Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
Data File : BE092405.D
Acq On : 22 Sep 2016 20:54
Operator : UM/SJ
Sample : PB93406BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 23 03:41:52 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

Instrument : BNA_E
ClientSampleId : PB93406BS

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12525	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	56733	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	33329	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	71102	5.00	ng		0.02
24) Chrysene-d12	21.75	240	107167	5.00	ng		0.00
31) Perylene-d12	24.12	264	102249	5.00	ng		0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.67	112	19637	6.66	ng		-0.02
5) Phenol-d6	7.34	99	26355	6.27	ng		-0.02
8) Nitrobenzene-d5	9.34	82	12301	3.07	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	7569	6.44	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	28826	3.65	ng		-0.01
26) Terphenyl-d14	20.17	244	41159	3.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	3863	2.83	ng	#	84
3) n-Nitrosodimethylamine	3.76	42	6277	3.23	ng	#	97
6) bis(2-Chloroethyl)ether	7.59	93	10125	3.09	ng	#	26
9) Naphthalene	10.99	128	36309	2.96	ng	#	95
10) Hexachlorobutadiene	11.28	225	5709	2.95	ng		99
11) 2-Methylnaphthalene	12.62	142	25317	3.11	ng	#	92
15) Acenaphthylene	14.53	152	171535	3.55	ng		100
16) Acenaphthene	14.88	154	25745	3.41	ng		94
17) Fluorene	15.87	166	33880	3.54	ng		100
19) Hexachlorobenzene	16.89	284	9930	3.26	ng	#	65
20) Pentachlorophenol	17.23	266	9588	8.60	ng	#	84
21) Phenanthrene	17.60	178	56792	3.48	ng	#	94
22) Anthracene	17.70	178	56093	3.57	ng		99
23) Fluoranthene	19.61	202	270948	3.49	ng		99
25) Pyrene	19.97	202	294140	3.17	ng		99
27) Benzo(a)anthracene	21.72	228	369049m	3.53	ng		
28) Chrysene	21.77	228	308878m	3.23	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	30034	3.34	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.62	276	372005	3.67	ng		98
32) Benzo(b)fluoranthene	23.38	252	81038	3.27	ng		95
33) Benzo(k)fluoranthene	23.43	252	84769	3.27	ng		93
34) Benzo(a)pyrene	24.01	252	81990	3.38	ng	#	94
35) Dibenzo(a,h)anthracene	26.65	278	77269	3.47	ng	#	94
36) Benzo(g,h,i)perylene	27.40	276	318632	3.33	ng		95

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

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Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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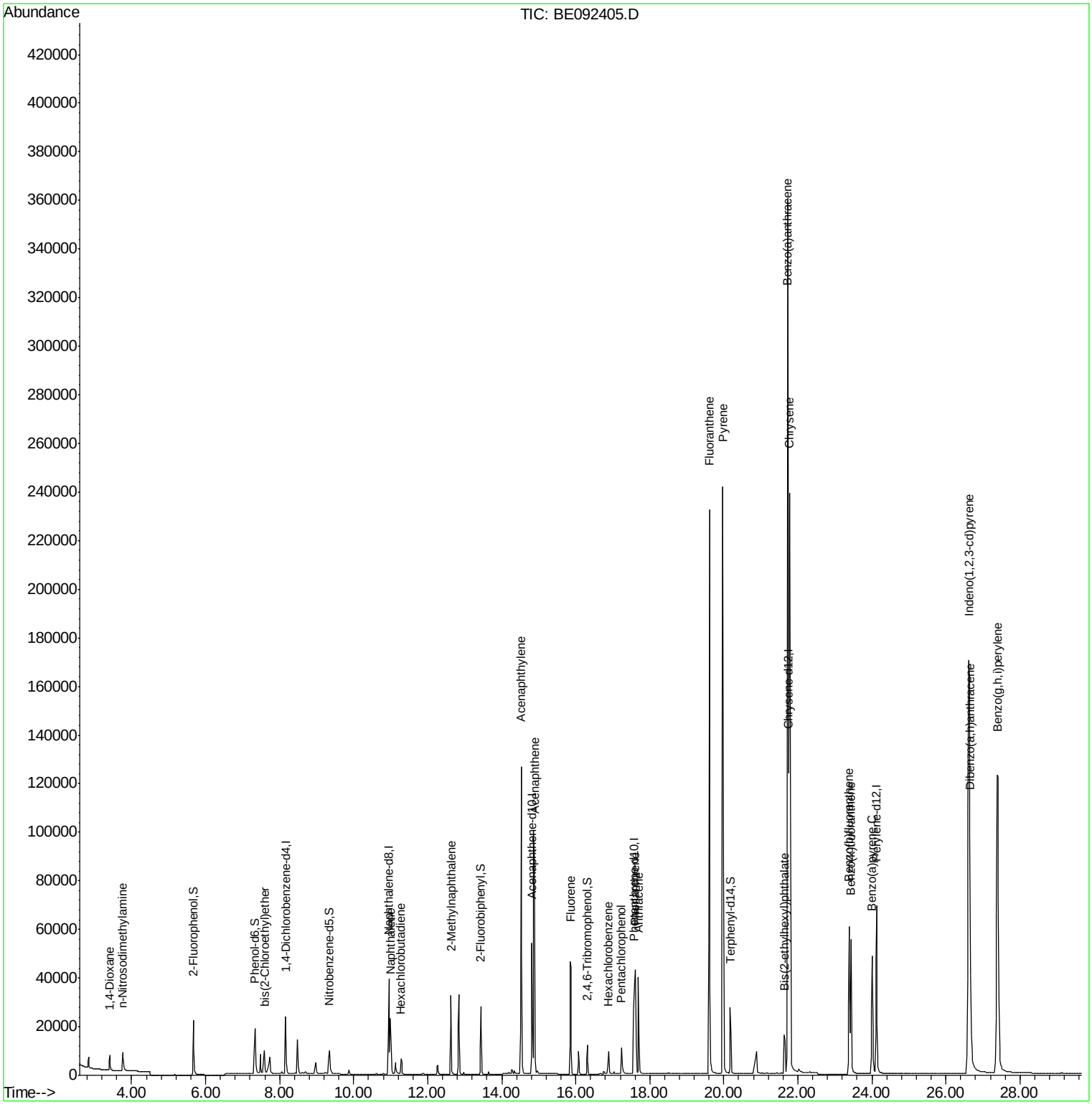
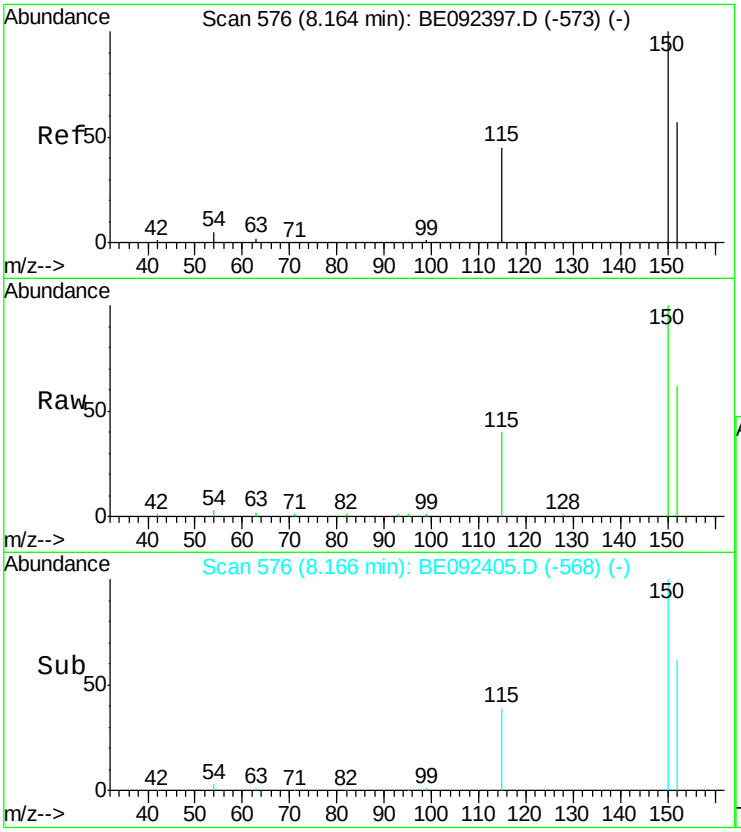
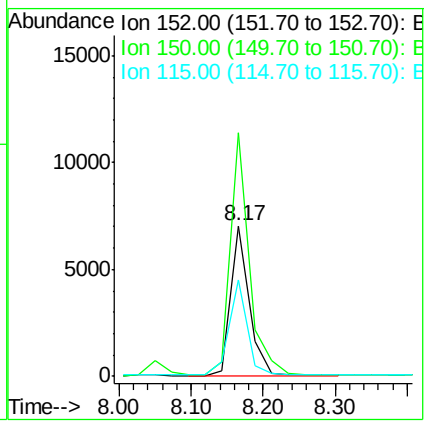




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:152 Resp: 12525

Ion	Ratio	Lower	Upper
152	100		
150	161.8	106.0	159.0#
115	64.0	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
PB93406BS

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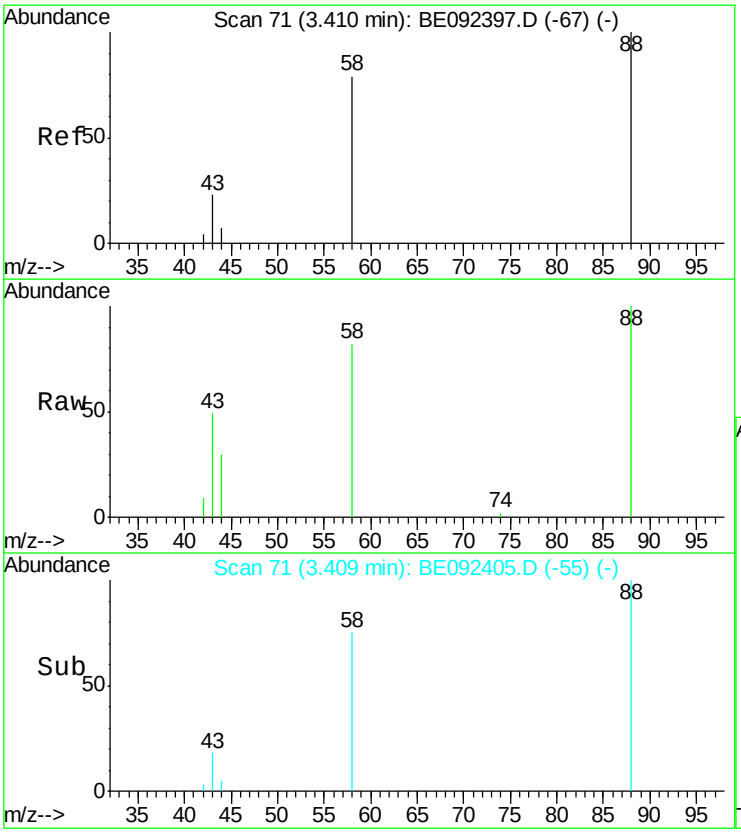
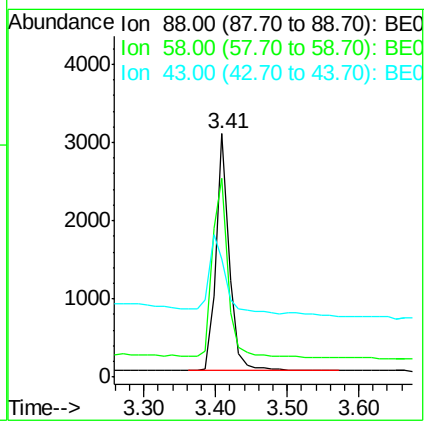
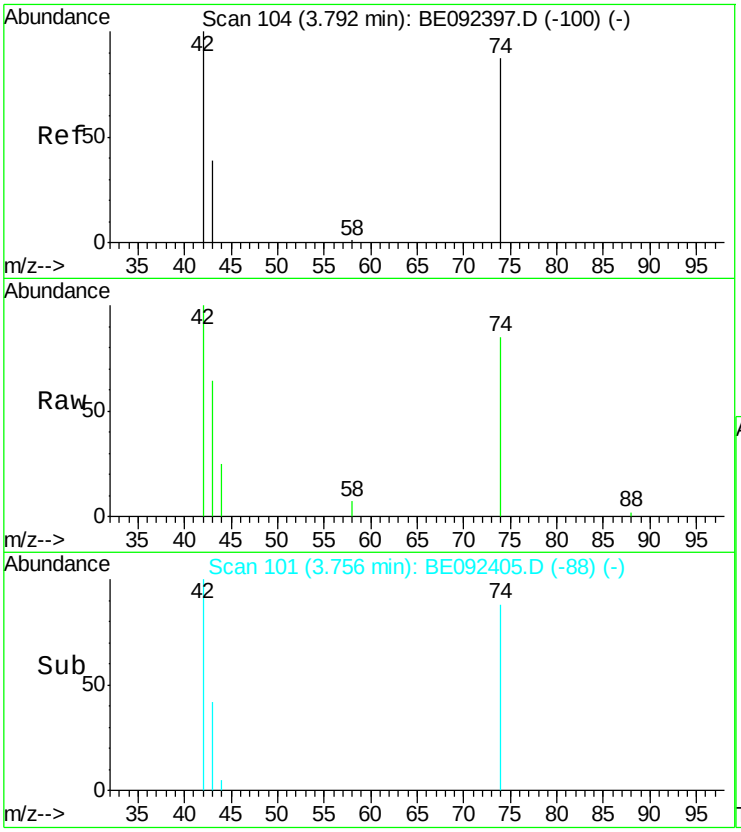


#2
1,4-Dioxane
Concen: 2.83 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion: 88 Resp: 3863

Ion	Ratio	Lower	Upper
88	100		
58	89.7	63.6	95.4
43	50.0	28.0	42.0#

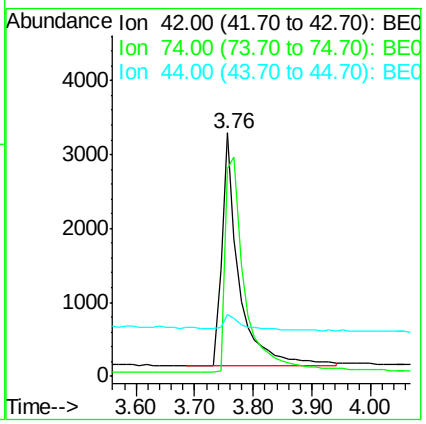




#3
n-Nitrosodimethylamine
Concen: 3.23 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.05 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion: 42 Resp: 6277

Ion	Ratio	Lower	Upper
42	100		
74	110.5	86.0	129.0
44	9.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
PB93406BS

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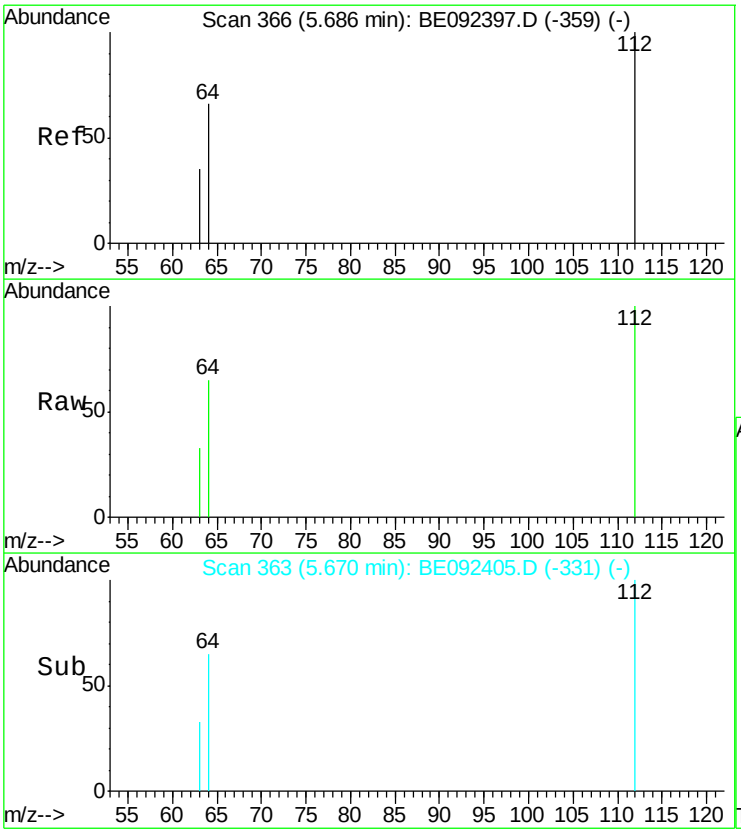
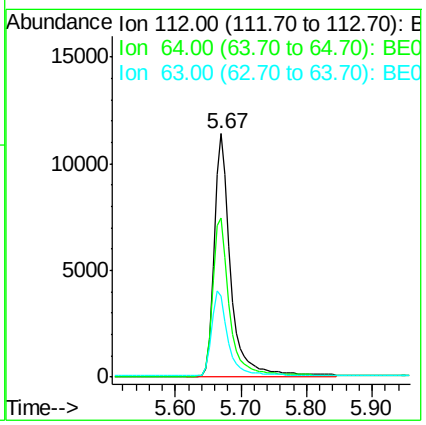
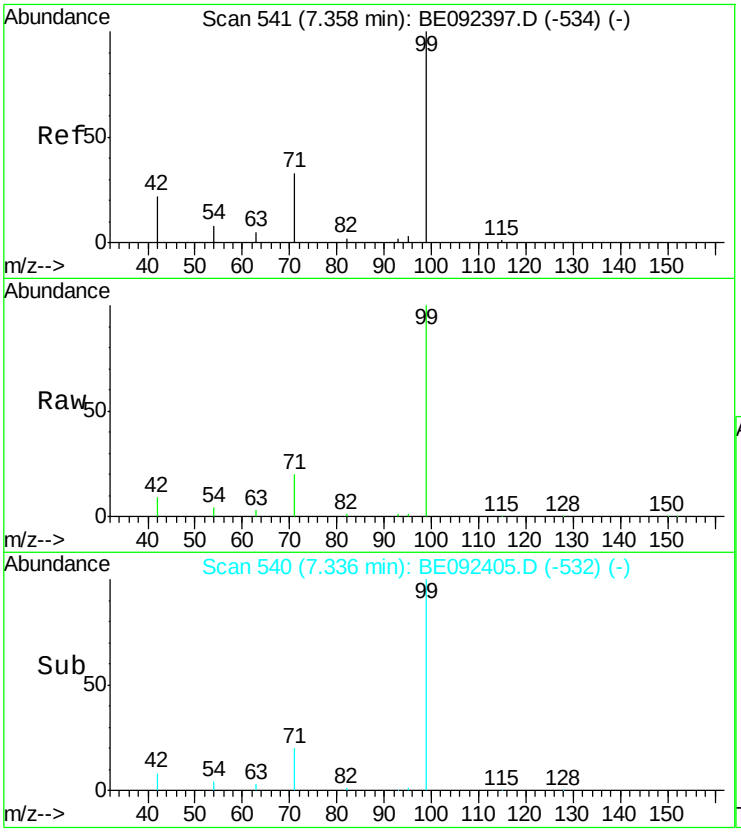


#4
2-Fluorophenol
Concen: 6.66 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:112 Resp: 19637

Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.5	80.3
63	35.8	27.9	41.9

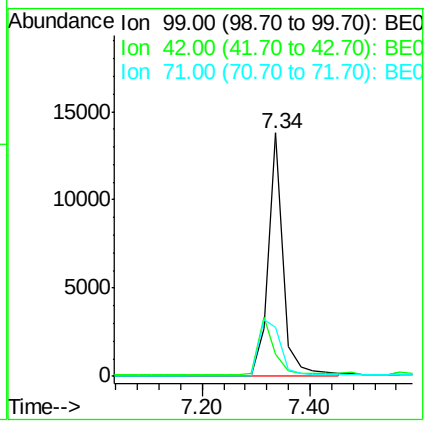




#5
Phenol-d6
Concen: 6.27 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion: 99 Resp: 26355

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



Instrument :
BNA_E
ClientSampleId :
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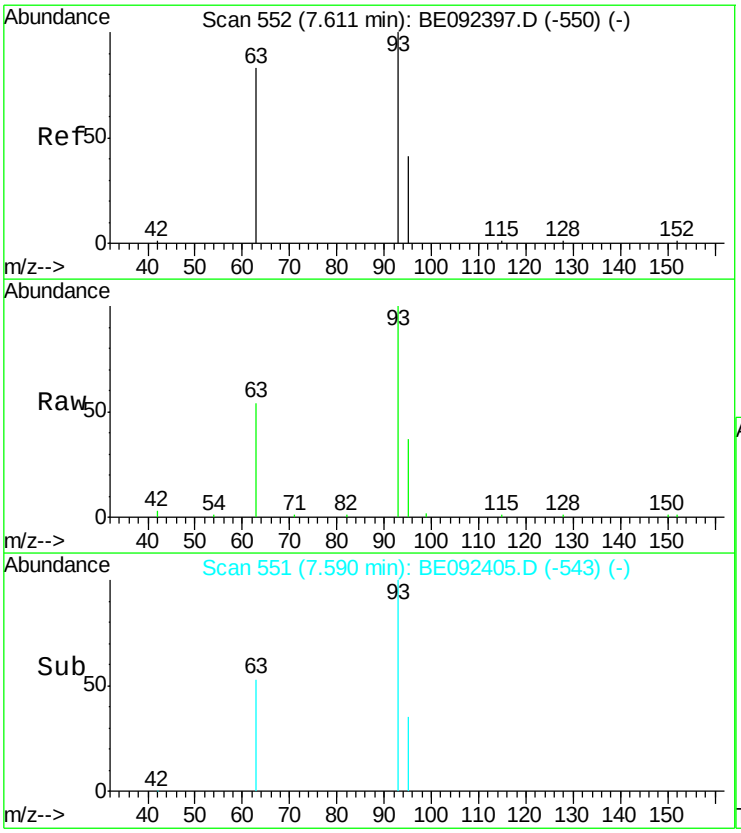
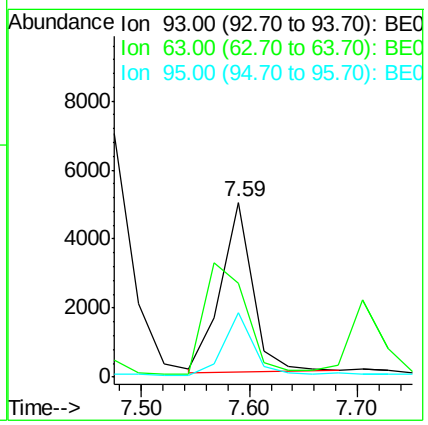
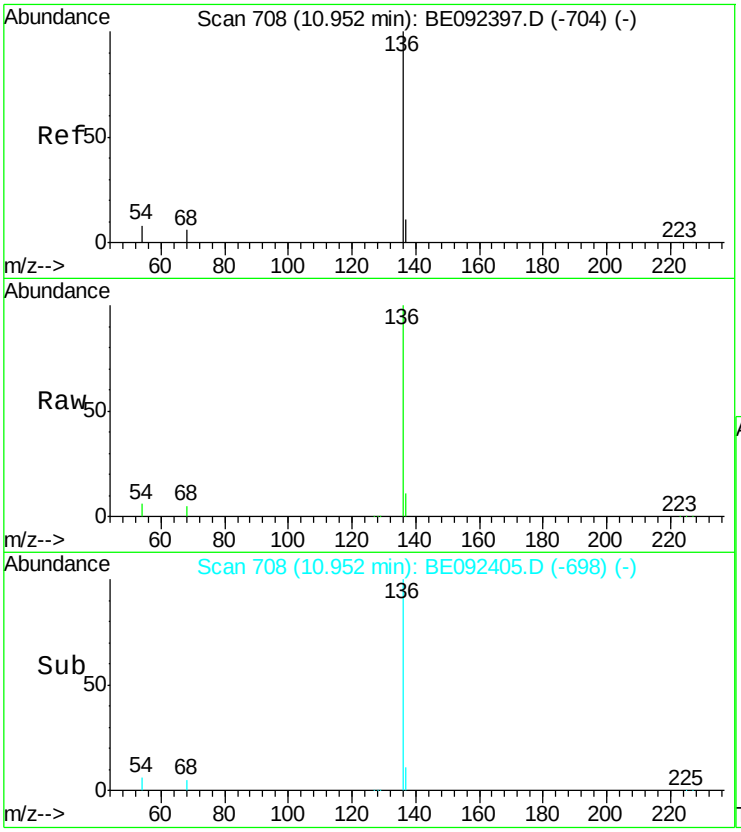


#6
bis(2-Chloroethyl)ether
Concen: 3.09 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion: 93 Resp: 10125

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	35.0	24.0	36.0

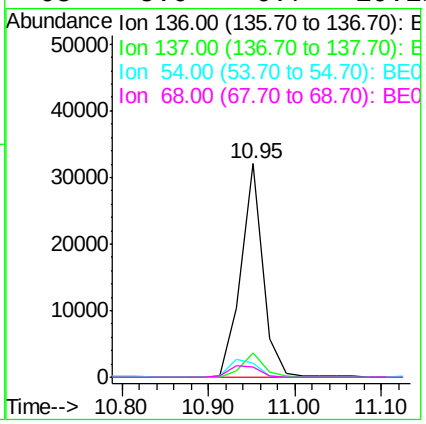




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:136 Resp: 56733

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	6.4	9.6	14.4#
68	5.0	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
PB93406BS

Manual Integrations APPROVED
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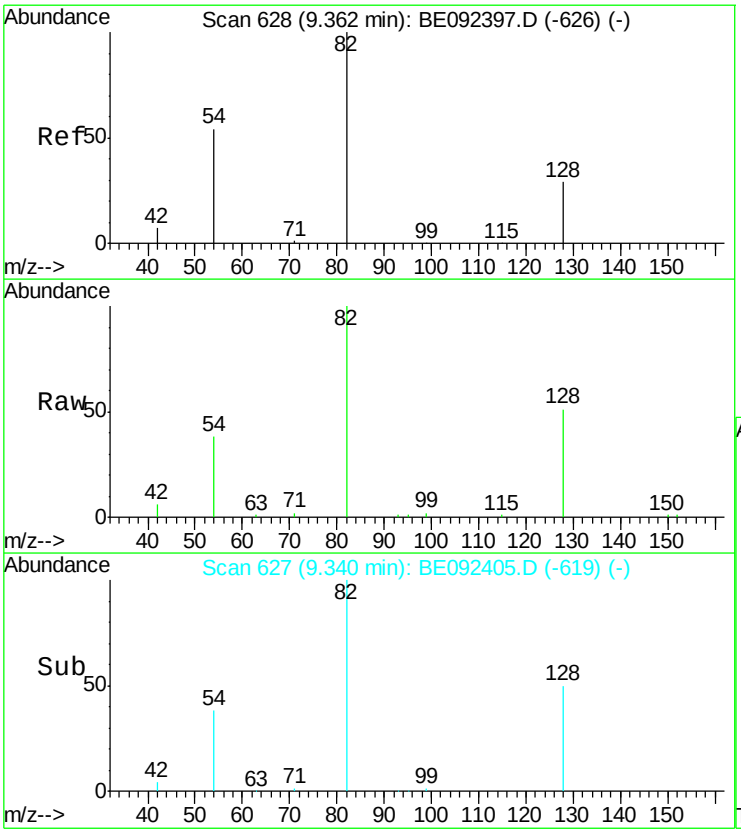
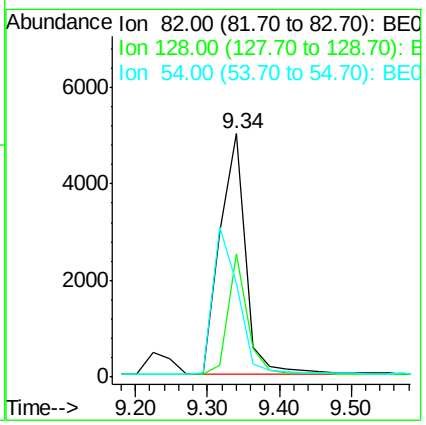
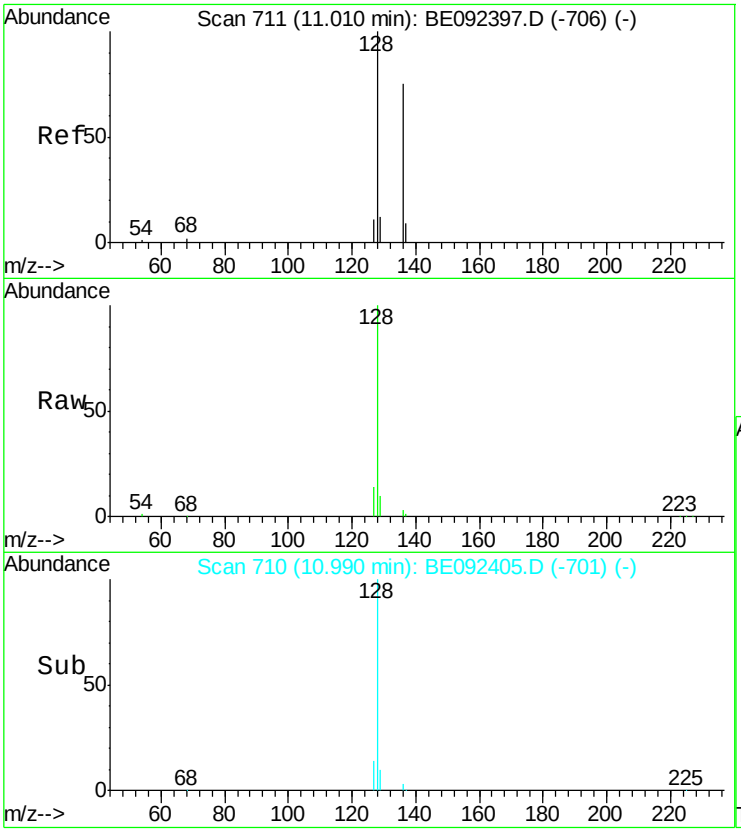


#8
Nitrobenzene-d5
Concen: 3.07 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion: 82 Resp: 12301

Ion	Ratio	Lower	Upper
82	100		
128	50.9	39.0	58.4
54	38.3	44.8	67.2#

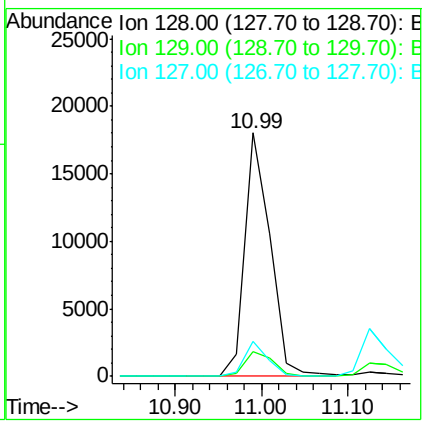




#9
Naphthalene
Concen: 2.96 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:128 Resp: 36309

Ion	Ratio	Lower	Upper
128	100		
129	10.3	11.2	16.8#
127	14.4	11.6	17.4



Instrument :
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ClientSampleId :
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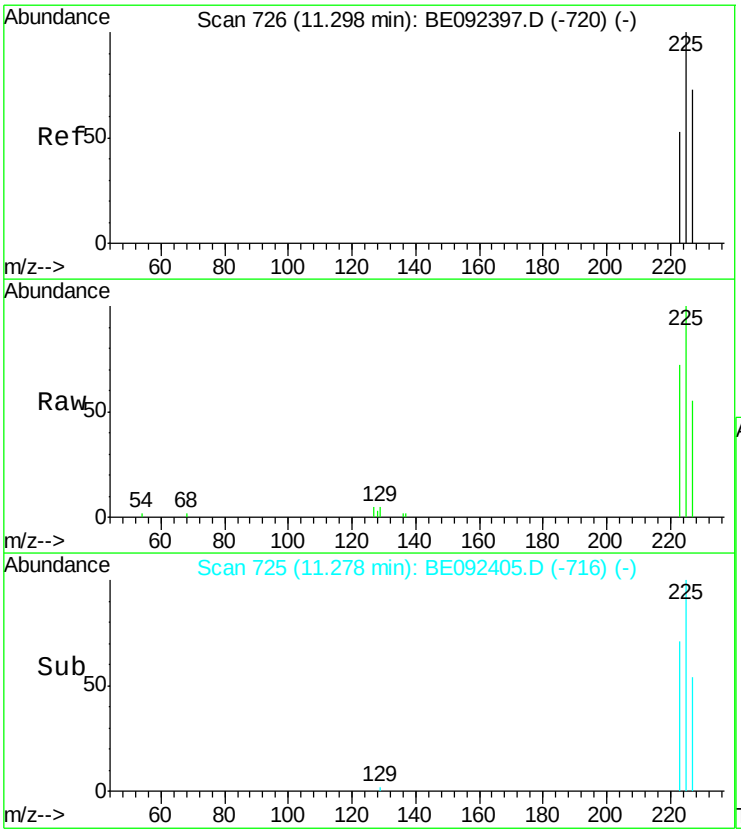
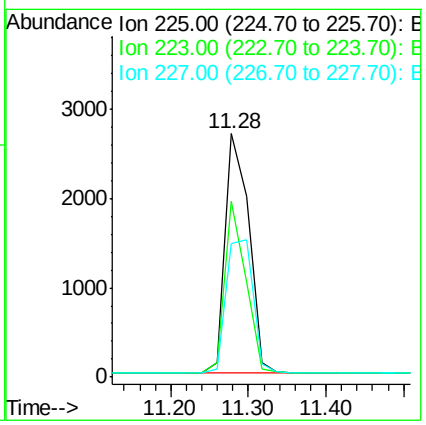
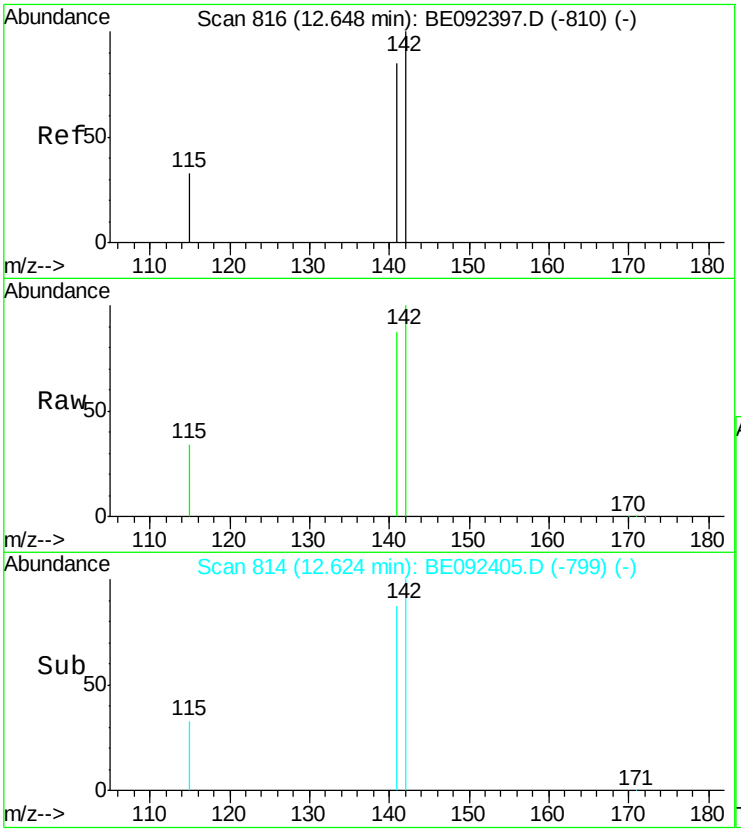


#10
Hexachlorobutadiene
Concen: 2.95 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:225 Resp: 5709

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	63.1	51.4	77.0

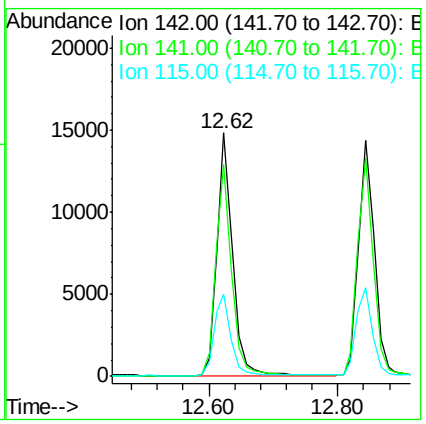




#11
2-Methylnaphthalene
Concen: 3.11 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:142 Resp: 25317

Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.7	110.5
115	33.7	34.0	51.0#



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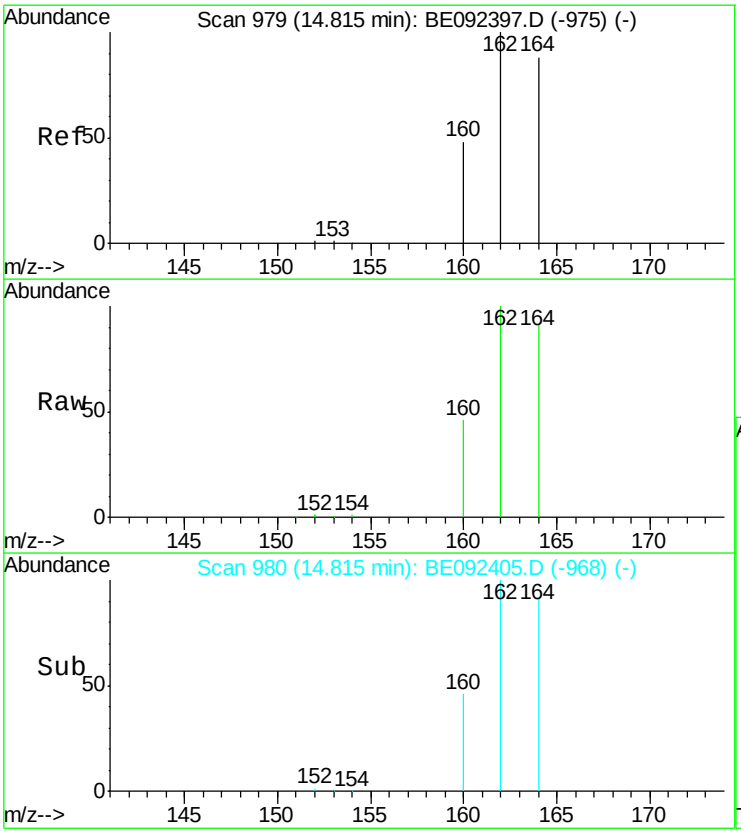
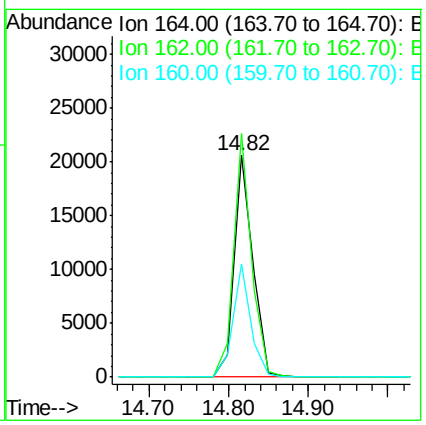
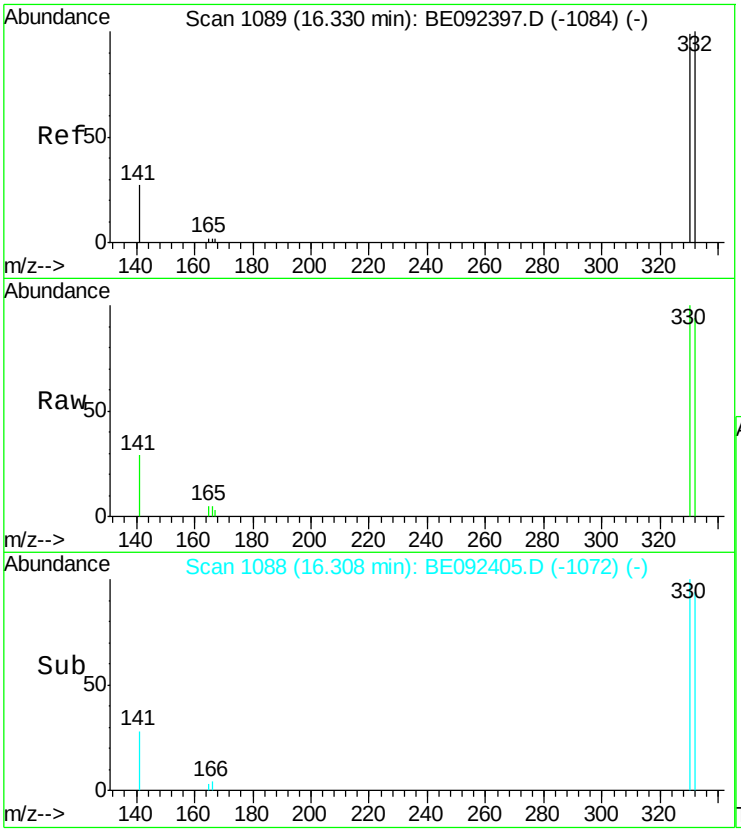


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:164 Resp: 33329

Ion	Ratio	Lower	Upper
164	100		
162	109.9	71.4	107.0#
160	51.0	27.4	41.2#

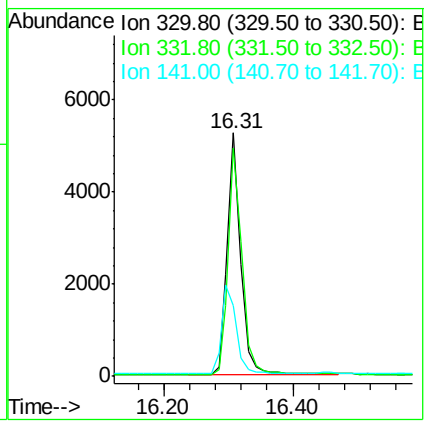




#13
2,4,6-Tribromophenol
Concen: 6.44 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:330 Resp: 7569

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	41.0	31.0	46.6



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ClientSampleId :
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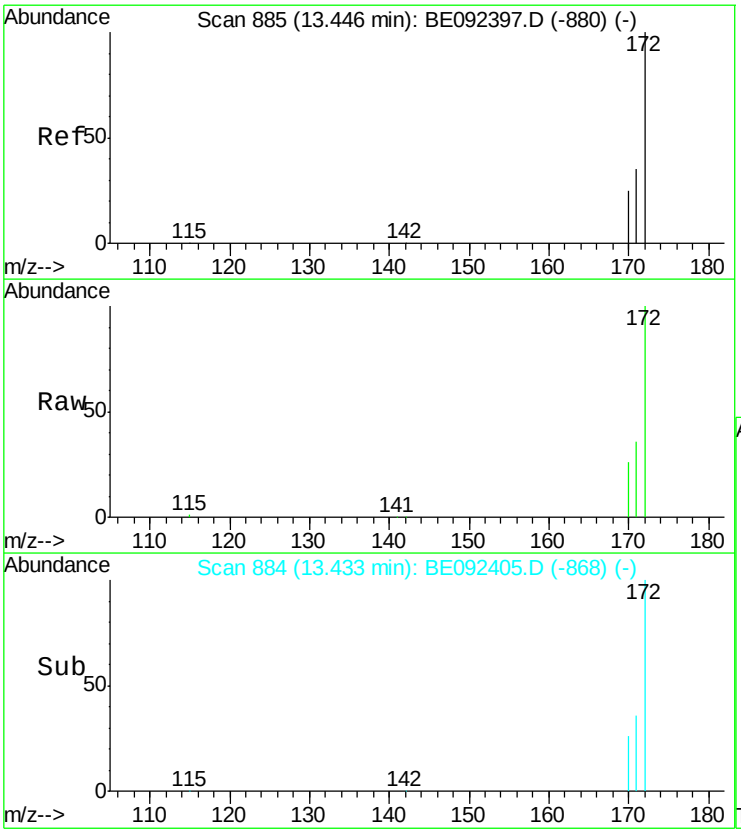
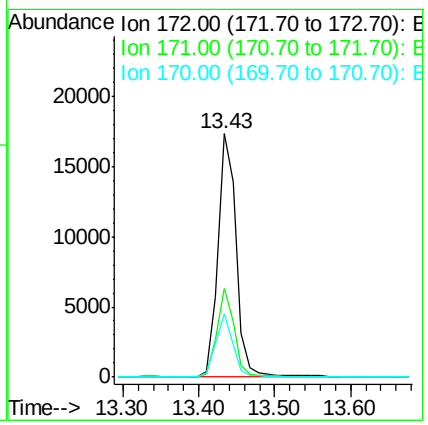
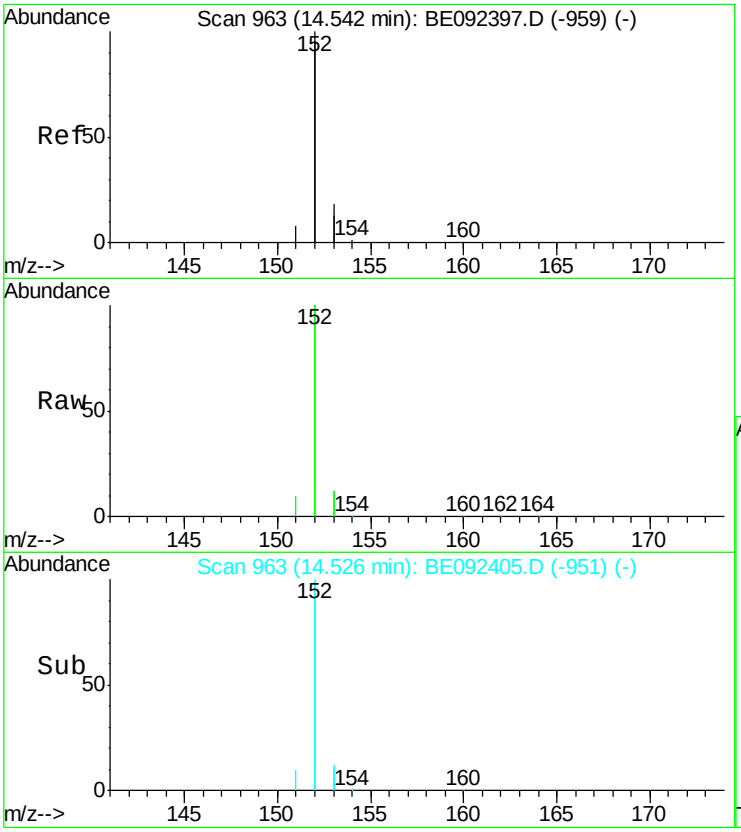


#14
2-Fluorobiphenyl
Concen: 3.65 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:172 Resp: 28826

Ion	Ratio	Lower	Upper
172	100		
171	36.3	30.1	45.1
170	25.8	21.8	32.6

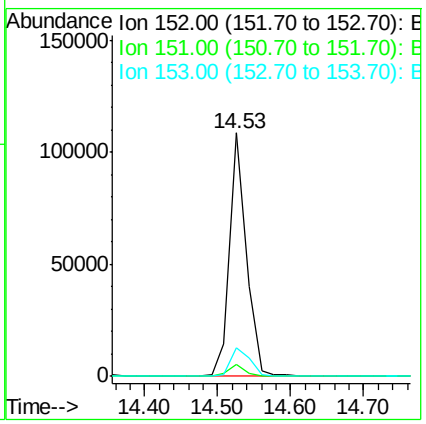




#15
Acenaphthylene
Concen: 3.55 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:152 Resp: 171535

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
PB93406BS

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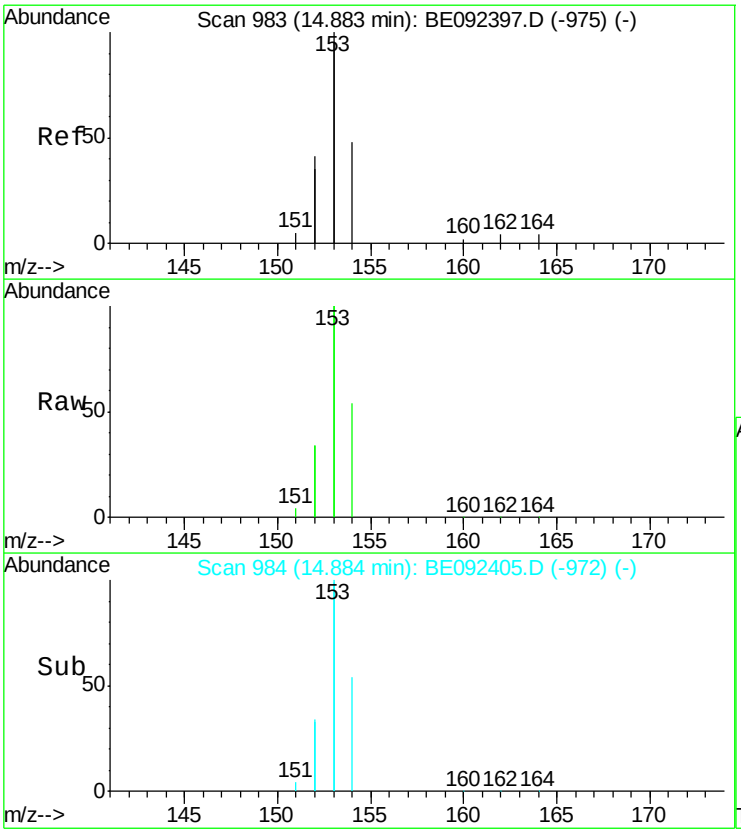
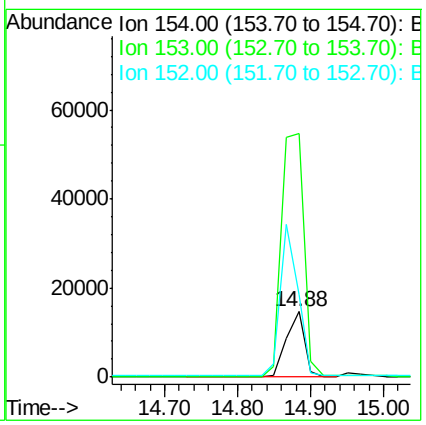
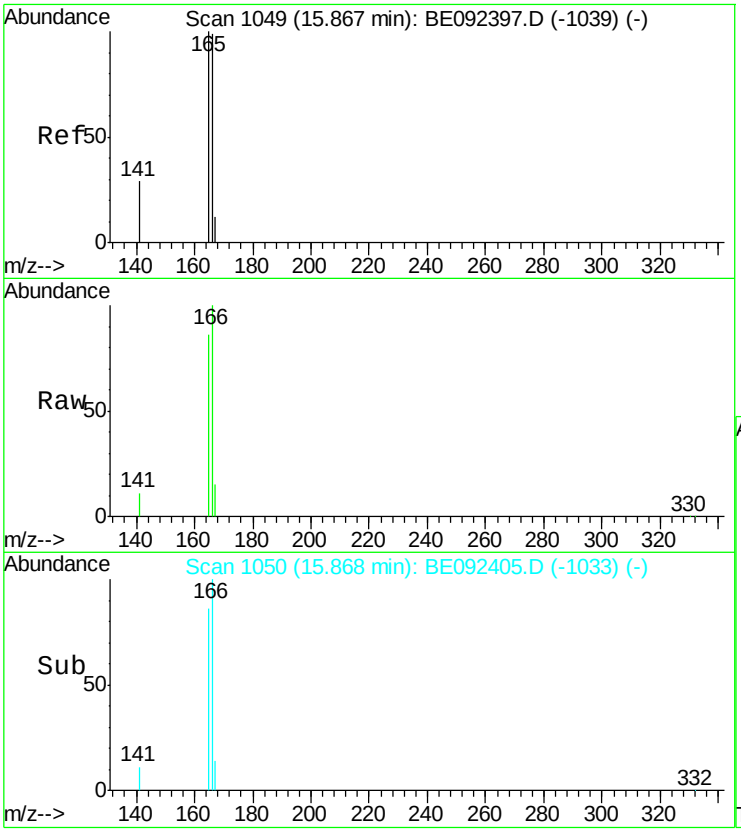


#16
Acenaphthene
Concen: 3.41 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:154 Resp: 25745

Ion	Ratio	Lower	Upper
154	100		
153	454.3	350.8	526.2
152	223.7	171.1	256.7





#17
Fluorene
Concen: 3.54 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:166 Resp: 33880

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.4
167	13.4	11.0	16.4

Instrument :
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ClientSampleId :
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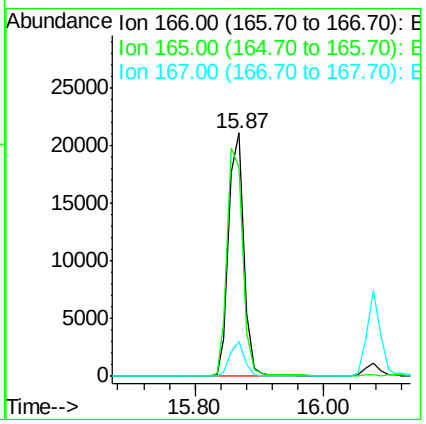
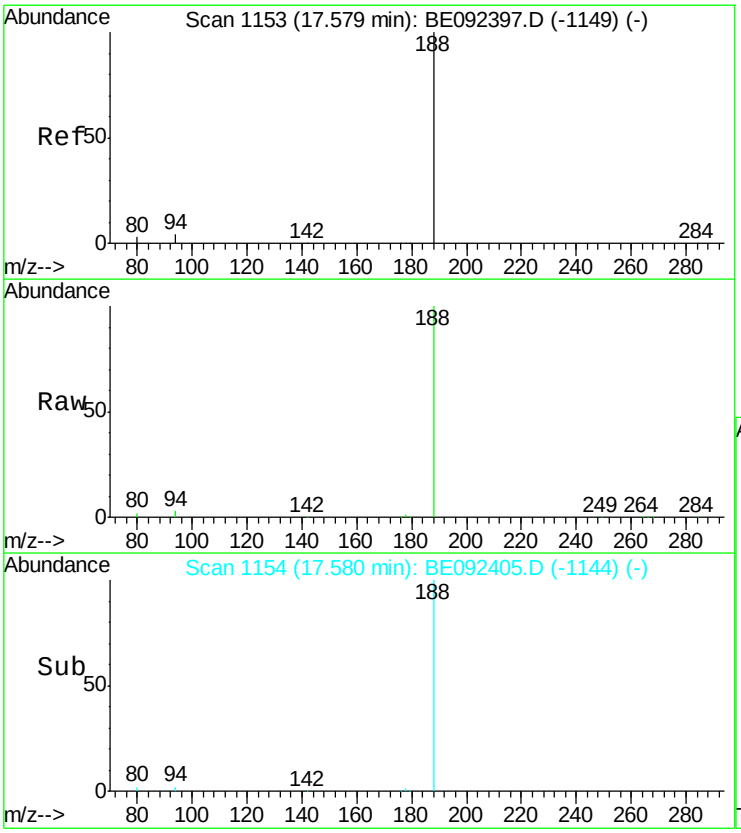
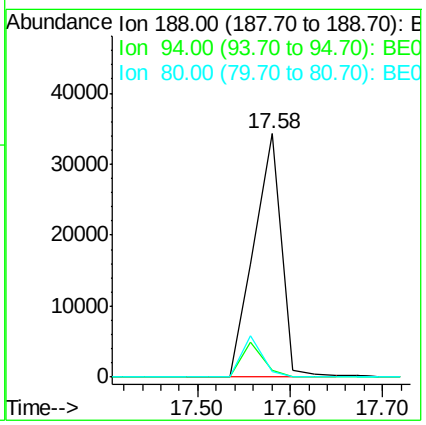


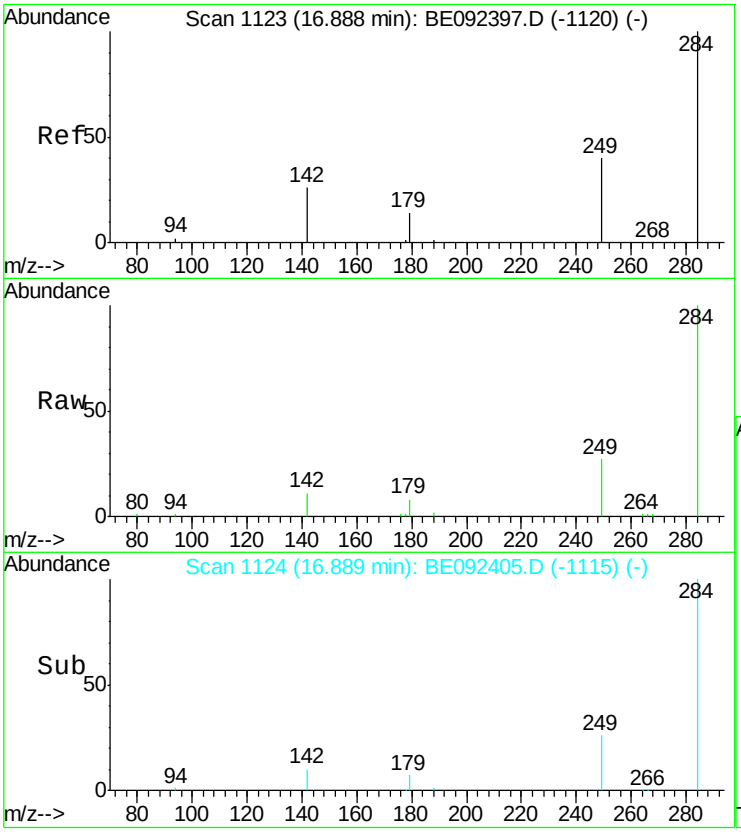


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:188 Resp: 71102

Ion	Ratio	Lower	Upper
188	100		
94	2.7	3.2	4.8#
80	2.1	2.6	3.8#

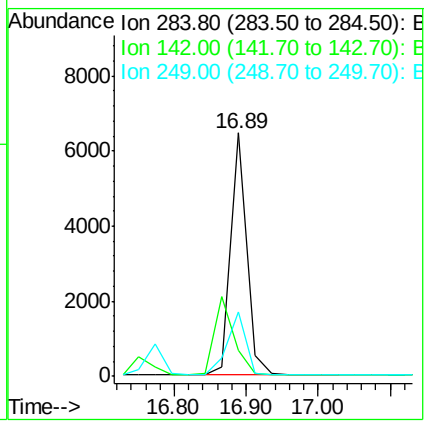




#19
Hexachlorobenzene
Concen: 3.26 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:284 Resp: 9930

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	30.2	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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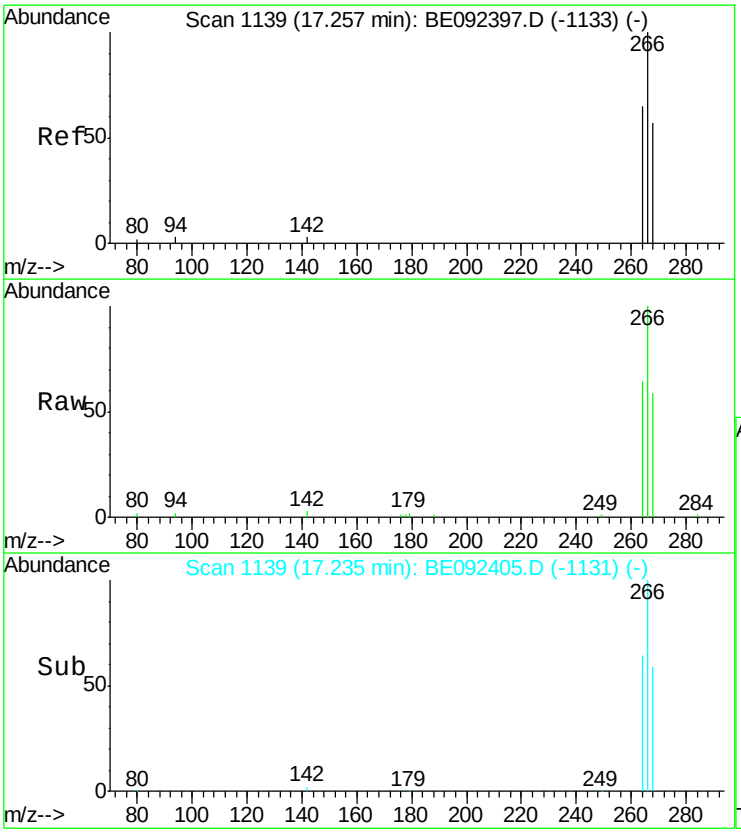
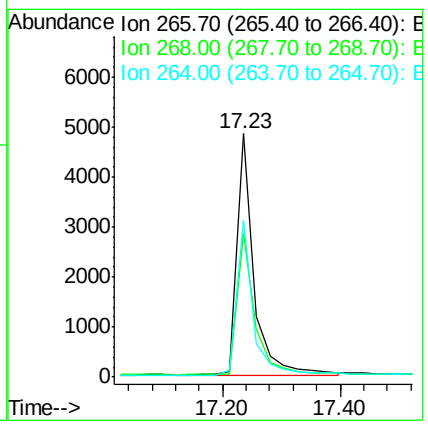
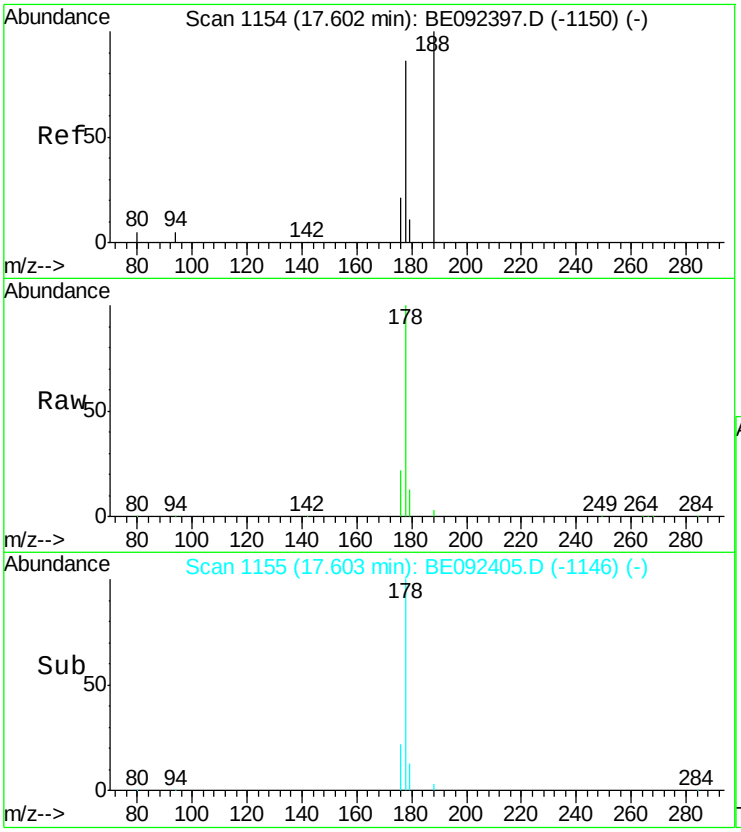


#20
Pentachlorophenol
Concen: 8.60 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:266 Resp: 9588

Ion	Ratio	Lower	Upper
266	100		
268	59.0	62.5	93.7#
264	64.3	57.2	85.8

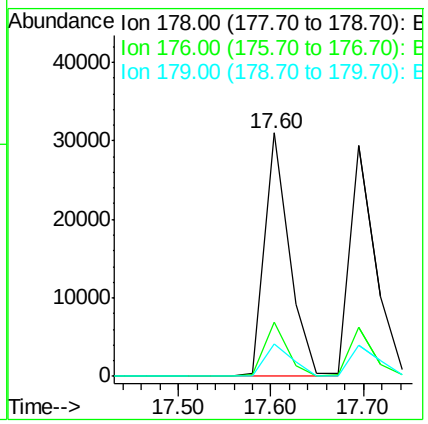




#21
Phenanthrene
Concen: 3.48 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:178 Resp: 56792

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	14.8	16.0	24.0#



Instrument :
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ClientSampleId :
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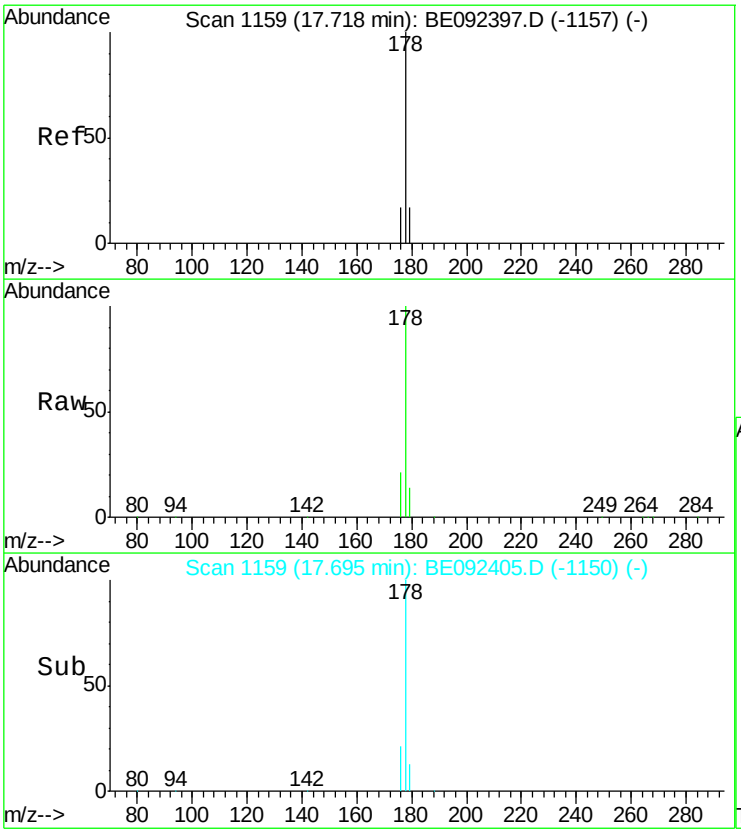
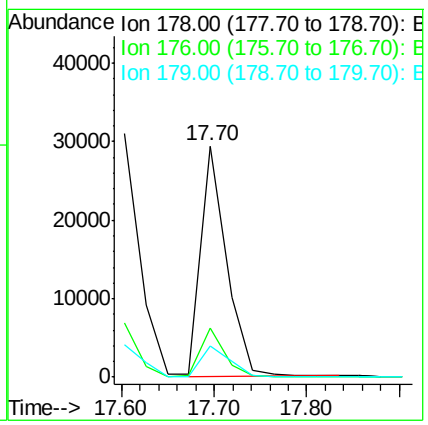
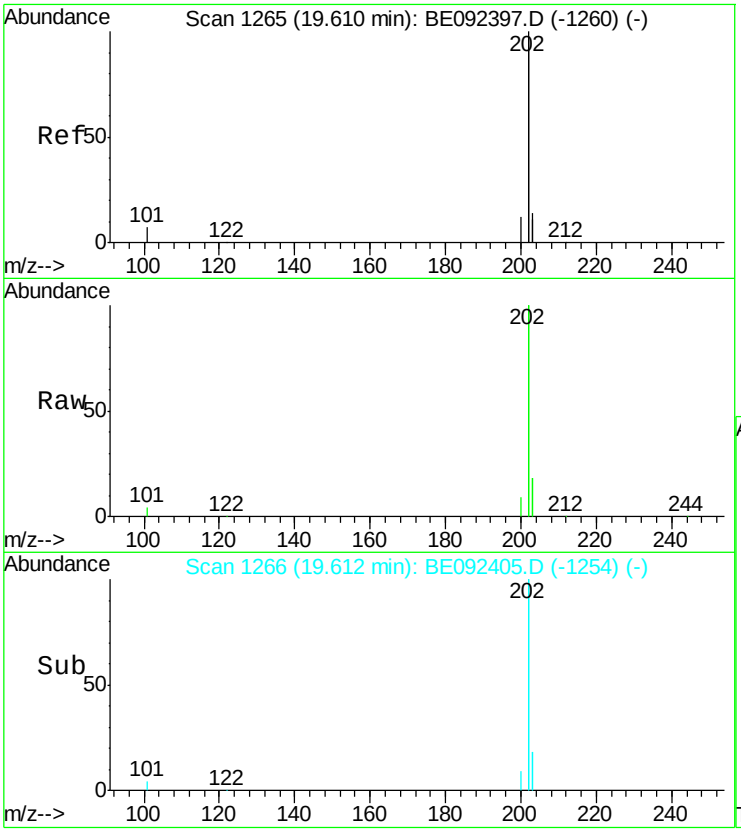


#22
Anthracene
Concen: 3.57 ng
RT: 17.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:178 Resp: 56093

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.4
179	14.9	12.2	18.2

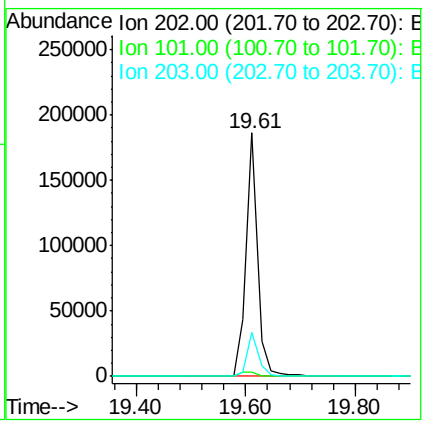




#23
Fluoranthene
Concen: 3.49 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:202 Resp: 270948

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.8	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
PB93406BS

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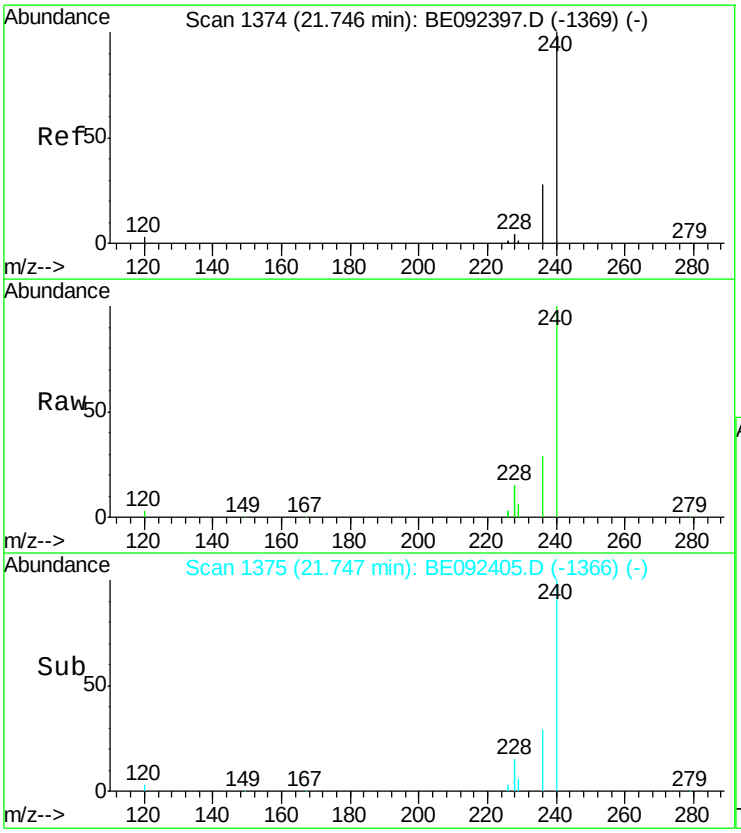
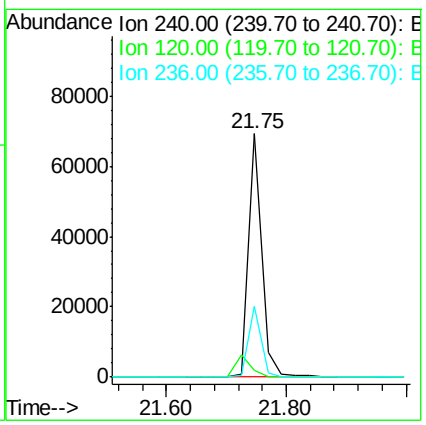
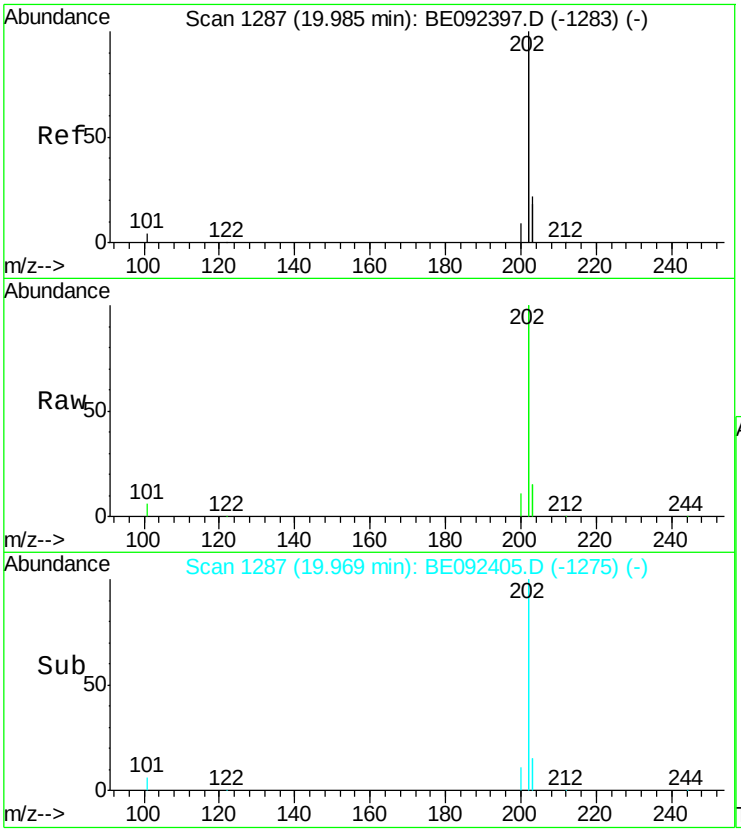


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:240 Resp: 107167

Ion	Ratio	Lower	Upper
240	100		
120	2.7	2.6	4.0
236	29.2	24.6	37.0





#25
Pyrene
Concen: 3.17 ng
RT: 19.97 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:202 Resp: 294140

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.9	13.9	20.9

Instrument :
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ClientSampleId :
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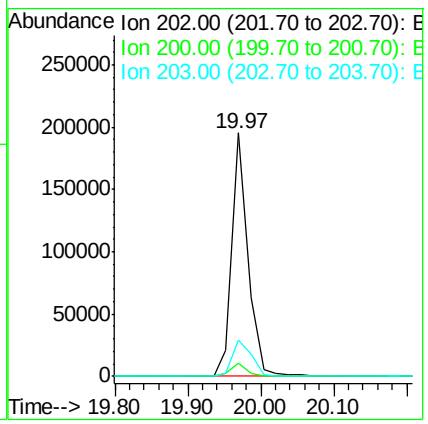
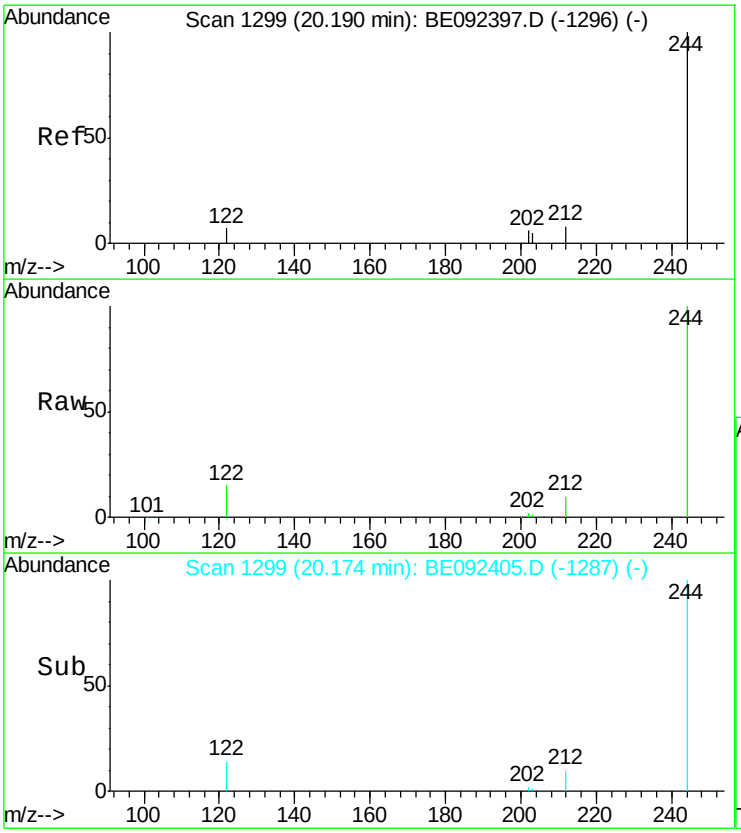
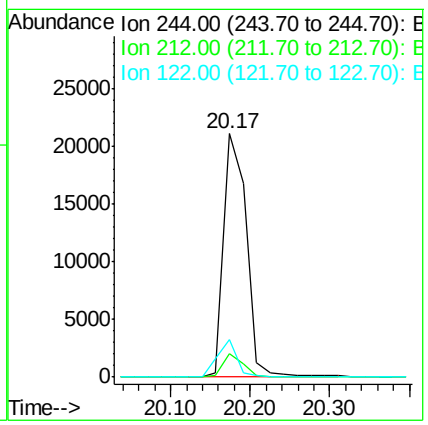


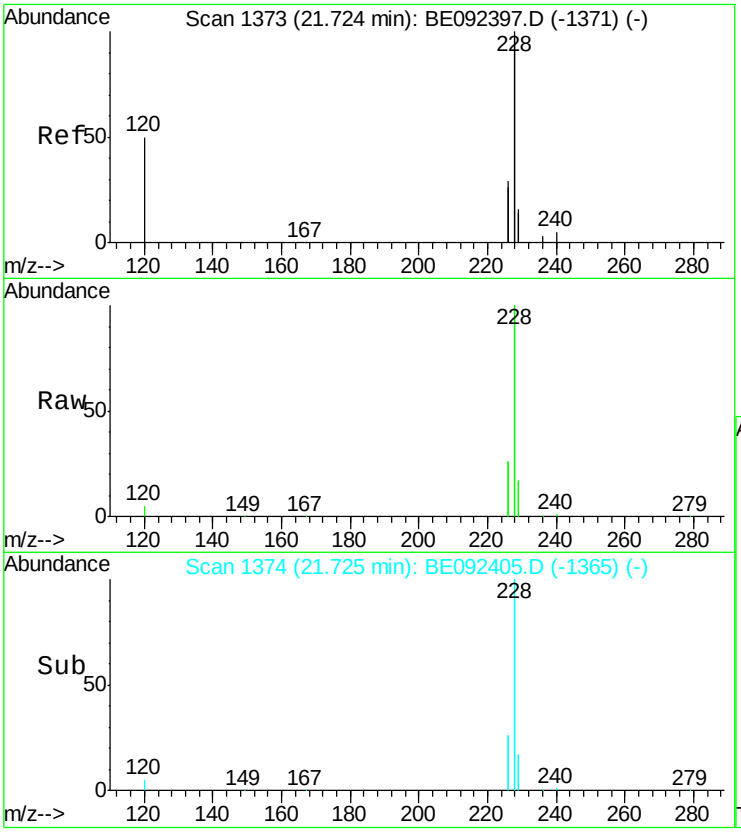


#26
Terphenyl-d14
Concen: 3.10 ng
RT: 20.17 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:244 Resp: 41159

Ion	Ratio	Lower	Upper
244	100		
212	9.9	6.7	10.1
122	15.5	3.6	5.4#

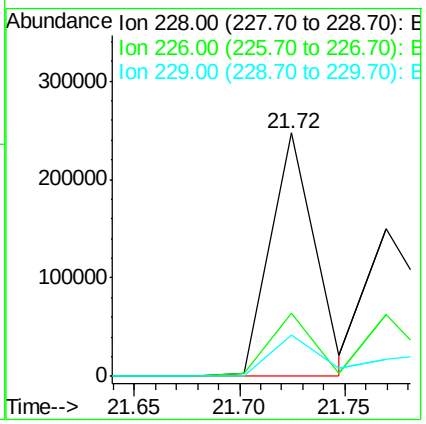




#27
Benzo(a)anthracene
Concen: 3.53 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:228 Resp: 369049

Ion	Ratio	Lower	Upper
228	100		
226	26.0	23.6	35.4
229	16.8	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
PB93406BS

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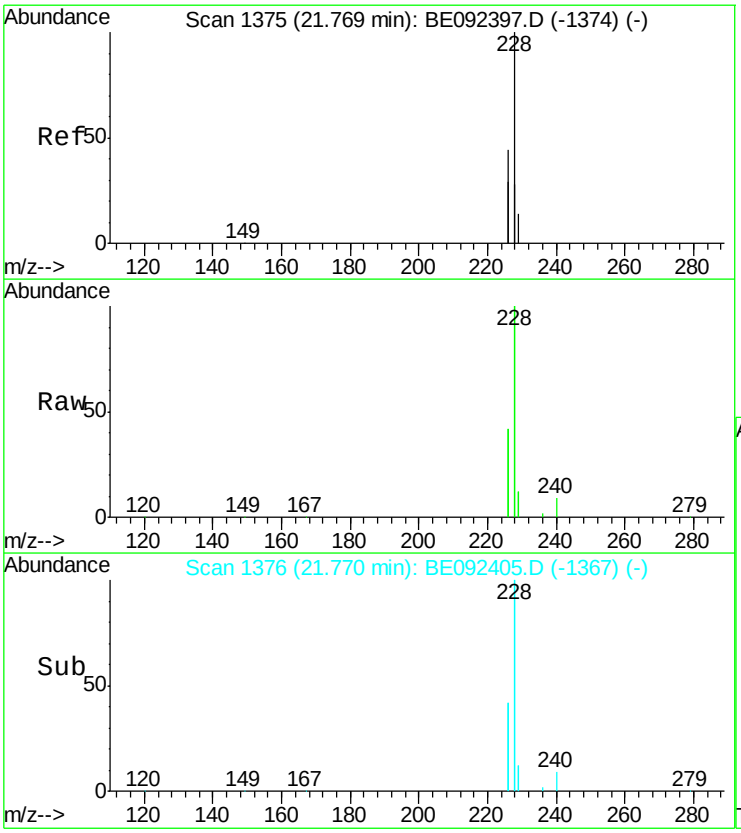
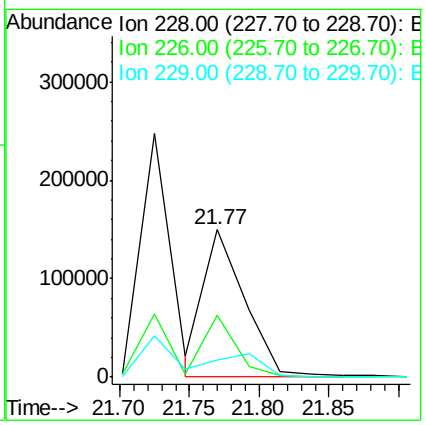
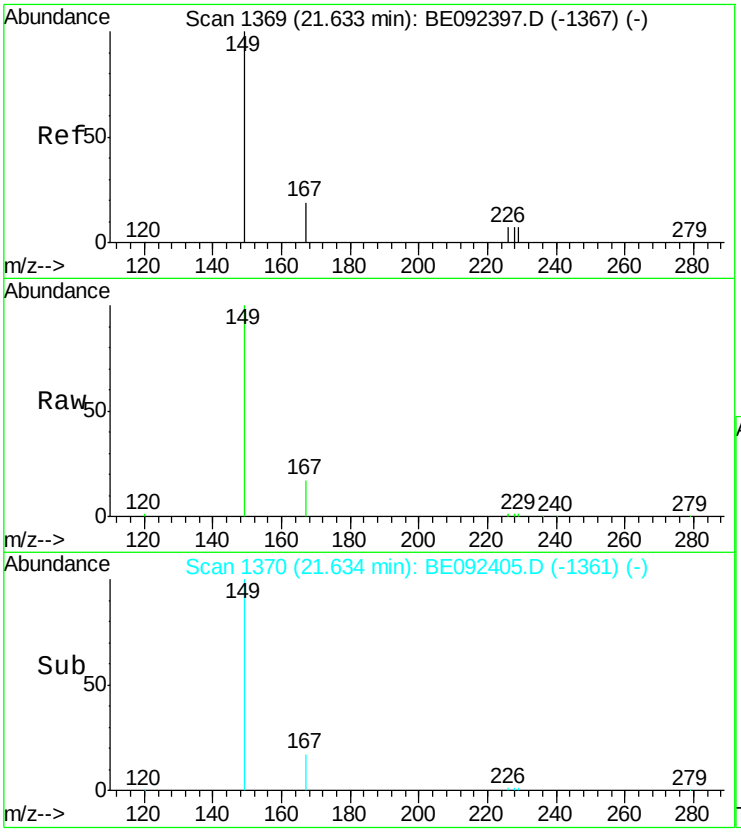


#28
Chrysene
Concen: 3.23 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:228 Resp: 308878

Ion	Ratio	Lower	Upper
228	100		
226	42.5	36.3	54.5
229	11.8	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 3.34 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Instrument :
BNA_E
ClientSampleId :
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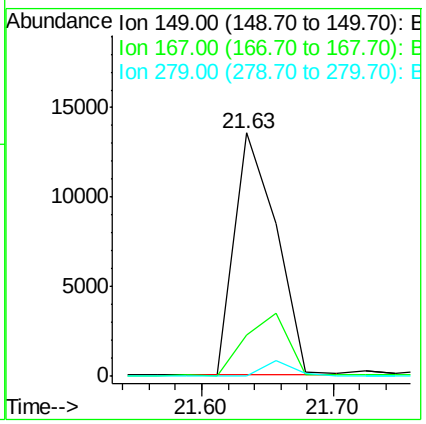
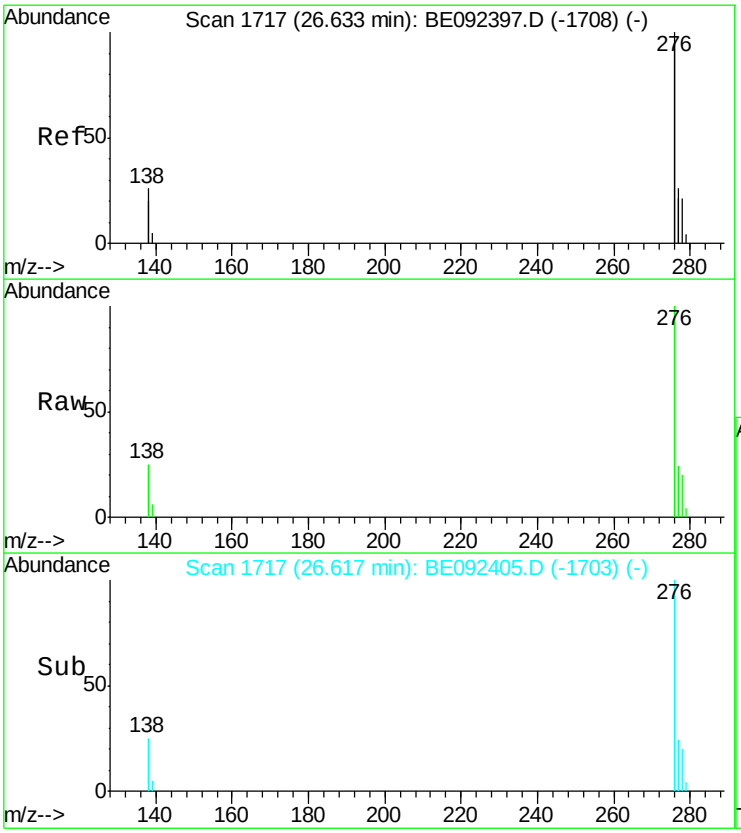
Tgt Ion:149 Resp: 30034

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

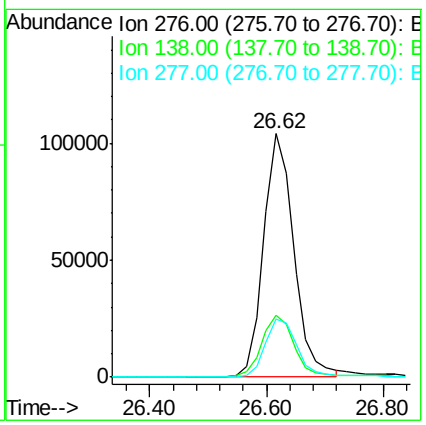


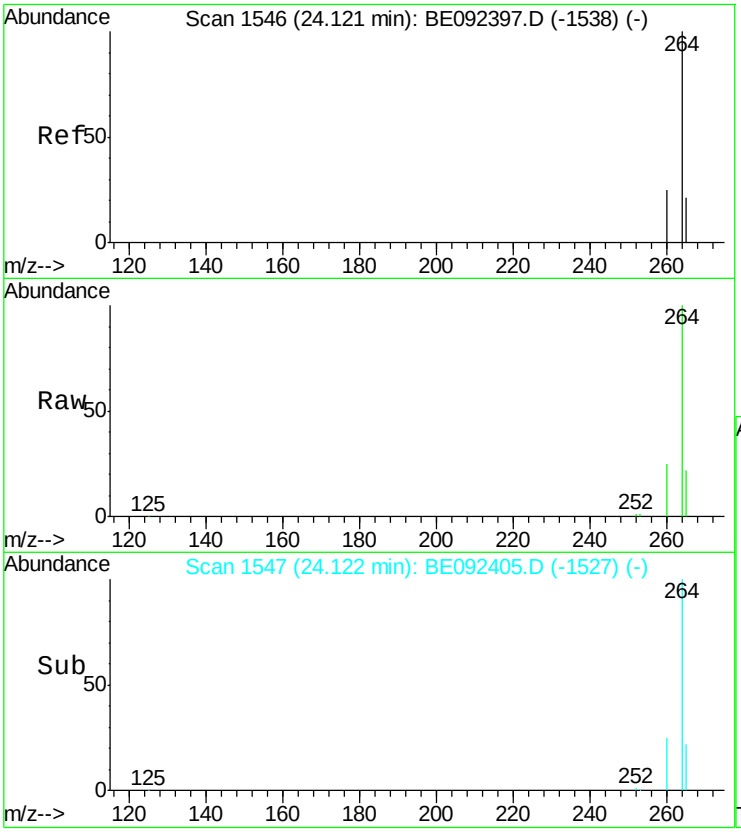


#30
Indeno(1,2,3-cd)pyrene
Concen: 3.67 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.04 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:276 Resp: 372005

Ion	Ratio	Lower	Upper
276	100		
138	26.7	20.3	30.5
277	24.8	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Instrument :
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ClientSampleId :
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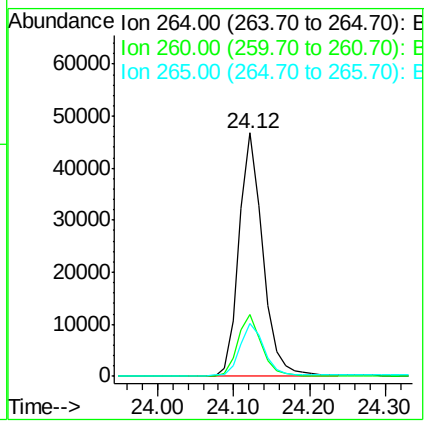
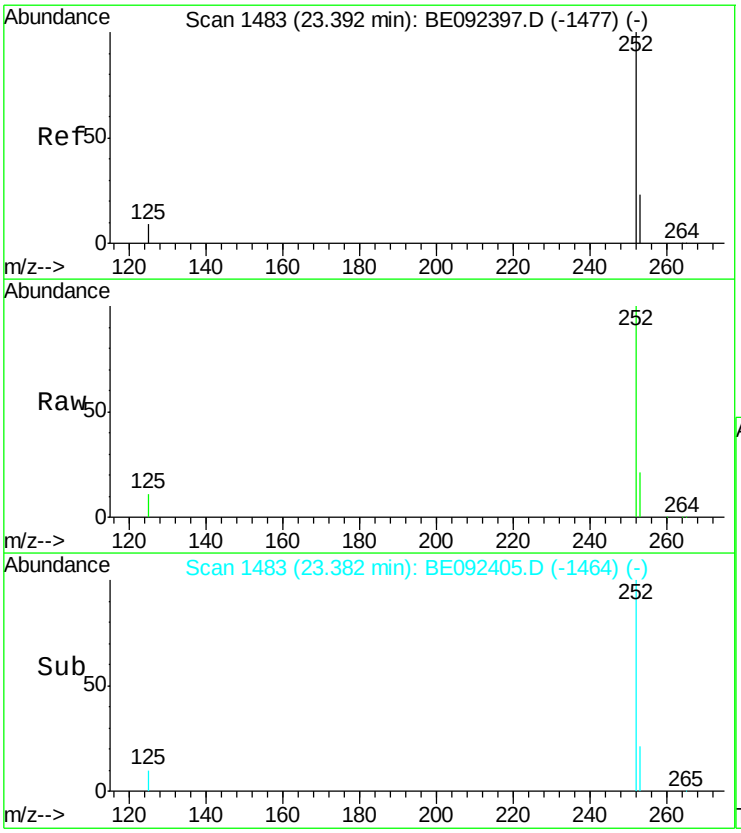
Tgt Ion:264 Resp: 102249

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.9	17.9	26.9

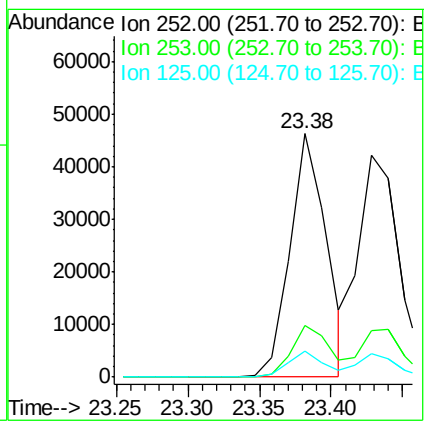


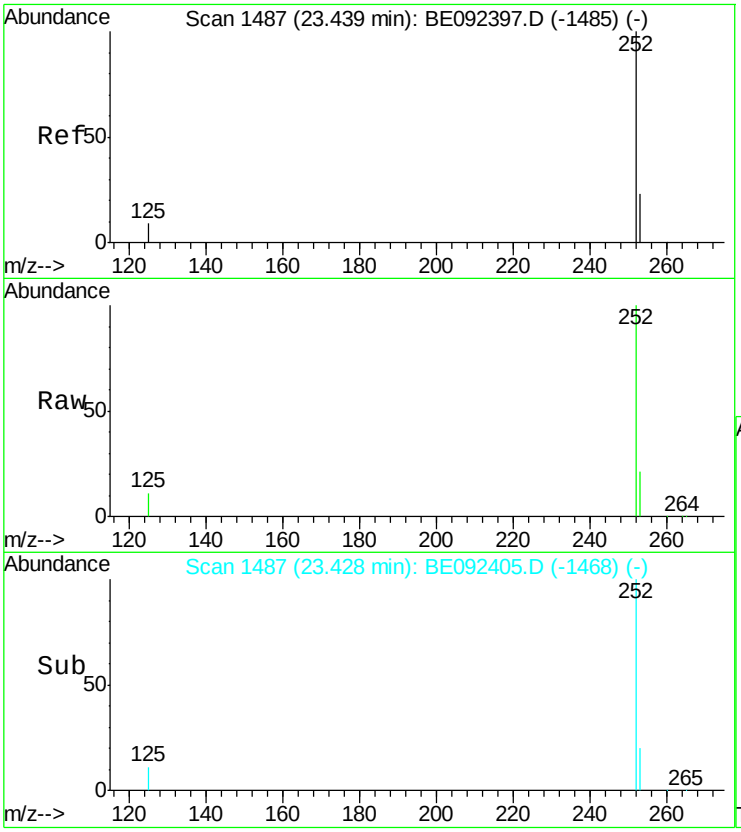


#32
Benzo(b)fluoranthene
Concen: 3.27 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:252 Resp: 81038

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.7	28.1
125	10.5	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 3.27 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:252 Resp: 84769

Ion	Ratio	Lower	Upper
252	100		
253	20.7	20.3	30.5
125	10.8	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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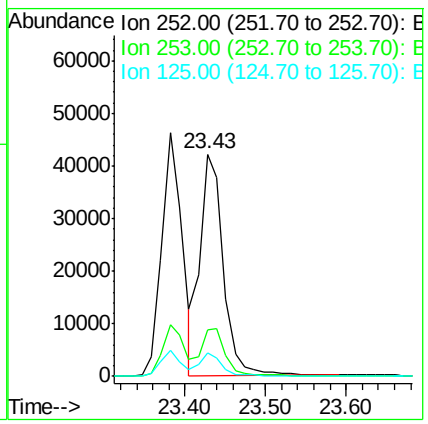
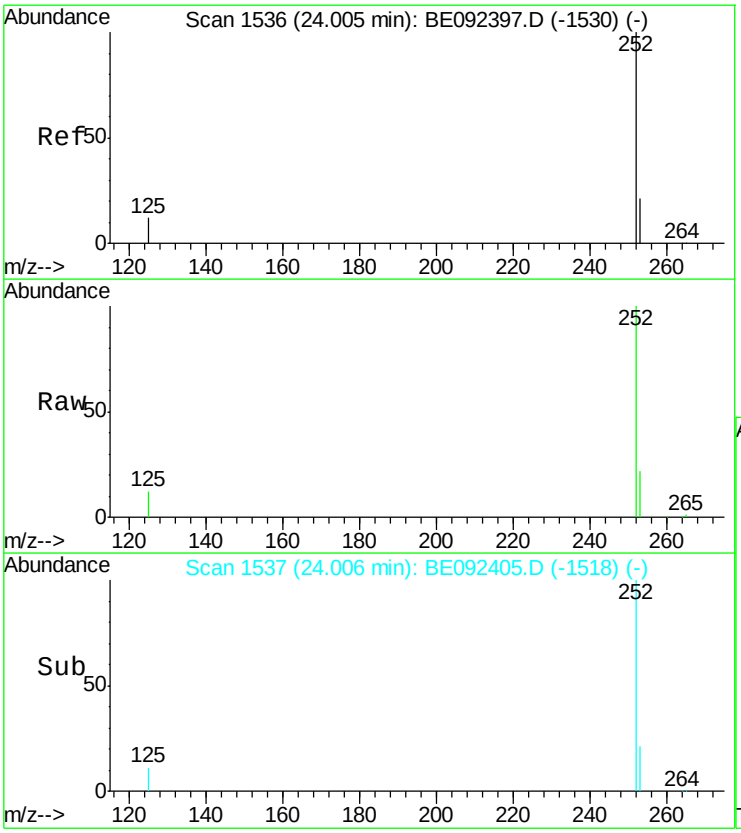
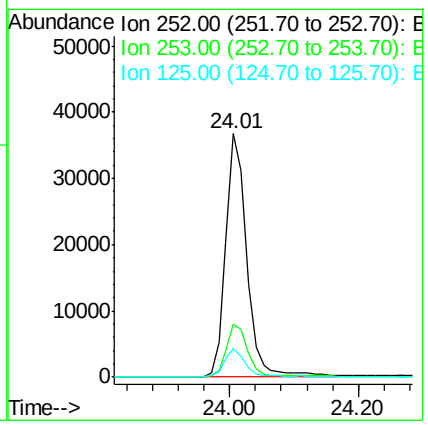


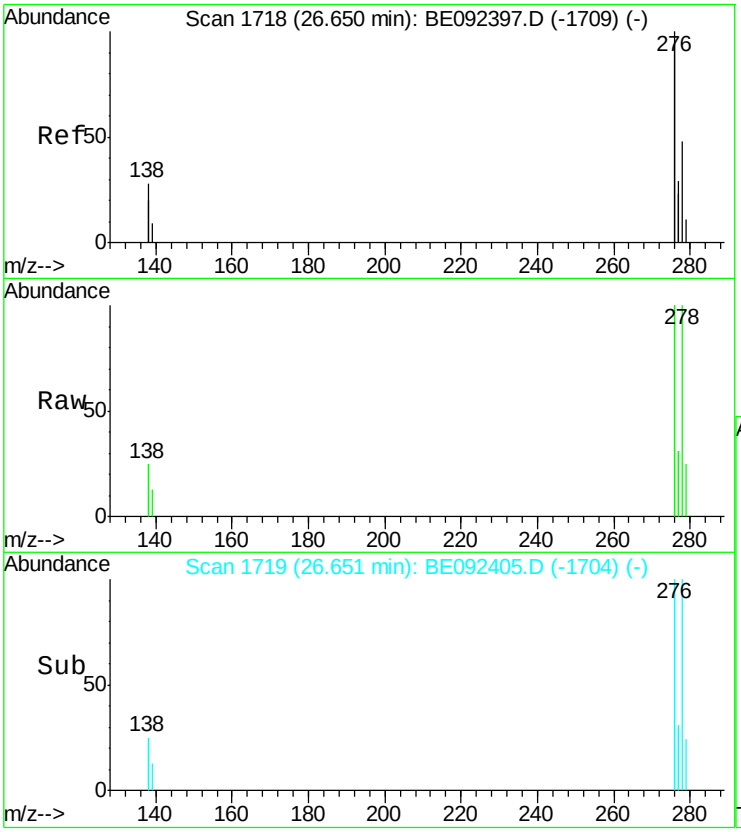


#34
Benzo(a)pyrene
Concen: 3.38 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:252 Resp: 81990

Ion	Ratio	Lower	Upper
252	100		
253	21.7	19.0	28.6
125	11.6	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 3.47 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:278 Resp: 77269

Ion	Ratio	Lower	Upper
278	100		
139	13.0	13.8	20.8#
279	24.5	21.4	32.2

Instrument :
BNA_E
ClientSampleId :
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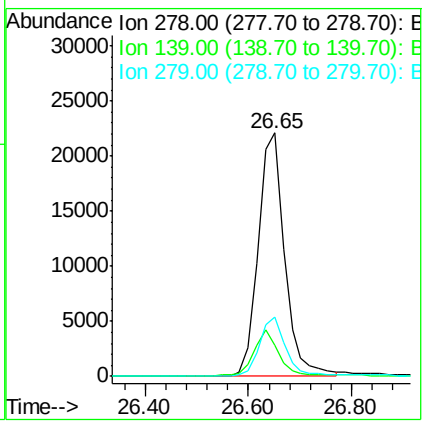

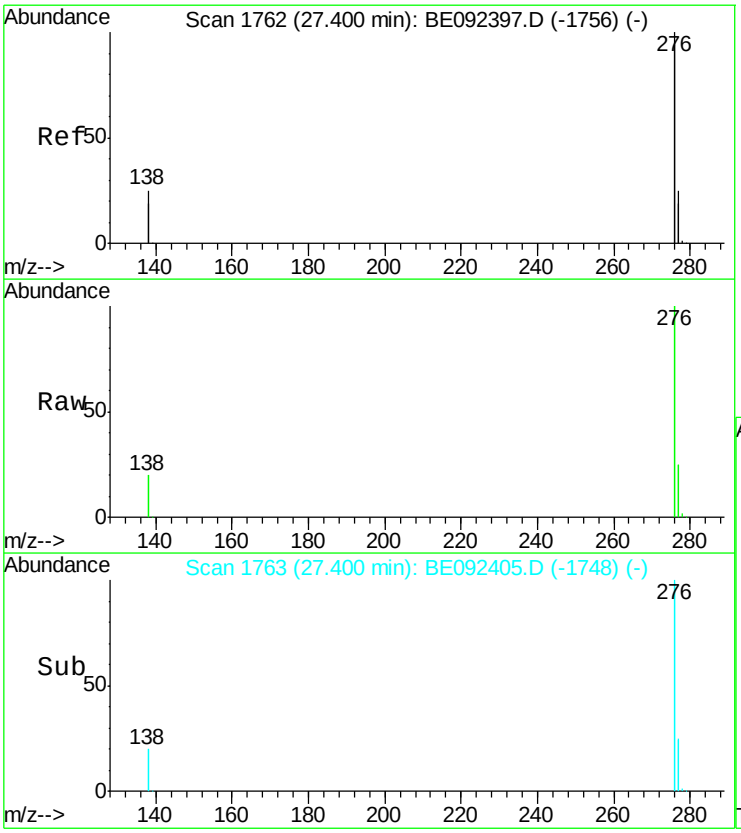

#36
Benzo(g,h,i)perylene
Concen: 3.33 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092405.D
Acq: 22 Sep 2016 20:54

Tgt Ion:276 Resp: 318632

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	20.2	19.8	29.6