Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
Data File : BE092400.D
Acq On : 22 Sep 2016 17:49
Operator : UM/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE092216

Manual Integrations APPROVED
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9/23/2016 6:47:22 PM

Quant Time: Sep 22 18:39:58 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	8.16	152	8279	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	41048	5.00	ng		0.00
12) Acenaphthene-d10	14.81	164	32772	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	69869	5.00	ng		0.02
24) Chrysene-d12	21.75	240	88579	5.00	ng		0.00
31) Perylene-d12	24.12	264	77062	5.00	ng		0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	552	0.39	ng		0.00
5) Phenol-d6	7.36	99	694	0.33	ng		0.00
8) Nitrobenzene-d5	9.36	82	778	0.40	ng		0.00
13) 2,4,6-Tribromophenol	16.33	330	298	0.41	ng		0.01
14) 2-Fluorobiphenyl	13.46	172	2901	0.37	ng		0.01
26) Terphenyl-d14	20.19	244	4129	0.38	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	402	0.35	ng		97
3) n-Nitrosodimethylamine	3.79	42	339	0.44	ng	#	98
6) bis(2-Chloroethyl)ether	7.61	93	556	0.34	ng	#	25
9) Naphthalene	11.01	128	3653	0.41	ng		99
10) Hexachlorobutadiene	11.30	225	562	0.40	ng		99
11) 2-Methylnaphthalene	12.65	142	2352	0.40	ng		94
15) Acenaphthylene	14.54	152	18038	0.38	ng		100
16) Acenaphthene	14.88	154	3031	0.41	ng		96
17) Fluorene	15.87	166	3608	0.38	ng		99
19) Hexachlorobenzene	16.89	284	1099	0.37	ng		99
20) Pentachlorophenol	17.26	266	227	0.38	ng		95
21) Phenanthrene	17.63	178	6051	0.38	ng	#	74
22) Anthracene	17.72	178	5576	0.36	ng		100
23) Fluoranthene	19.61	202	28242	0.37	ng		100
25) Pyrene	19.99	202	29106	0.38	ng		100
27) Benzo(a)anthracene	21.72	228	32681m	0.38	ng		
28) Chrysene	21.77	228	32978m	0.42	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	2391	0.32	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.63	276	30570	0.36	ng		99
32) Benzo(b)fluoranthene	23.39	252	7447	0.40	ng		97
33) Benzo(k)fluoranthene	23.44	252	7272	0.37	ng		99
34) Benzo(a)pyrene	24.01	252	6928	0.38	ng		99
35) Dibenzo(a,h)anthracene	26.65	278	6296	0.38	ng		97
36) Benzo(g,h,i)perylene	27.40	276	27902	0.39	ng		99

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

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Instrument :
BNA_E
ClientSampleId :
ICVBE092216

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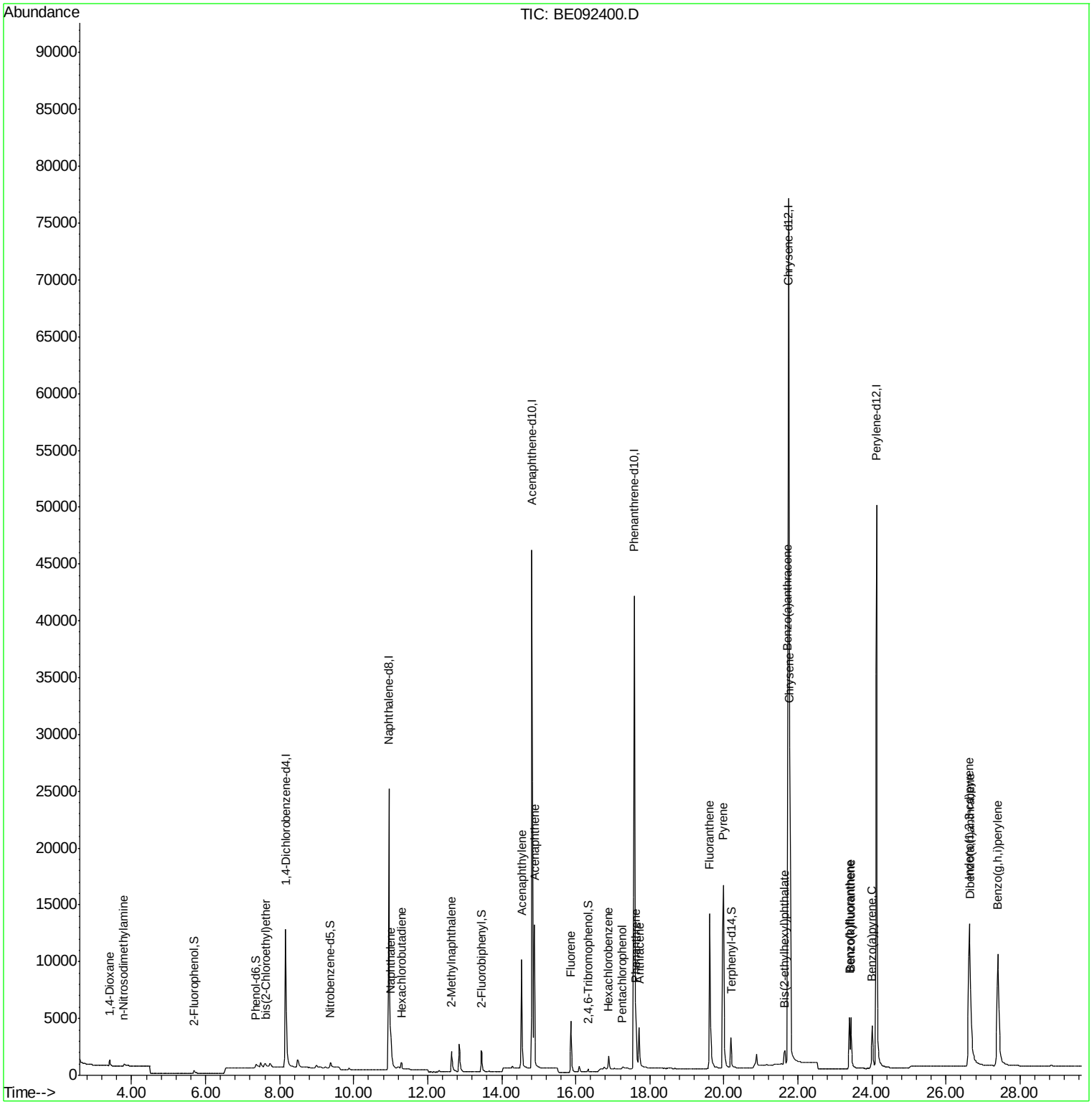
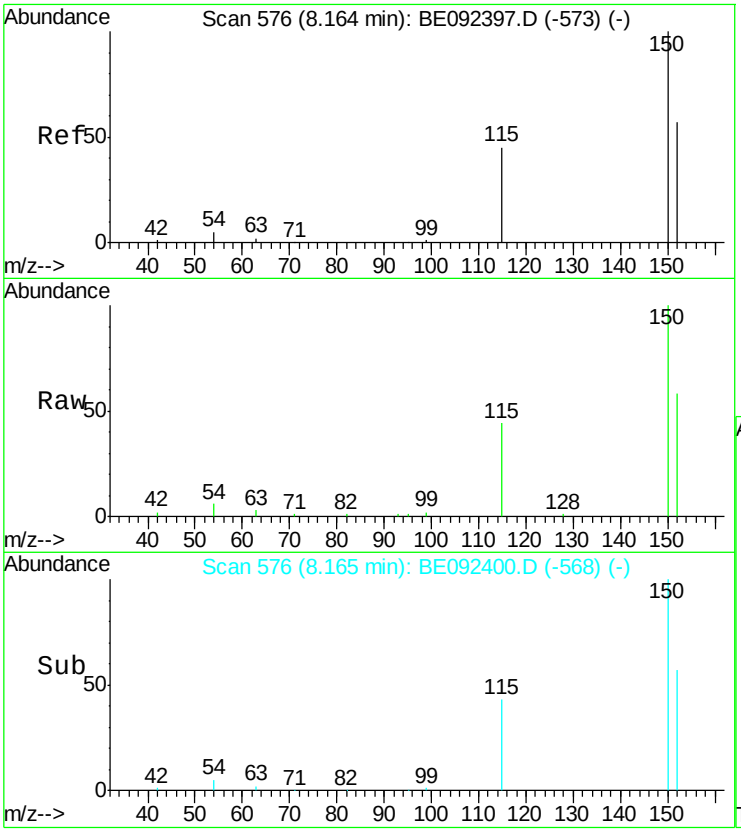
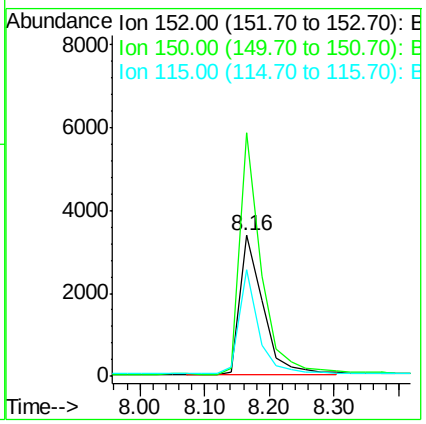




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:152 Resp: 8279

Ion	Ratio	Lower	Upper
152	100		
150	173.1	106.0	159.0#
115	76.2	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
ICVBE092216

Manual Integrations APPROVED
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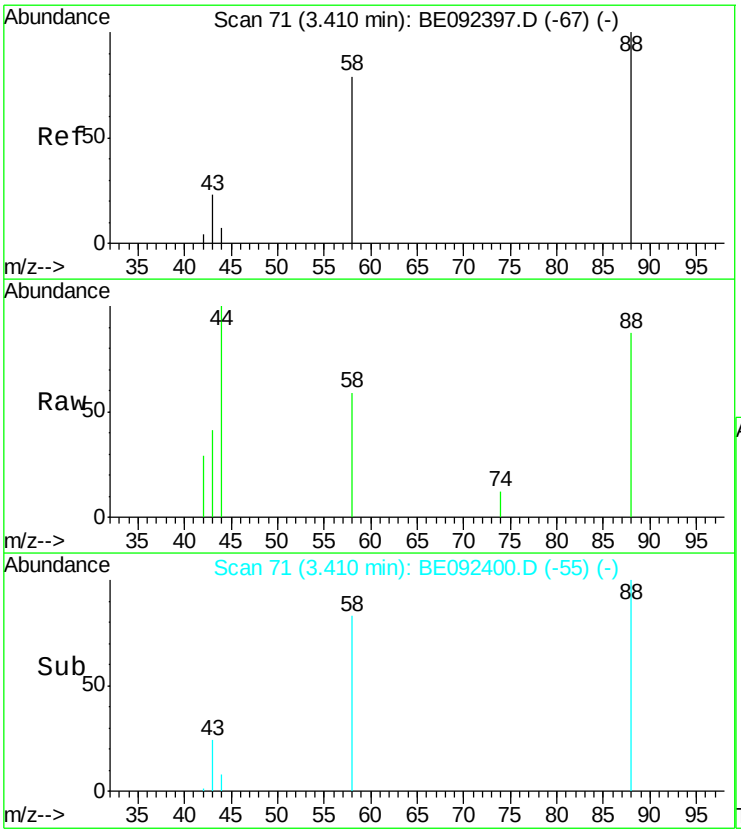
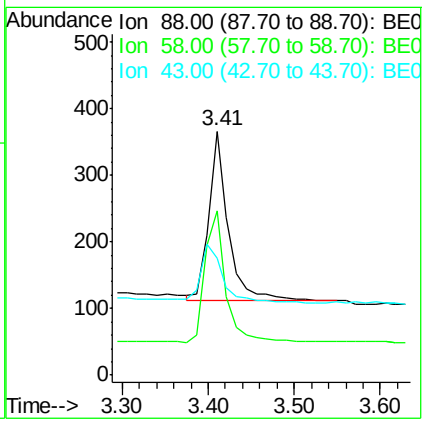
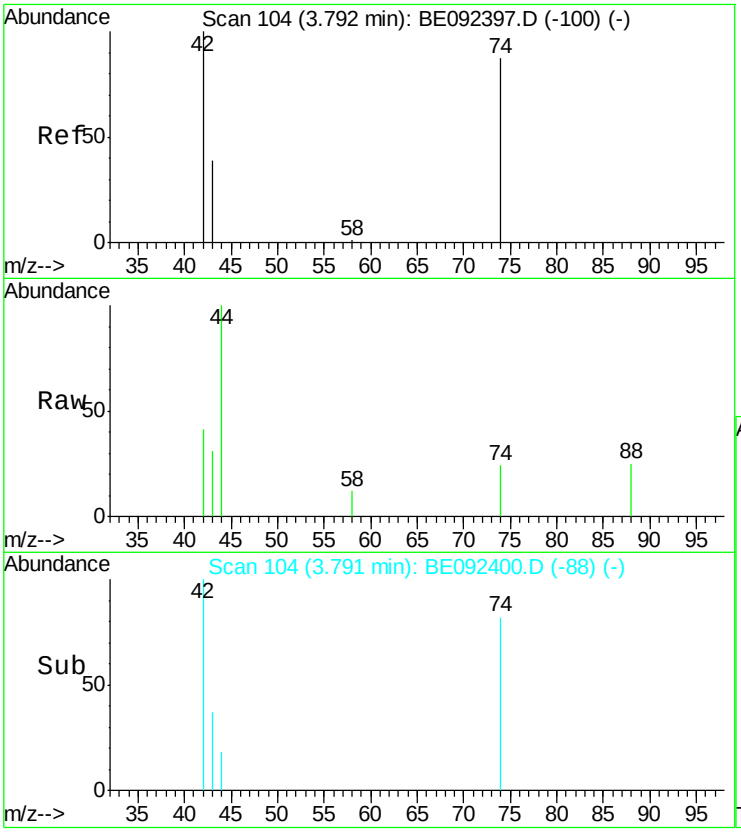


#2
1,4-Dioxane
Concen: 0.35 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion: 88 Resp: 402

Ion	Ratio	Lower	Upper
88	100		
58	80.3	63.6	95.4
43	39.3	28.0	42.0

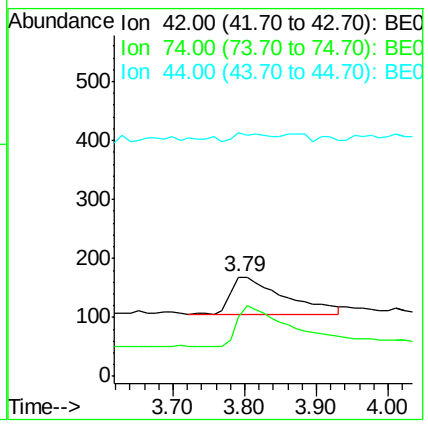




#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.79 min Scan# 104
Delta R.T. -0.01 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion: 42 Resp: 339

Ion	Ratio	Lower	Upper
42	100		
74	108.6	86.0	129.0
44	13.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
ICVBE092216

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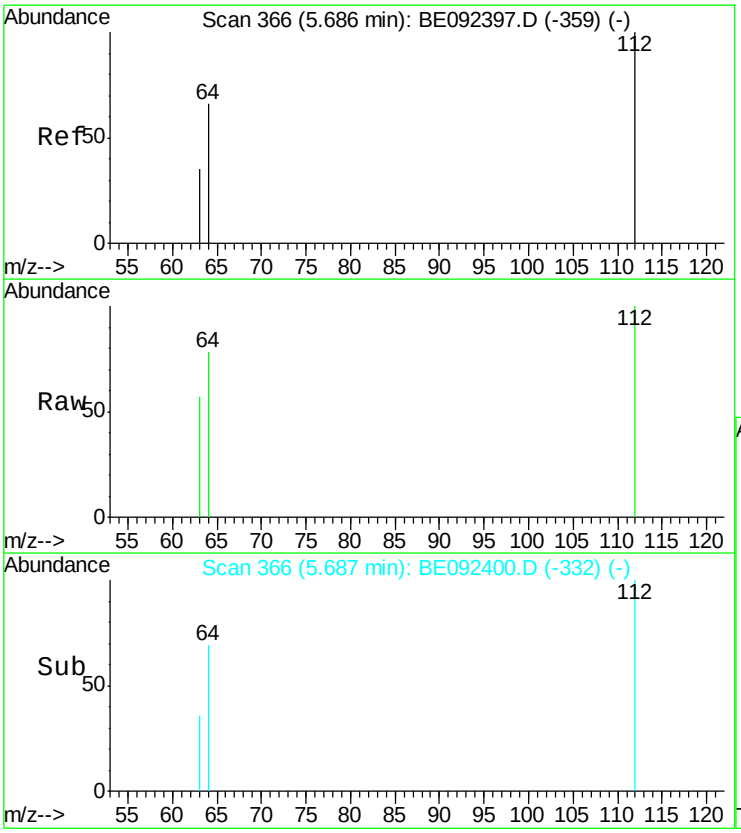
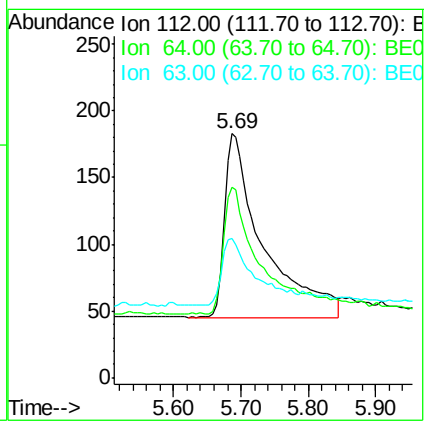
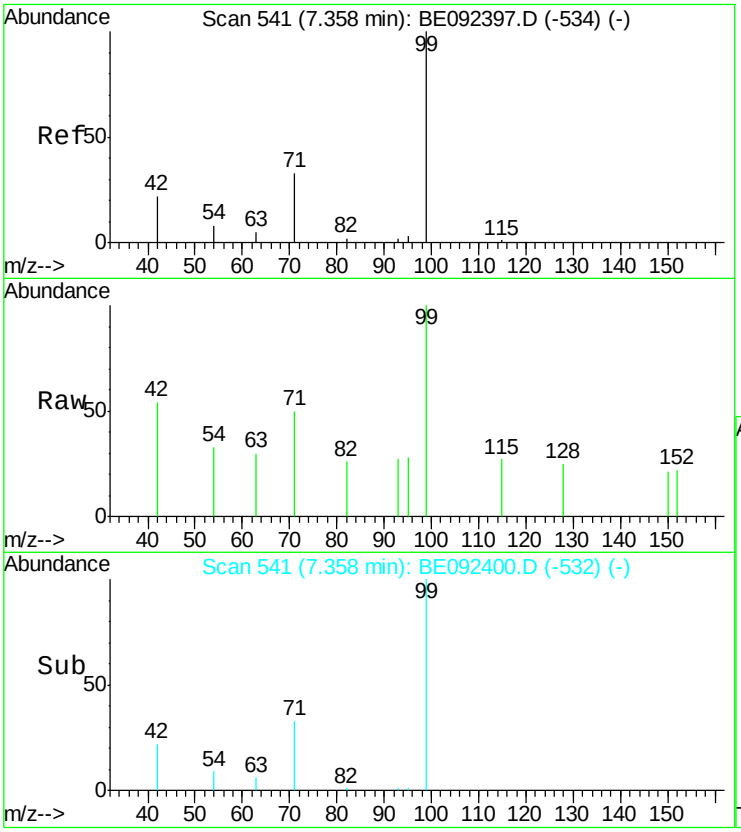


#4
2-Fluorophenol
Concen: 0.39 ng
RT: 5.69 min Scan# 366
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:112 Resp: 552

Ion	Ratio	Lower	Upper
112	100		
64	67.4	53.5	80.3
63	31.0	27.9	41.9

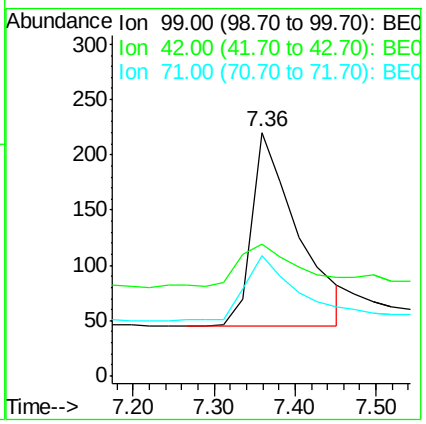




#5
Phenol-d6
Concen: 0.33 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion: 99 Resp: 694

Ion	Ratio	Lower	Upper
99	100		
42	28.7	16.0	24.0#
71	36.9	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
ICVBE092216

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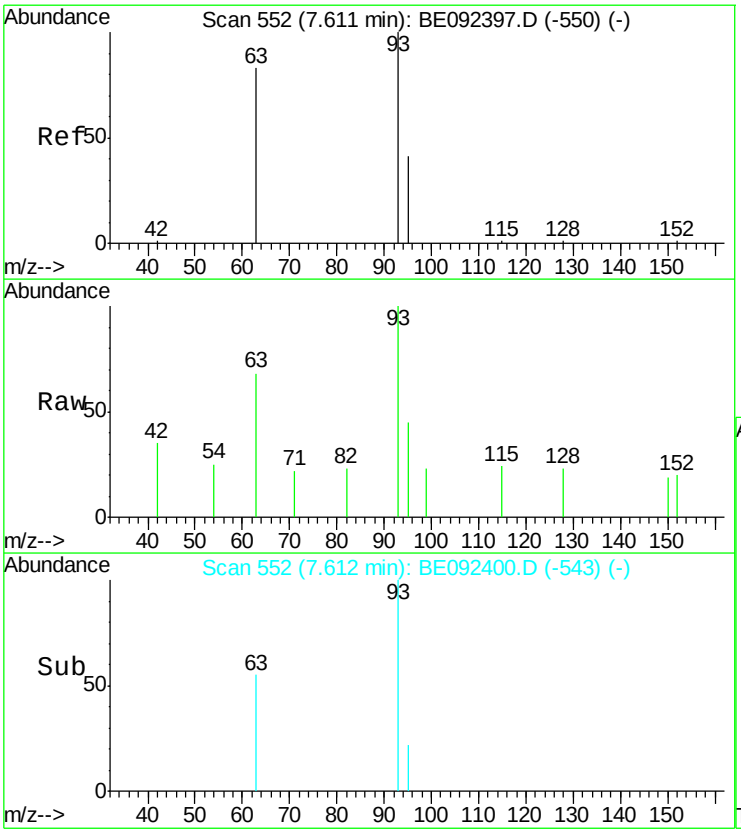
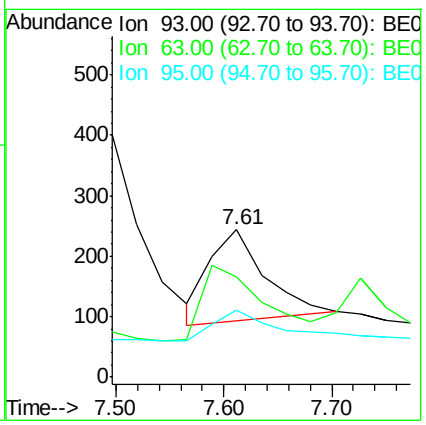
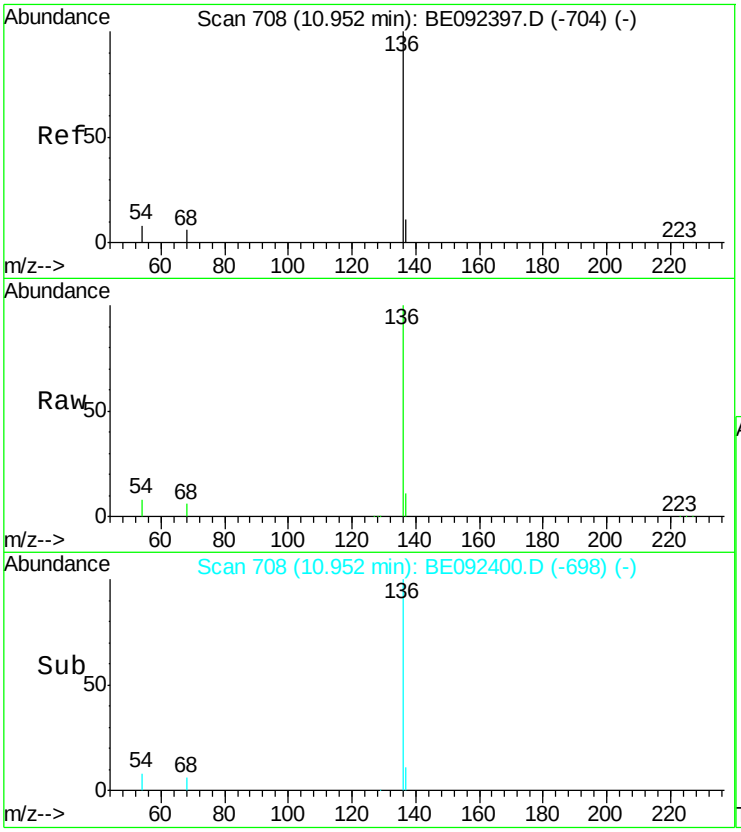


#6
bis(2-Chloroethyl)ether
Concen: 0.34 ng
RT: 7.61 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion: 93 Resp: 556

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	37.2	24.0	36.0#

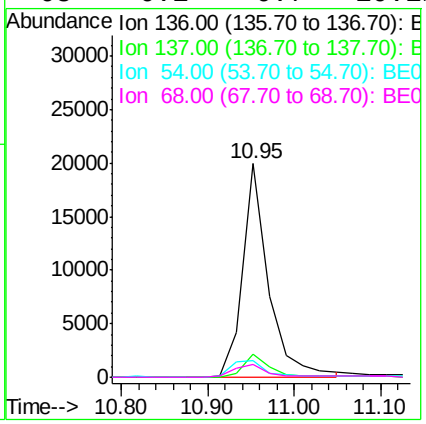




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:136 Resp: 41048

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	8.0	9.6	14.4#
68	6.1	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
ICVBE092216

Manual Integrations APPROVED
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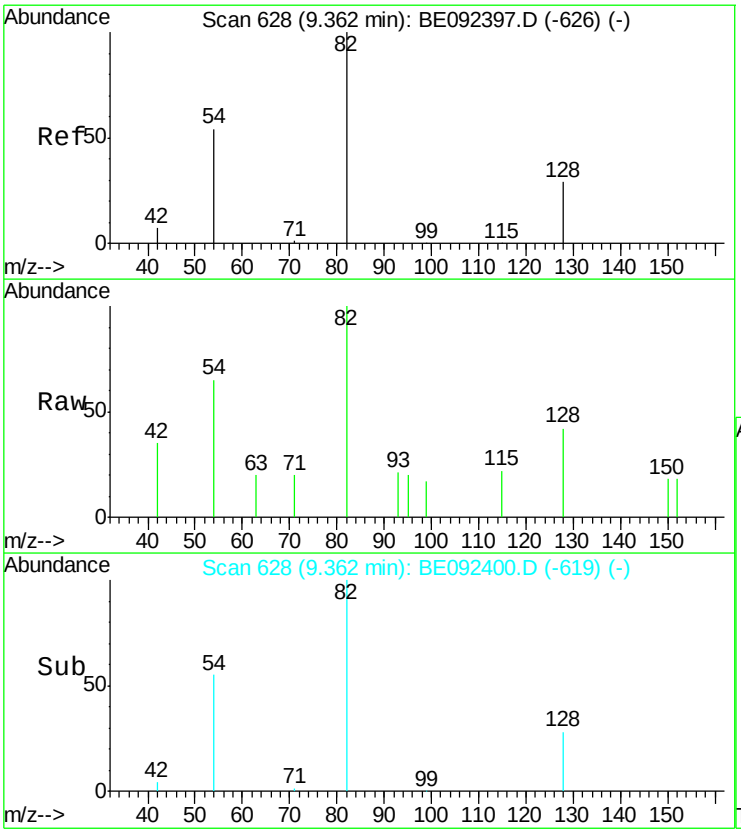
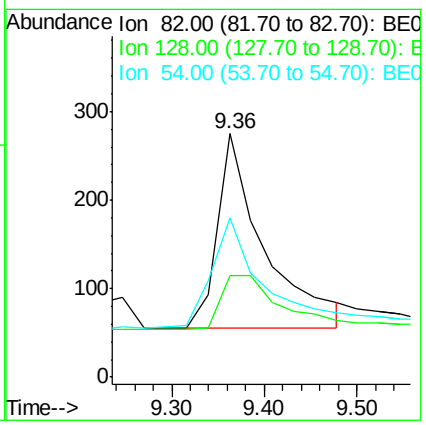
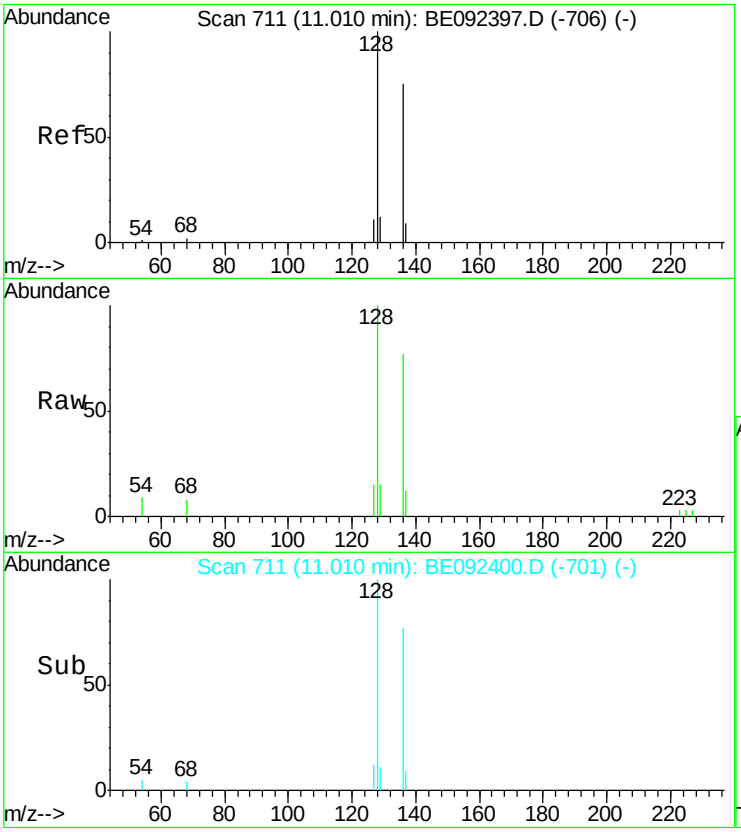


#8
Nitrobenzene-d5
Concen: 0.40 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion: 82 Resp: 778

Ion	Ratio	Lower	Upper
82	100		
128	41.8	39.0	58.4
54	65.5	44.8	67.2

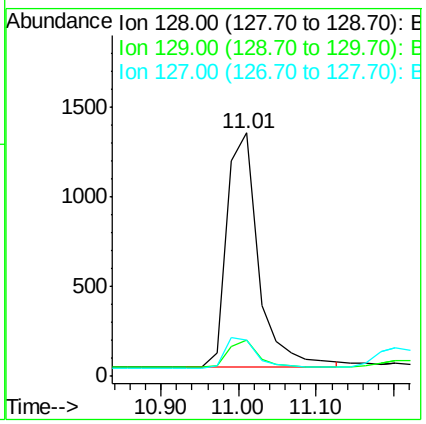




#9
Naphthalene
Concen: 0.41 ng
RT: 11.01 min Scan# 711
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:128 Resp: 3653

Ion	Ratio	Lower	Upper
128	100		
129	14.7	11.2	16.8
127	14.9	11.6	17.4



Instrument :
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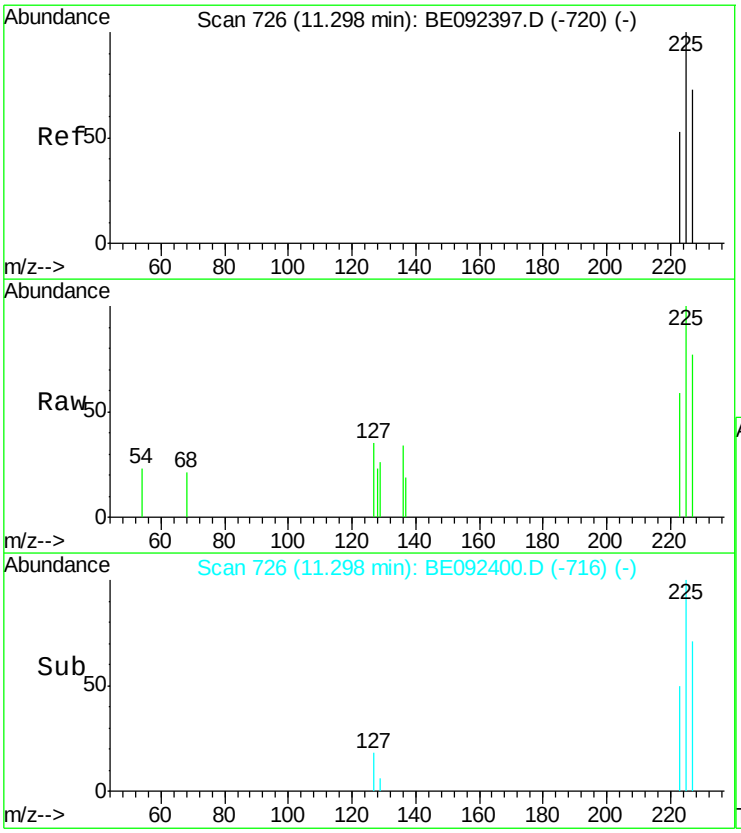
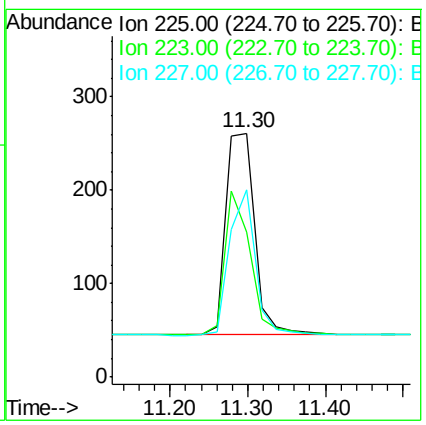
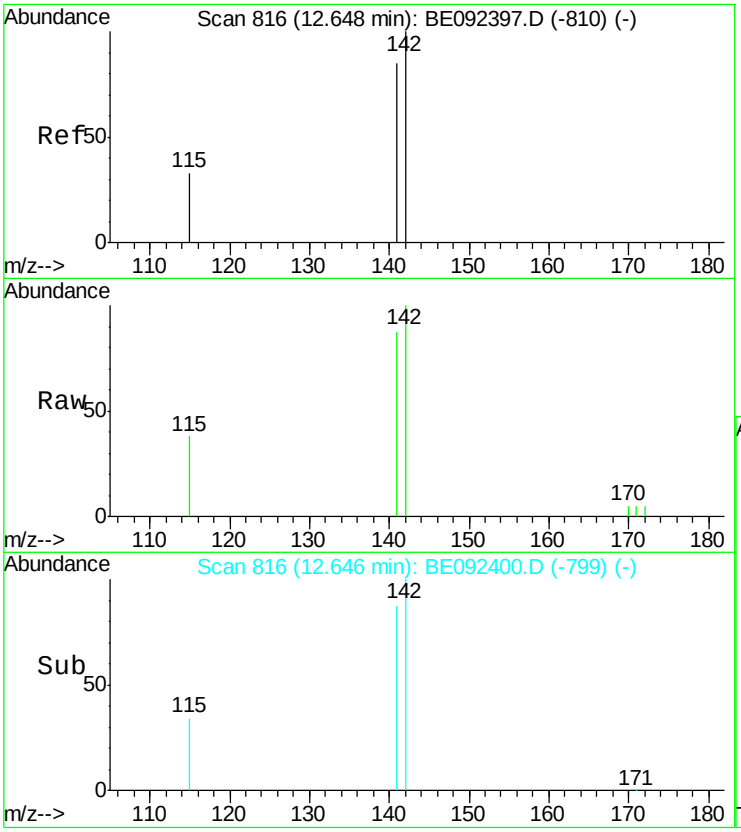


#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.30 min Scan# 726
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:225 Resp: 562

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.6	76.0
227	65.3	51.4	77.0

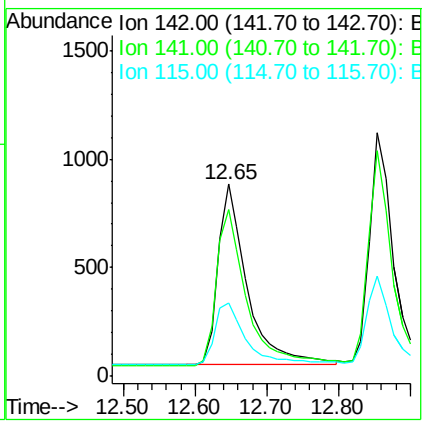




#11
2-Methylnaphthalene
Concen: 0.40 ng
RT: 12.65 min Scan# 816
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:142 Resp: 2352

Ion	Ratio	Lower	Upper
142	100		
141	86.7	73.7	110.5
115	38.1	34.0	51.0



Instrument :
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ClientSampleId :
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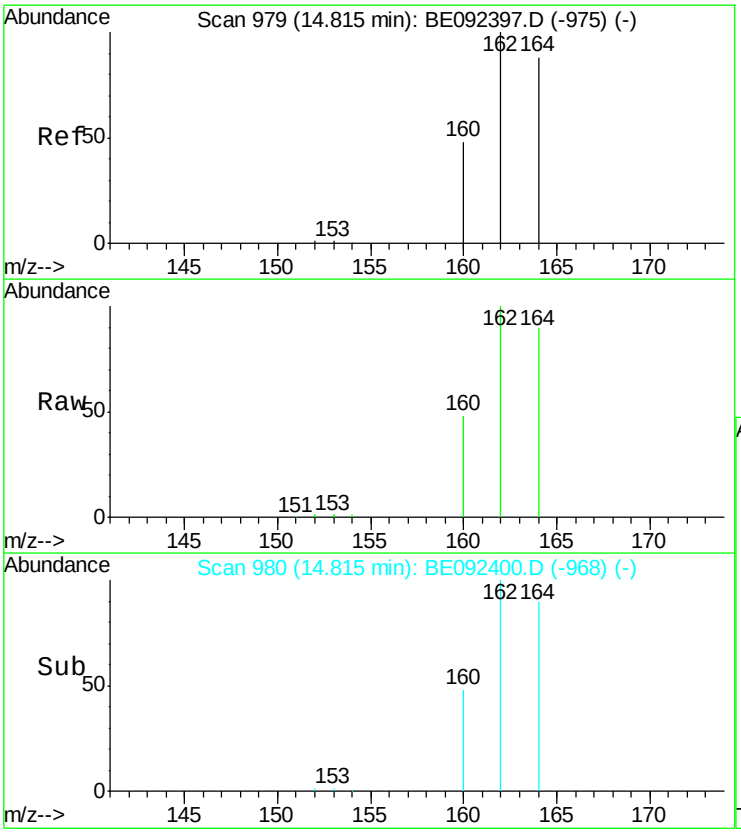
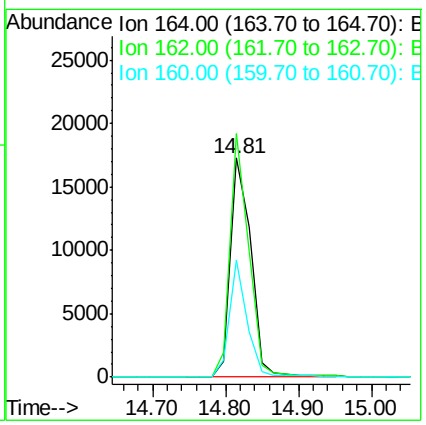
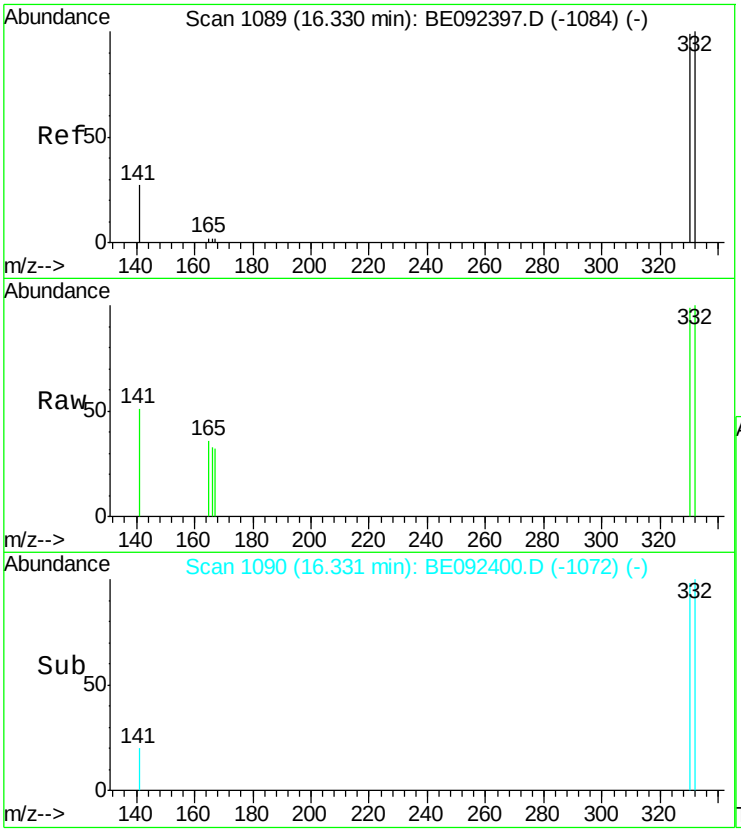


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:164 Resp: 32772

Ion	Ratio	Lower	Upper
164	100		
162	111.1	71.4	107.0#
160	53.2	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 16.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:330 Resp: 298

Ion	Ratio	Lower	Upper
330	100		
332	94.6	75.4	113.0
141	40.9	31.0	46.6

Instrument :
BNA_E
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Manual Integrations APPROVED
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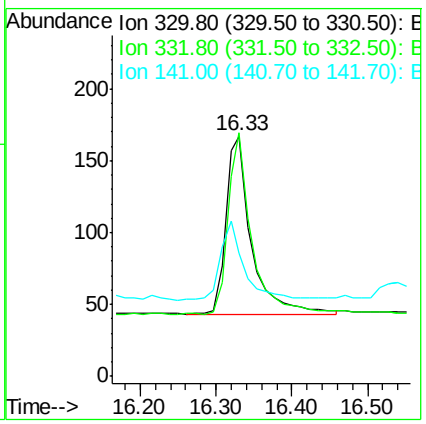
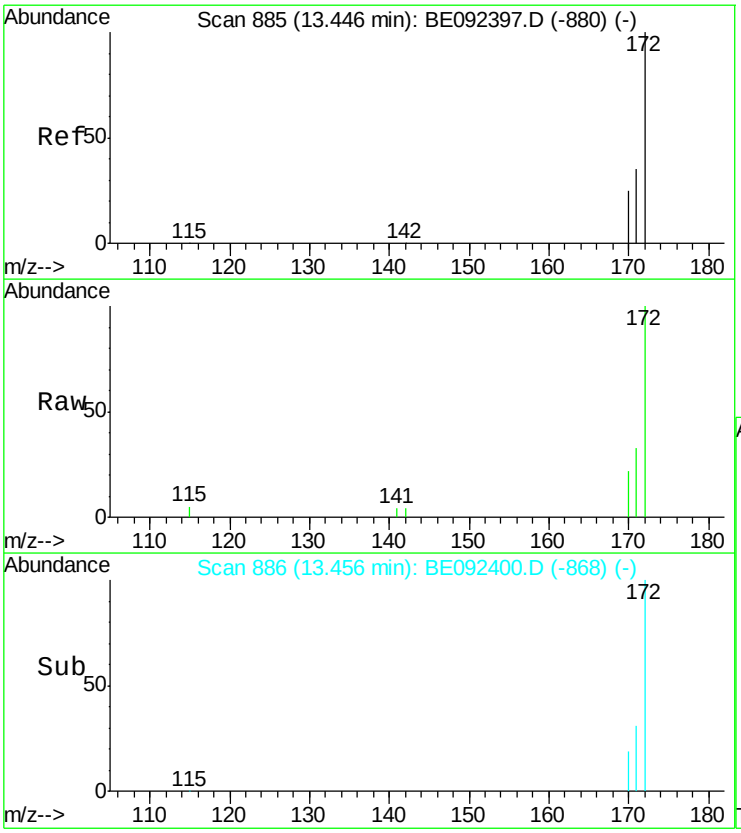
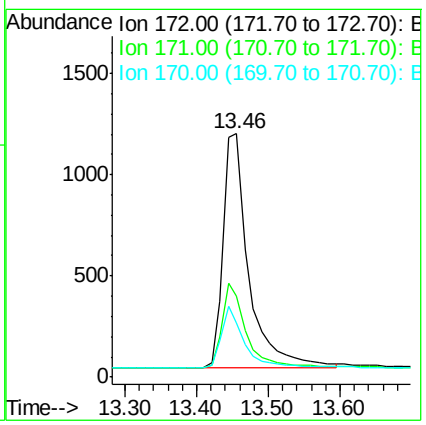


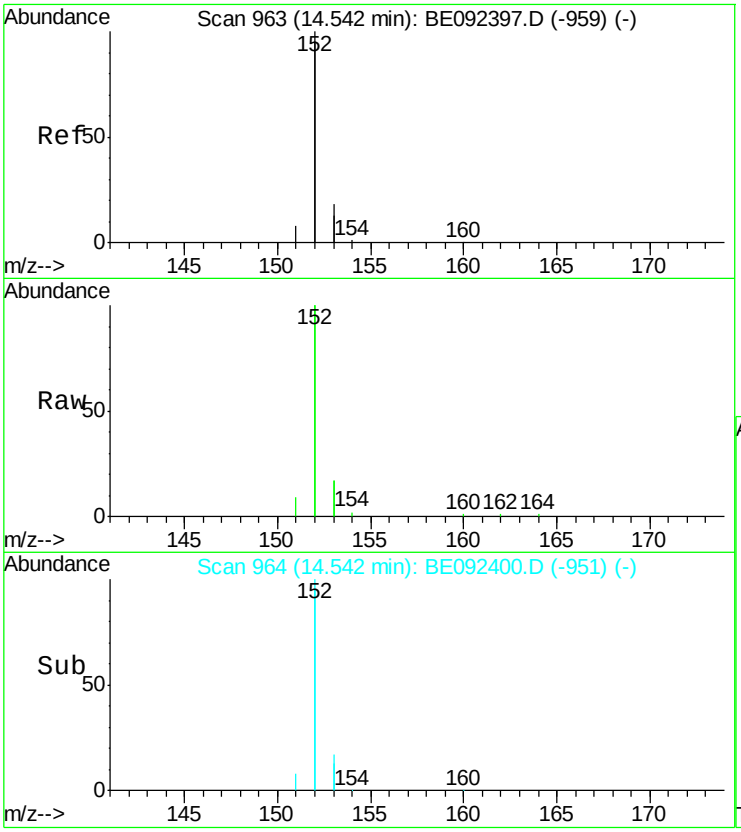


#14
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.46 min Scan# 886
Delta R.T. 0.01 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:172 Resp: 2901

Ion	Ratio	Lower	Upper
172	100		
171	33.3	30.1	45.1
170	22.4	21.8	32.6

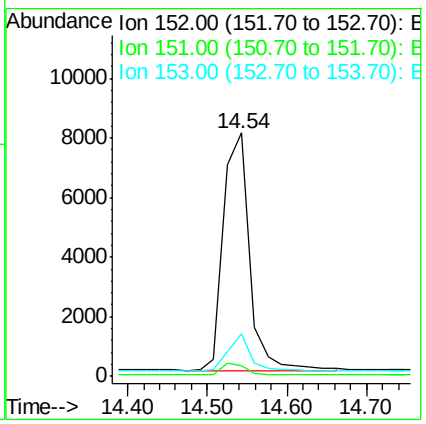




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.54 min Scan# 964
Delta R.T. 0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:152 Resp: 18038

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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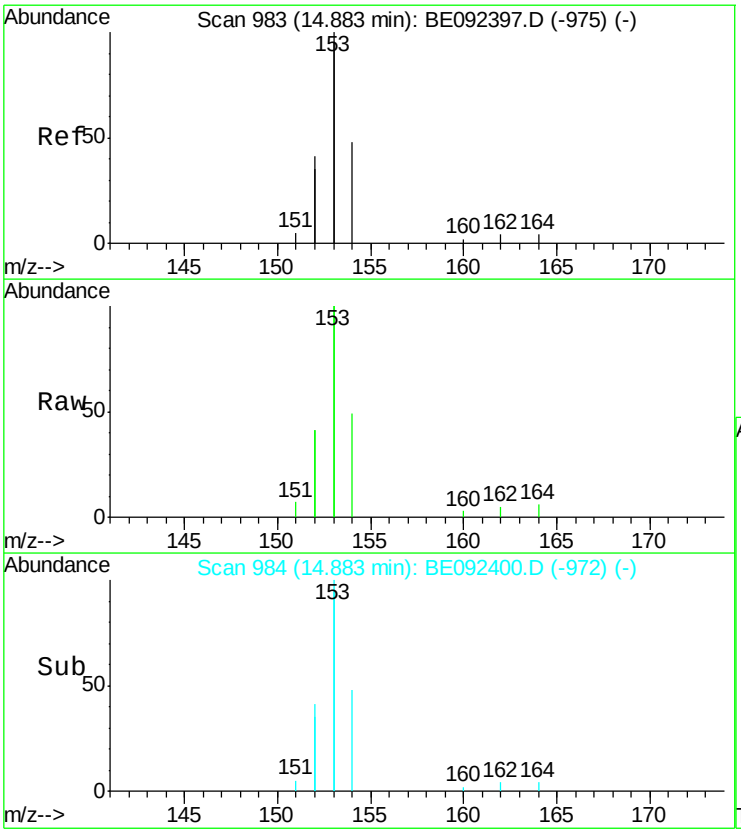
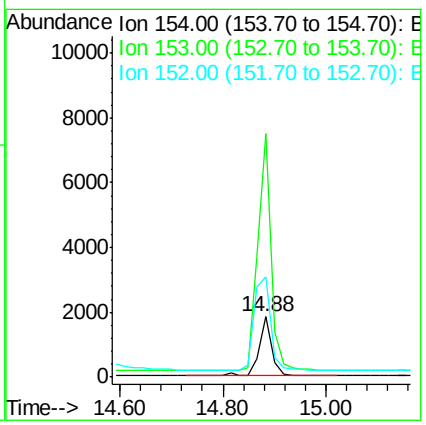
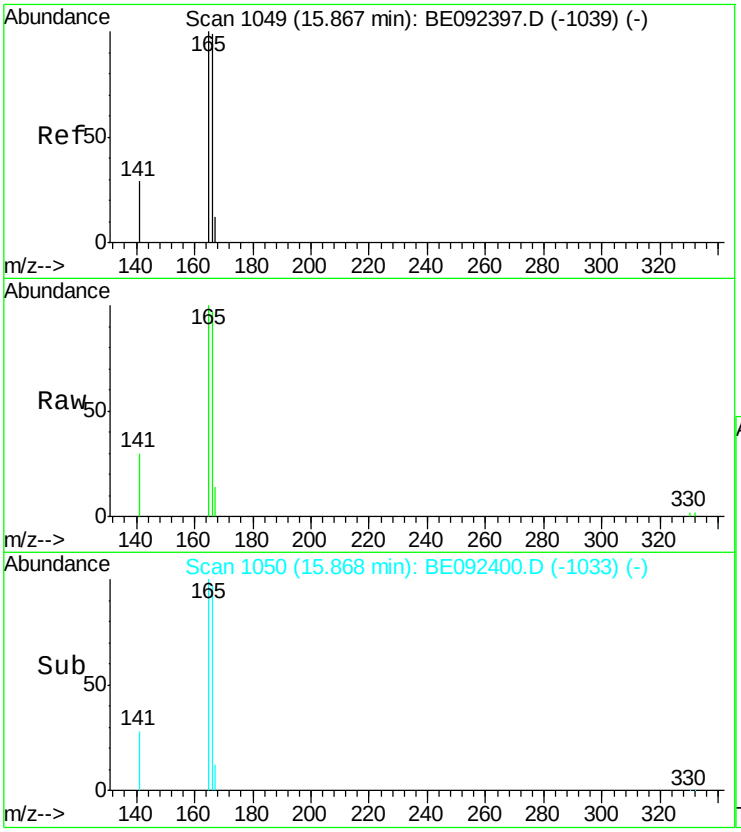


#16
Acenaphthene
Concen: 0.41 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:154 Resp: 3031

Ion	Ratio	Lower	Upper
154	100		
153	426.4	350.8	526.2
152	207.8	171.1	256.7





#17
Fluorene
Concen: 0.38 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:166 Resp: 3608

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	13.4	11.0	16.4

Instrument :
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ClientSampleId :
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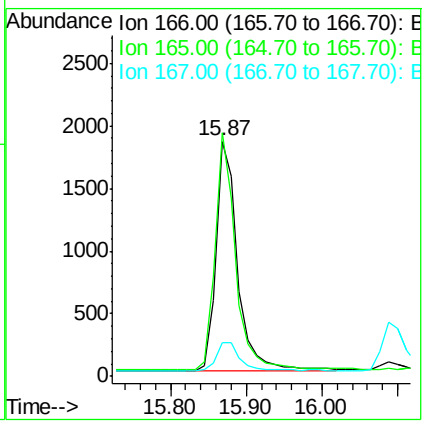
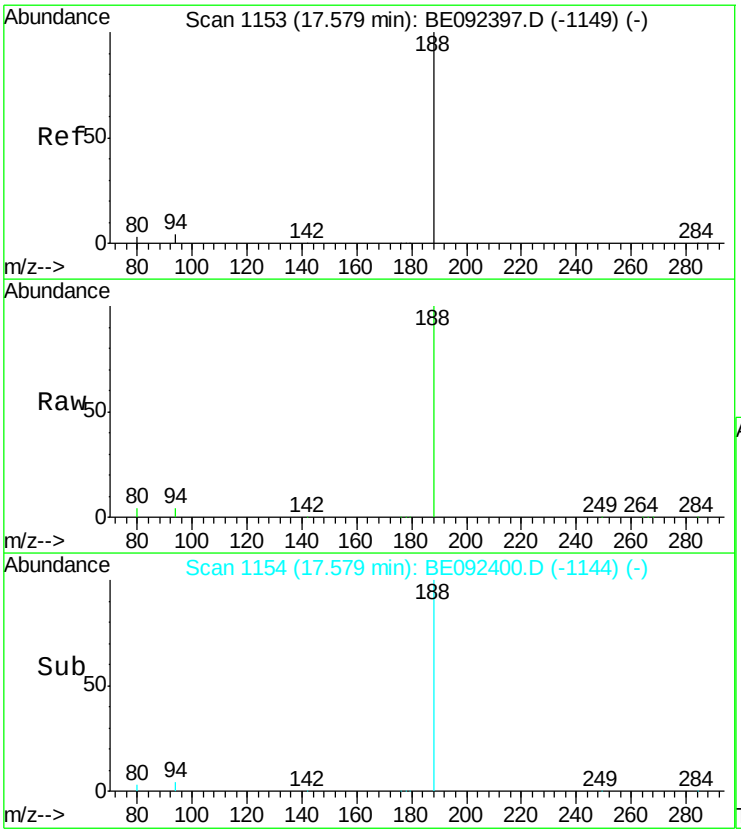
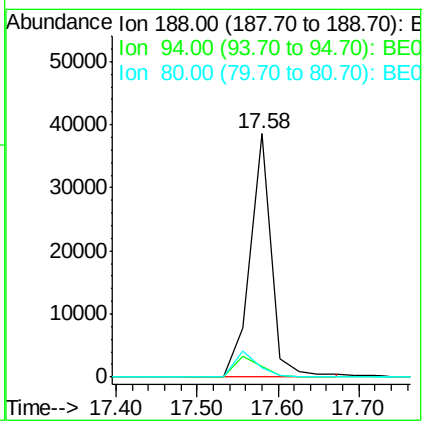


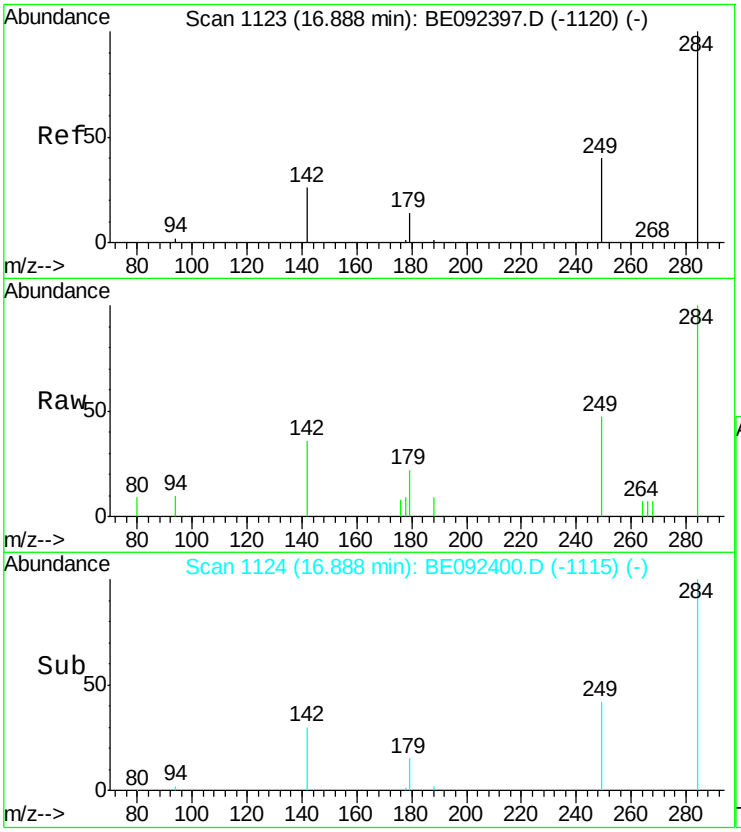


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:188 Resp: 69869

Ion	Ratio	Lower	Upper
188	100		
94	4.3	3.2	4.8
80	3.6	2.6	3.8

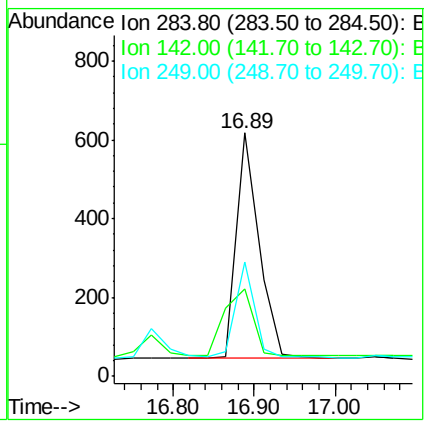




#19
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:284 Resp: 1099

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.1	43.7
249	35.8	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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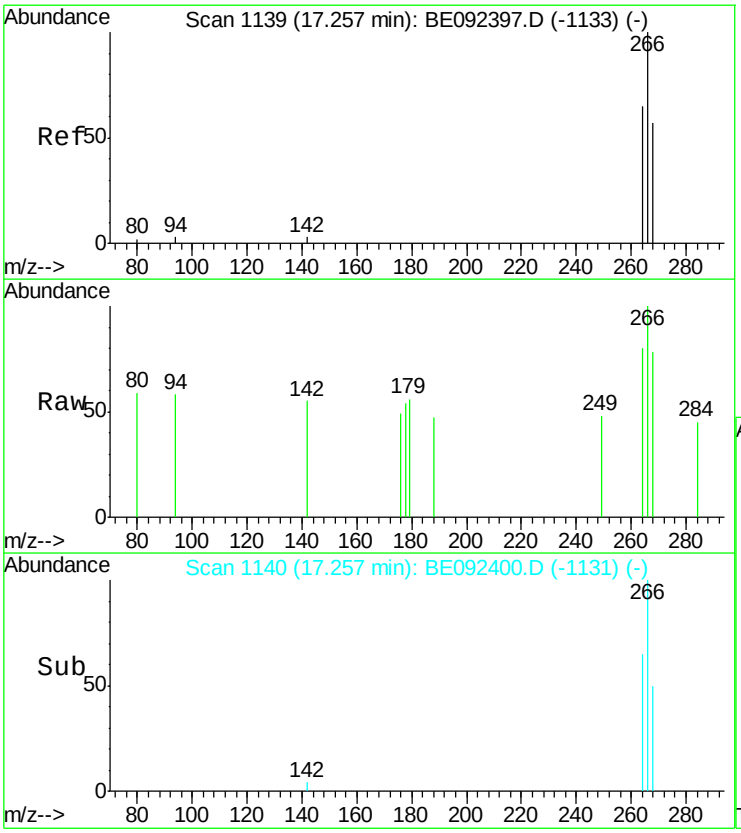
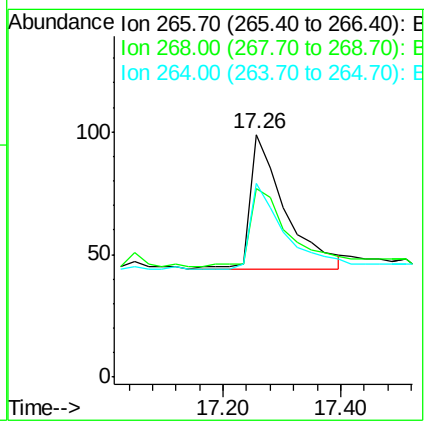
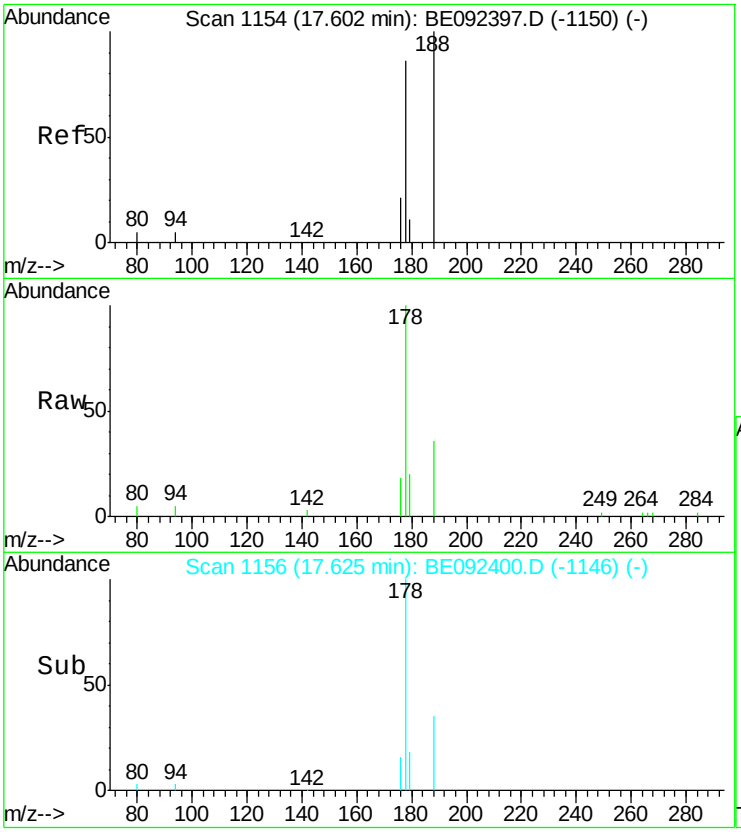


#20
Pentachlorophenol
Concen: 0.38 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:266 Resp: 227

Ion	Ratio	Lower	Upper
266	100		
268	77.8	62.5	93.7
264	79.8	57.2	85.8

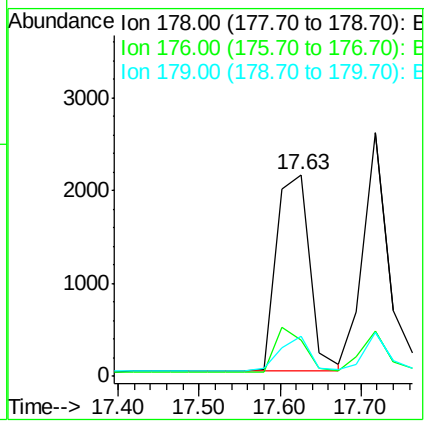




#21
Phenanthrene
Concen: 0.38 ng
RT: 17.63 min Scan# 1156
Delta R.T. 0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:178 Resp: 6051

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	16.2	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
ICVBE092216

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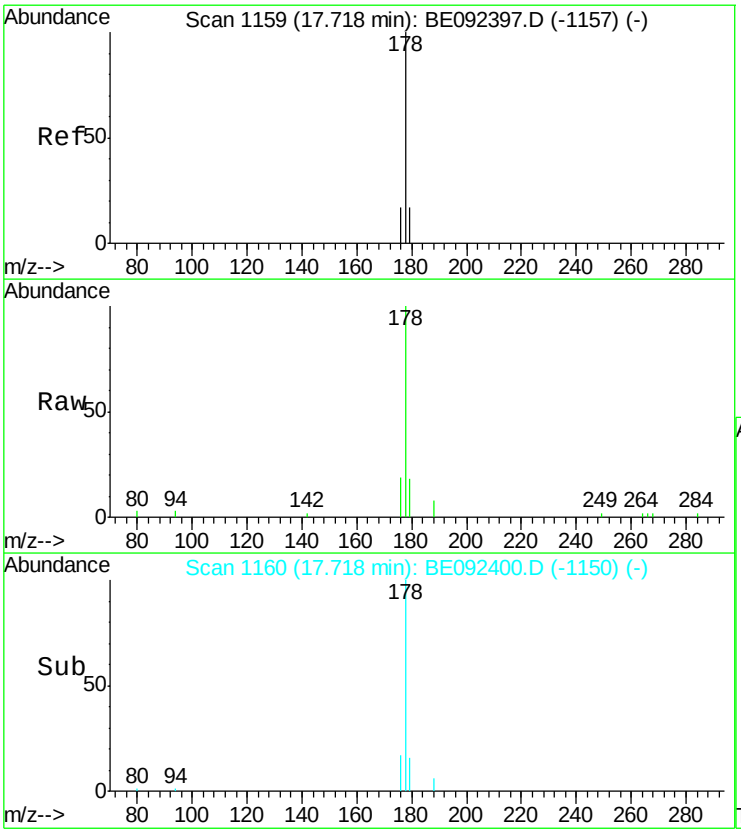
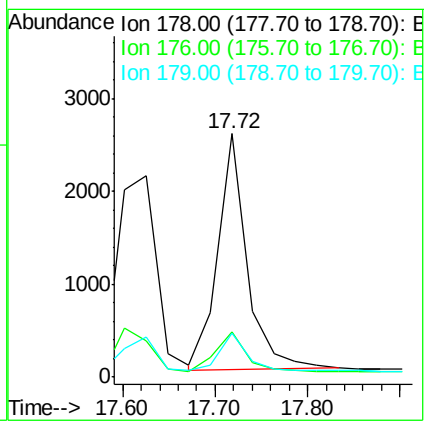
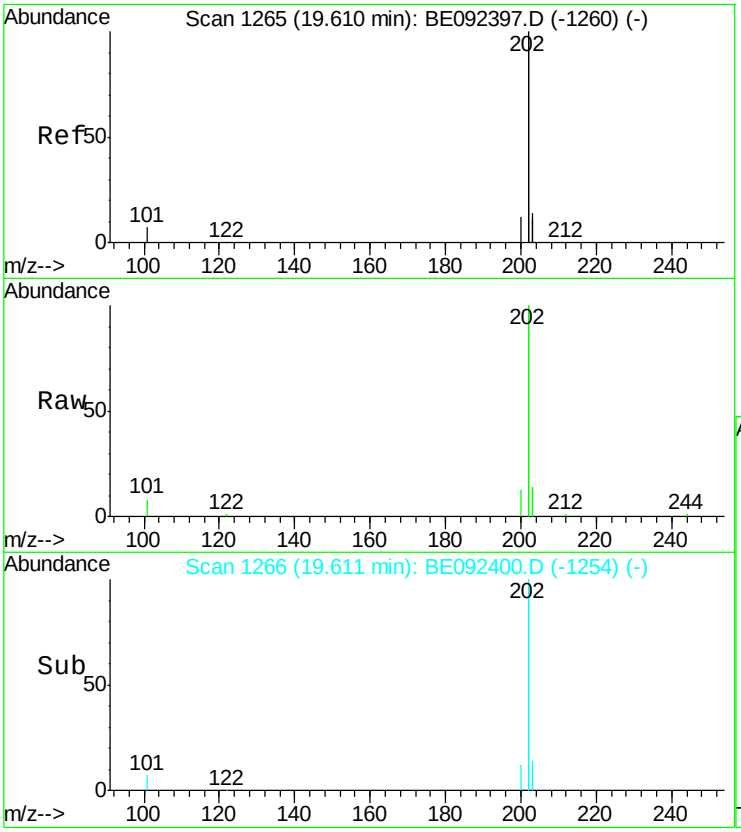


#22
Anthracene
Concen: 0.36 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:178 Resp: 5576

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.4	12.2	18.2

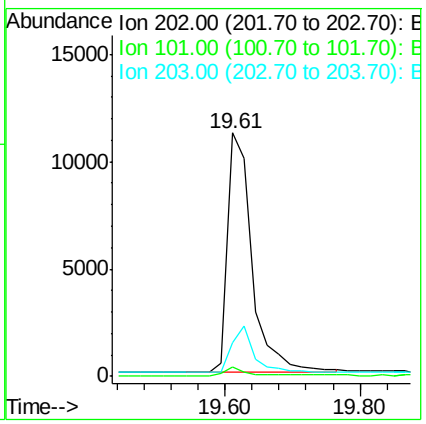




#23
Fluoranthene
Concen: 0.37 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:202 Resp: 28242

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.3	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
ICVBE092216

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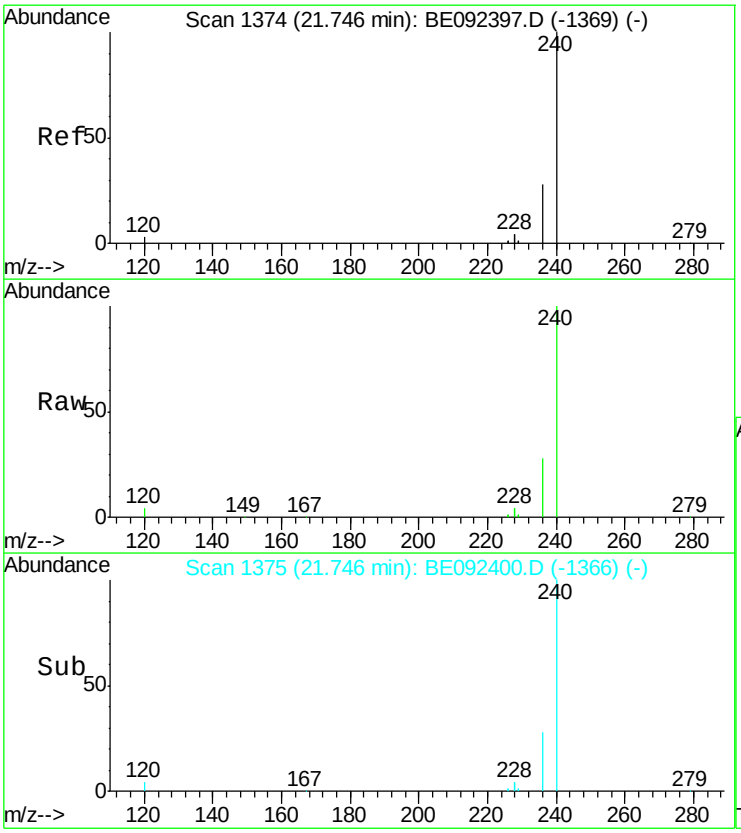
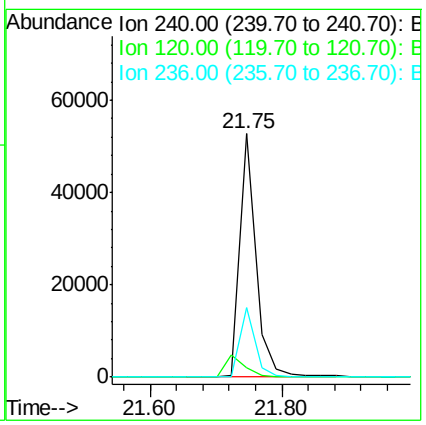
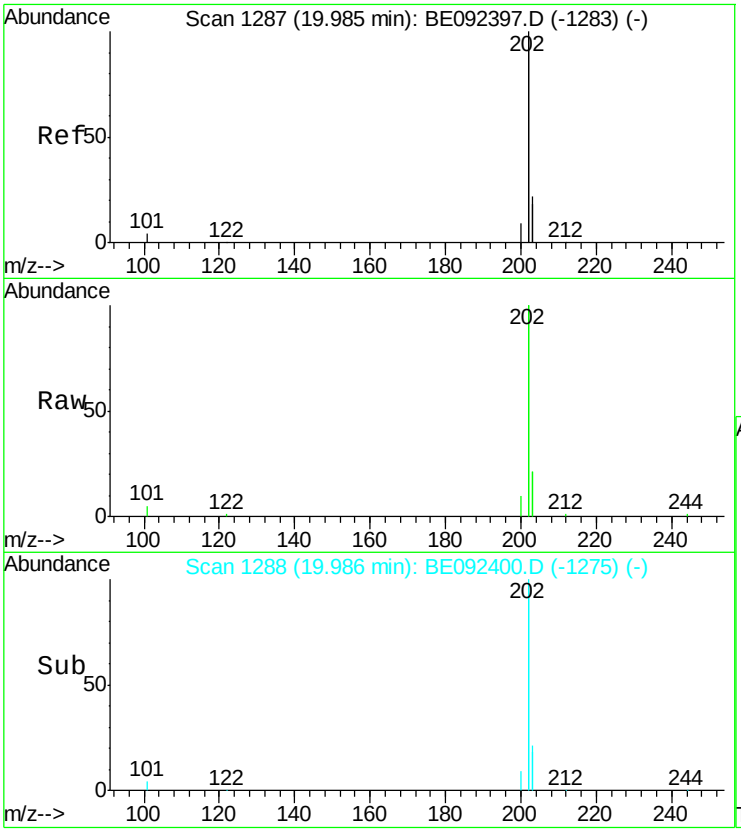


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:240 Resp: 88579

Ion	Ratio	Lower	Upper
240	100		
120	3.7	2.6	4.0
236	28.5	24.6	37.0





#25
Pyrene
Concen: 0.38 ng
RT: 19.99 min Scan# 1288
Delta R.T. 0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:202 Resp: 29106

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

Instrument :
BNA_E
ClientSampleId :
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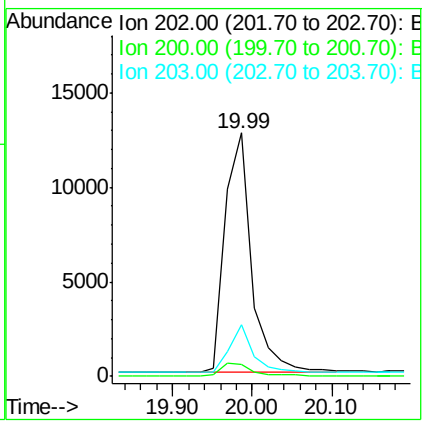
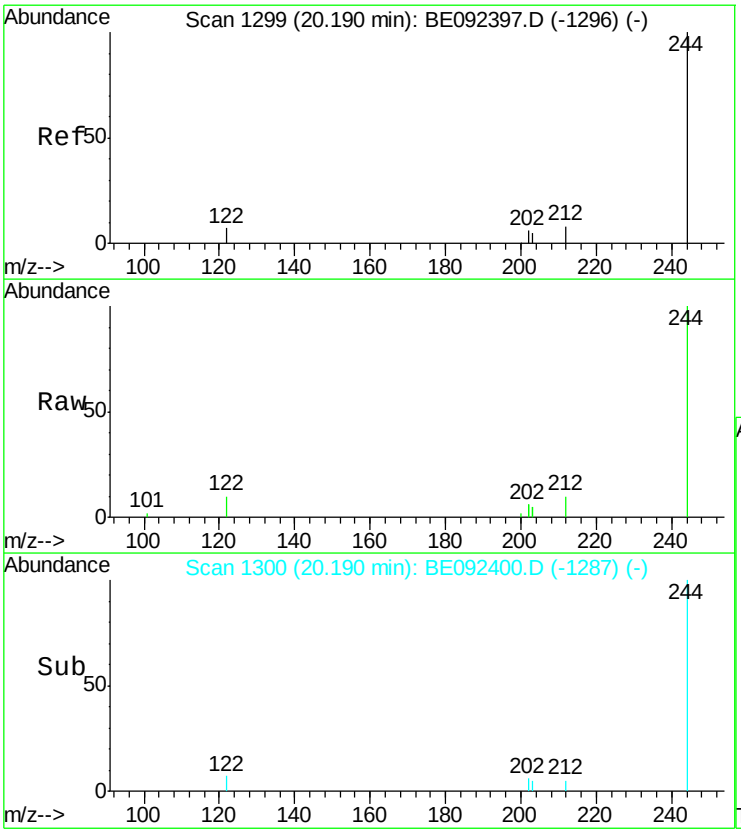
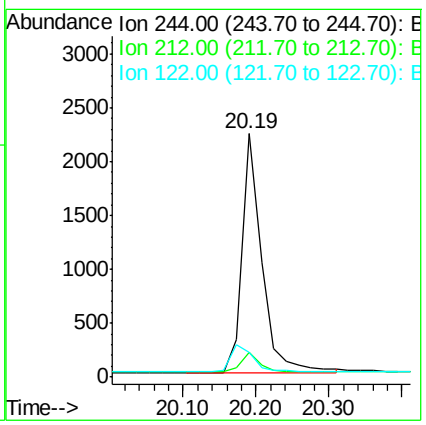


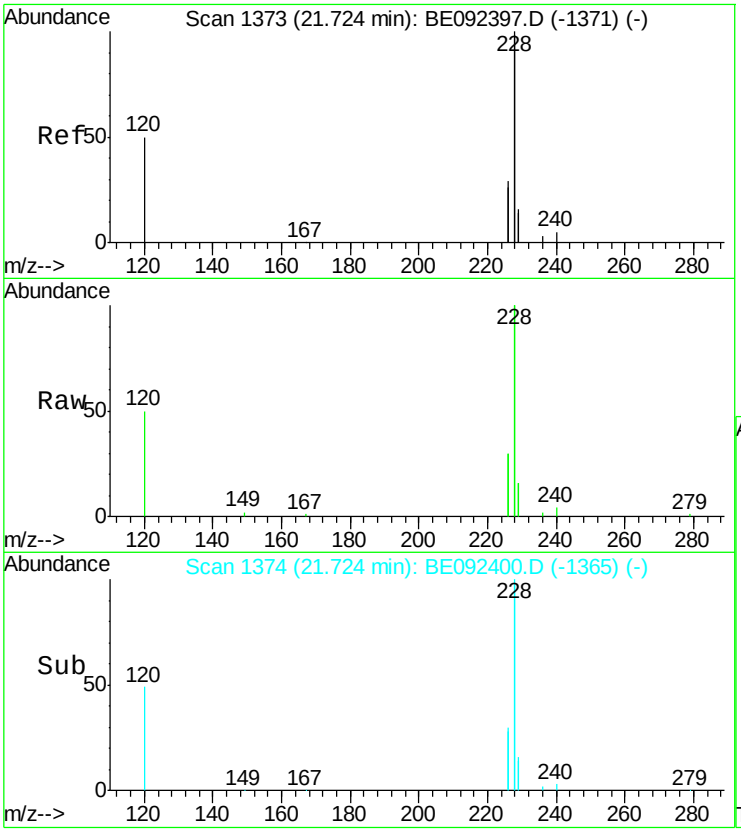


#26
Terphenyl-d14
Concen: 0.38 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:244 Resp: 4129

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

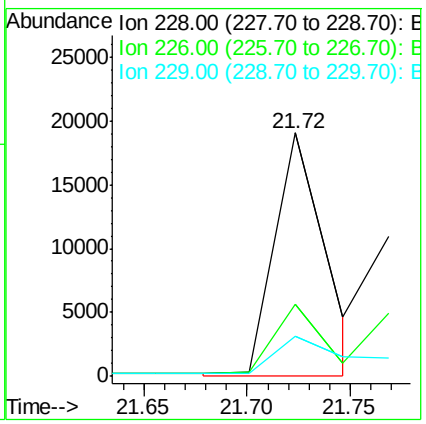




#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:228 Resp: 32681

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.6	35.4
229	16.2	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
ICVBE092216

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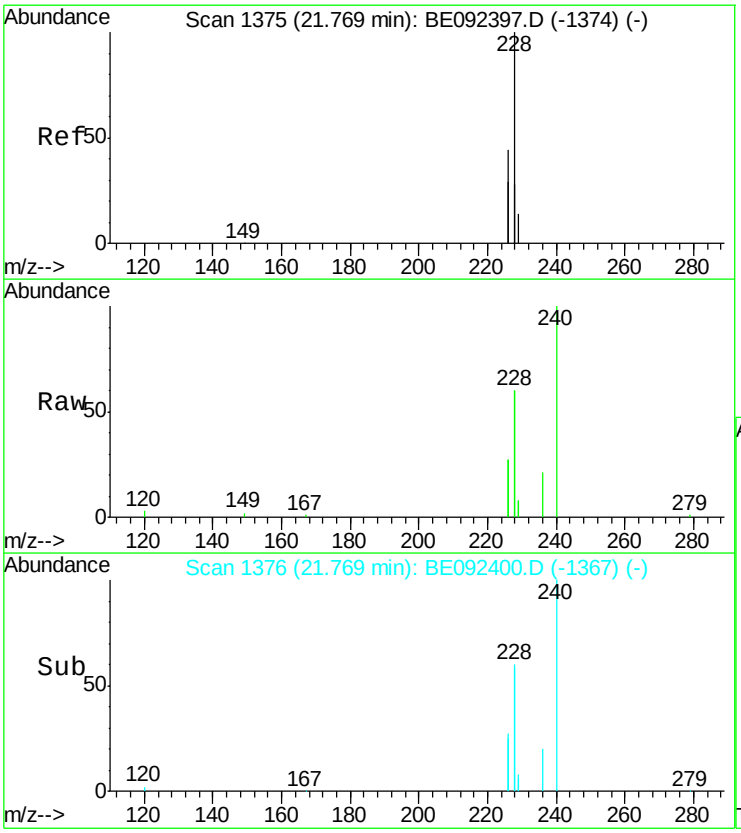
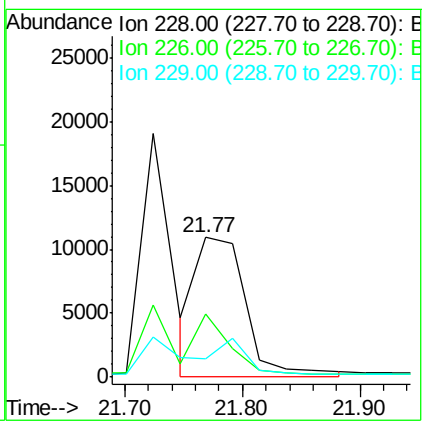
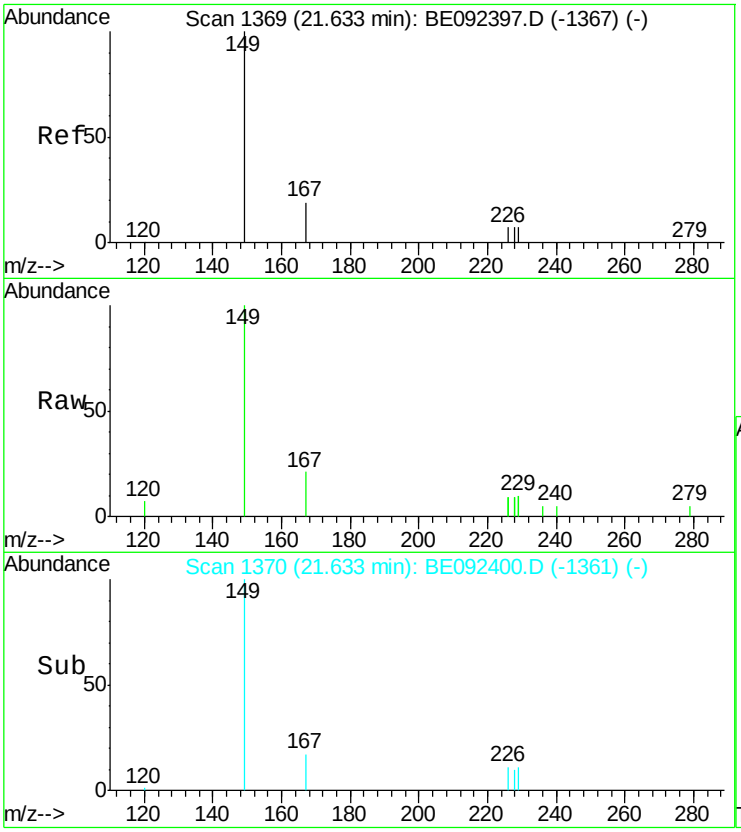


#28
Chrysene
Concen: 0.42 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:228 Resp: 32978

Ion	Ratio	Lower	Upper
228	100		
226	45.3	36.3	54.5
229	13.0	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.32 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Instrument :
BNA_E
ClientSampleId :
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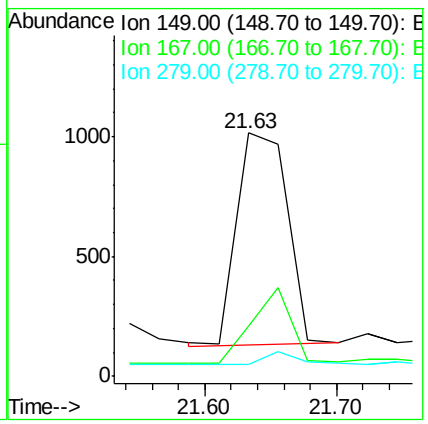
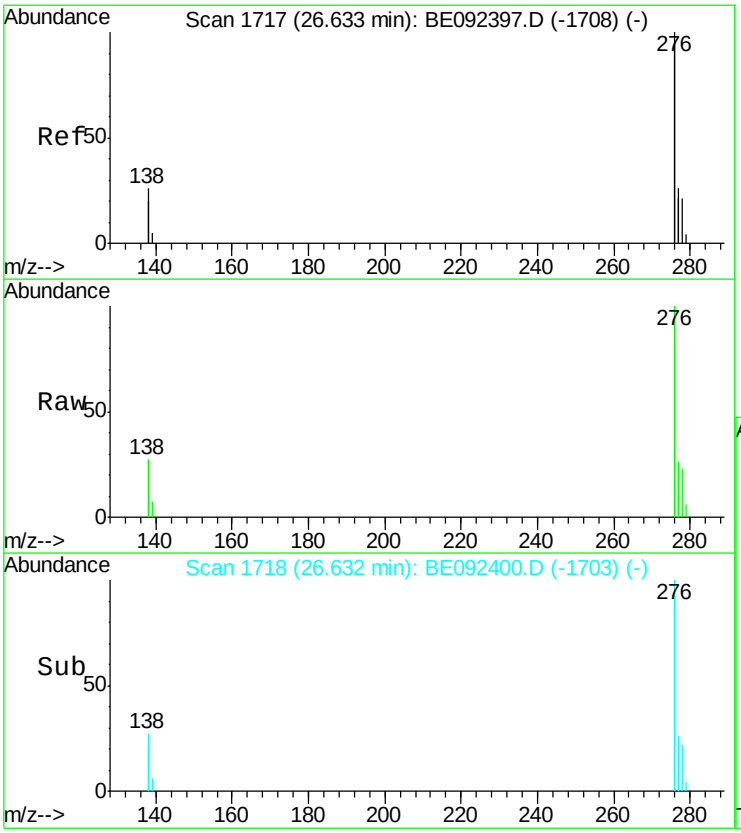
Tgt Ion:149 Resp: 2391

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

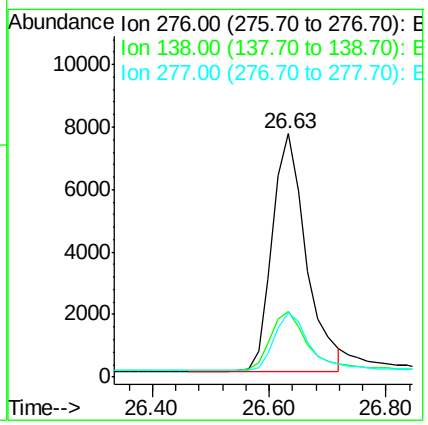


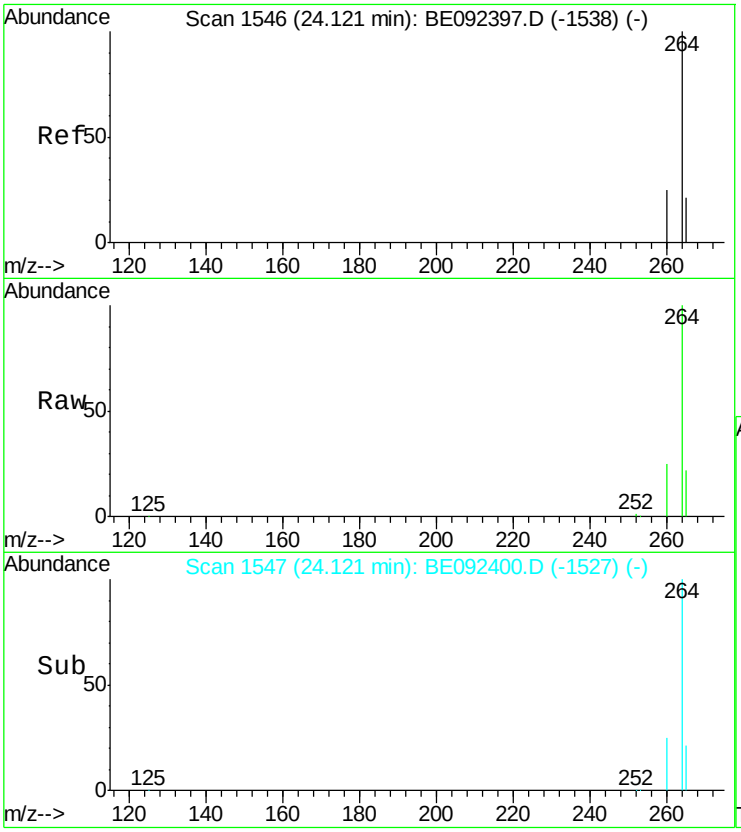


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.05 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:276 Resp: 30570

Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.3	30.5
277	24.5	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.03 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:264 Resp: 77062

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	21.6	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
ICVBE092216

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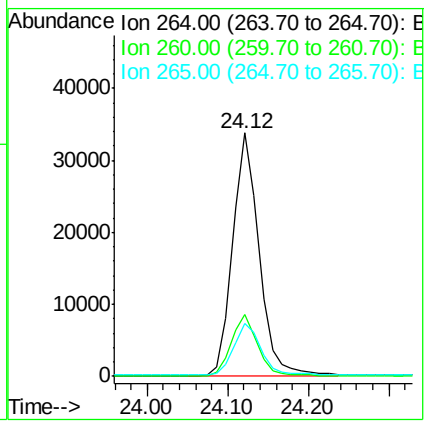
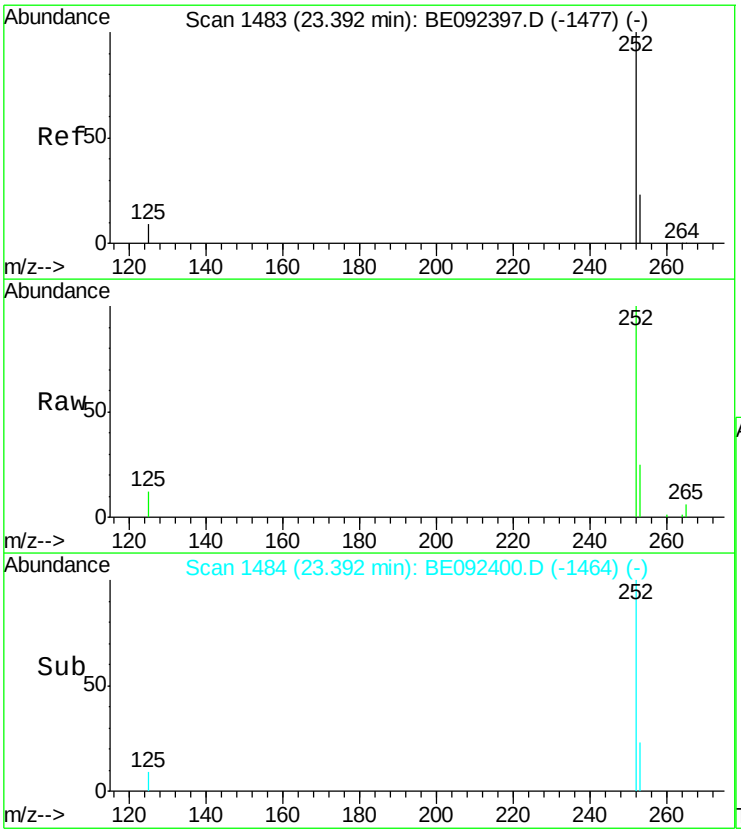
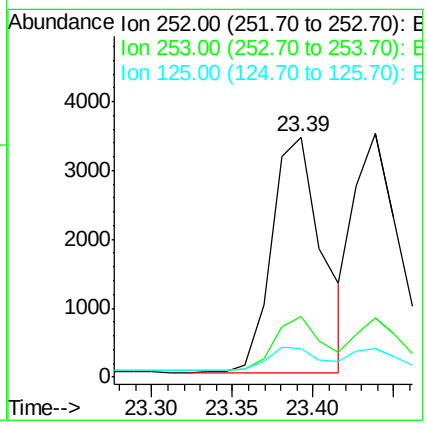


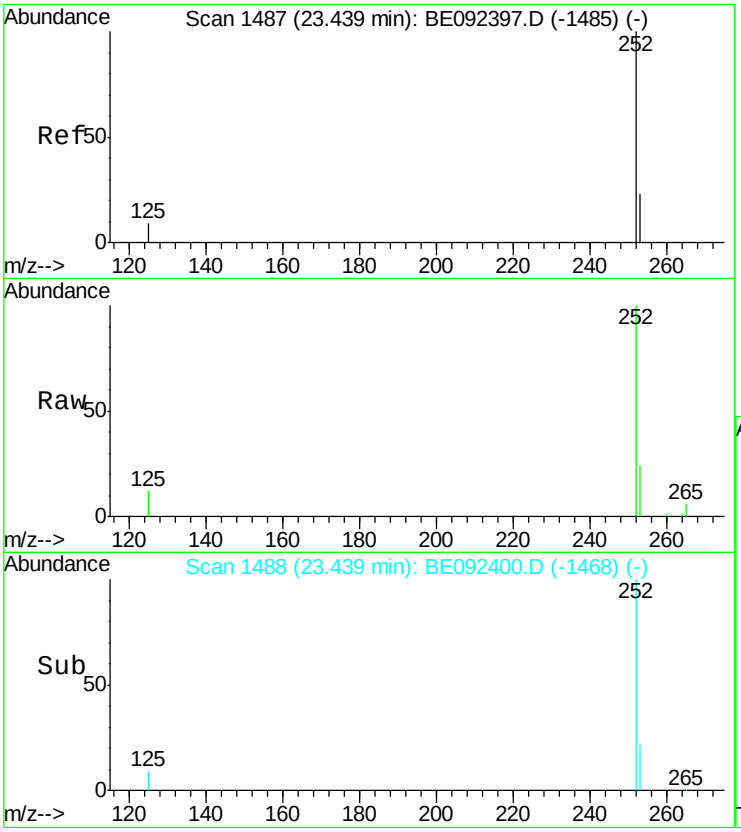


#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.39 min Scan# 1484
Delta R.T. 0.03 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:252 Resp: 7447

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.7	28.1
125	11.7	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 23.44 min Scan# 1488
Delta R.T. 0.03 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:252 Resp: 7272

Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.3	30.5
125	12.0	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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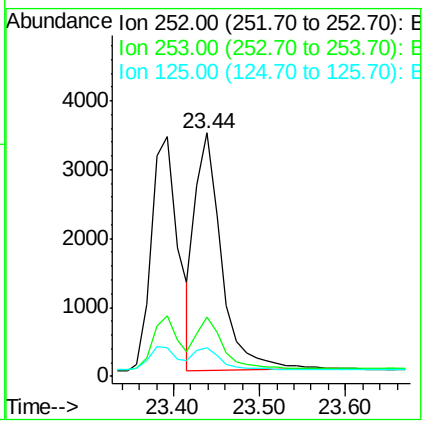
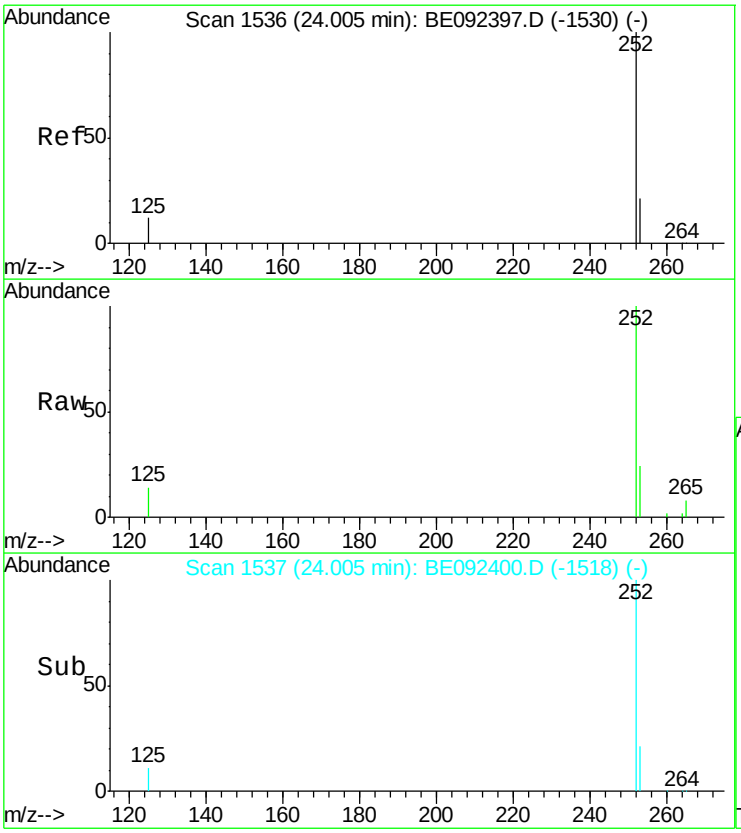
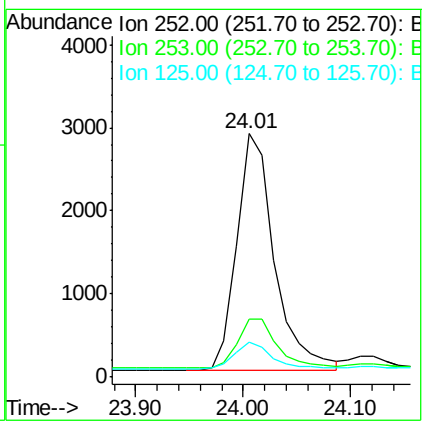


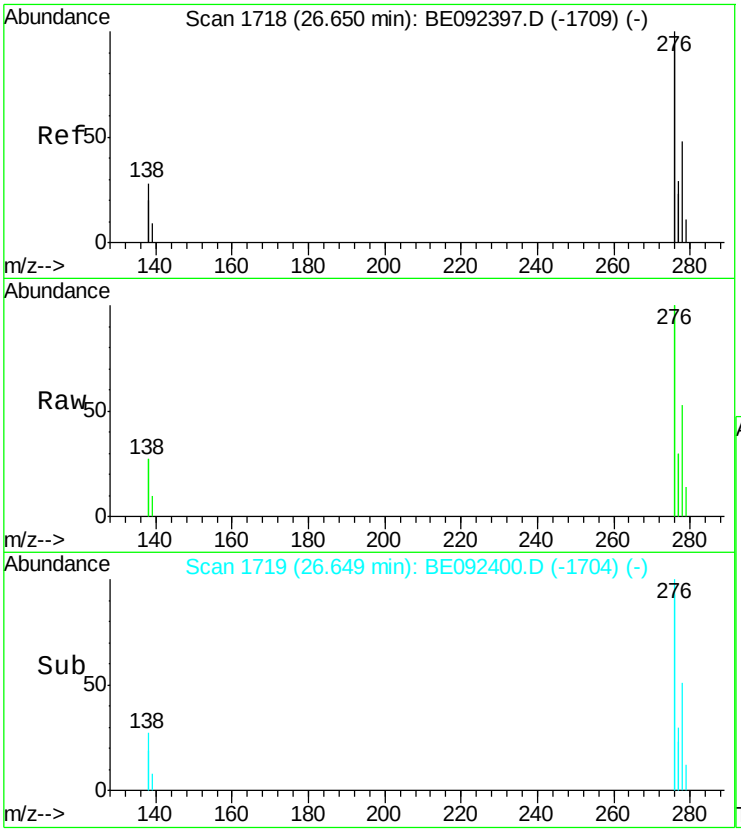


#34
Benzo(a)pyrene
Concen: 0.38 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:252 Resp: 6928

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.6
125	14.3	11.8	17.8

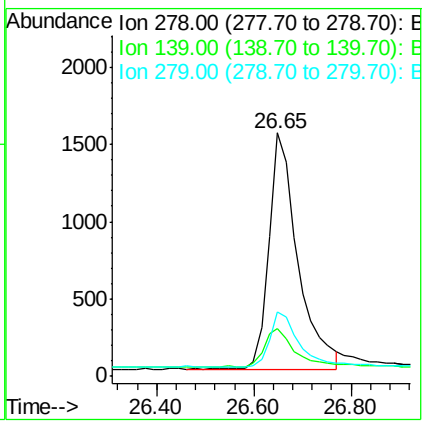




#35
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:278 Resp: 6296

Ion	Ratio	Lower	Upper
278	100		
139	19.7	13.8	20.8
279	26.5	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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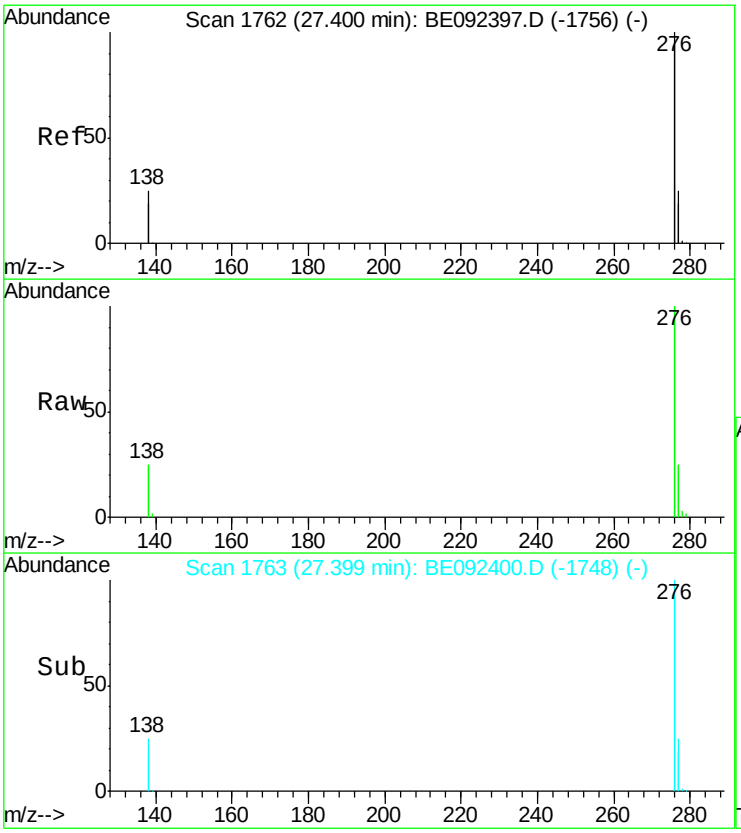

#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092400.D
Acq: 22 Sep 2016 17:49

Tgt Ion:276 Resp: 27902

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	25.1	19.8	29.6