Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
Data File : BE092408.D
Acq On : 23 Sep 2016 9:17
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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Quant Time: Sep 23 10:00:49 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	7979	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	38322	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	30589	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	65295	5.00	ng		0.02
24) Chrysene-d12	21.75	240	83643	5.00	ng		0.00
31) Perylene-d12	24.11	264	73271	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	529	0.39	ng		0.00
5) Phenol-d6	7.36	99	789m	0.38	ng		0.00
8) Nitrobenzene-d5	9.36	82	770	0.42	ng		0.00
13) 2,4,6-Tribromophenol	16.33	330	281	0.42	ng		0.01
14) 2-Fluorobiphenyl	13.45	172	2823	0.39	ng		0.00
26) Terphenyl-d14	20.19	244	3994	0.38	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	425	0.39	ng		98
3) n-Nitrosodimethylamine	3.80	42	294	0.41	ng	#	94
6) bis(2-Chloroethyl)ether	7.61	93	529	0.34	ng	#	26
9) Naphthalene	11.01	128	3309	0.40	ng		98
10) Hexachlorobutadiene	11.30	225	515	0.39	ng		99
11) 2-Methylnaphthalene	12.65	142	2179	0.40	ng		94
15) Acenaphthylene	14.53	152	17047	0.38	ng		100
16) Acenaphthene	14.88	154	2806	0.40	ng		98
17) Fluorene	15.87	166	3454	0.39	ng		100
19) Hexachlorobenzene	16.89	284	1095	0.39	ng		99
20) Pentachlorophenol	17.26	266	194	0.36	ng		94
21) Phenanthrene	17.60	178	5825	0.39	ng	#	78
22) Anthracene	17.72	178	5394	0.37	ng		100
23) Fluoranthene	19.61	202	27081	0.38	ng		100
25) Pyrene	19.99	202	27824	0.38	ng		100
27) Benzo(a)anthracene	21.72	228	30643m	0.38	ng		
28) Chrysene	21.77	228	33722m	0.45	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	2285	0.33	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.63	276	28813	0.36	ng		99
32) Benzo(b)fluoranthene	23.38	252	6407	0.36	ng		99
33) Benzo(k)fluoranthene	23.43	252	7394	0.40	ng		96
34) Benzo(a)pyrene	24.01	252	6518	0.37	ng		98
35) Dibenzo(a,h)anthracene	26.65	278	5815	0.36	ng		97
36) Benzo(g,h,i)perylene	27.40	276	26026	0.38	ng		99

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

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Manual Integrations APPROVED
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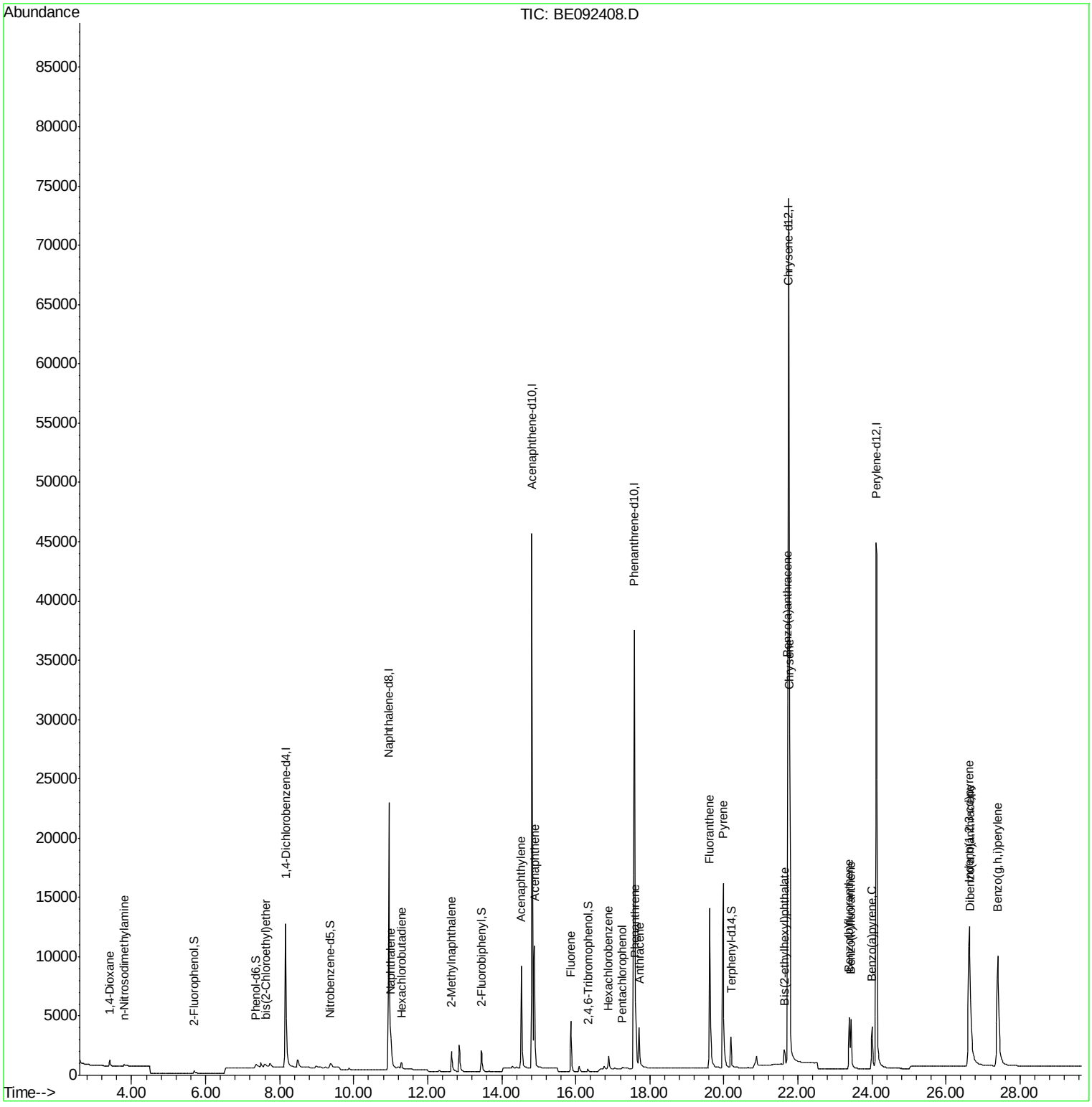
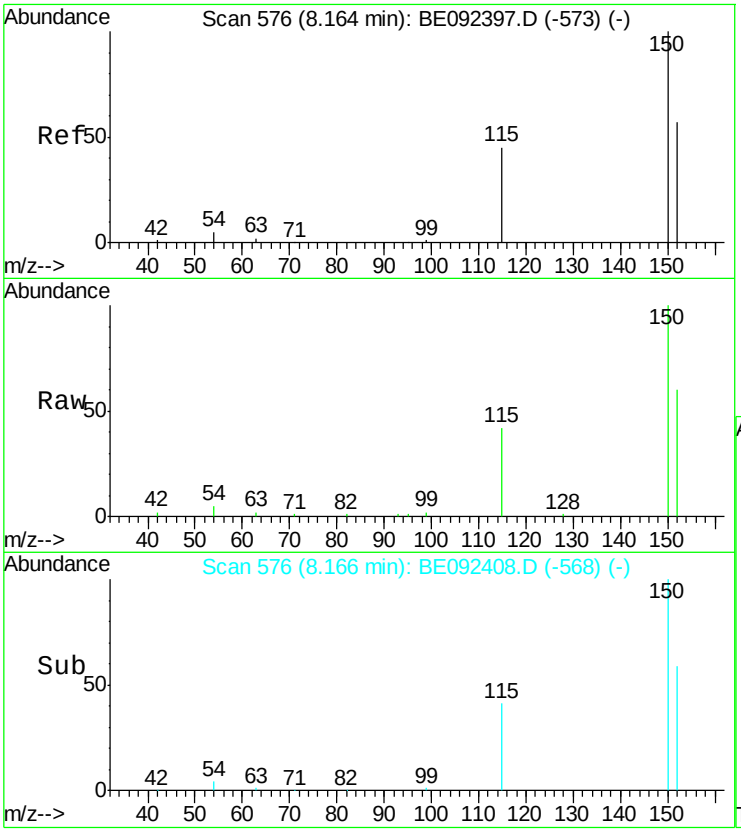
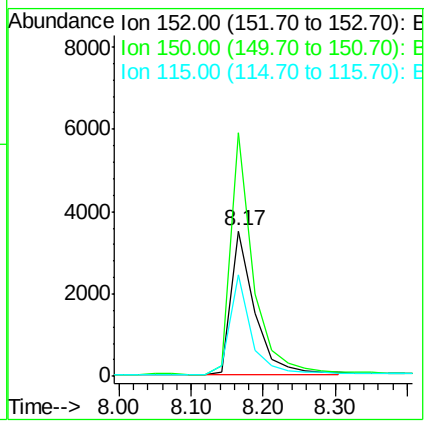




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:152 Resp: 7979

Ion	Ratio	Lower	Upper
152	100		
150	167.7	106.0	159.0#
115	69.8	31.2	46.8#



Instrument :
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SSTDCCC0.4

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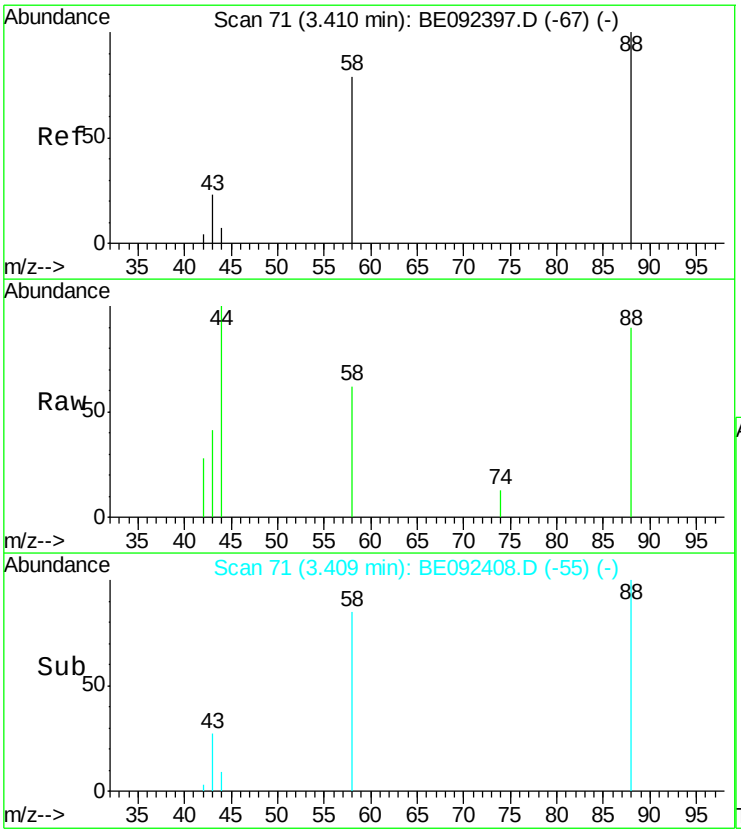
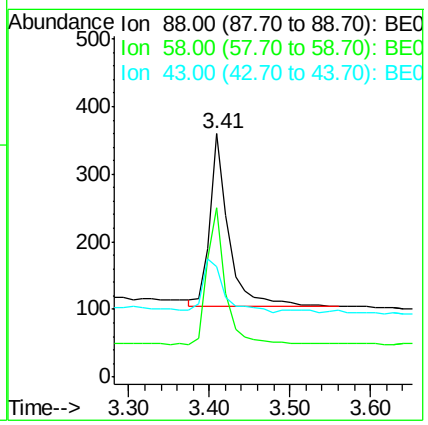
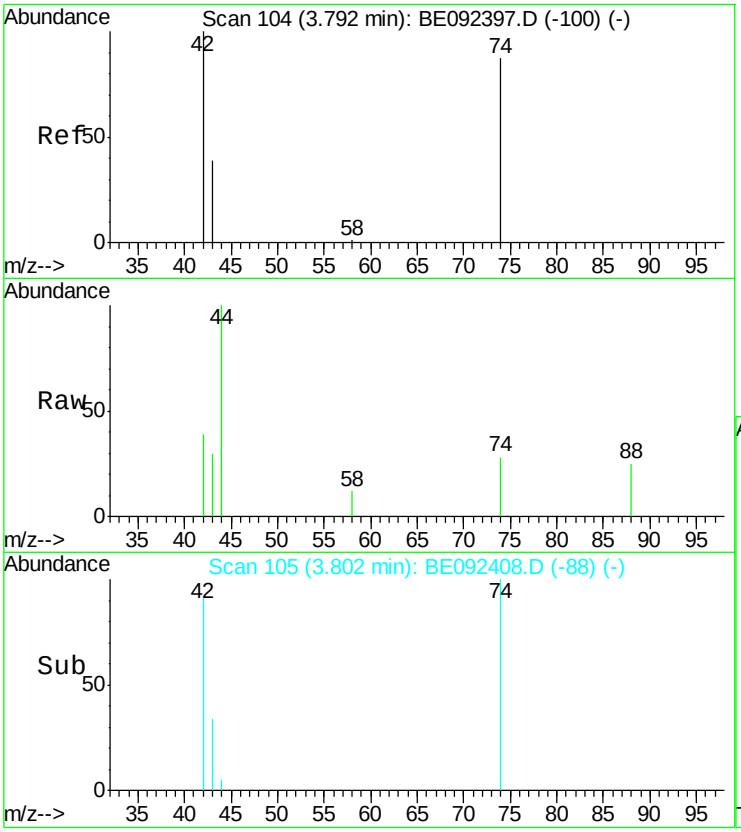


#2
1,4-Dioxane
Concen: 0.39 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion: 88 Resp: 425

Ion	Ratio	Lower	Upper
88	100		
58	77.2	63.6	95.4
43	34.4	28.0	42.0

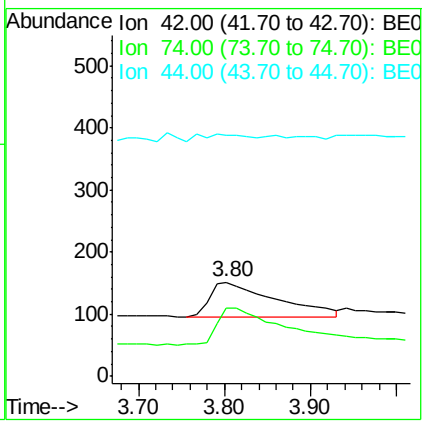




#3
n-Nitrosodimethylamine
Concen: 0.41 ng
RT: 3.80 min Scan# 105
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion: 42 Resp: 294

Ion	Ratio	Lower	Upper
42	100		
74	112.6	86.0	129.0
44	0.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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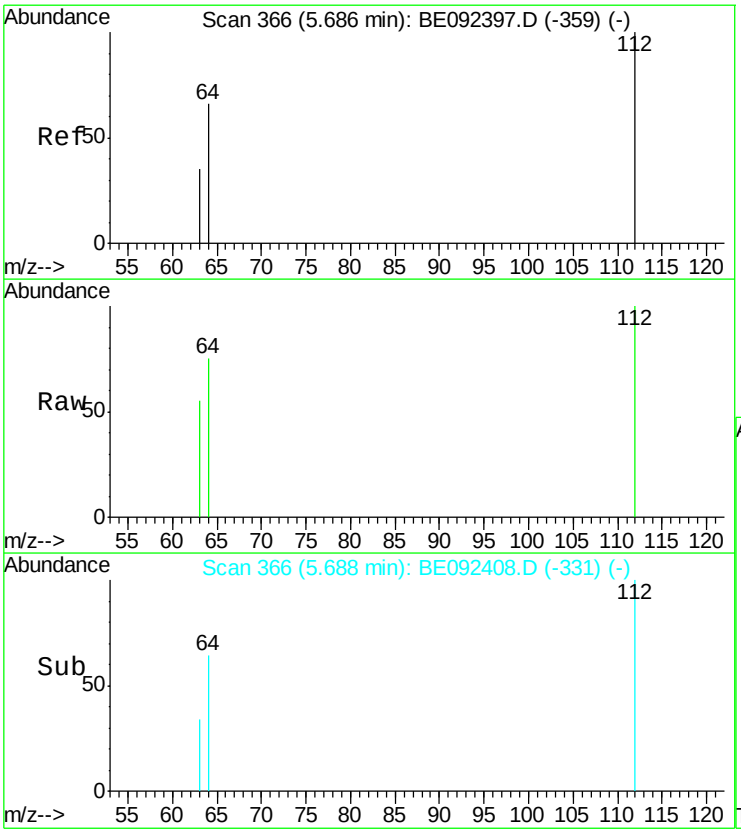
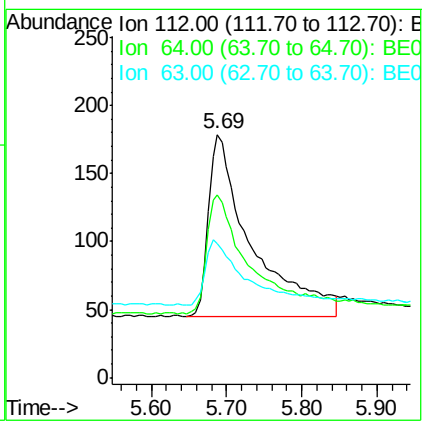
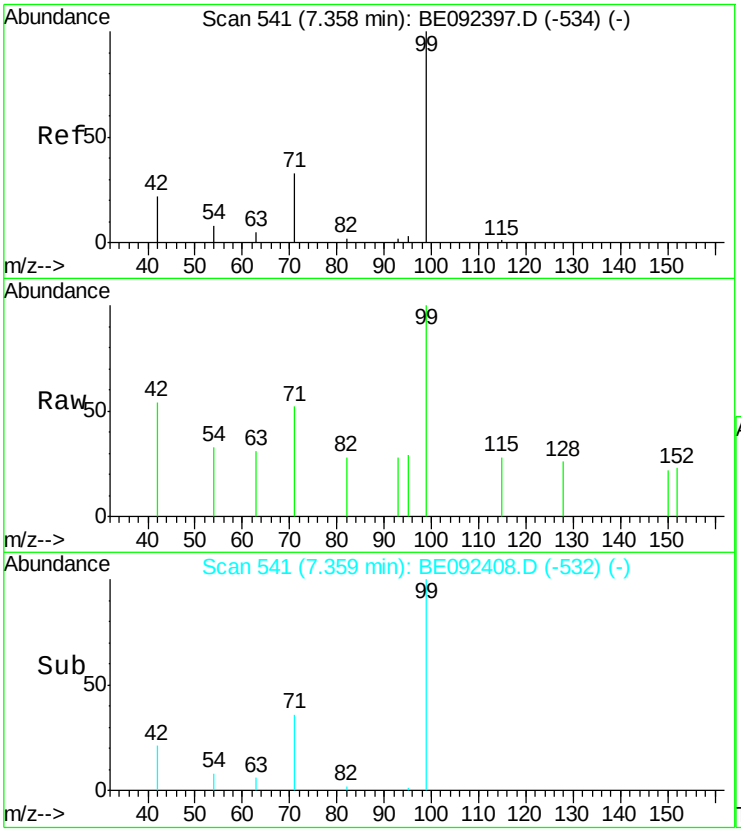


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.69 min Scan# 366
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:112 Resp: 529

Ion	Ratio	Lower	Upper
112	100		
64	61.8	53.5	80.3
63	35.7	27.9	41.9





#5
Phenol-d6
Concen: 0.38 ng m
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion: 99 Resp: 789

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.0	24.0
71	29.7	30.6	45.8#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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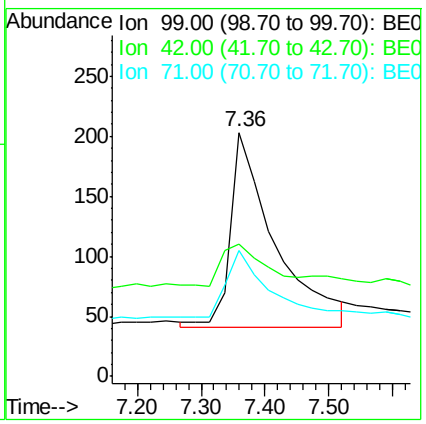
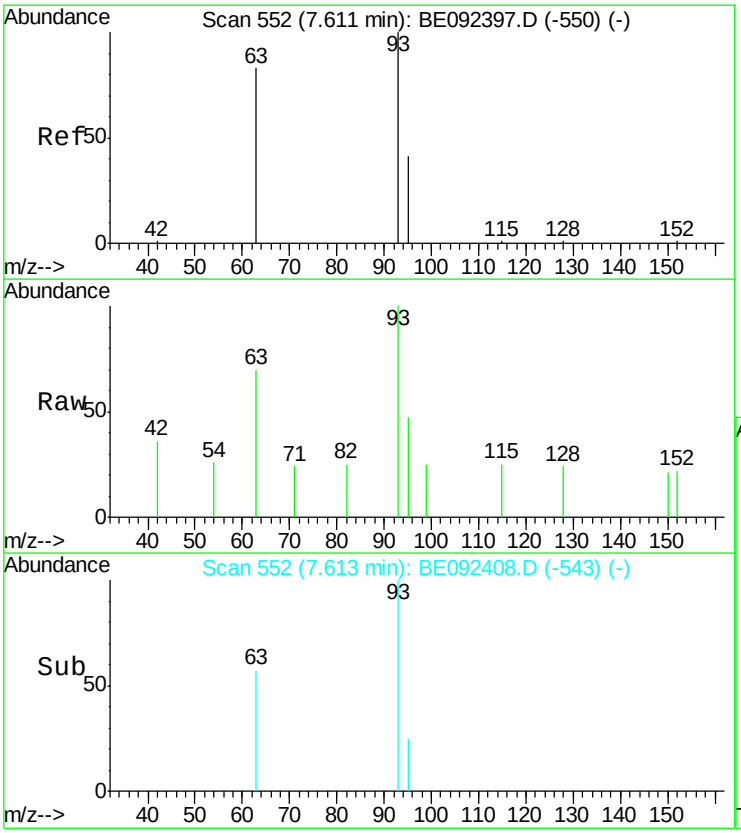
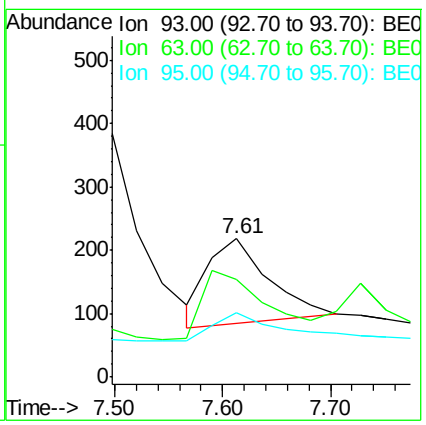


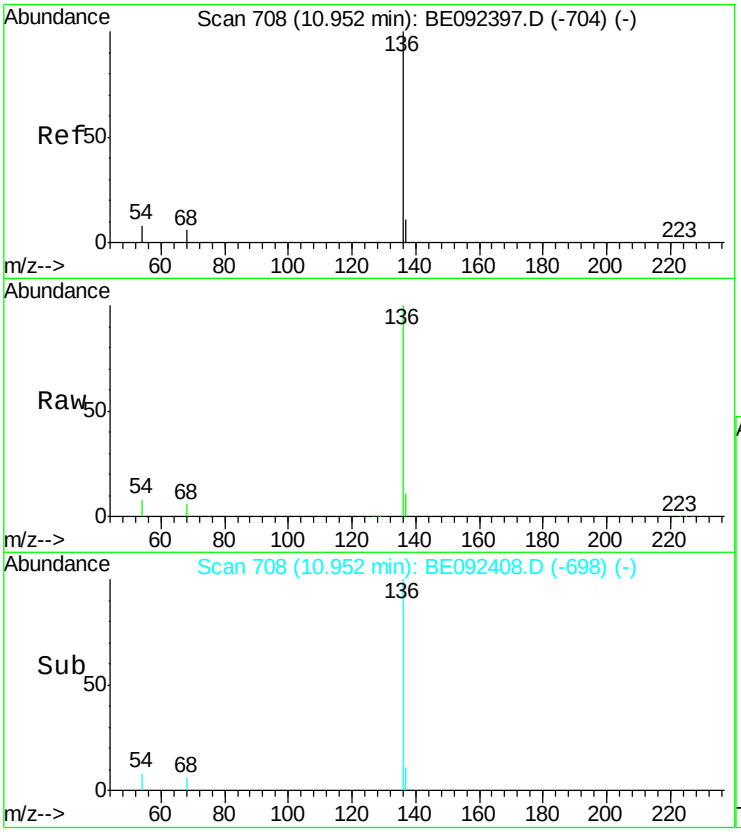


#6
bis(2-Chloroethyl)ether
Concen: 0.34 ng
RT: 7.61 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion: 93 Resp: 529

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	36.1	24.0	36.0#

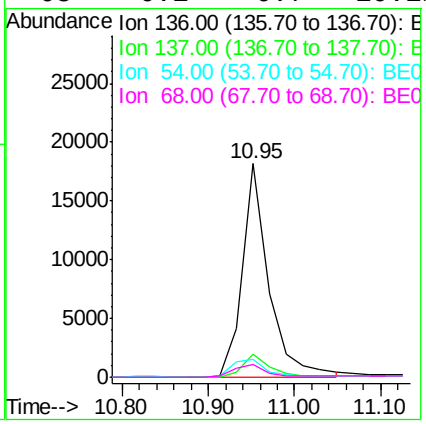




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:136 Resp: 38322

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	8.1	9.6	14.4#
68	6.1	6.7	10.1#



Instrument :
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ClientSampleId :
SSTDCCC0.4

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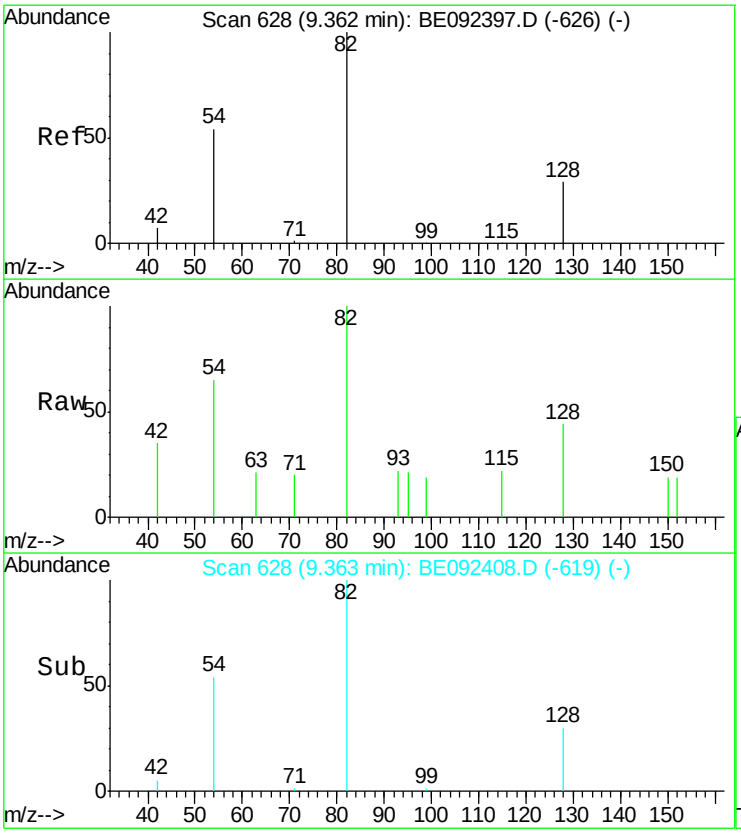
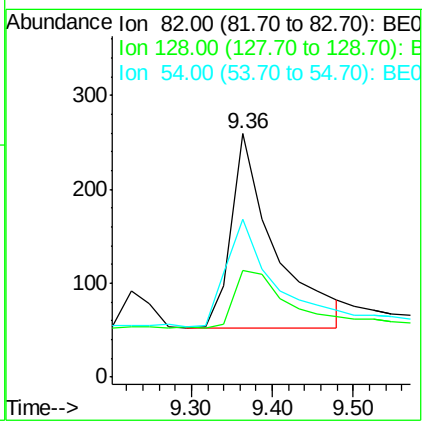
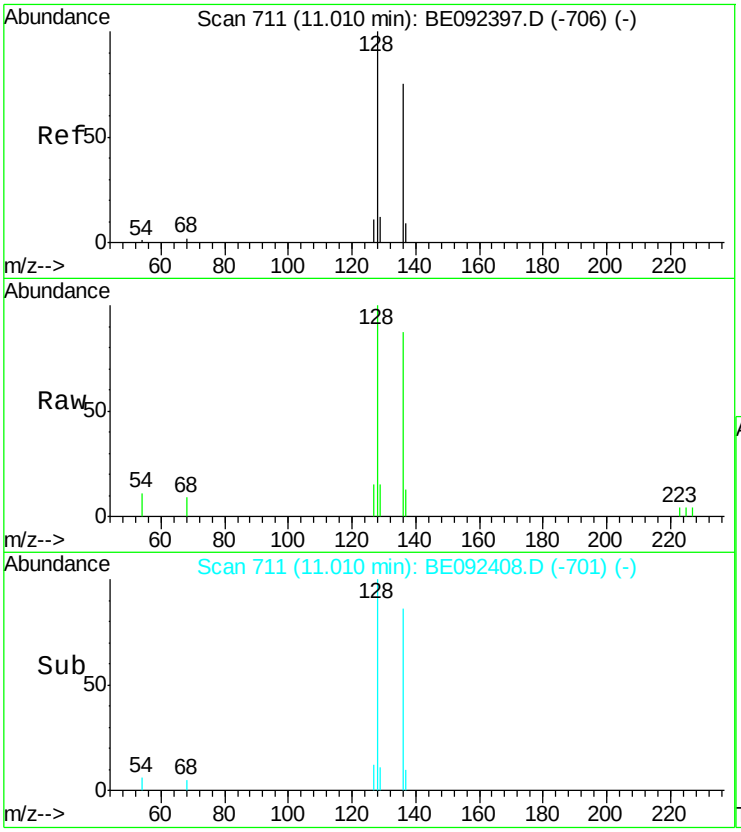


#8
Nitrobenzene-d5
Concen: 0.42 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion: 82 Resp: 770

Ion	Ratio	Lower	Upper
82	100		
128	43.6	39.0	58.4
54	64.9	44.8	67.2

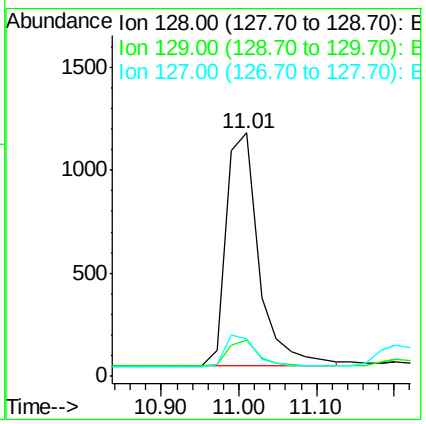




#9
Naphthalene
Concen: 0.40 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:128 Resp: 3309

Ion	Ratio	Lower	Upper
128	100		
129	15.0	11.2	16.8
127	15.4	11.6	17.4



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ClientSampleId :
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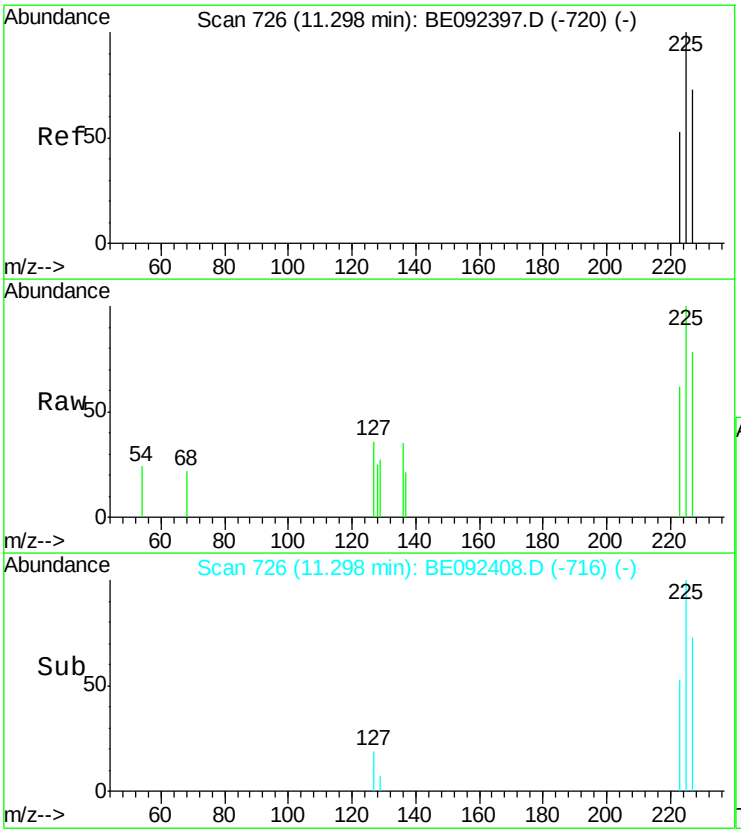
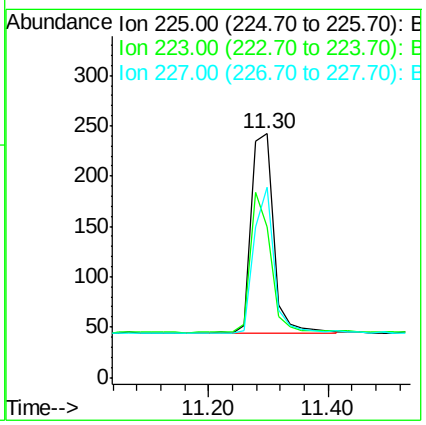
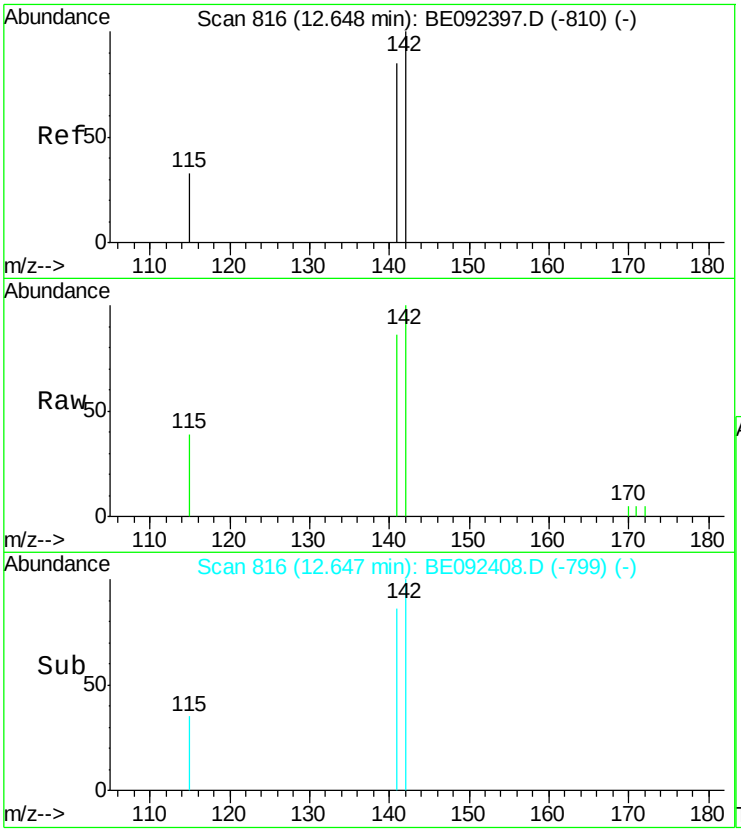


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:225 Resp: 515

Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.6	76.0
227	64.9	51.4	77.0

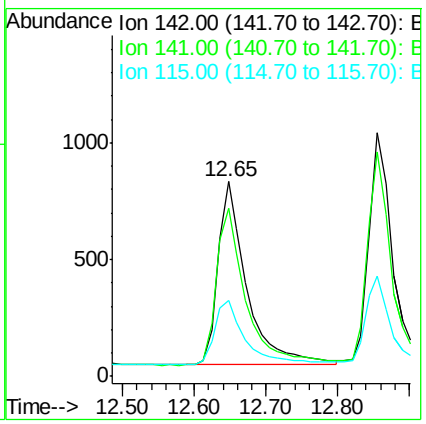




#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.65 min Scan# 816
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:142 Resp: 2179

Ion	Ratio	Lower	Upper
142	100		
141	86.3	73.7	110.5
115	38.8	34.0	51.0



Instrument :
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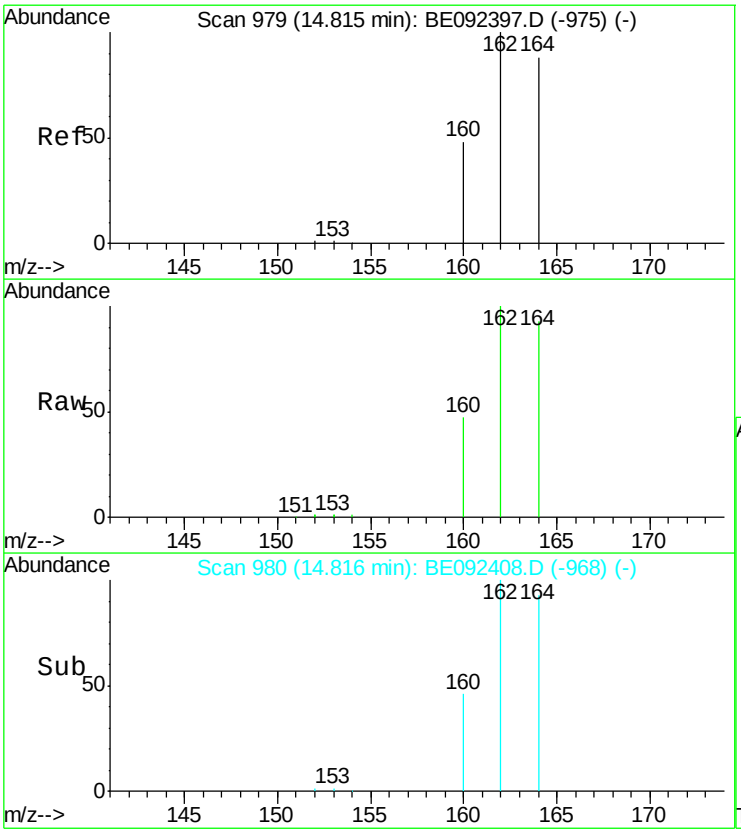
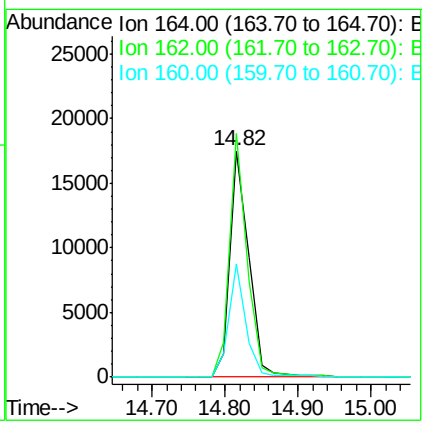
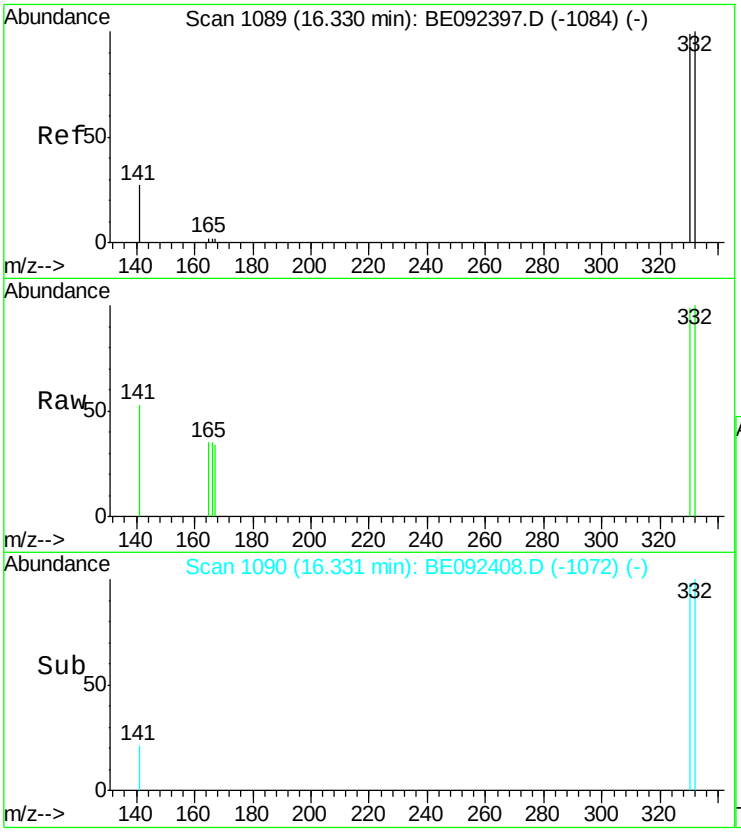


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:164 Resp: 30589

Ion	Ratio	Lower	Upper
164	100		
162	107.7	71.4	107.0#
160	50.1	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.42 ng
RT: 16.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:330 Resp: 281

Ion	Ratio	Lower	Upper
330	100		
332	95.0	75.4	113.0
141	40.9	31.0	46.6

Instrument :
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ClientSampleId :
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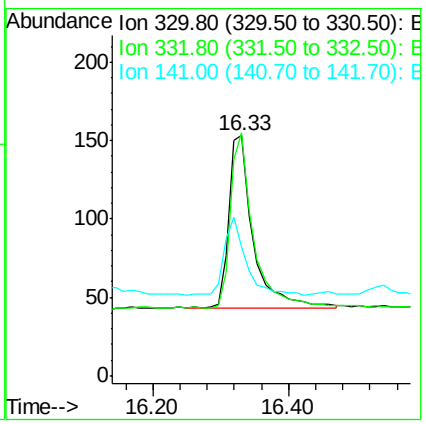
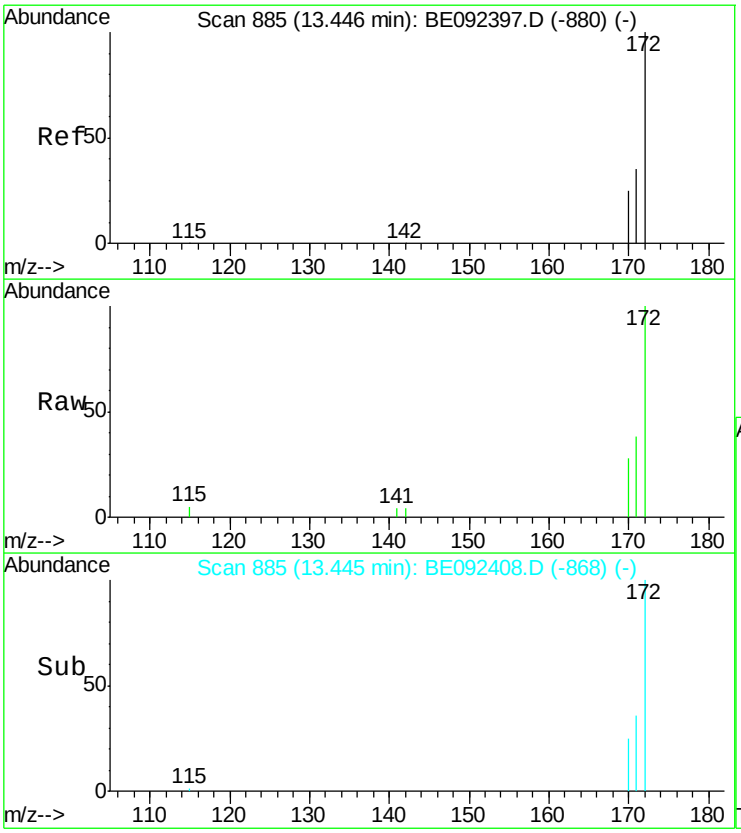
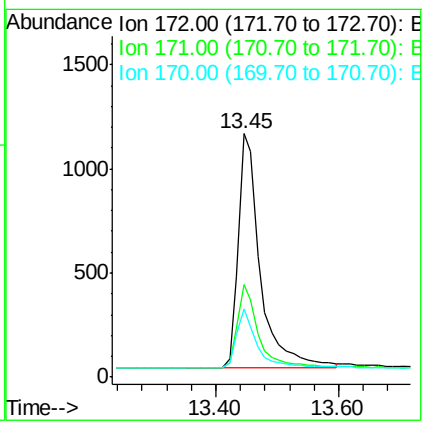


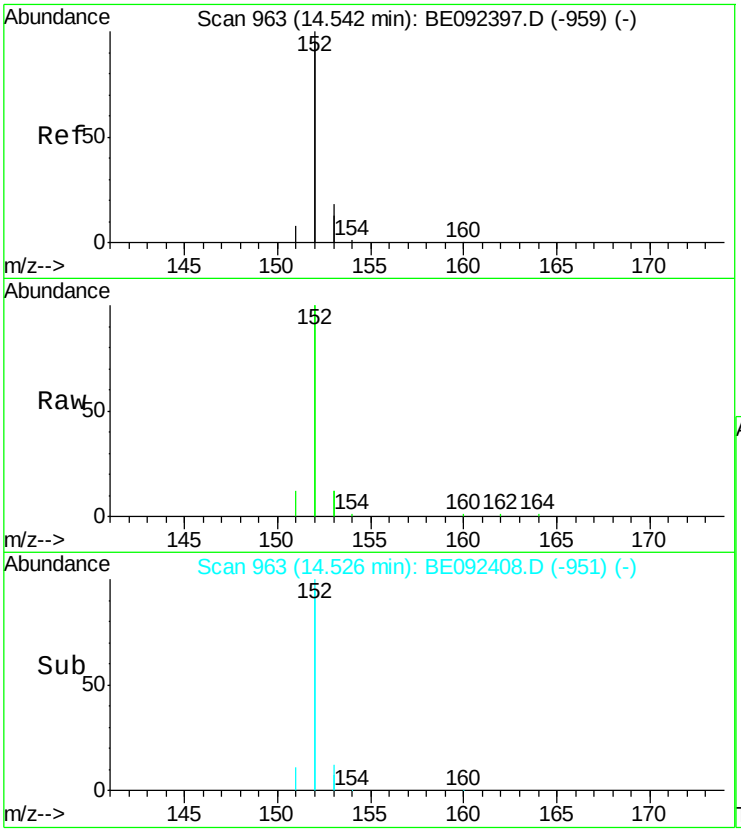


#14
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.45 min Scan# 885
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:172 Resp: 2823

Ion	Ratio	Lower	Upper
172	100		
171	38.2	30.1	45.1
170	27.9	21.8	32.6

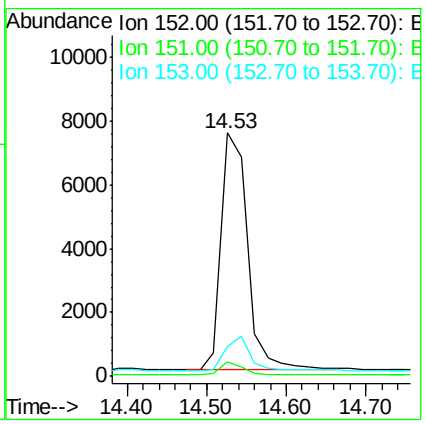




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:152 Resp: 17047

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



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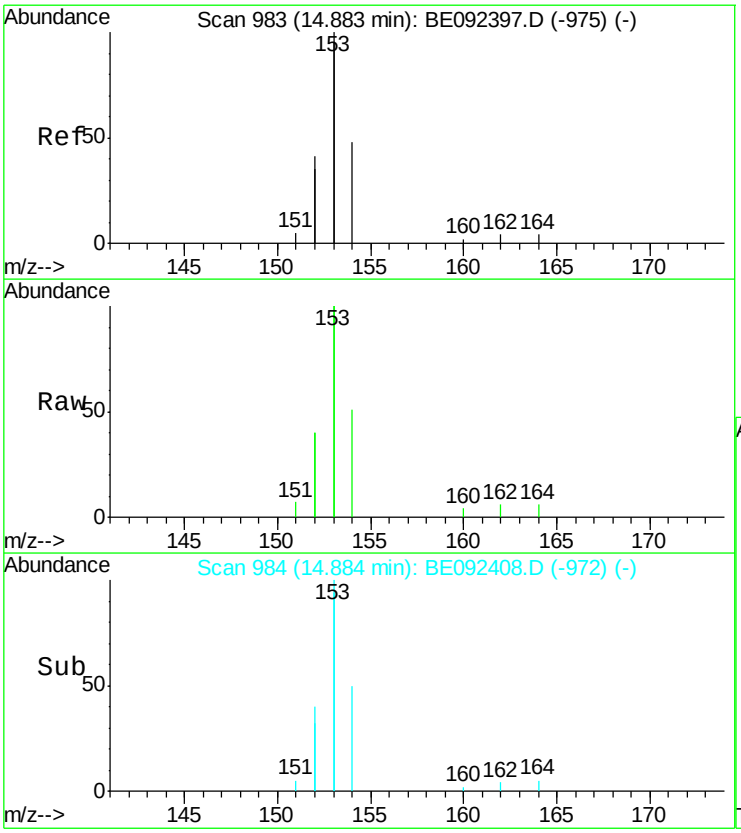
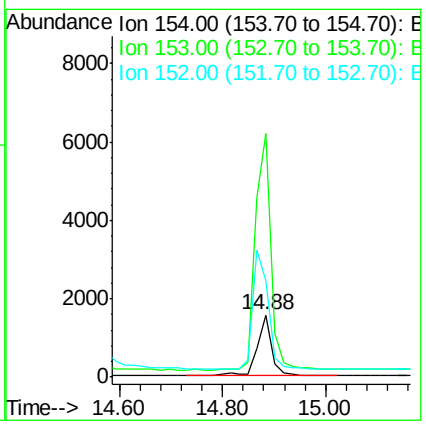
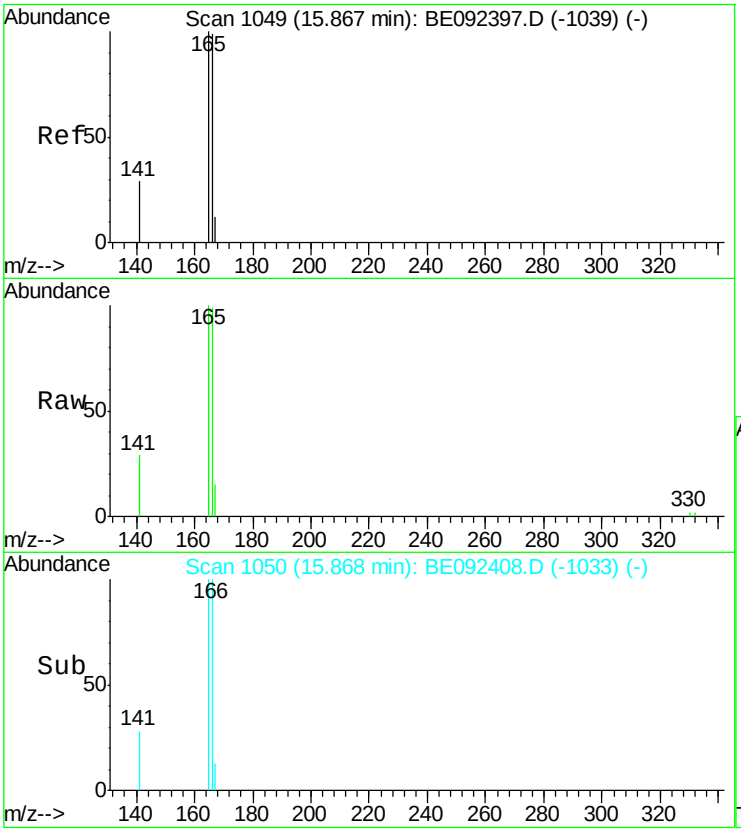


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:154 Resp: 2806

Ion	Ratio	Lower	Upper
154	100		
153	434.2	350.8	526.2
152	217.5	171.1	256.7





#17
Fluorene
Concen: 0.39 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:166 Resp: 3454

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.2	117.4
167	13.3	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
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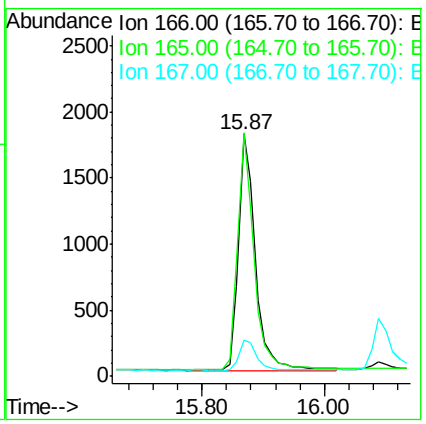
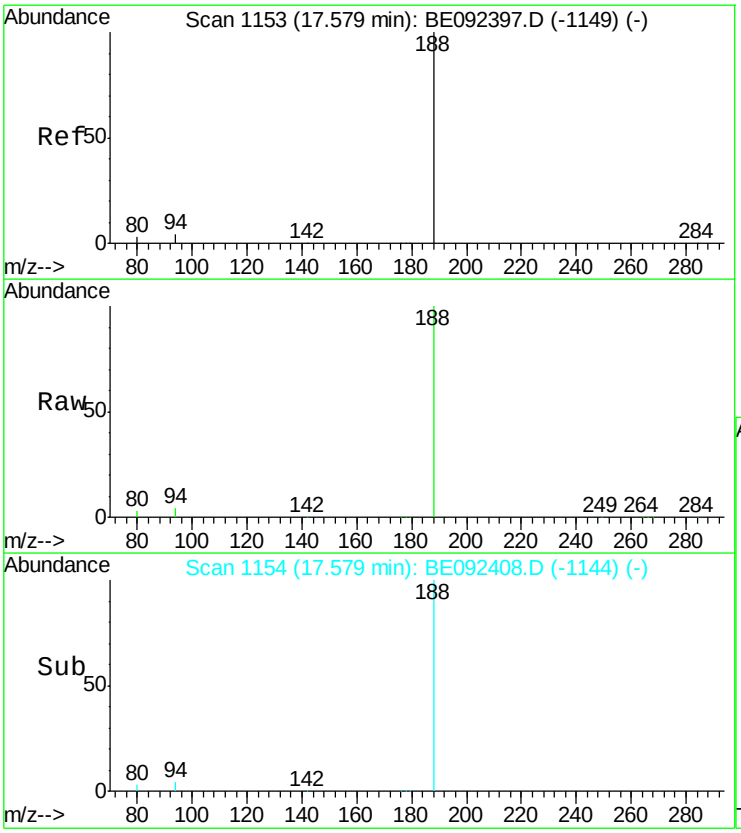
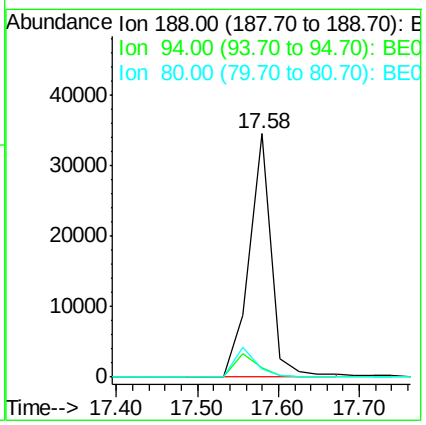


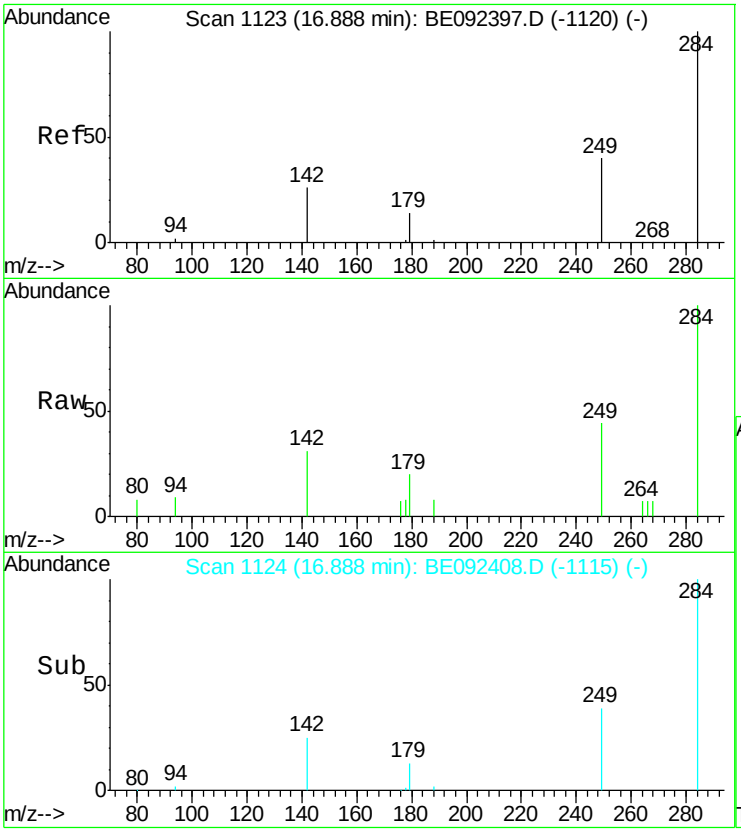


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:188 Resp: 65295

Ion	Ratio	Lower	Upper
188	100		
94	3.8	3.2	4.8
80	3.3	2.6	3.8

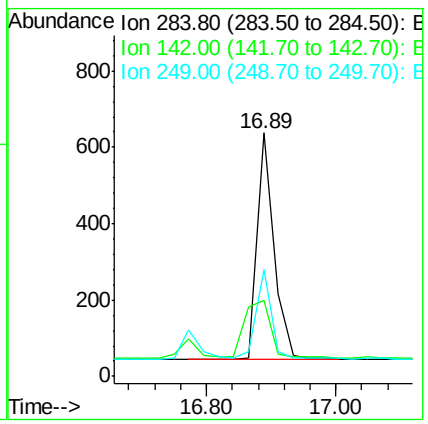




#19
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:284 Resp: 1095

Ion	Ratio	Lower	Upper
284	100		
142	37.5	29.1	43.7
249	35.0	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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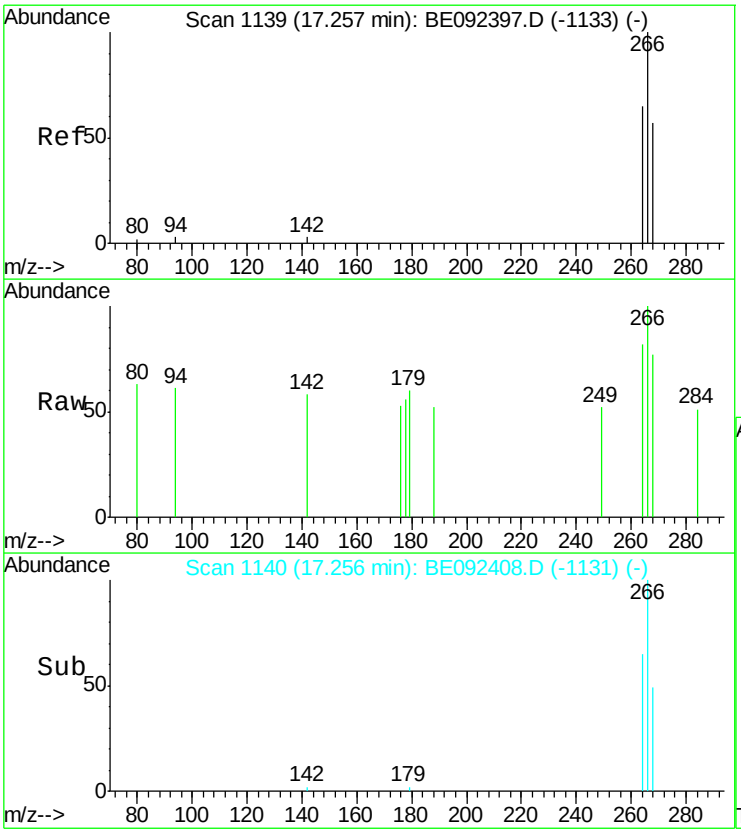
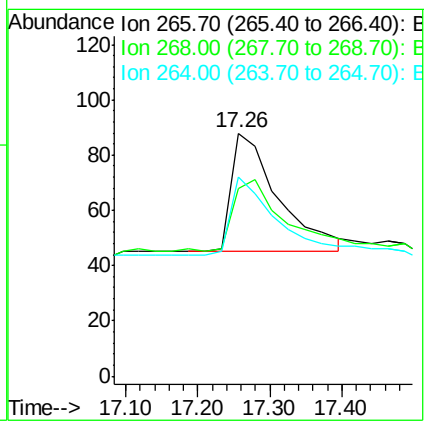
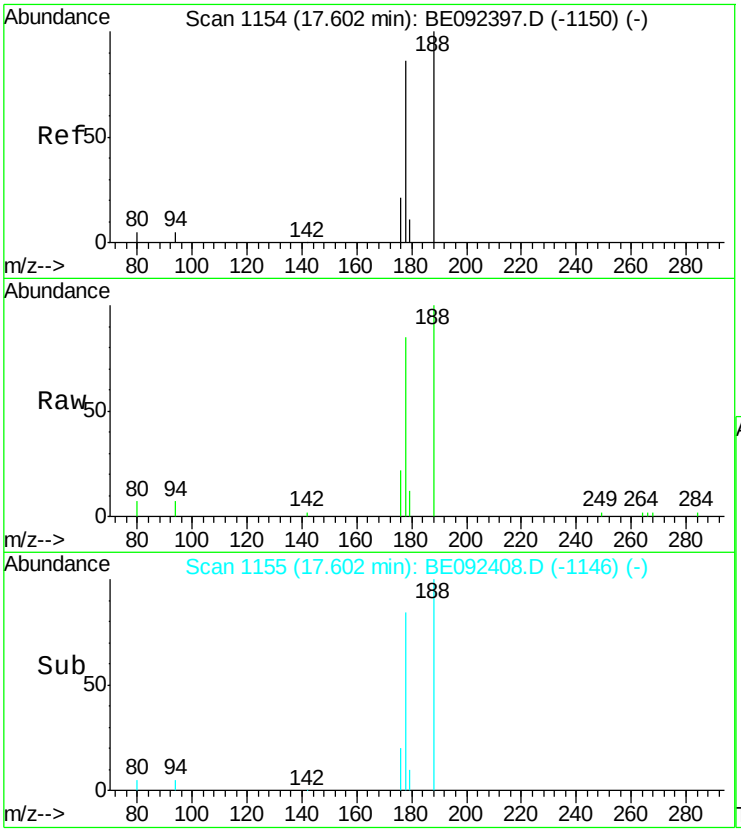


#20
Pentachlorophenol
Concen: 0.36 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:266 Resp: 194

Ion	Ratio	Lower	Upper
266	100		
268	77.3	62.5	93.7
264	81.8	57.2	85.8

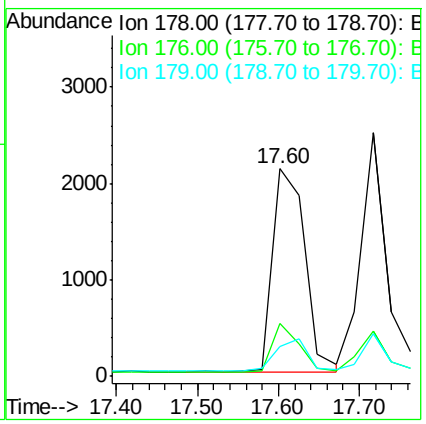




#21
Phenanthrene
Concen: 0.39 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:178 Resp: 5825

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	0.0	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
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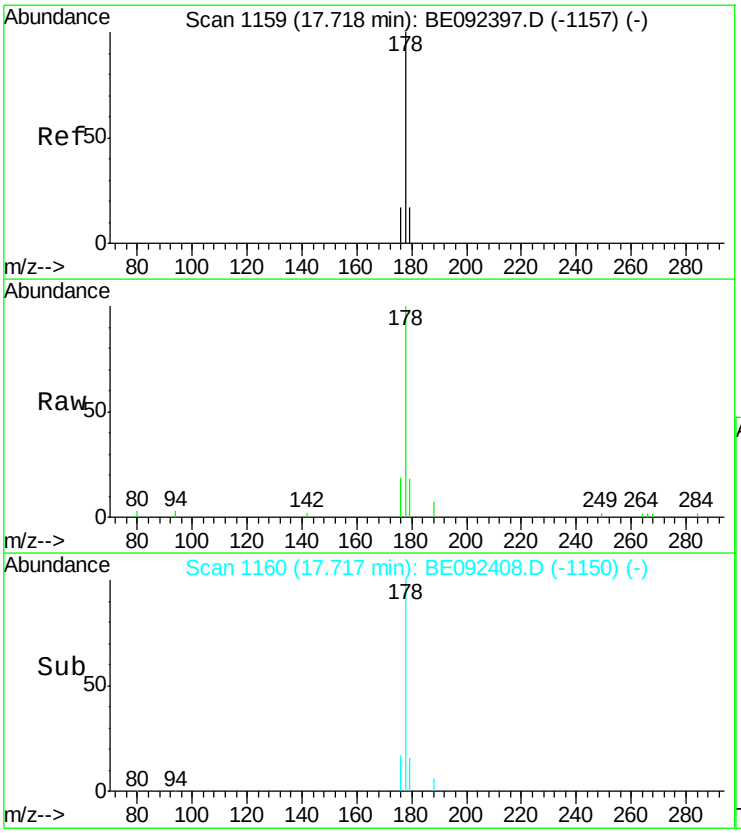
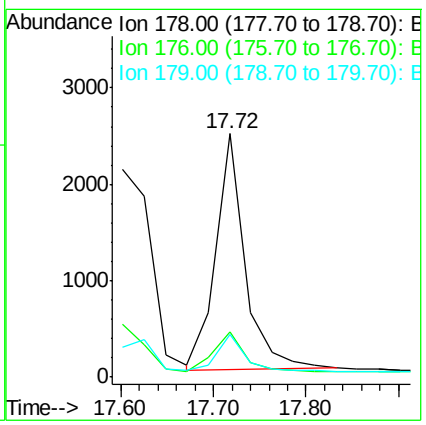
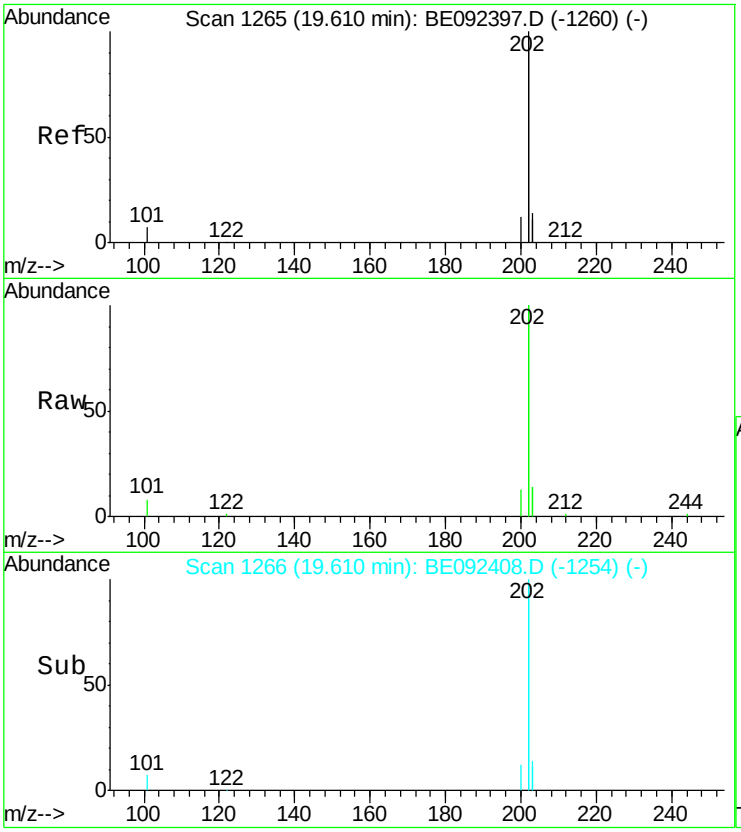


#22
Anthracene
Concen: 0.37 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:178 Resp: 5394

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	14.9	12.2	18.2

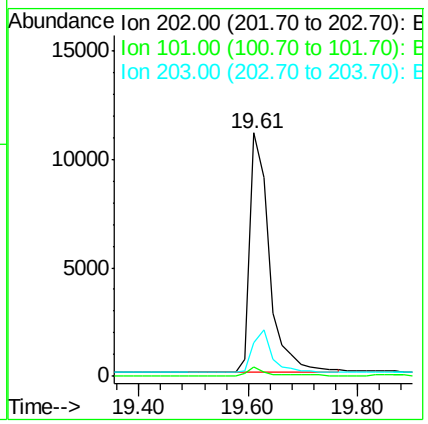




#23
Fluoranthene
Concen: 0.38 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:202 Resp: 27081

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.2	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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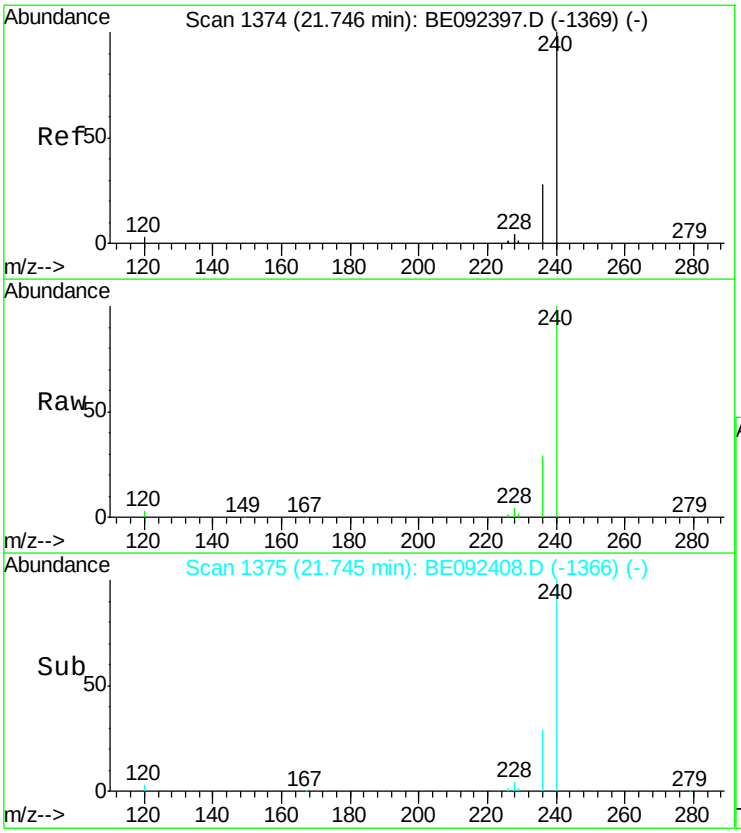
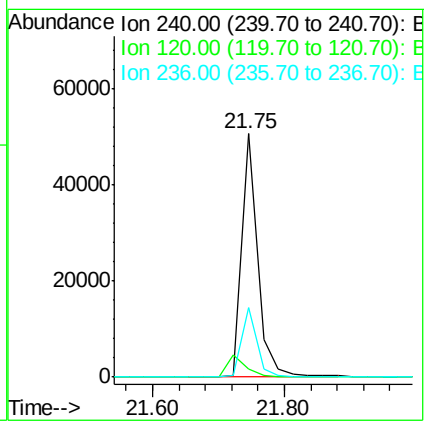
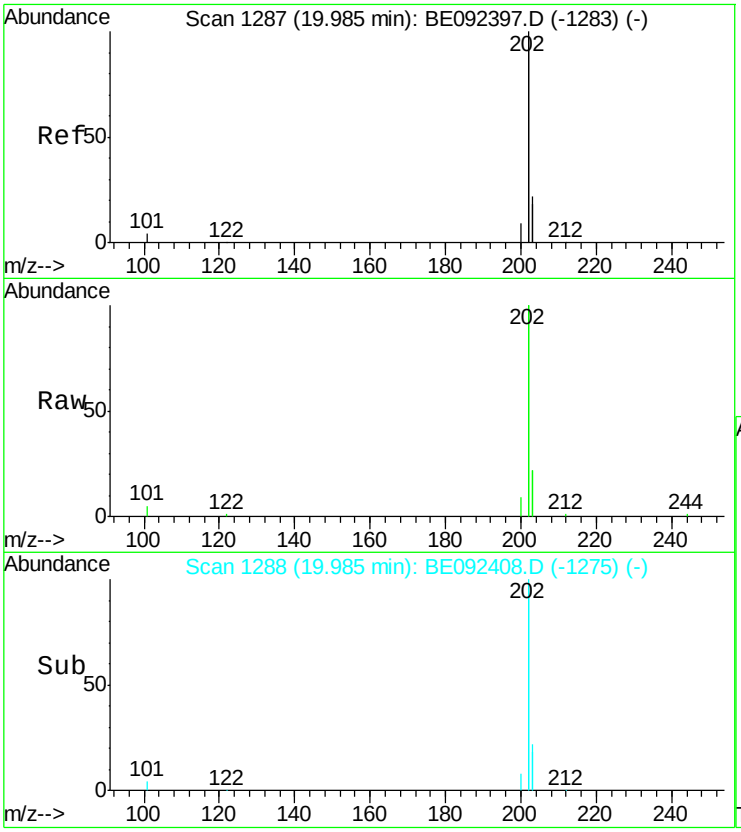


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:240 Resp: 83643

Ion	Ratio	Lower	Upper
240	100		
120	3.4	2.6	4.0
236	28.8	24.6	37.0

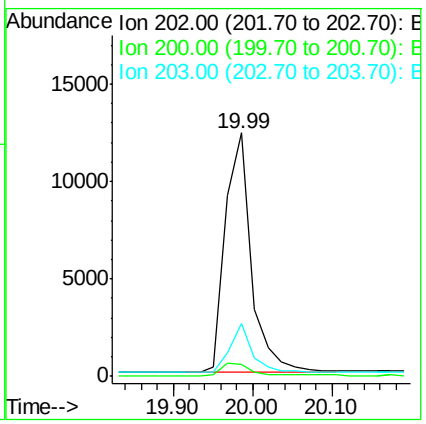




#25
Pyrene
Concen: 0.38 ng
RT: 19.99 min Scan# 1288
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:202 Resp: 27824

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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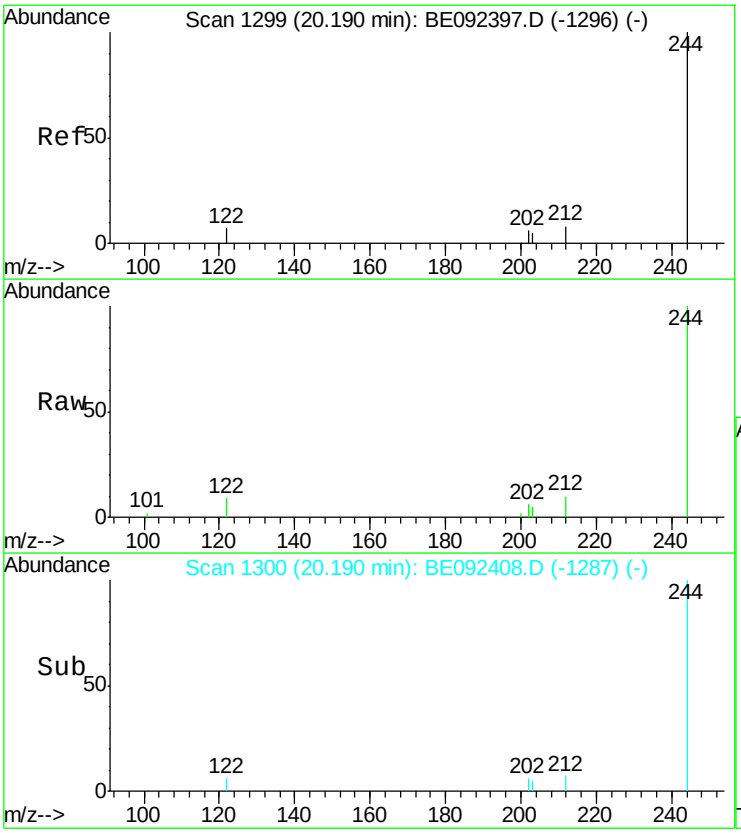
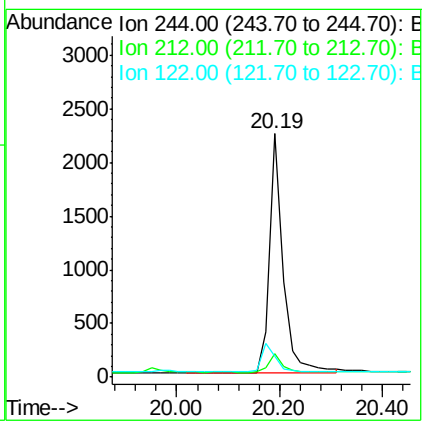
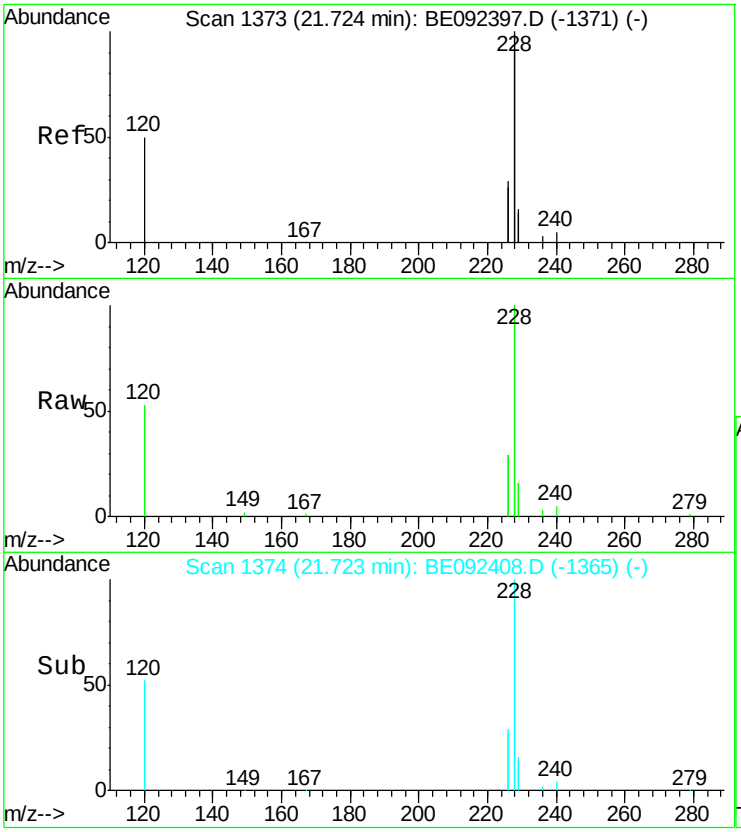


#26
Terphenyl-d14
Concen: 0.38 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:244 Resp: 3994

Ion	Ratio	Lower	Upper
244	100		
212	9.6	6.7	10.1
122	8.8	3.6	5.4#

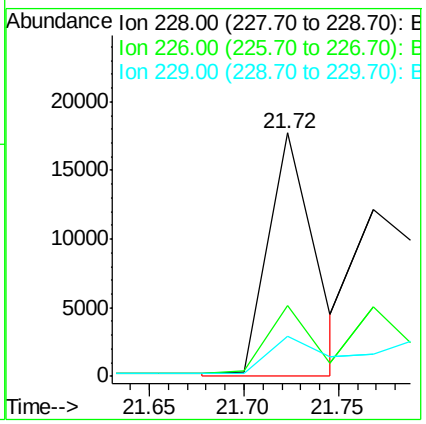




#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:228 Resp: 30643

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.6	35.4
229	16.5	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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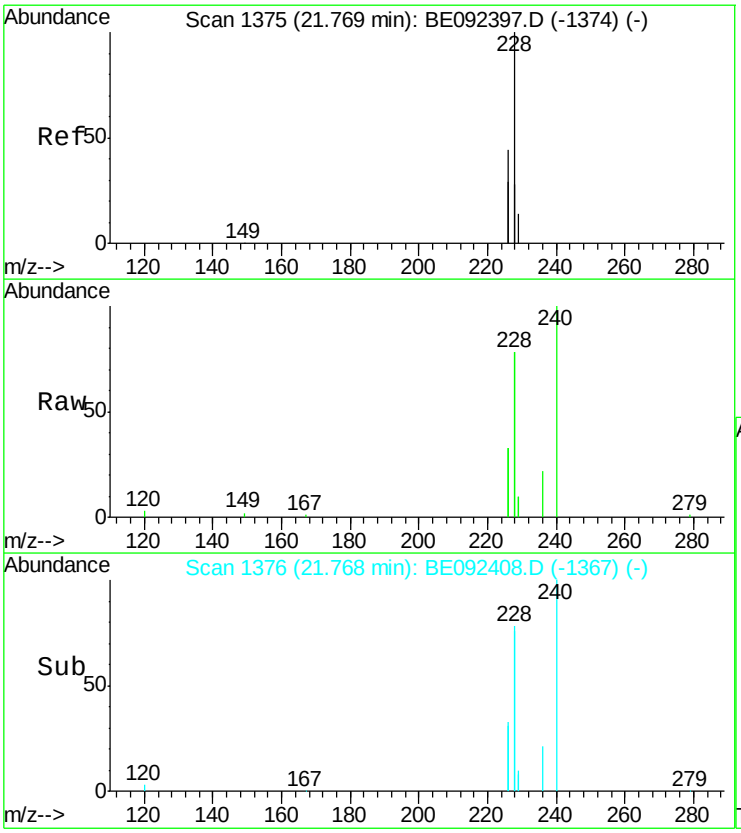
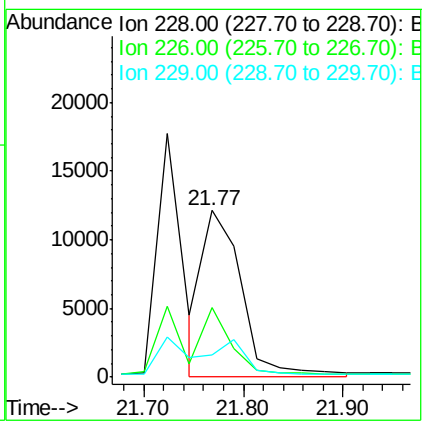
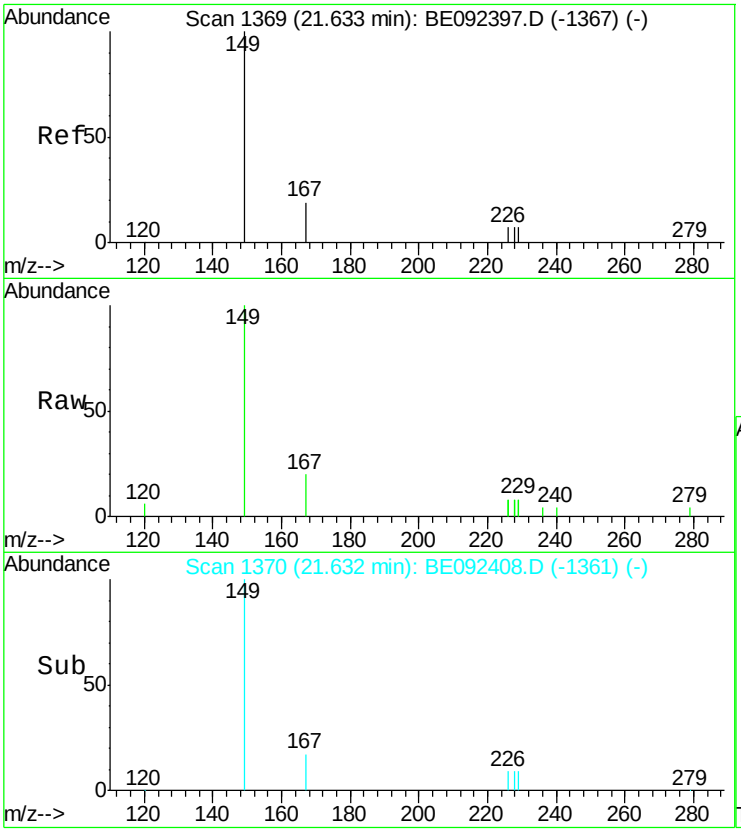


#28
Chrysene
Concen: 0.45 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:228 Resp: 33722

Ion	Ratio	Lower	Upper
228	100		
226	42.2	36.3	54.5
229	13.1	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.33 ng
RT: 21.63 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Instrument :
BNA_E
ClientSampleId :
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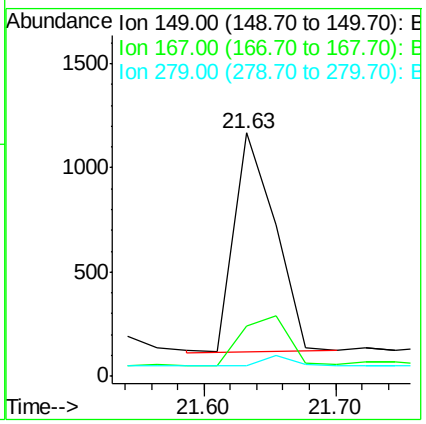
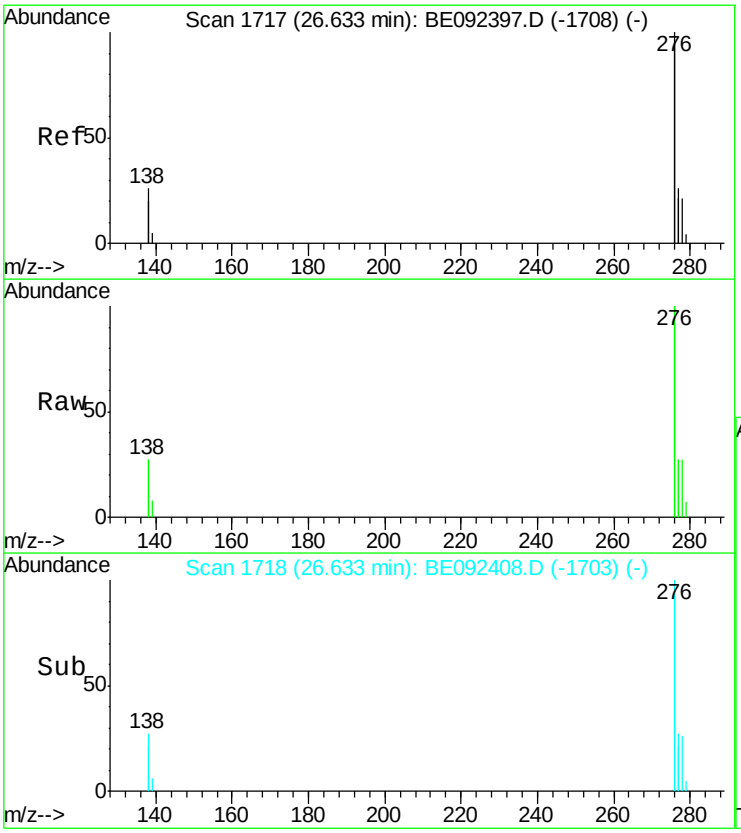
Tgt Ion:149 Resp: 2285

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

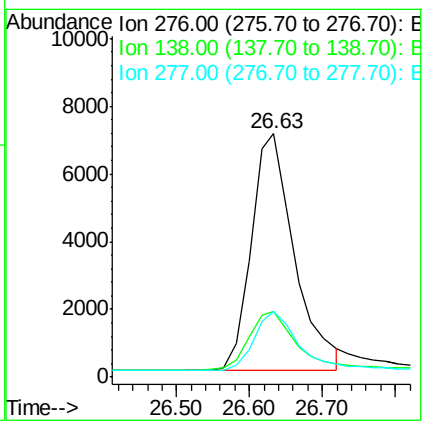


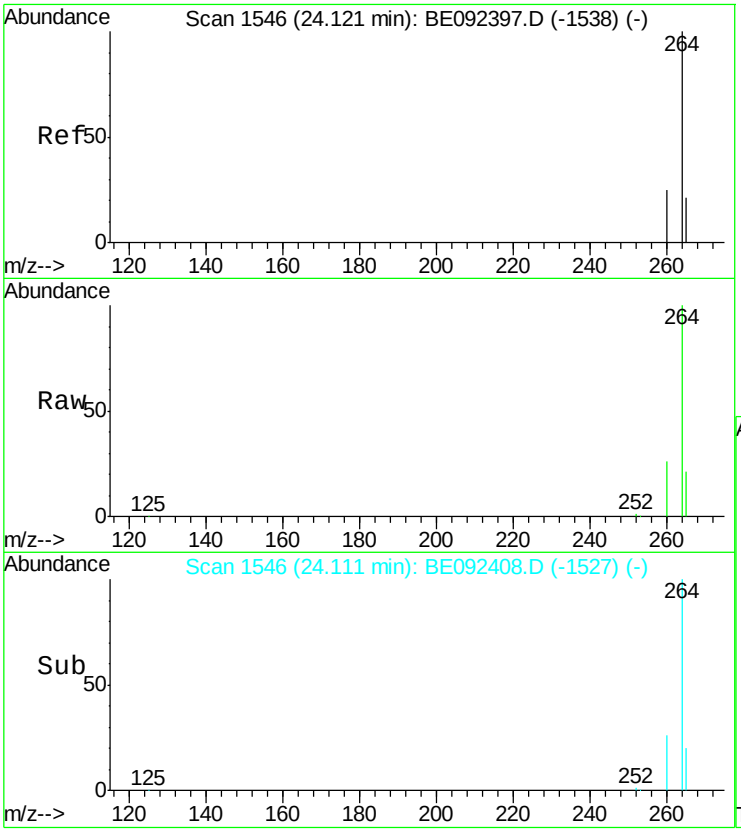


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.05 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:276 Resp: 28813

Ion	Ratio	Lower	Upper
276	100		
138	26.4	20.3	30.5
277	24.5	19.7	29.5

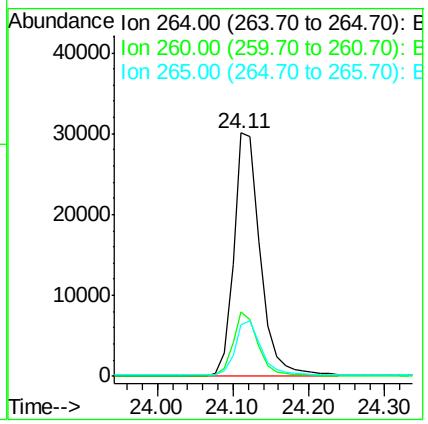




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:264 Resp: 73271

Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.1	30.1
265	21.1	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
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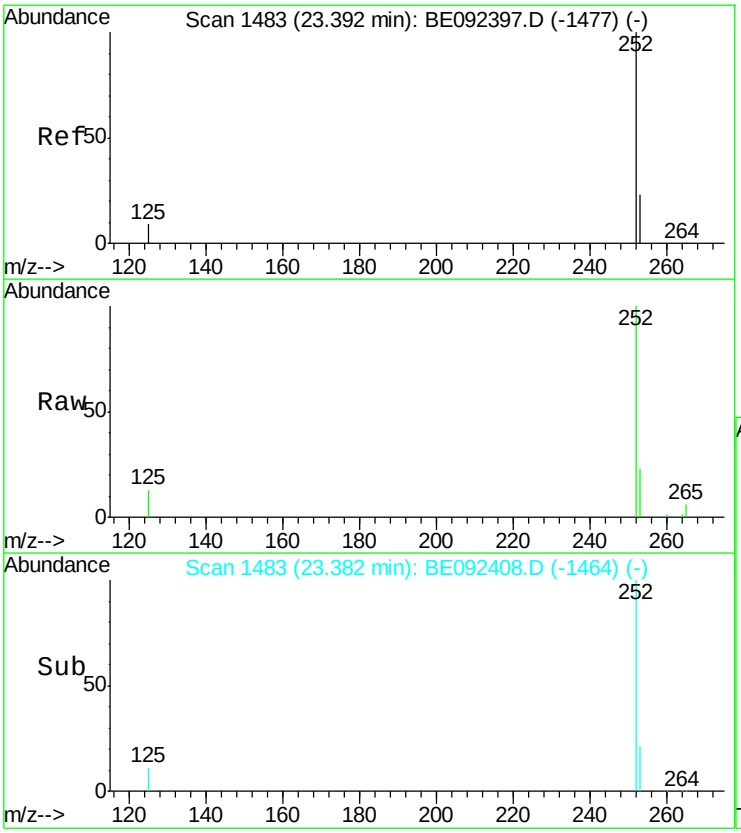
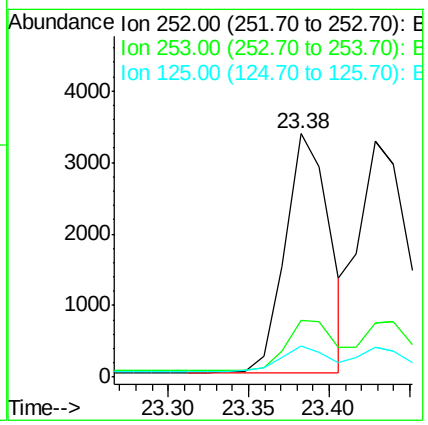
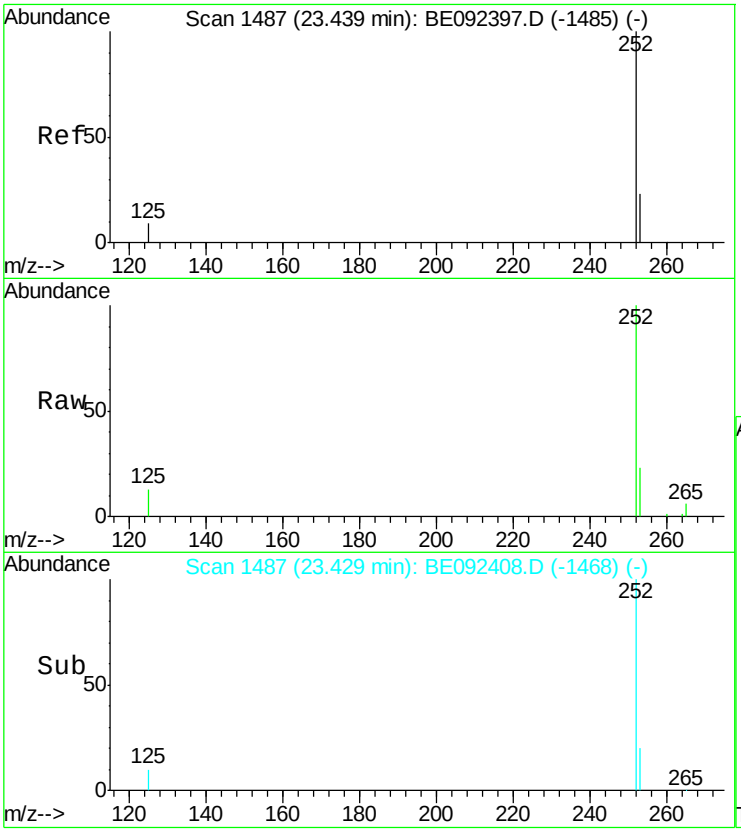


#32
Benzo(b)fluoranthene
Concen: 0.36 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:252 Resp: 6407

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	12.9	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:252 Resp: 7394

Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.3	30.5
125	12.6	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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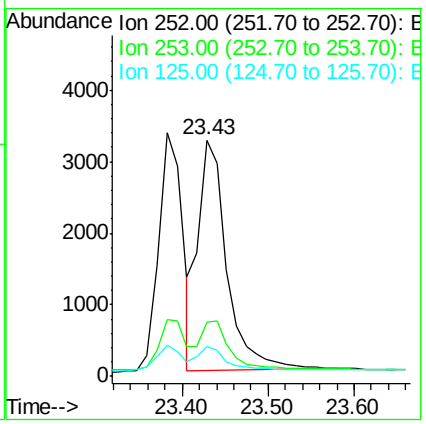
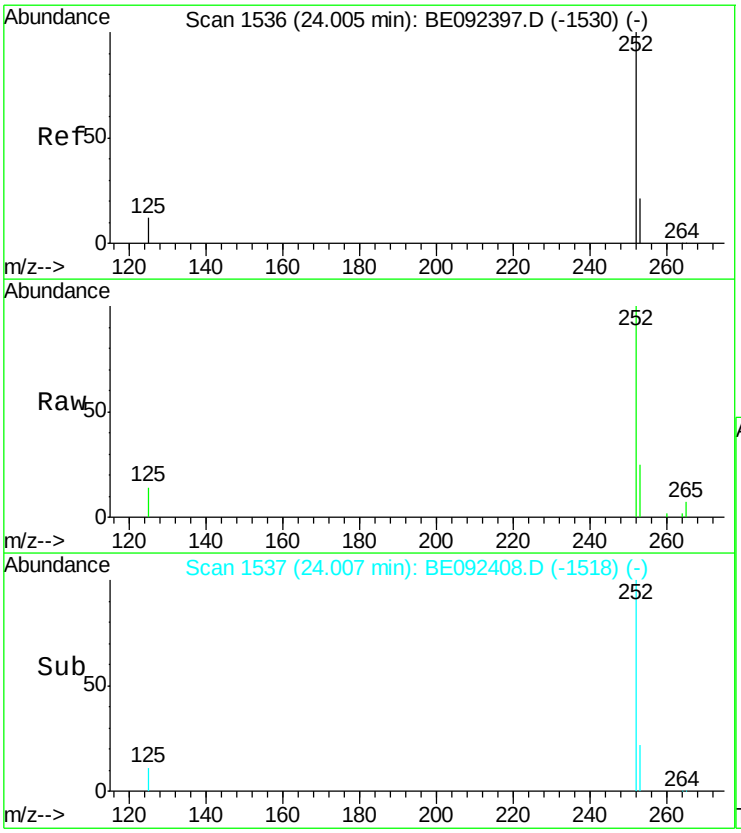
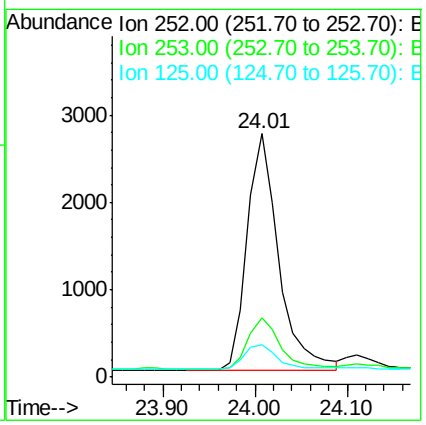


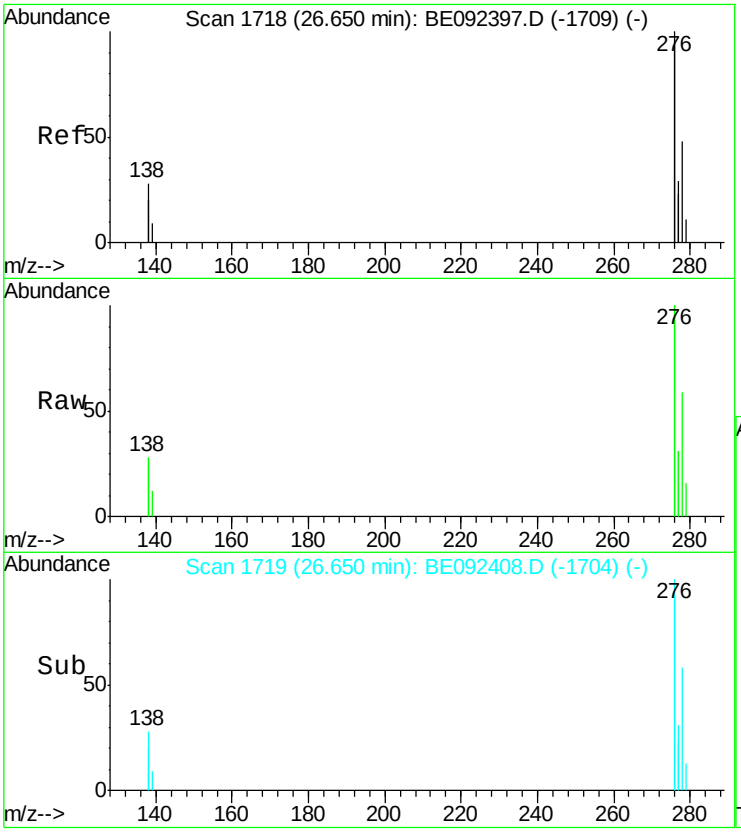


#34
Benzo(a)pyrene
Concen: 0.37 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:252 Resp: 6518

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.6
125	13.5	11.8	17.8

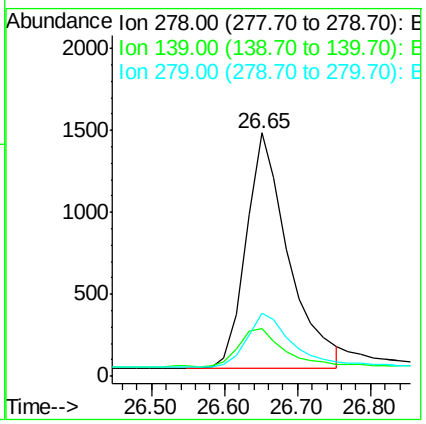




#35
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:278 Resp: 5815

Ion	Ratio	Lower	Upper
278	100		
139	19.7	13.8	20.8
279	26.1	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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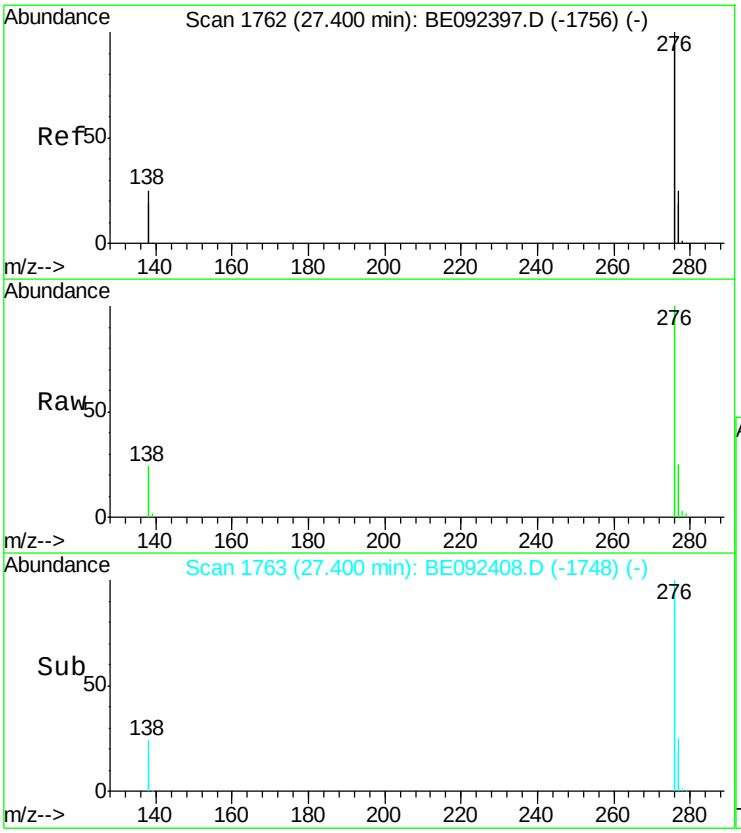

#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092408.D
Acq: 23 Sep 2016 9:17

Tgt Ion:276 Resp: 26026

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.8	29.8
138	24.1	19.8	29.6