Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092616\
Data File : BE092425.D
Acq On : 26 Sep 2016 12:37
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Manual Integrations APPROVED
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Quant Time: Sep 26 13:56:07 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	11649	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	57638	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	43697	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	91307	5.00	ng		0.02
24) Chrysene-d12	21.75	240	122164	5.00	ng		0.00
31) Perylene-d12	24.11	264	103337	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	796	0.40	ng		0.00
5) Phenol-d6	7.36	99	1014	0.34	ng		0.00
8) Nitrobenzene-d5	9.36	82	1198	0.43	ng		0.00
13) 2,4,6-Tribromophenol	16.32	330	379	0.40	ng		0.00
14) 2-Fluorobiphenyl	13.44	172	4103	0.40	ng		0.00
26) Terphenyl-d14	20.17	244	6079	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	538	0.32	ng		97
3) n-Nitrosodimethylamine	3.79	42	489	0.45	ng	#	98
6) bis(2-Chloroethyl)ether	7.59	93	955	0.39	ng		96
9) Naphthalene	10.99	128	4790	0.38	ng		96
10) Hexachlorobutadiene	11.28	225	747	0.38	ng		99
11) 2-Methylnaphthalene	12.64	142	3139	0.38	ng		97
15) Acenaphthylene	14.53	152	23408	0.37	ng		100
16) Acenaphthene	14.88	154	3804	0.38	ng		98
17) Fluorene	15.87	166	4691	0.37	ng		99
19) Hexachlorobenzene	16.89	284	1512	0.39	ng	#	67
20) Pentachlorophenol	17.26	266	440	0.48	ng		98
21) Phenanthrene	17.60	178	8571	0.41	ng		95
22) Anthracene	17.72	178	7555	0.37	ng		100
23) Fluoranthene	19.61	202	39690	0.40	ng		99
25) Pyrene	19.97	202	44050	0.42	ng		100
27) Benzo(a)anthracene	21.72	228	45112m	0.38	ng		
28) Chrysene	21.77	228	43420m	0.40	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	4472	0.44	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.62	276	40625	0.35	ng		97
32) Benzo(b)fluoranthene	23.38	252	9595	0.38	ng		99
33) Benzo(k)fluoranthene	23.43	252	10081	0.38	ng		97
34) Benzo(a)pyrene	24.01	252	9425	0.38	ng		97
35) Dibenzo(a,h)anthracene	26.65	278	8297	0.37	ng		99
36) Benzo(g,h,i)perylene	27.40	276	34689	0.36	ng		98

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

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BNA_E
ClientSampleId :
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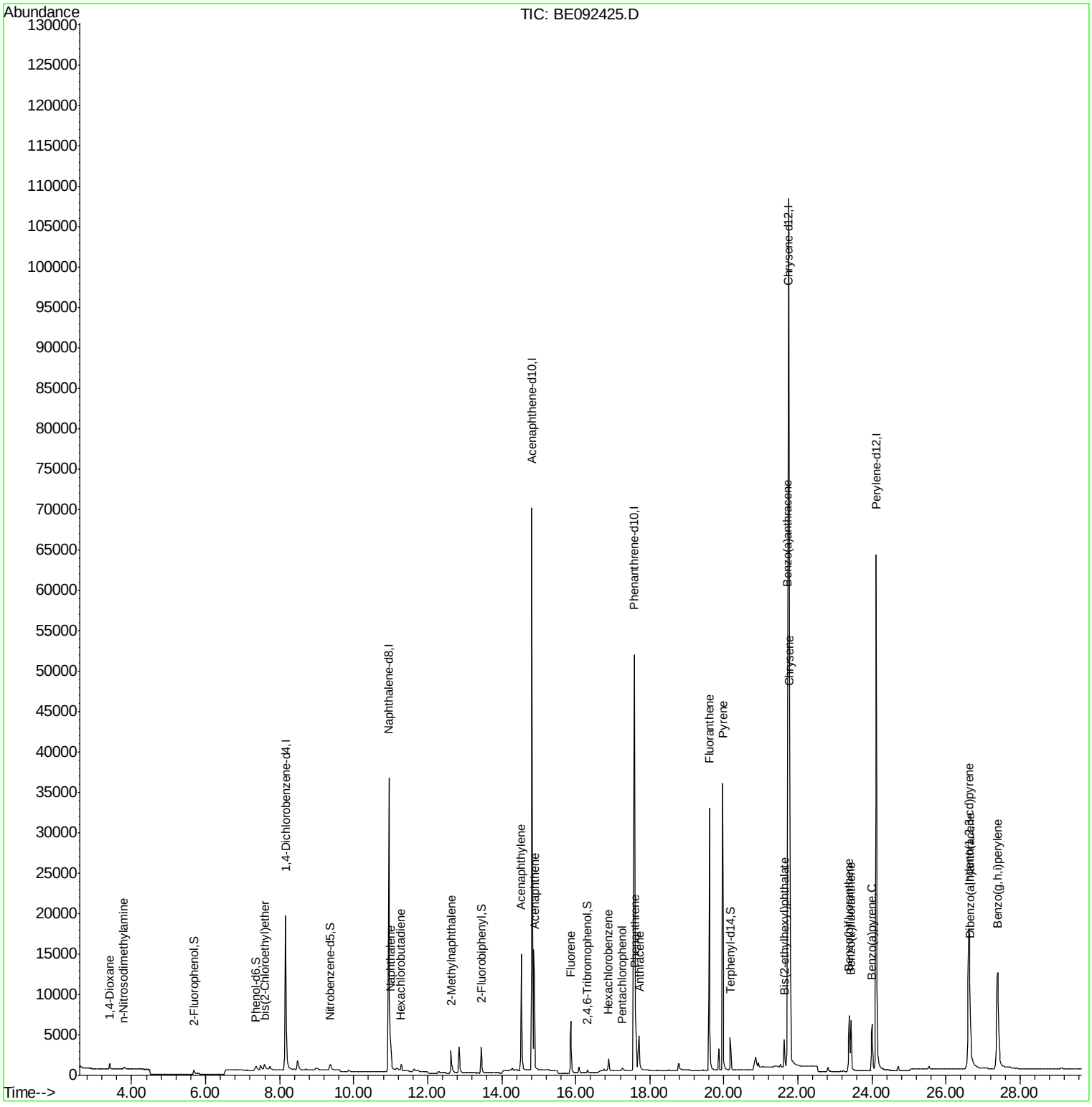
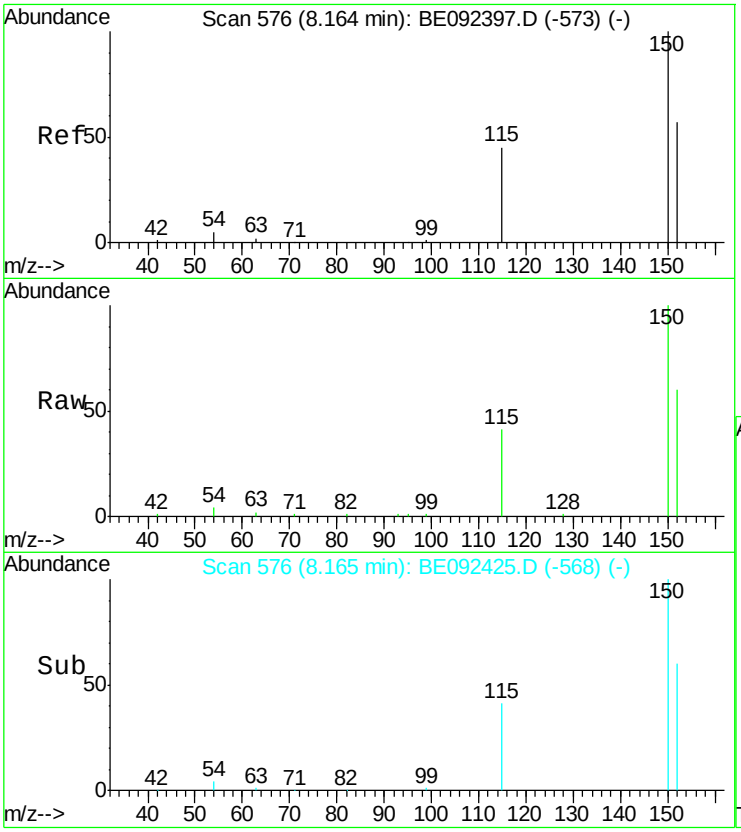
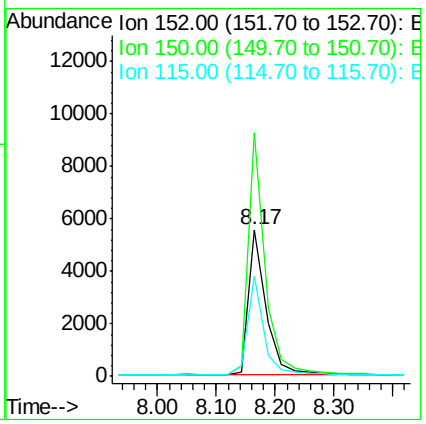




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:152 Resp: 11649

Ion	Ratio	Lower	Upper
152	100		
150	165.8	106.0	159.0#
115	68.2	31.2	46.8#



Instrument :
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ClientSampleId :
SSTDCCC0.4

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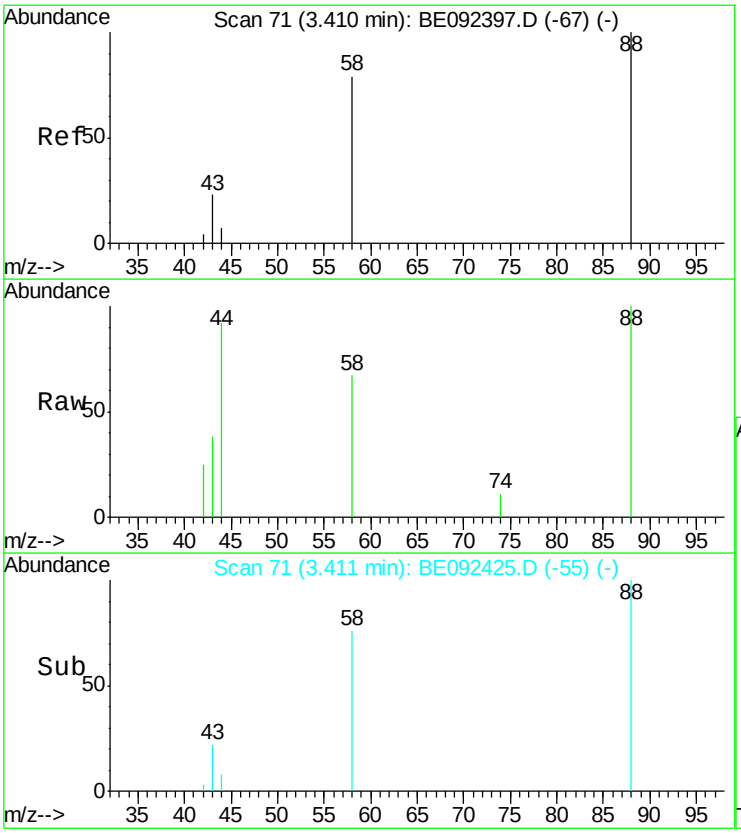
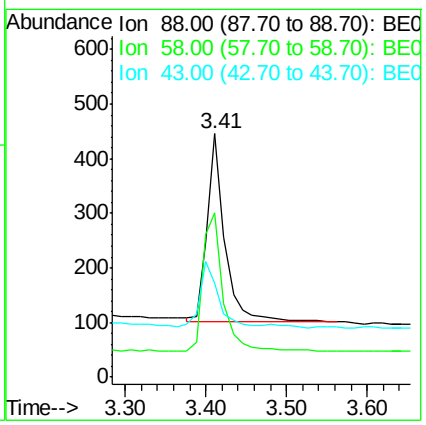
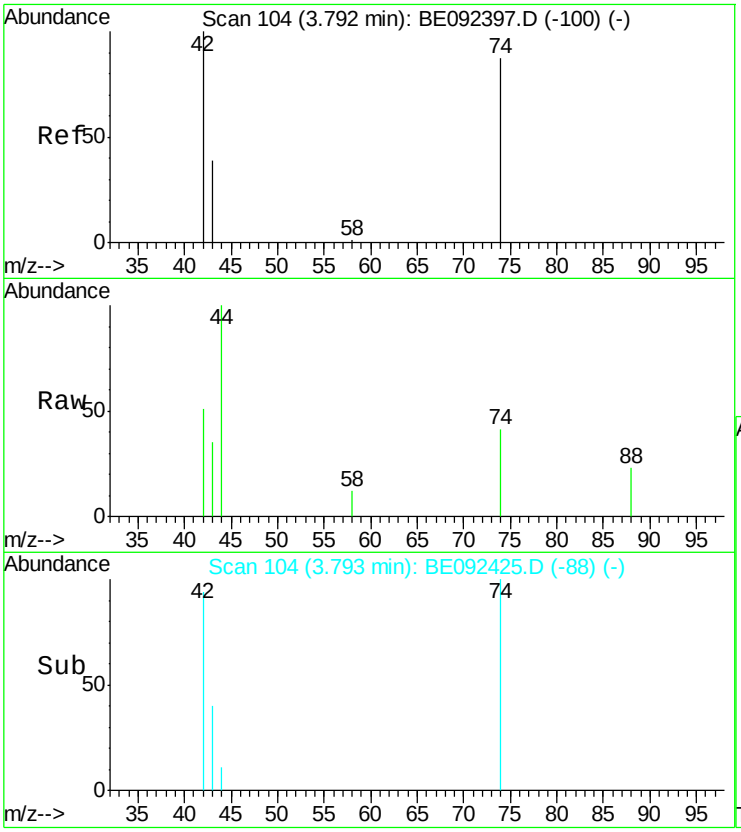


#2
1,4-Dioxane
Concen: 0.32 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion: 88 Resp: 538

Ion	Ratio	Lower	Upper
88	100		
58	82.7	63.6	95.4
43	34.0	28.0	42.0

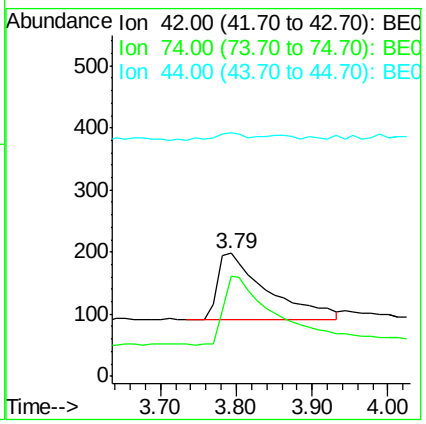




#3
n-Nitrosodimethylamine
Concen: 0.45 ng
RT: 3.79 min Scan# 104
Delta R.T. -0.01 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion: 42 Resp: 489

Ion	Ratio	Lower	Upper
42	100		
74	109.6	86.0	129.0
44	9.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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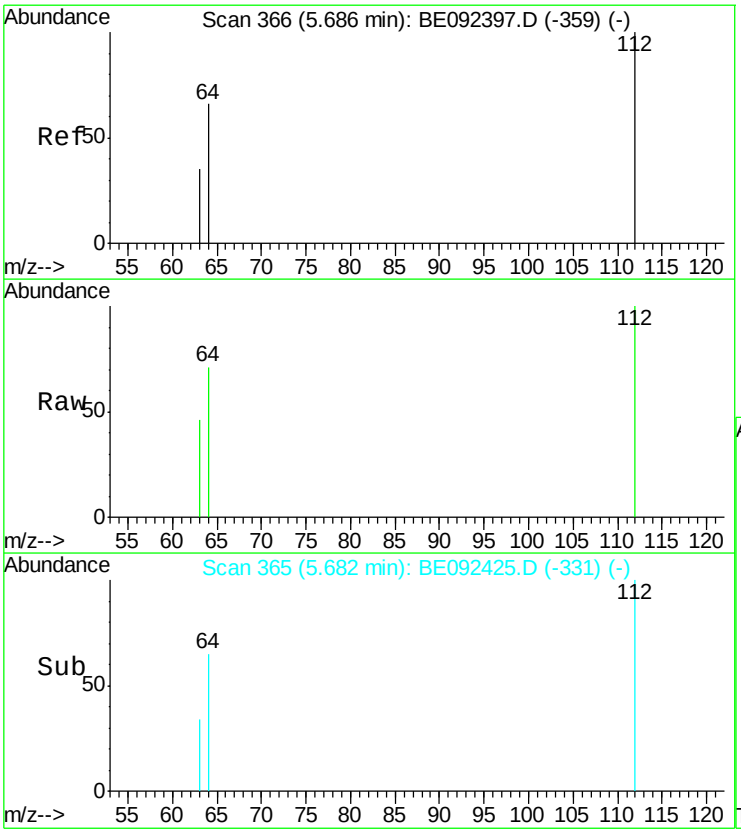
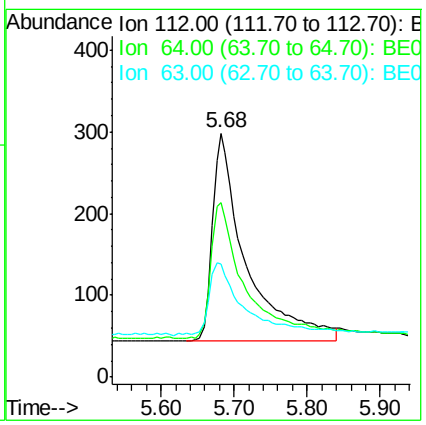
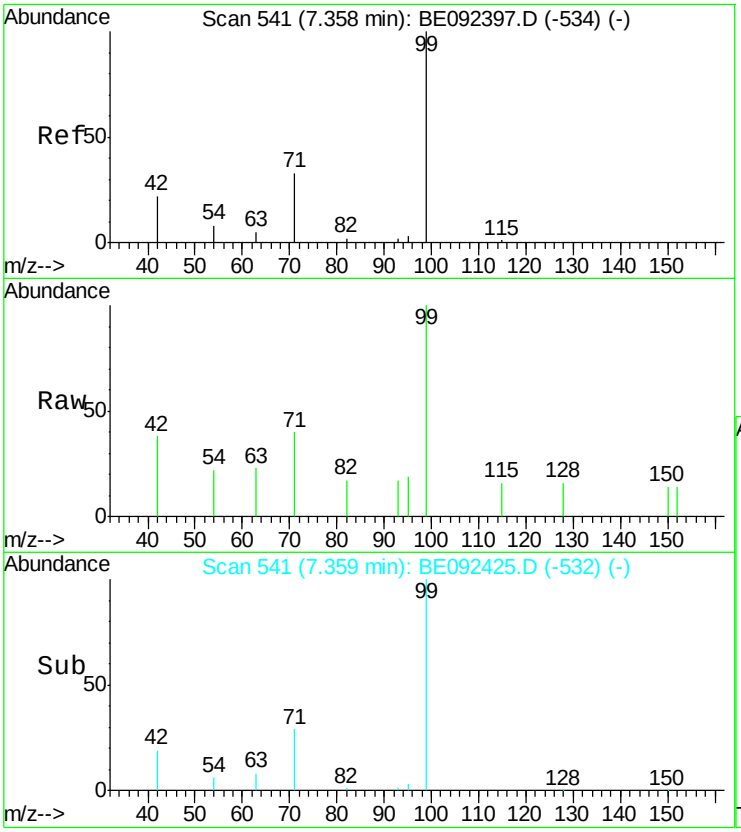


#4
2-Fluorophenol
Concen: 0.40 ng
RT: 5.68 min Scan# 365
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:112 Resp: 796

Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.5	80.3
63	38.6	27.9	41.9





#5
Phenol-d6
Concen: 0.34 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion: 99 Resp: 1014

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

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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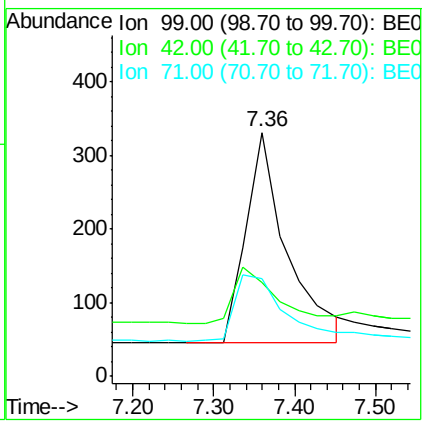
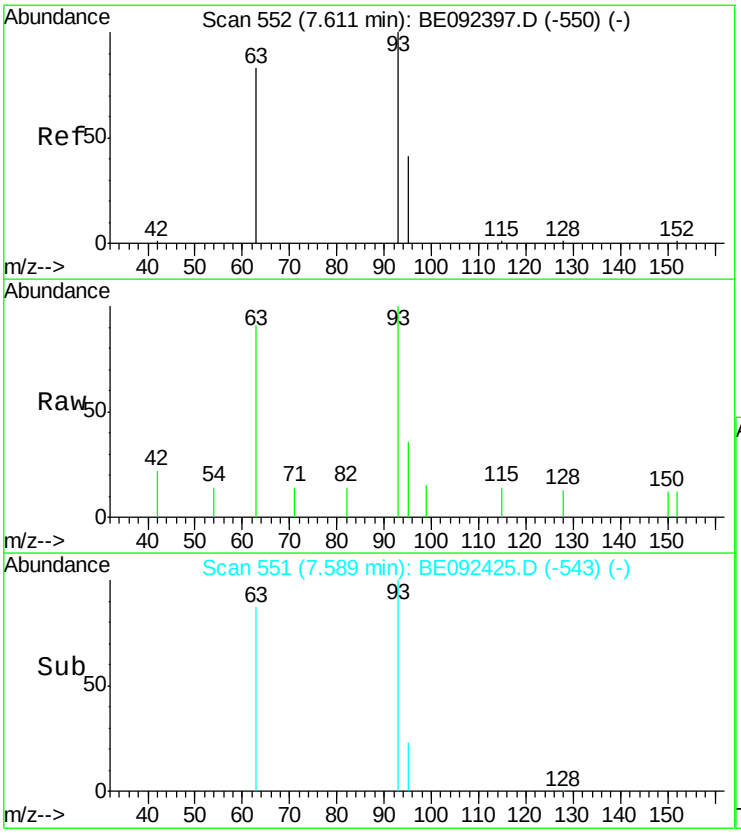
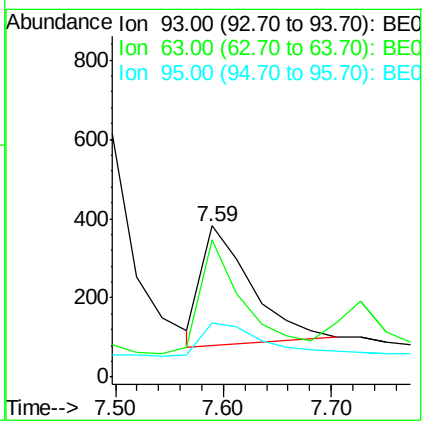


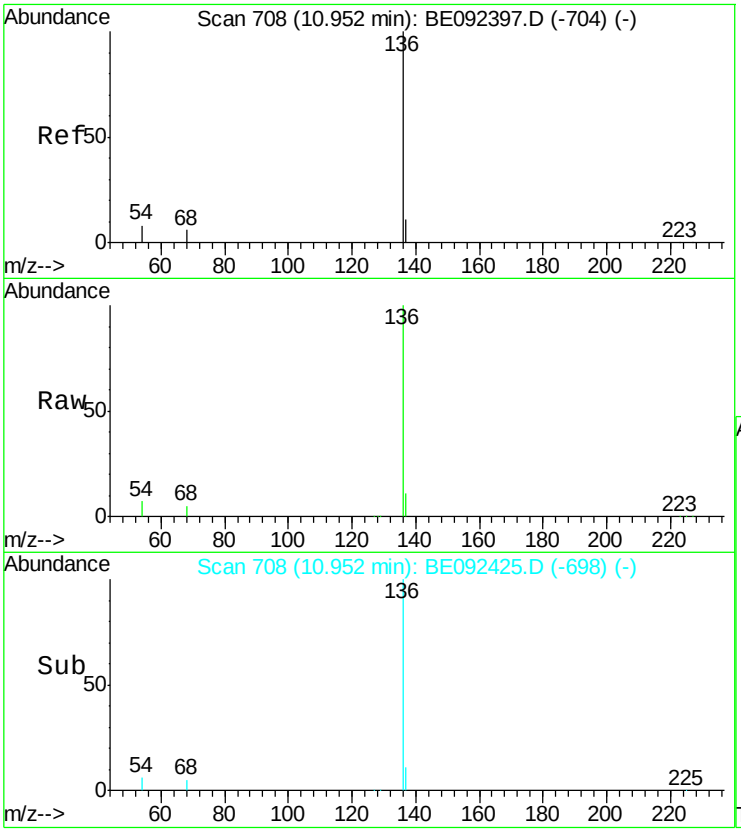


#6
bis(2-Chloroethyl)ether
Concen: 0.39 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion: 93 Resp: 955

Ion	Ratio	Lower	Upper
93	100		
63	88.2	71.6	107.4
95	35.6	24.0	36.0

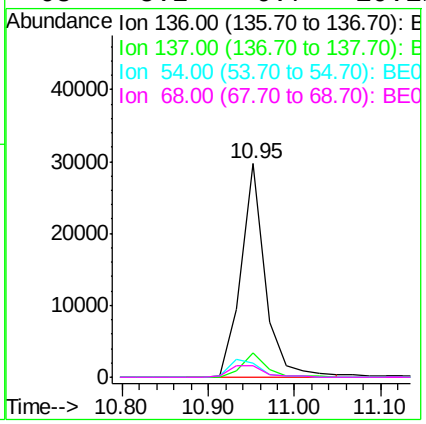




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:136 Resp: 57638

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	6.6	9.6	14.4#
68	5.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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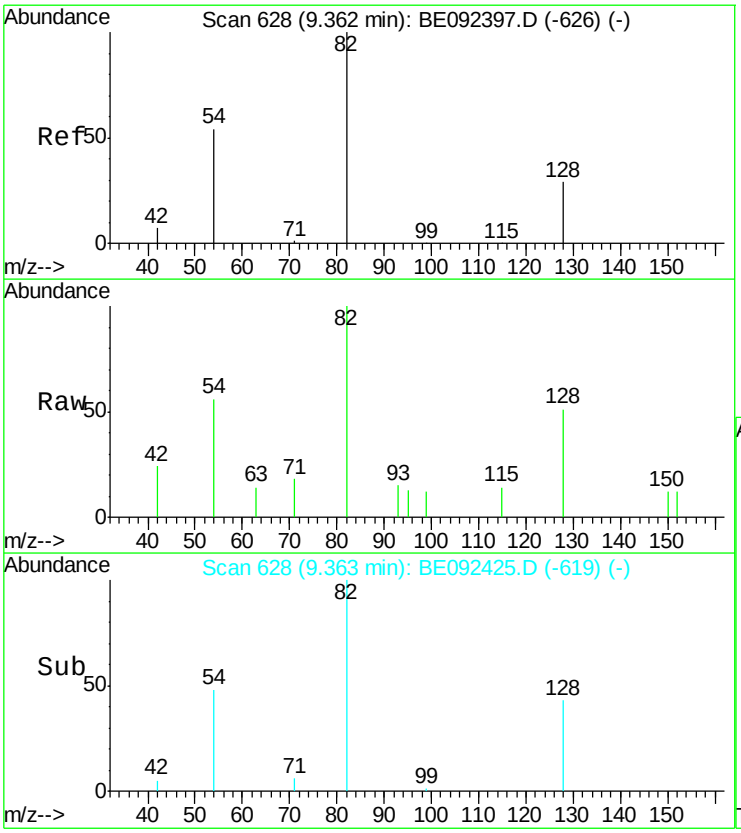
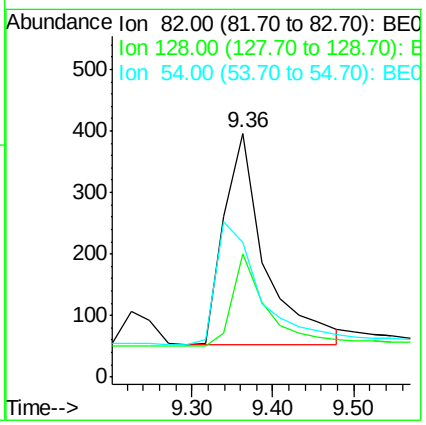
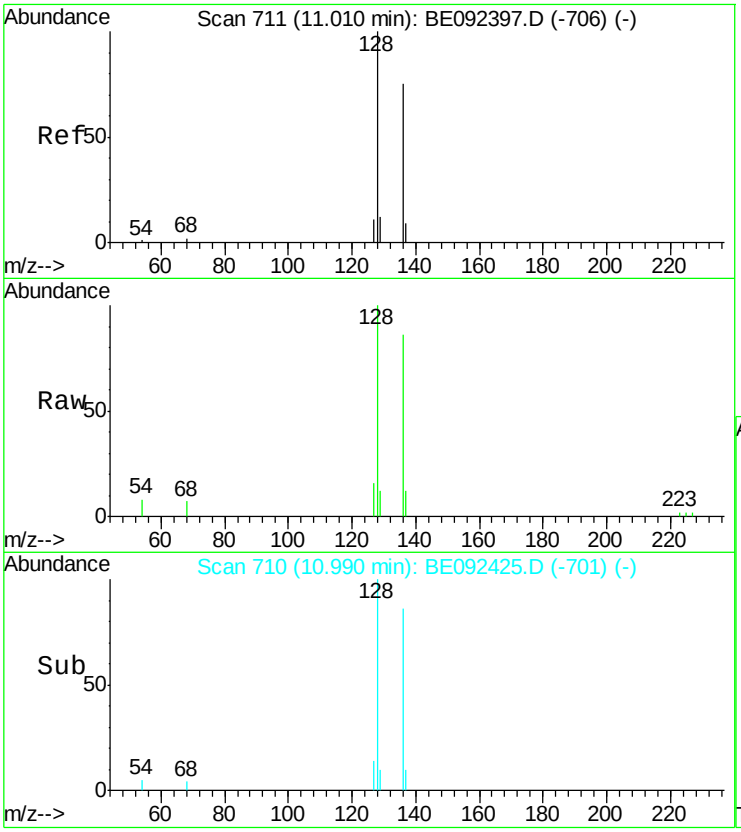


#8
Nitrobenzene-d5
Concen: 0.43 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion: 82 Resp: 1198

Ion	Ratio	Lower	Upper
82	100		
128	50.5	39.0	58.4
54	55.6	44.8	67.2

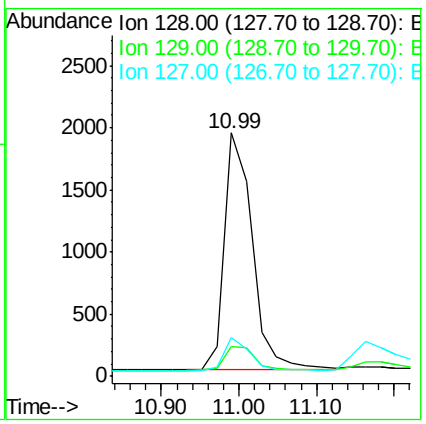




#9
Naphthalene
Concen: 0.38 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:128 Resp: 4790

Ion	Ratio	Lower	Upper
128	100		
129	12.5	11.2	16.8
127	15.9	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
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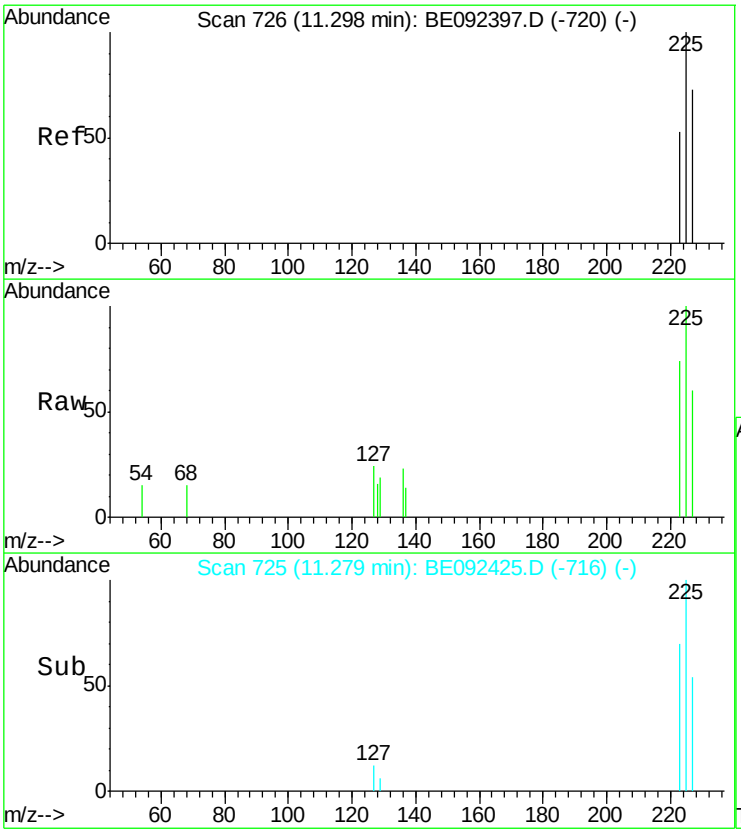
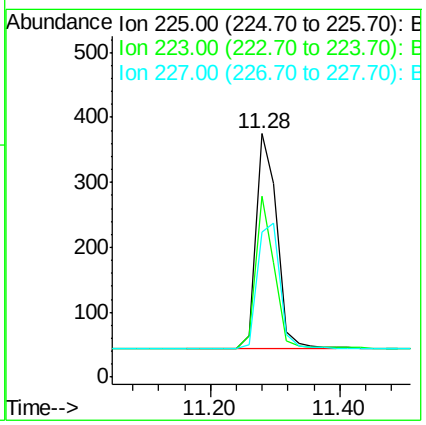
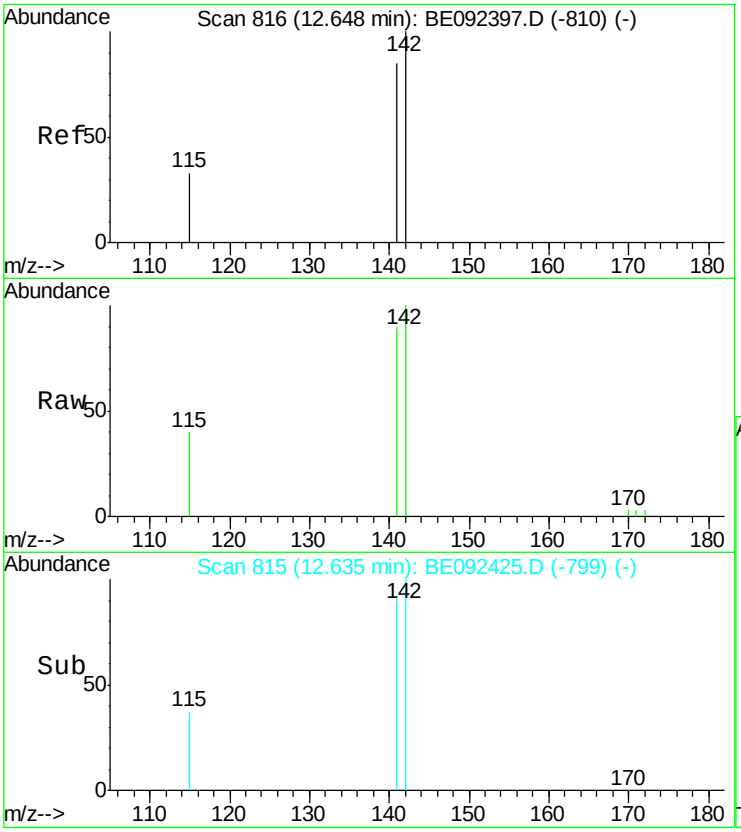


#10
Hexachlorobutadiene
Concen: 0.38 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:225 Resp: 747

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	76.0
227	63.3	51.4	77.0

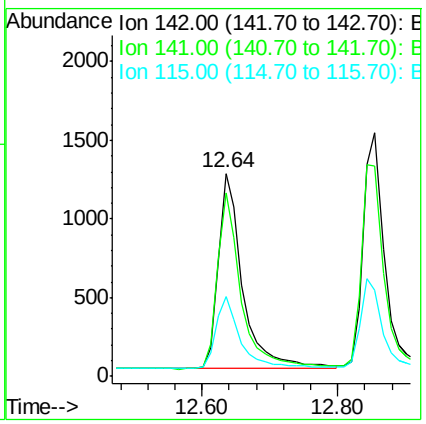




#11
2-Methylnaphthalene
Concen: 0.38 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.01 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:142 Resp: 3139

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.7	110.5
115	39.6	34.0	51.0



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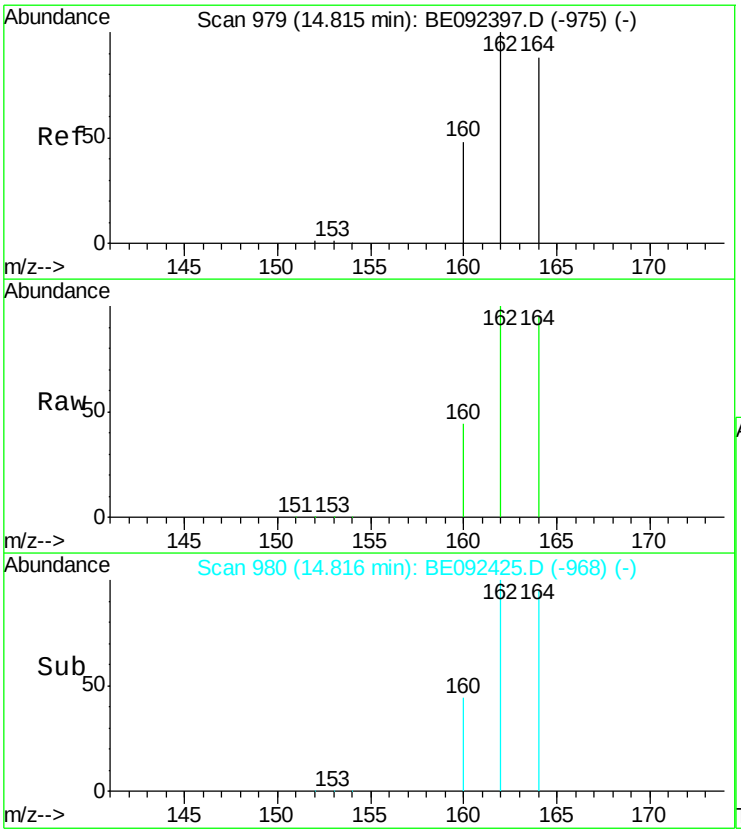
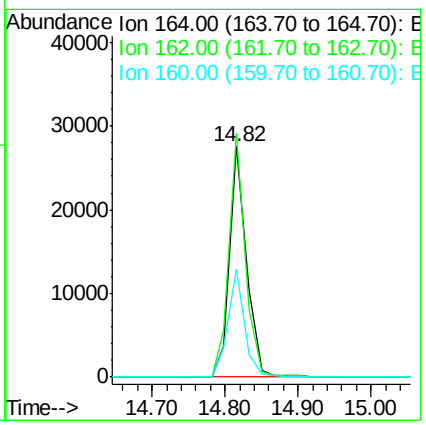
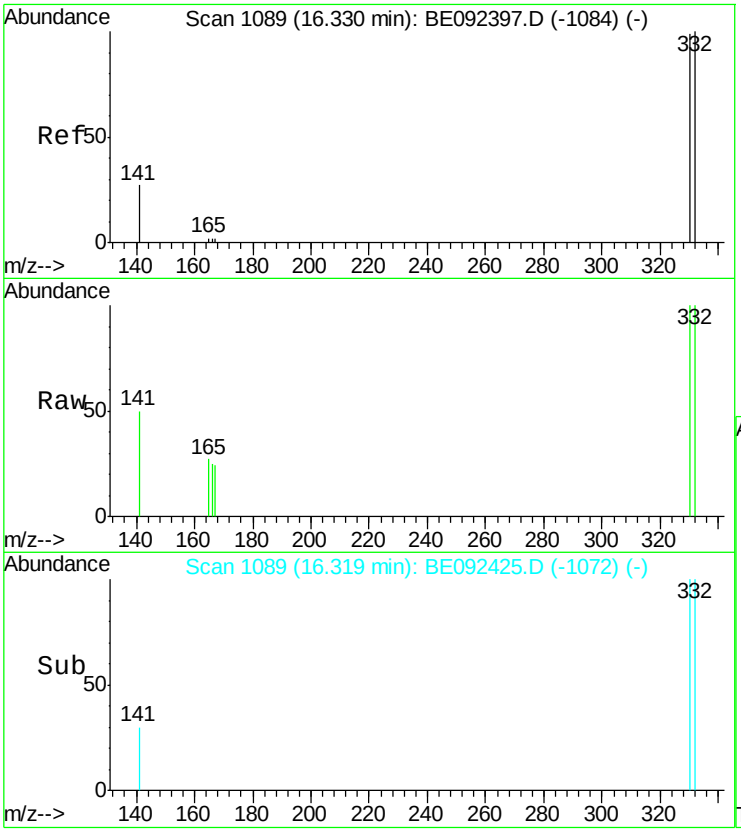


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:164 Resp: 43697

Ion	Ratio	Lower	Upper
164	100		
162	105.5	71.4	107.0
160	46.9	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.40 ng
RT: 16.32 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:330 Resp: 379

Ion	Ratio	Lower	Upper
330	100		
332	98.4	75.4	113.0
141	41.7	31.0	46.6

Instrument :
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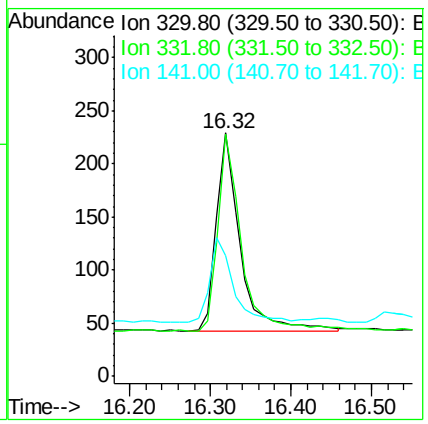
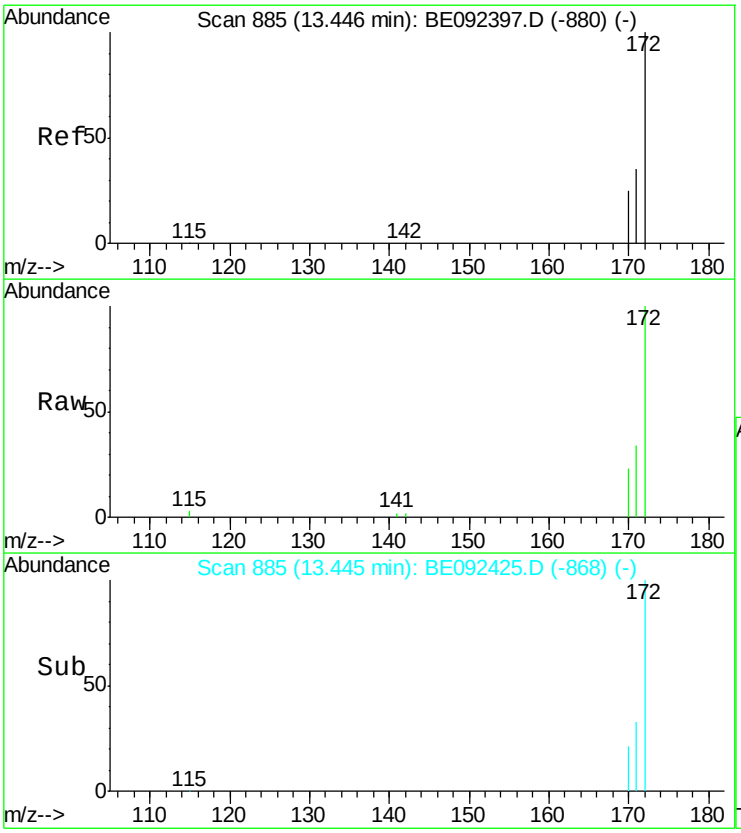
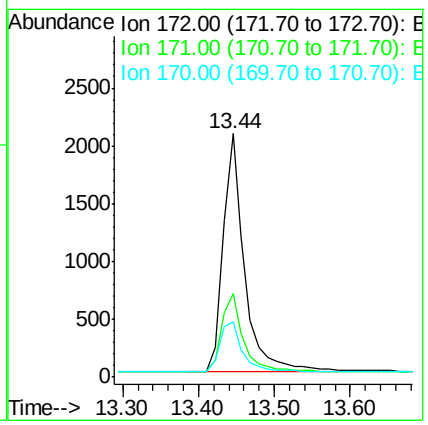


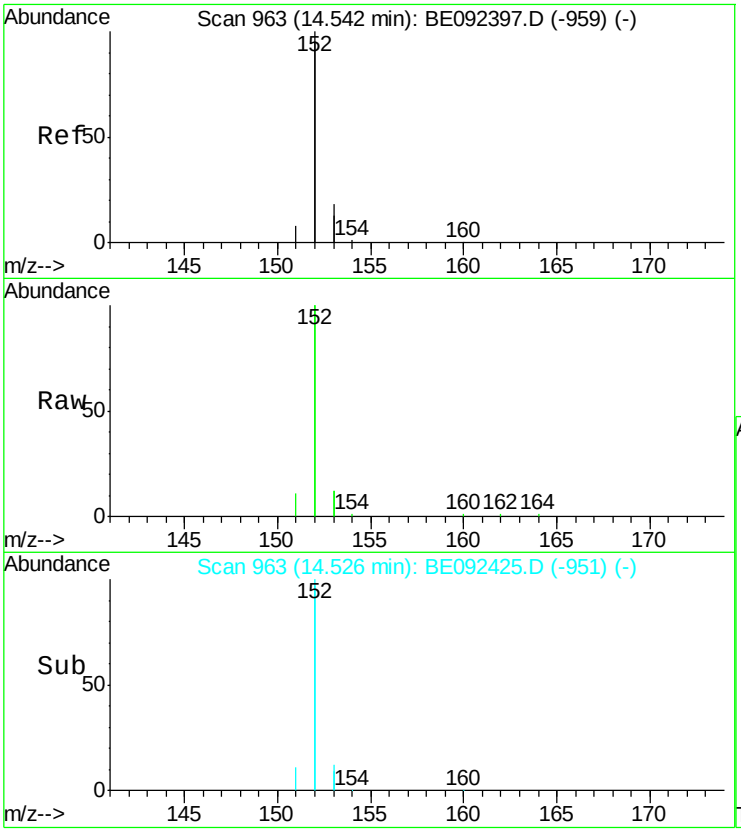


#14
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.44 min Scan# 885
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:172 Resp: 4103

Ion	Ratio	Lower	Upper
172	100		
171	34.5	30.1	45.1
170	22.8	21.8	32.6

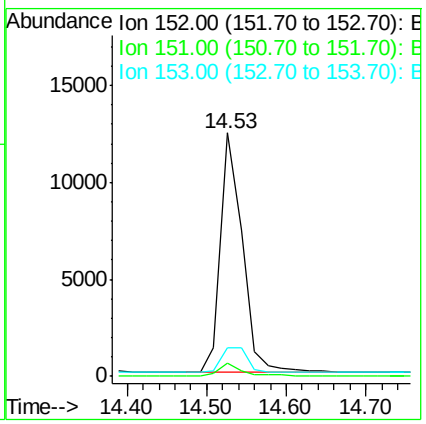




#15
Acenaphthylene
Concen: 0.37 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:152 Resp: 23408

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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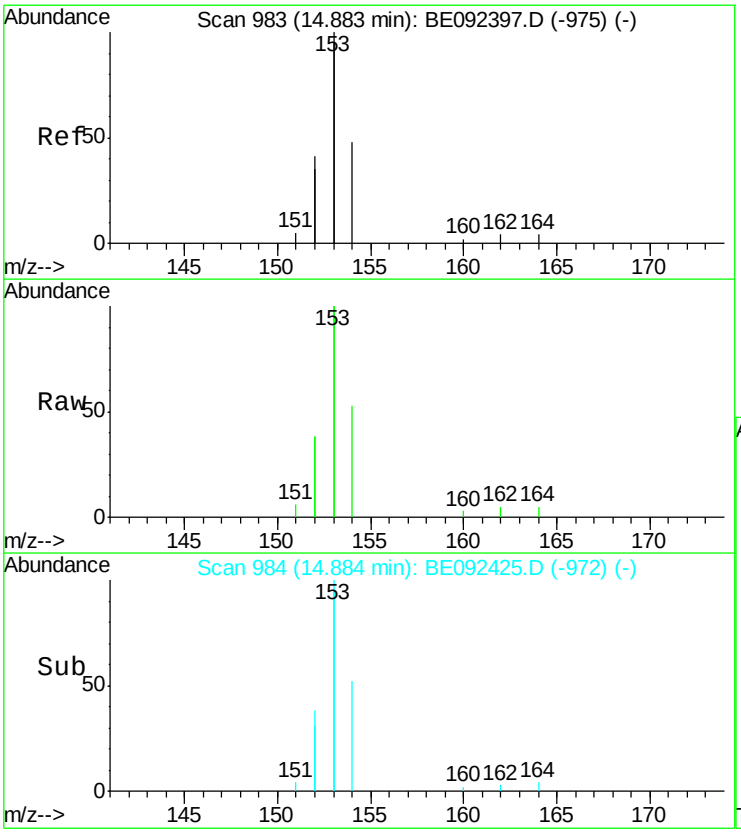
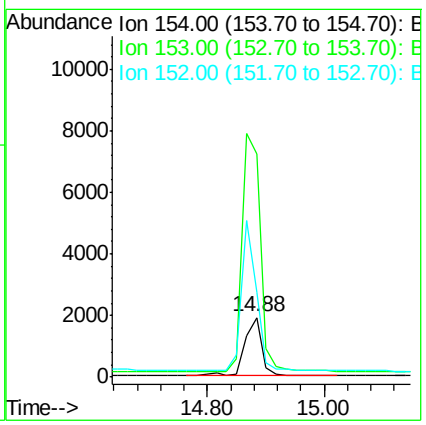
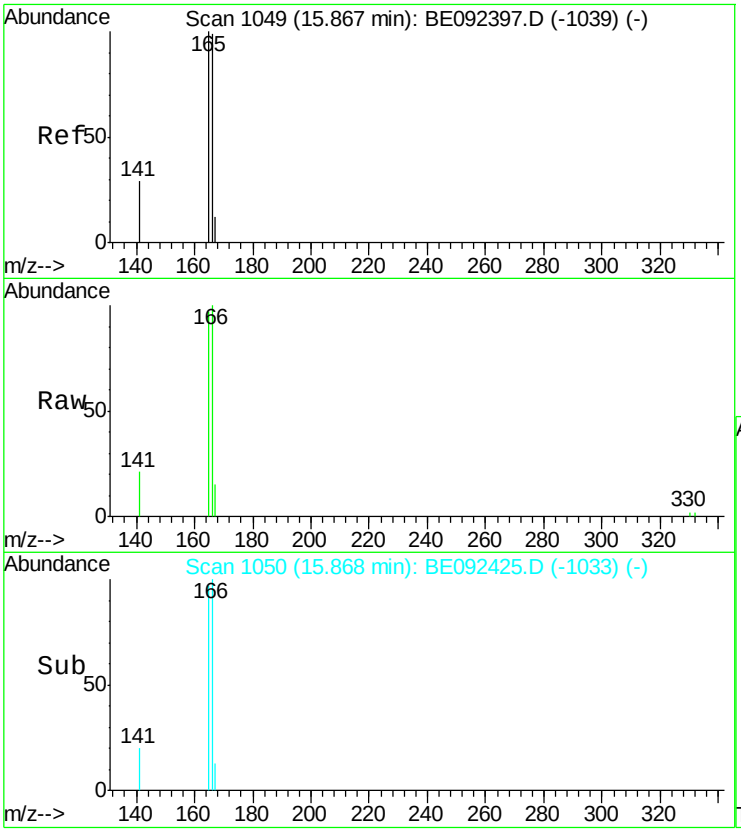


#16
Acenaphthene
Concen: 0.38 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:154 Resp: 3804

Ion	Ratio	Lower	Upper
154	100		
153	438.5	350.8	526.2
152	224.2	171.1	256.7

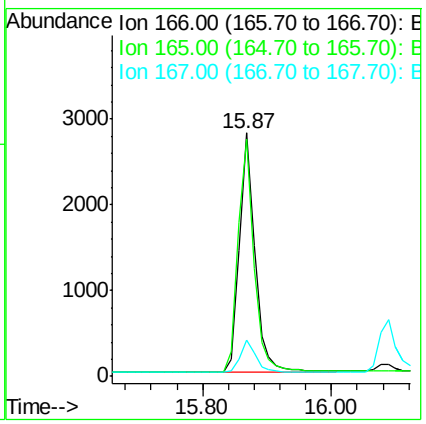




#17
Fluorene
Concen: 0.37 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:166 Resp: 4691

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.2	117.4
167	13.6	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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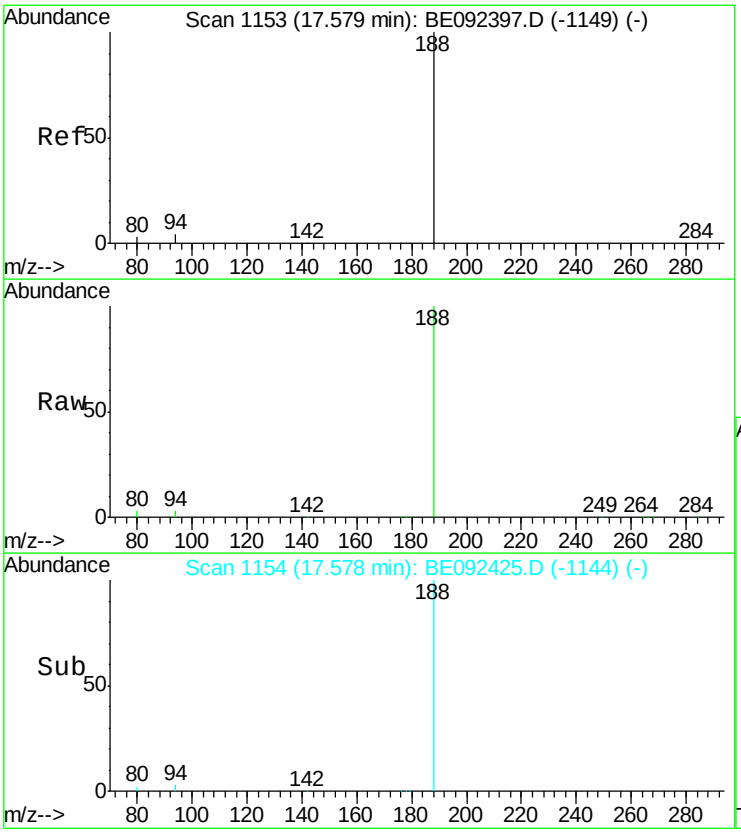
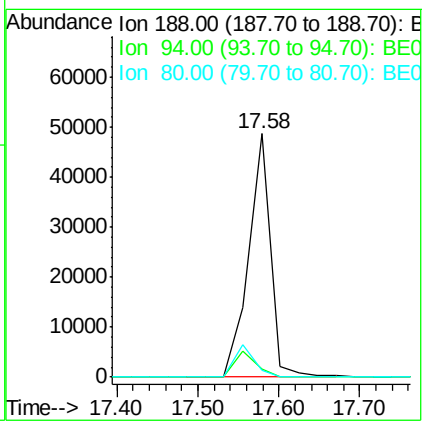
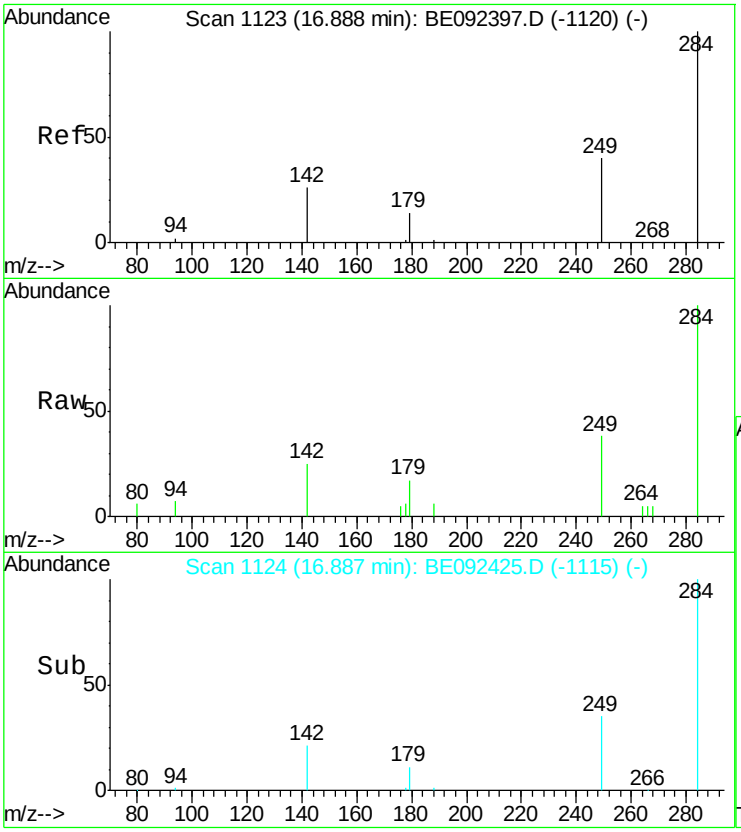


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:188 Resp: 91307

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

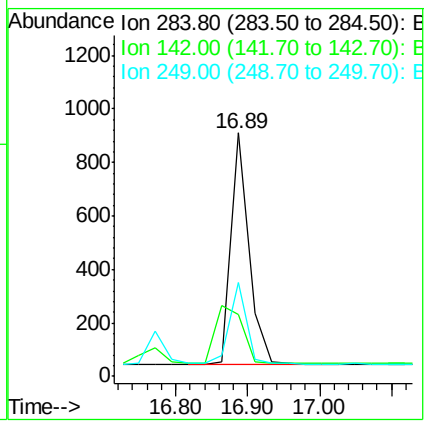




#19
Hexachlorobenzene
Concen: 0.39 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:284 Resp: 1512

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	32.6	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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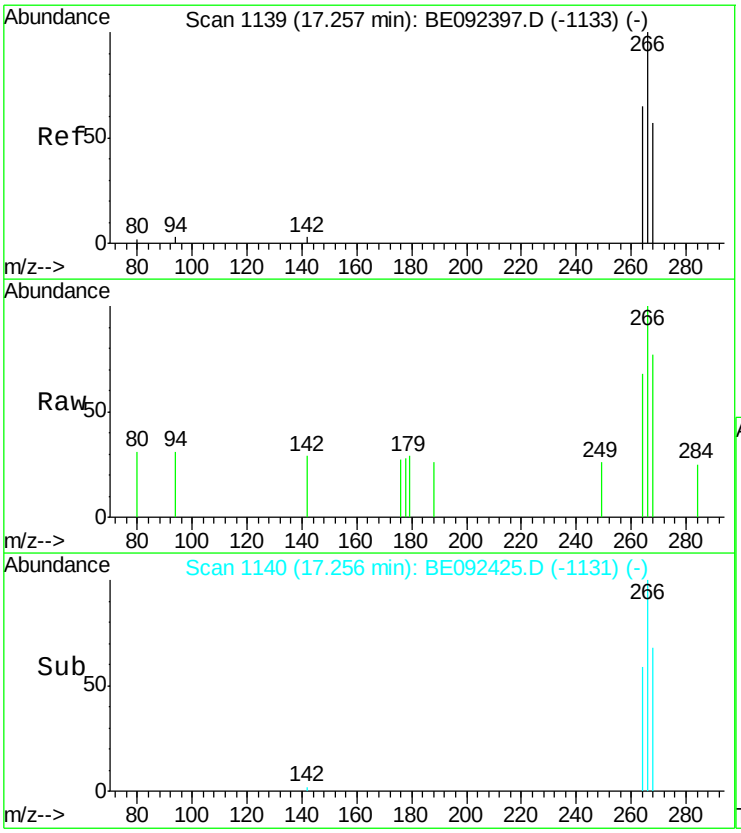
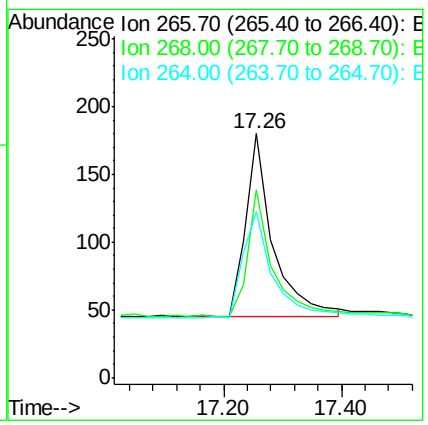
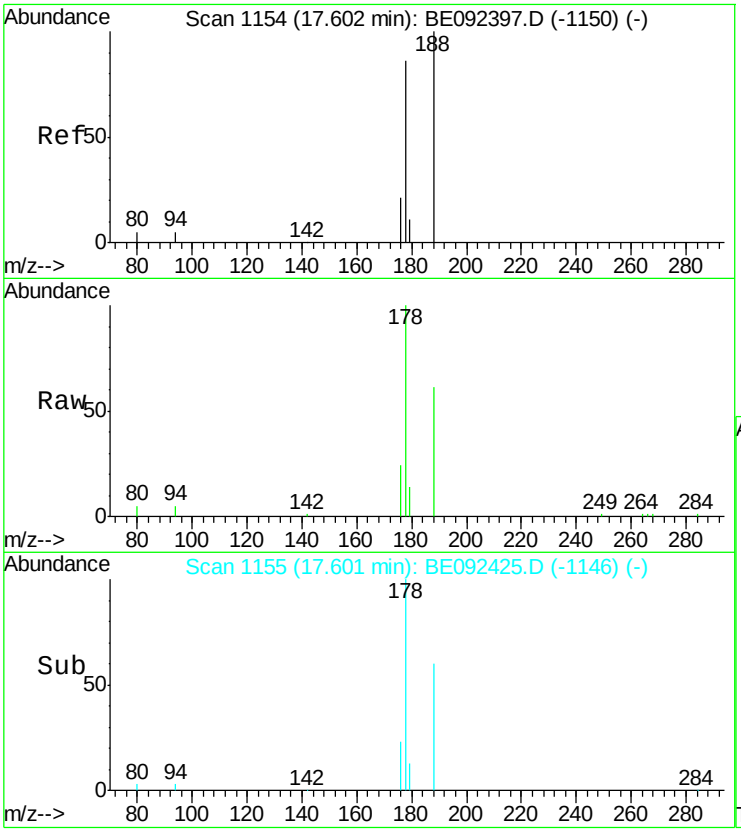


#20
Pentachlorophenol
Concen: 0.48 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:266 Resp: 440

Ion	Ratio	Lower	Upper
266	100		
268	77.2	62.5	93.7
264	68.3	57.2	85.8

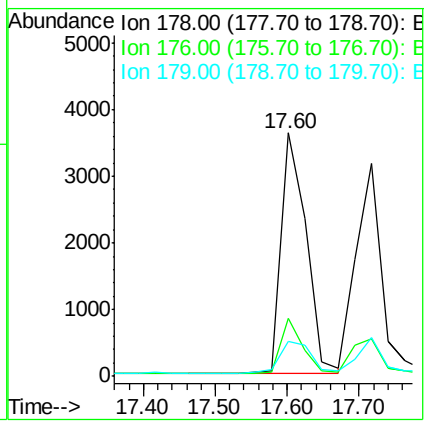




#21
Phenanthrene
Concen: 0.41 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:178 Resp: 8571

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	16.0	16.0	24.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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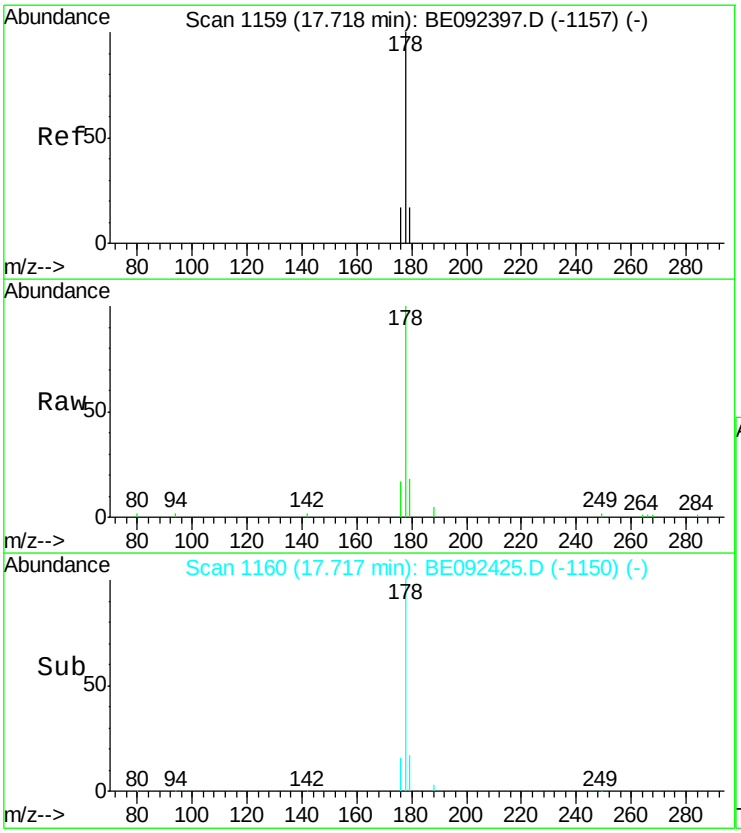
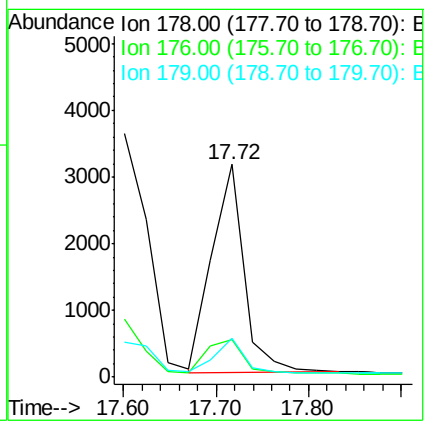
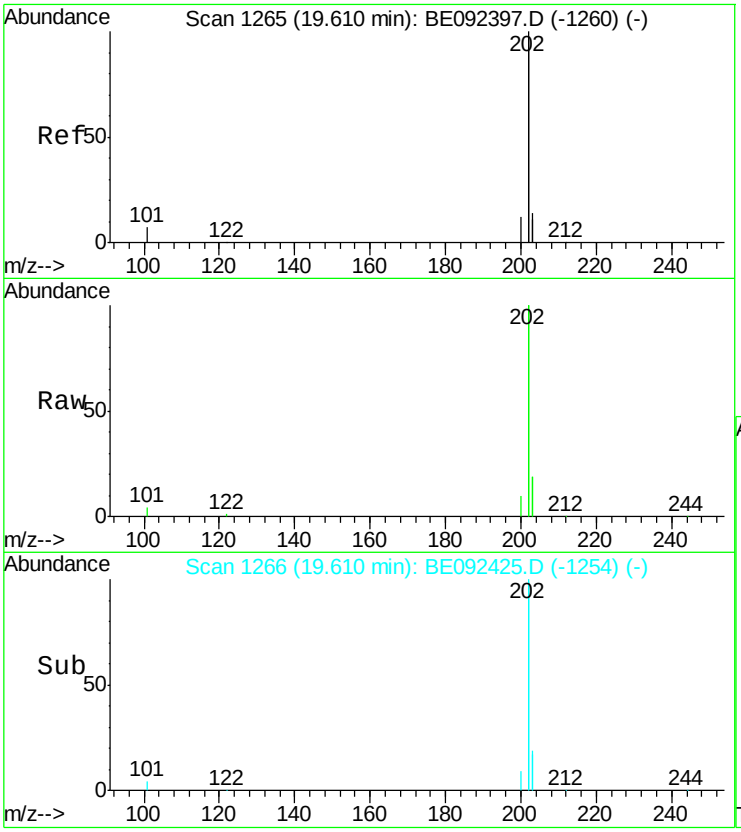


#22
Anthracene
Concen: 0.37 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:178 Resp: 7555

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.3	12.2	18.2

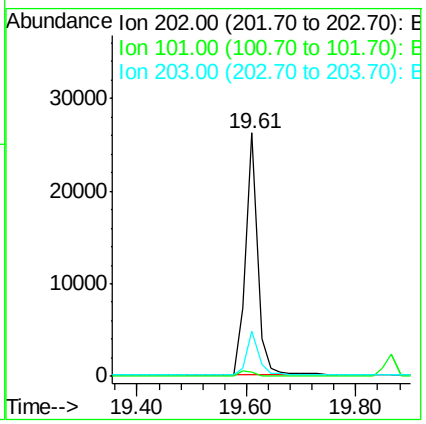




#23
Fluoranthene
Concen: 0.40 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:202 Resp: 39690

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
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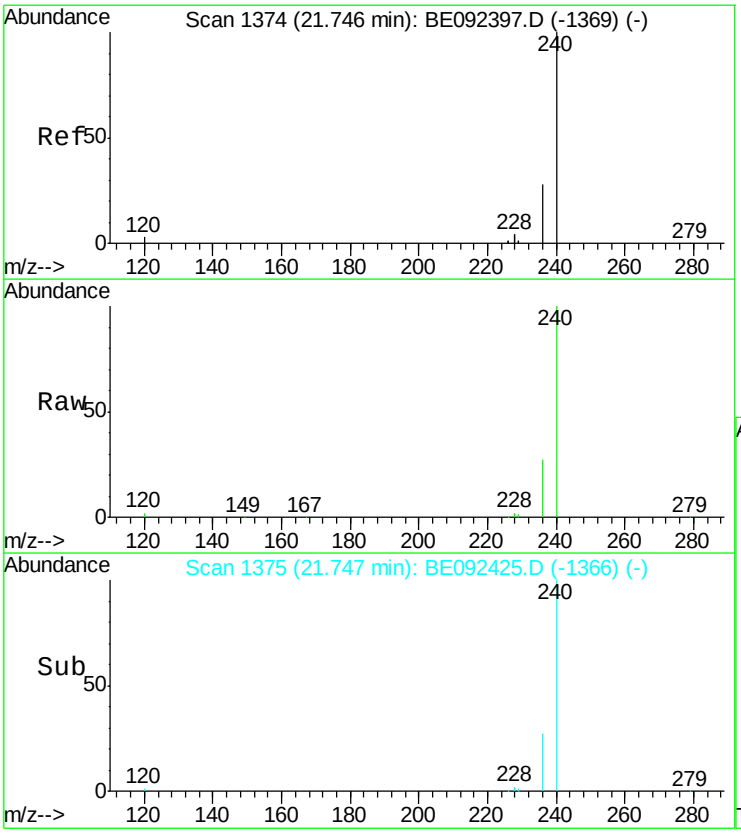
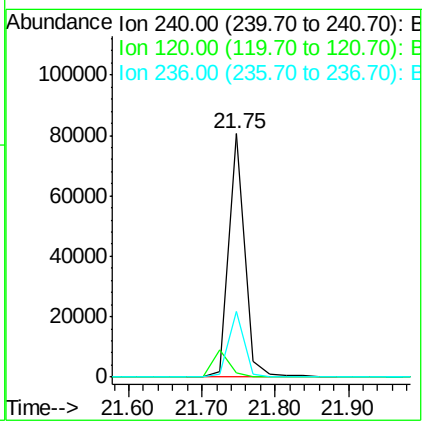
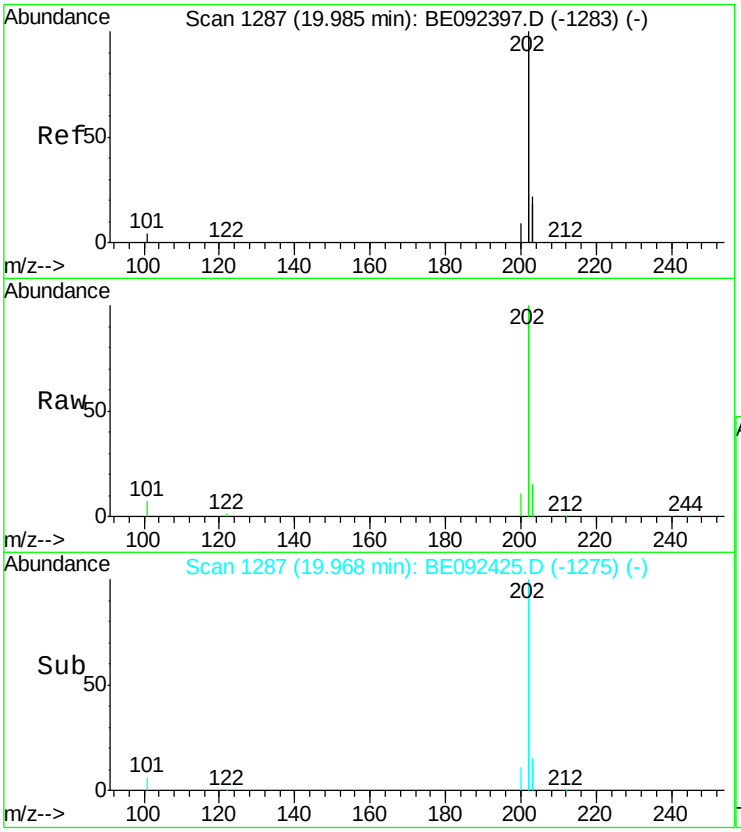


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:240 Resp: 122164

Ion	Ratio	Lower	Upper
240	100		
120	1.5	2.6	4.0#
236	26.9	24.6	37.0

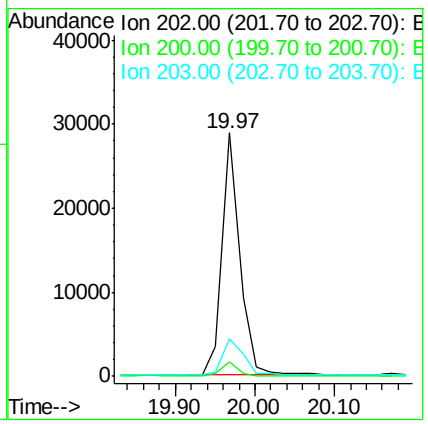




#25
Pyrene
Concen: 0.42 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:202 Resp: 44050

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.2	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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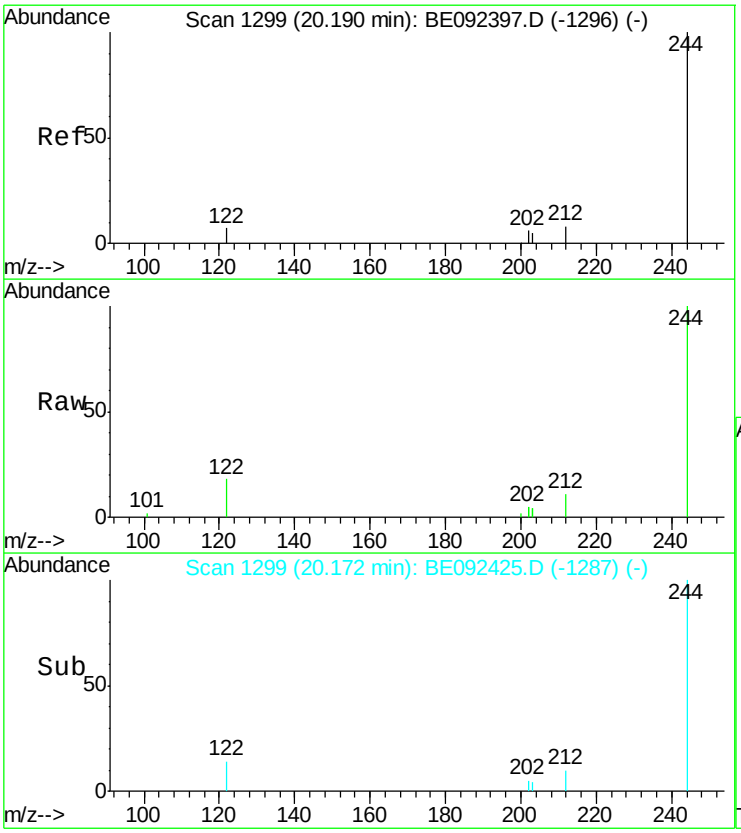
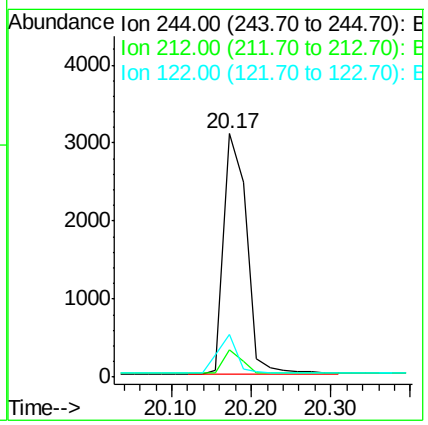
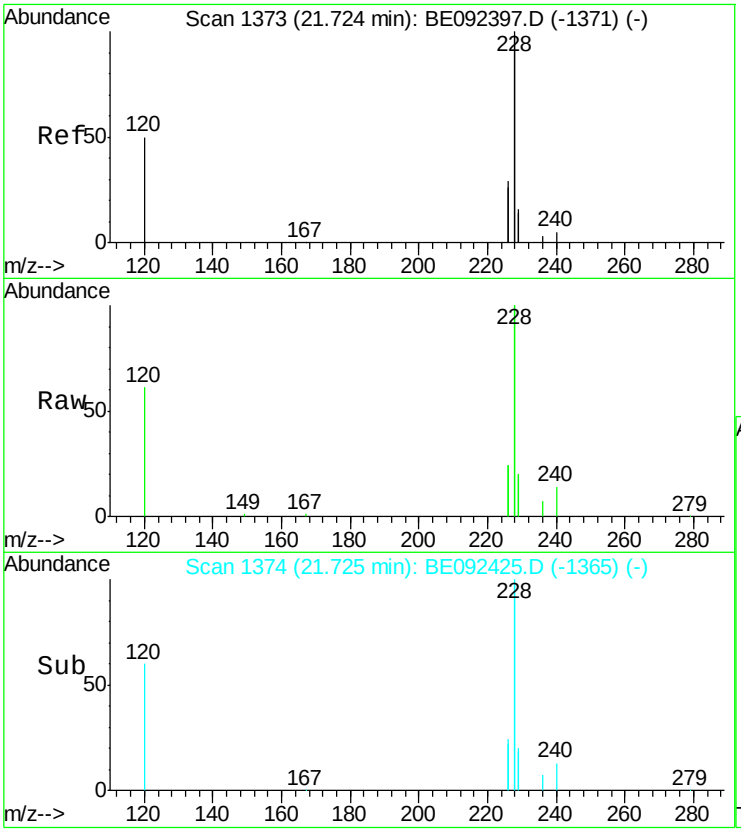


#26
Terphenyl-d14
Concen: 0.40 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:244 Resp: 6079

Ion	Ratio	Lower	Upper
244	100		
212	11.1	6.7	10.1#
122	17.6	3.6	5.4#

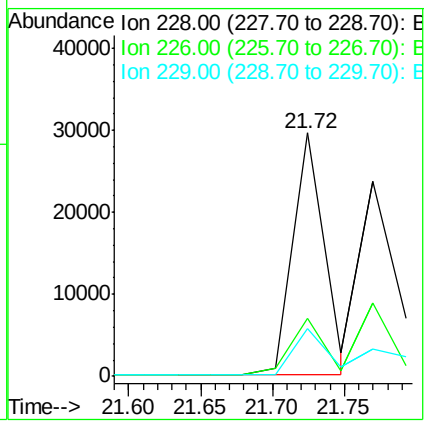




#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:228 Resp: 45112

Ion	Ratio	Lower	Upper
228	100		
226	23.7	23.6	35.4
229	19.8	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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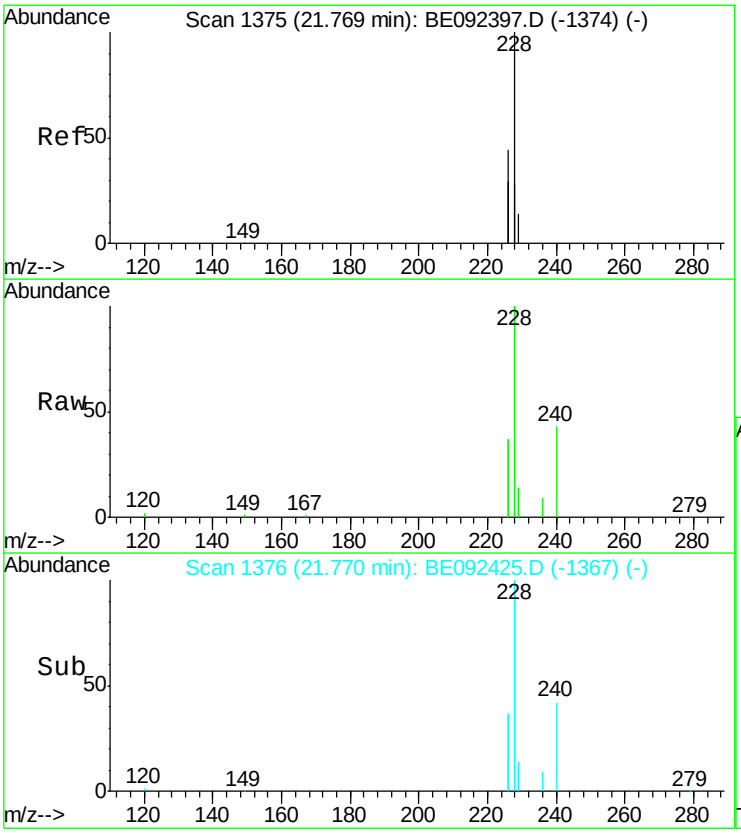
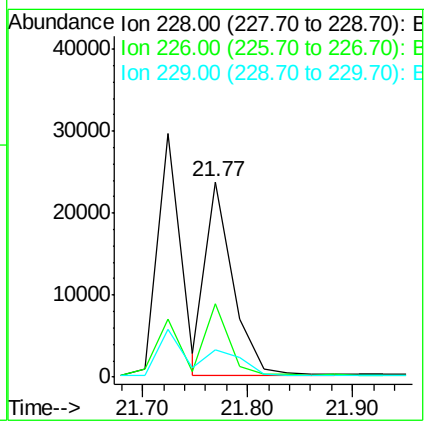
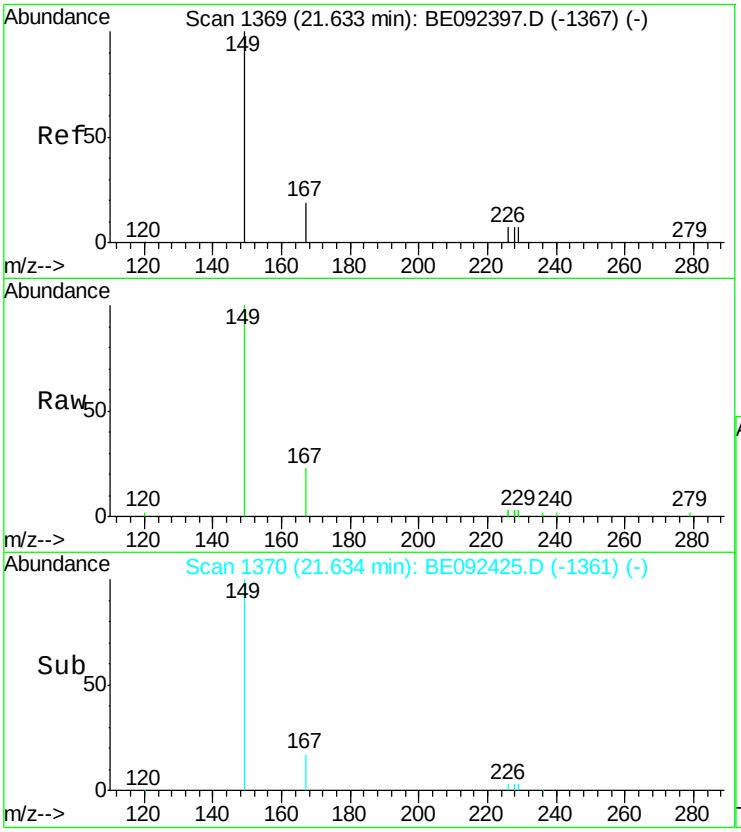


#28
Chrysene
Concen: 0.40 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:228 Resp: 43420

Ion	Ratio	Lower	Upper
228	100		
226	37.3	36.3	54.5
229	14.0	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.44 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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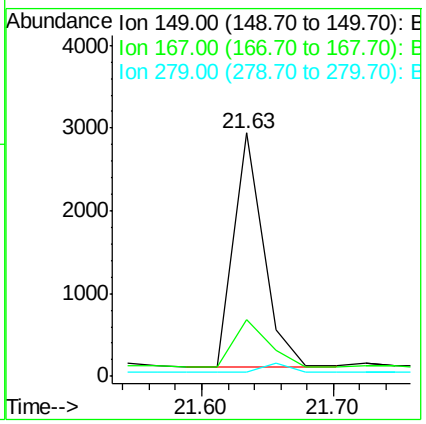
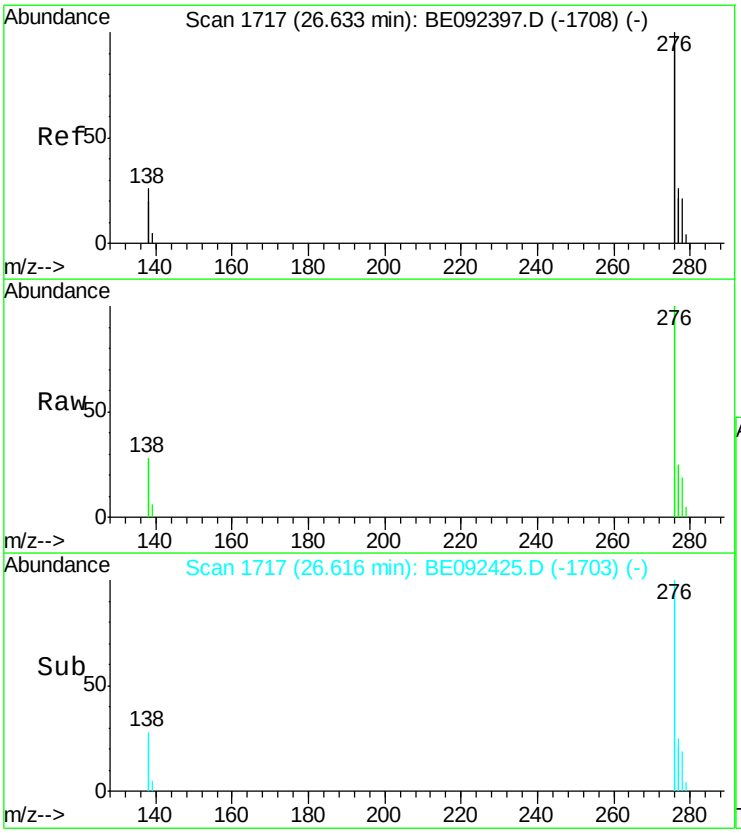
Tgt Ion:149 Resp: 4472

Ion	Ratio	Lower	Upper
149	100		
167	23.5	16.0	24.0
279	0.0	16.0	24.0#

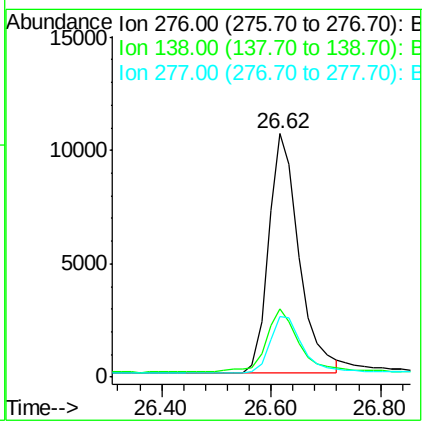


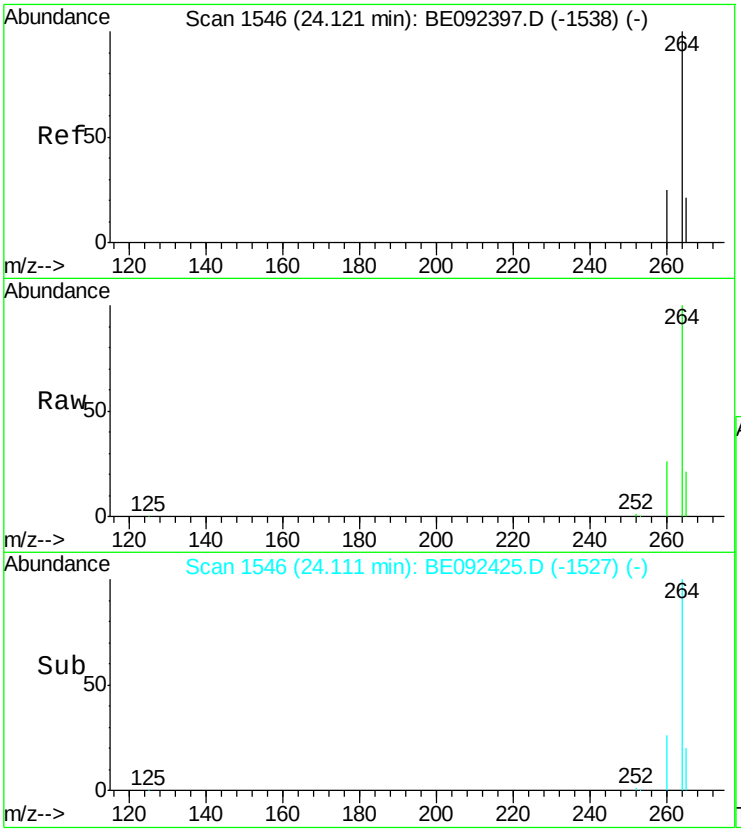


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.35 ng
RT: 26.62 min Scan# 1717
Delta R.T. 0.04 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:276 Resp: 40625

Ion	Ratio	Lower	Upper
276	100		
138	27.9	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: BE092425.D
Acq: 26 Sep 2016 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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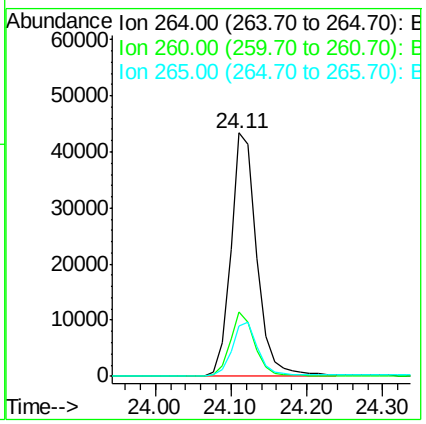
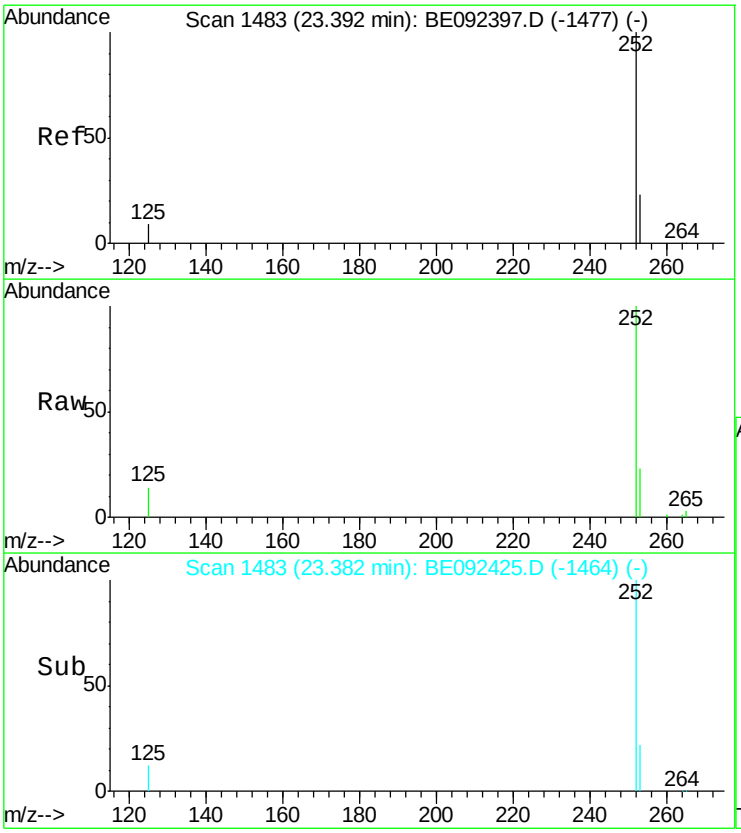
Tgt Ion:264 Resp: 103337

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.1	30.1
265	20.7	17.9	26.9

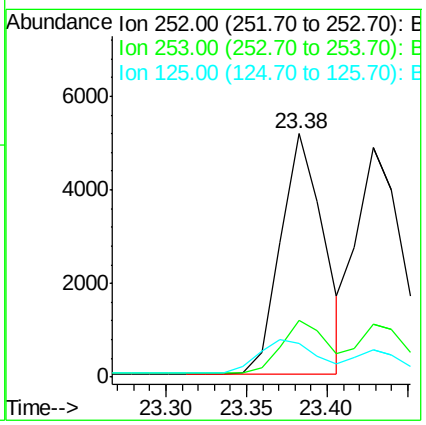


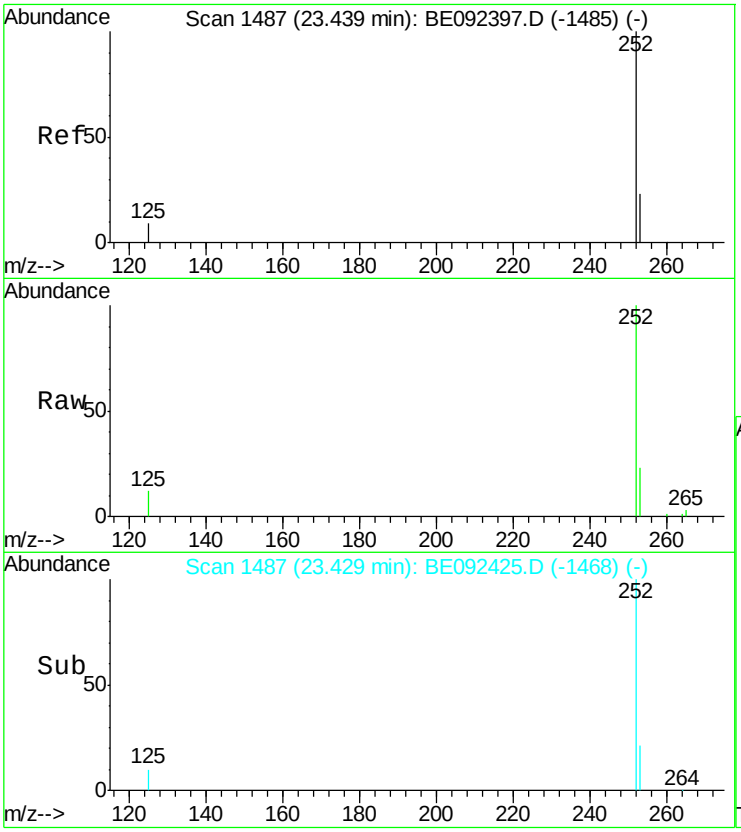


#32
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:252 Resp: 9595

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	13.9	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.38 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:252 Resp: 10081

Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.3	30.5
125	12.0	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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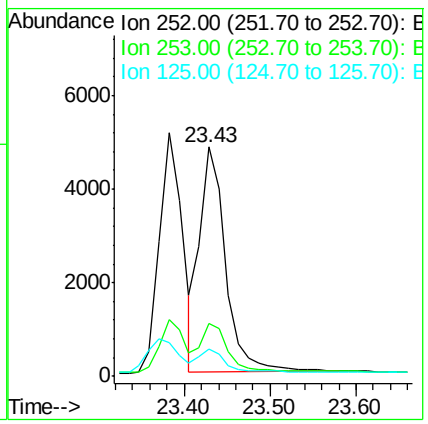
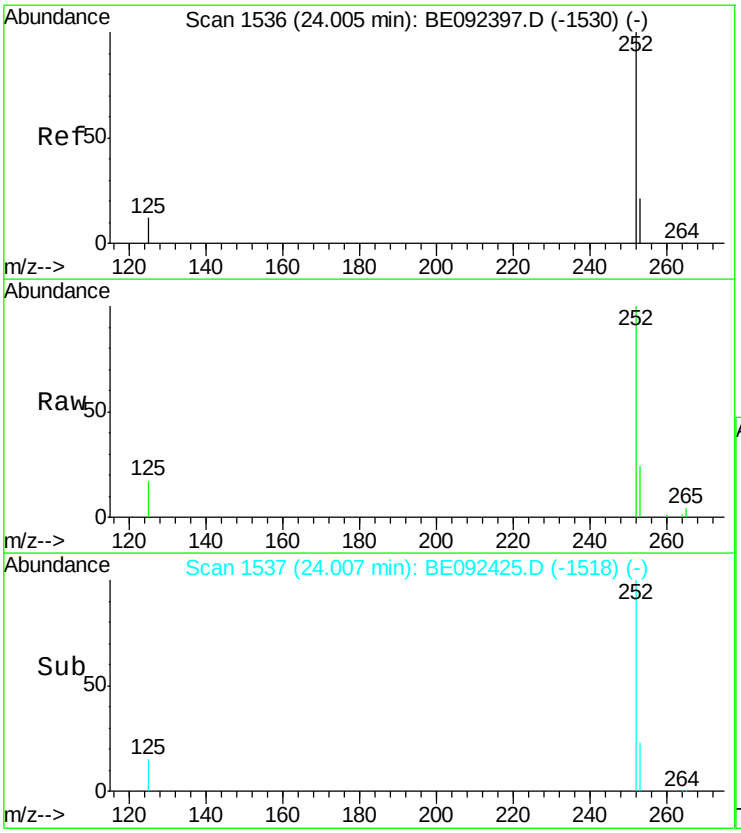
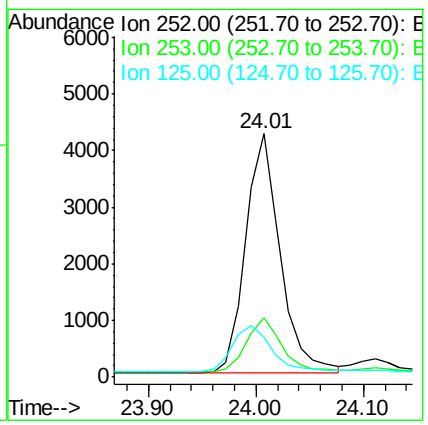


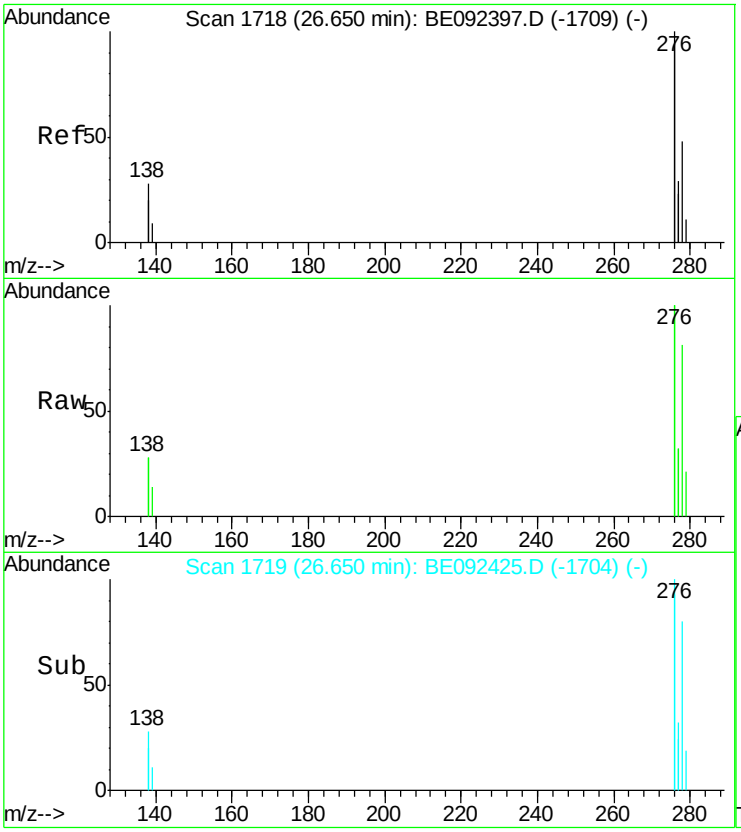


#34
Benzo(a)pyrene
Concen: 0.38 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:252 Resp: 9425

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.6
125	16.7	11.8	17.8





#35
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Manual Integrations APPROVED
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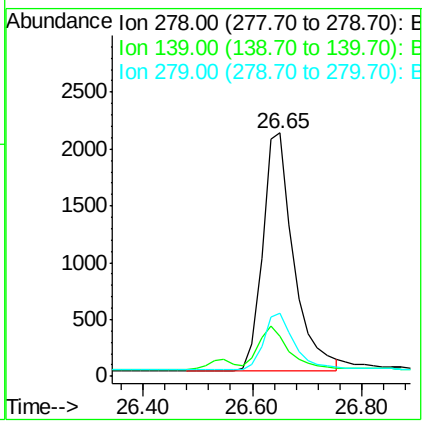
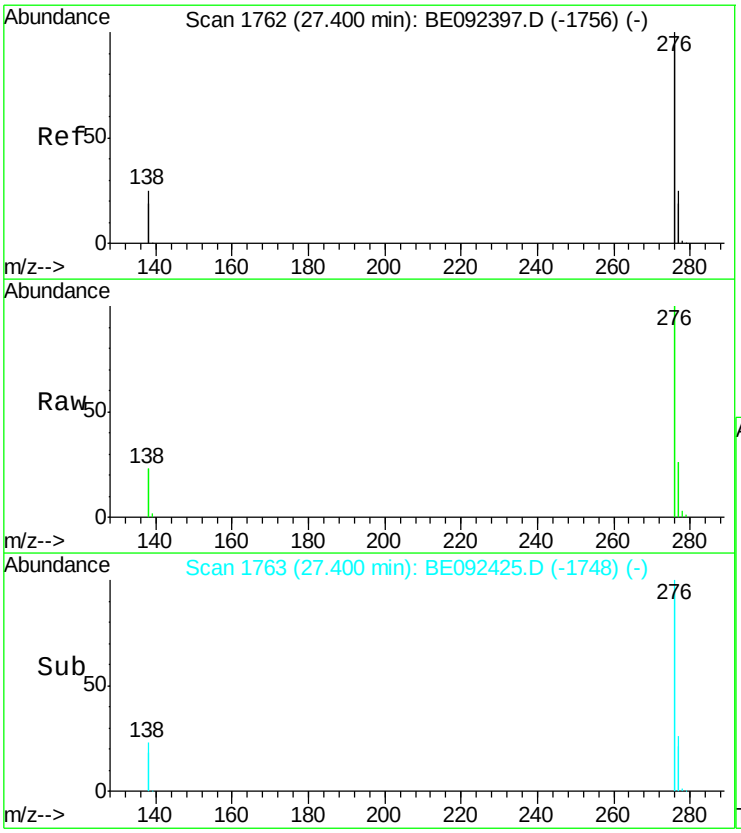
Tgt Ion:278 Resp: 8297

Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.8	20.8
279	26.1	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092425.D
Acq: 26 Sep 2016 12:37

Tgt Ion:276 Resp: 34689

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.8	29.8
138	23.5	19.8	29.6