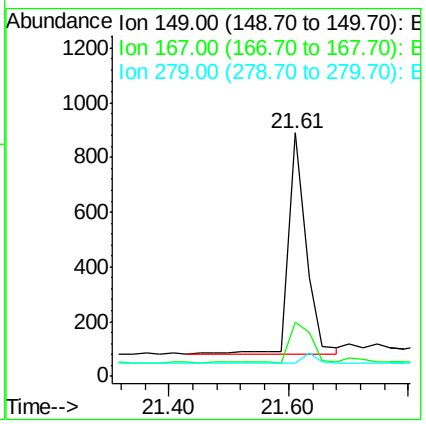
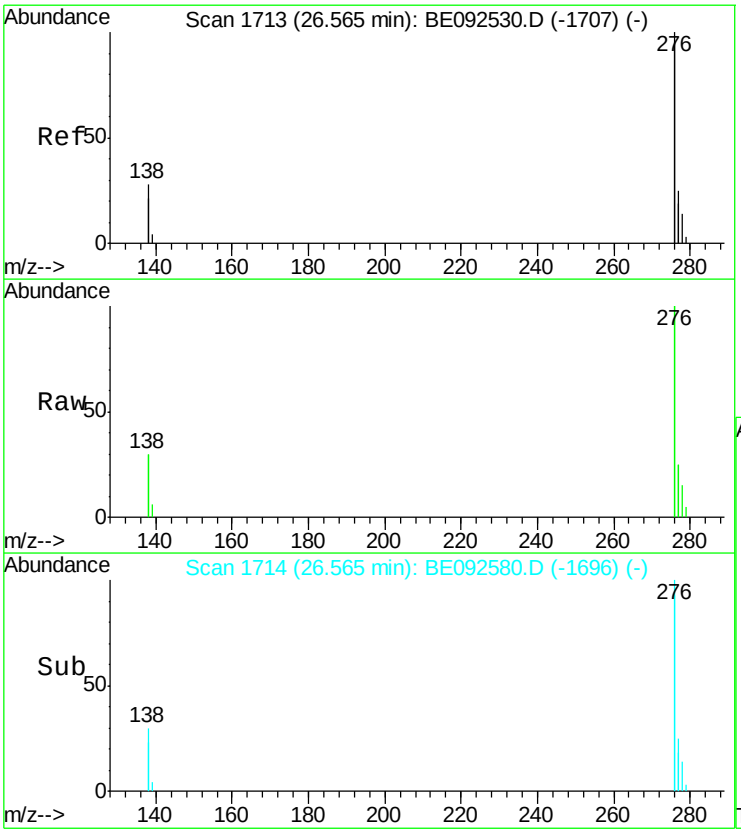
12/2/2016 4:17:52 PM

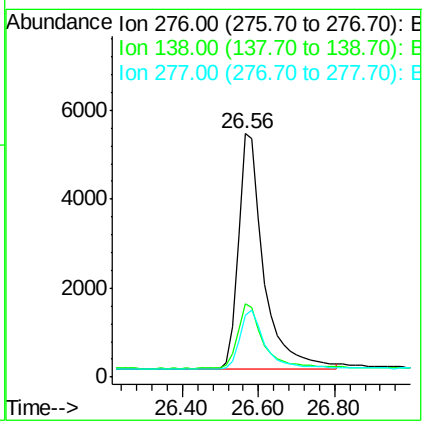


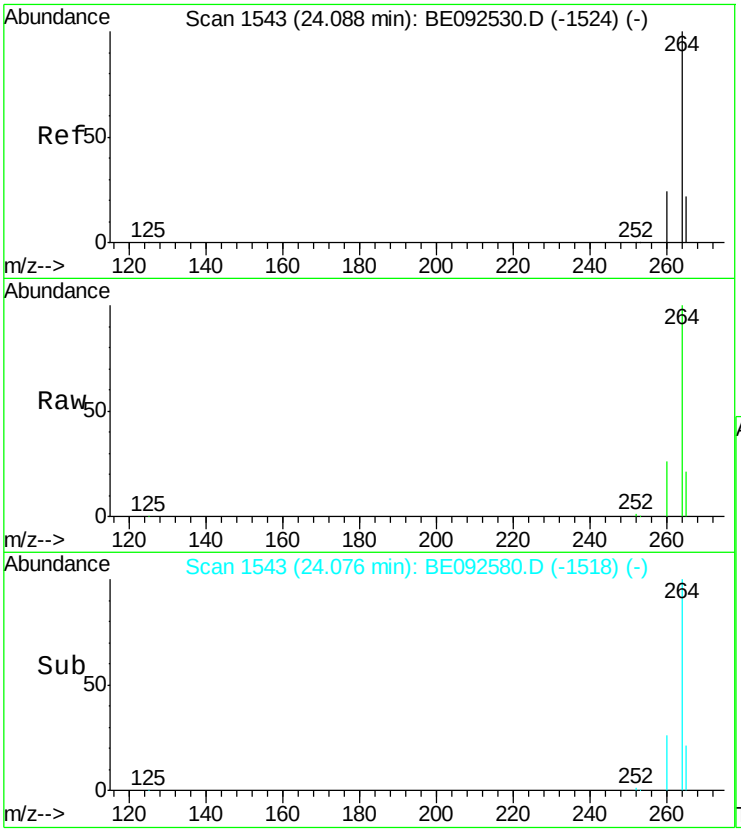


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng
RT: 26.56 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:276 Resp: 24763

Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.3	30.5
277	24.8	19.7	29.5

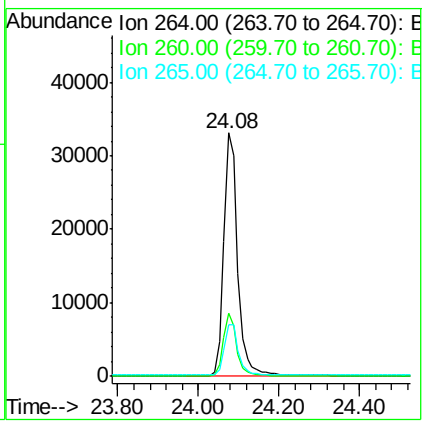




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:264 Resp: 78840

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.1	30.1
265	21.2	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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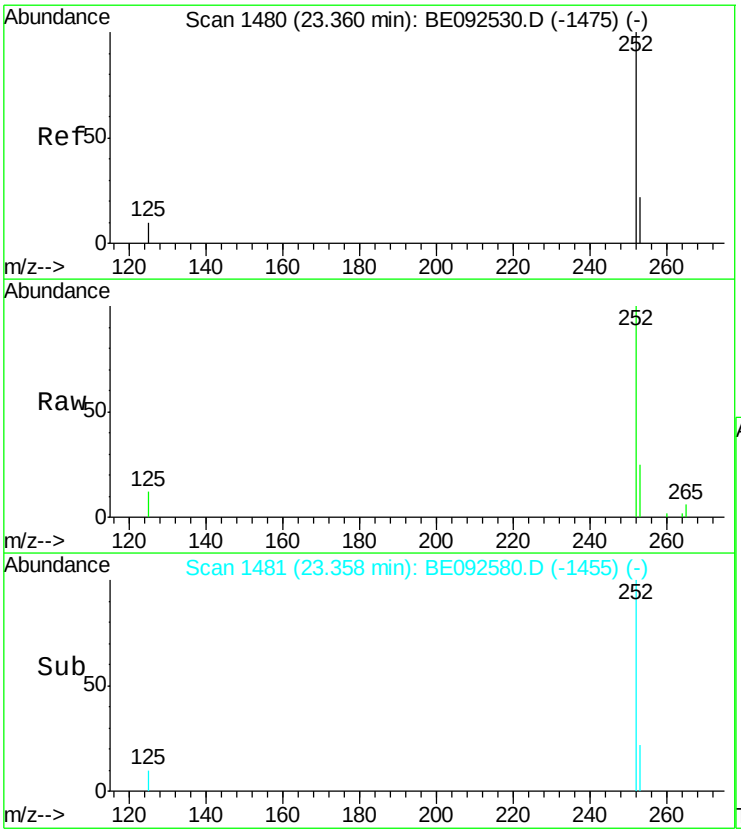
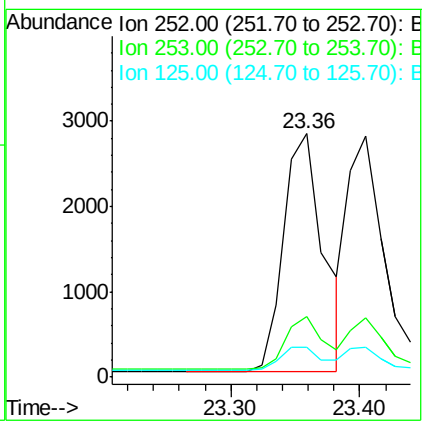
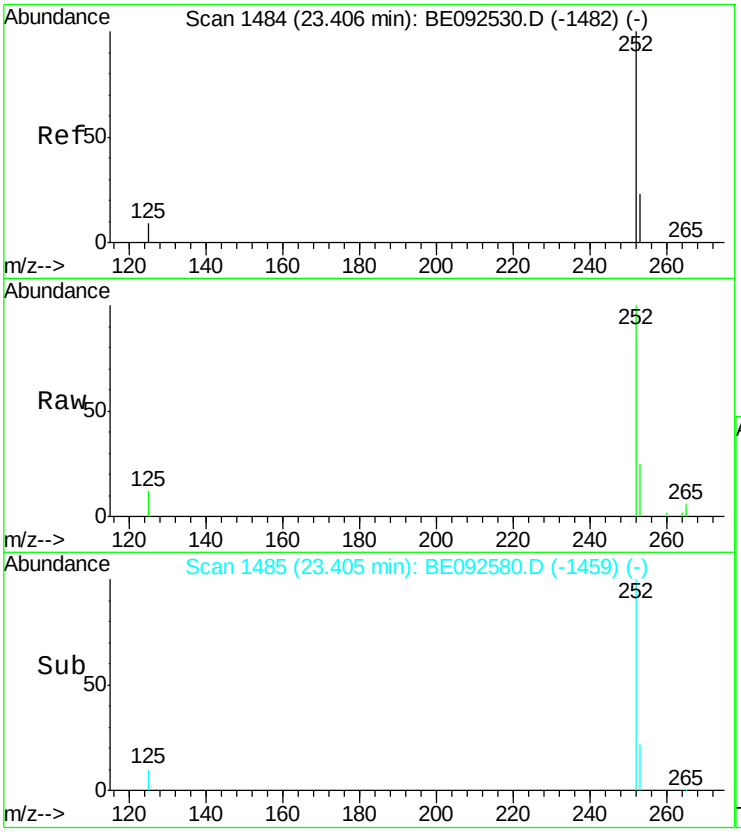


#32
Benzo(b)fluoranthene
Concen: 0.31 ng
RT: 23.36 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:252 Resp: 6012

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.7	28.1
125	12.0	10.5	15.7

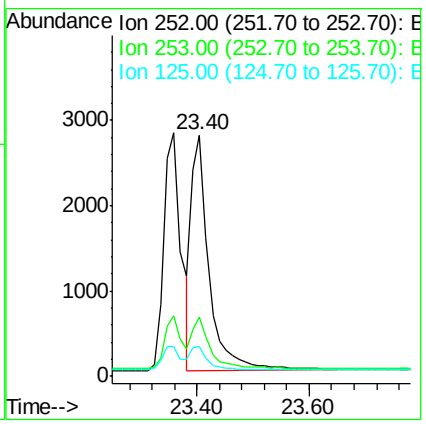




#33
Benzo(k)fluoranthene
Concen: 0.30 ng
RT: 23.40 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:252 Resp: 5955

Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.3	30.5
125	12.2	9.6	14.4



Instrument :
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ClientSampleId :
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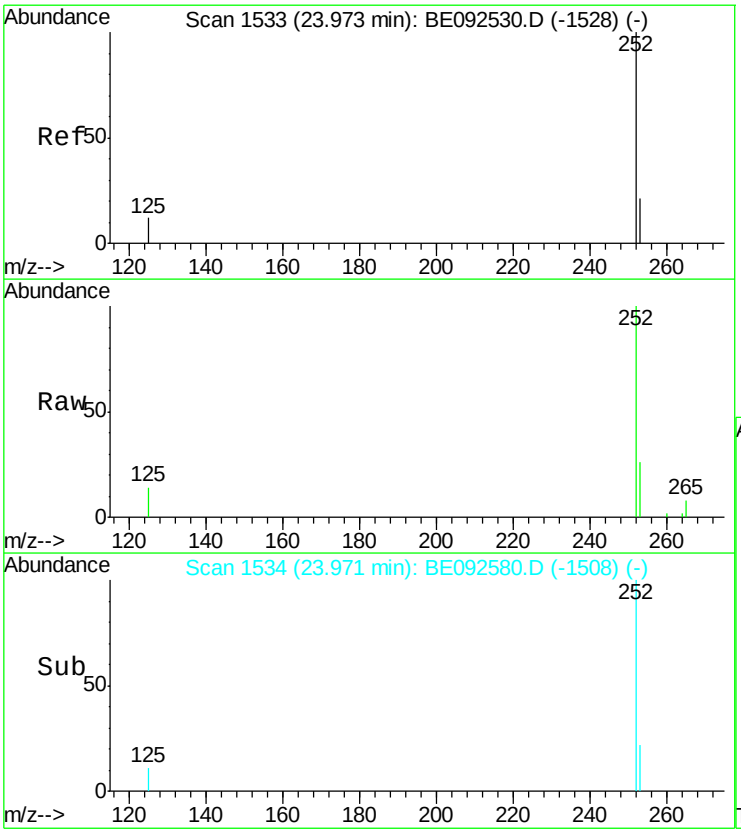
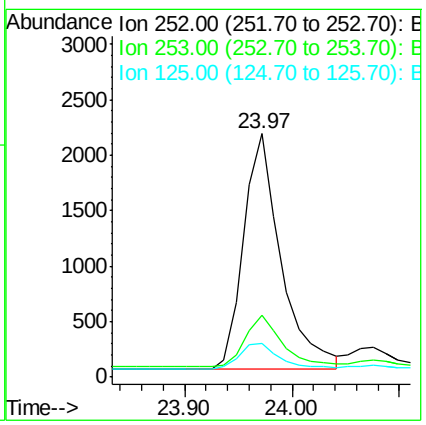
12/2/2016 4:17:52 PM

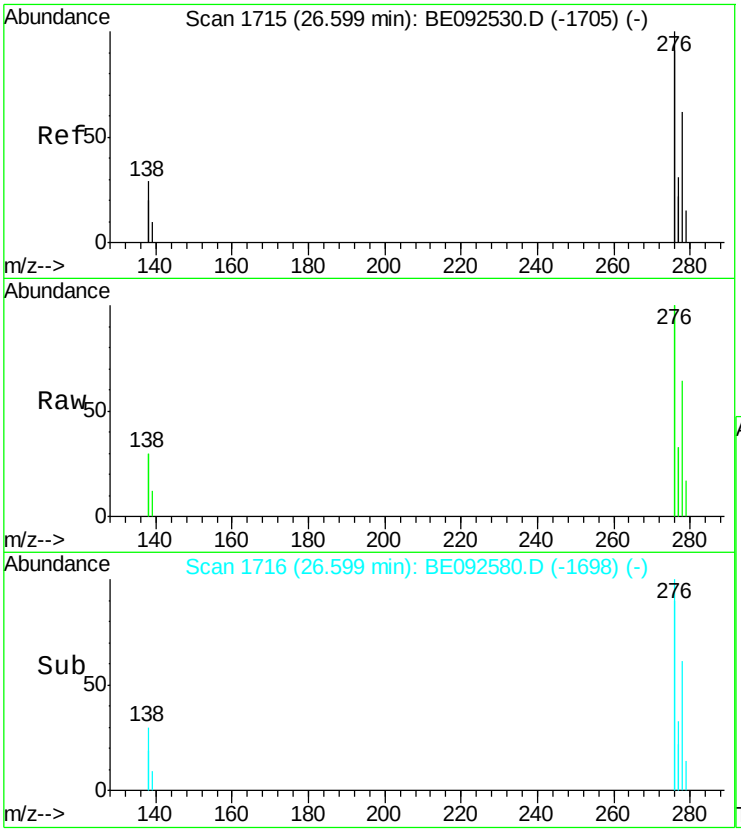


#34
Benzo(a)pyrene
Concen: 0.29 ng
RT: 23.97 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:252 Resp: 5149

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.0	28.6
125	14.0	11.8	17.8

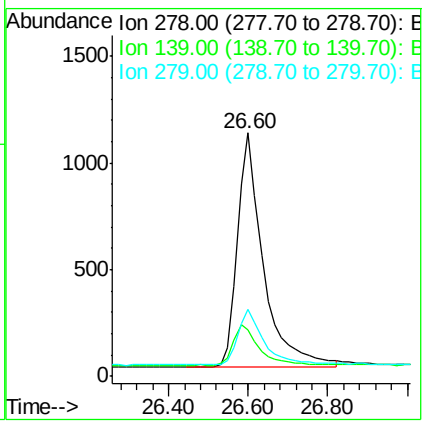




#35
Dibenzo(a,h)anthracene
Concen: 0.28 ng
RT: 26.60 min Scan# 1716
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:278 Resp: 4954

Ion	Ratio	Lower	Upper
278	100		
139	19.2	13.8	20.8
279	27.4	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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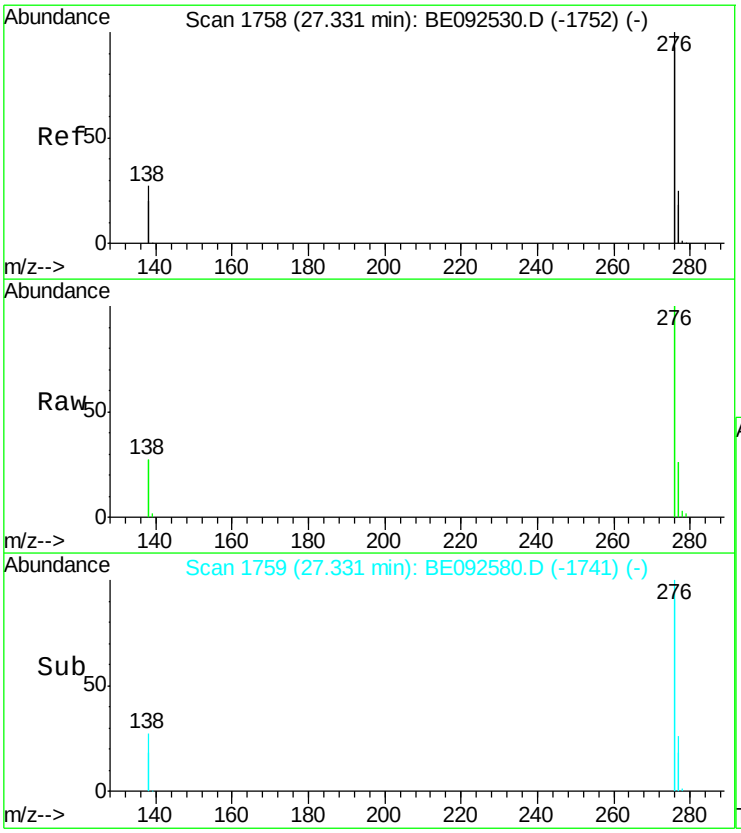

#36
Benzo(g,h,i)perylene
Concen: 0.30 ng
RT: 27.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BE092580.D
Acq: 1 Dec 2016 10:11

Tgt Ion:276 Resp: 22194

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.8	29.8
138	26.6	19.8	29.6