Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
Data File : BE092730.D
Acq On : 15 Feb 2017 13:02
Operator : SJ/MA
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Manual Integrations APPROVED
mohammad
2/16/2017 11:44:31 AM

Quant Time: Feb 15 13:46:29 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 15 13:34:48 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	8819	5.00	ng		0.00
7) Naphthalene-d8	10.89	136	42028	5.00	ng		0.00
12) Acenaphthene-d10	14.76	164	25729	5.00	ng		0.00
18) Phenanthrene-d10	17.51	188	53561	5.00	ng		0.00
24) Chrysene-d12	21.70	240	62677	5.00	ng		0.00
31) Perylene-d12	24.03	264	63744	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.63	112	659	0.33	ng		0.00
5) Phenol-d6	7.31	99	813	0.34	ng		0.00
8) Nitrobenzene-d5	9.32	82	905	0.33	ng		0.00
13) 2,4,6-Tribromophenol	16.28	330	214	0.33	ng		0.00
14) 2-Fluorobiphenyl	13.40	172	2544	0.40	ng		0.00
26) Terphenyl-d14	20.14	244	3104	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	495	0.36	ng		96
3) n-Nitrosodimethylamine	3.73	42	457	0.29	ng	#	95
6) bis(2-Chloroethyl)ether	7.54	93	858	0.33	ng	#	84
9) Naphthalene	10.93	128	3667	0.42	ng		97
10) Hexachlorobutadiene	11.22	225	556	0.43	ng		99
11) 2-Methylnaphthalene	12.59	142	2225	0.41	ng		95
15) Acenaphthylene	14.47	152	15416	0.43	ng		100
16) Acenaphthene	14.83	154	2278	0.40	ng		88
17) Fluorene	15.82	166	2868	0.40	ng		99
19) Hexachlorobenzene	16.84	284	908	0.45	ng	#	63
20) Pentachlorophenol	17.30	266	153	0.28	ng	#	82
21) Phenanthrene	17.56	178	5359	0.45	ng	#	94
22) Anthracene	17.65	178	4586m	0.42	ng		
23) Fluoranthene	19.56	202	21880	0.42	ng		99
25) Pyrene	19.92	202	23167	0.37	ng		100
27) Benzo(a)anthracene	21.68	228	23801	0.39	ng	#	85
28) Chrysene	21.72	228	28865m	0.42	ng		
29) Bis(2-ethylhexyl)phthalate	21.59	149	2916	0.25	ng	#	74
30) Indeno(1,2,3-cd)pyrene	26.50	276	32748	0.44	ng		97
32) Benzo(b)fluoranthene	23.31	252	6988	0.45	ng		97
33) Benzo(k)fluoranthene	23.36	252	6951	0.45	ng		99
34) Benzo(a)pyrene	23.93	252	6170	0.43	ng		97
35) Dibenzo(a,h)anthracene	26.51	278	6796	0.48	ng		97
36) Benzo(g,h,i)perylene	27.25	276	28944	0.48	ng		97

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

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Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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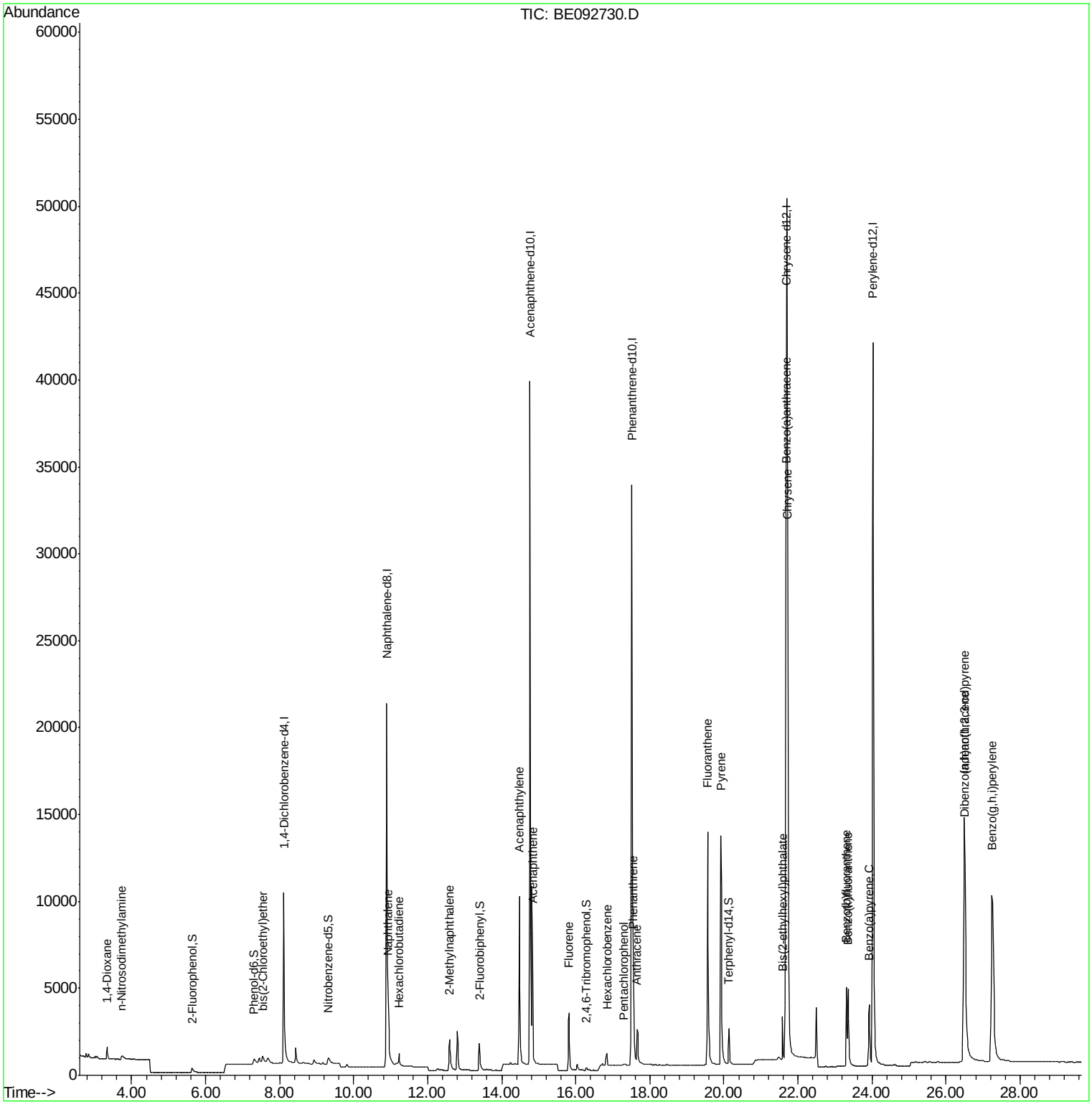
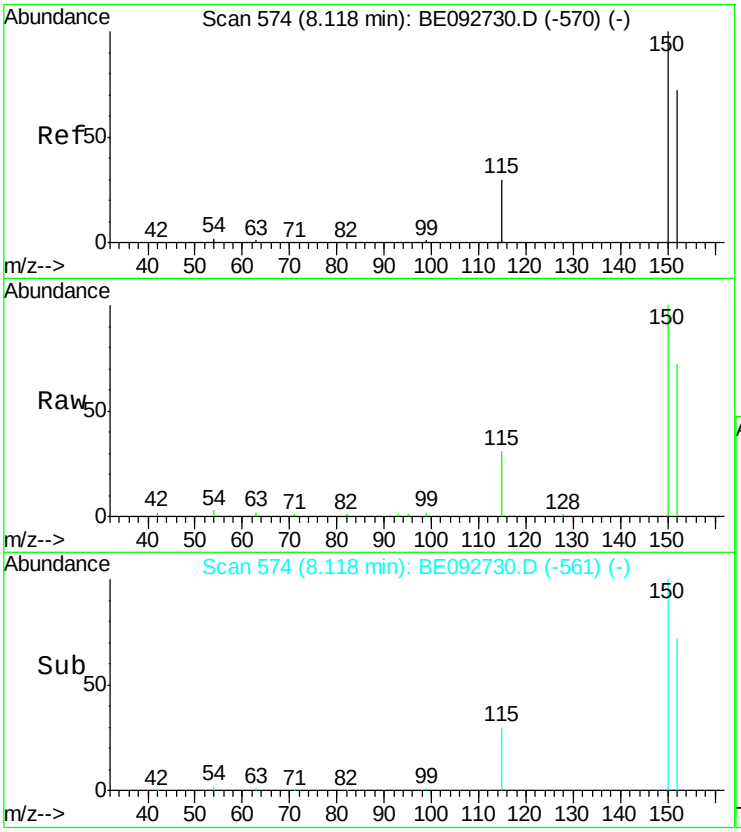
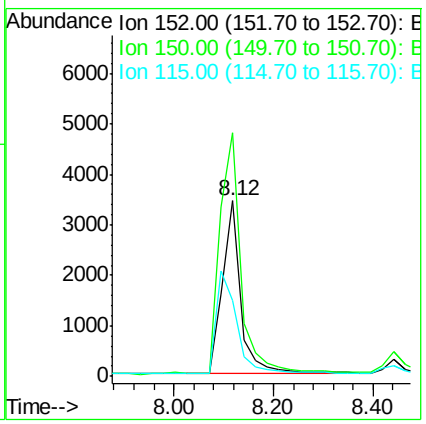




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.12 min Scan# 574
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:152 Resp: 8819

Ion	Ratio	Lower	Upper
152	100		
150	139.0	106.0	159.0
115	43.1	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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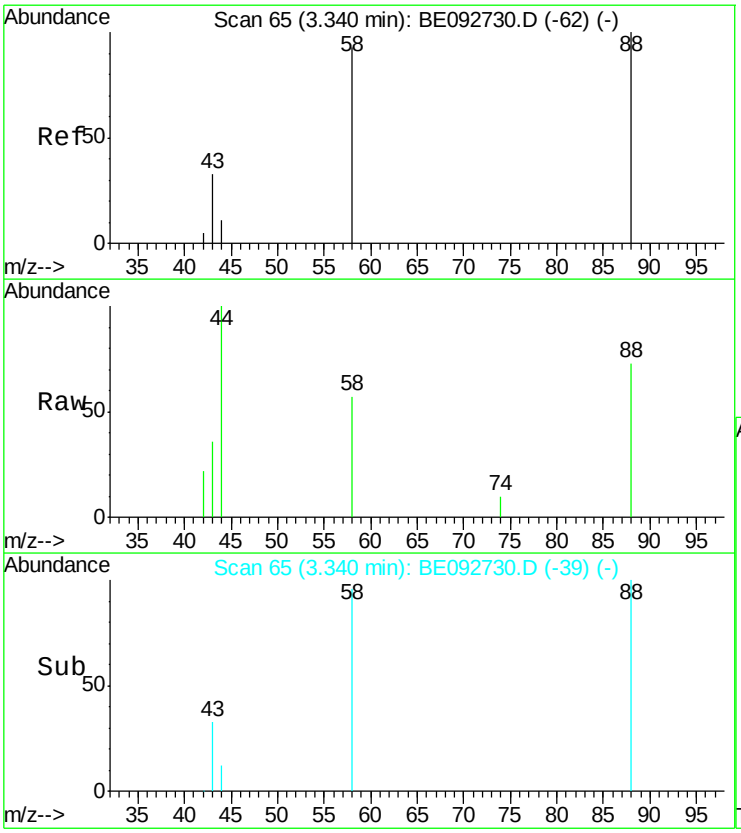
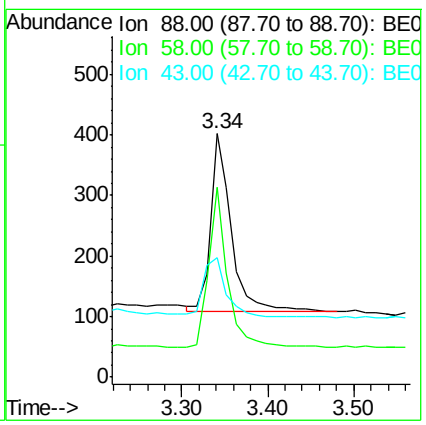
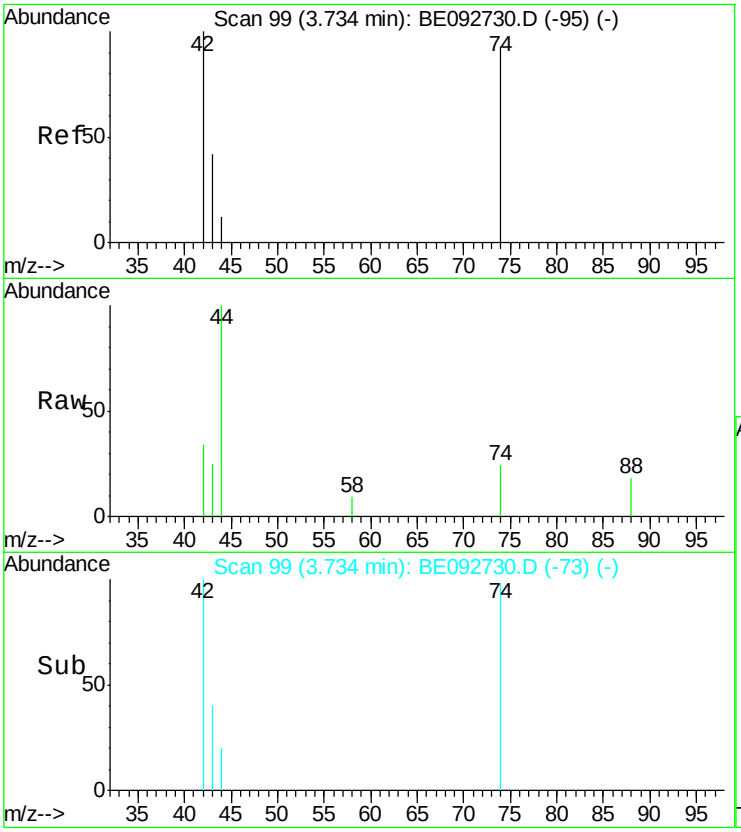


#2
1,4-Dioxane
Concen: 0.36 ng
RT: 3.34 min Scan# 65
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion: 88 Resp: 495

Ion	Ratio	Lower	Upper
88	100		
58	83.2	63.6	95.4
43	37.0	28.0	42.0

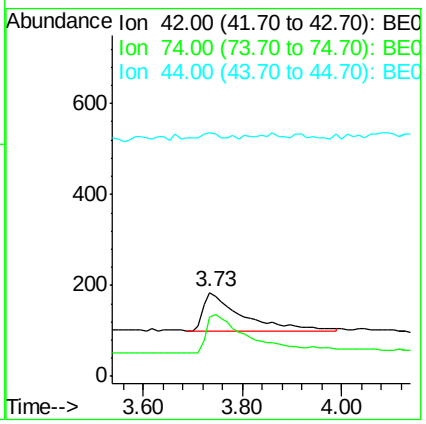




#3
n-Nitrosodimethylamine
Concen: 0.29 ng
RT: 3.73 min Scan# 99
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion: 42 Resp: 457

Ion	Ratio	Lower	Upper
42	100		
74	113.1	86.0	129.0
44	4.2	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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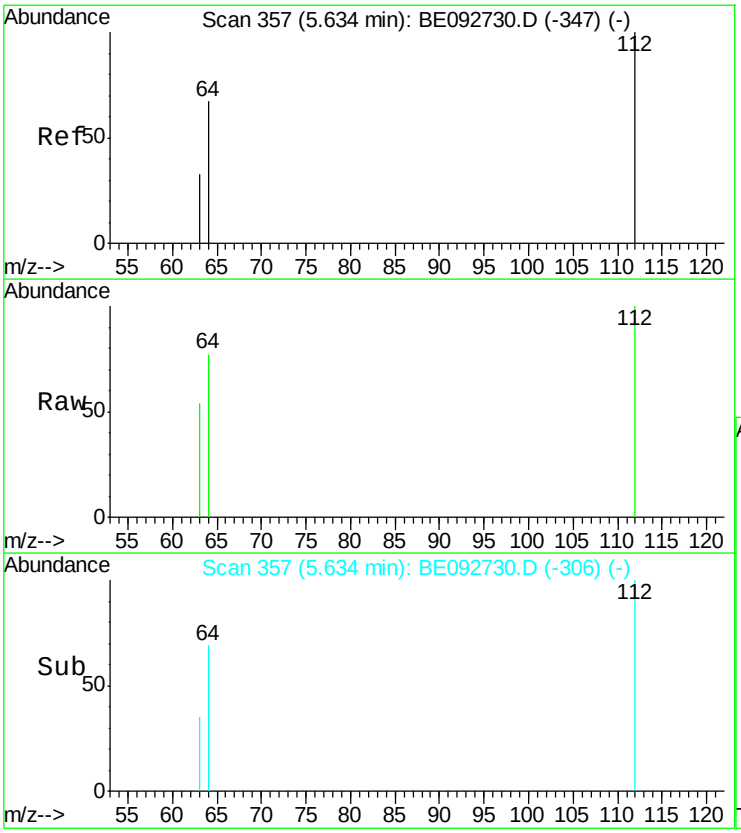
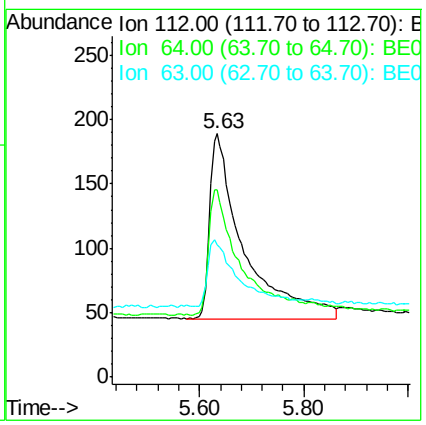
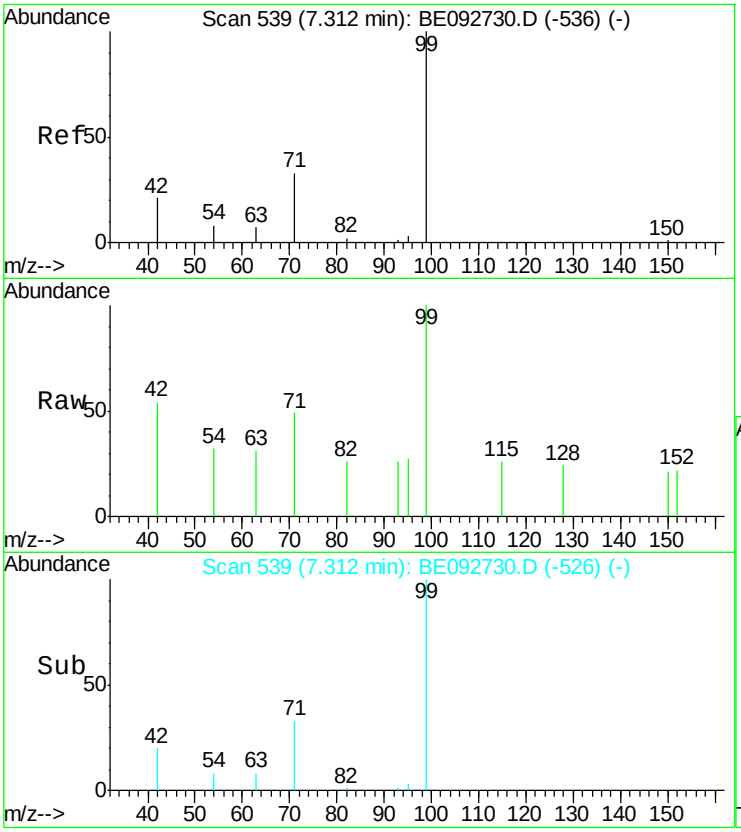


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.63 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:112 Resp: 659

Ion	Ratio	Lower	Upper
112	100		
64	63.6	53.5	80.3
63	32.6	27.9	41.9

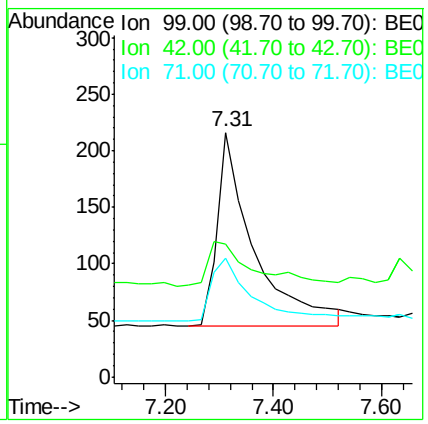




#5
Phenol-d6
Concen: 0.34 ng
RT: 7.31 min Scan# 539
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion: 99 Resp: 813

Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	37.3	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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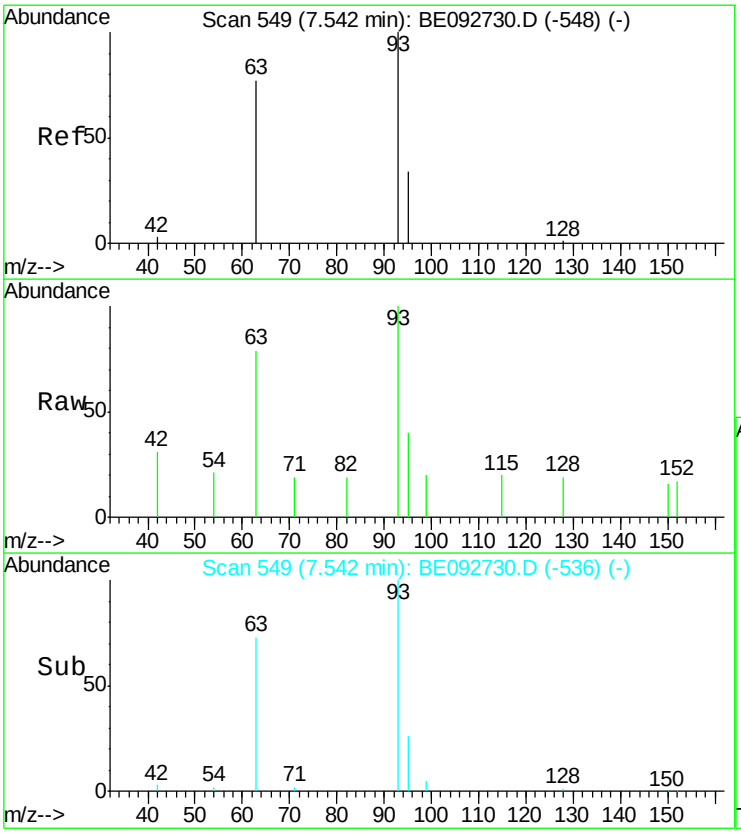
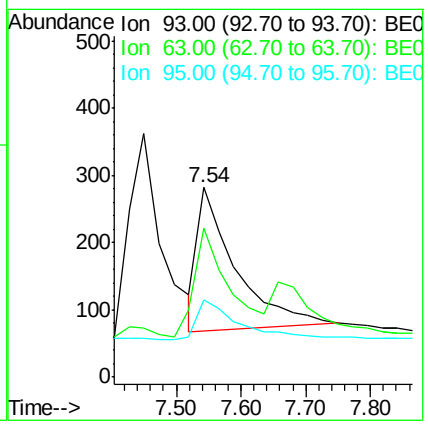
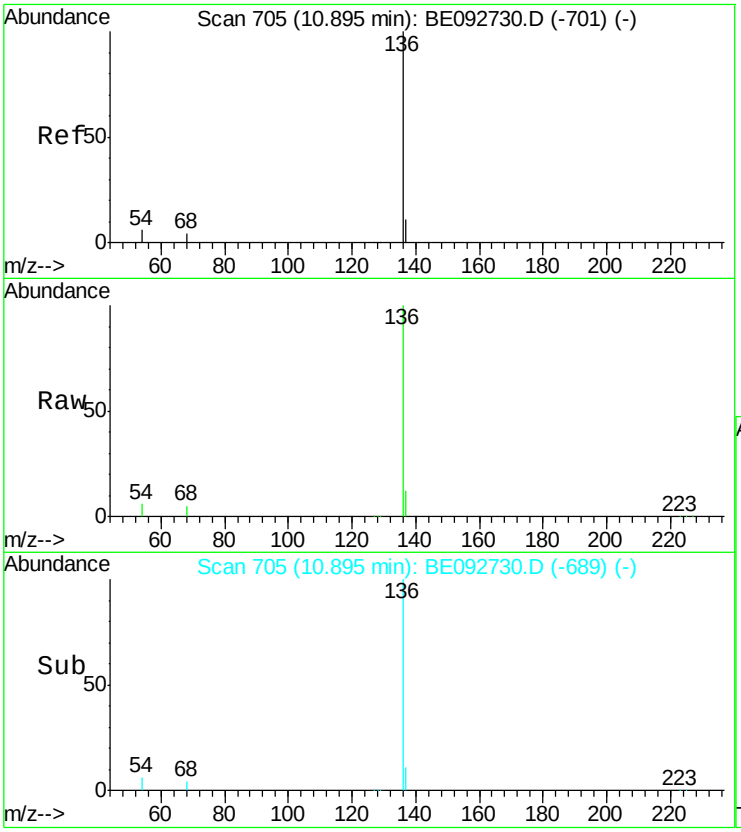


#6
bis(2-Chloroethyl)ether
Concen: 0.33 ng
RT: 7.54 min Scan# 549
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion: 93 Resp: 858

Ion	Ratio	Lower	Upper
93	100		
63	70.9	71.6	107.4#
95	32.4	24.0	36.0

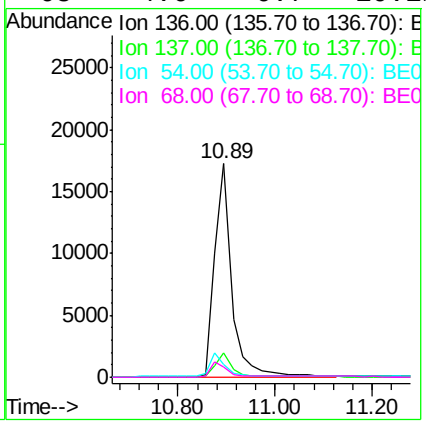




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.89 min Scan# 705
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:136 Resp: 42028

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.2	12.4
54	6.1	9.6	14.4#
68	4.6	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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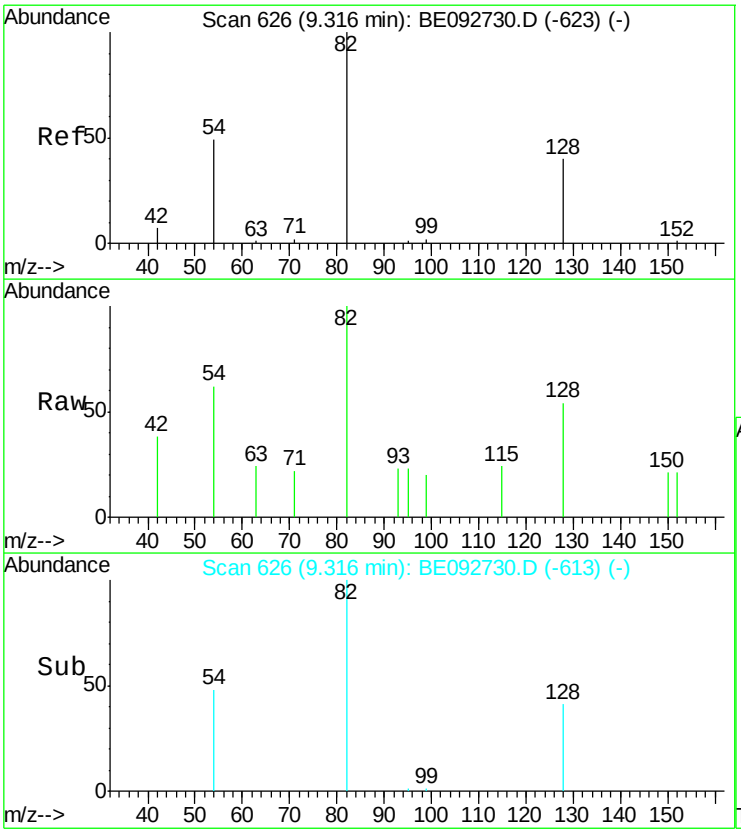
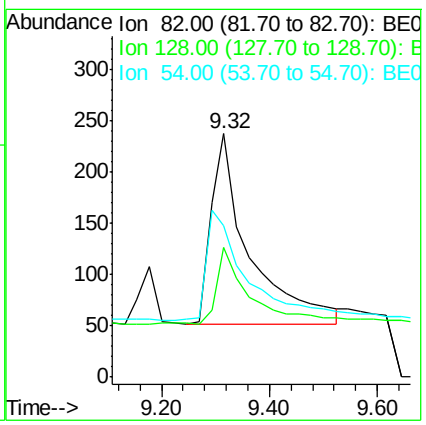
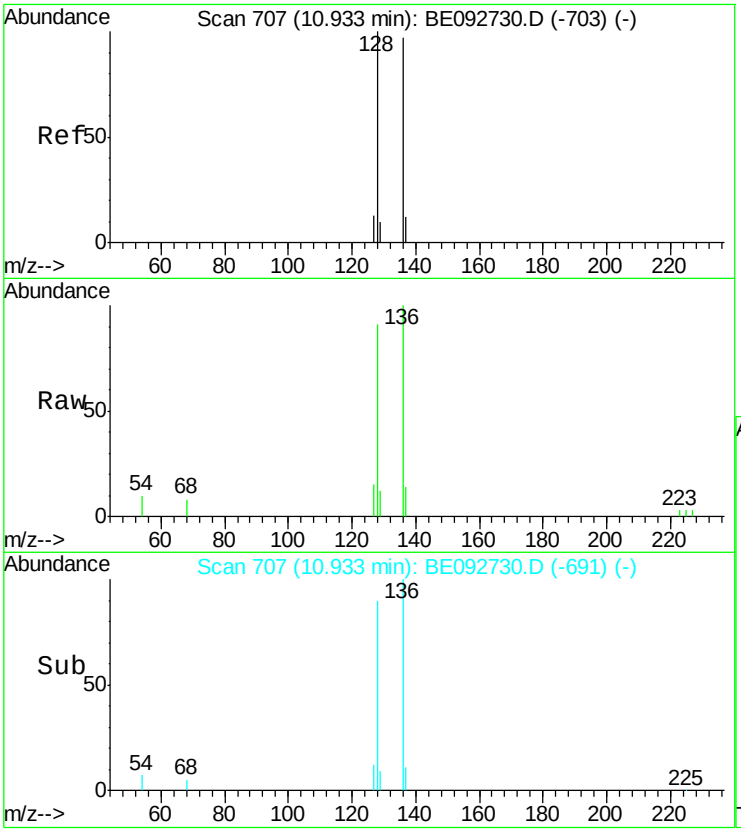


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 9.32 min Scan# 626
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion: 82 Resp: 905

Ion	Ratio	Lower	Upper
82	100		
128	53.6	39.0	58.4
54	62.0	44.8	67.2

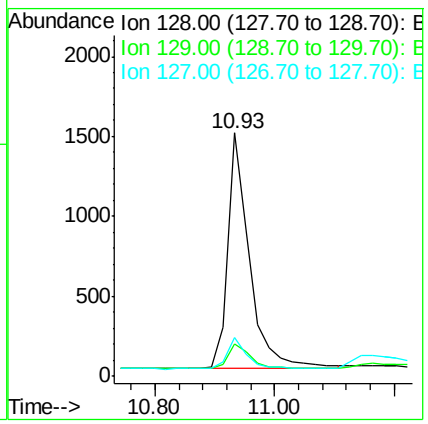




#9
Naphthalene
Concen: 0.42 ng
RT: 10.93 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:128 Resp: 3667

Ion	Ratio	Lower	Upper
128	100		
129	13.3	11.2	16.8
127	16.0	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
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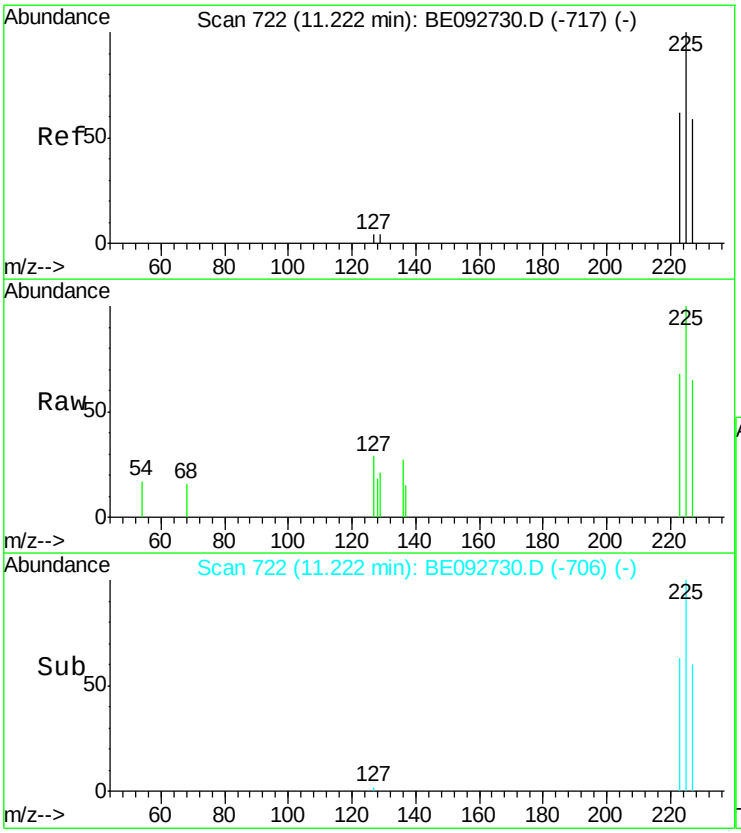
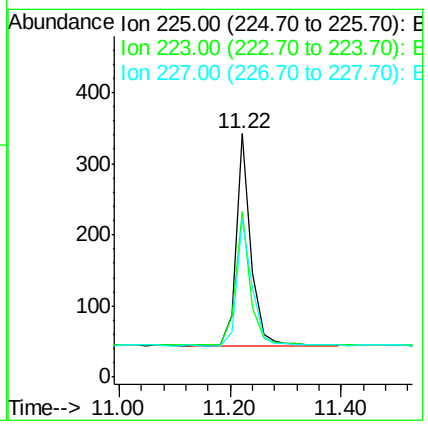
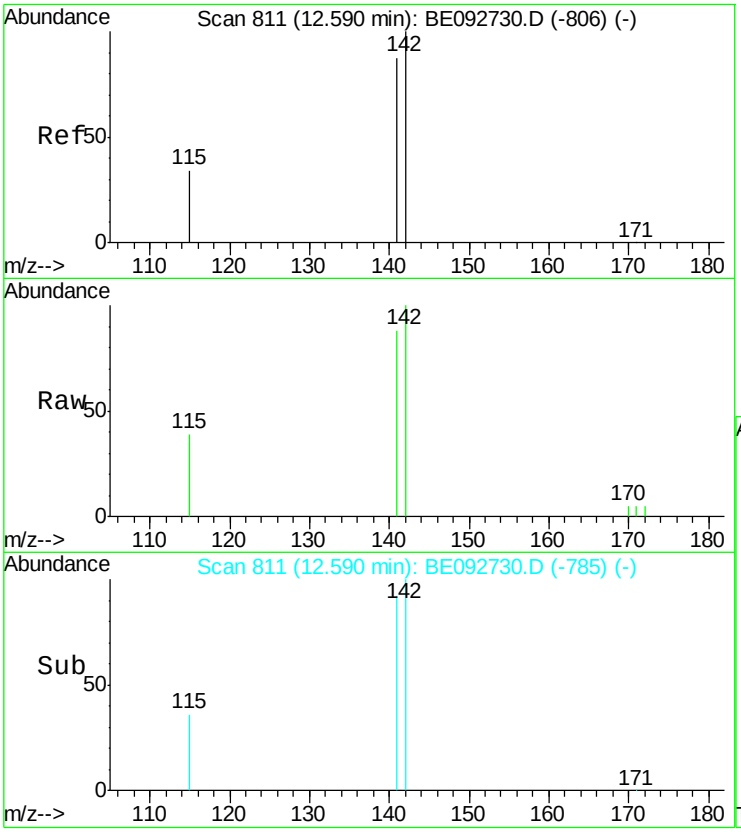


#10
Hexachlorobutadiene
Concen: 0.43 ng
RT: 11.22 min Scan# 722
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:225 Resp: 556

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	76.0
227	63.1	51.4	77.0

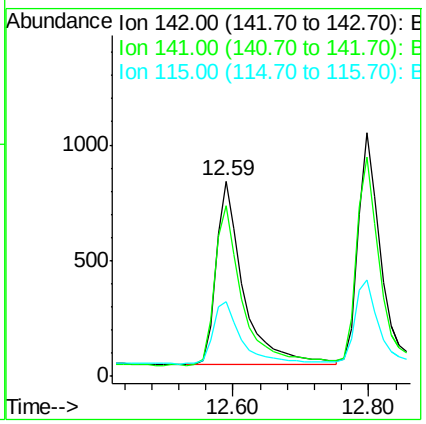




#11
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.59 min Scan# 811
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:142 Resp: 2225

Ion	Ratio	Lower	Upper
142	100		
141	87.7	73.7	110.5
115	38.6	34.0	51.0



Instrument :
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ClientSampleId :
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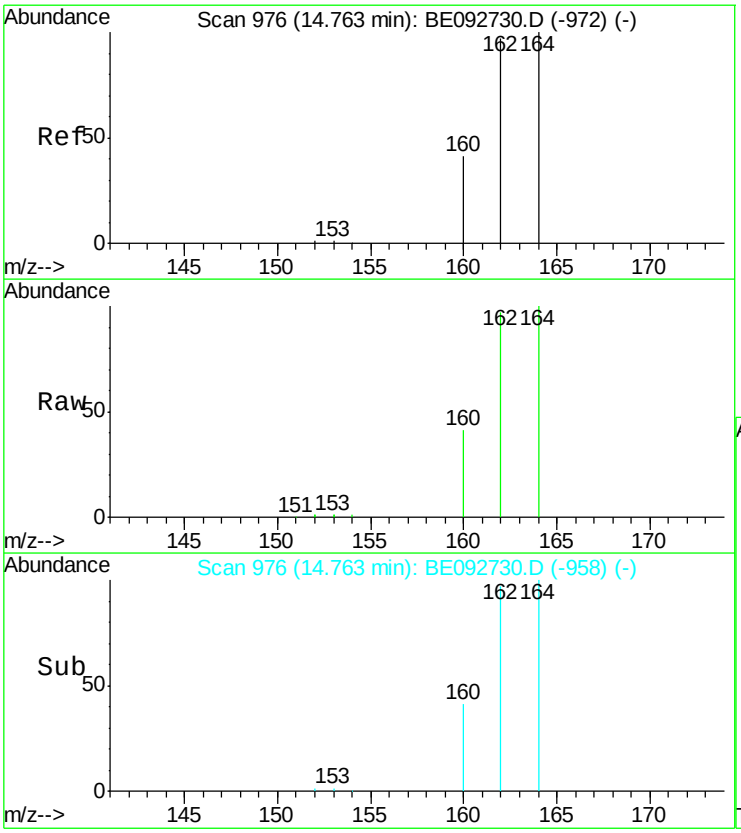
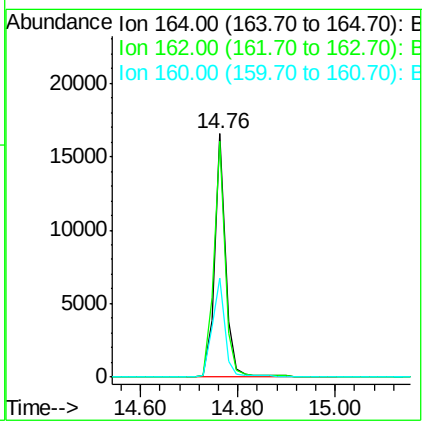
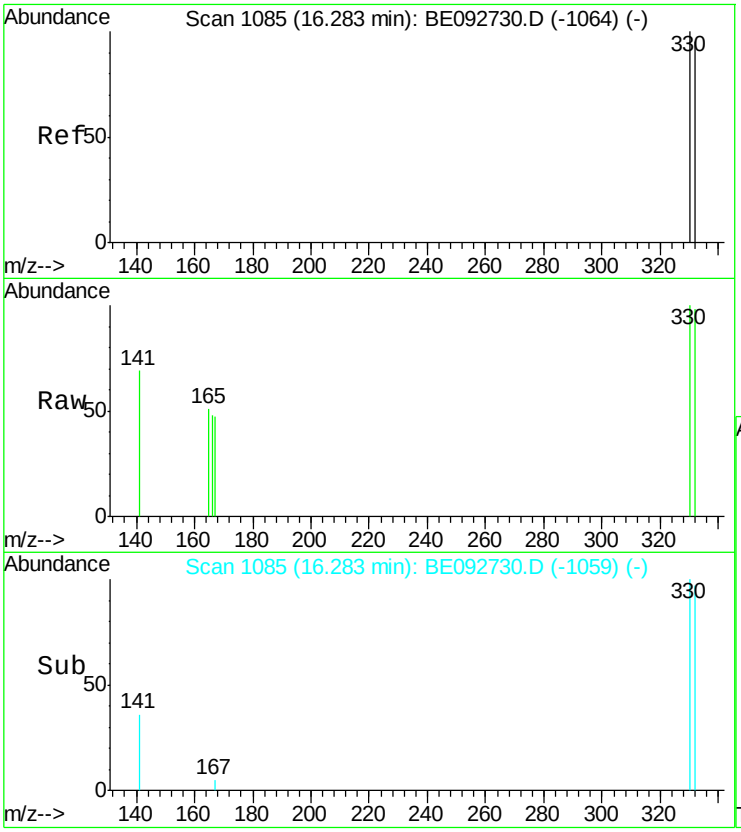


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.76 min Scan# 976
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:164 Resp: 25729

Ion	Ratio	Lower	Upper
164	100		
162	96.8	71.4	107.0
160	40.9	27.4	41.2

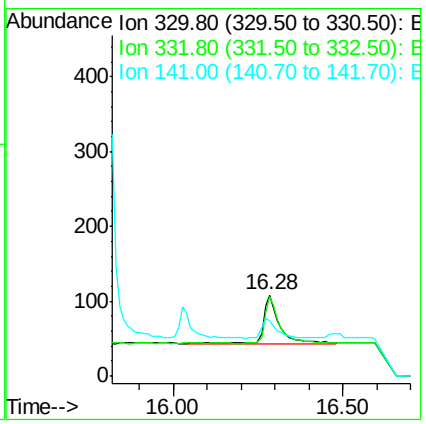




#13
2,4,6-Tribromophenol
Concen: 0.33 ng
RT: 16.28 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:330 Resp: 214

Ion	Ratio	Lower	Upper
330	100		
332	90.7	75.4	113.0
141	40.2	31.0	46.6



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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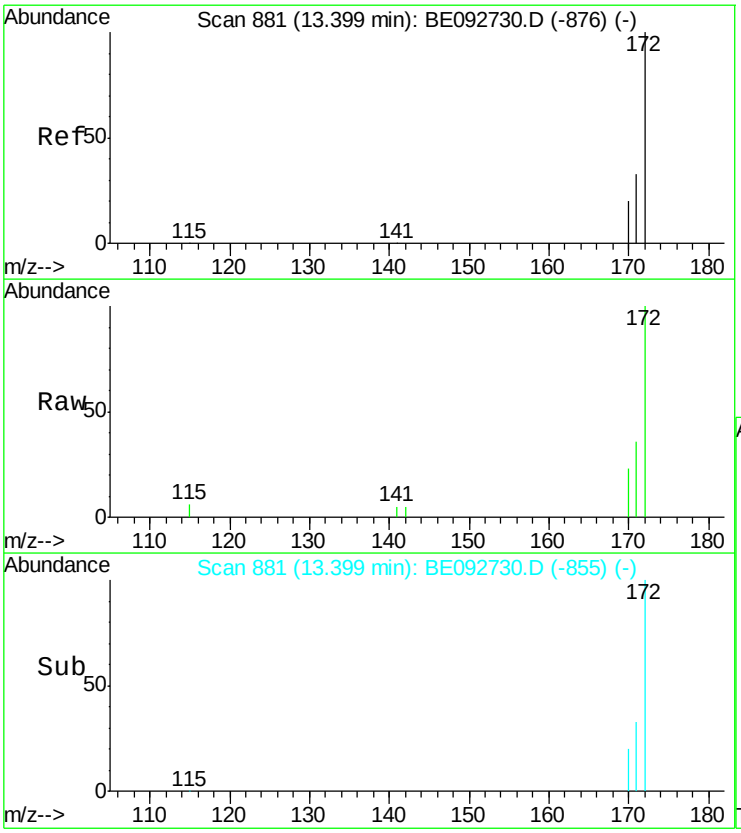
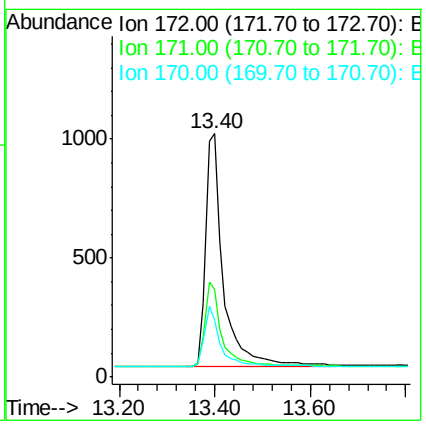
2/16/2017 11:44:31 AM

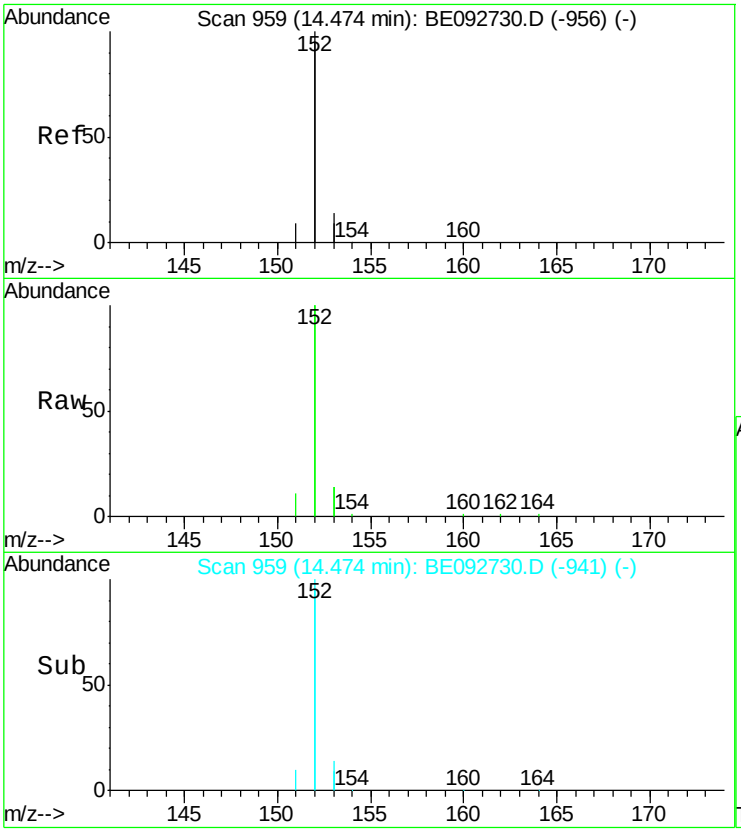


#14
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 13.40 min Scan# 881
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:172 Resp: 2544

Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.1	45.1
170	23.4	21.8	32.6

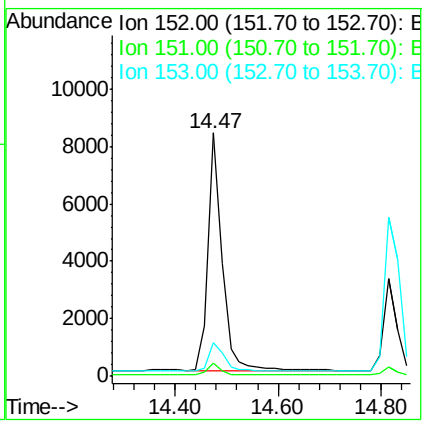




#15
Acenaphthylene
Concen: 0.43 ng
RT: 14.47 min Scan# 959
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:152 Resp: 15416

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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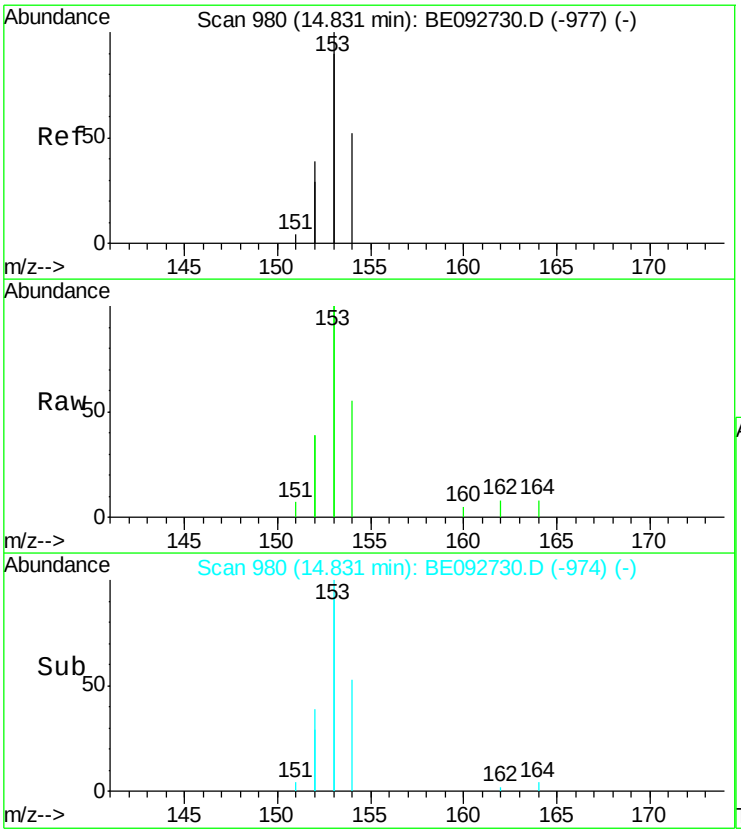
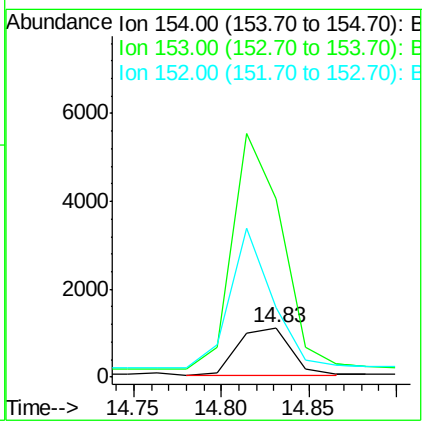
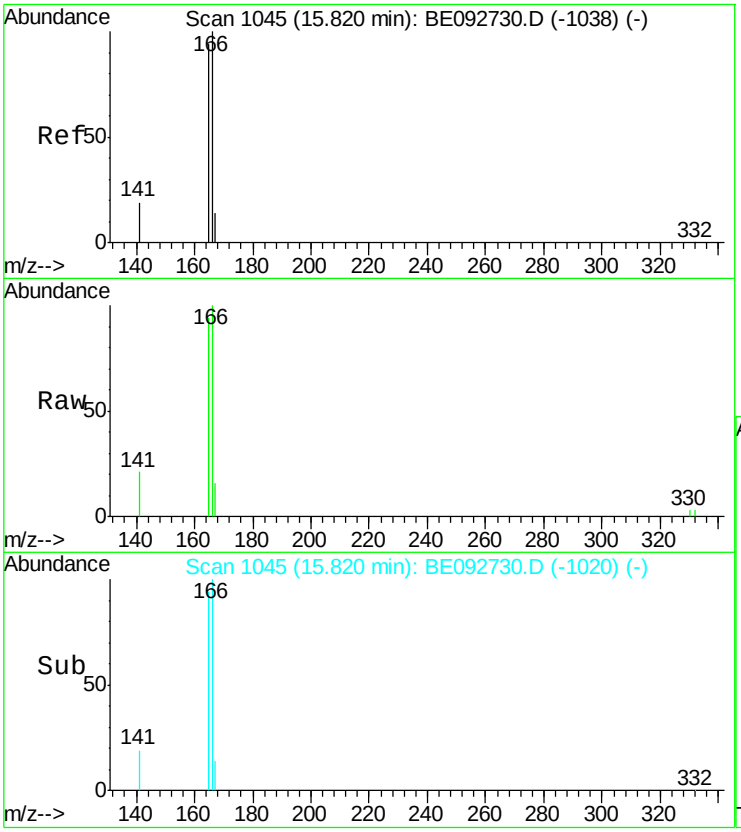


#16
Acenaphthene
Concen: 0.40 ng
RT: 14.83 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:154 Resp: 2278

Ion	Ratio	Lower	Upper
154	100		
153	462.2	350.8	526.2
152	239.2	171.1	256.7

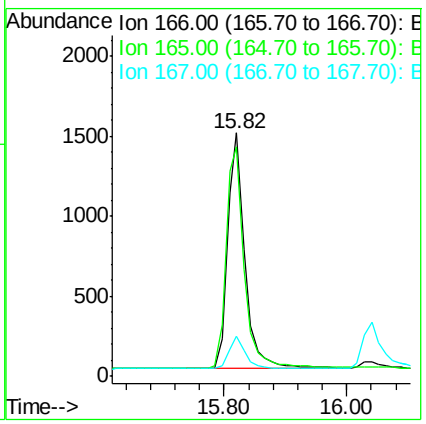




#17
Fluorene
Concen: 0.40 ng
RT: 15.82 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:166 Resp: 2868

Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.2	117.4
167	13.2	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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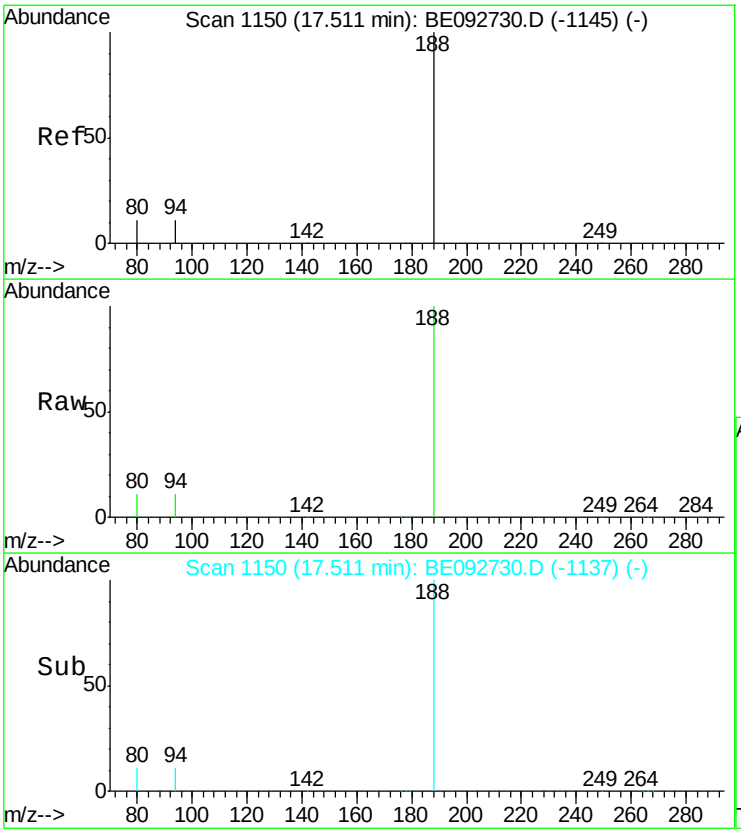
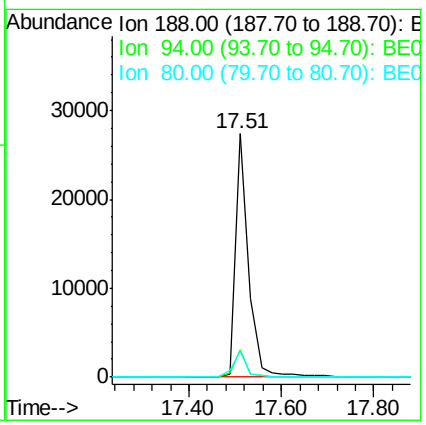
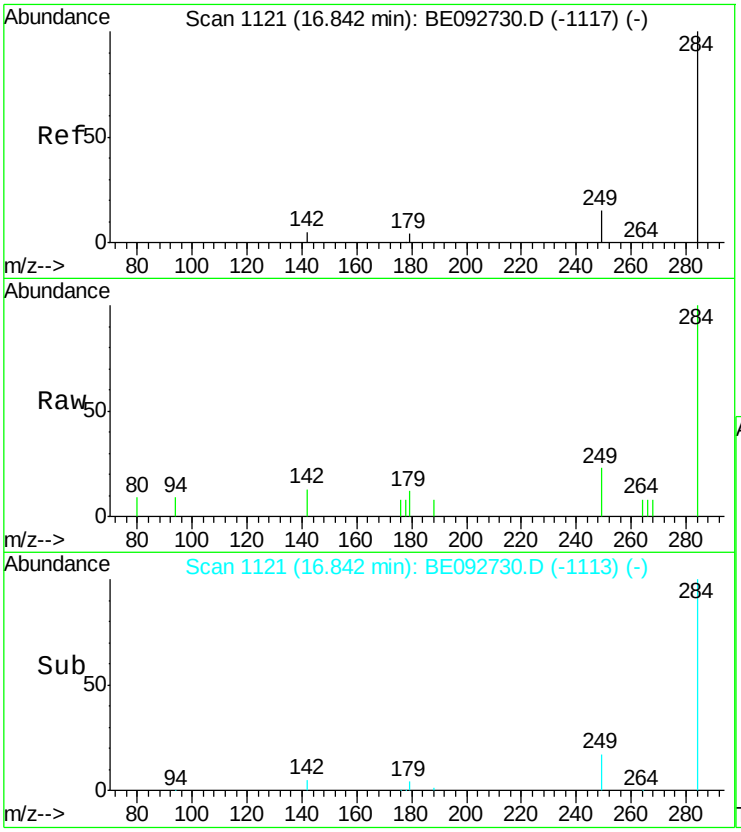


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:188 Resp: 53561

Ion	Ratio	Lower	Upper
188	100		
94	11.1	3.2	4.8#
80	10.9	2.6	3.8#





#19
Hexachlorobenzene
Concen: 0.45 ng
RT: 16.84 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:284 Resp: 908

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	28.0	27.9	41.9

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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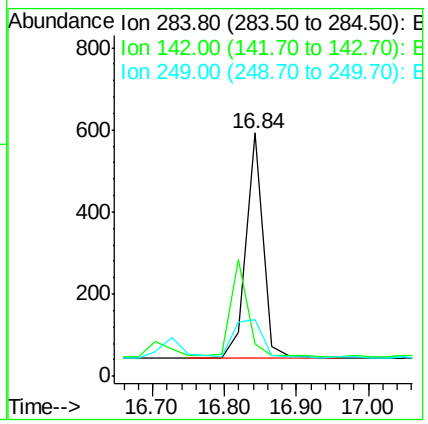
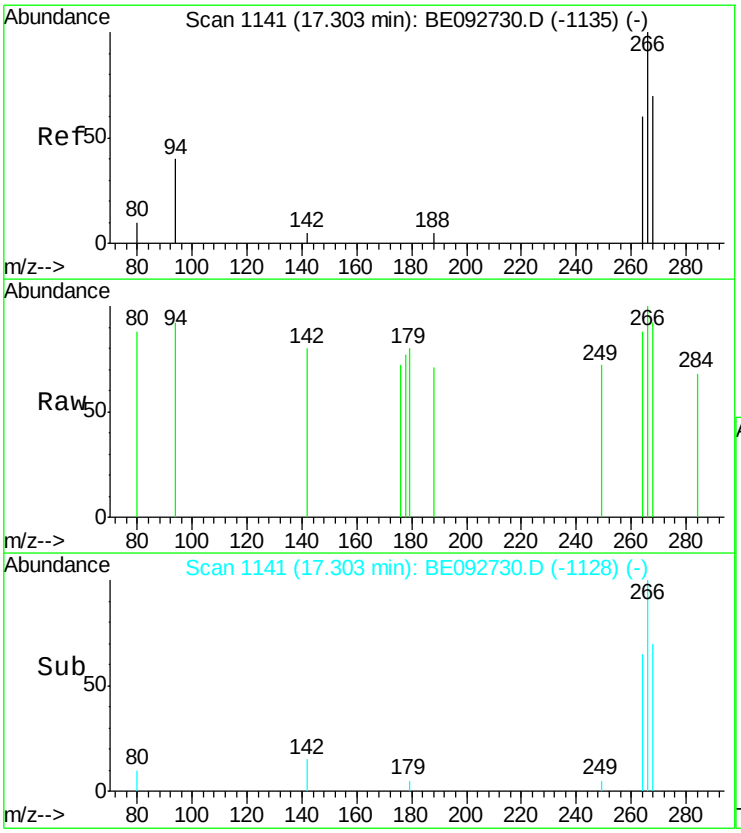
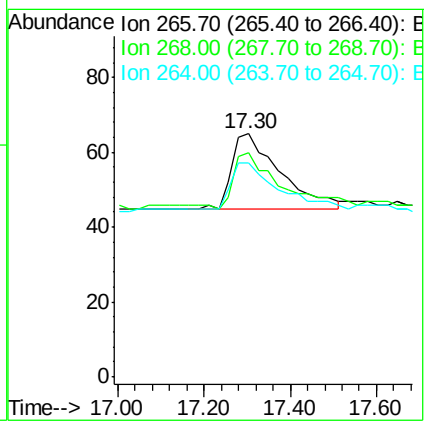


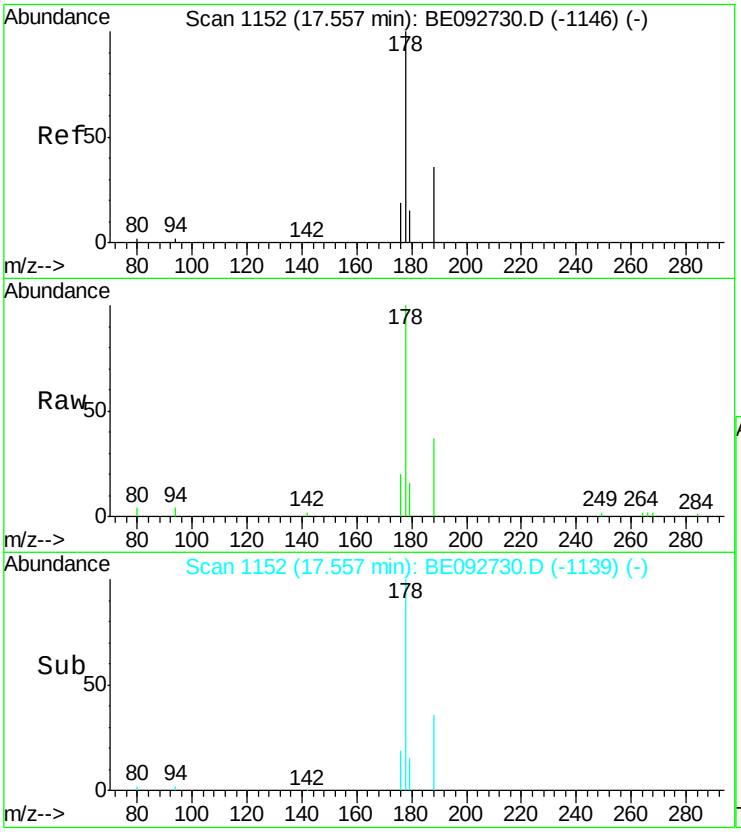


#20
Pentachlorophenol
Concen: 0.28 ng
RT: 17.30 min Scan# 1141
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:266 Resp: 153

Ion	Ratio	Lower	Upper
266	100		
268	92.3	62.5	93.7
264	87.7	57.2	85.8#





#21
Phenanthrene
Concen: 0.45 ng
RT: 17.56 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:178 Resp: 5359

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.8	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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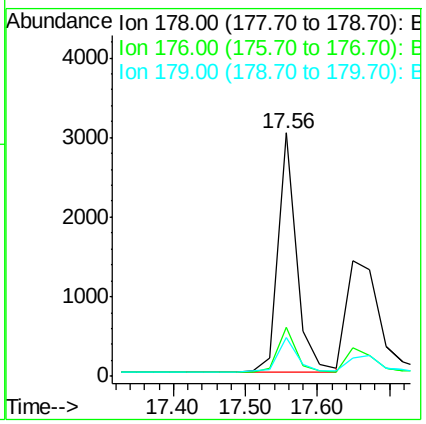
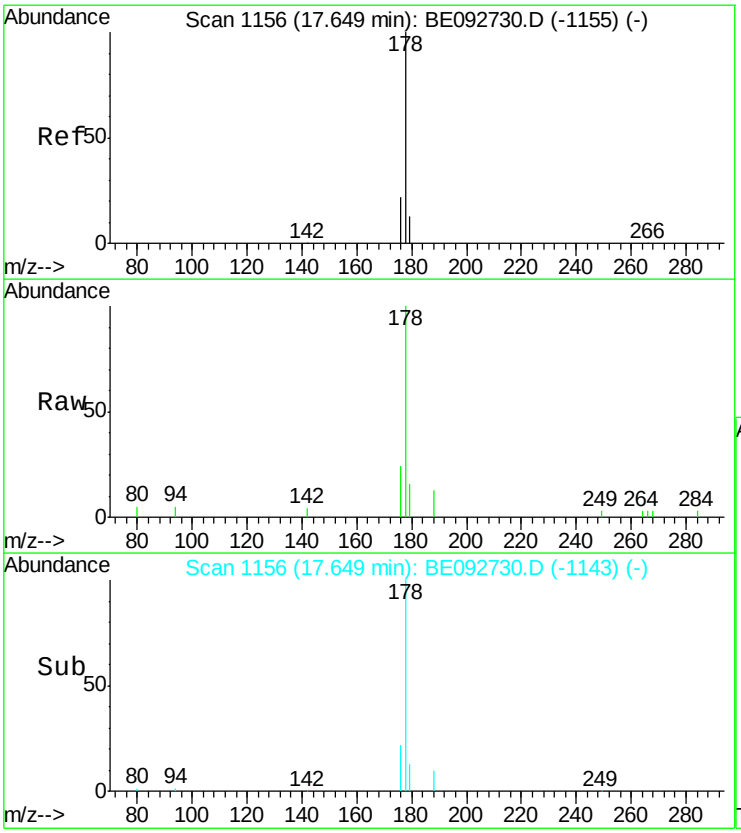
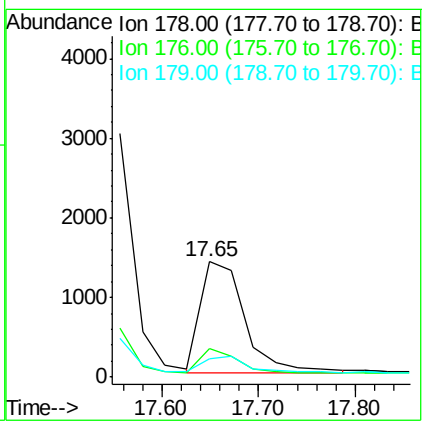


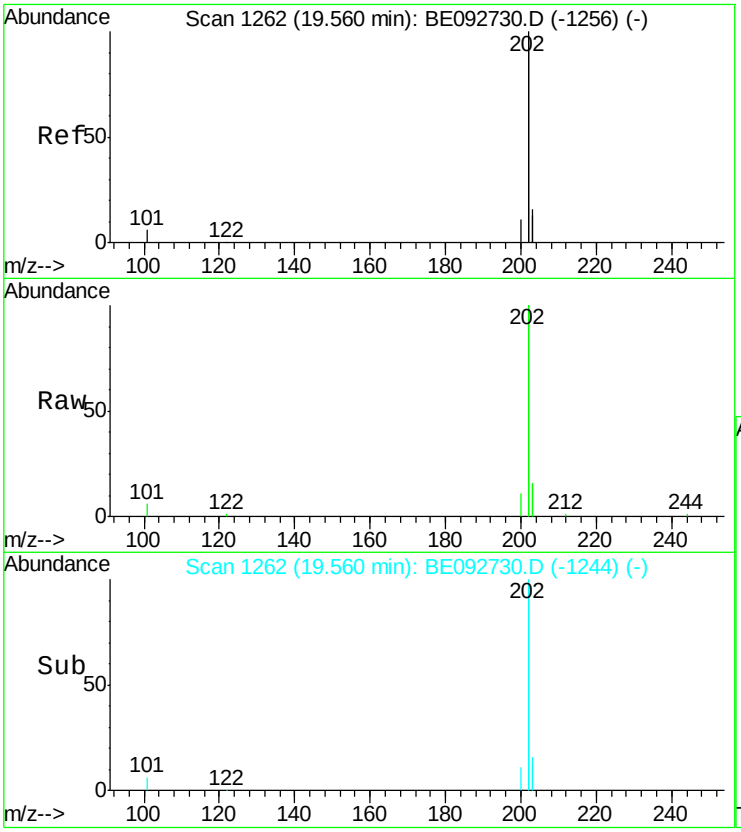


#22
Anthracene
Concen: 0.42 ng m
RT: 17.65 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:178 Resp: 4586

Ion	Ratio	Lower	Upper
178	100		
176	22.1	15.0	22.4
179	18.4	12.2	18.2#

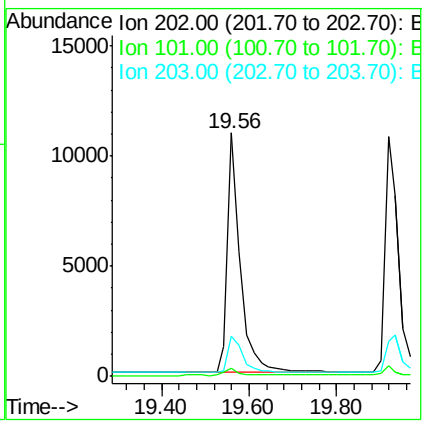




#23
Fluoranthene
Concen: 0.42 ng
RT: 19.56 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:202 Resp: 21880

Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.5	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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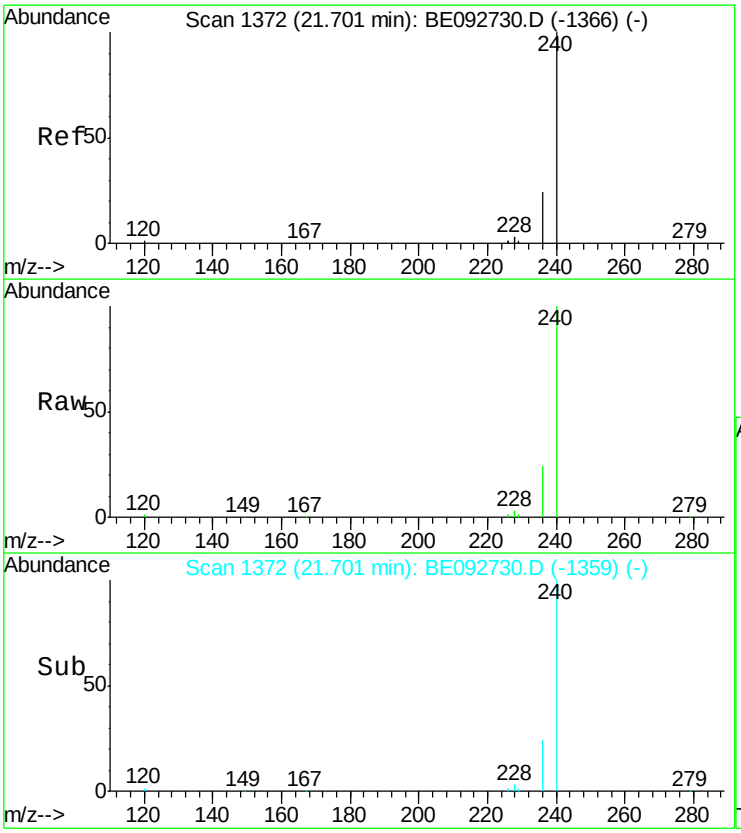
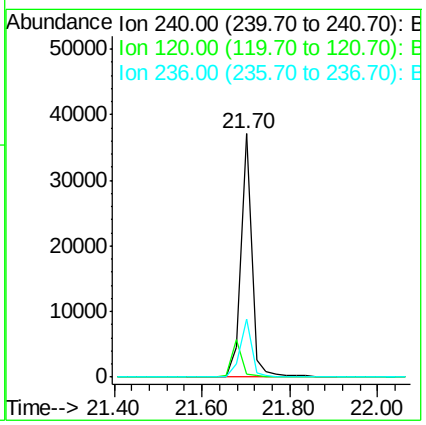
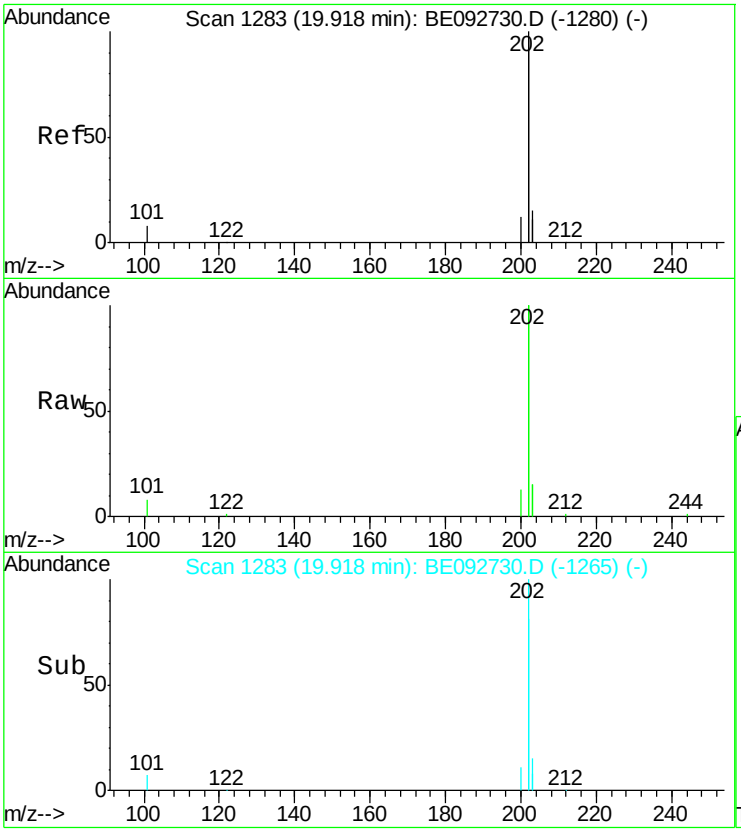


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.70 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:240 Resp: 62677

Ion	Ratio	Lower	Upper
240	100		
120	1.5	2.6	4.0#
236	23.7	24.6	37.0#

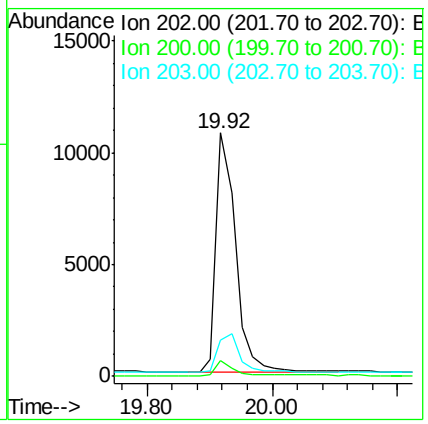




#25
Pyrene
Concen: 0.37 ng
RT: 19.92 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:202 Resp: 23167

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.2	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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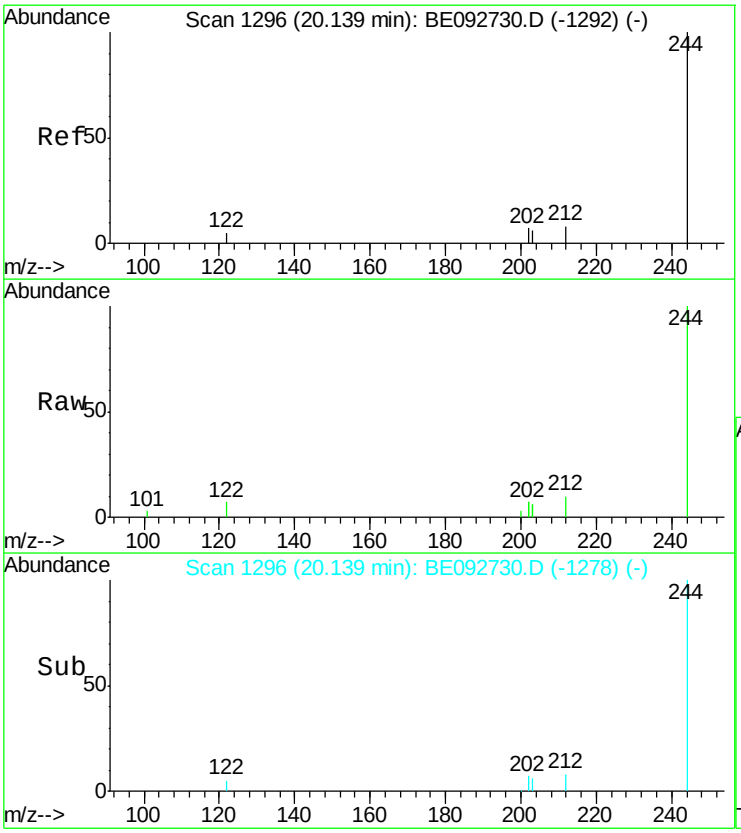
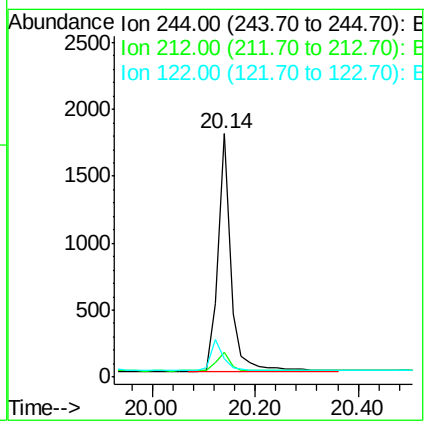
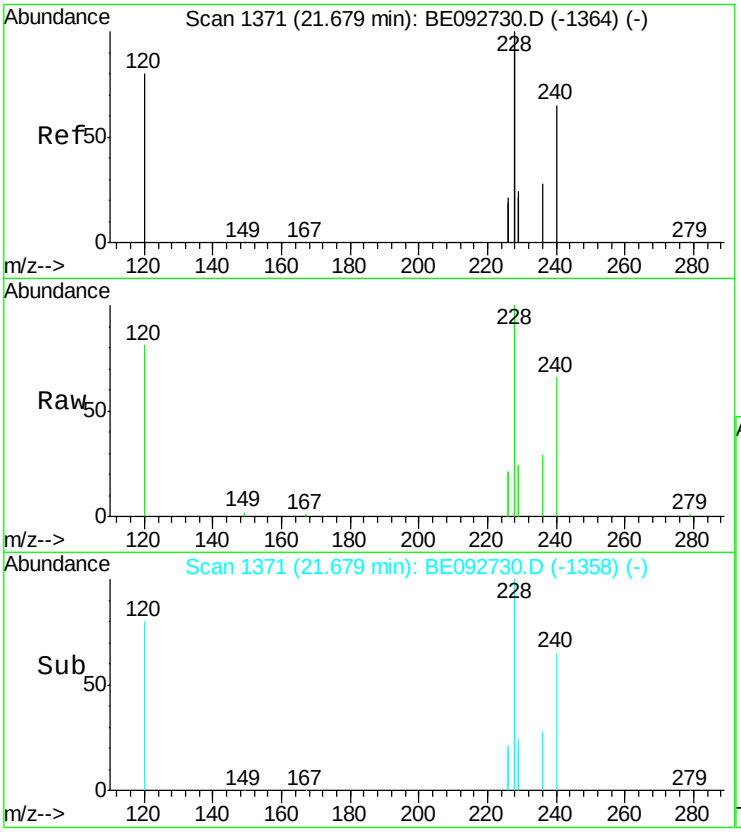


#26
Terphenyl-d14
Concen: 0.35 ng
RT: 20.14 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:244 Resp: 3104

Ion	Ratio	Lower	Upper
244	100		
212	10.1	6.7	10.1#
122	7.3	3.6	5.4#

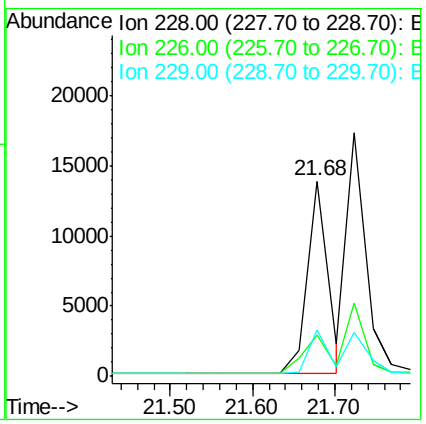




#27
Benzo(a)anthracene
Concen: 0.39 ng
RT: 21.68 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:228 Resp: 23801

Ion	Ratio	Lower	Upper
228	100		
226	21.5	23.6	35.4#
229	23.5	13.3	19.9#



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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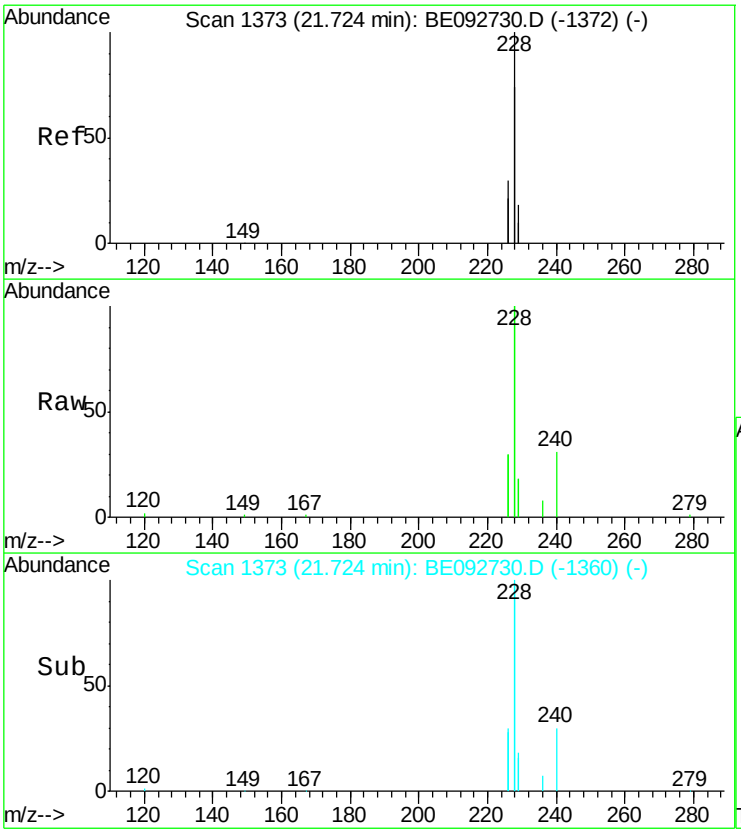
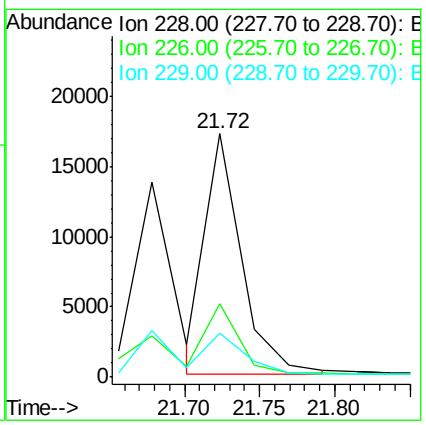
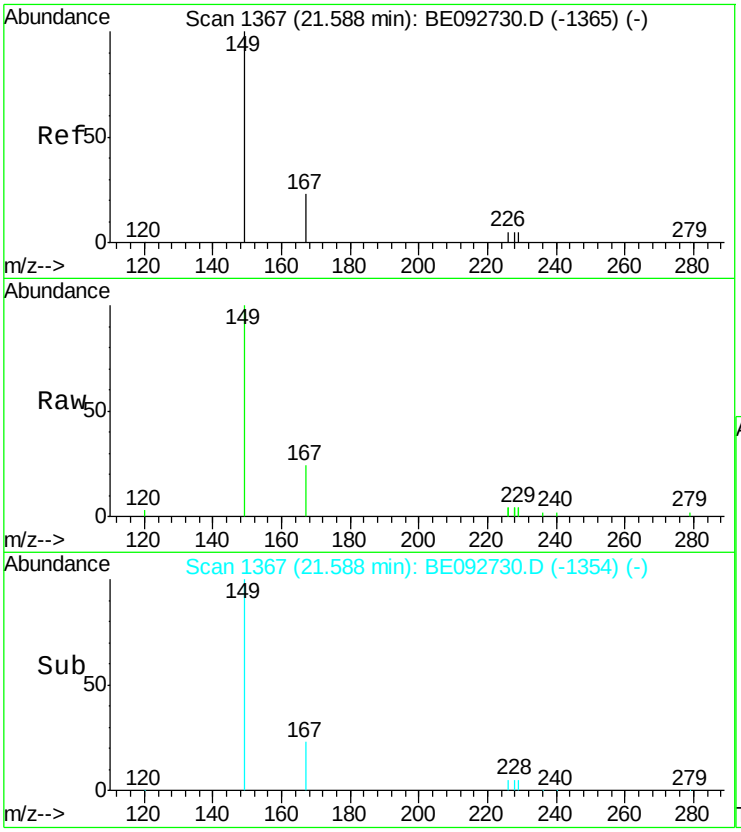


#28
Chrysene
Concen: 0.42 ng m
RT: 21.72 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:228 Resp: 28865

Ion	Ratio	Lower	Upper
228	100		
226	30.2	36.3	54.5#
229	17.9	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.25 ng
RT: 21.59 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:149 Resp: 2916

Ion	Ratio	Lower	Upper
149	100		
167	23.7	16.0	24.0
279	0.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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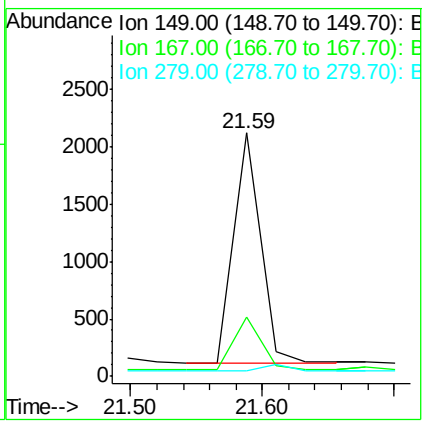
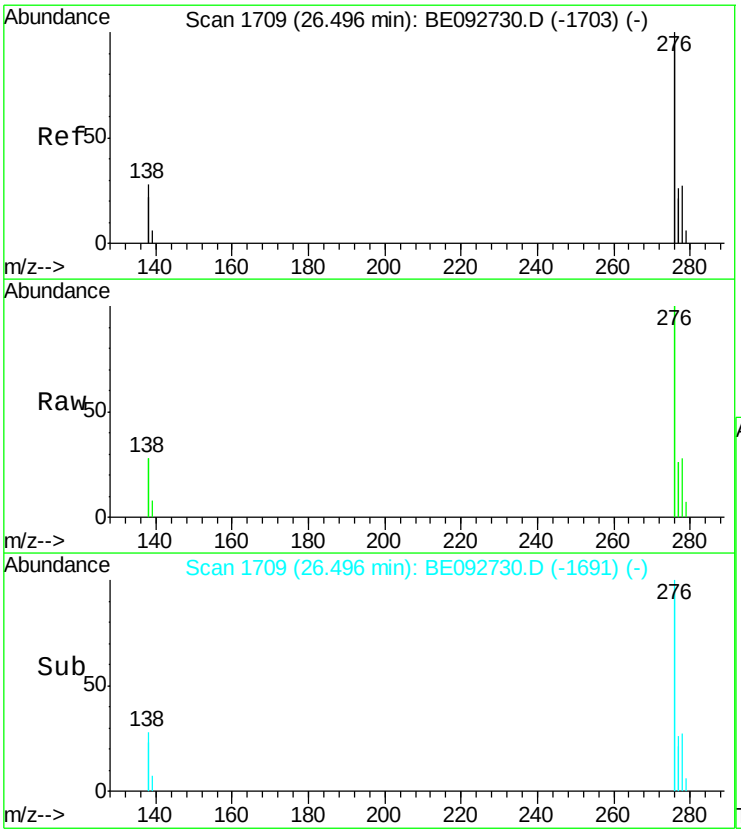
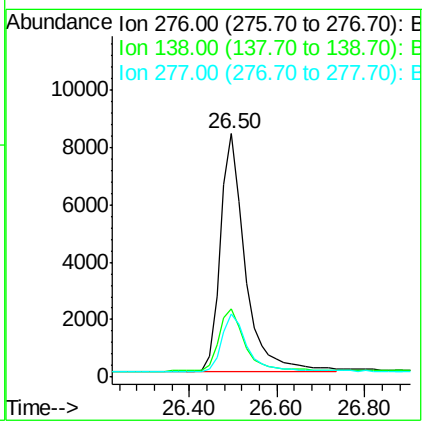


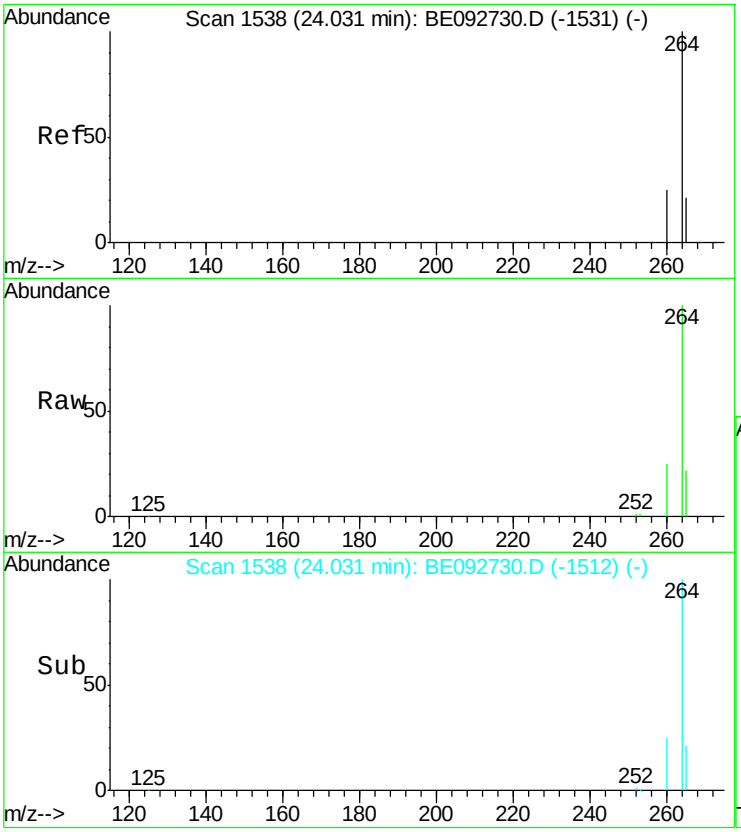


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng
RT: 26.50 min Scan# 1709
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:276 Resp: 32748

Ion	Ratio	Lower	Upper
276	100		
138	27.9	20.3	30.5
277	24.6	19.7	29.5

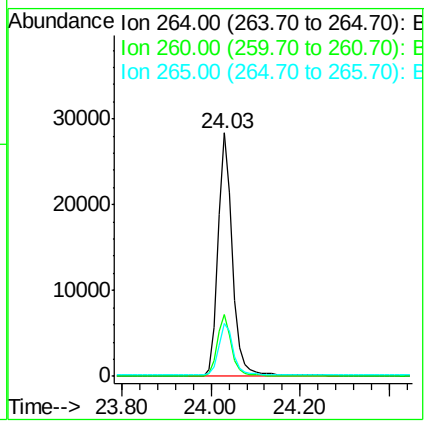




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.03 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:264 Resp: 63744

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	21.5	17.9	26.9



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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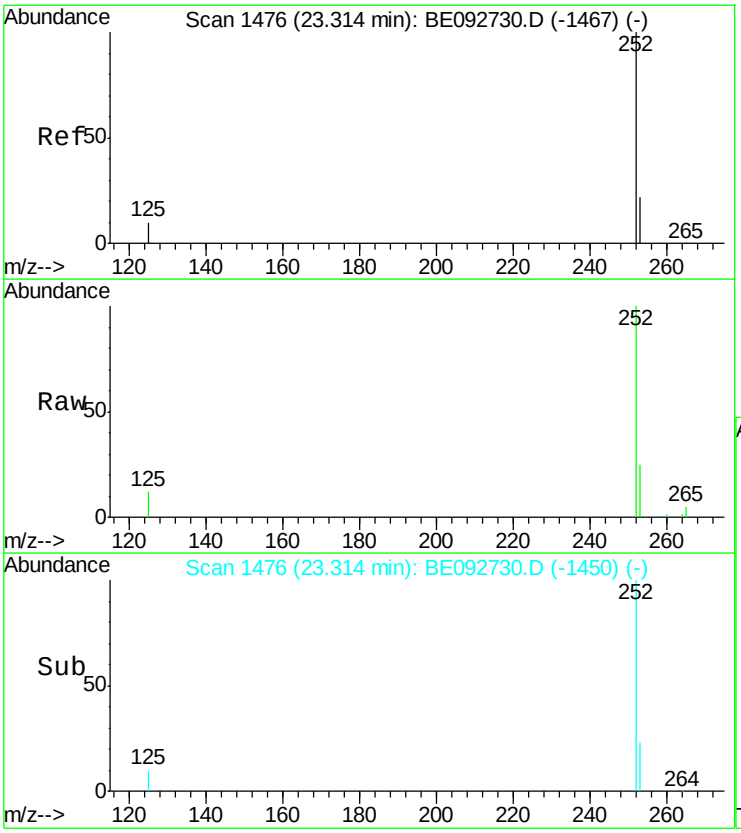
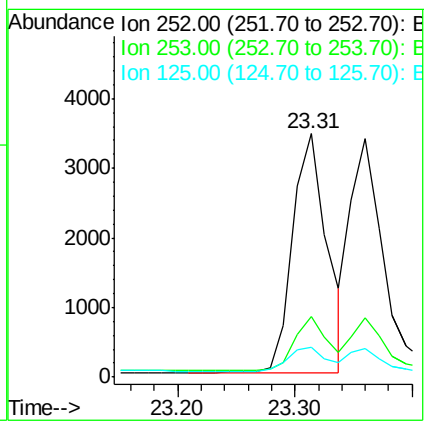
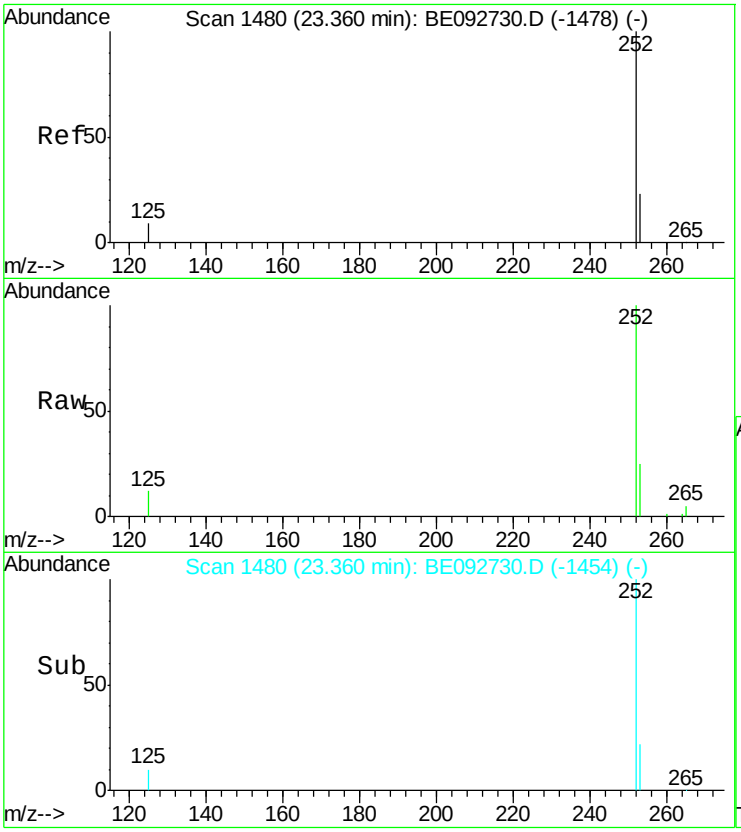


#32
Benzo(b)fluoranthene
Concen: 0.45 ng
RT: 23.31 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:252 Resp: 6988

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.7	28.1
125	12.1	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.45 ng
RT: 23.36 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:252 Resp: 6951

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.3	30.5
125	12.0	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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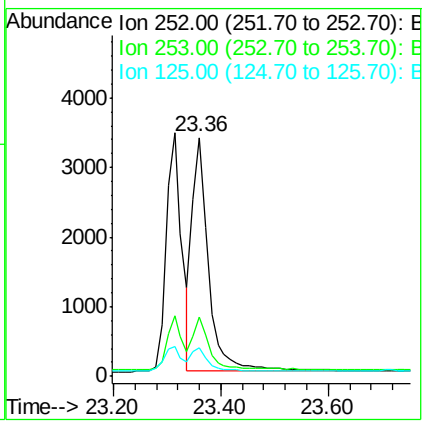
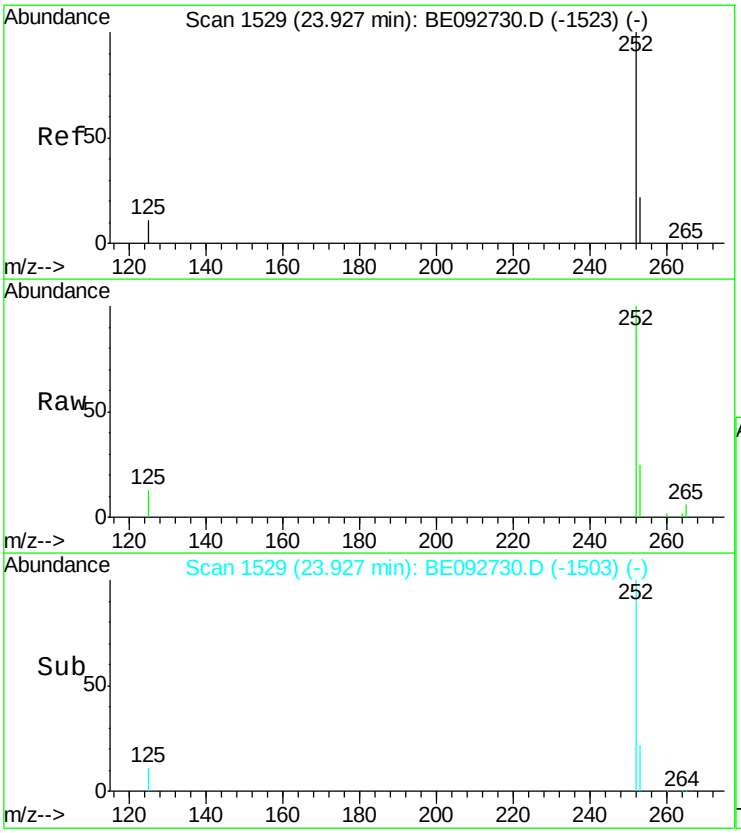
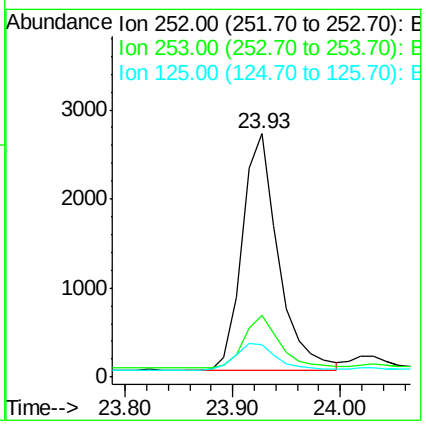


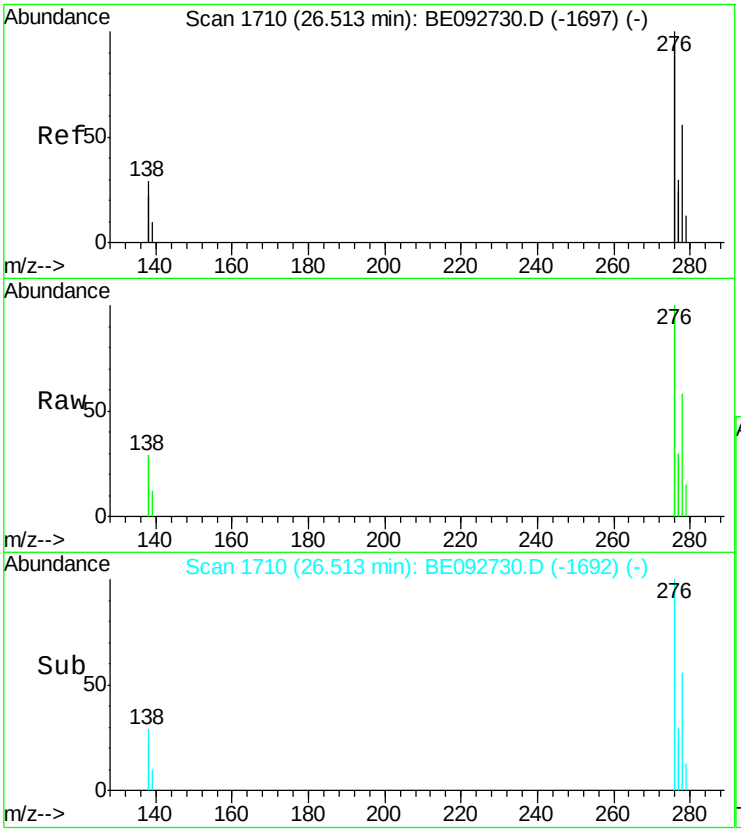


#34
Benzo(a)pyrene
Concen: 0.43 ng
RT: 23.93 min Scan# 1529
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:252 Resp: 6170

Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.0	28.6
125	13.4	11.8	17.8





#35
Dibenzo(a,h)anthracene
Concen: 0.48 ng
RT: 26.51 min Scan# 1710
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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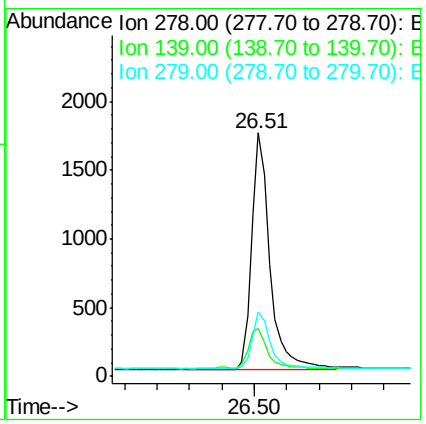
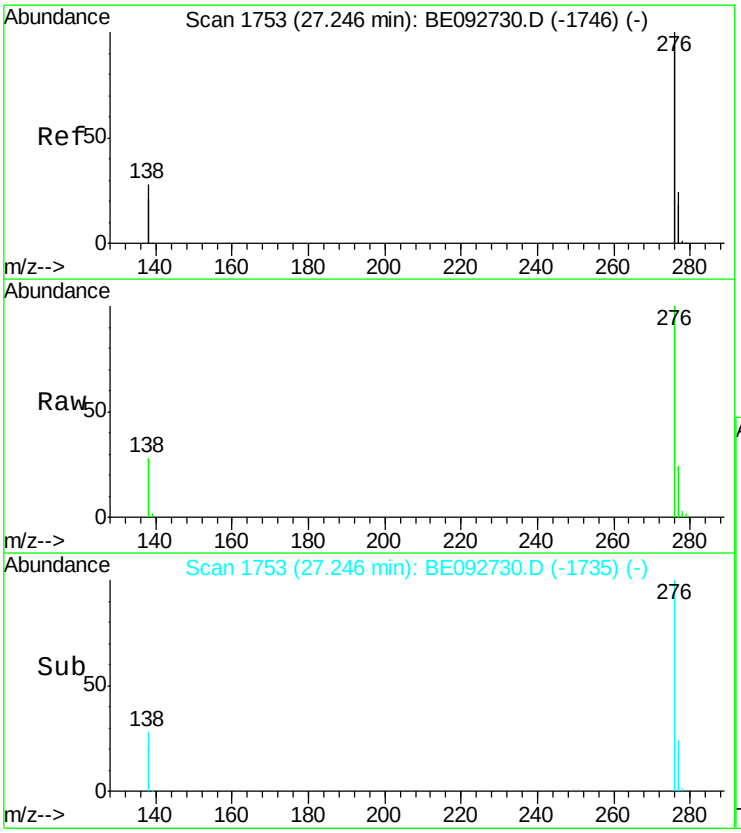
2/16/2017 11:44:31 AM

Tgt Ion:278 Resp: 6796

Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.8	20.8
279	26.5	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.48 ng
RT: 27.25 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BE092730.D
Acq: 15 Feb 2017 13:02

Tgt Ion:276 Resp: 28944

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.8
138	27.6	19.8	29.6