Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031017\
Data File : BE092814.D
Acq On : 10 Mar 2017 19:13
Operator : SJ/MA
Sample : PB97503BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB97503BSD

Manual Integrations APPROVED
mohammad
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Quant Time: Mar 10 23:02:07 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 06 15:46:01 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	12566	5.00	ng		-0.02
7) Naphthalene-d8	10.87	136	53273	5.00	ng		-0.02
12) Acenaphthene-d10	14.75	164	26461	5.00	ng		-0.02
18) Phenanthrene-d10	17.51	188	48782	5.00	ng		0.00
24) Chrysene-d12	21.68	240	63029	5.00	ng		-0.02
31) Perylene-d12	24.01	264	55859	5.00	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.60	112	18143	6.82	ng		-0.03
5) Phenol-d6	7.27	99	23657	7.47	ng		-0.05
8) Nitrobenzene-d5	9.27	82	11363	3.49	ng		-0.05
13) 2,4,6-Tribromophenol	16.24	330	5158	7.41	ng		-0.05
14) 2-Fluorobiphenyl	13.36	172	25364	4.06	ng		-0.04
26) Terphenyl-d14	20.12	244	24472	3.22	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	4464	2.96	ng	#	55
3) n-Nitrosodimethylamine	3.69	42	7085	3.36	ng	#	95
6) bis(2-Chloroethyl)ether	7.52	93	11241	3.25	ng	#	27
9) Naphthalene	10.91	128	36871	3.24	ng	#	95
10) Hexachlorobutadiene	11.20	225	5637	3.43	ng		99
11) 2-Methylnaphthalene	12.55	142	23542	3.19	ng	#	87
15) Acenaphthylene	14.46	152	143708	3.53	ng		100
16) Acenaphthene	14.80	154	21788	3.83	ng		90
17) Fluorene	15.80	166	28192	3.64	ng		99
19) Hexachlorobenzene	16.82	284	8242	4.13	ng	#	64
20) Pentachlorophenol	17.19	266	4101	5.70	ng		89
21) Phenanthrene	17.53	178	45723	3.91	ng	#	93
22) Anthracene	17.63	178	44286	3.75	ng		99
23) Fluoranthene	19.54	202	184014	3.23	ng		99
25) Pyrene	19.90	202	192222	3.37	ng		100
27) Benzo(a)anthracene	21.66	228	205312m	3.16	ng		
28) Chrysene	21.70	228	181790m	3.15	ng		
29) Bis(2-ethylhexyl)phthalate	21.59	149	12917	2.43	ng	#	73
30) Indeno(1,2,3-cd)pyrene	26.45	276	245792	3.93	ng		97
32) Benzo(b)fluoranthene	23.29	252	49362	3.32	ng	#	96
33) Benzo(k)fluoranthene	23.34	252	47821	3.20	ng		95
34) Benzo(a)pyrene	23.90	252	47710	3.53	ng	#	96
35) Dibenzo(a,h)anthracene	26.48	278	50214	3.88	ng		96
36) Benzo(g,h,i)perylene	27.20	276	215826	3.90	ng		97

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031017\
Data File : BE092814.D
Acq On : 10 Mar 2017 19:13
Operator : SJ/MA
Sample : PB97503BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 10 23:02:07 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE030617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 06 15:46:01 2017
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB97503BSD

Manual Integrations APPROVED
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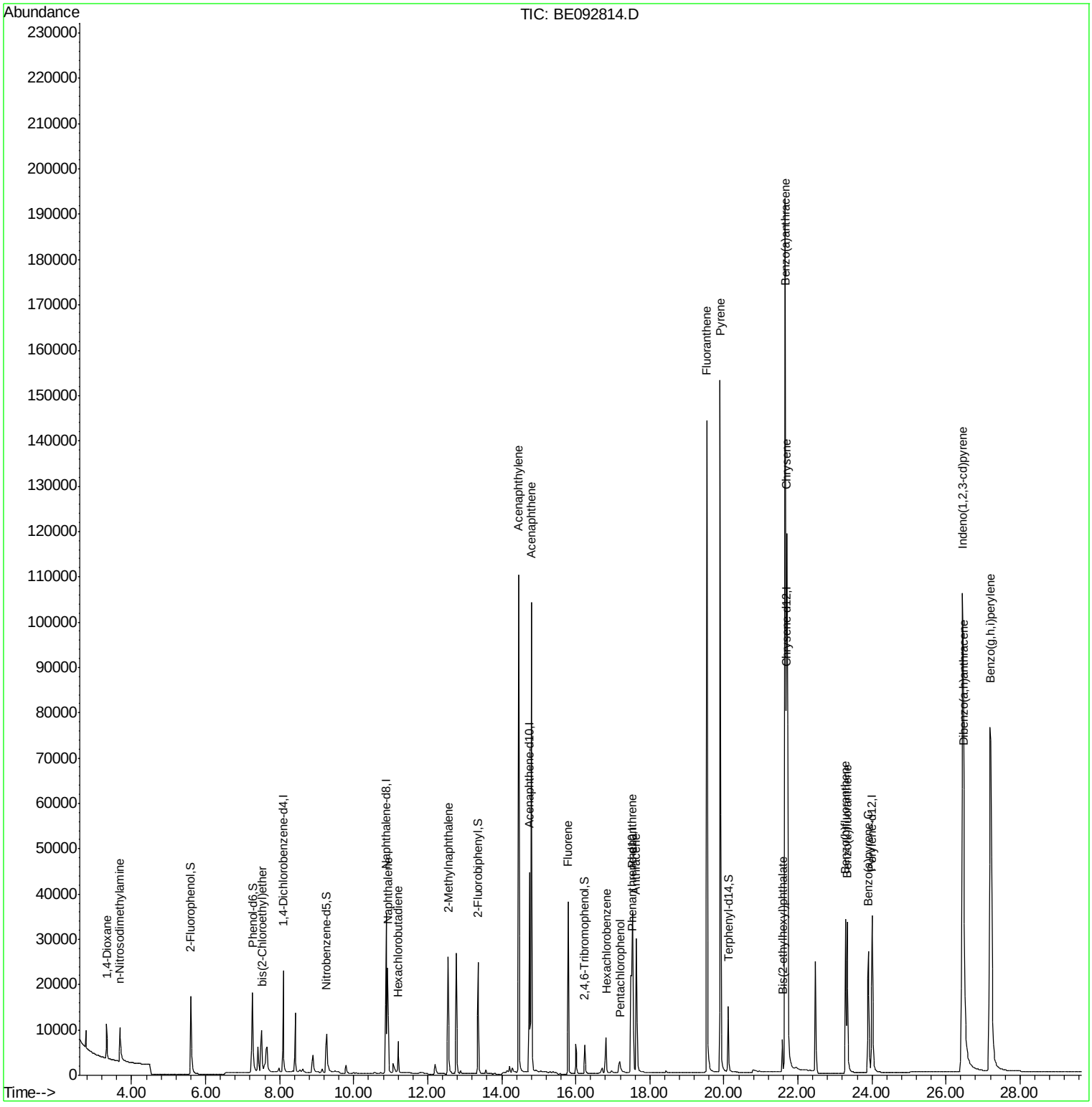
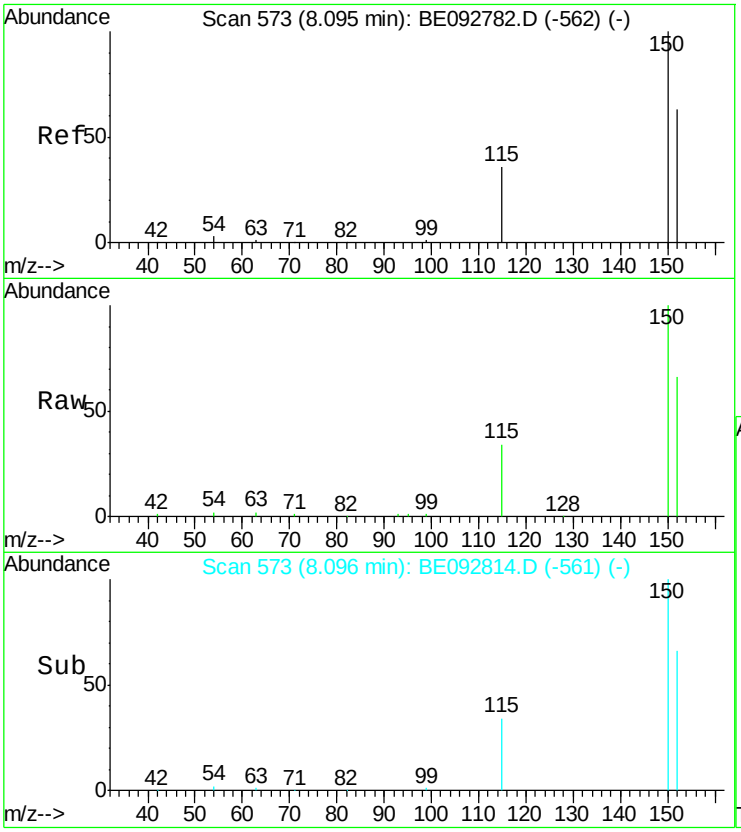
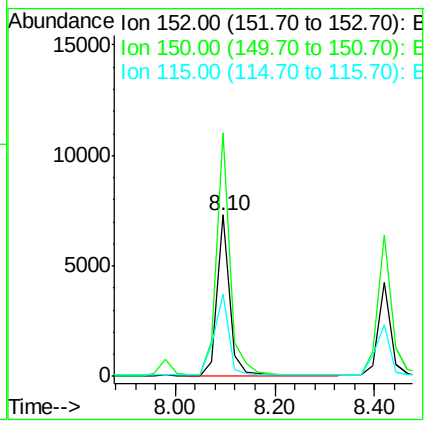




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.10 min Scan# 573
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:152 Resp: 12566

Ion	Ratio	Lower	Upper
152	100		
150	150.8	106.0	159.0
115	51.2	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
PB97503BSD

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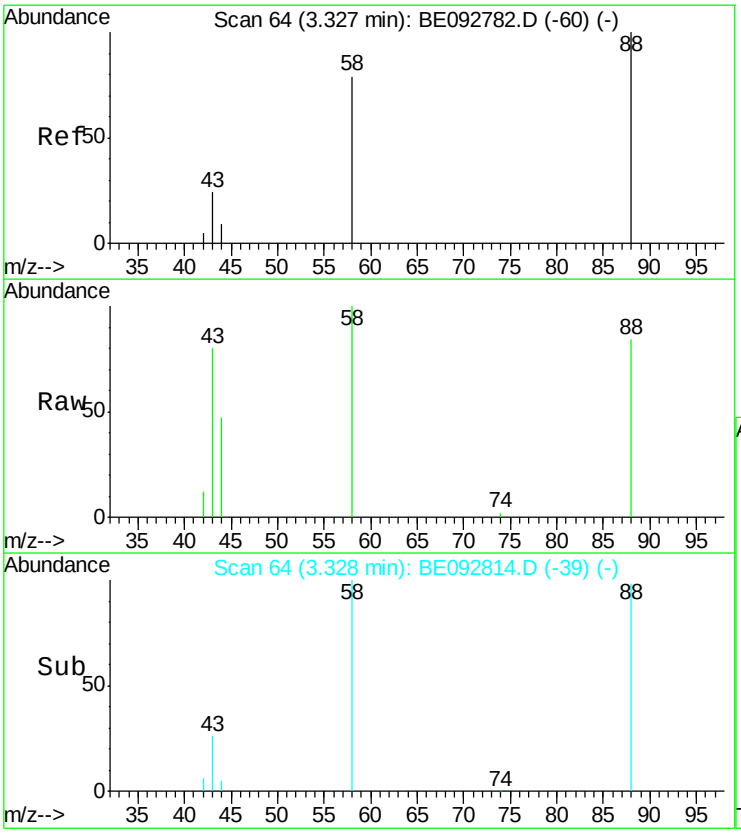
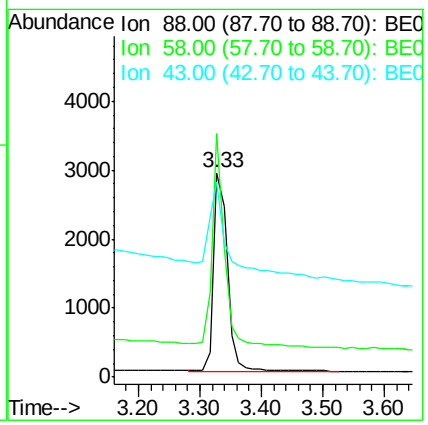
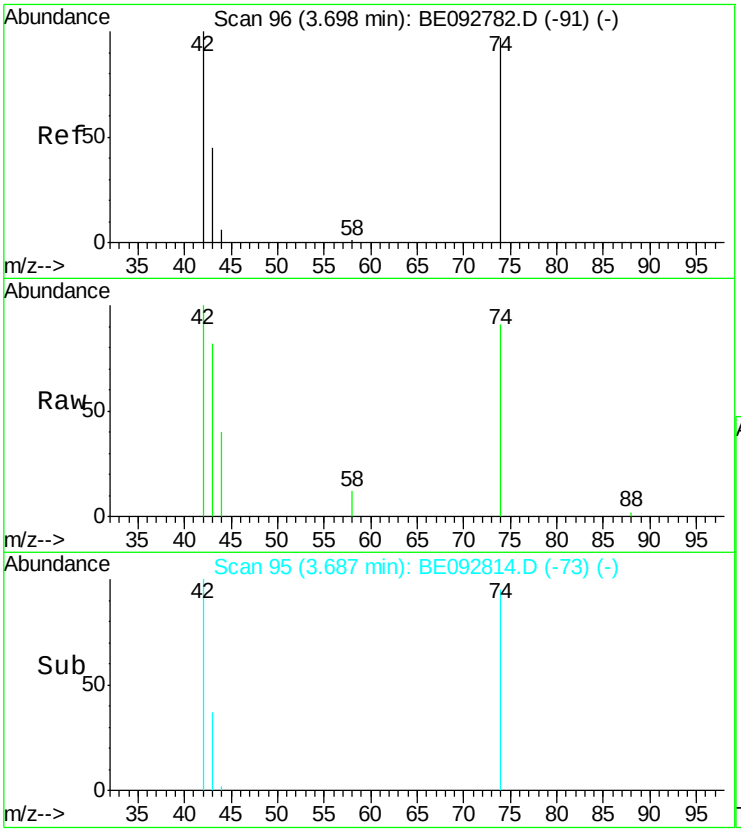


#2
1,4-Dioxane
Concen: 2.96 ng
RT: 3.33 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion: 88 Resp: 4464

Ion	Ratio	Lower	Upper
88	100		
58	102.2	63.6	95.4#
43	86.6	28.0	42.0#

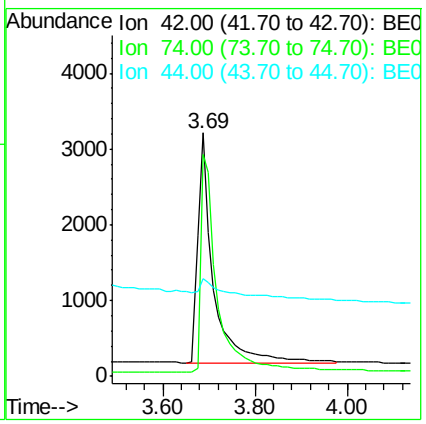




#3
n-Nitrosodimethylamine
Concen: 3.36 ng
RT: 3.69 min Scan# 95
Delta R.T. -0.05 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion: 42 Resp: 7085

Ion	Ratio	Lower	Upper
42	100		
74	104.4	86.0	129.0
44	17.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB97503BSD

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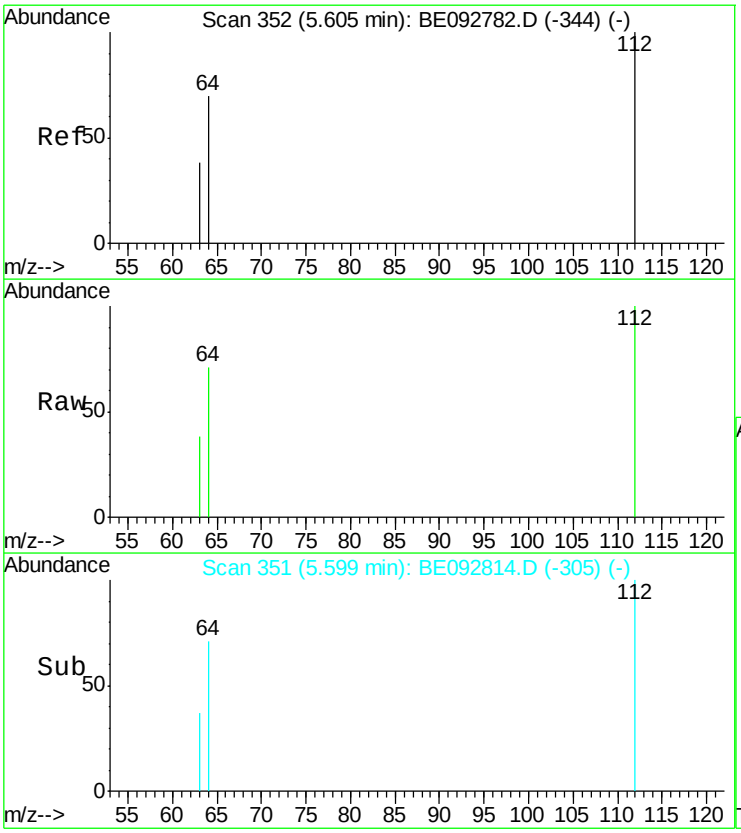
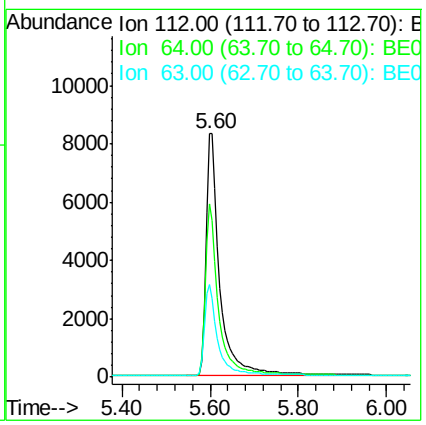
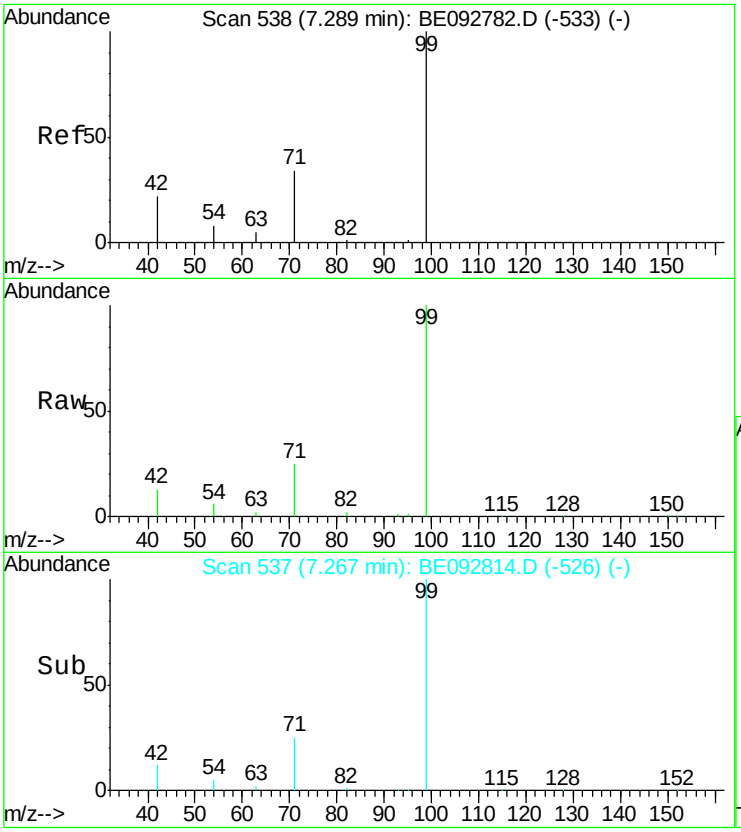


#4
2-Fluorophenol
Concen: 6.82 ng
RT: 5.60 min Scan# 351
Delta R.T. -0.03 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:112 Resp: 18143

Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.5	80.3
63	36.8	27.9	41.9

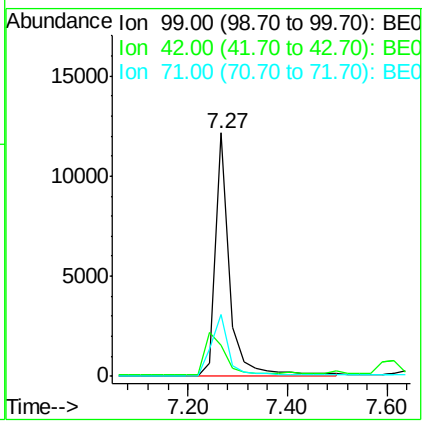




#5
Phenol-d6
Concen: 7.47 ng
RT: 7.27 min Scan# 537
Delta R.T. -0.05 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion: 99 Resp: 23657

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	31.7	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
PB97503BSD

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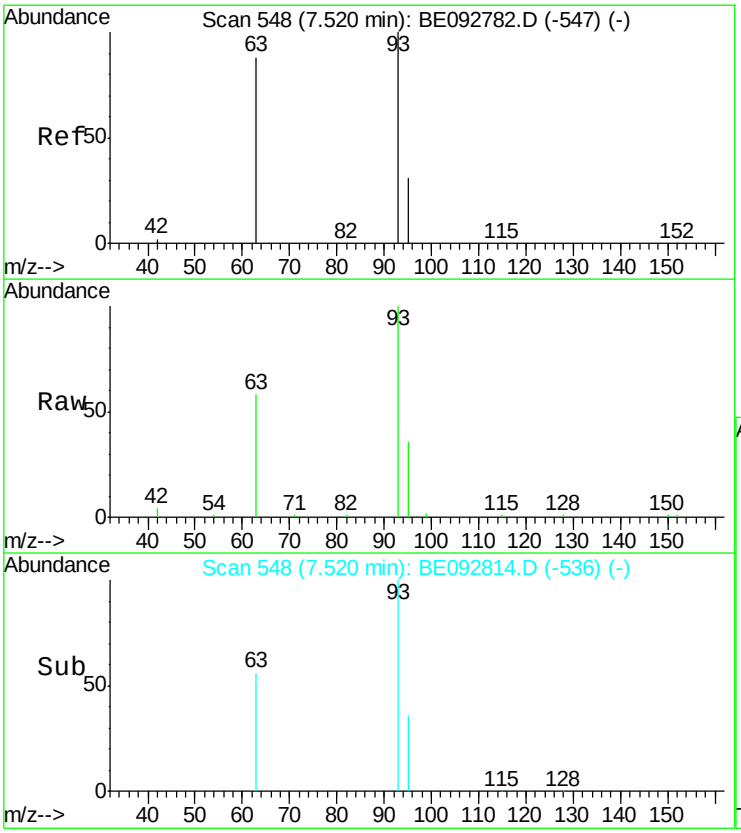
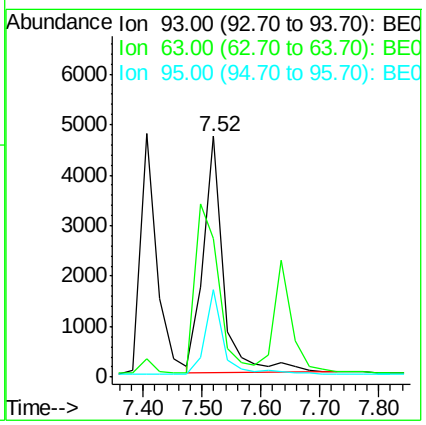
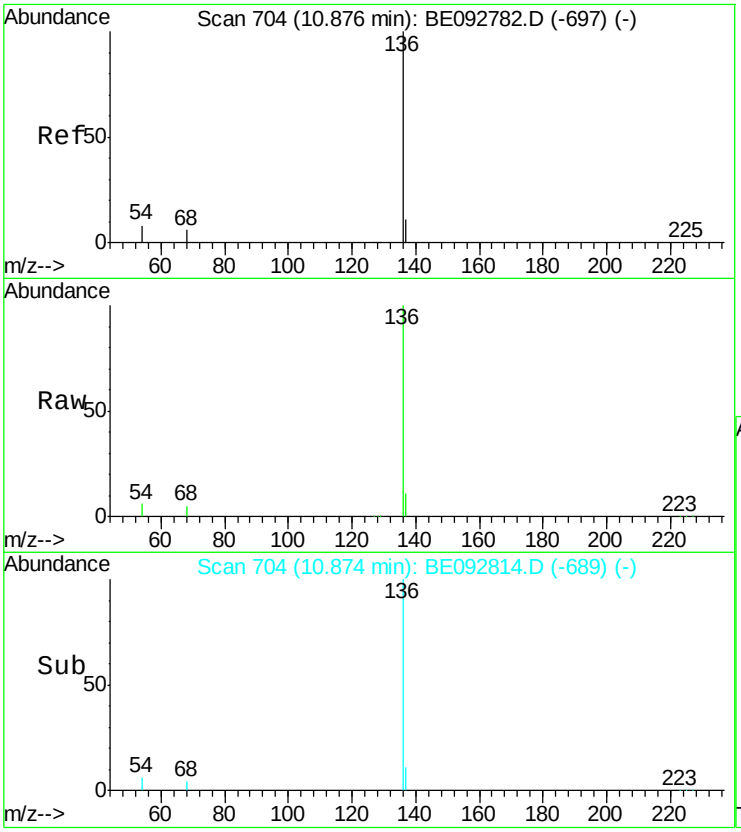


#6
bis(2-Chloroethyl)ether
Concen: 3.25 ng
RT: 7.52 min Scan# 548
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion: 93 Resp: 11241

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	32.5	24.0	36.0

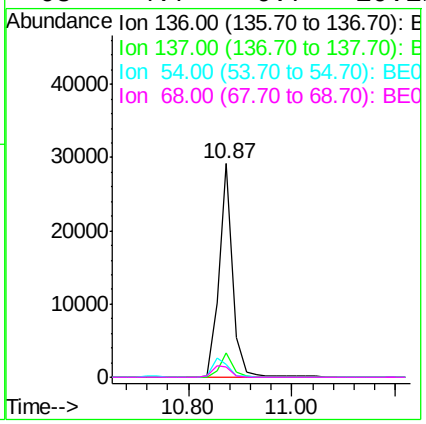




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.87 min Scan# 704
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:136 Resp: 53273

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	6.1	9.6	14.4#
68	4.7	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB97503BSD

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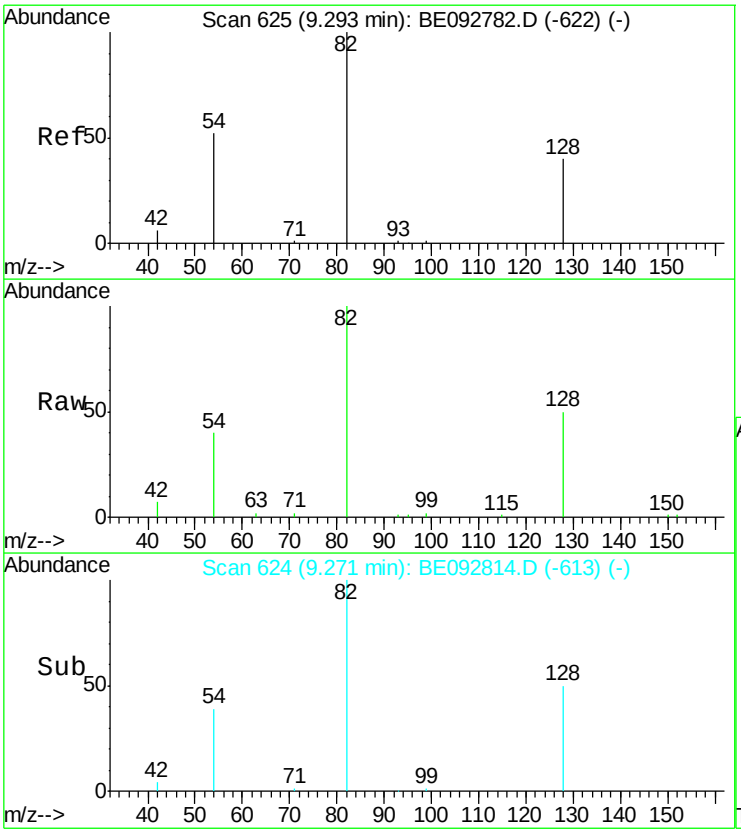
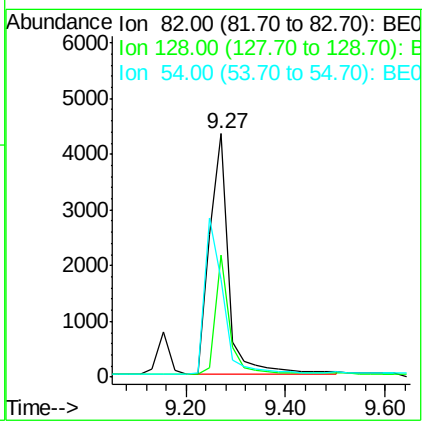
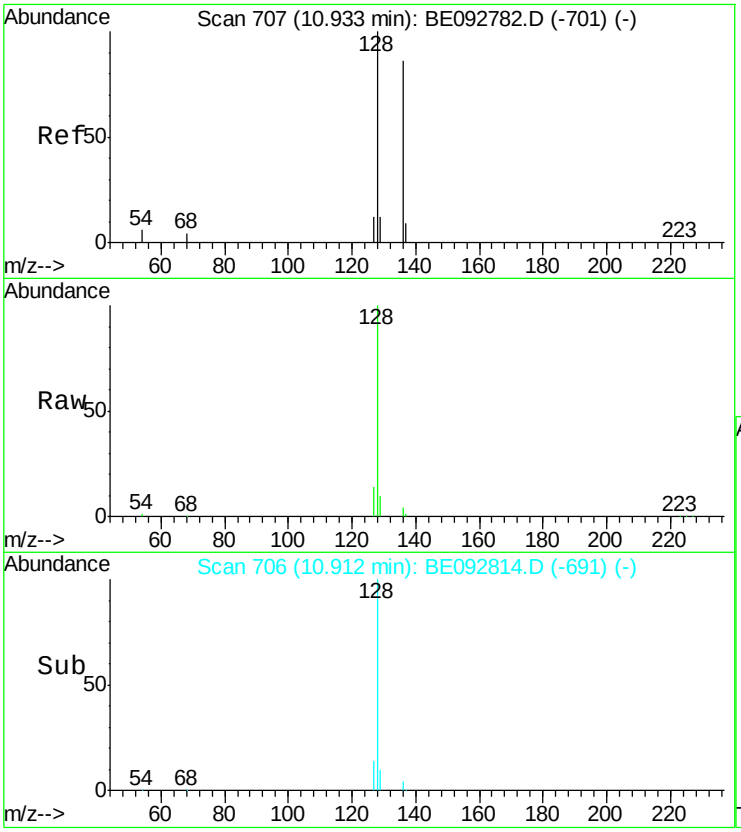


#8
Nitrobenzene-d5
Concen: 3.49 ng
RT: 9.27 min Scan# 624
Delta R.T. -0.05 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion: 82 Resp: 11363

Ion	Ratio	Lower	Upper
82	100		
128	50.2	39.0	58.4
54	40.4	44.8	67.2#

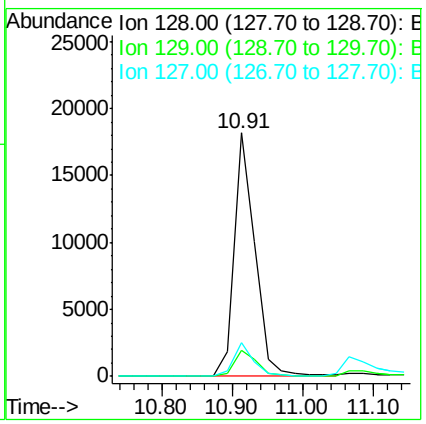




#9
Naphthalene
Concen: 3.24 ng
RT: 10.91 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:128 Resp: 36871

Ion	Ratio	Lower	Upper
128	100		
129	10.4	11.2	16.8#
127	13.9	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
PB97503BSD

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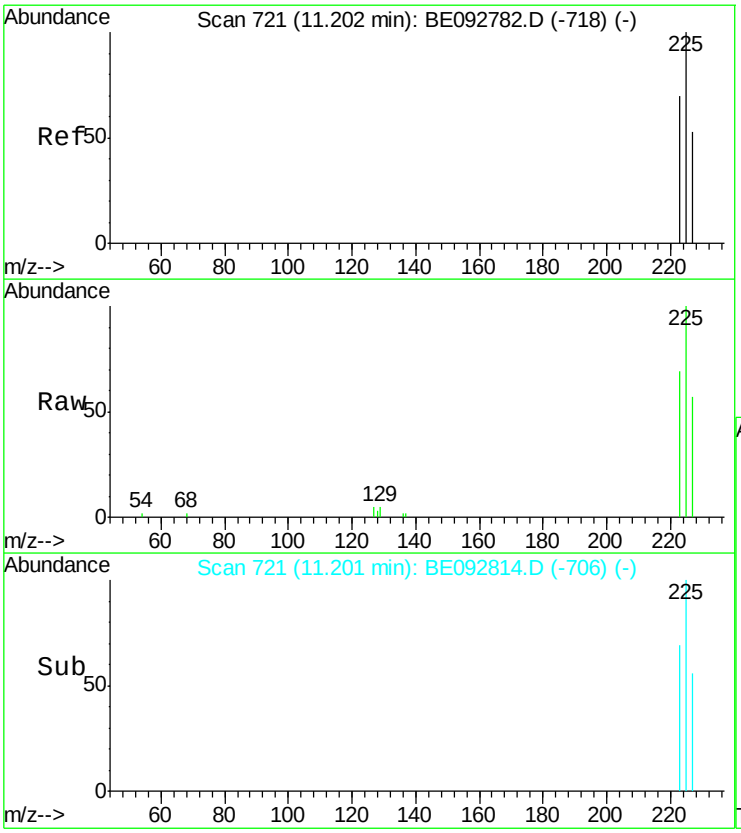
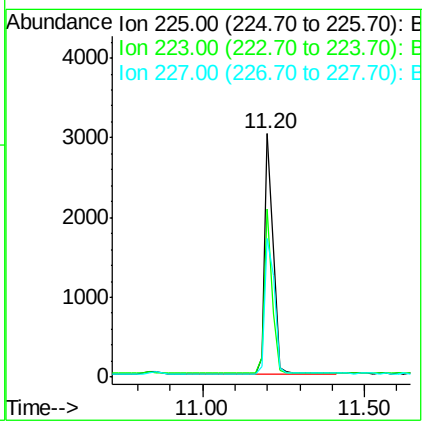
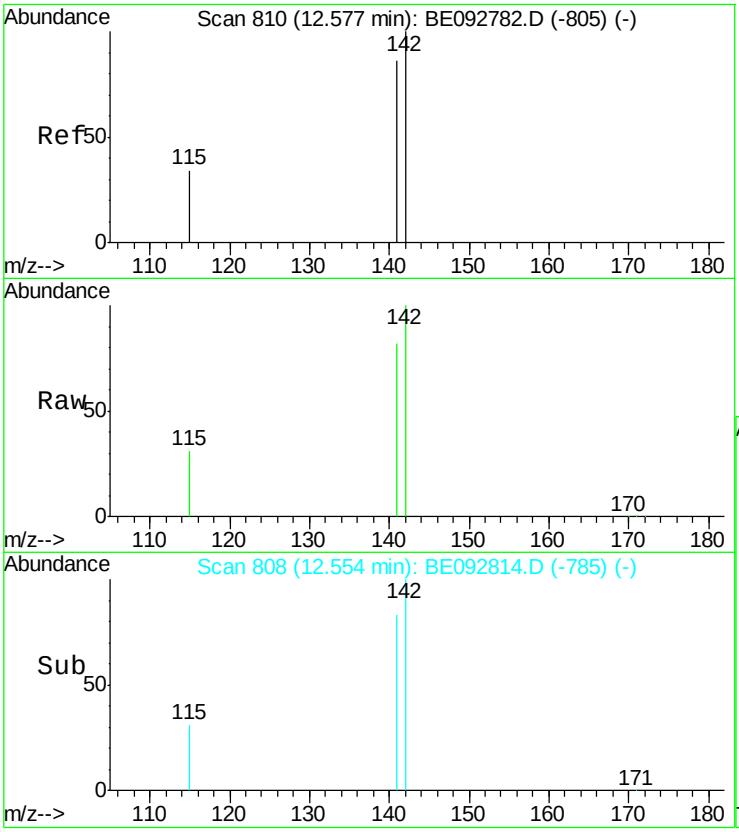


#10
Hexachlorobutadiene
Concen: 3.43 ng
RT: 11.20 min Scan# 721
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:225 Resp: 5637

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	76.0
227	63.4	51.4	77.0

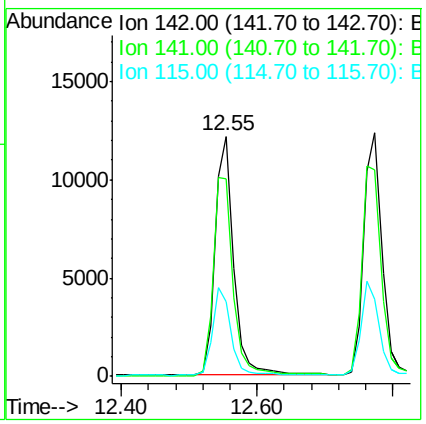




#11
2-Methylnaphthalene
Concen: 3.19 ng
RT: 12.55 min Scan# 808
Delta R.T. -0.04 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:142 Resp: 23542

Ion	Ratio	Lower	Upper
142	100		
141	82.0	73.7	110.5
115	30.8	34.0	51.0#



Instrument :
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ClientSampleId :
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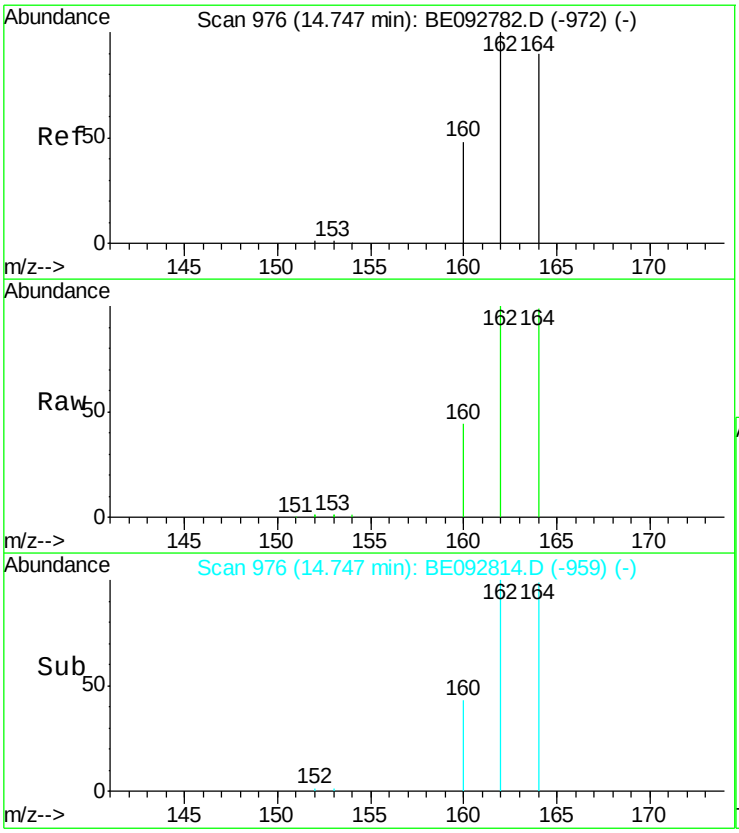
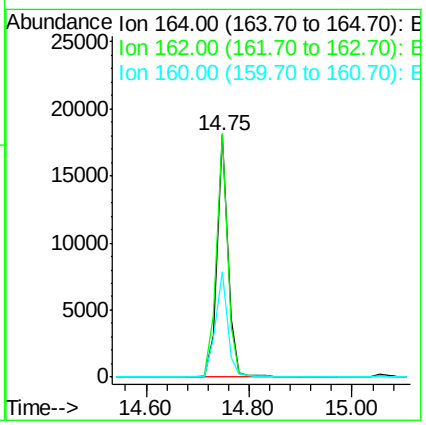
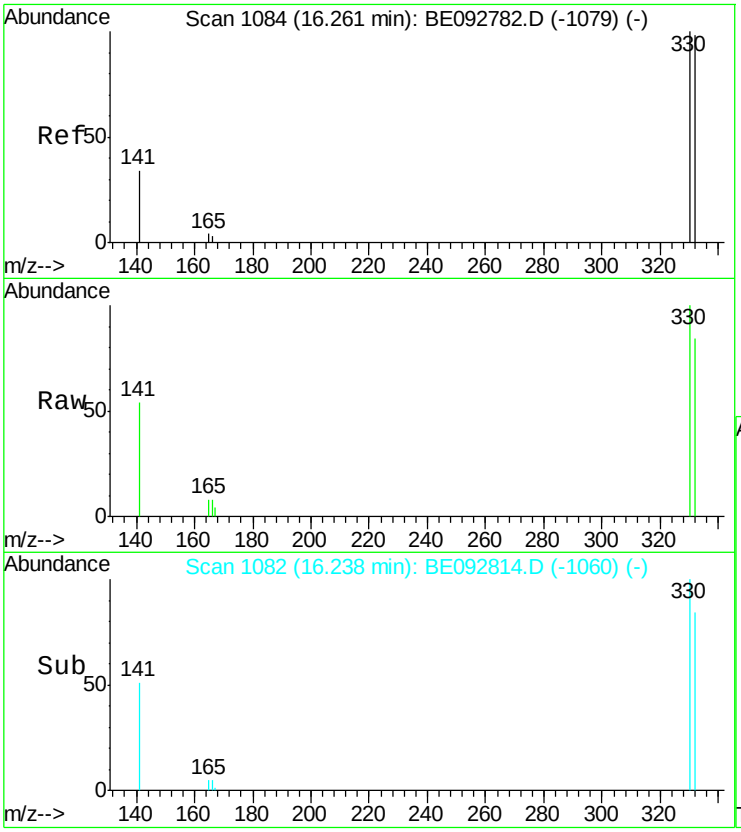


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.75 min Scan# 976
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:164 Resp: 26461

Ion	Ratio	Lower	Upper
164	100		
162	100.6	71.4	107.0
160	43.8	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 7.41 ng
RT: 16.24 min Scan# 1082
Delta R.T. -0.05 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:330 Resp: 5158

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	42.8	31.0	46.6

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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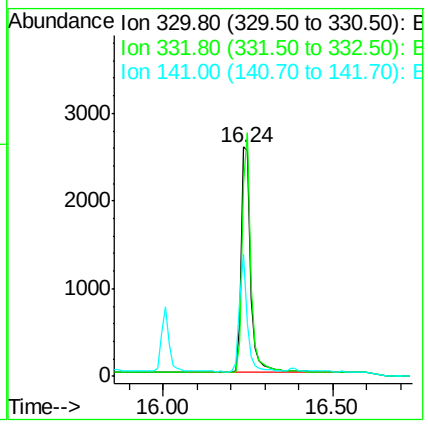
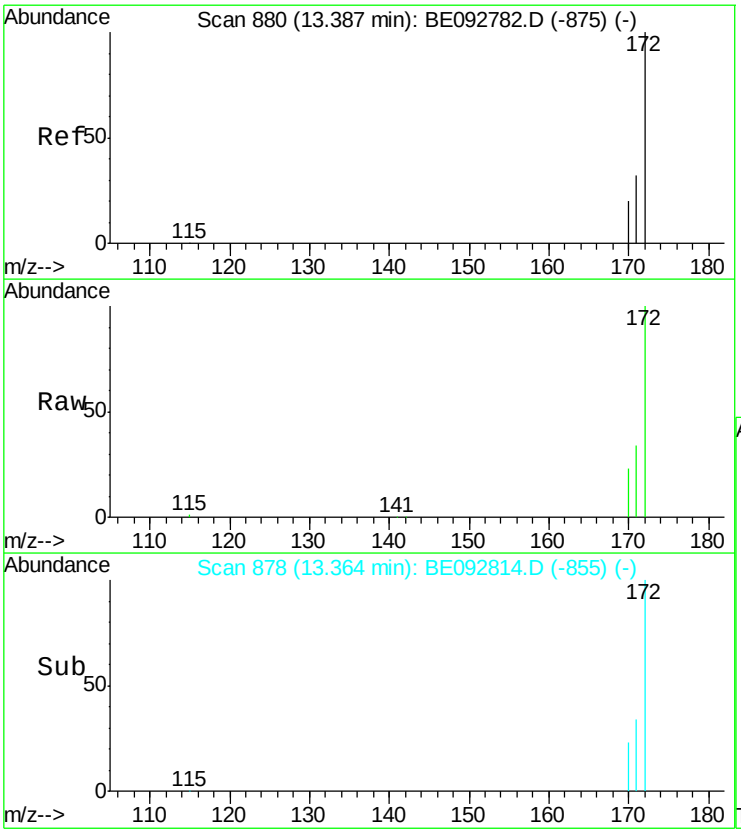
3/13/2017 4:30:50 PM

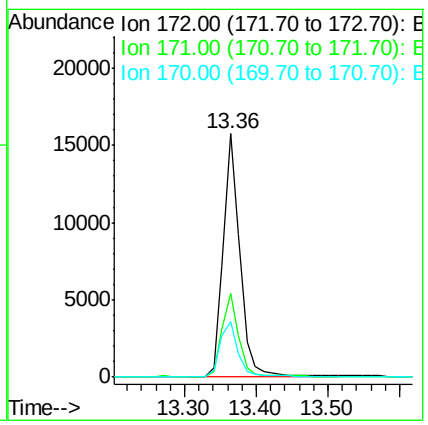


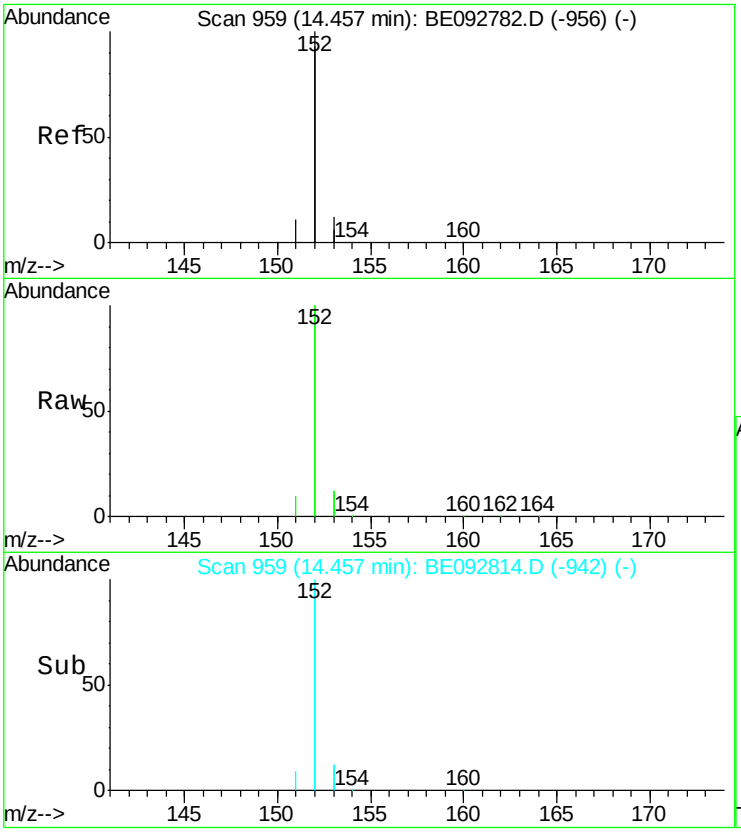


#14
2-Fluorobiphenyl
Concen: 4.06 ng
RT: 13.36 min Scan# 878
Delta R.T. -0.04 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:172 Resp: 25364

Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.1	45.1
170	22.9	21.8	32.6

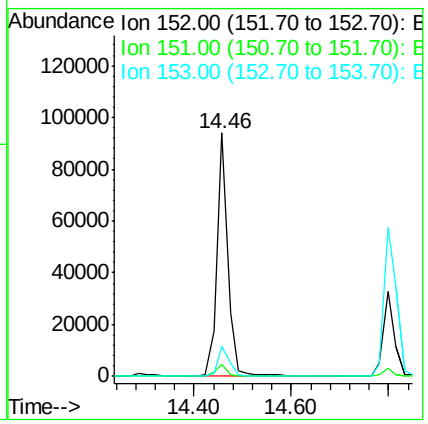




#15
Acenaphthylene
Concen: 3.53 ng
RT: 14.46 min Scan# 959
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:152 Resp: 143708

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	12.9	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
PB97503BSD

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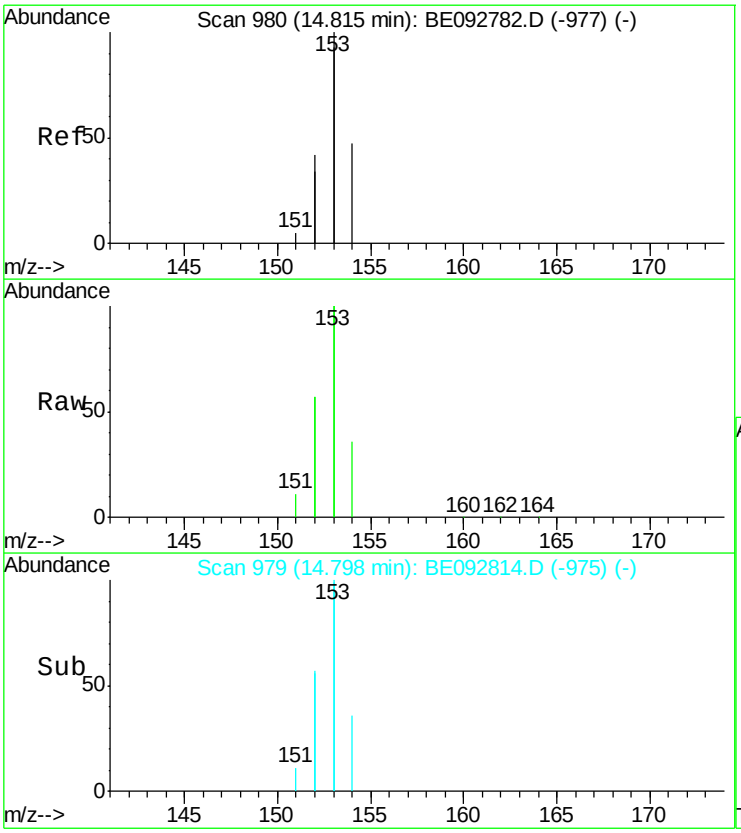
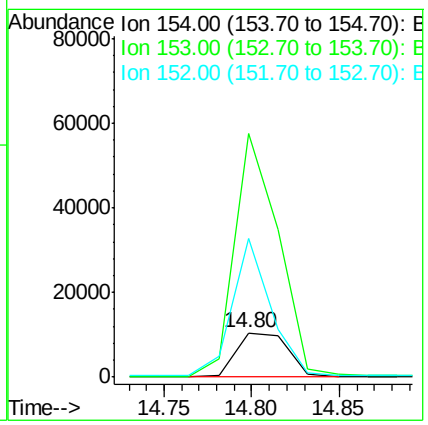
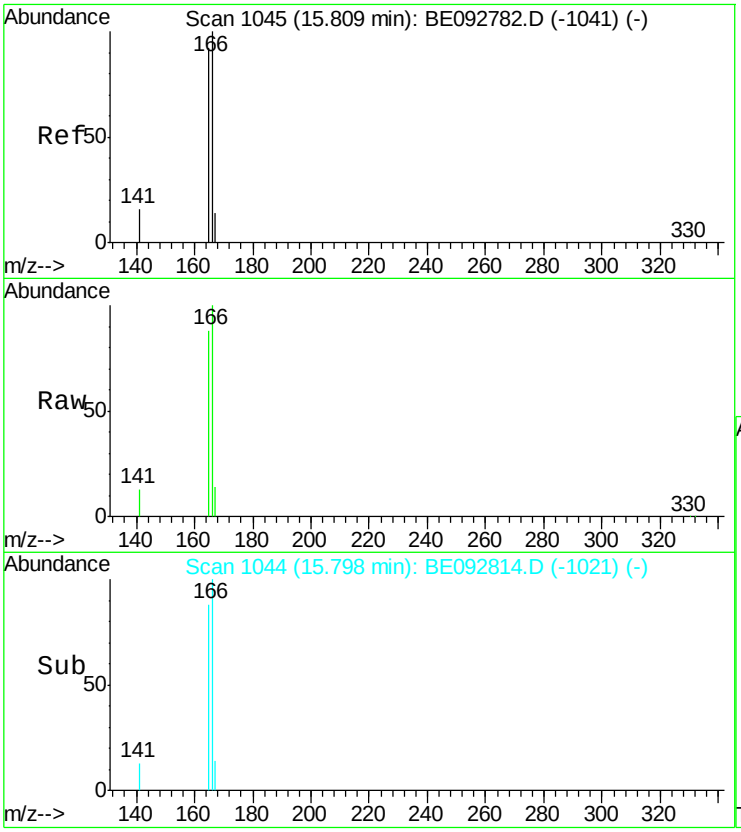


#16
Acenaphthene
Concen: 3.83 ng
RT: 14.80 min Scan# 979
Delta R.T. -0.03 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:154 Resp: 21788

Ion	Ratio	Lower	Upper
154	100		
153	461.8	350.8	526.2
152	231.3	171.1	256.7

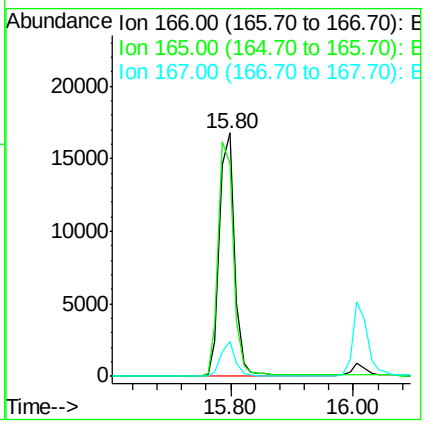




#17
Fluorene
Concen: 3.64 ng
RT: 15.80 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:166 Resp: 28192

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.3	11.0	16.4



Instrument :
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ClientSampleId :
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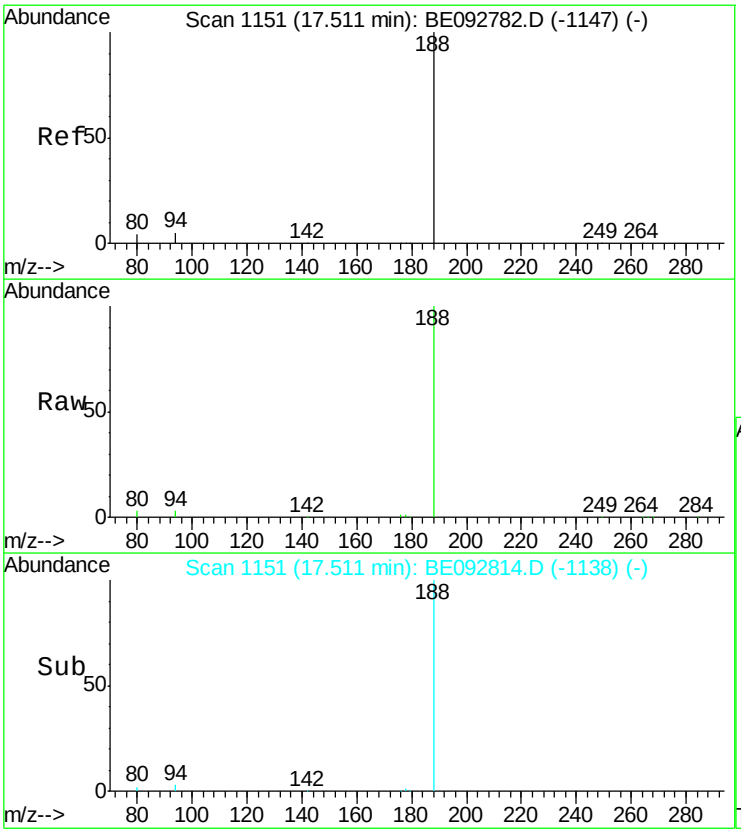
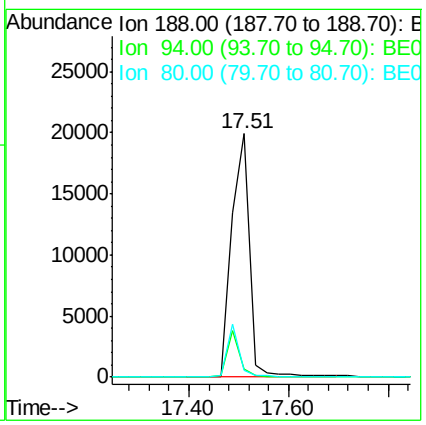
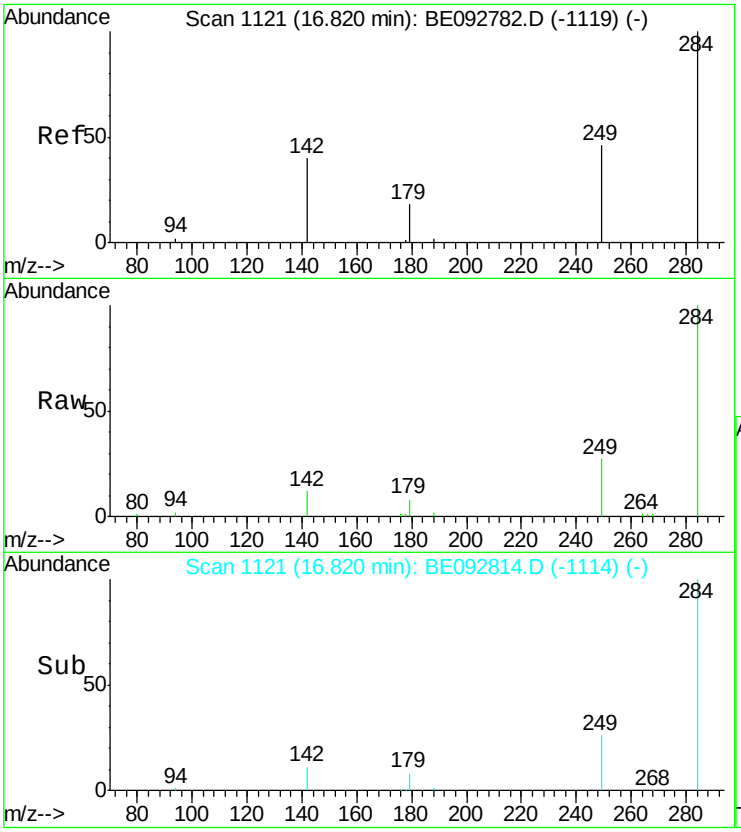


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:188 Resp: 48782

Ion	Ratio	Lower	Upper
188	100		
94	3.2	3.2	4.8
80	2.8	2.6	3.8

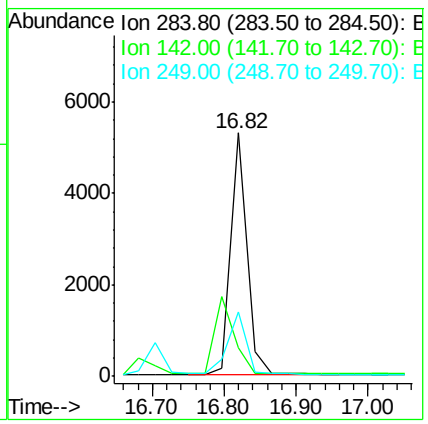




#19
Hexachlorobenzene
Concen: 4.13 ng
RT: 16.82 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:284 Resp: 8242

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	28.9	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
PB97503BSD

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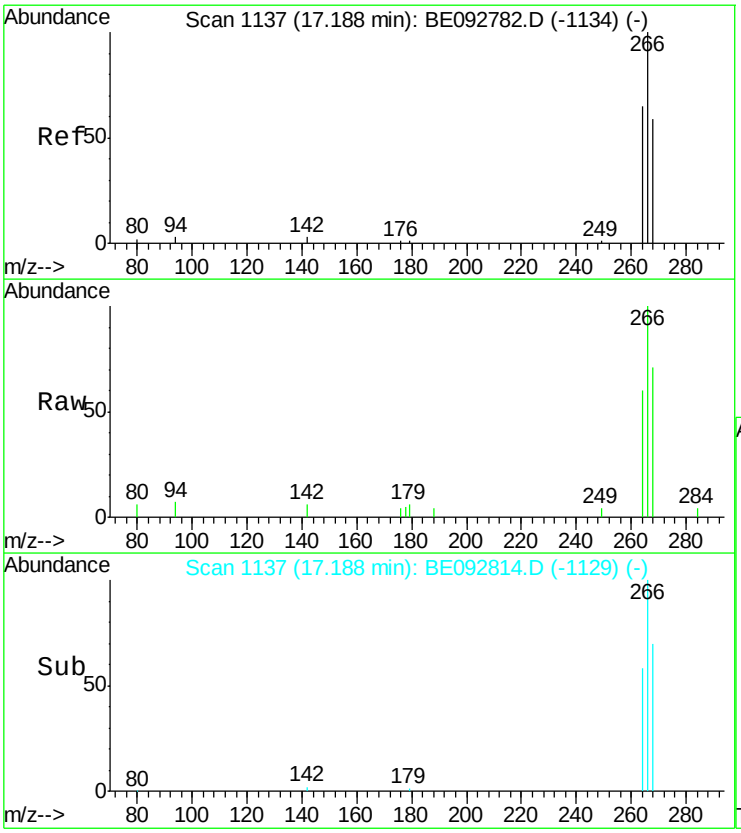
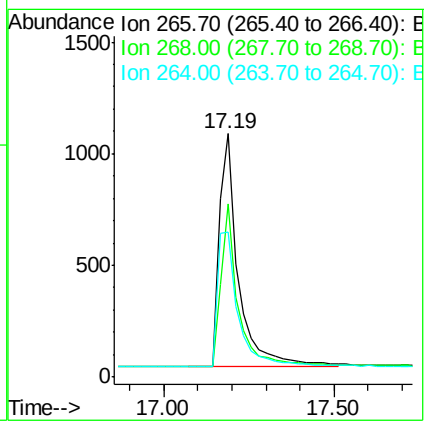
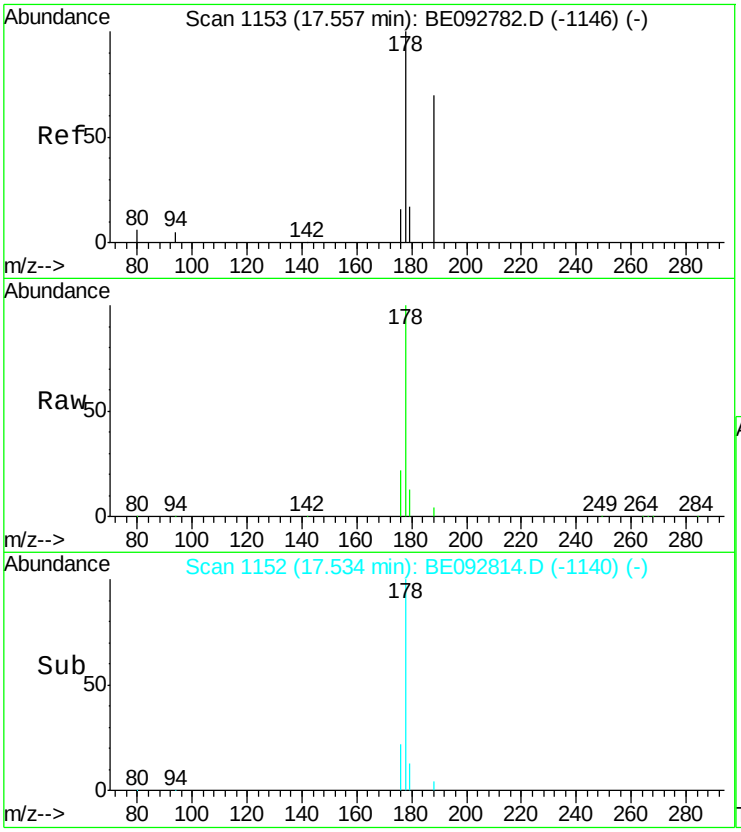


#20
Pentachlorophenol
Concen: 5.70 ng
RT: 17.19 min Scan# 1137
Delta R.T. -0.11 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:266 Resp: 4101

Ion	Ratio	Lower	Upper
266	100		
268	70.9	62.5	93.7
264	59.8	57.2	85.8

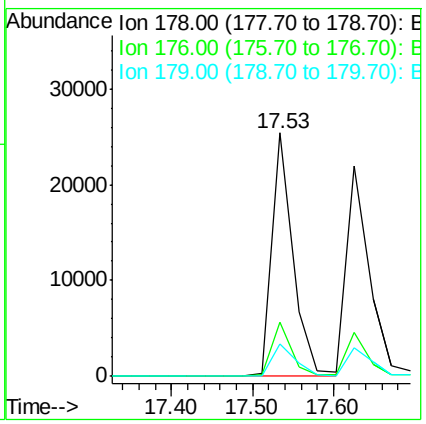




#21
Phenanthrene
Concen: 3.91 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:178 Resp: 45723

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	14.5	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
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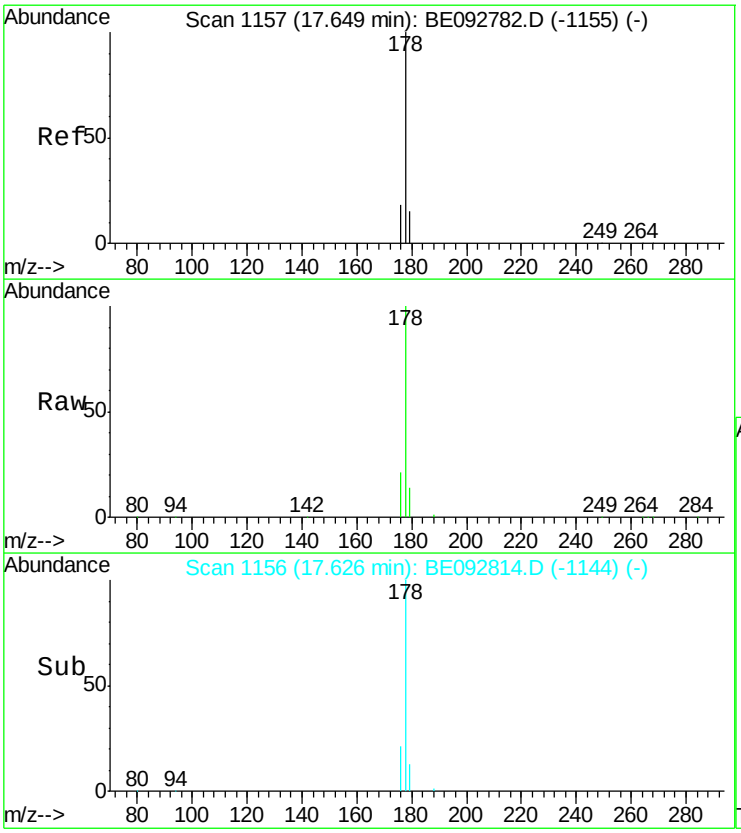
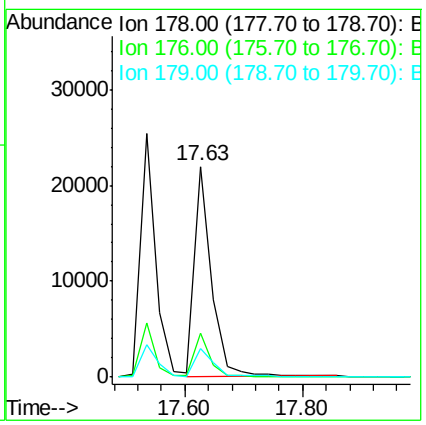
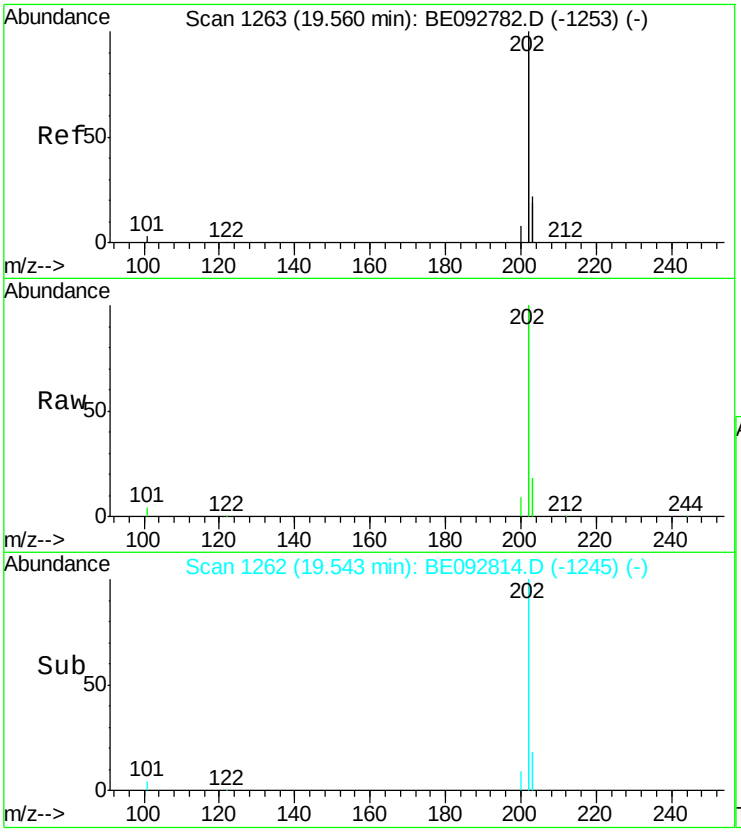


#22
Anthracene
Concen: 3.75 ng
RT: 17.63 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:178 Resp: 44286

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.1	12.2	18.2

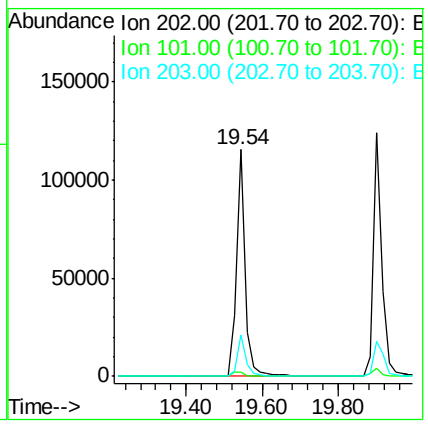




#23
Fluoranthene
Concen: 3.23 ng
RT: 19.54 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:202 Resp: 184014

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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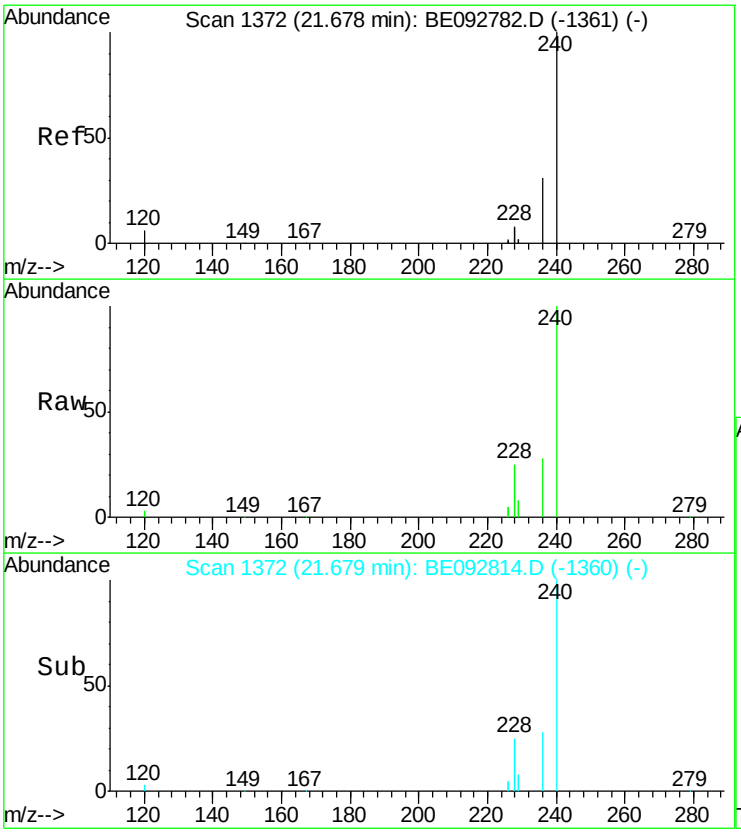
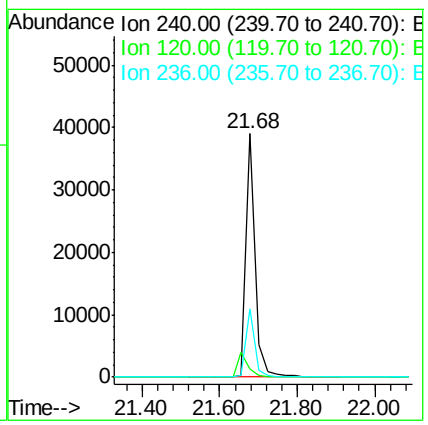
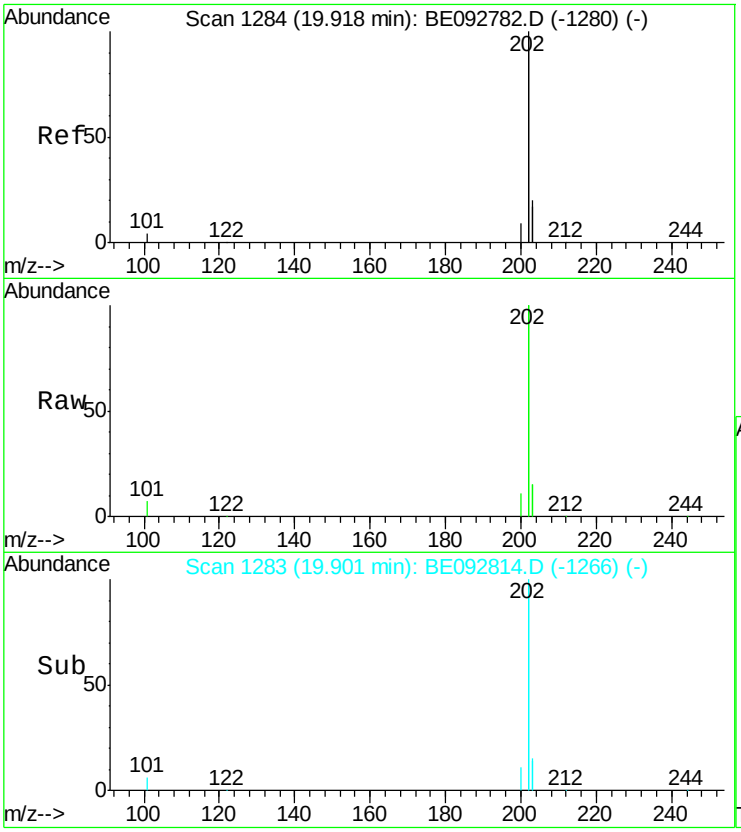


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.68 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:240 Resp: 63029

Ion	Ratio	Lower	Upper
240	100		
120	3.2	2.6	4.0
236	28.0	24.6	37.0





#25
Pyrene
Concen: 3.37 ng
RT: 19.90 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:202 Resp: 192222

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

Instrument :
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ClientSampleId :
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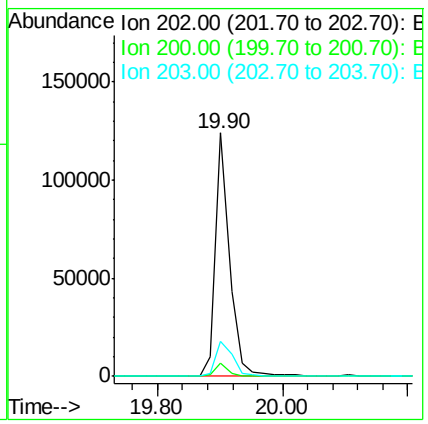
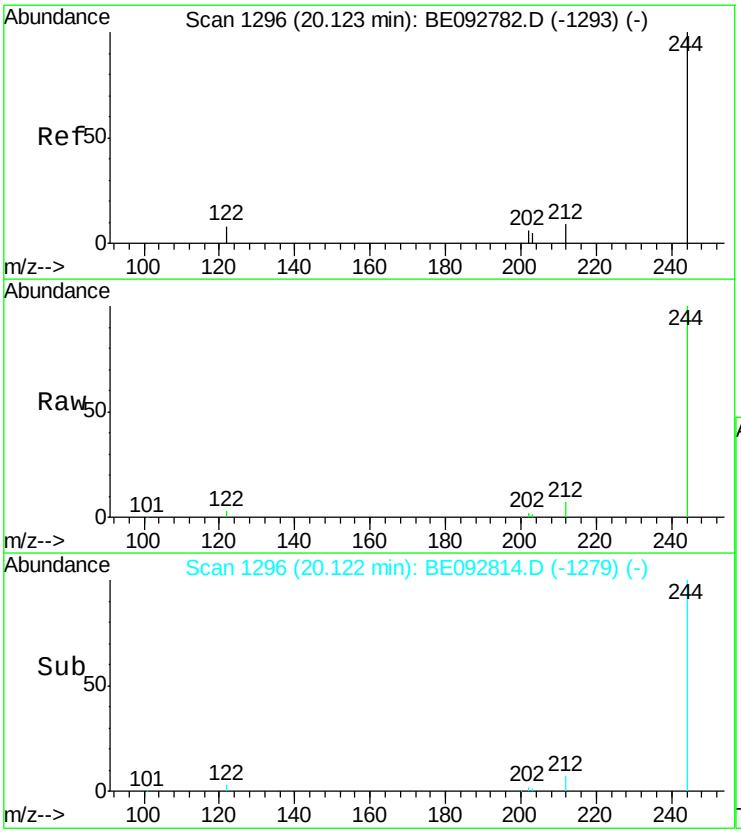
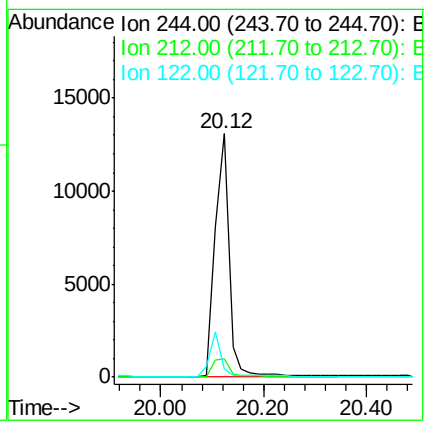


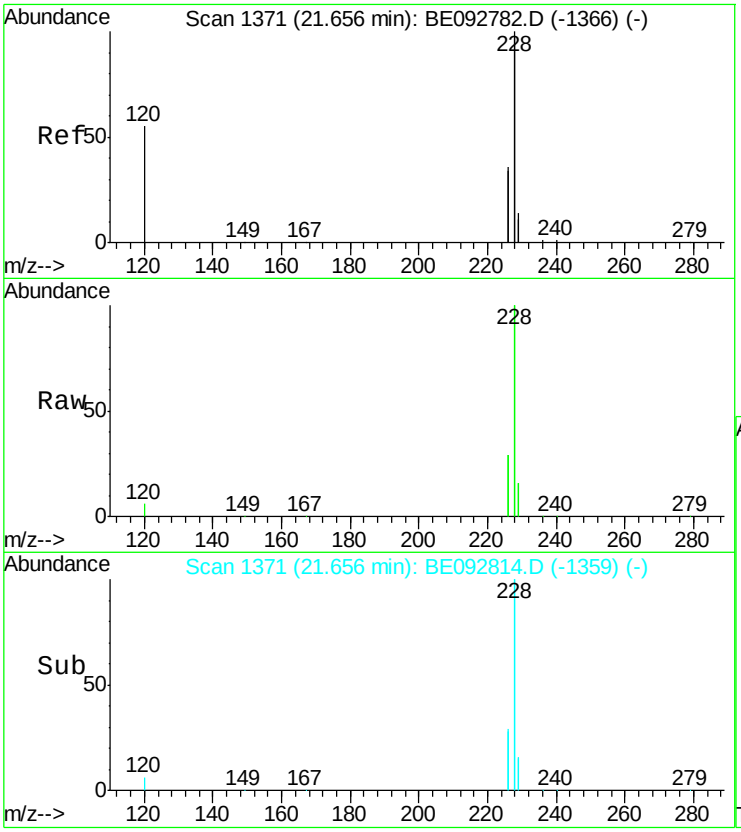


#26
Terphenyl-d14
Concen: 3.22 ng
RT: 20.12 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:244 Resp: 24472

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.7	10.1
122	3.1	3.6	5.4#

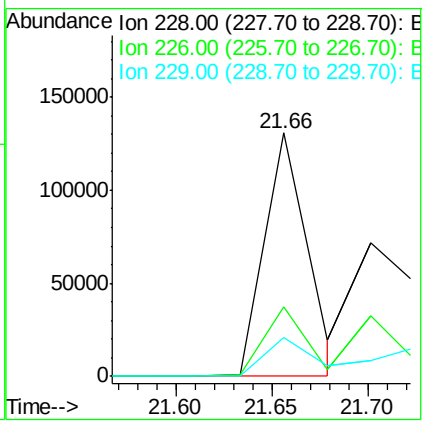




#27
Benzo(a)anthracene
Concen: 3.16 ng m
RT: 21.66 min Scan# 1371
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:228 Resp: 205312

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.6	35.4
229	15.8	13.3	19.9



Instrument :
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ClientSampleId :
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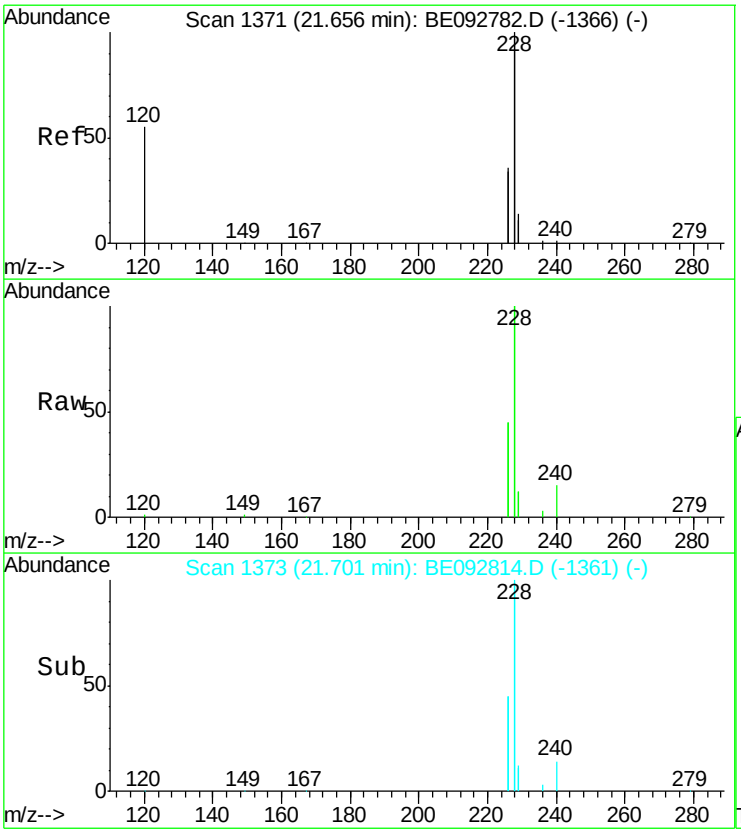
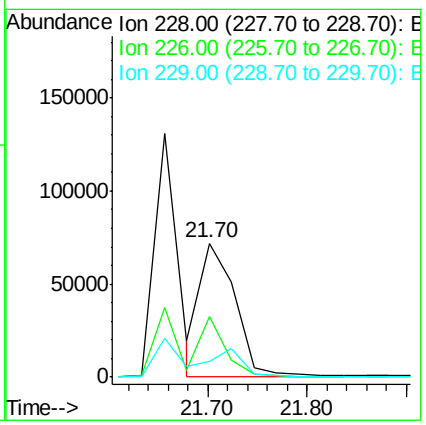
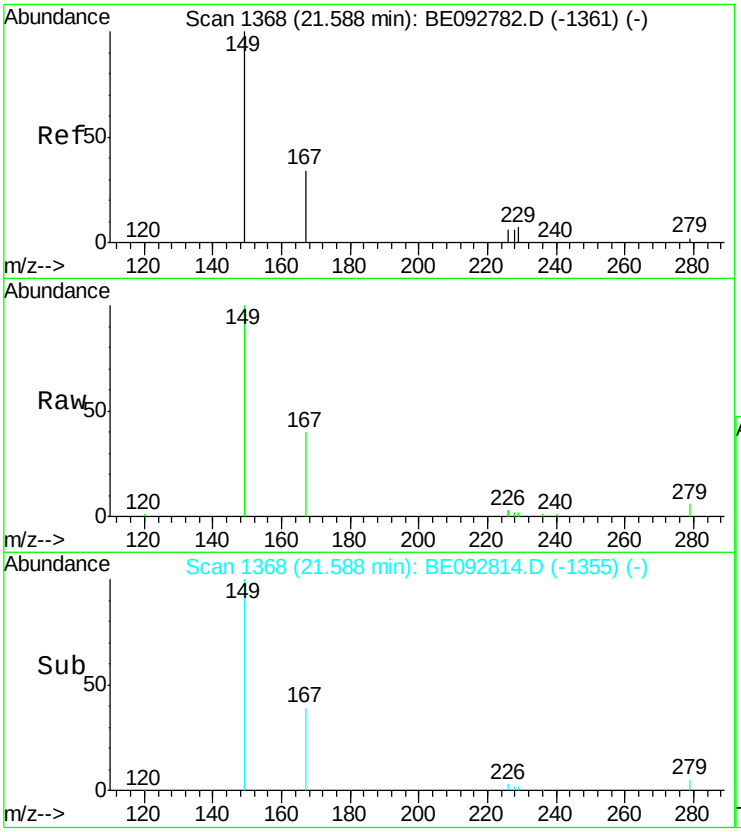


#28
Chrysene
Concen: 3.15 ng m
RT: 21.70 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:228 Resp: 181790

Ion	Ratio	Lower	Upper
228	100		
226	45.3	36.3	54.5
229	11.6	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 2.43 ng
RT: 21.59 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Instrument :
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ClientSampleId :
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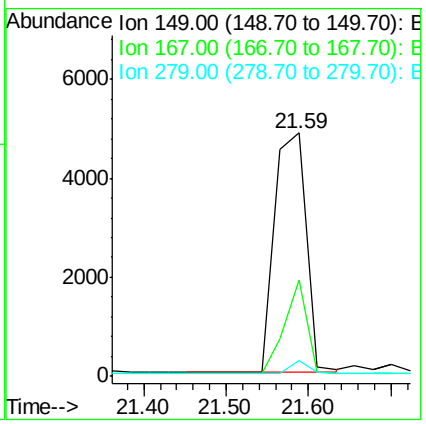
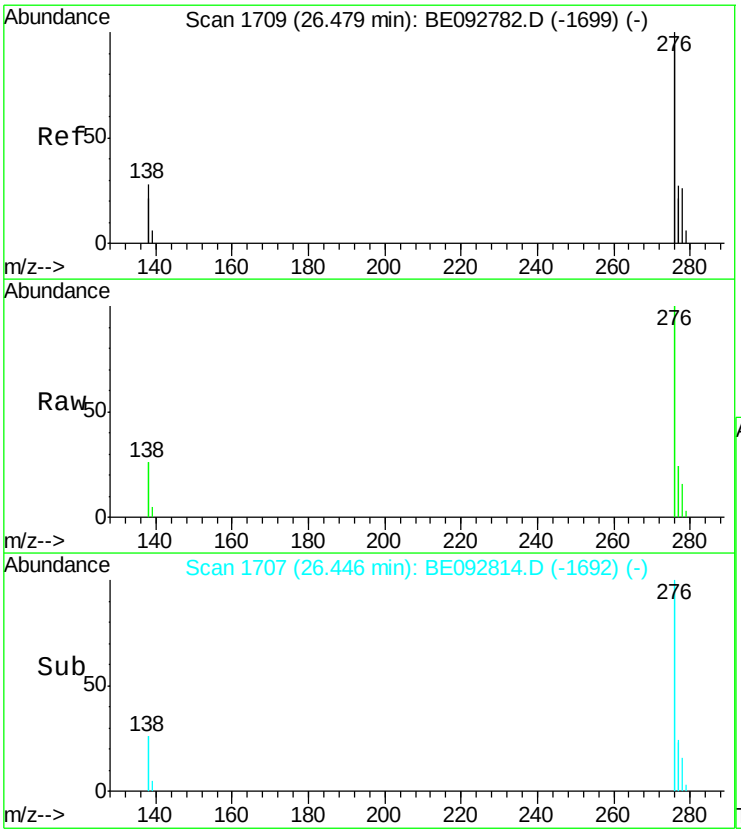
Tgt Ion:149 Resp: 12917

Ion	Ratio	Lower	Upper
149	100		
167	28.5	16.0	24.0#
279	3.3	16.0	24.0#

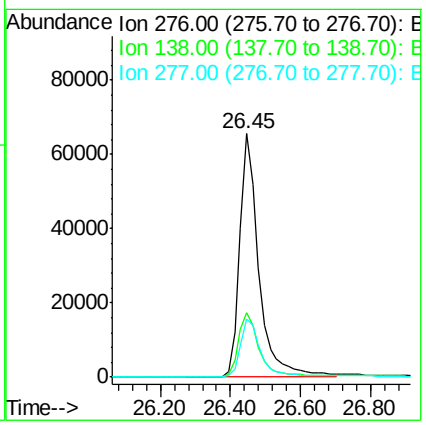


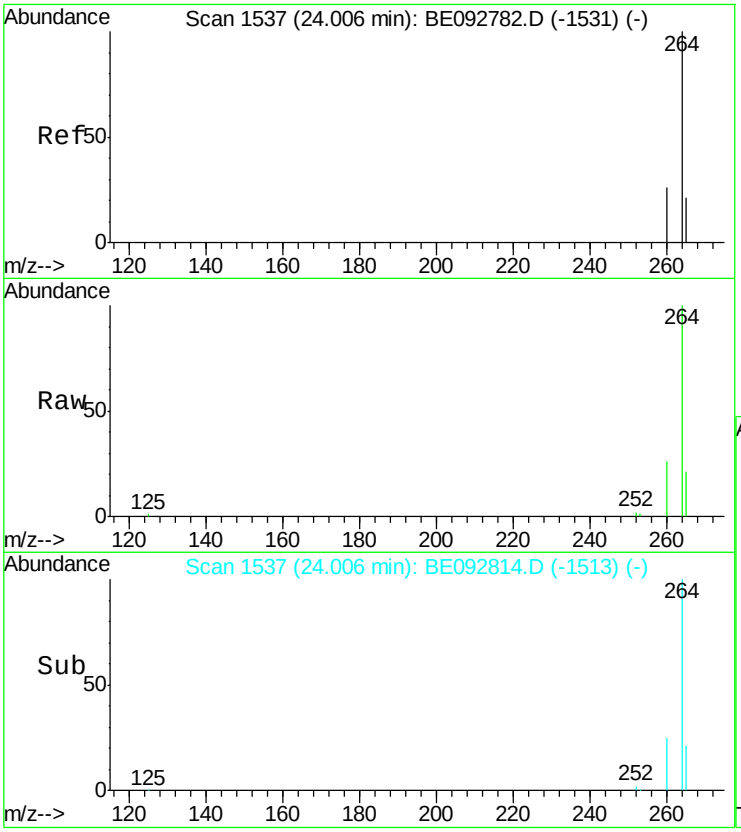


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.93 ng
RT: 26.45 min Scan# 1707
Delta R.T. -0.05 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:276 Resp: 245792

Ion	Ratio	Lower	Upper
276	100		
138	28.4	20.3	30.5
277	24.6	19.7	29.5

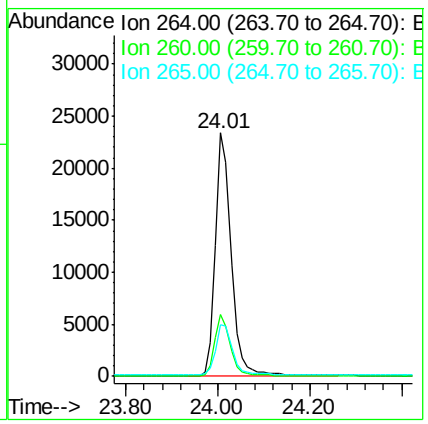




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:264 Resp: 55859

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	21.3	17.9	26.9



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ClientSampleId :
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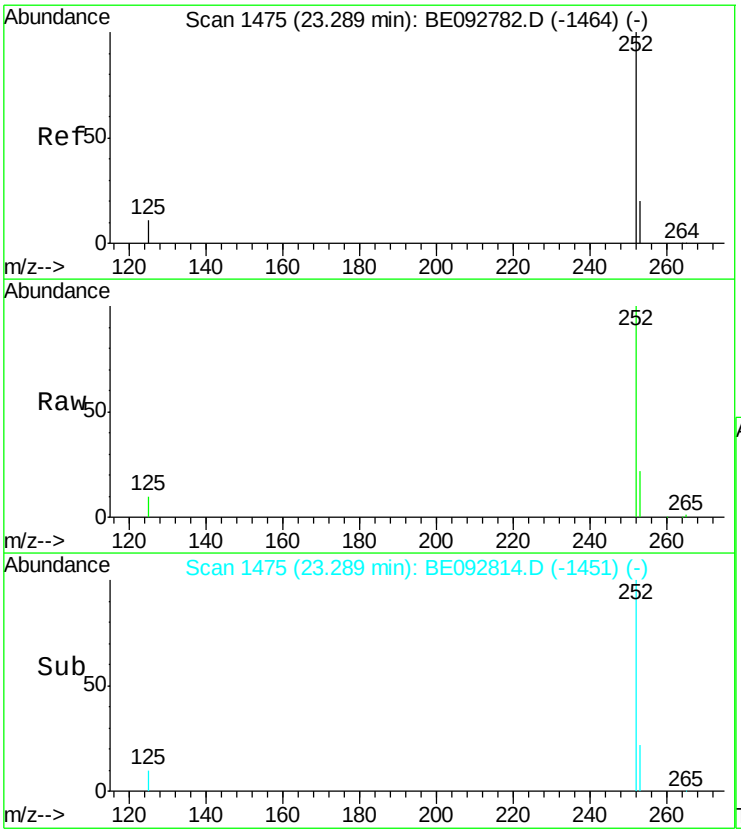
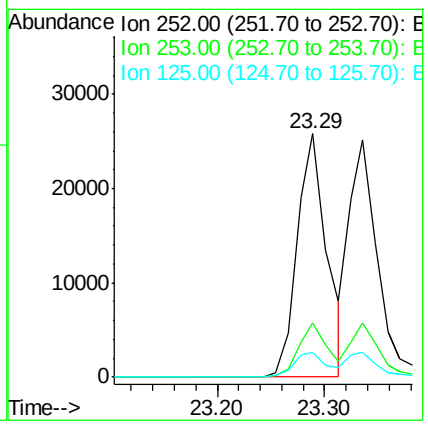
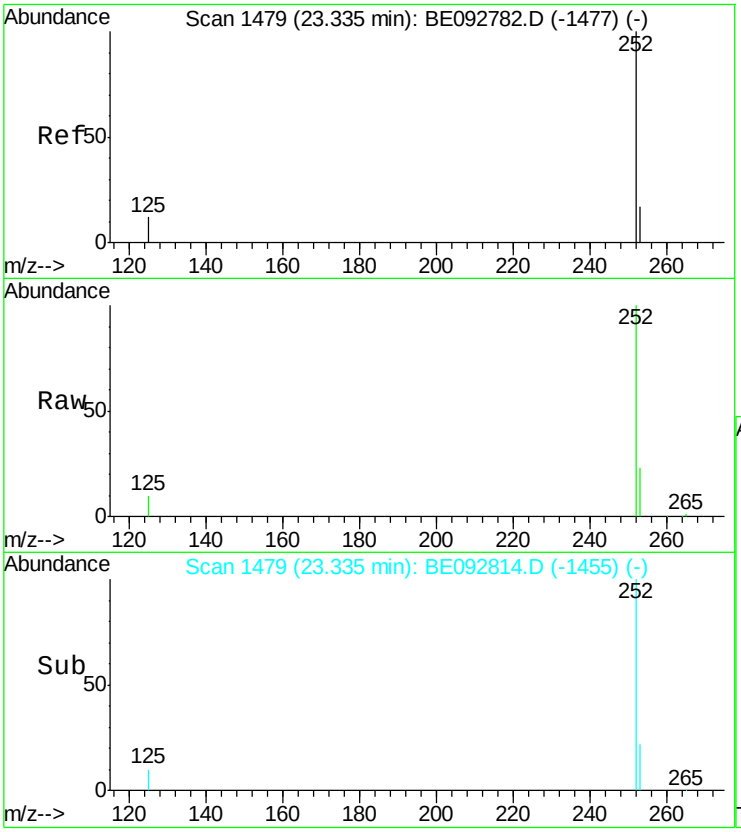


#32
Benzo(b)fluoranthene
Concen: 3.32 ng
RT: 23.29 min Scan# 1475
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:252 Resp: 49362

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.7	28.1
125	10.4	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 3.20 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:252 Resp: 47821

Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.3	30.5
125	10.4	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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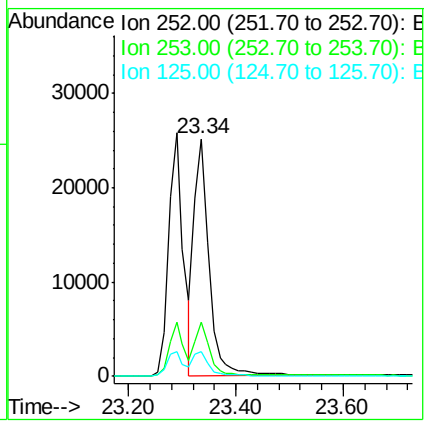
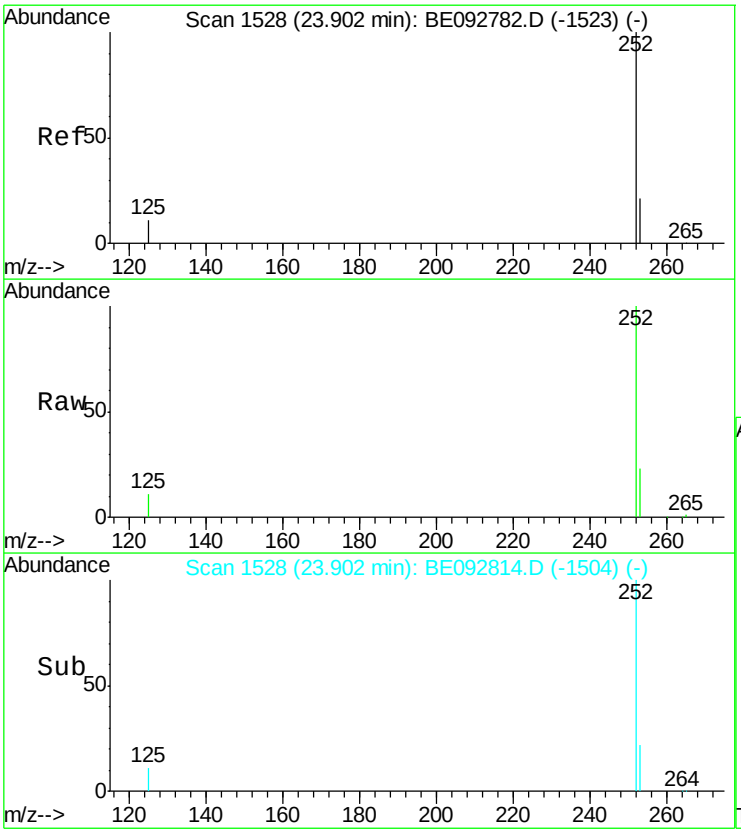
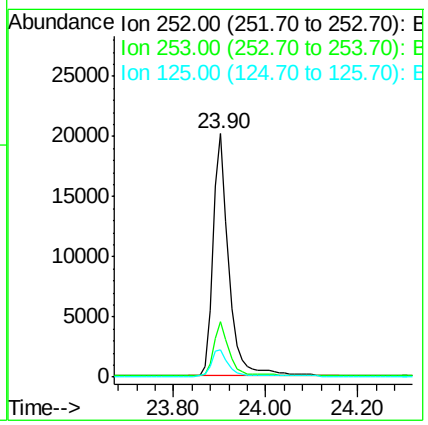


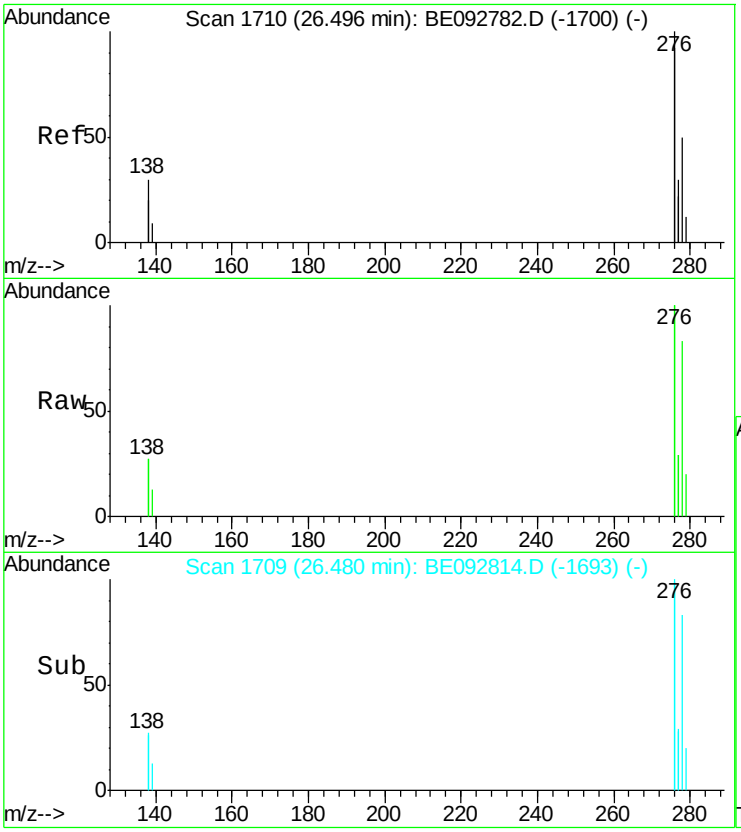


#34
Benzo(a)pyrene
Concen: 3.53 ng
RT: 23.90 min Scan# 1528
Delta R.T. -0.02 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:252 Resp: 47710

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.0	28.6
125	11.4	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 3.88 ng
RT: 26.48 min Scan# 1709
Delta R.T. -0.03 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Instrument :
BNA_E
ClientSampleId :
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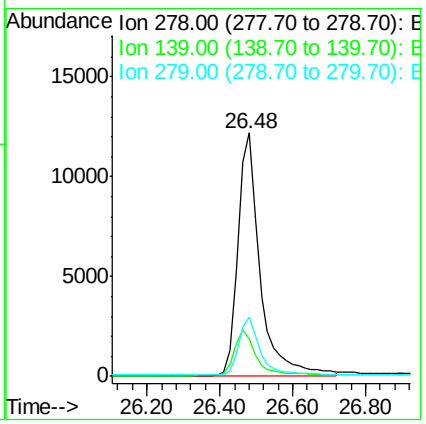
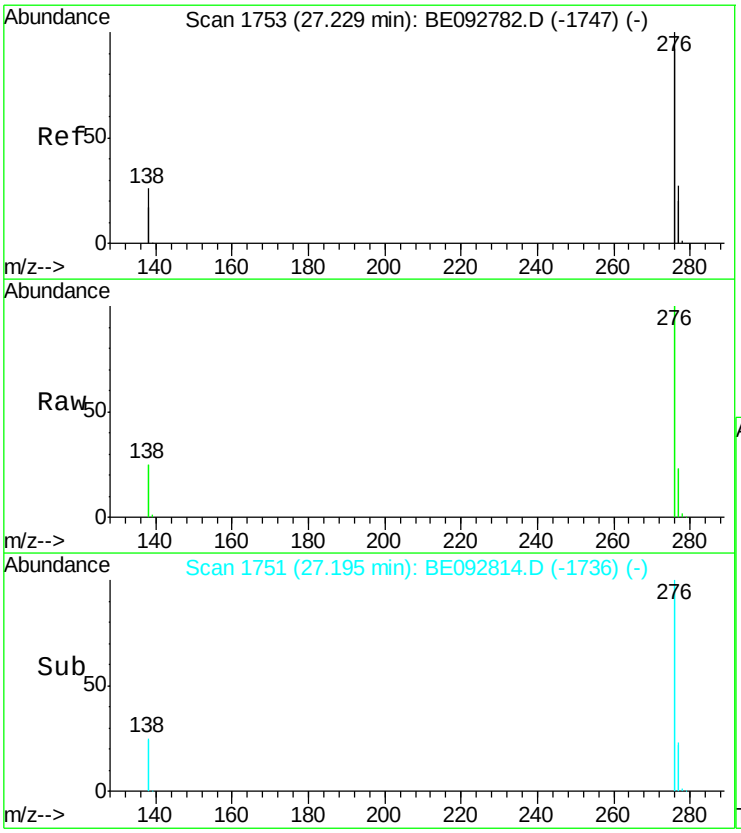
Tgt Ion:278 Resp: 50214

Ion	Ratio	Lower	Upper
278	100		
139	15.5	13.8	20.8
279	24.4	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 3.90 ng
RT: 27.20 min Scan# 1751
Delta R.T. -0.05 min
Lab File: BE092814.D
Acq: 10 Mar 2017 19:13

Tgt Ion:276 Resp: 215826

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.8	29.8
138	25.3	19.8	29.6