Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120916\
Data File : BE092589.D
Acq On : 9 Dec 2016 10:14
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
sohil
12/12/2016 6:47:02 PM

Quant Time: Dec 09 23:21:09 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	8444	5.00	ng		-0.02
7) Naphthalene-d8	10.93	136	41249	5.00	ng		0.00
12) Acenaphthene-d10	14.80	164	29599	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	66267	5.00	ng		0.00
24) Chrysene-d12	21.72	240	90684	5.00	ng		0.00
31) Perylene-d12	24.08	264	76295	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	677	0.39	ng		0.00
8) Nitrobenzene-d5	9.36	82	850	0.39	ng		0.00
13) 2,4,6-Tribromophenol	16.31	330	219	0.33	ng		0.00
14) 2-Fluorobiphenyl	13.43	172	2858	0.40	ng		0.00
26) Terphenyl-d14	20.17	244	4106	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	538	0.43	ng		92
3) n-Nitrosodimethylamine	3.79	42	386	0.44	ng	#	89
6) bis(2-Chloroethyl)ether	7.59	93	753	0.33	ng	#	81
9) Naphthalene	10.97	128	3479	0.41	ng	#	96
10) Hexachlorobutadiene	11.26	225	538	0.42	ng		98
11) 2-Methylnaphthalene	12.64	142	2130	0.39	ng		94
15) Acenaphthylene	14.51	152	15737	0.38	ng		100
16) Acenaphthene	14.87	154	2721	0.40	ng		96
17) Fluorene	15.84	166	3306	0.40	ng		99
19) Hexachlorobenzene	16.86	284	1097m	0.42	ng		
20) Pentachlorophenol	17.23	266	162	0.41	ng		92
21) Phenanthrene	17.58	178	6325	0.43	ng	#	78
22) Anthracene	17.69	178	5509	0.39	ng		99
23) Fluoranthene	19.59	202	27345	0.40	ng		99
25) Pyrene	19.95	202	28307	0.39	ng		100
27) Benzo(a)anthracene	21.70	228	30084m	0.44	ng		
28) Chrysene	21.75	228	33310m	0.43	ng		
29) Bis(2-ethylhexyl)phthalate	21.61	149	2001	0.45	ng	#	76
30) Indeno(1,2,3-cd)pyrene	26.57	276	29846	0.40	ng		97
32) Benzo(b)fluoranthene	23.35	252	6533	0.35	ng		98
33) Benzo(k)fluoranthene	23.39	252	7729	0.40	ng		96
34) Benzo(a)pyrene	23.97	252	6456	0.38	ng		97
35) Dibenzo(a,h)anthracene	26.58	278	5994	0.35	ng	#	96
36) Benzo(g,h,i)perylene	27.33	276	26122	0.36	ng		98

(#) = 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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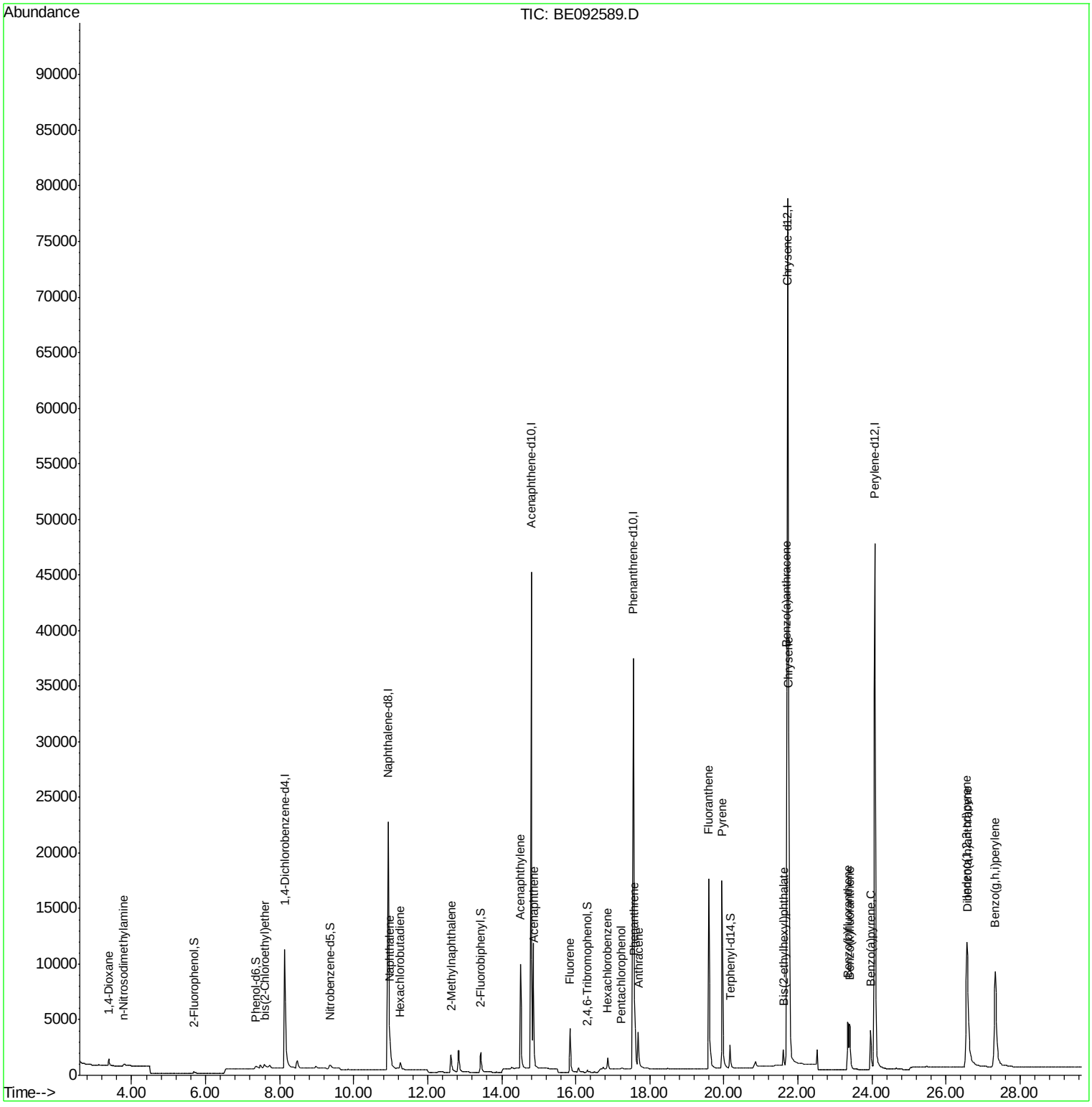
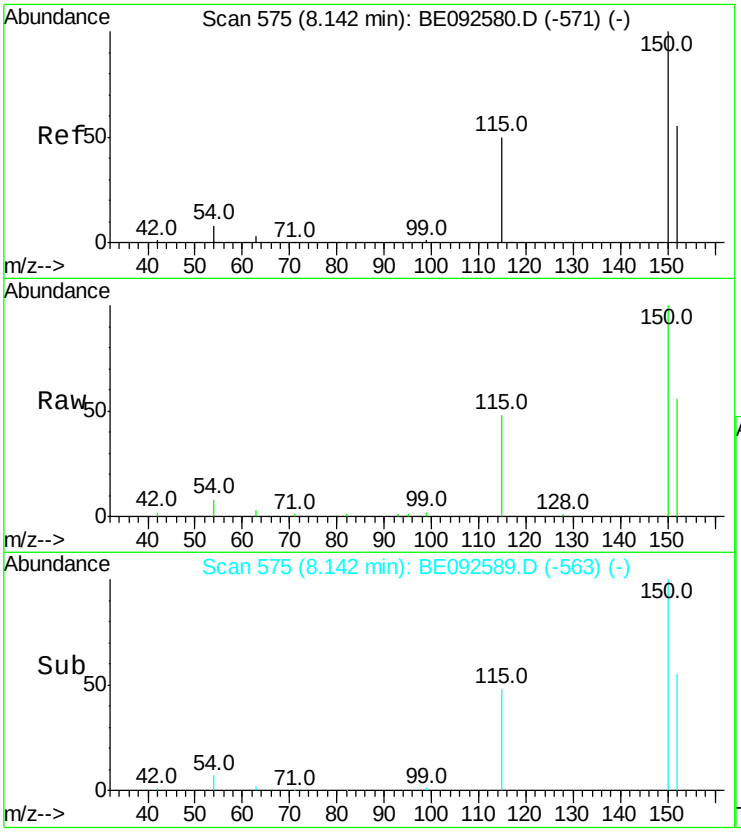
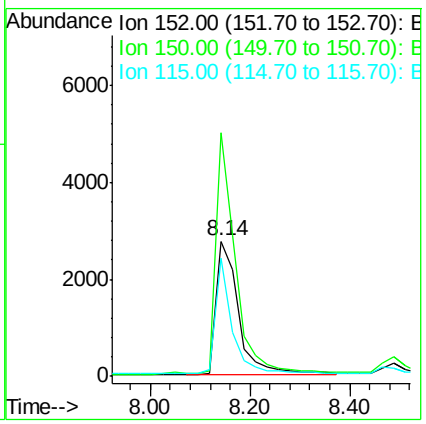




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:152 Resp: 8444

Ion	Ratio	Lower	Upper
152	100		
150	179.8	106.0	159.0#
115	86.9	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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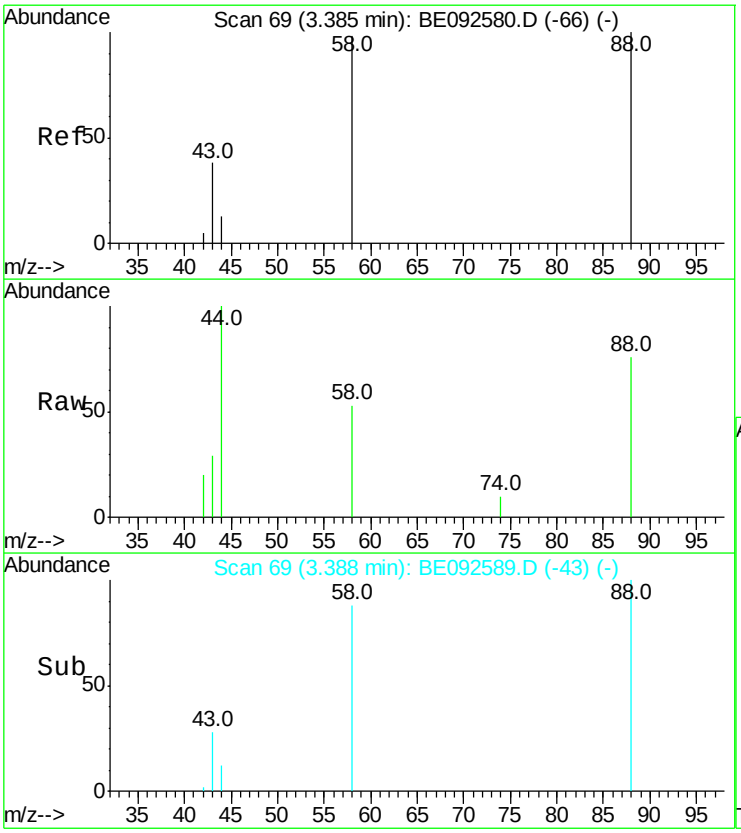
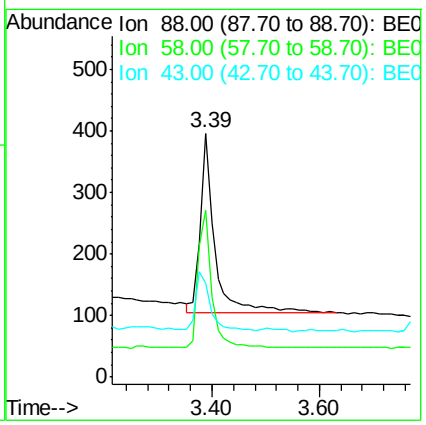
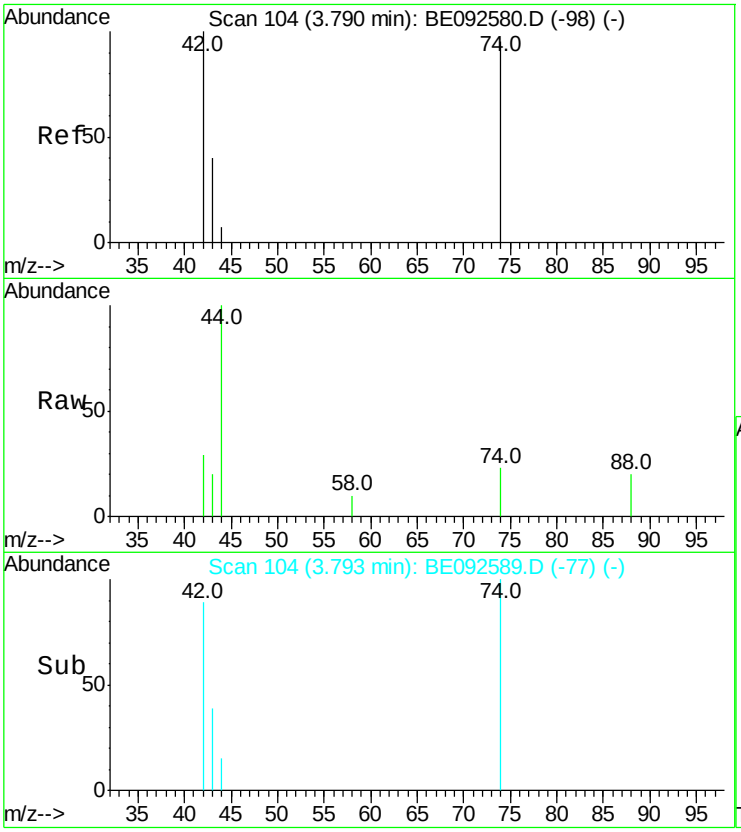


#2
1,4-Dioxane
Concen: 0.43 ng
RT: 3.39 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion: 88 Resp: 538

Ion	Ratio	Lower	Upper
88	100		
58	71.4	63.6	95.4
43	31.4	28.0	42.0

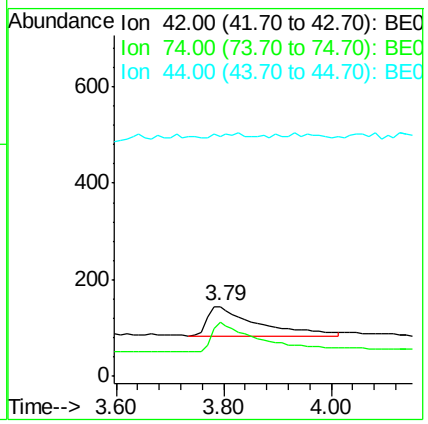




#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.79 min Scan# 104
Delta R.T. 0.01 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion: 42 Resp: 386

Ion	Ratio	Lower	Upper
42	100		
74	96.6	86.0	129.0
44	0.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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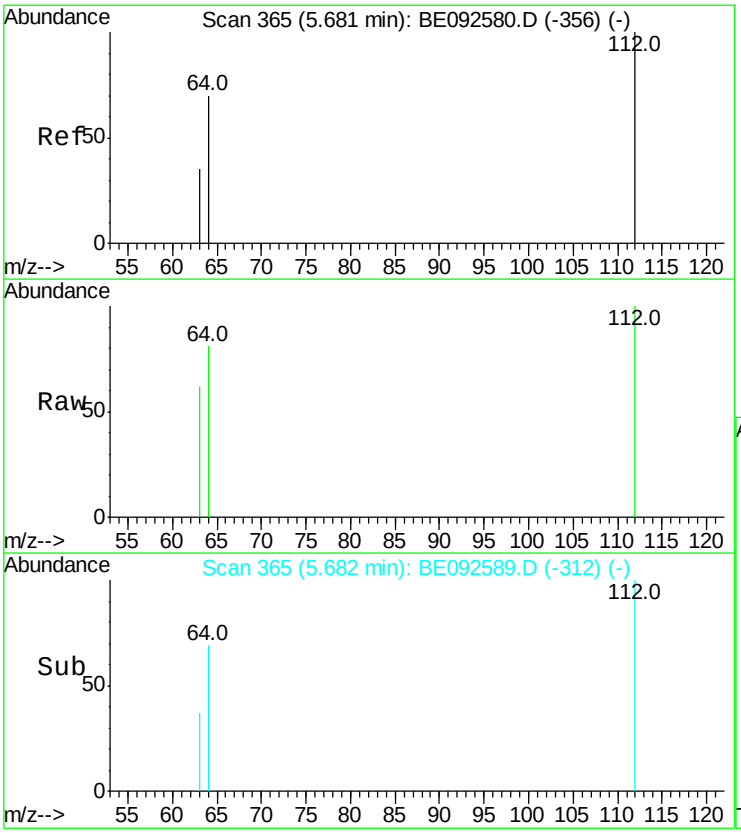
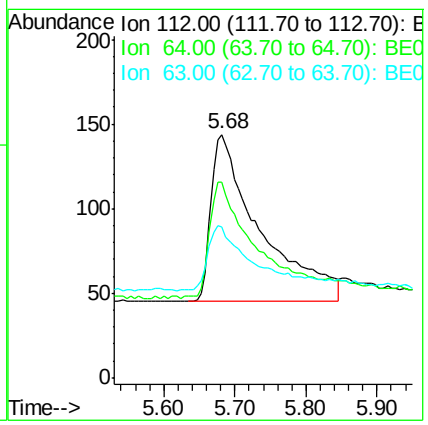
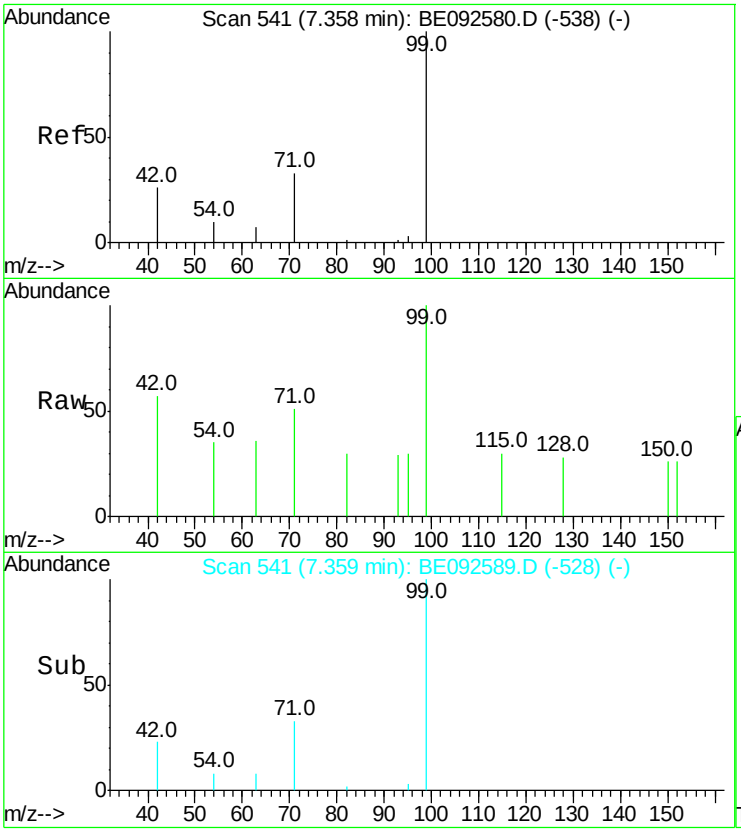


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.68 min Scan# 365
Delta R.T. 0.01 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:112 Resp: 472

Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.5	80.3
63	39.0	27.9	41.9

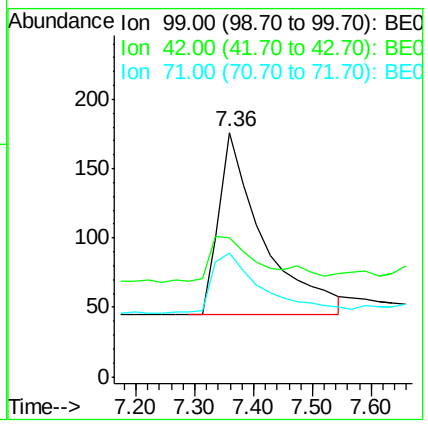




#5
Phenol-d6
Concen: 0.39 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion: 99 Resp: 677

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	37.5	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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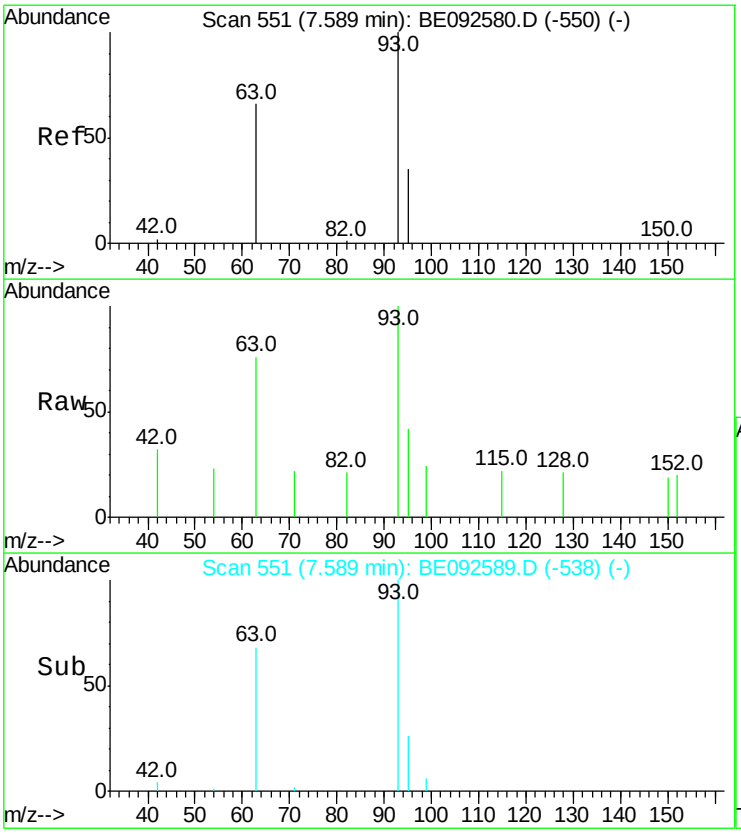
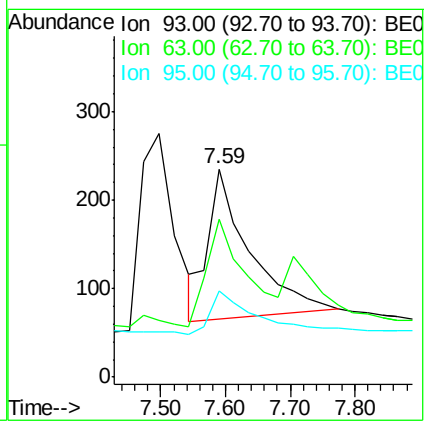
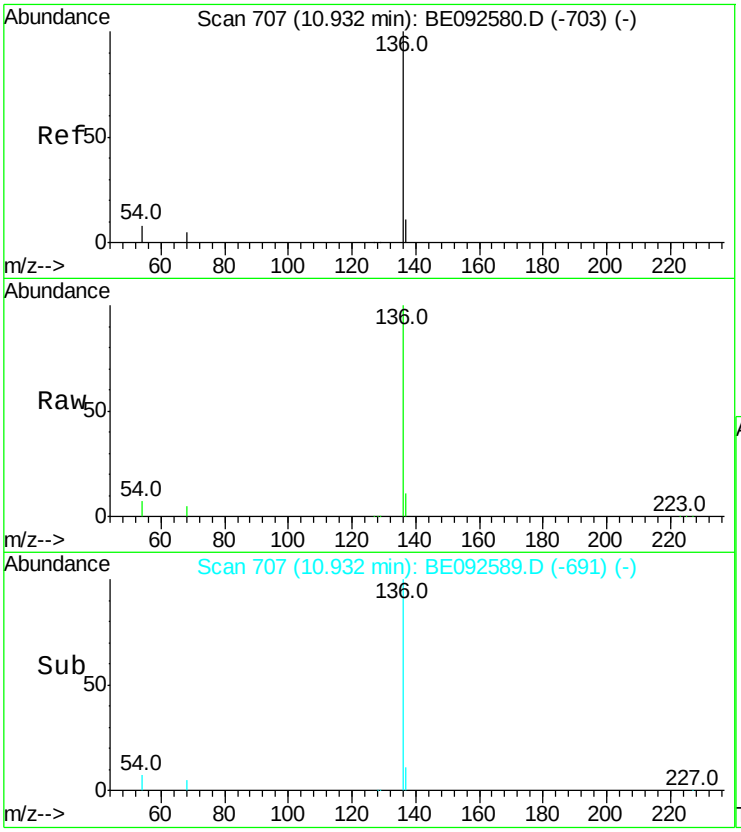


#6
bis(2-Chloroethyl)ether
Concen: 0.33 ng
RT: 7.59 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion: 93 Resp: 753

Ion	Ratio	Lower	Upper
93	100		
63	66.4	71.6	107.4#
95	27.9	24.0	36.0

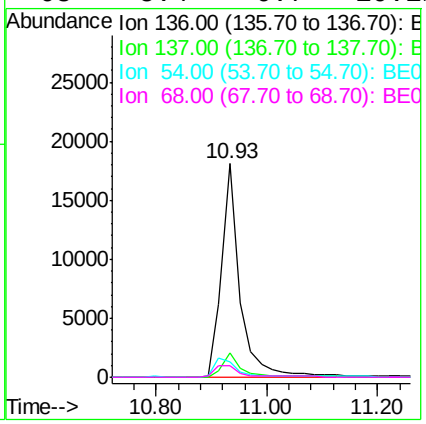




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.93 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:136 Resp: 41249

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	7.5	9.6	14.4#
68	5.4	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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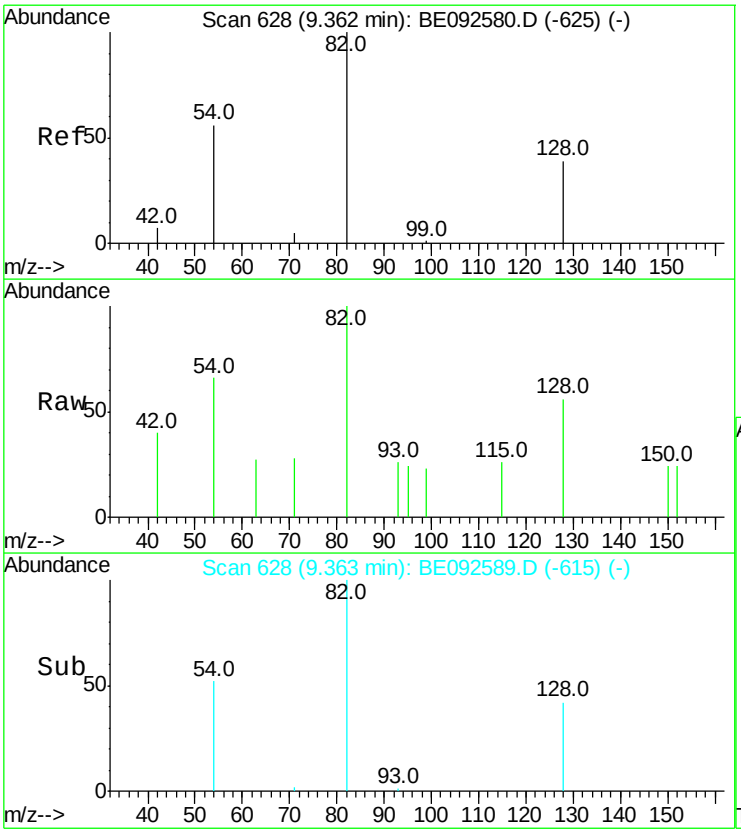
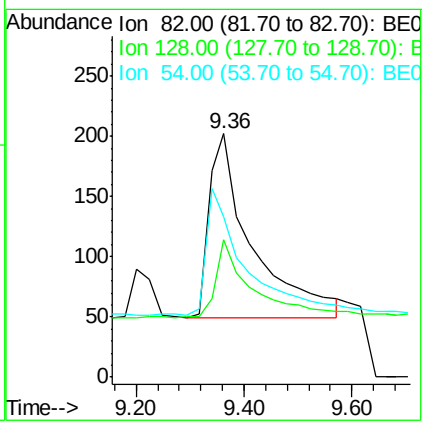
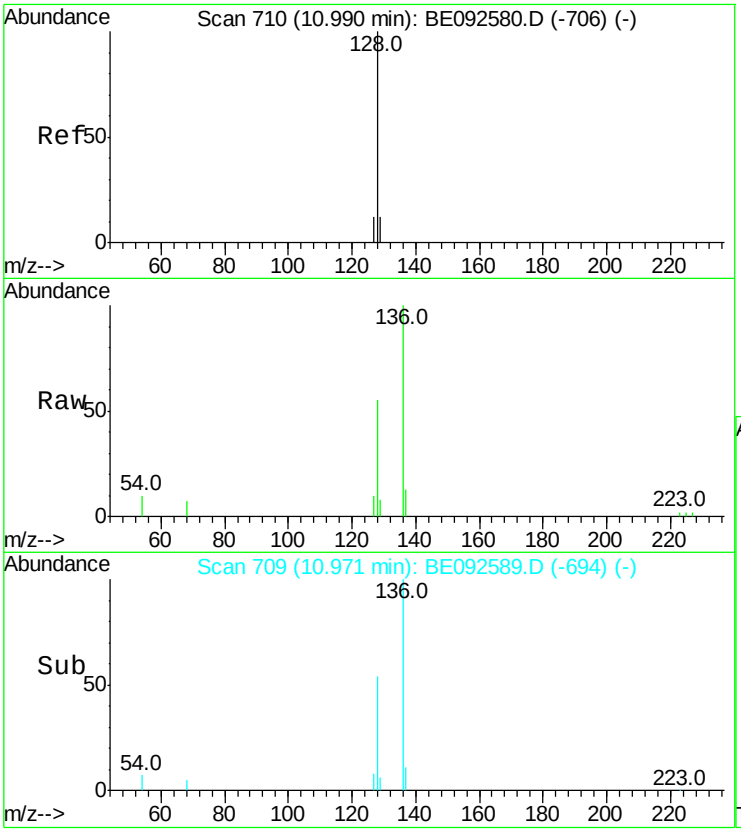


#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion: 82 Resp: 850

Ion	Ratio	Lower	Upper
82	100		
128	56.4	39.0	58.4
54	65.8	44.8	67.2

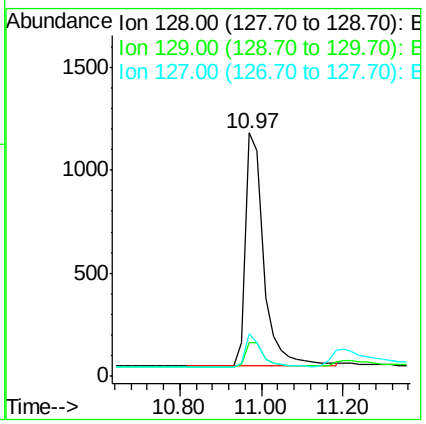




#9
Naphthalene
Concen: 0.41 ng
RT: 10.97 min Scan# 709
Delta R.T. -0.02 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:128 Resp: 3479

Ion	Ratio	Lower	Upper
128	100		
129	13.9	11.2	16.8
127	17.4	11.6	17.4#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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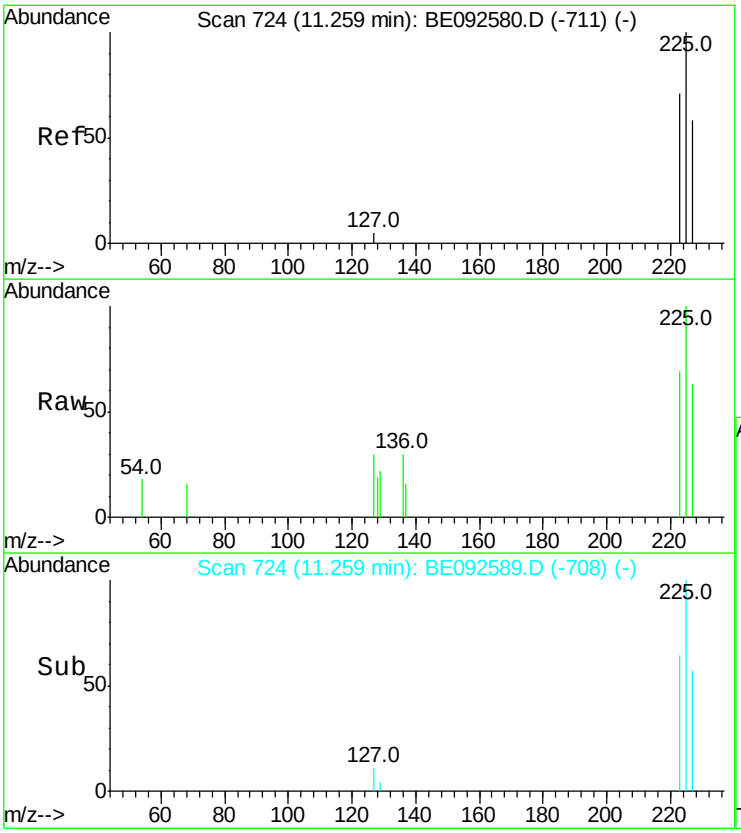
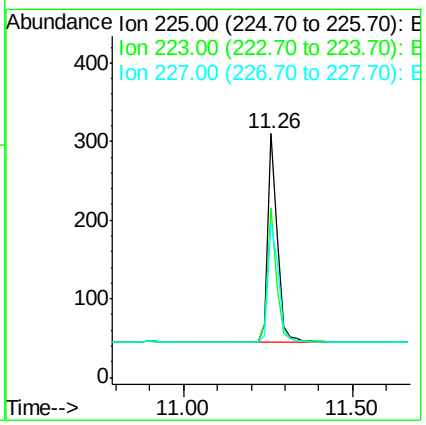
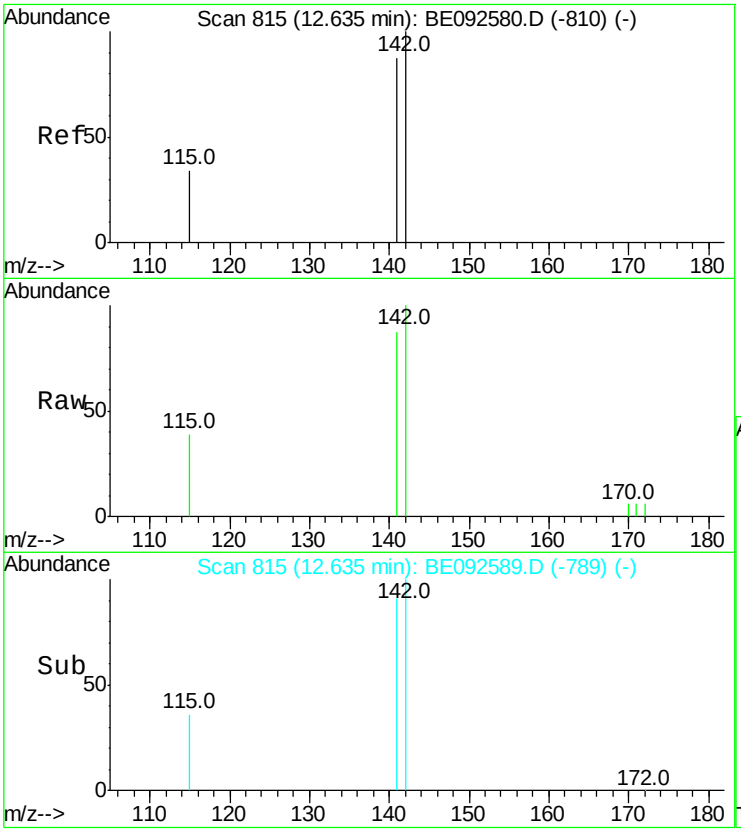


#10
Hexachlorobutadiene
Concen: 0.42 ng
RT: 11.26 min Scan# 724
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:225 Resp: 538

Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.6	76.0
227	63.0	51.4	77.0

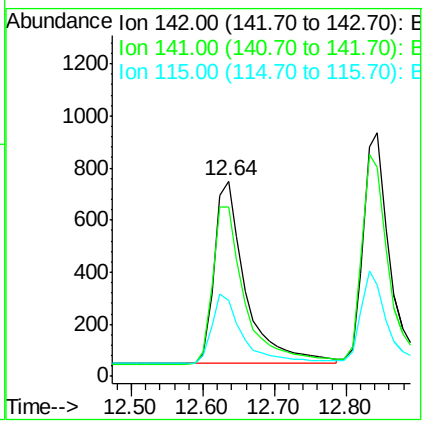




#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:142 Resp: 2130

Ion	Ratio	Lower	Upper
142	100		
141	86.9	73.7	110.5
115	38.7	34.0	51.0



Instrument :
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ClientSampleId :
SSTDCCC0.4

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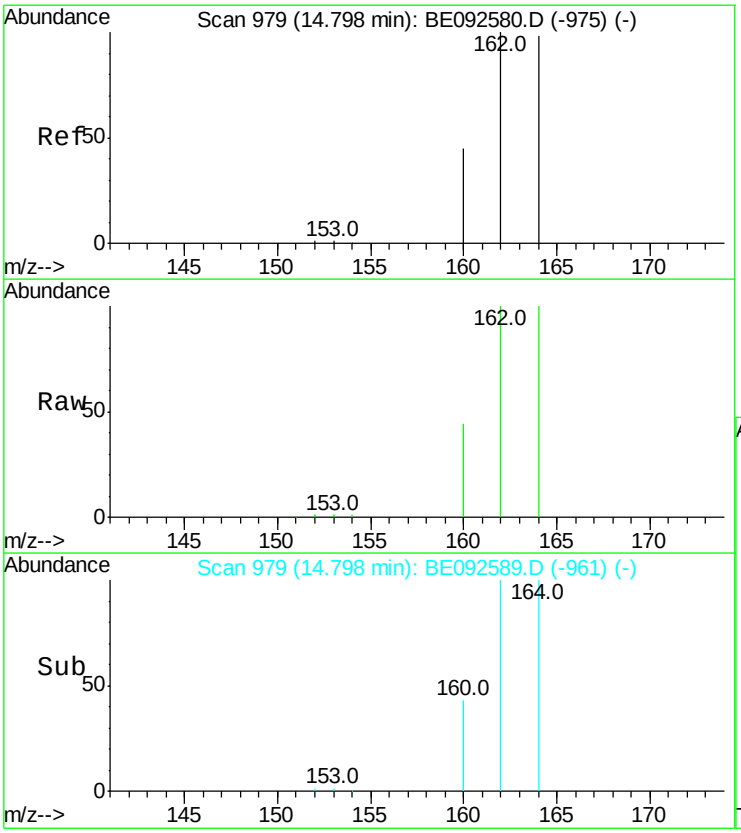
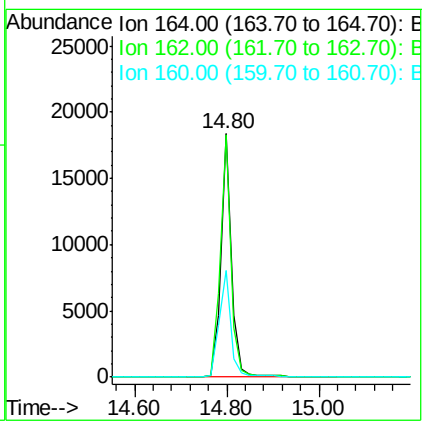
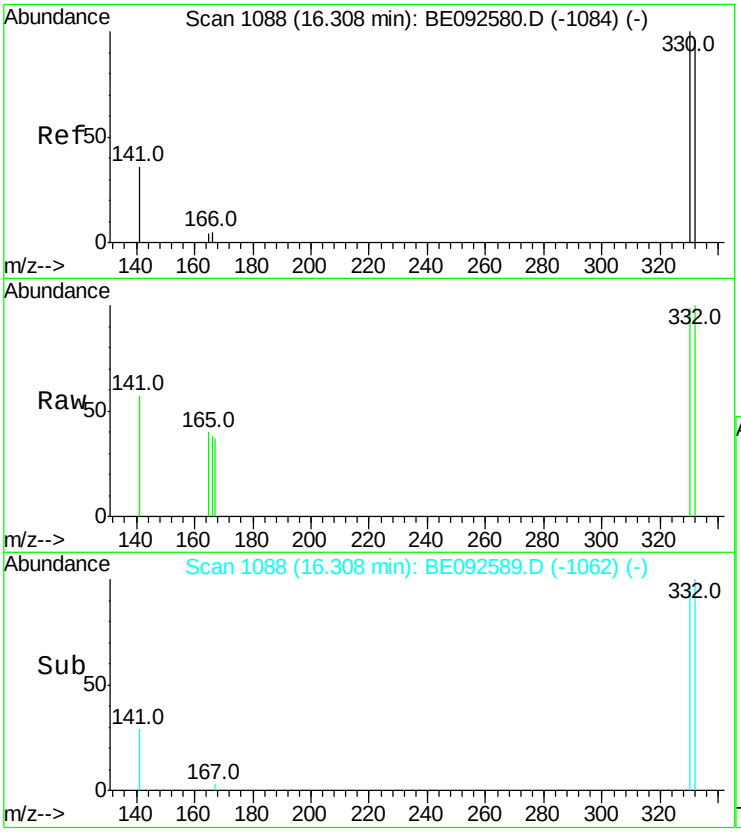


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:164 Resp: 29599

Ion	Ratio	Lower	Upper
164	100		
162	99.6	71.4	107.0
160	43.6	27.4	41.2#

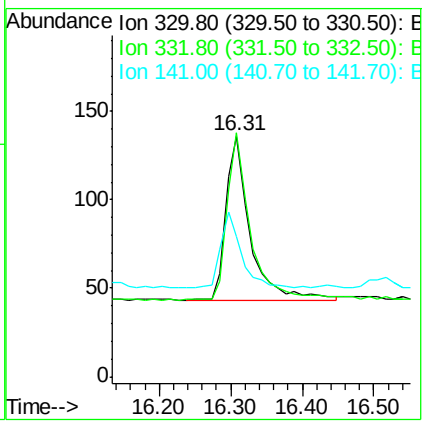




#13
2,4,6-Tribromophenol
Concen: 0.33 ng
RT: 16.31 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:330 Resp: 219

Ion	Ratio	Lower	Upper
330	100		
332	101.4	75.4	113.0
141	39.7	31.0	46.6



Instrument :
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ClientSampleId :
SSTDCCC0.4

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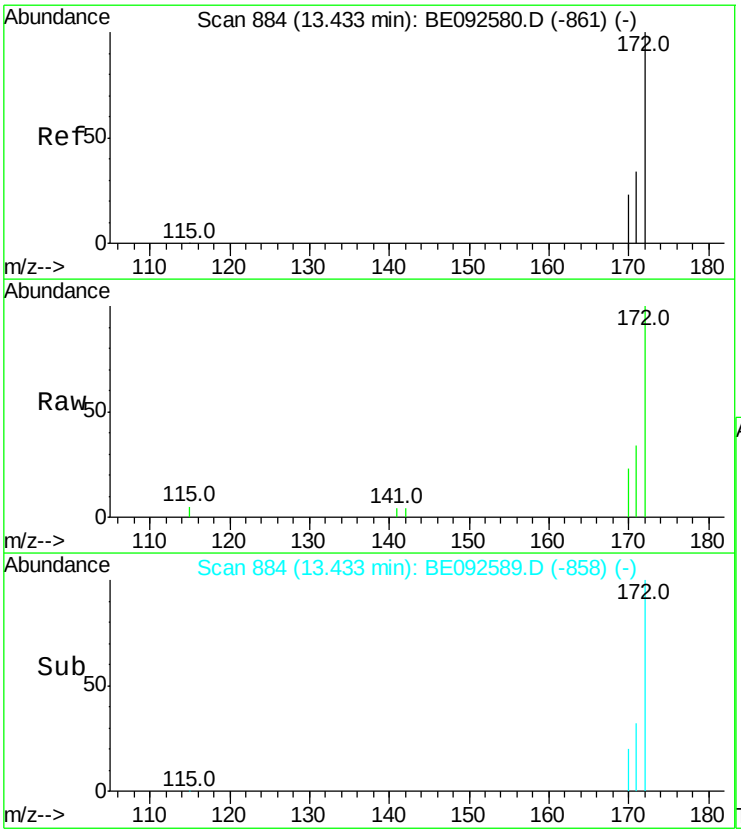
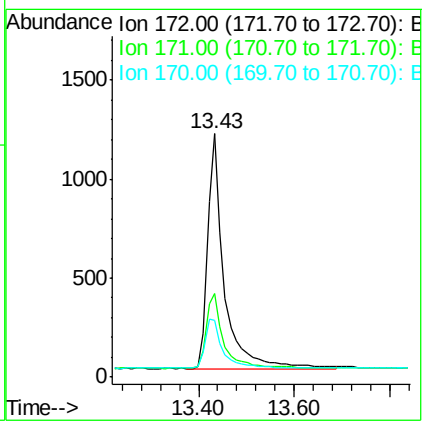
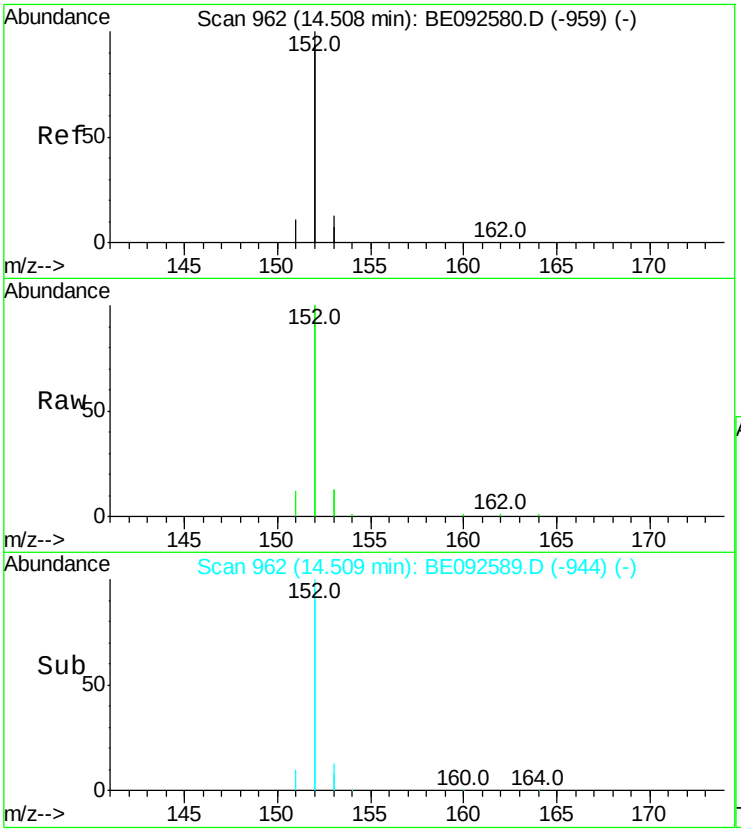


#14
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:172 Resp: 2858

Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.1	45.1
170	23.2	21.8	32.6

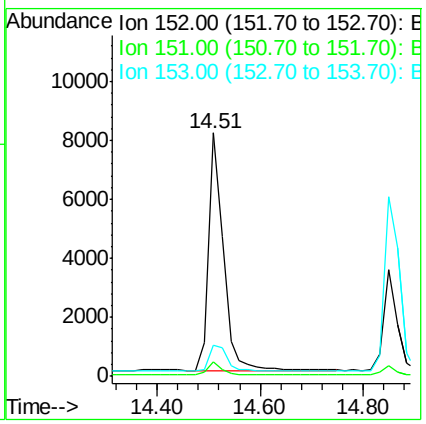




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.51 min Scan# 962
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:152 Resp: 15737

Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.1	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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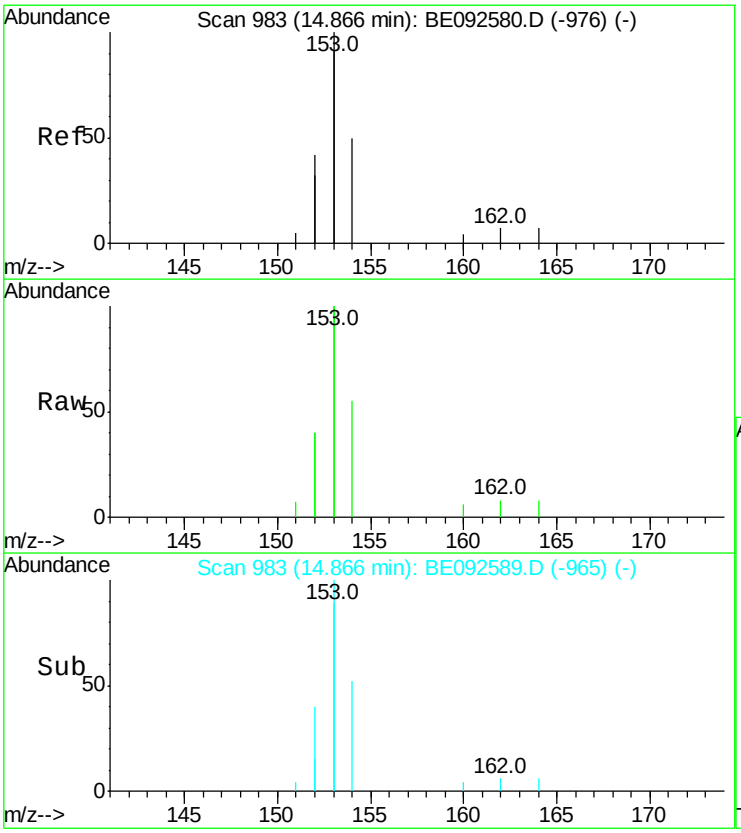
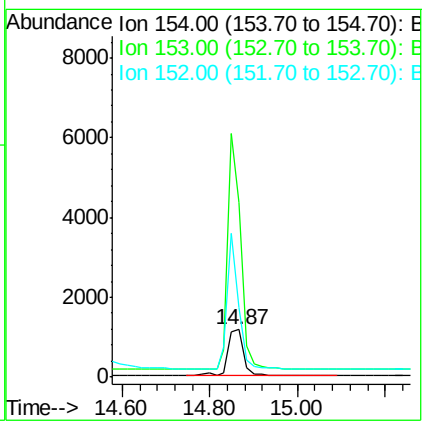
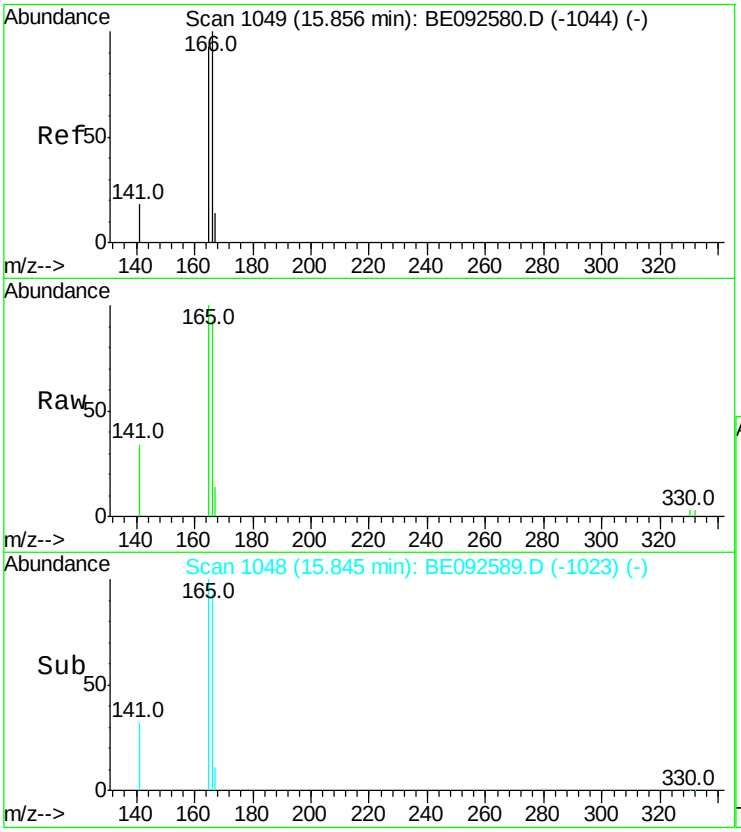


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:154 Resp: 2721

Ion	Ratio	Lower	Upper
154	100		
153	434.2	350.8	526.2
152	225.8	171.1	256.7





#17
Fluorene
Concen: 0.40 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:166 Resp: 3306

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.5	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
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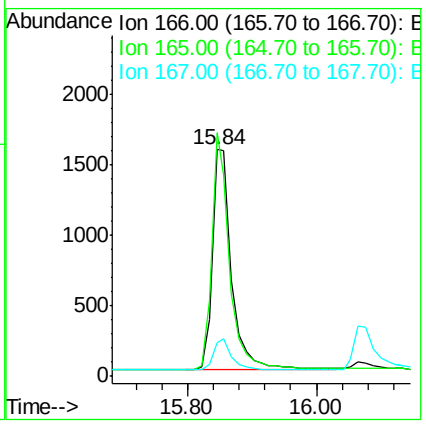
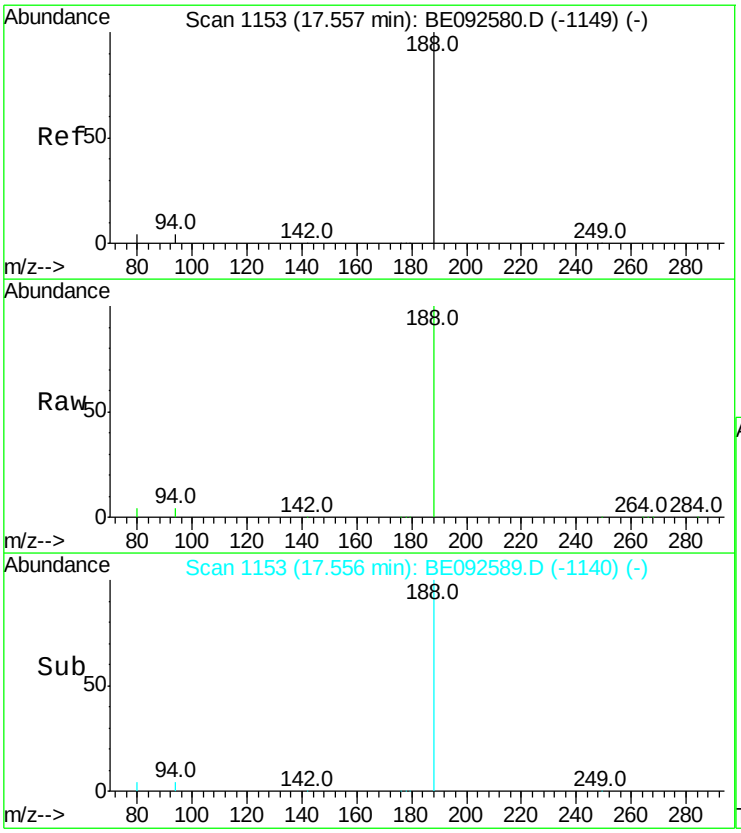
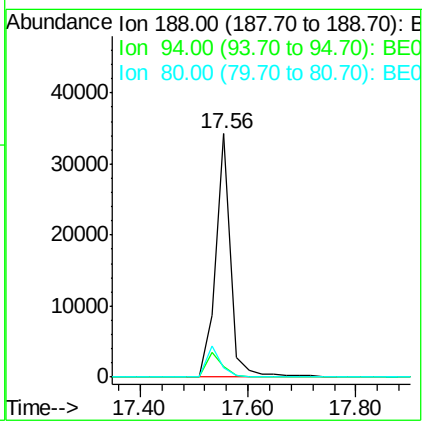


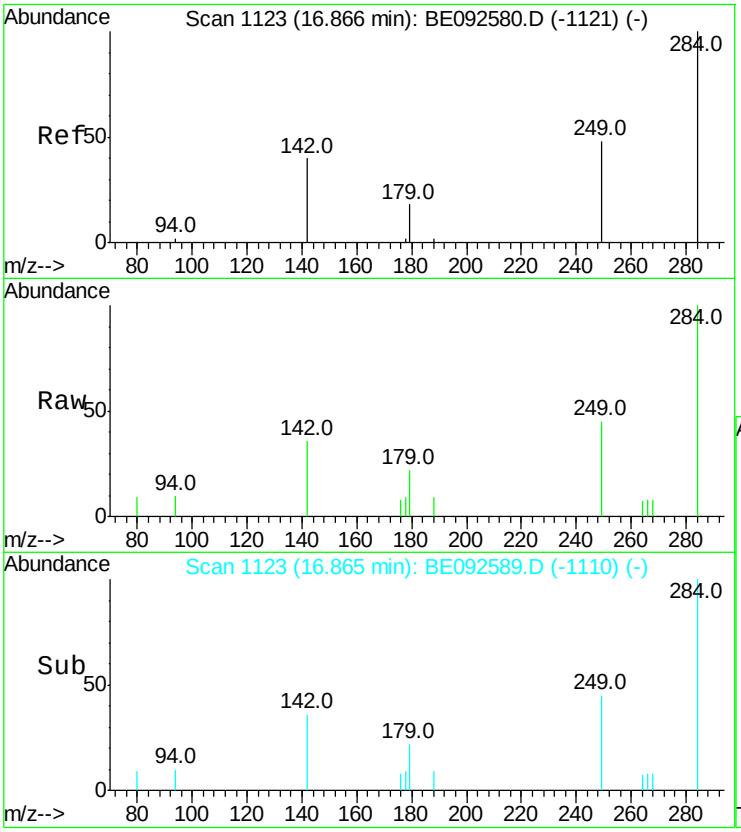


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:188 Resp: 66267

Ion	Ratio	Lower	Upper
188	100		
94	4.1	3.2	4.8
80	3.7	2.6	3.8

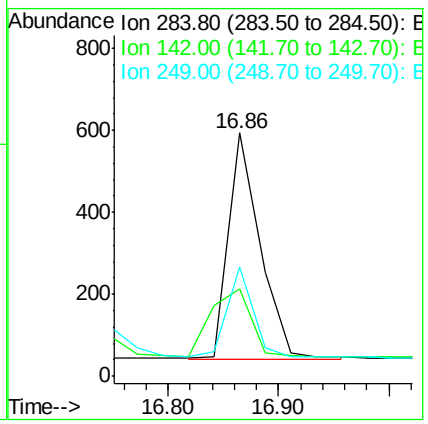




#19
Hexachlorobenzene
Concen: 0.42 ng m
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:284 Resp: 1097

Ion	Ratio	Lower	Upper
284	100		
142	46.1	29.1	43.7#
249	49.9	27.9	41.9#



Instrument :
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ClientSampleId :
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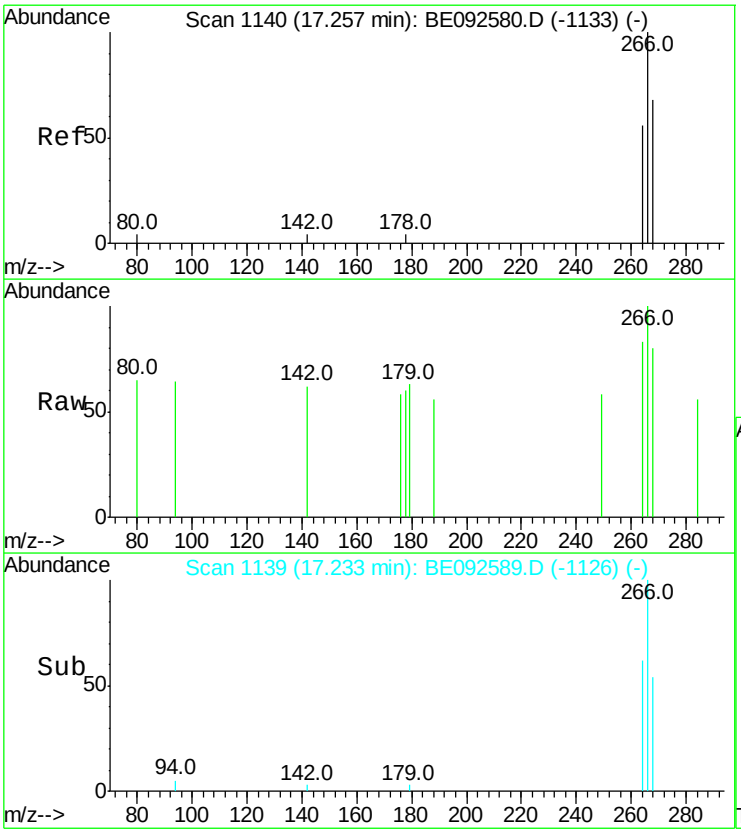
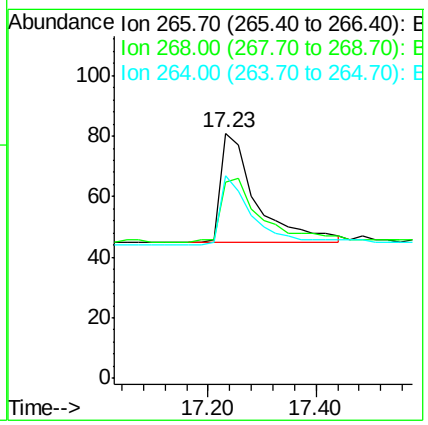
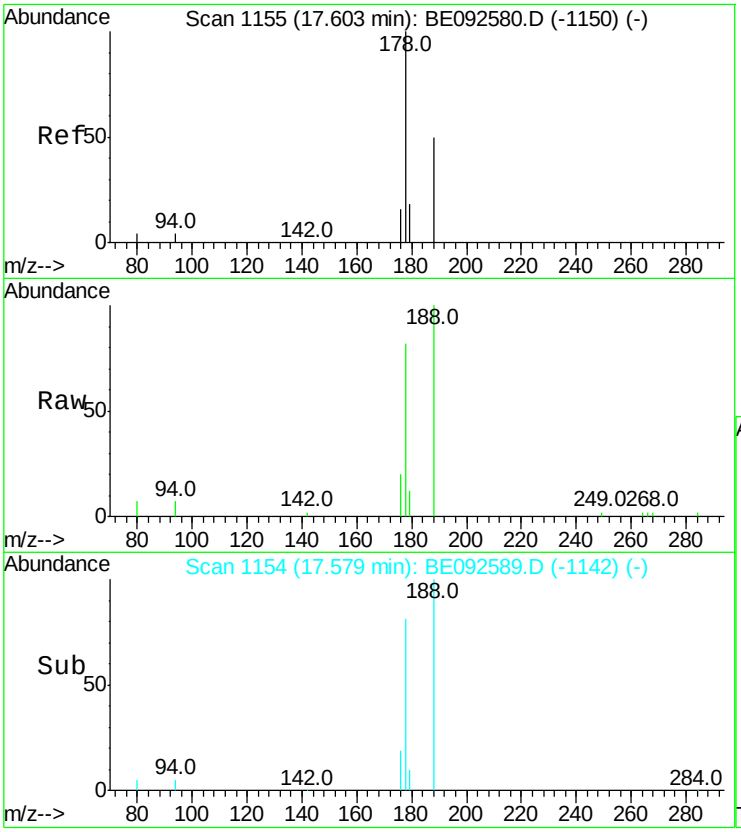


#20
Pentachlorophenol
Concen: 0.41 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:266 Resp: 162

Ion	Ratio	Lower	Upper
266	100		
268	80.2	62.5	93.7
264	82.7	57.2	85.8

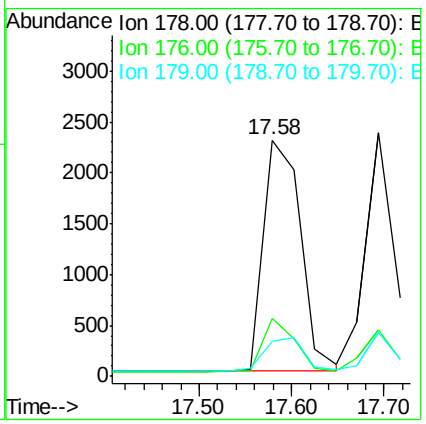




#21
Phenanthrene
Concen: 0.43 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:178 Resp: 6325

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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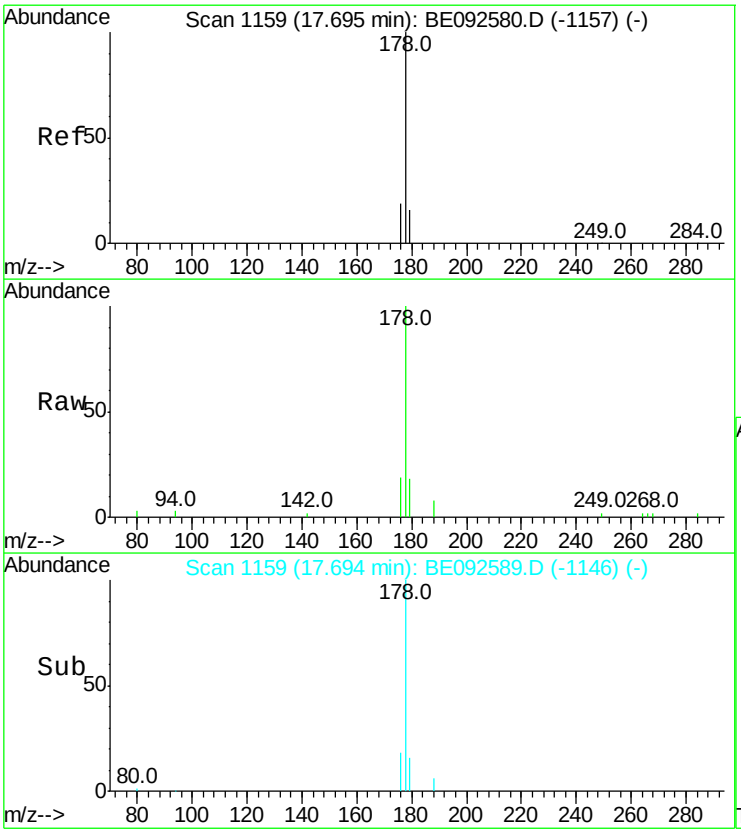
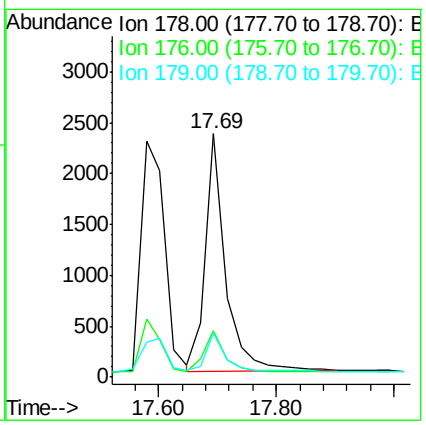
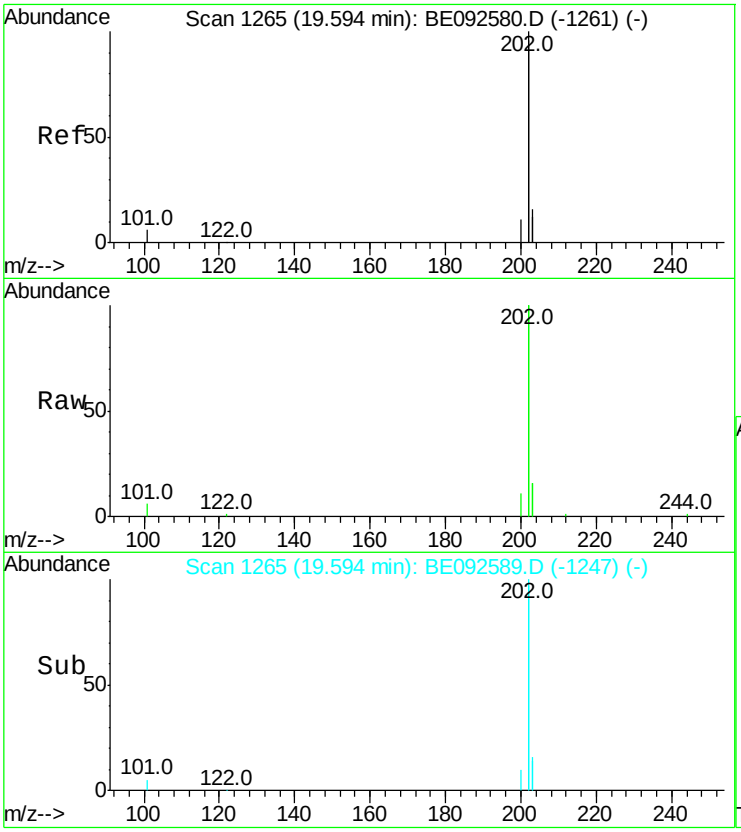


#22
Anthracene
Concen: 0.39 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:178 Resp: 5509

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.0	12.2	18.2

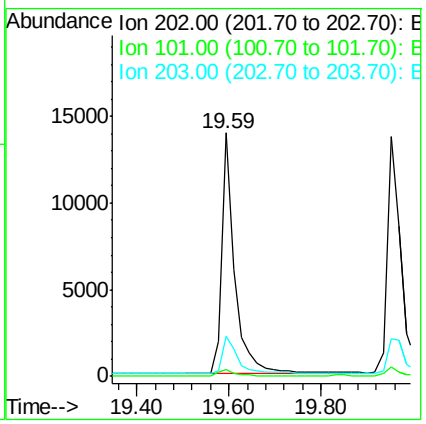




#23
Fluoranthene
Concen: 0.40 ng
RT: 19.59 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:202 Resp: 27345

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.4	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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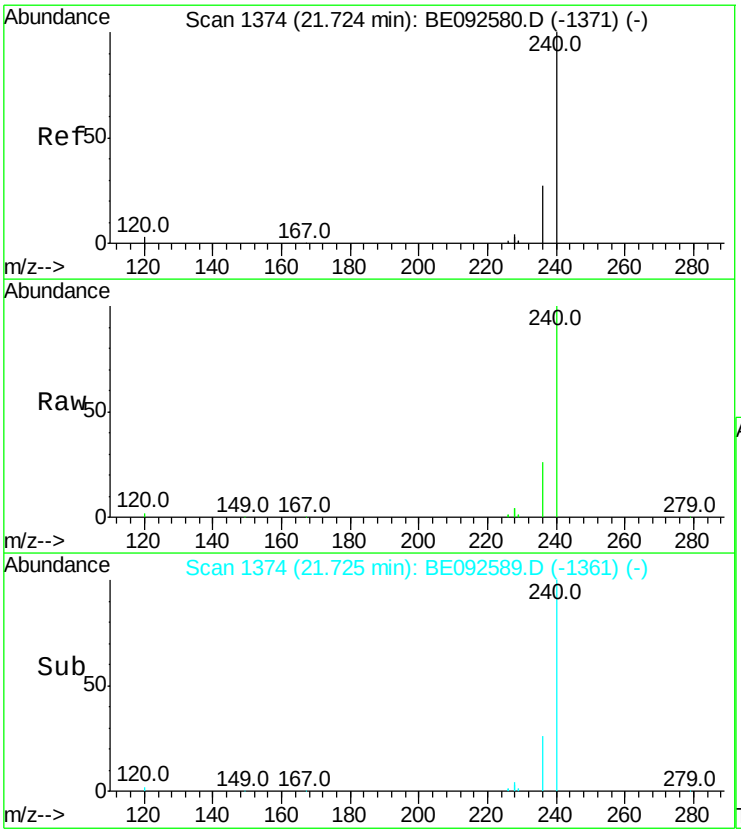
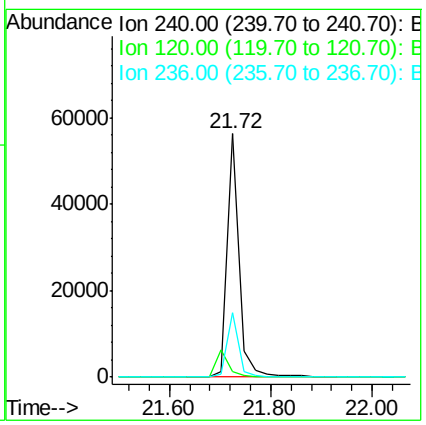
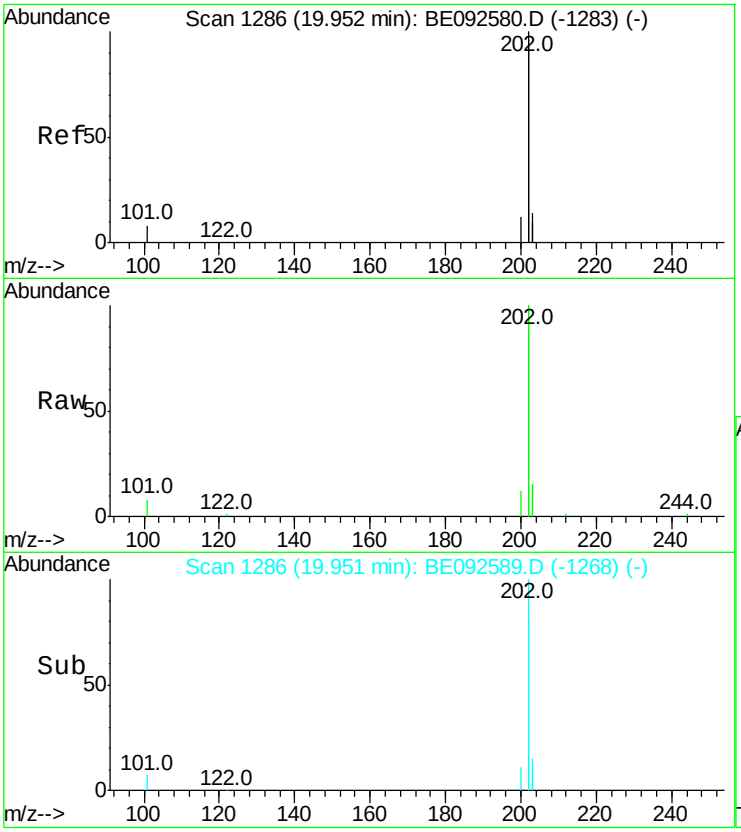


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:240 Resp: 90684

Ion	Ratio	Lower	Upper
240	100		
120	2.2	2.6	4.0#
236	26.4	24.6	37.0

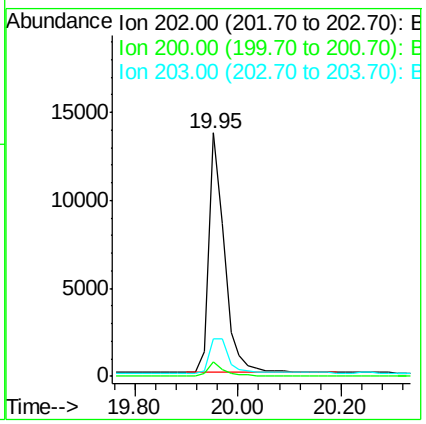




#25
Pyrene
Concen: 0.39 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:202 Resp: 28307

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.5	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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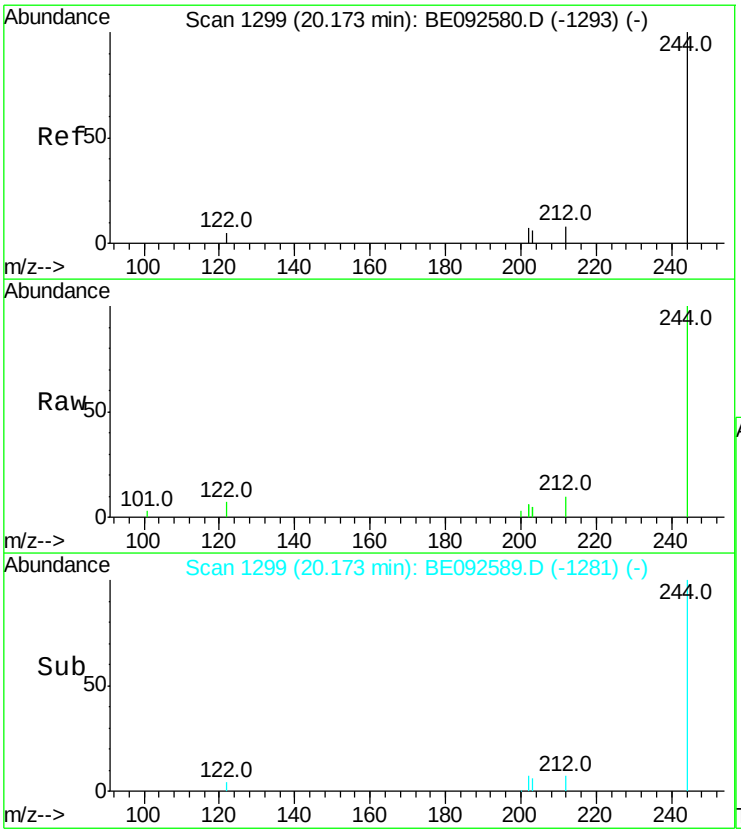
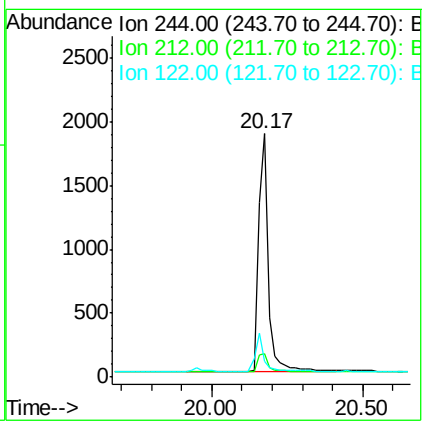
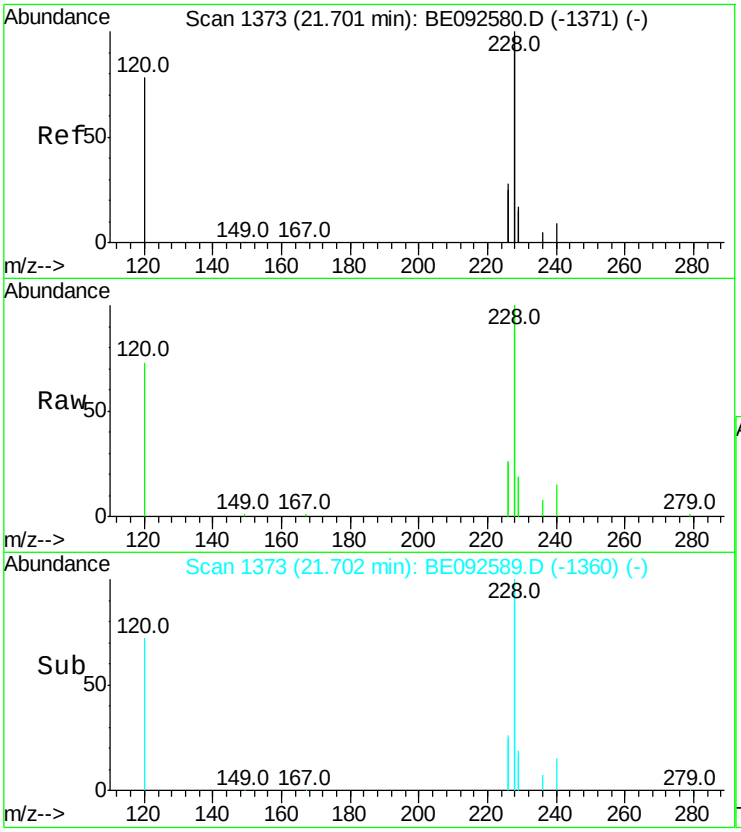


#26
Terphenyl-d14
Concen: 0.40 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:244 Resp: 4106

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.7	10.1
122	6.7	3.6	5.4#

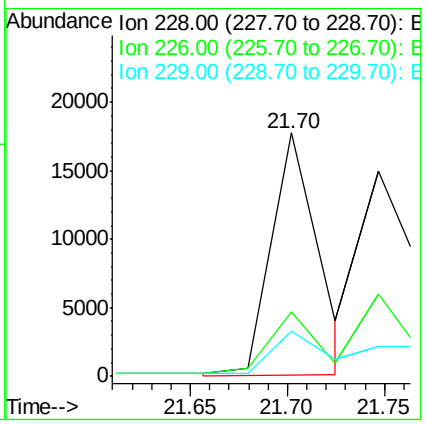




#27
Benzo(a)anthracene
Concen: 0.44 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:228 Resp: 30084

Ion	Ratio	Lower	Upper
228	100		
226	26.4	23.6	35.4
229	18.7	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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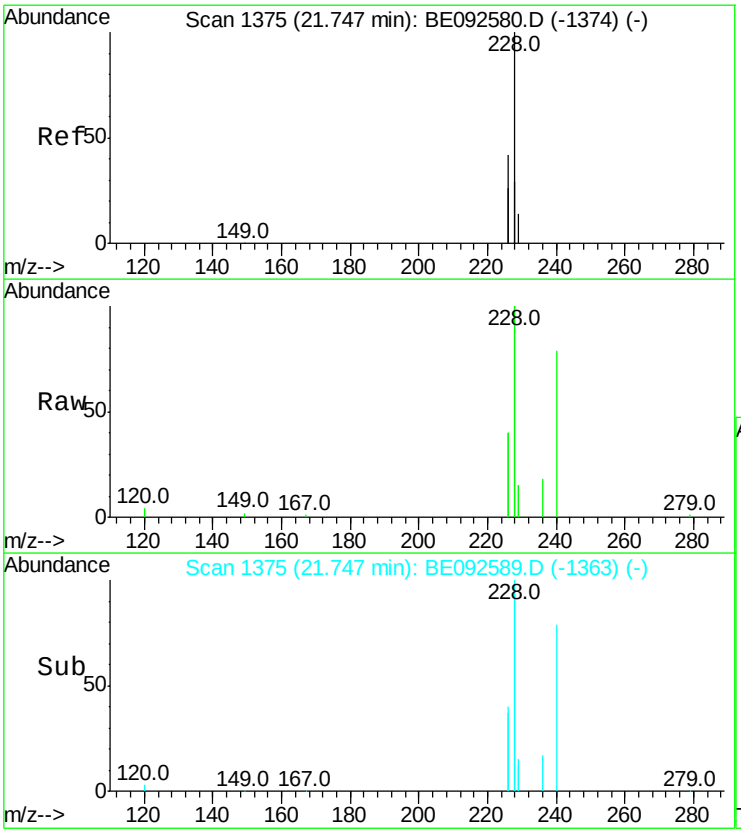
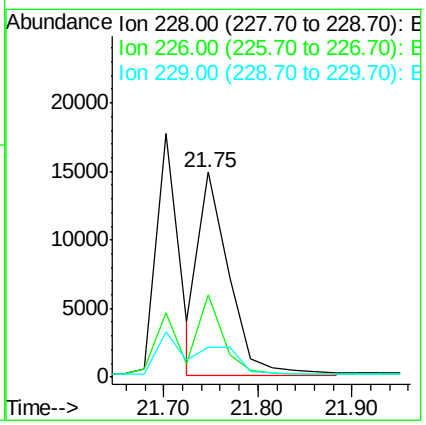
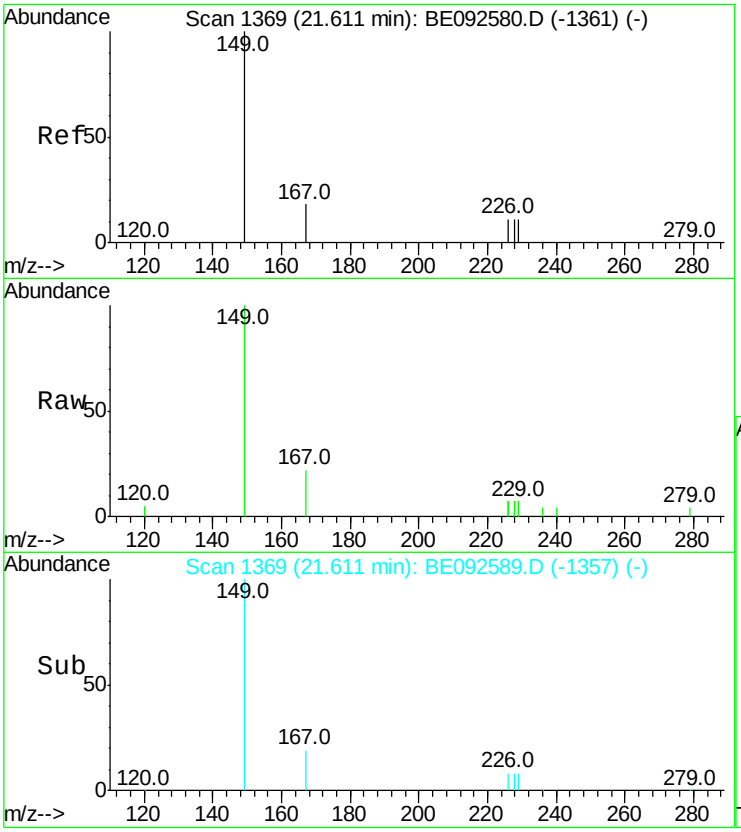


#28
Chrysene
Concen: 0.43 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:228 Resp: 33310

Ion	Ratio	Lower	Upper
228	100		
226	39.9	36.3	54.5
229	14.5	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.45 ng
RT: 21.61 min Scan# 1369
Delta R.T. -0.02 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:149 Resp: 2001

Ion	Ratio	Lower	Upper
149	100		
167	22.0	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
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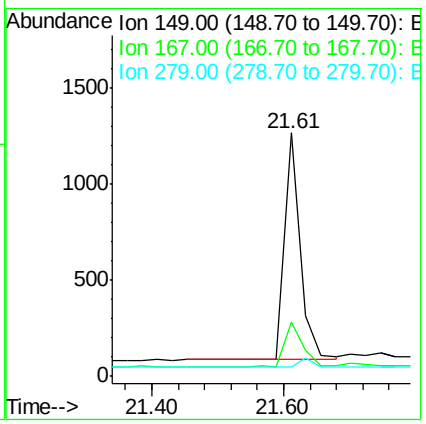
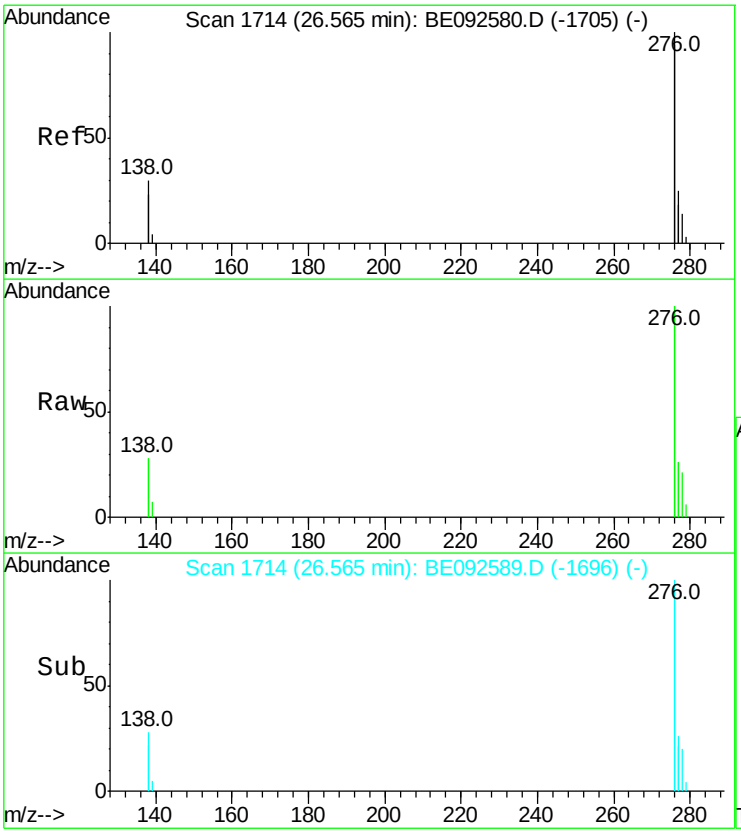
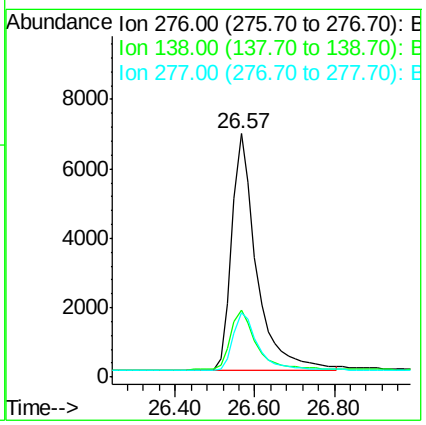


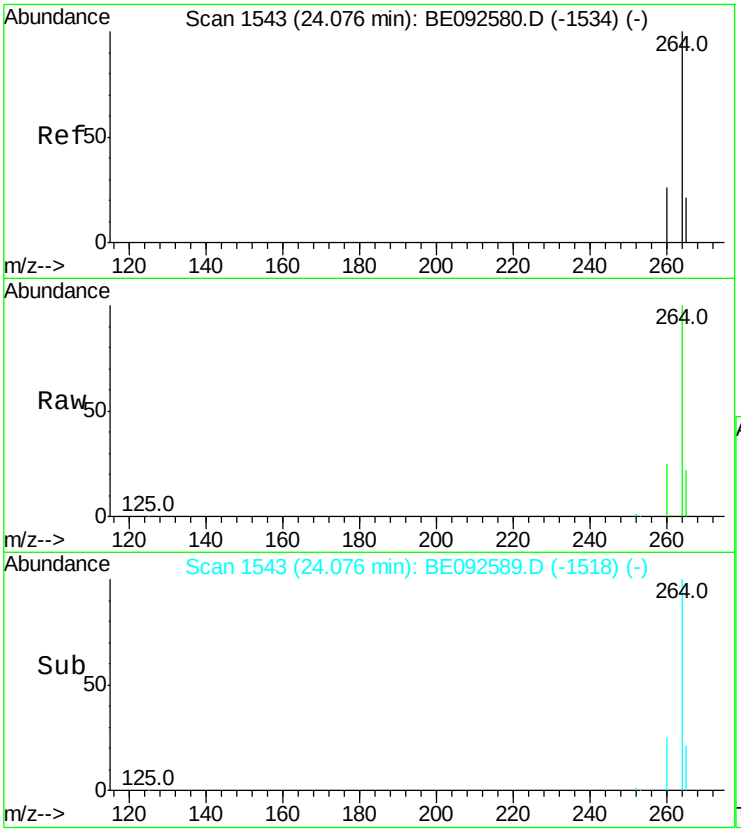


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.40 ng
RT: 26.57 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:276 Resp: 29846

Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.3	30.5
277	25.0	19.7	29.5

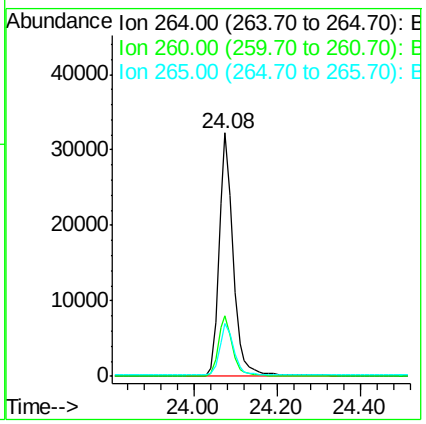




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:264 Resp: 76295

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.1	30.1
265	21.7	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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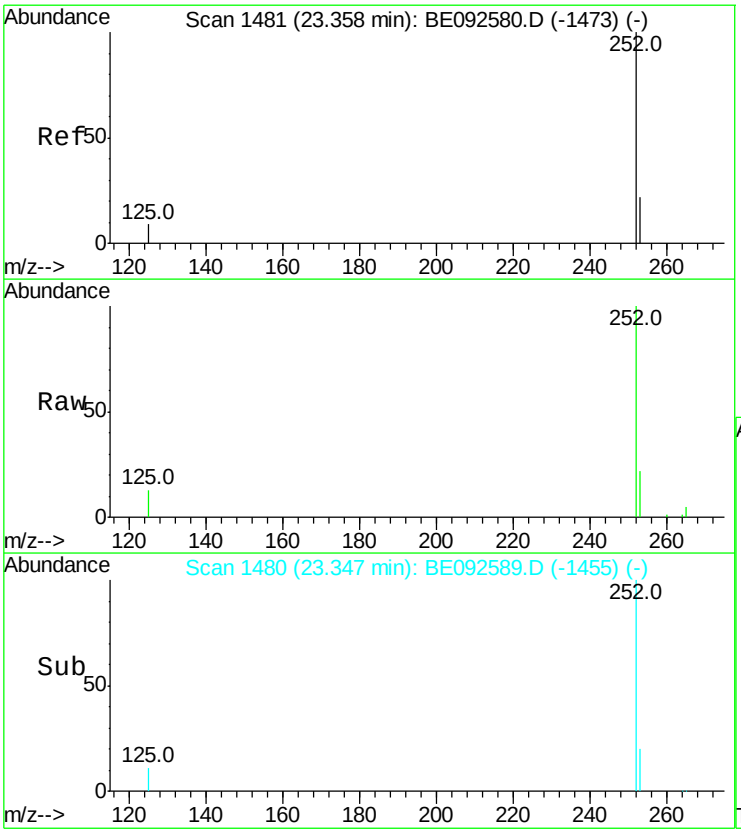
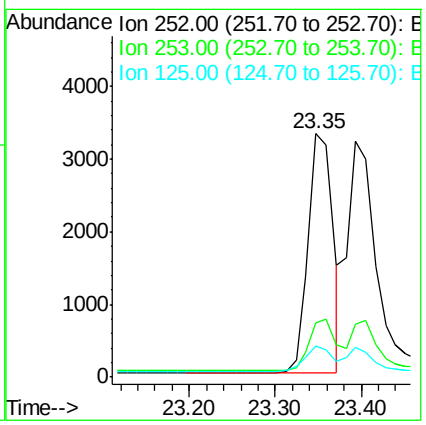
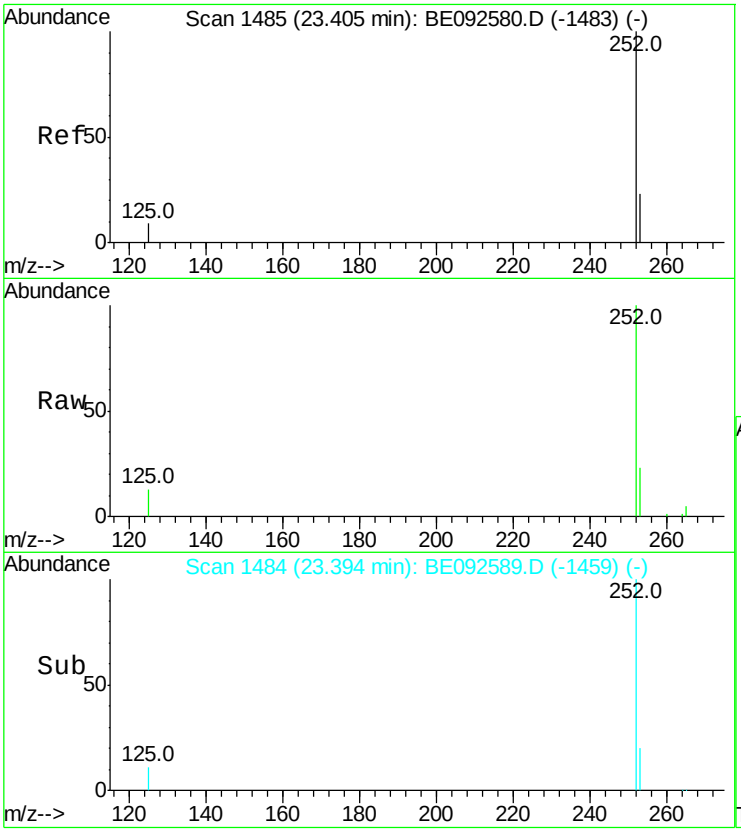


#32
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:252 Resp: 6533

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.7	28.1
125	12.8	10.5	15.7

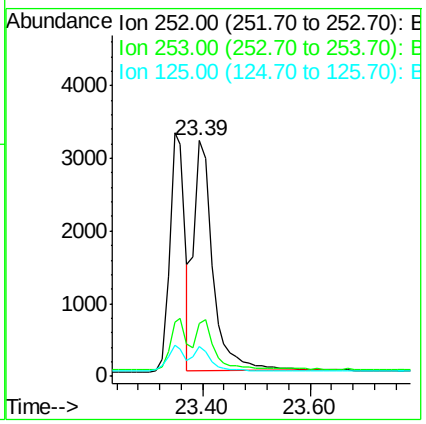




#33
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:252 Resp: 7729

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.3	30.5
125	12.6	9.6	14.4



Instrument :
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ClientSampleId :
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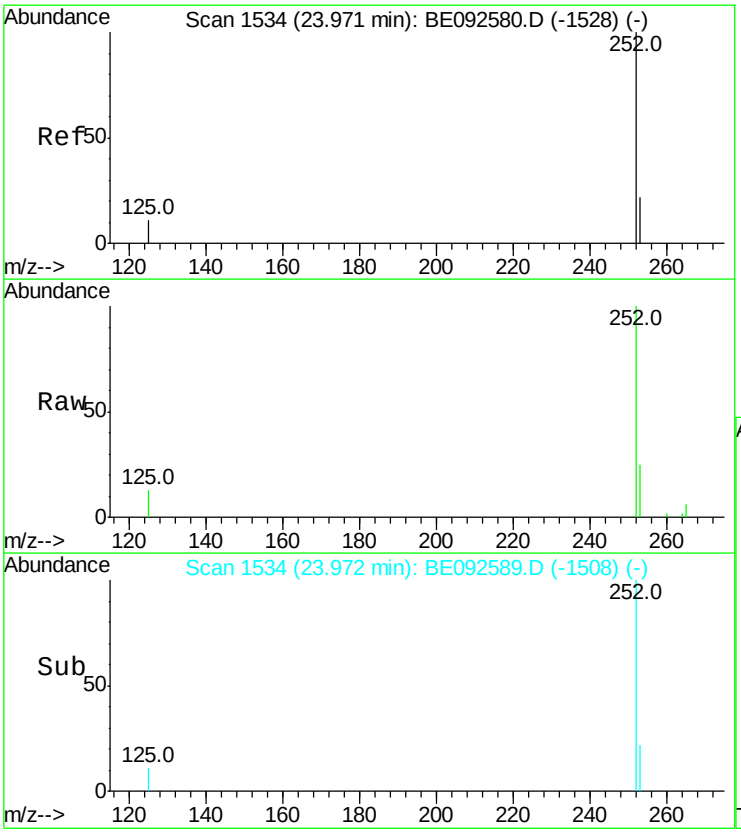
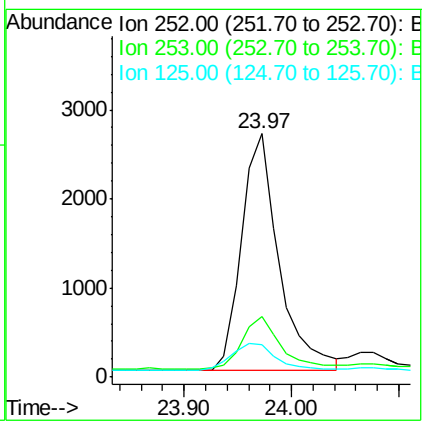
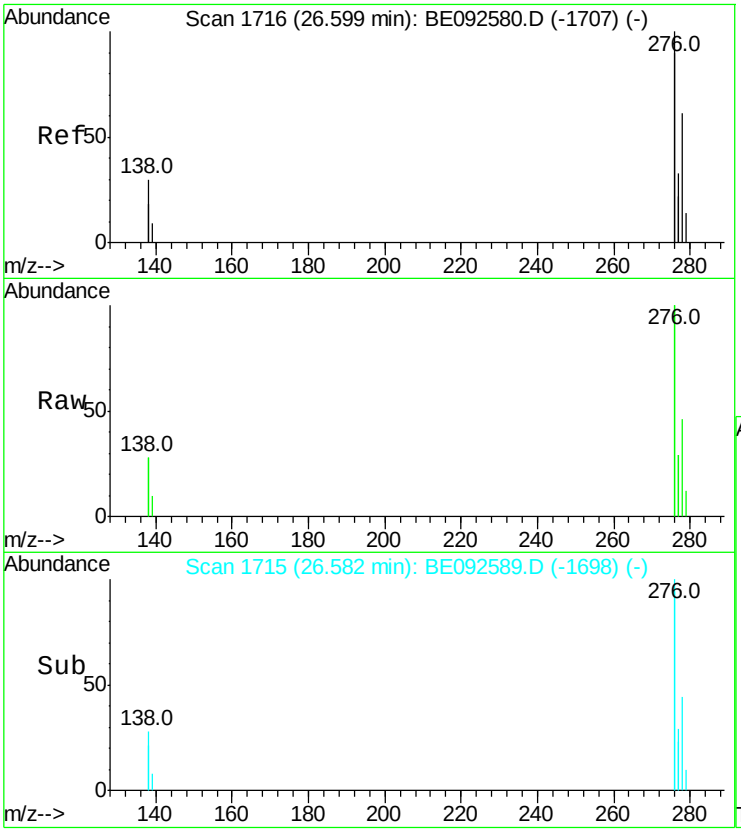


#34
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.97 min Scan# 1534
Delta R.T. -0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:252 Resp: 6456

Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.0	28.6
125	13.2	11.8	17.8

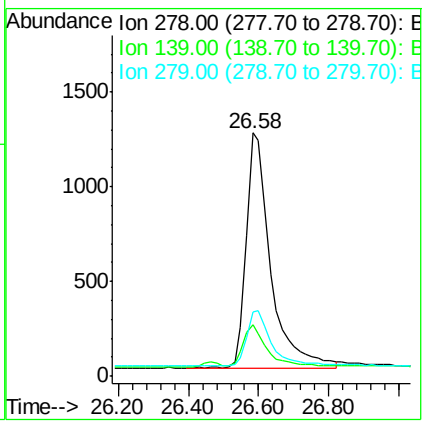




#35
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:278 Resp: 5994

Ion	Ratio	Lower	Upper
278	100		
139	21.0	13.8	20.8#
279	26.3	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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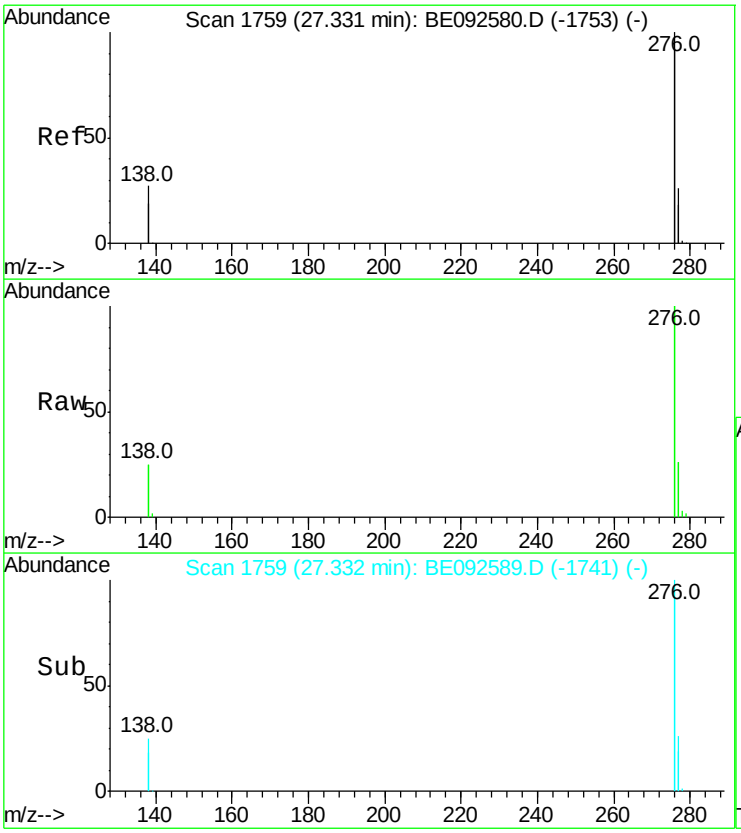

#36
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 27.33 min Scan# 1759
Delta R.T. 0.00 min
Lab File: BE092589.D
Acq: 9 Dec 2016 10:14

Tgt Ion:276 Resp: 26122

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.8	29.8
138	25.3	19.8	29.6