Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091216\
Data File : BE092378.D
Acq On : 12 Sep 2016 19:38
Operator : UM/SJ
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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Quant Time: Sep 13 05:32:55 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	10663	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	52577	5.00	ng		0.00
12) Acenaphthene-d10	14.81	164	31920	5.00	ng		0.00
18) Phenanthrene-d10	17.56	188	69920	5.00	ng		0.00
24) Chrysene-d12	21.72	240	79340	5.00	ng		-0.02
31) Perylene-d12	24.09	264	78957	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.68	112	1212	0.48	ng		-0.01
5) Phenol-d6	7.33	99	1776	0.52	ng		-0.02
8) Nitrobenzene-d5	9.34	82	1862	0.49	ng		-0.02
13) 2,4,6-Tribromophenol	16.31	330	526	0.53	ng		-0.01
14) 2-Fluorobiphenyl	13.43	172	3835	0.39	ng		-0.01
26) Terphenyl-d14	20.17	244	6253	0.53	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	542	0.33	ng	#	93
3) n-Nitrosodimethylamine	3.77	42	719	0.49	ng		93
6) bis(2-Chloroethyl)ether	7.59	93	1288	0.46	ng		92
9) Naphthalene	10.99	128	4732	0.40	ng		97
10) Hexachlorobutadiene	11.28	225	754	0.41	ng		99
11) 2-Methylnaphthalene	12.62	142	3146	0.41	ng		92
15) Acenaphthylene	14.53	152	22926	0.42	ng		100
16) Acenaphthene	14.87	154	3625	0.41	ng		98
17) Fluorene	15.86	166	4504	0.40	ng		99
19) Hexachlorobenzene	16.89	284	1324	0.40	ng	#	39
20) Pentachlorophenol	17.23	266	641	0.86	ng		90
21) Phenanthrene	17.60	178	9025	0.46	ng	#	95
22) Anthracene	17.69	178	8243	0.47	ng		99
23) Fluoranthene	19.59	202	53266	0.62	ng		99
25) Pyrene	19.95	202	61160	0.79	ng		98
27) Benzo(a)anthracene	21.70	228	78812m	0.92	ng		
28) Chrysene	21.77	228	68015m	0.76	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	48873	Below Cal		#	65
30) Indeno(1,2,3-cd)pyrene	26.56	276	38095	0.42	ng		97
32) Benzo(b)fluoranthene	23.36	252	15260	0.75	ng	#	94
33) Benzo(k)fluoranthene	23.41	252	12700	0.59	ng	#	95
34) Benzo(a)pyrene	23.98	252	11268	0.56	ng	#	90
35) Dibenzo(a,h)anthracene	26.60	278	7771	0.42	ng	#	87
36) Benzo(g,h,i)perylene	27.33	276	32064	0.41	ng	#	90

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091216\
Data File : BE092378.D
Acq On : 12 Sep 2016 19:38
Operator : UM/SJ
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 13 05:32:55 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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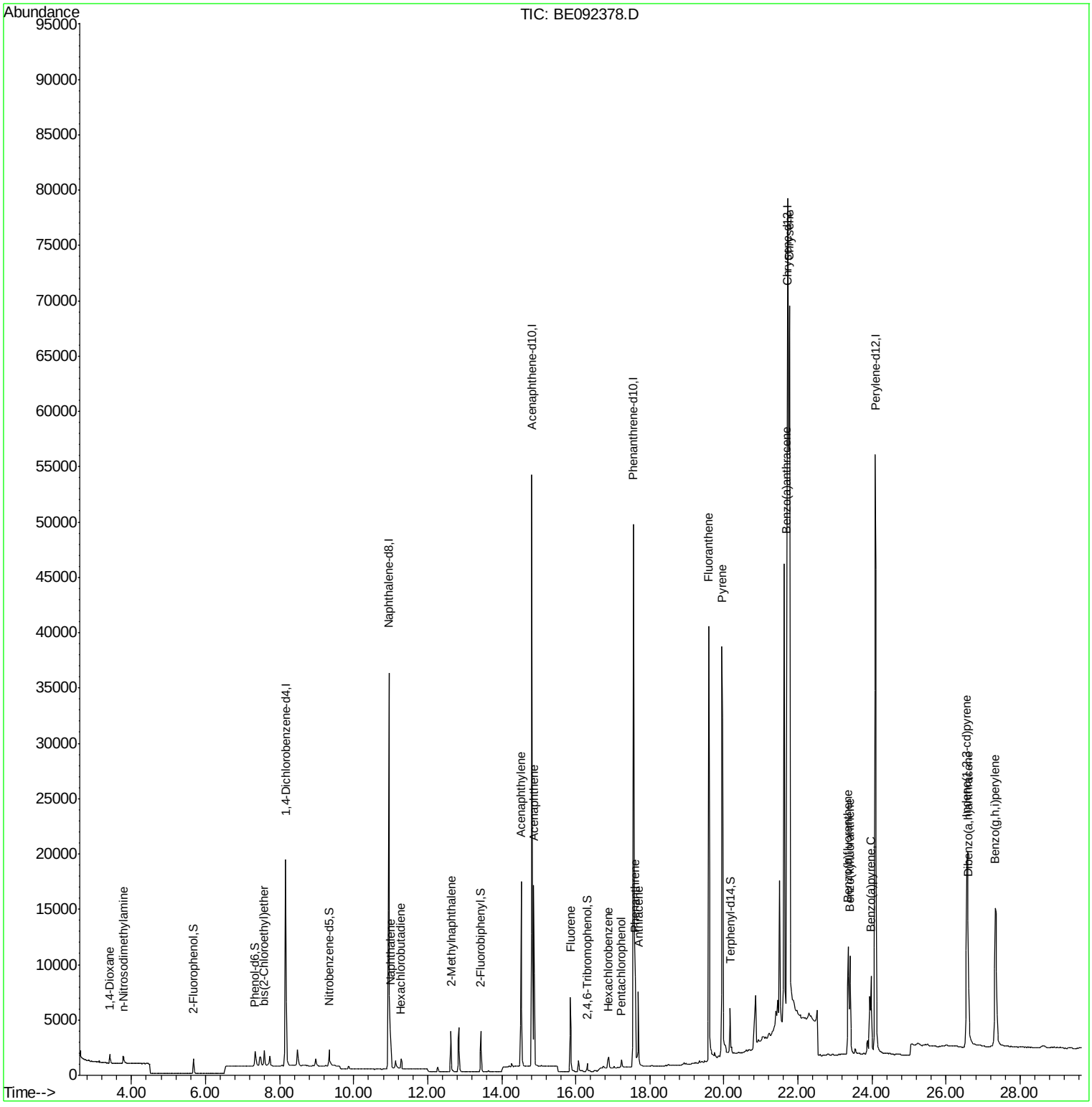
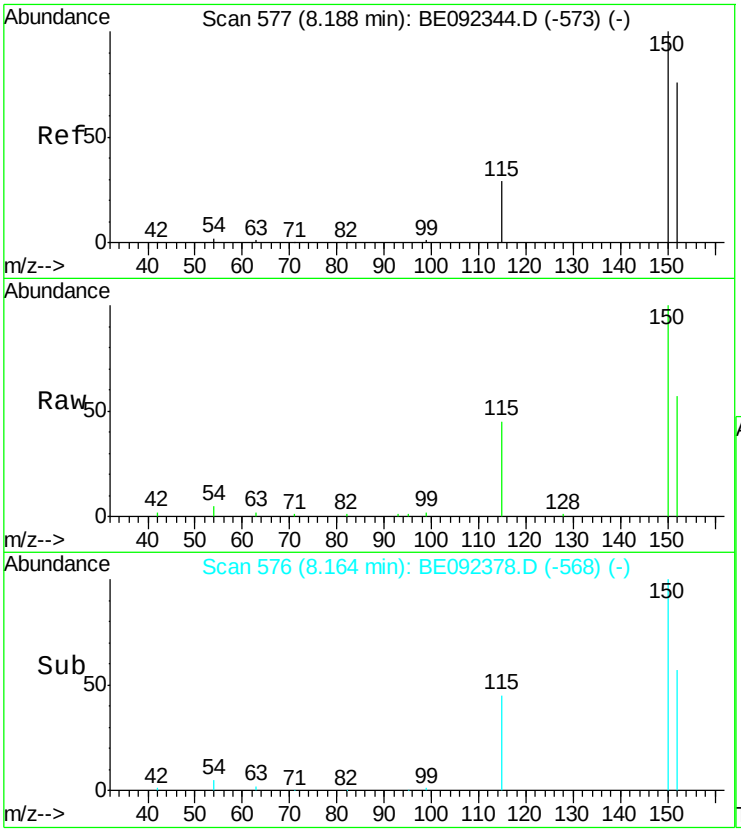
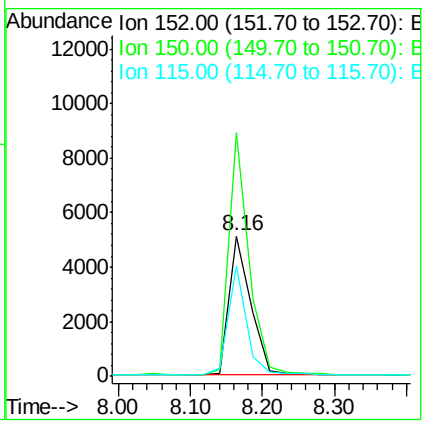




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:152 Resp: 10663

Ion	Ratio	Lower	Upper
152	100		
150	173.9	106.0	159.0#
115	78.5	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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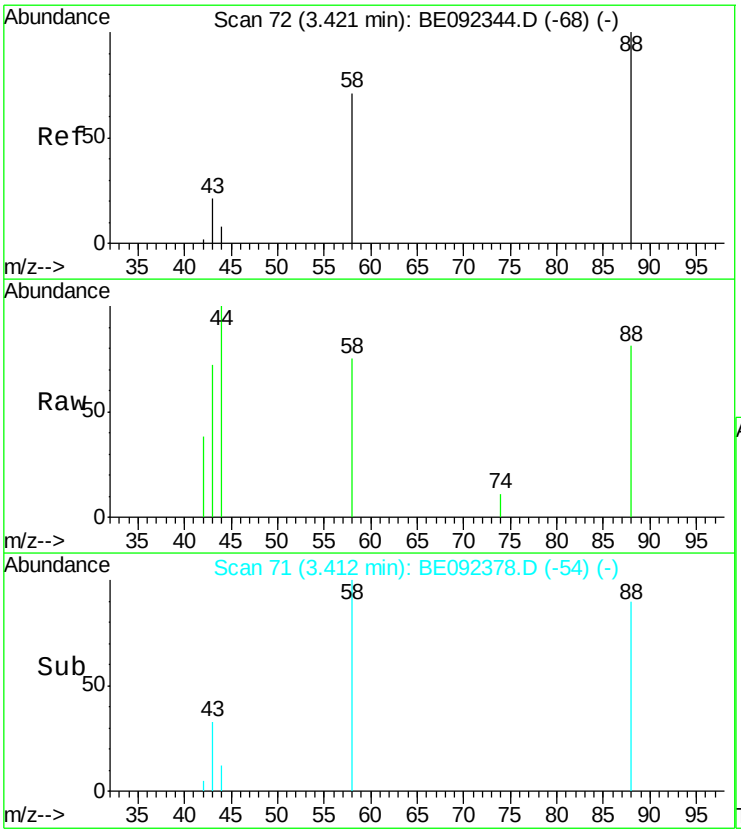
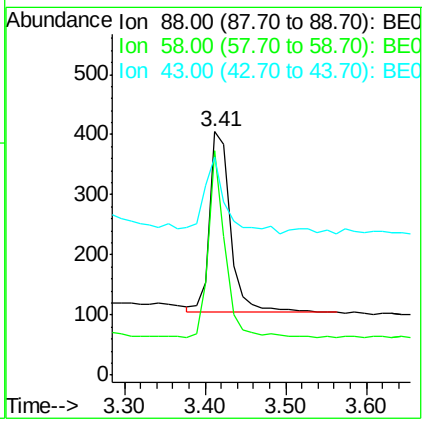
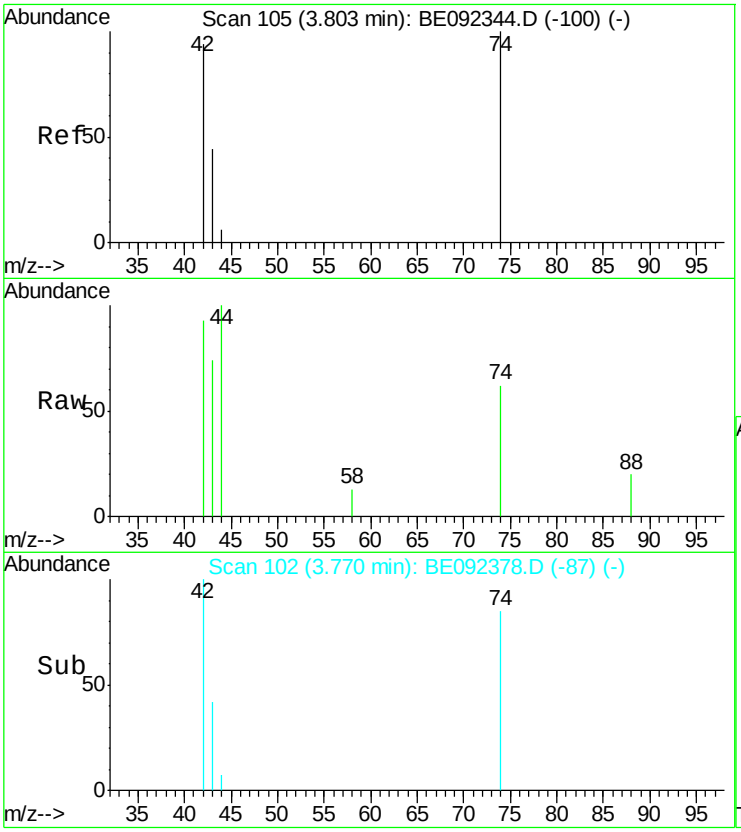


#2
1,4-Dioxane
Concen: 0.33 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion: 88 Resp: 542

Ion	Ratio	Lower	Upper
88	100		
58	82.8	63.6	95.4
43	43.7	28.0	42.0#

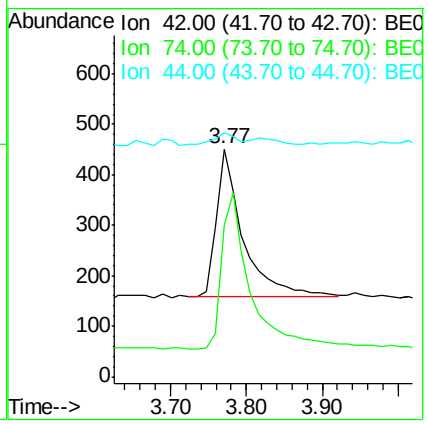




#3
n-Nitrosodimethylamine
Concen: 0.49 ng
RT: 3.77 min Scan# 102
Delta R.T. -0.03 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion: 42 Resp: 719

Ion	Ratio	Lower	Upper
42	100		
74	115.2	86.0	129.0
44	5.8	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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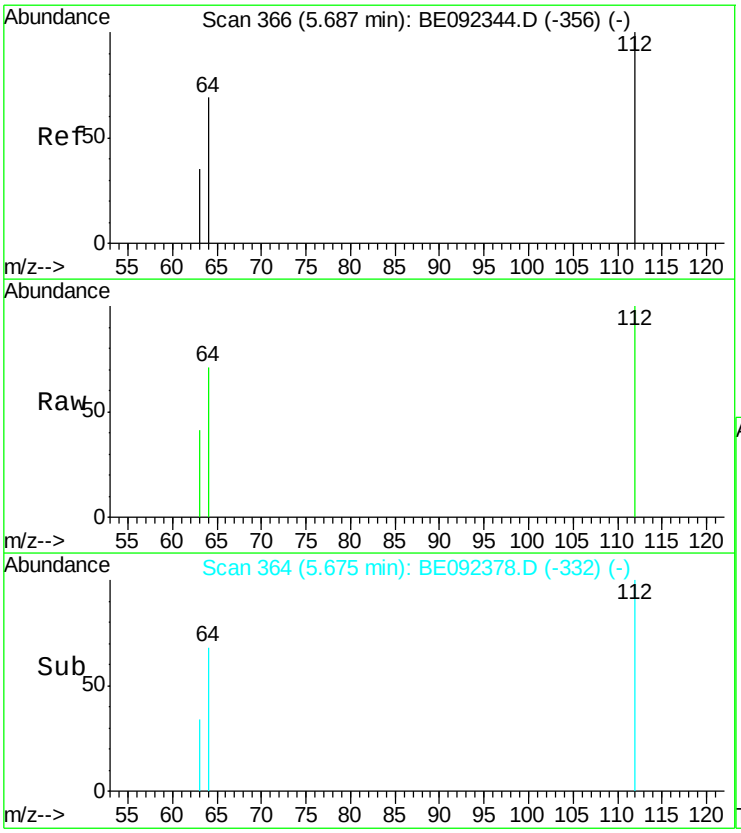
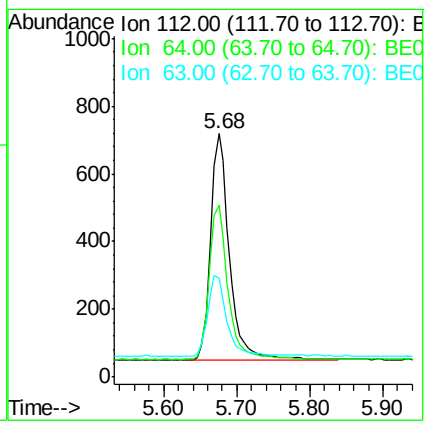
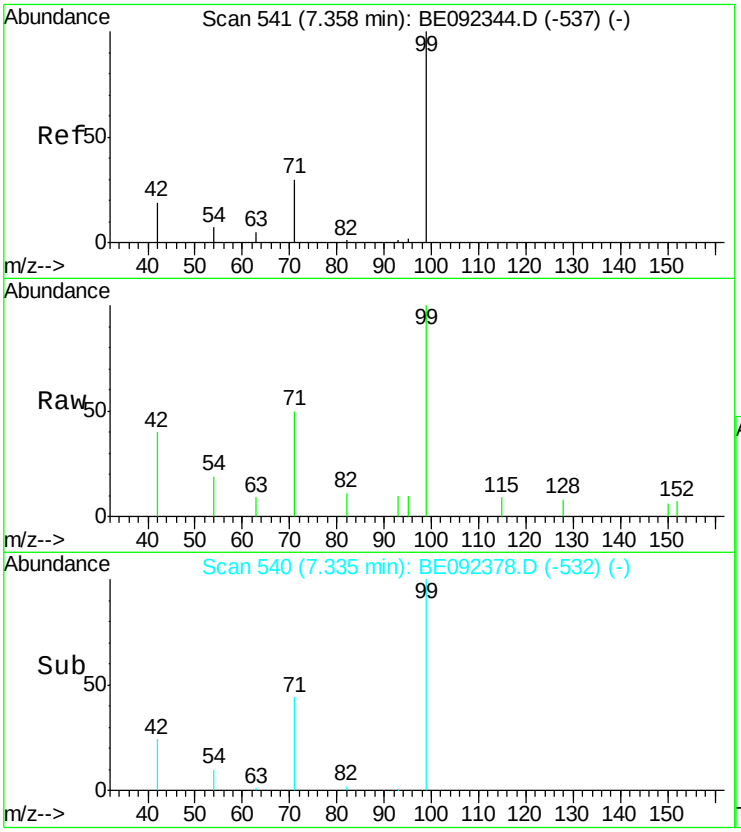


#4
2-Fluorophenol
Concen: 0.48 ng
RT: 5.68 min Scan# 364
Delta R.T. -0.01 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:112 Resp: 1212

Ion	Ratio	Lower	Upper
112	100		
64	68.0	53.5	80.3
63	35.5	27.9	41.9

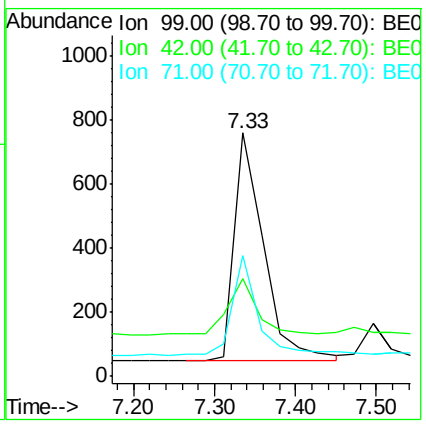




#5
Phenol-d6
Concen: 0.52 ng
RT: 7.33 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion: 99 Resp: 1776

Ion	Ratio	Lower	Upper
99	100		
42	24.4	16.0	24.0#
71	36.7	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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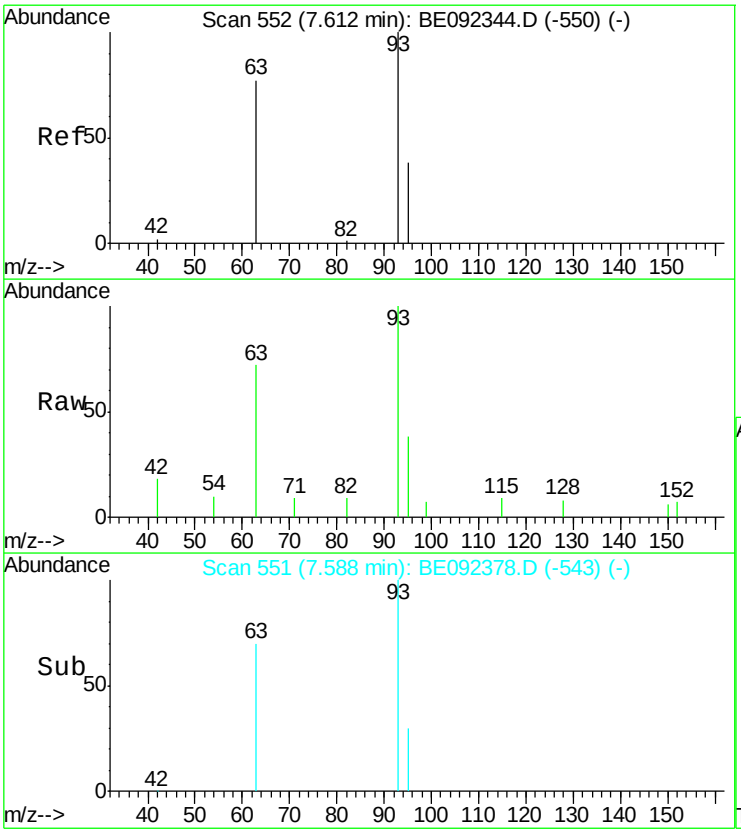
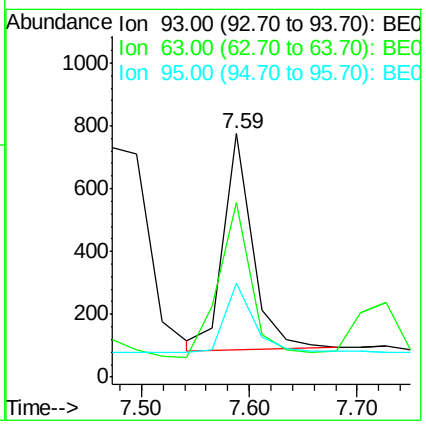
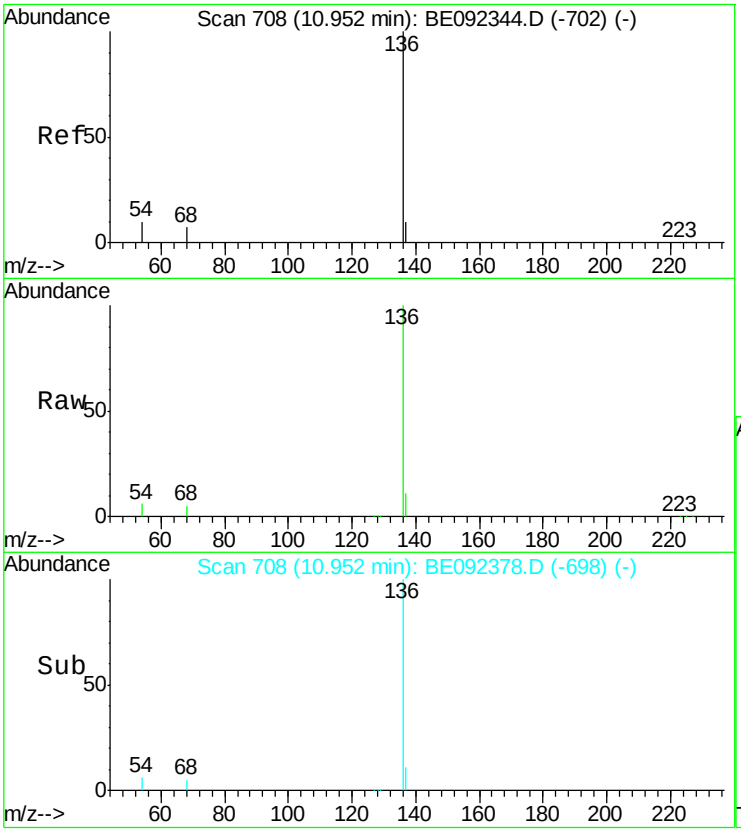


#6
bis(2-Chloroethyl)ether
Concen: 0.46 ng
RT: 7.59 min Scan# 551
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion: 93 Resp: 1288

Ion	Ratio	Lower	Upper
93	100		
63	79.8	71.6	107.4
95	31.4	24.0	36.0

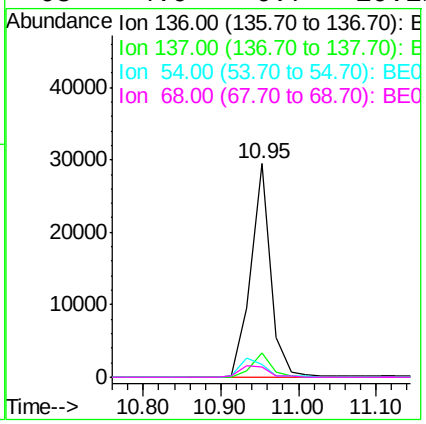




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:136 Resp: 52577

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.4
54	6.2	9.6	14.4#
68	4.9	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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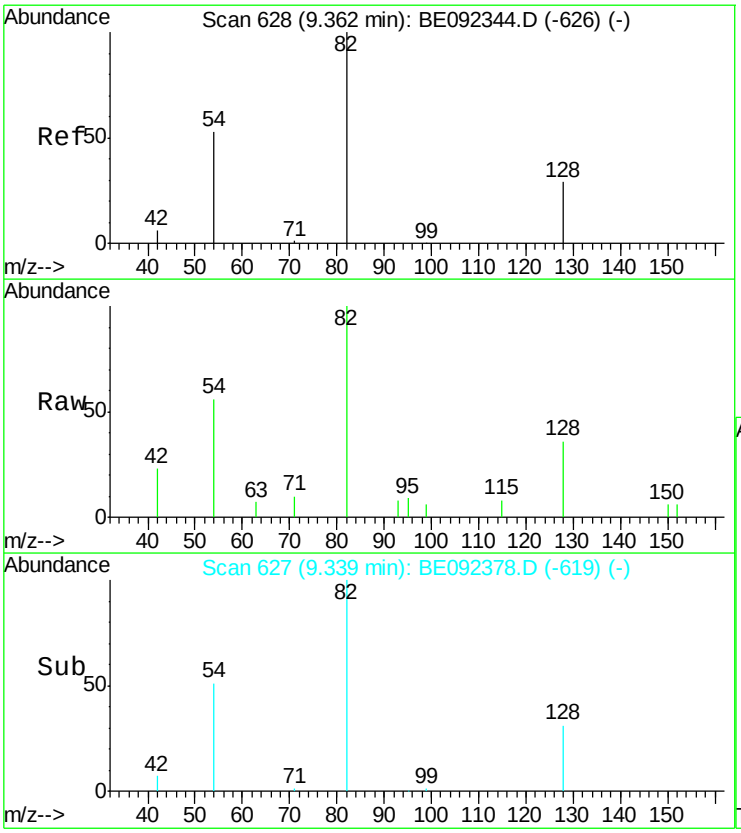
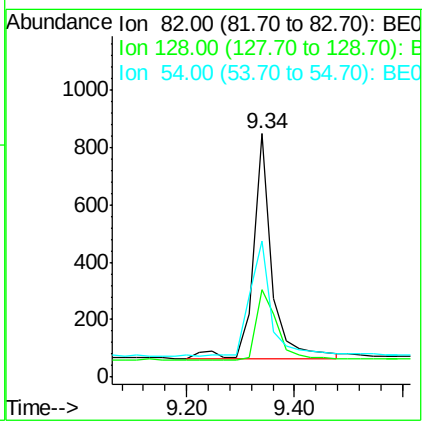
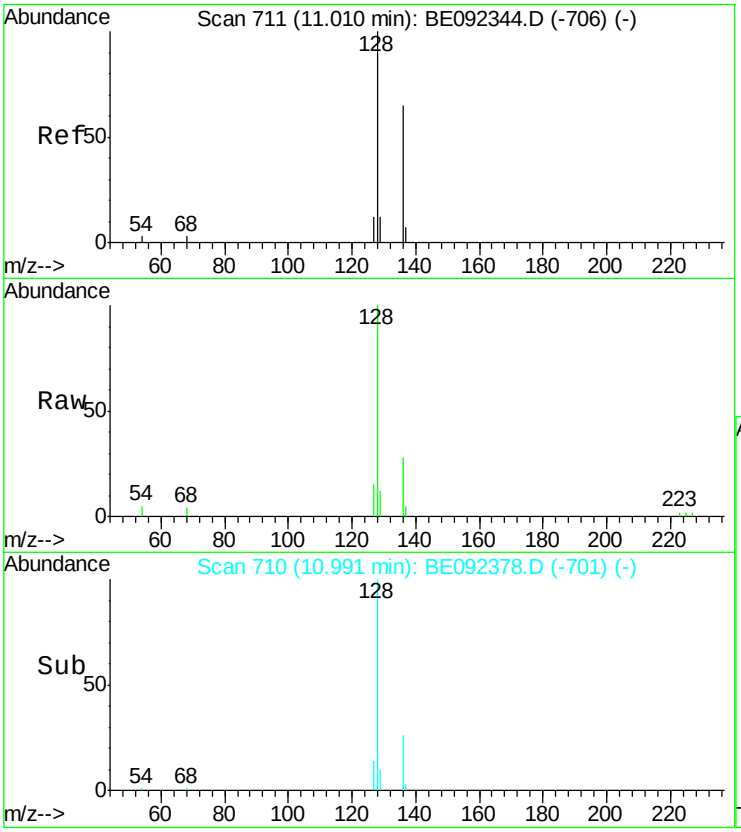


#8
Nitrobenzene-d5
Concen: 0.49 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion: 82 Resp: 1862

Ion	Ratio	Lower	Upper
82	100		
128	36.1	39.0	58.4#
54	56.0	44.8	67.2

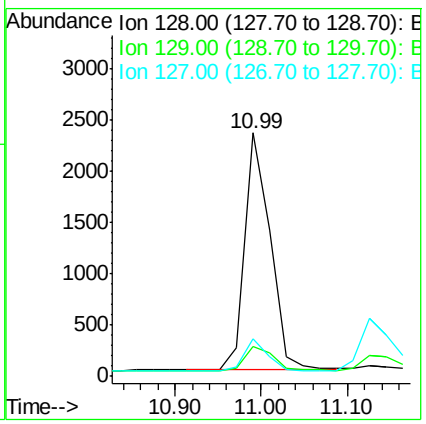




#9
Naphthalene
Concen: 0.40 ng
RT: 10.99 min Scan# 710
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:128 Resp: 4732

Ion	Ratio	Lower	Upper
128	100		
129	12.4	11.2	16.8
127	15.4	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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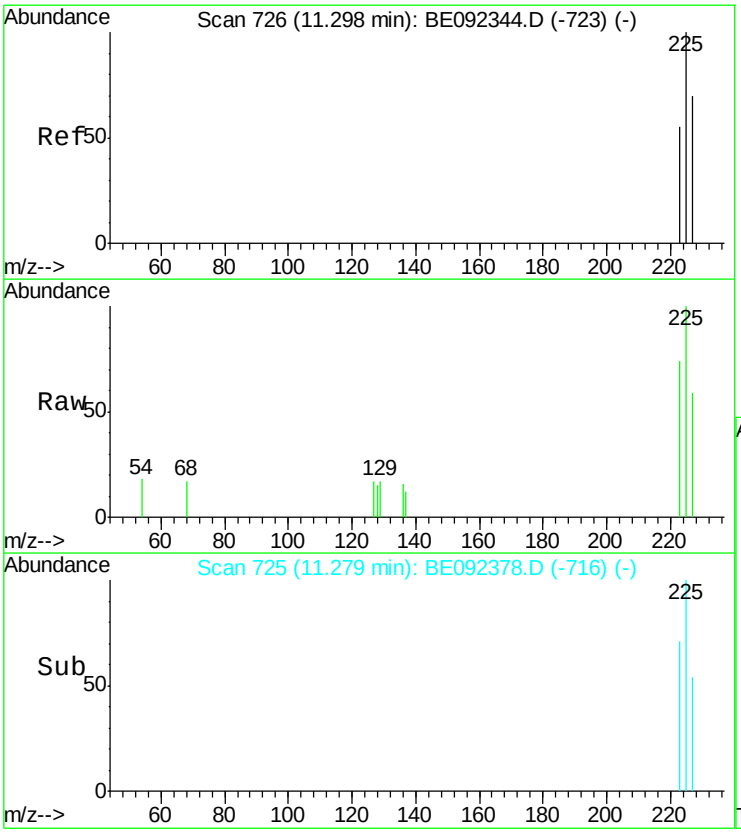
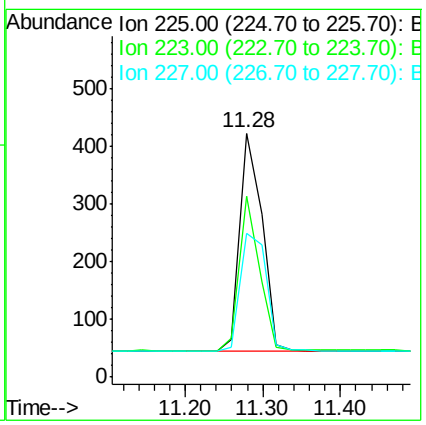
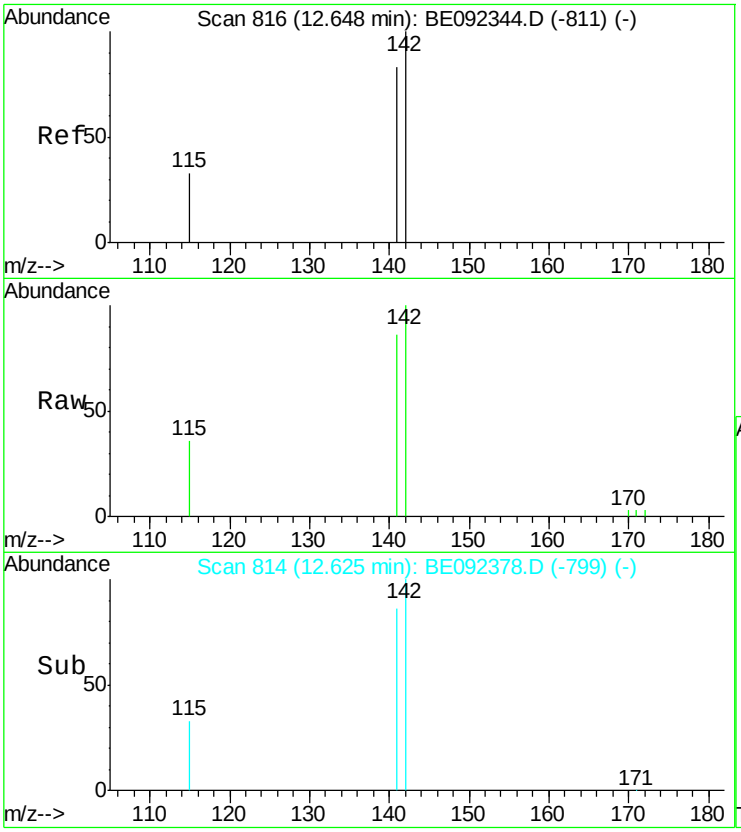


#10
Hexachlorobutadiene
Concen: 0.41 ng
RT: 11.28 min Scan# 725
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:225 Resp: 754

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	76.0
227	62.9	51.4	77.0

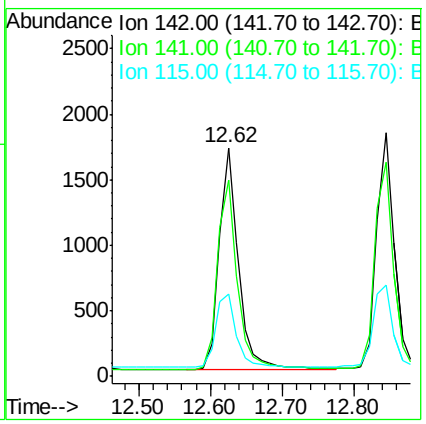




#11
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:142 Resp: 3146

Ion	Ratio	Lower	Upper
142	100		
141	86.1	73.7	110.5
115	36.0	34.0	51.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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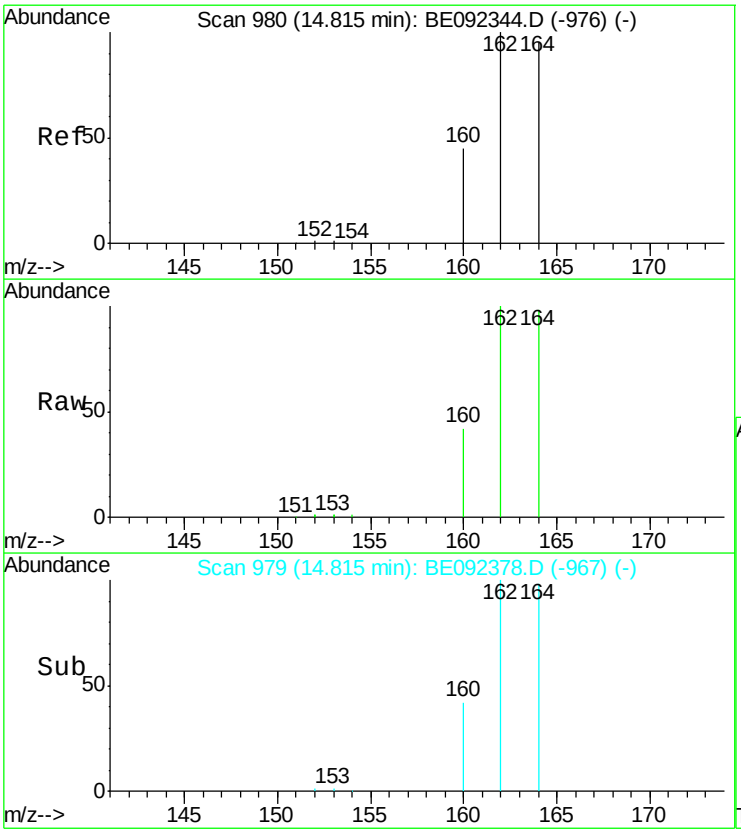
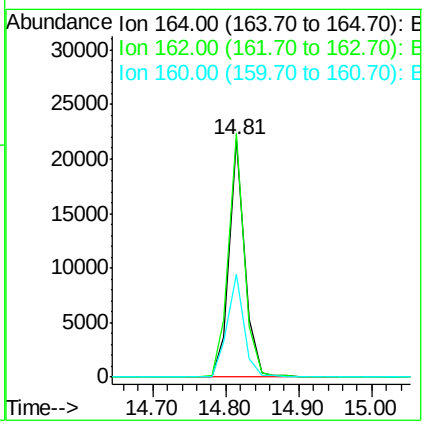
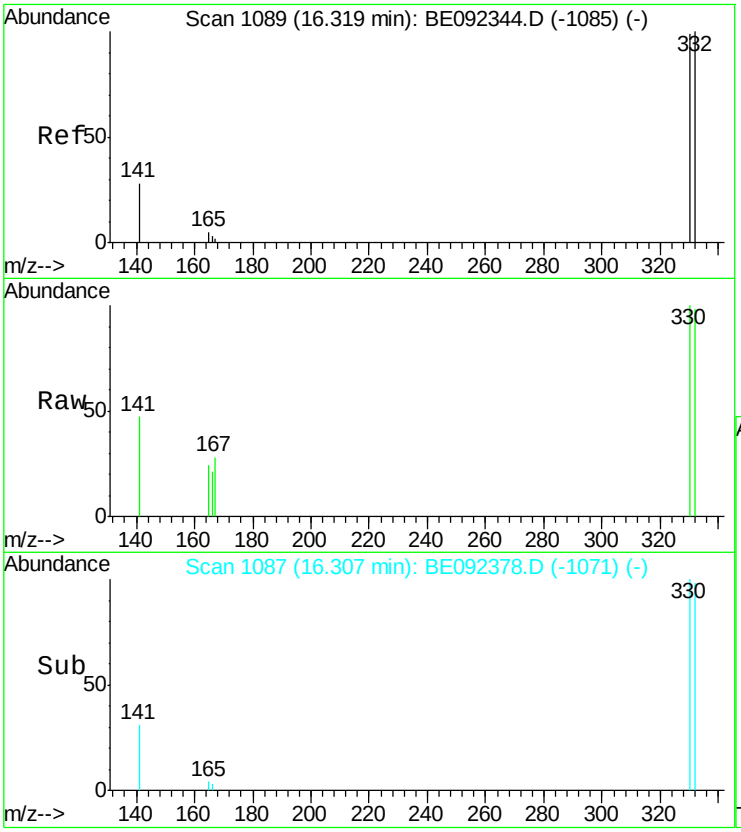


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:164 Resp: 31920

Ion	Ratio	Lower	Upper
164	100		
162	102.5	71.4	107.0
160	43.3	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.53 ng
RT: 16.31 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:330 Resp: 526

Ion	Ratio	Lower	Upper
330	100		
332	95.4	75.4	113.0
141	42.8	31.0	46.6

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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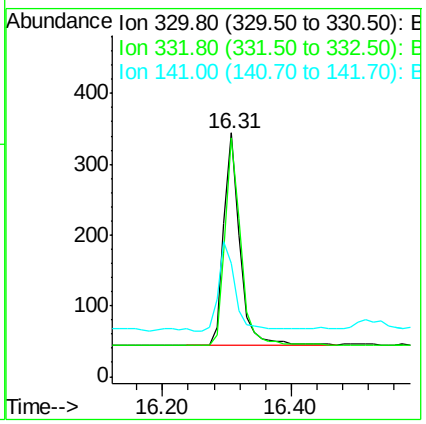
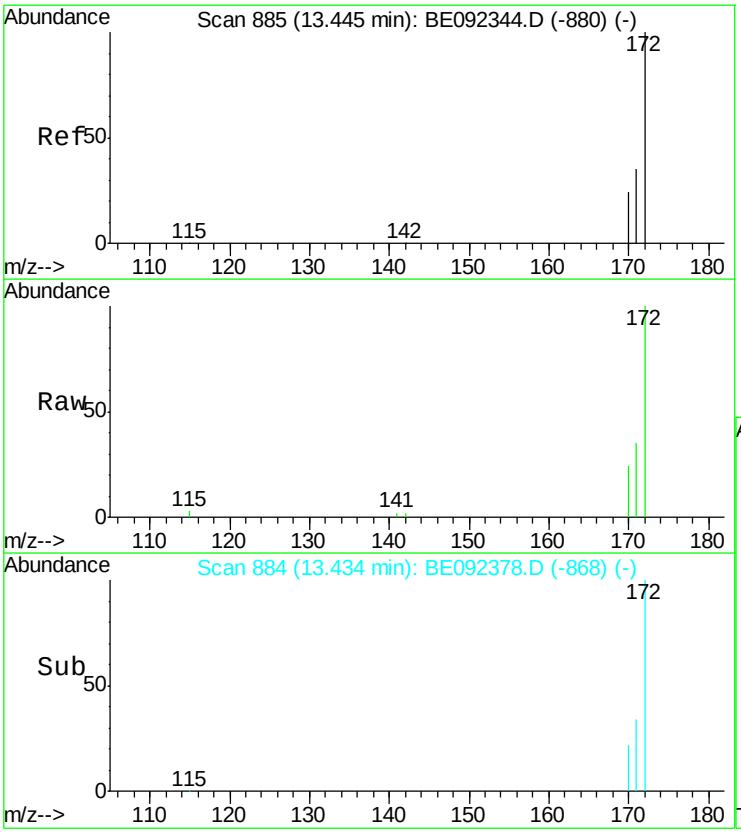
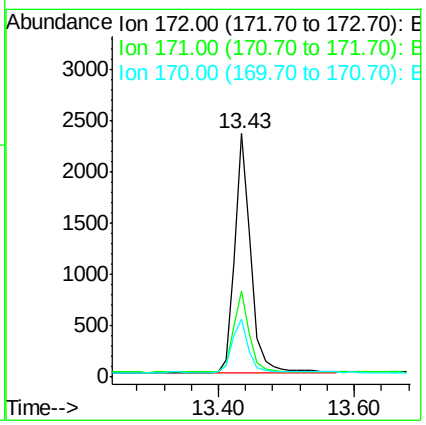


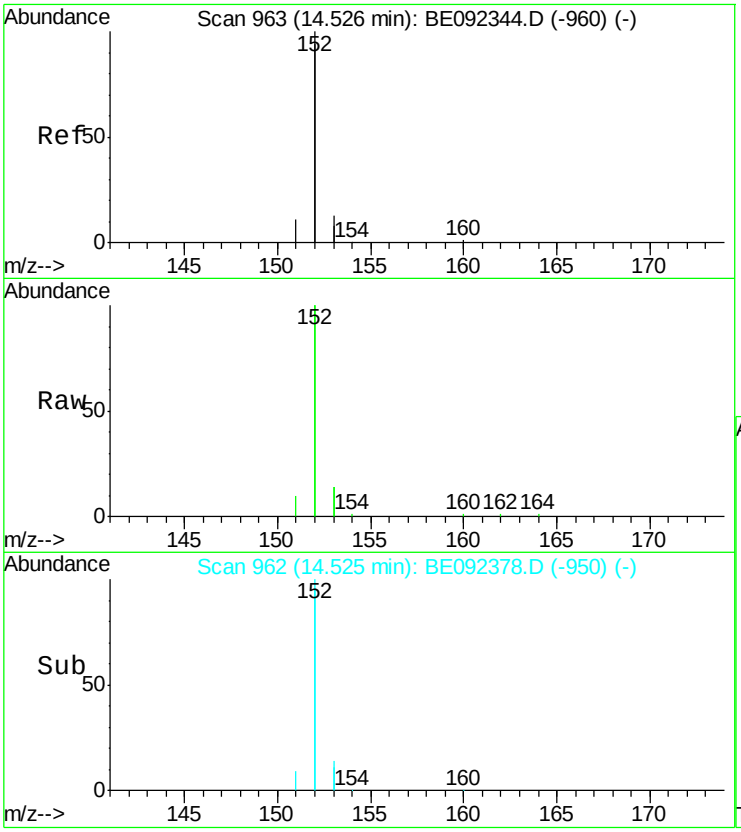


#14
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.43 min Scan# 884
Delta R.T. -0.01 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:172 Resp: 3835

Ion	Ratio	Lower	Upper
172	100		
171	35.2	30.1	45.1
170	23.9	21.8	32.6

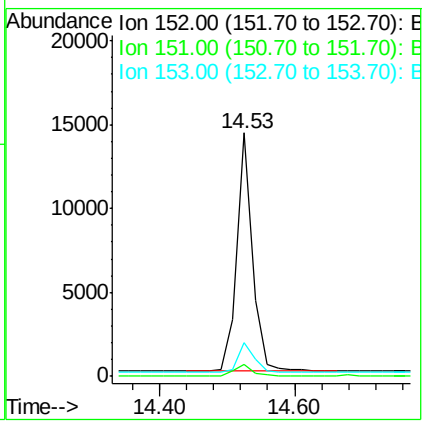




#15
Acenaphthylene
Concen: 0.42 ng
RT: 14.53 min Scan# 962
Delta R.T. -0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:152 Resp: 22926

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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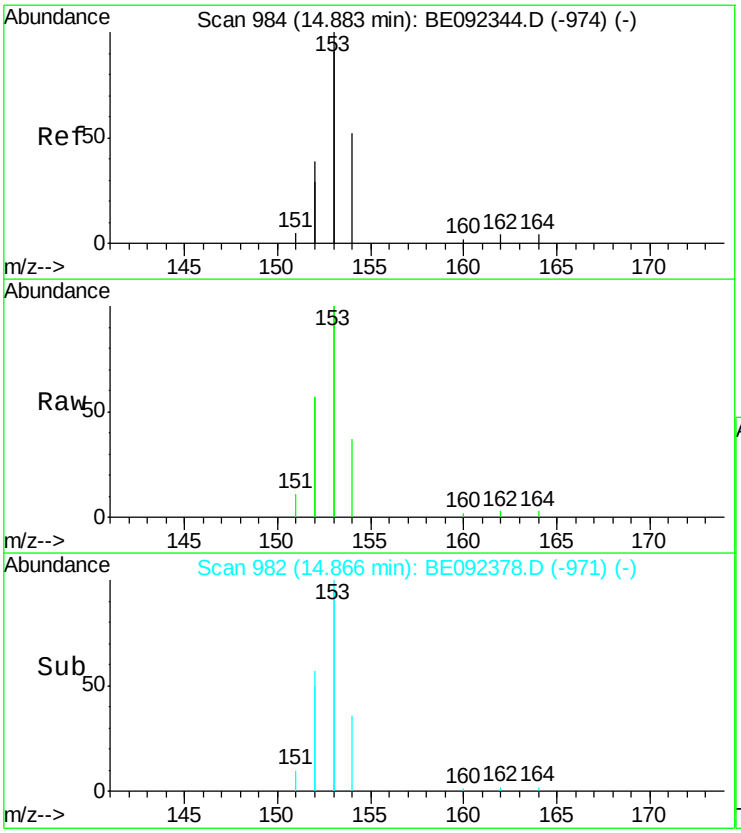
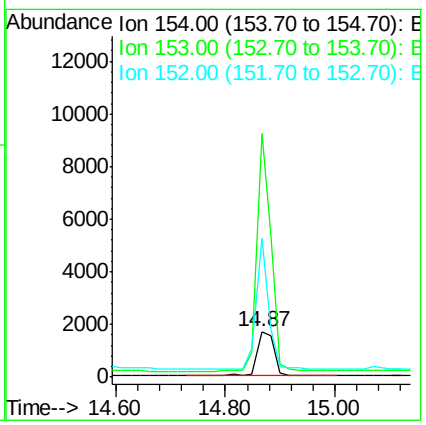
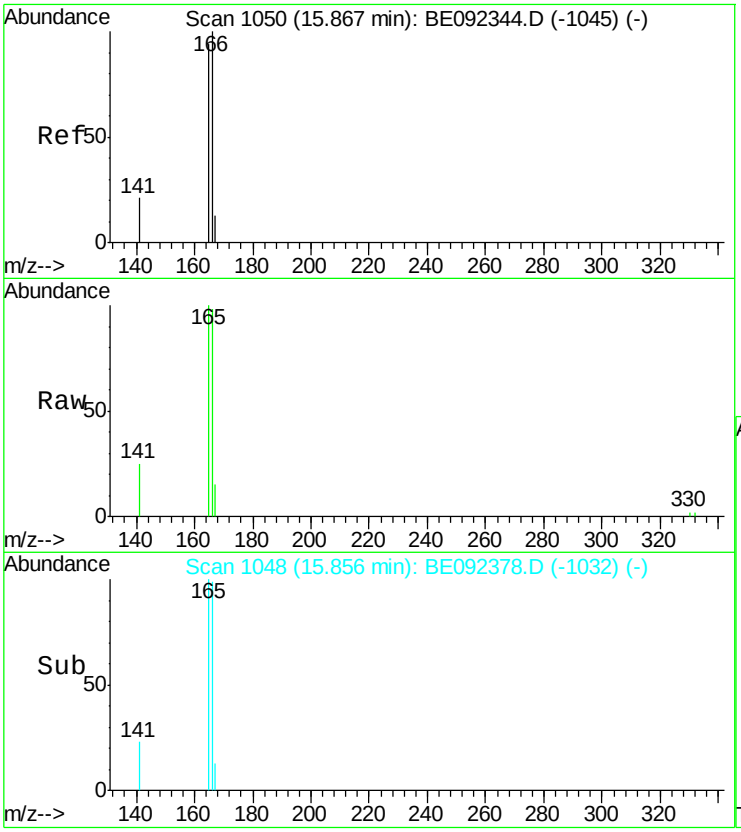


#16
Acenaphthene
Concen: 0.41 ng
RT: 14.87 min Scan# 982
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:154 Resp: 3625

Ion	Ratio	Lower	Upper
154	100		
153	433.8	350.8	526.2
152	209.7	171.1	256.7

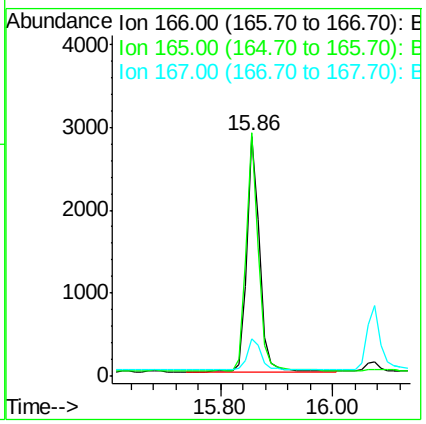




#17
Fluorene
Concen: 0.40 ng
RT: 15.86 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:166 Resp: 4504

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.6	11.0	16.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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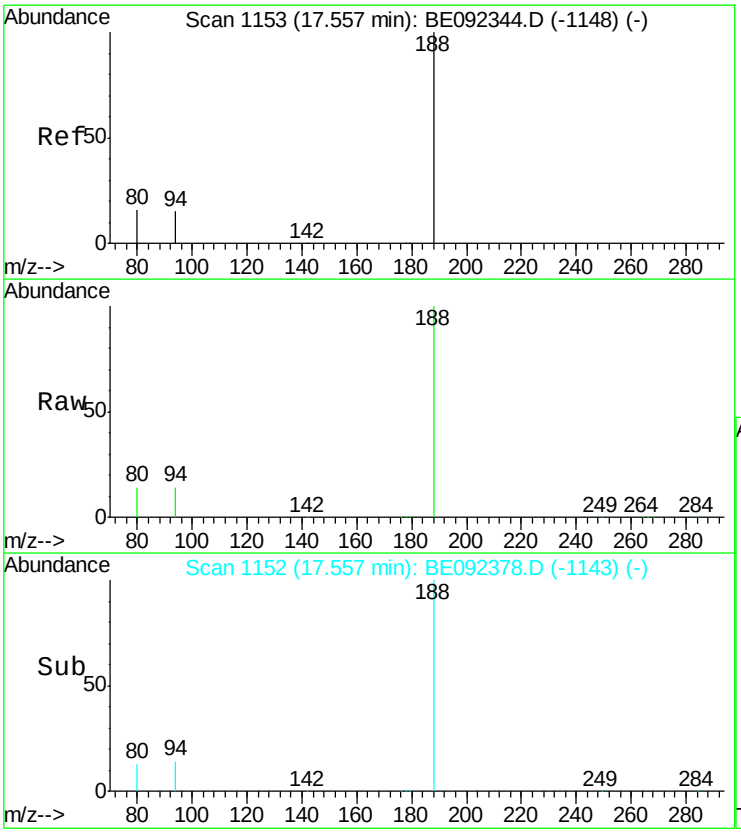
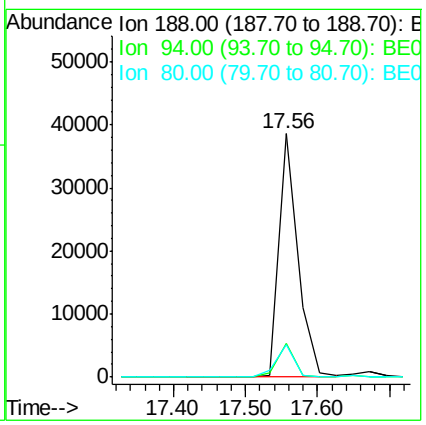
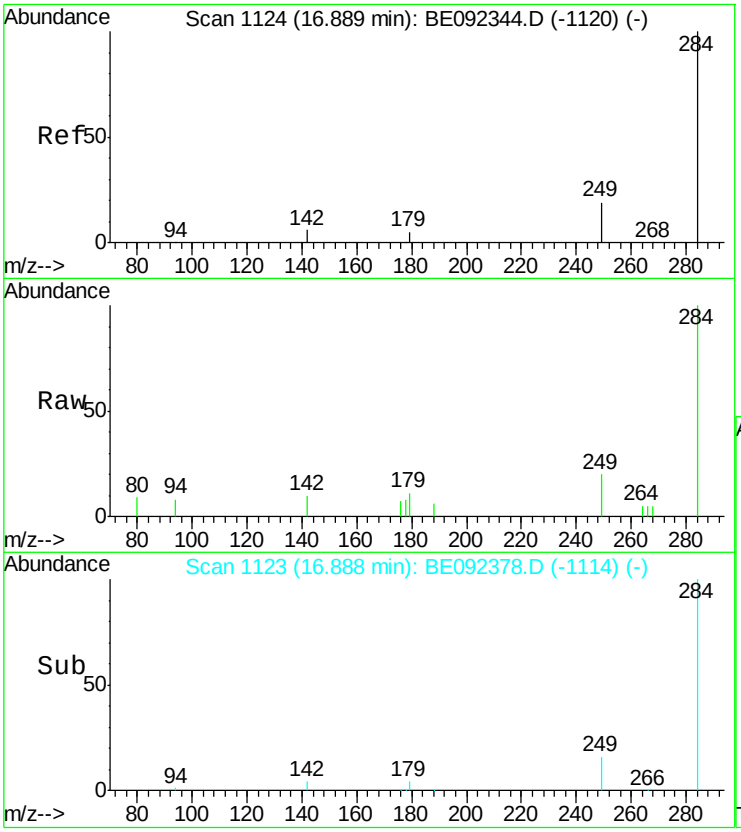


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:188 Resp: 69920

Ion	Ratio	Lower	Upper
188	100		
94	13.7	3.2	4.8#
80	13.5	2.6	3.8#





#19
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.89 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:284 Resp: 1324

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

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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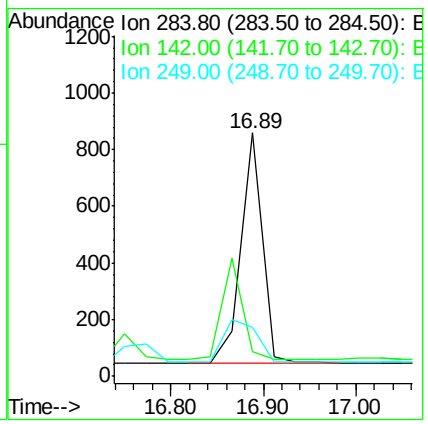
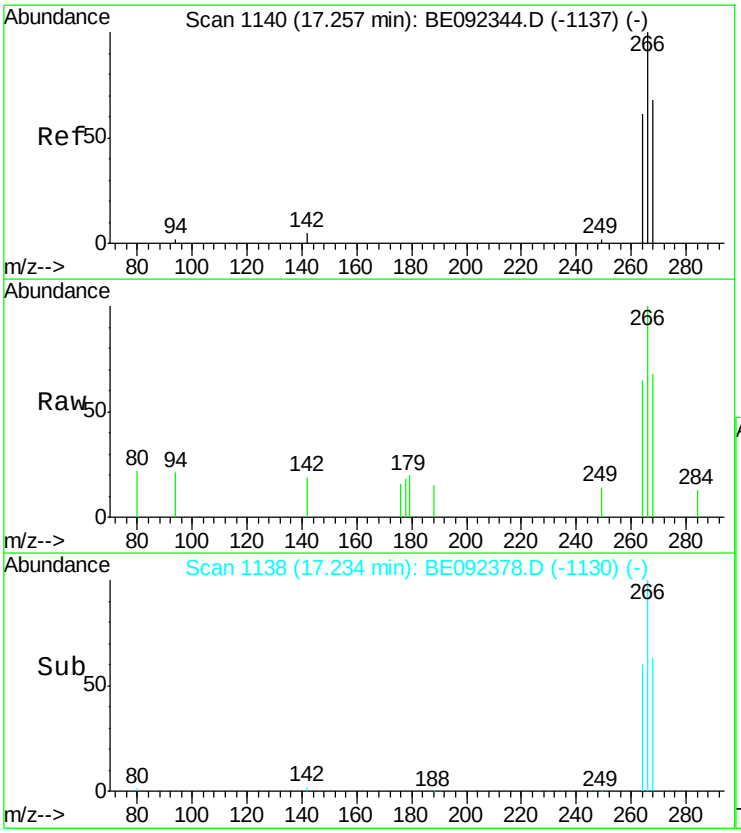
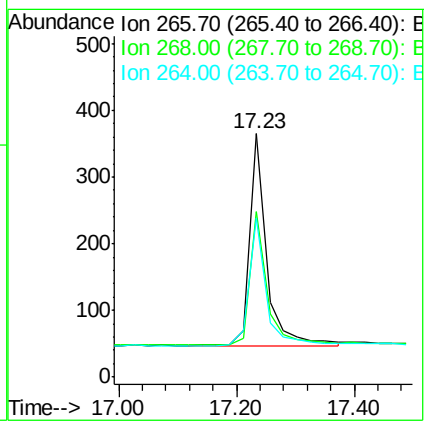


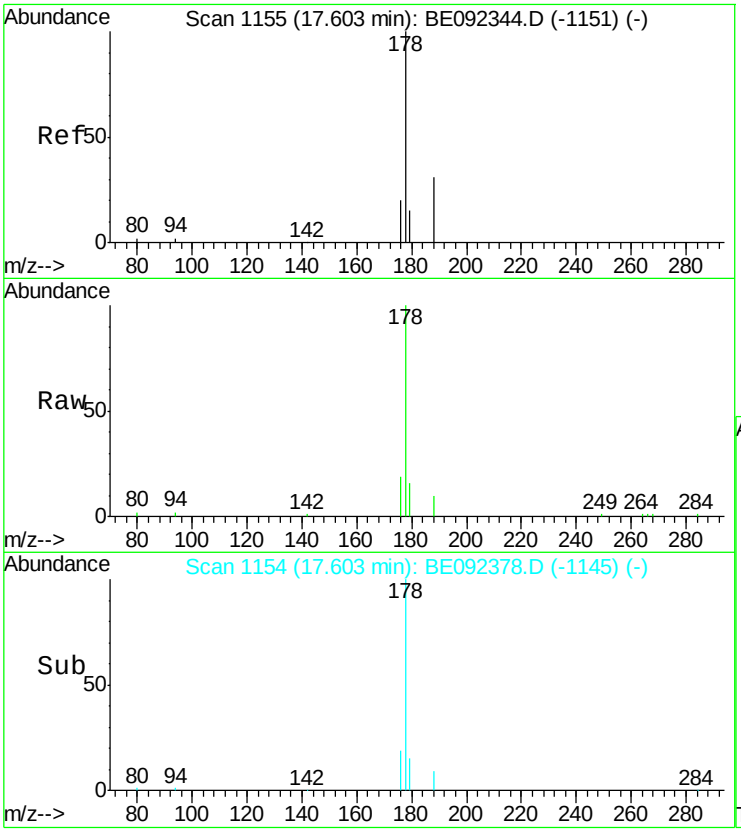


#20
Pentachlorophenol
Concen: 0.86 ng
RT: 17.23 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:266 Resp: 641

Ion	Ratio	Lower	Upper
266	100		
268	68.2	62.5	93.7
264	65.2	57.2	85.8

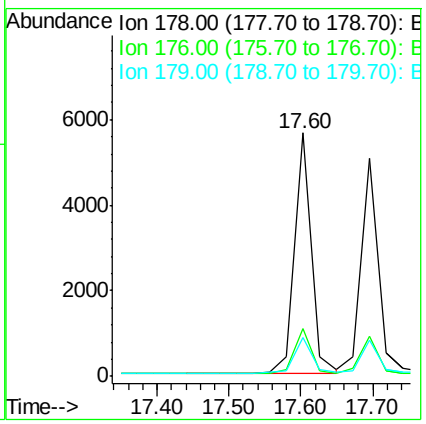




#21
Phenanthrene
Concen: 0.46 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:178 Resp: 9025

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.9	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
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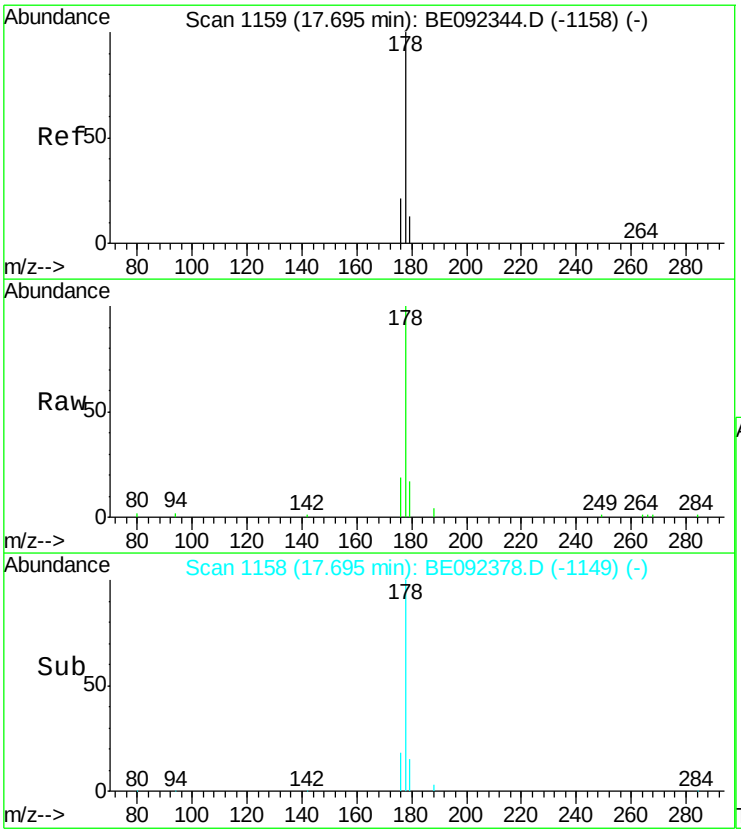
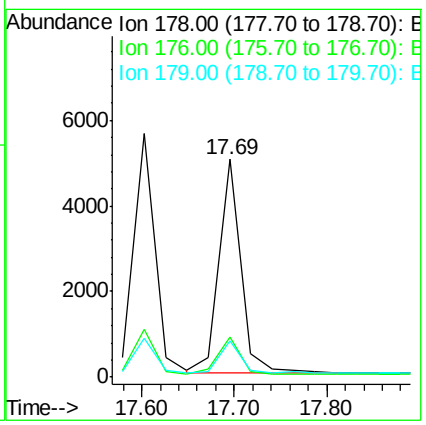
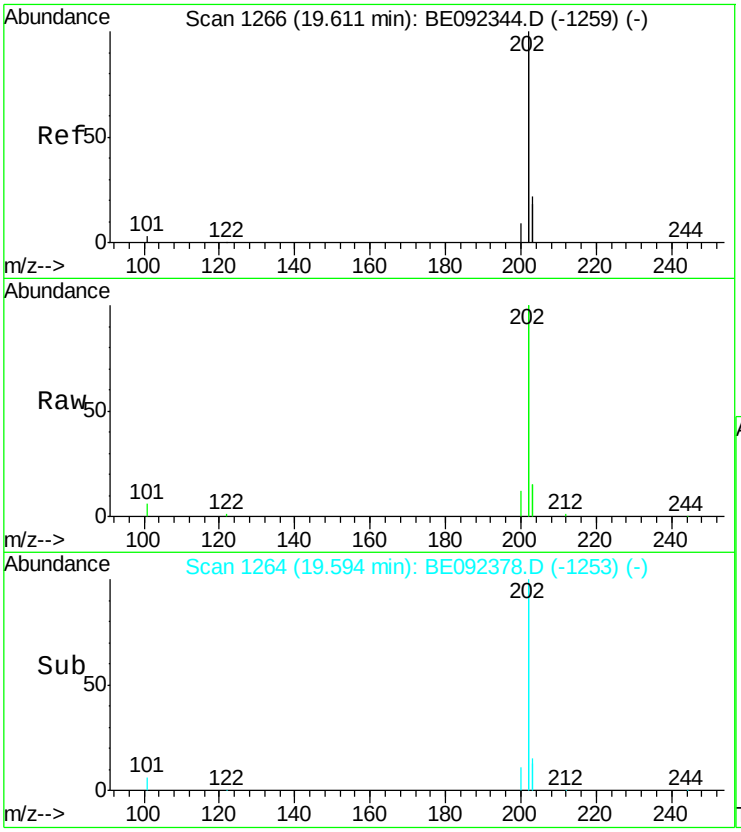


#22
Anthracene
Concen: 0.47 ng
RT: 17.69 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:178 Resp: 8243

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	15.4	12.2	18.2





#23
Fluoranthene
Concen: 0.62 ng
RT: 19.59 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:202 Resp: 53266

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.4	13.7	20.5

Instrument :
BNA_E
ClientSampleId :
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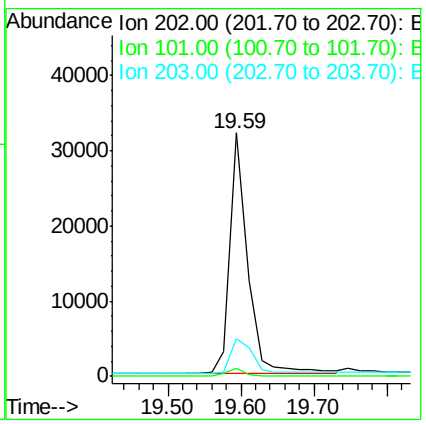
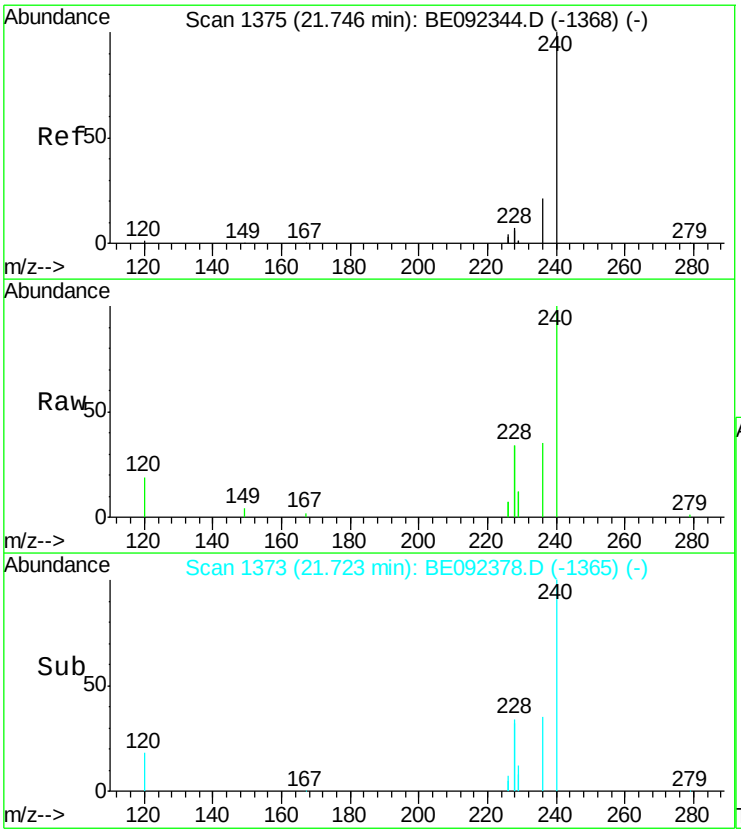
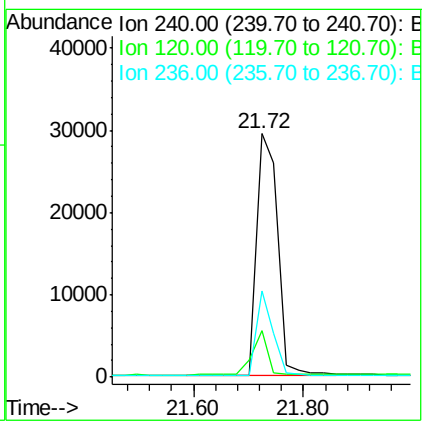


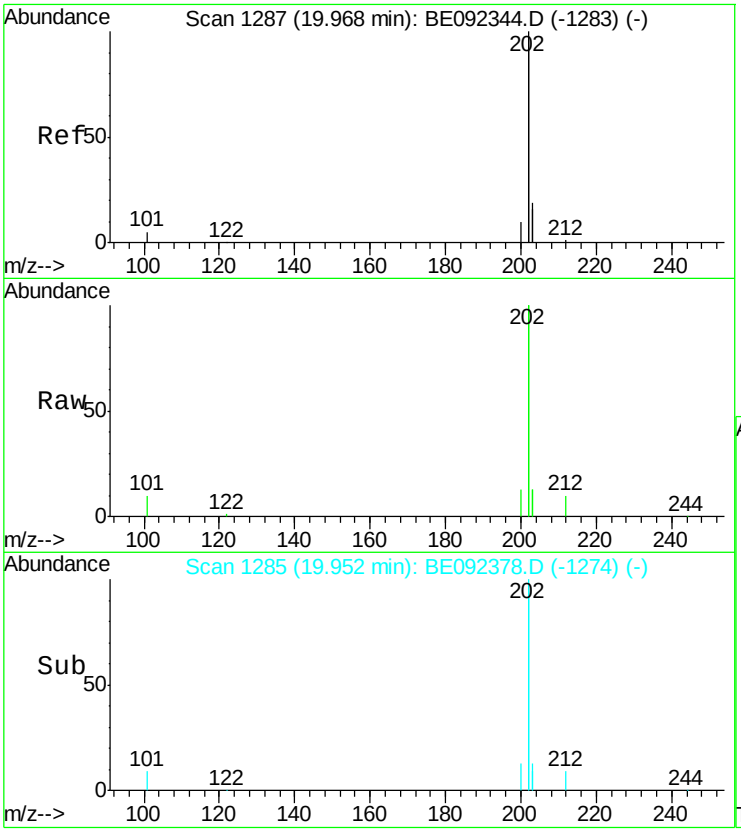


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1373
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:240 Resp: 79340

Ion	Ratio	Lower	Upper
240	100		
120	19.1	2.6	4.0#
236	35.5	24.6	37.0

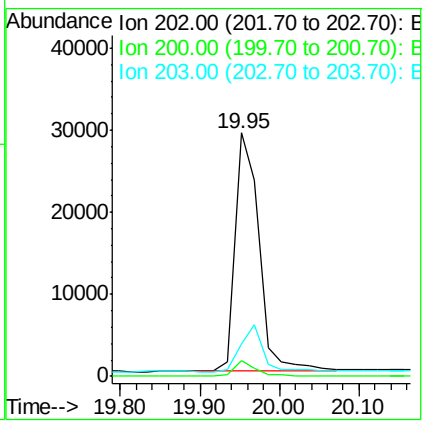




#25
Pyrene
Concen: 0.79 ng
RT: 19.95 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:202 Resp: 61160

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	18.4	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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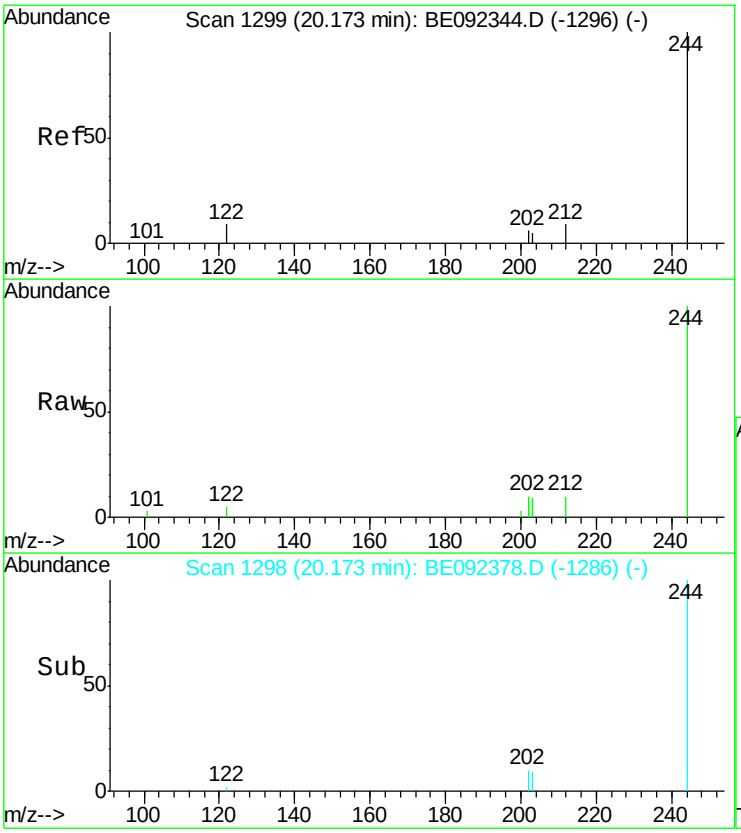
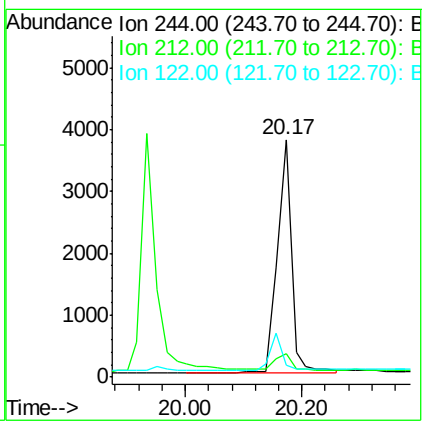
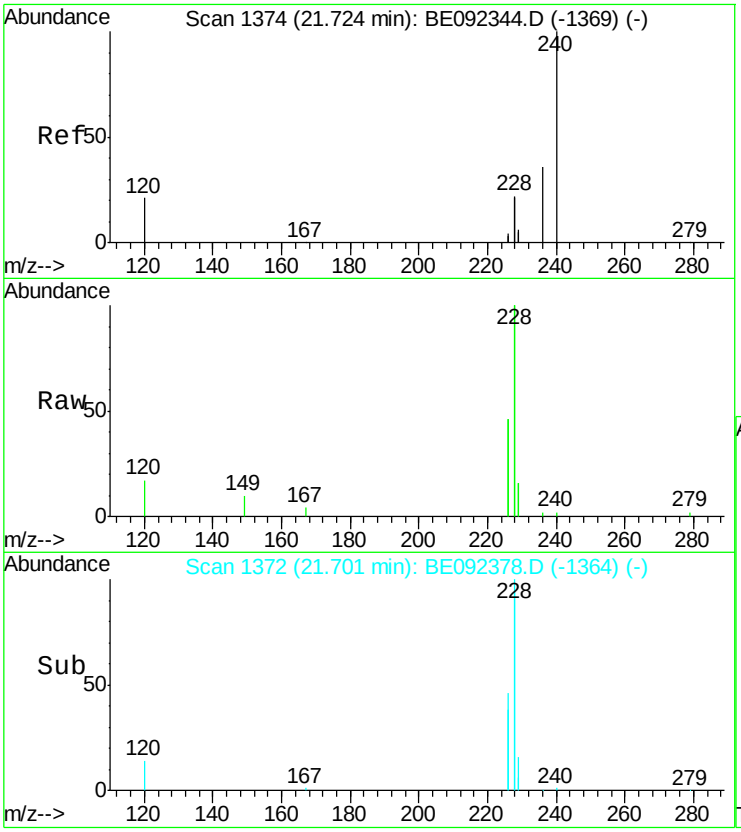


#26
Terphenyl-d14
Concen: 0.53 ng
RT: 20.17 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:244 Resp: 6253

Ion	Ratio	Lower	Upper
244	100		
212	9.7	6.7	10.1
122	5.2	3.6	5.4

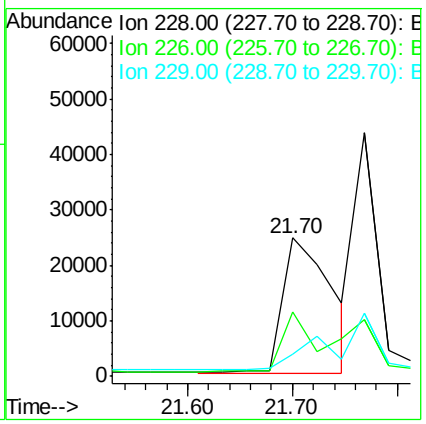




#27
Benzo(a)anthracene
Concen: 0.92 ng m
RT: 21.70 min Scan# 1372
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:228 Resp: 78812

Ion	Ratio	Lower	Upper
228	100		
226	46.2	23.6	35.4#
229	16.4	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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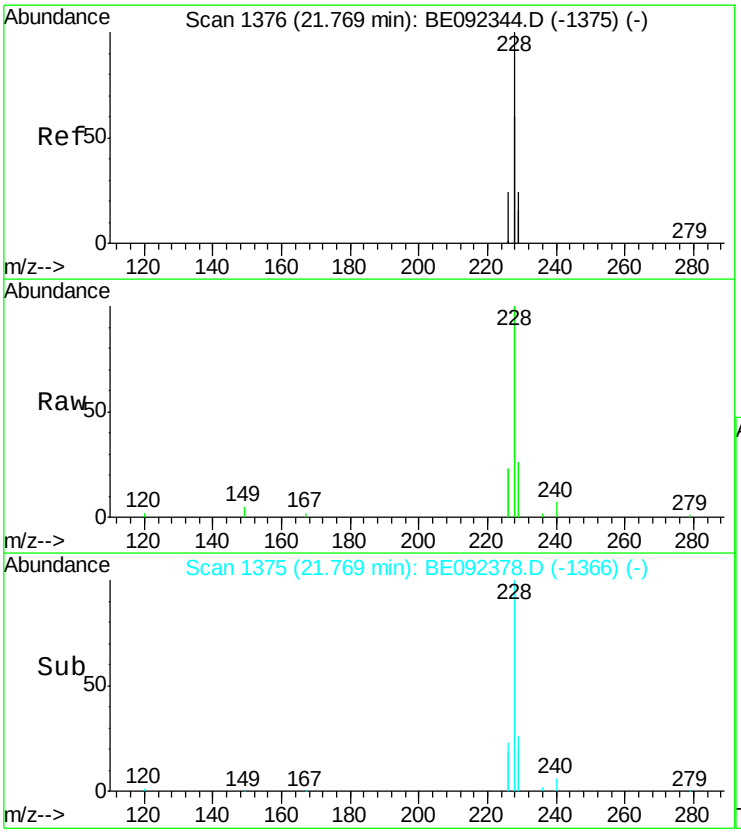
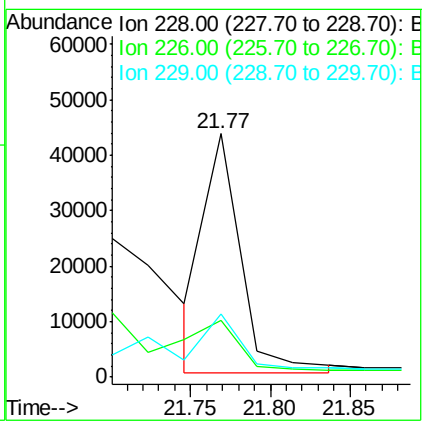
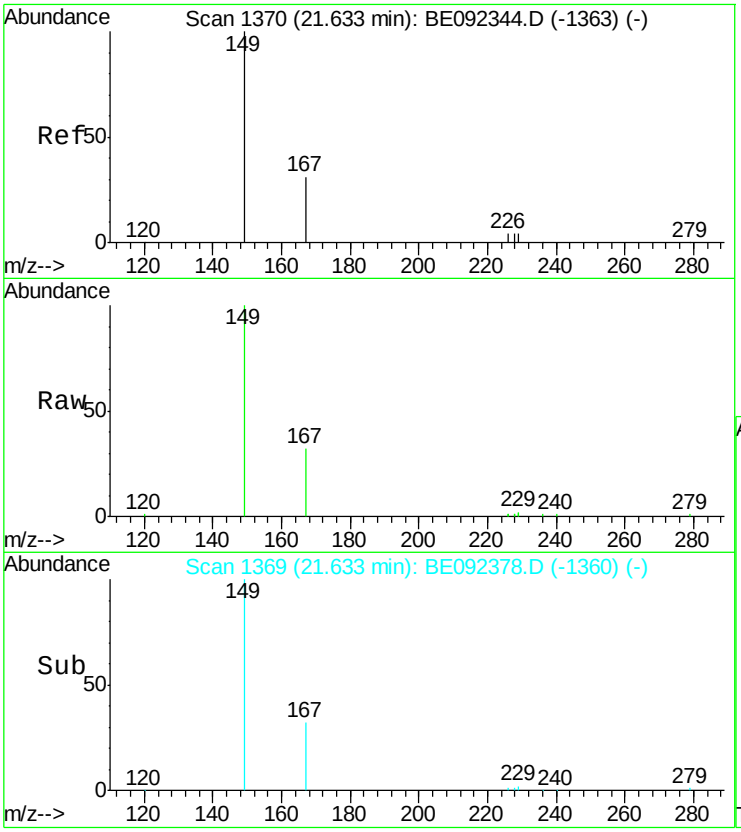


#28
Chrysene
Concen: 0.76 ng m
RT: 21.77 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:228 Resp: 68015

Ion	Ratio	Lower	Upper
228	100		
226	23.4	36.3	54.5#
229	25.8	10.6	16.0#





#29
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.63 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:149 Resp: 48873

Ion	Ratio	Lower	Upper
149	100		
167	31.9	16.0	24.0#
279	0.0	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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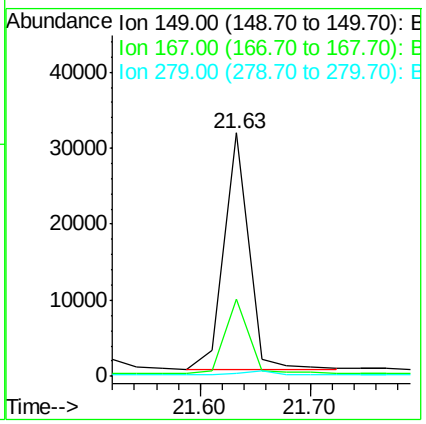
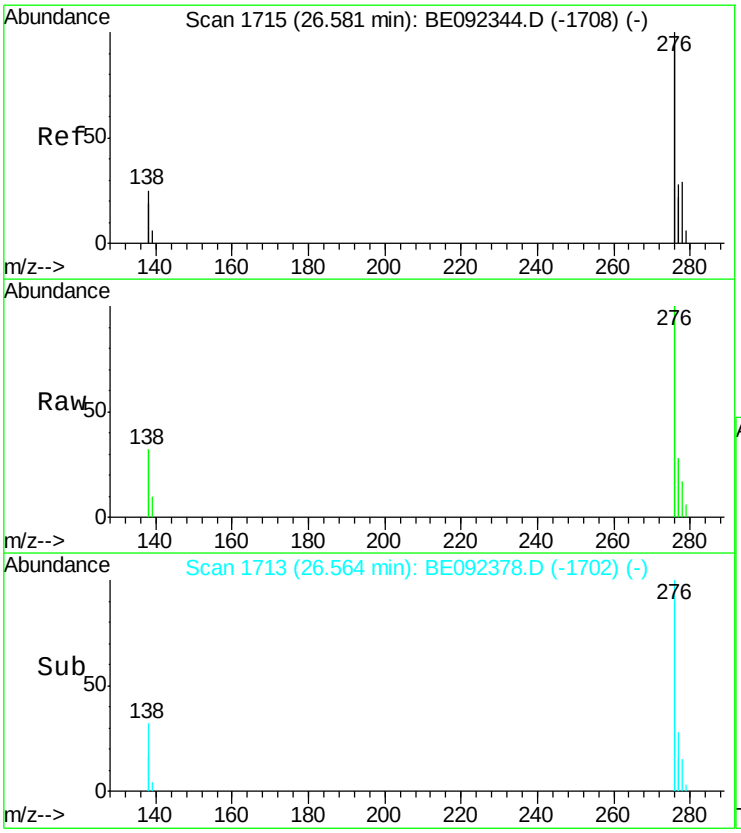
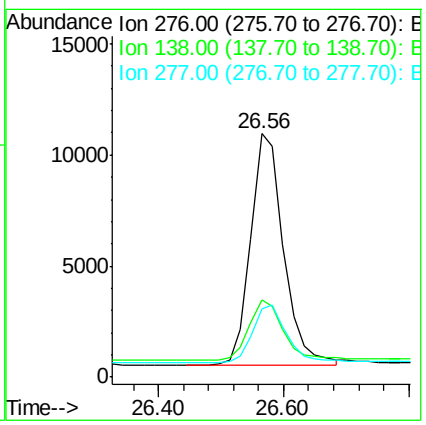


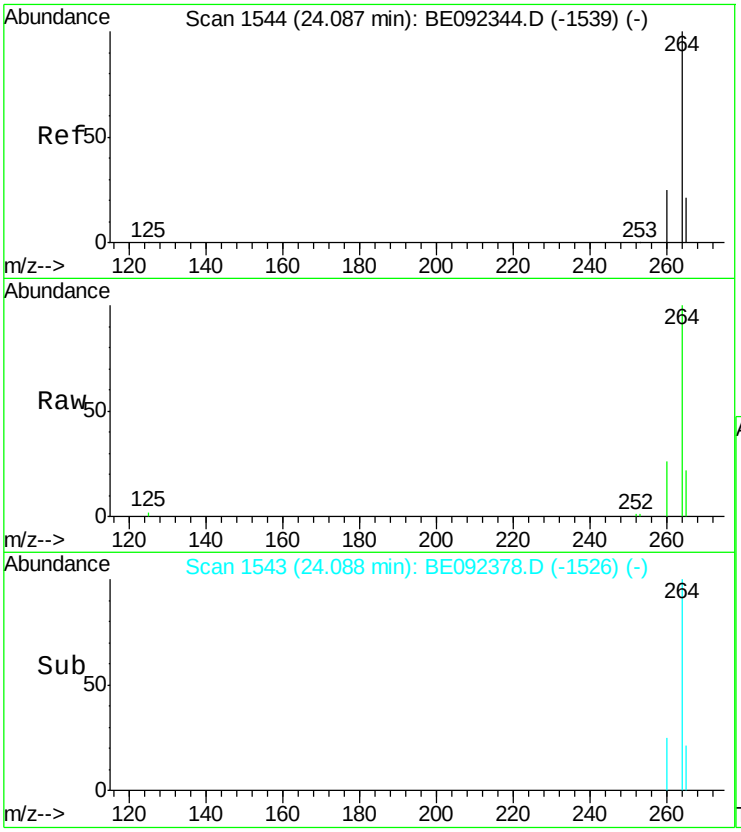


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.42 ng
RT: 26.56 min Scan# 1713
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:276 Resp: 38095

Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.3	30.5
277	26.2	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:264 Resp: 78957

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	22.1	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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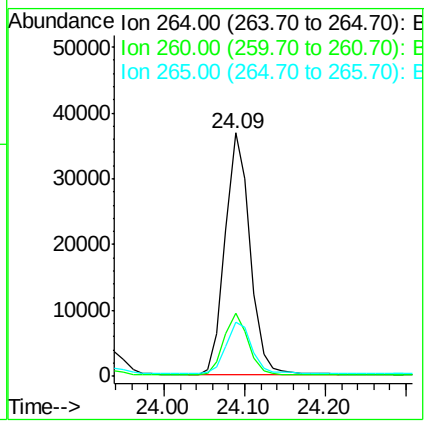
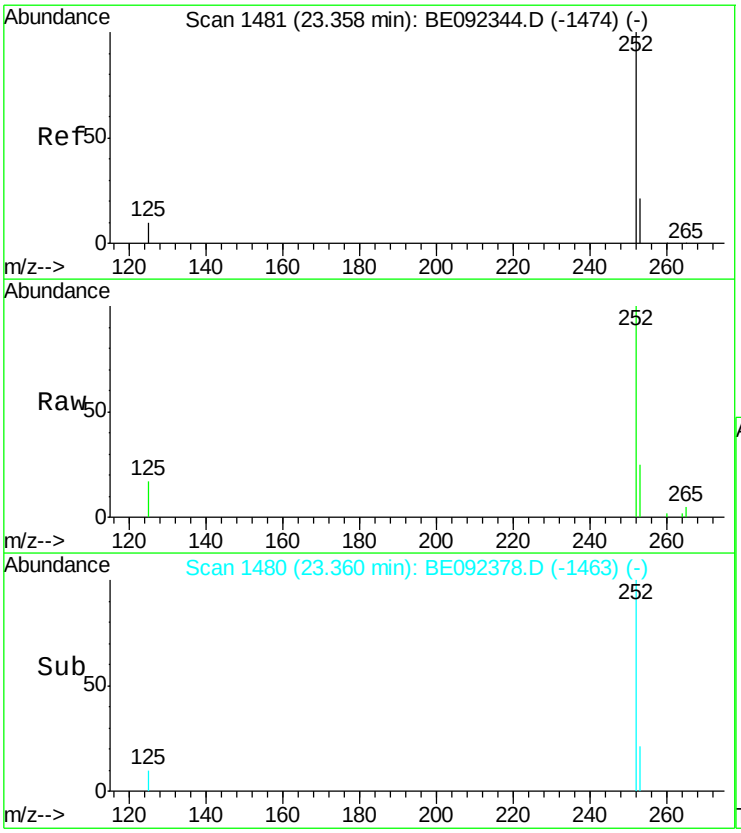
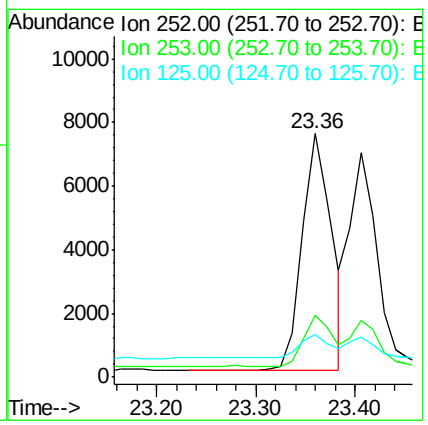


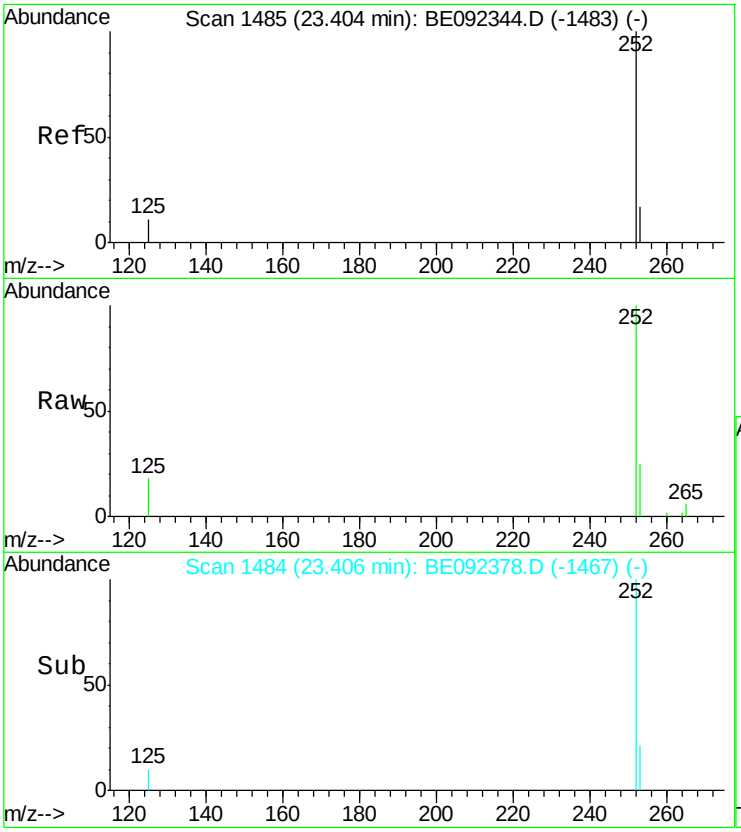


#32
Benzo(b)fluoranthene
Concen: 0.75 ng
RT: 23.36 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:252 Resp: 15260

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.7	28.1
125	17.3	10.5	15.7#





#33
Benzo(k)fluoranthene
Concen: 0.59 ng
RT: 23.41 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:252 Resp: 12700

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.3	30.5
125	18.1	9.6	14.4#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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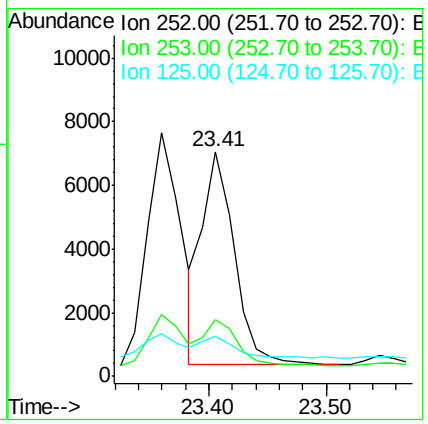
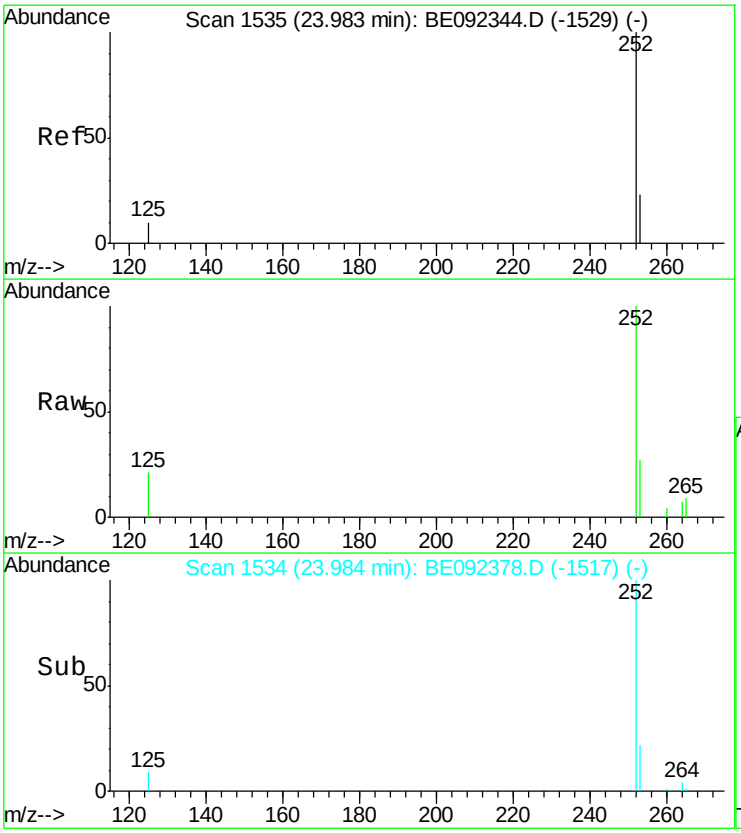
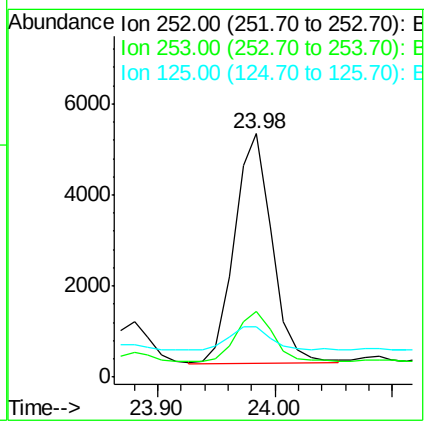


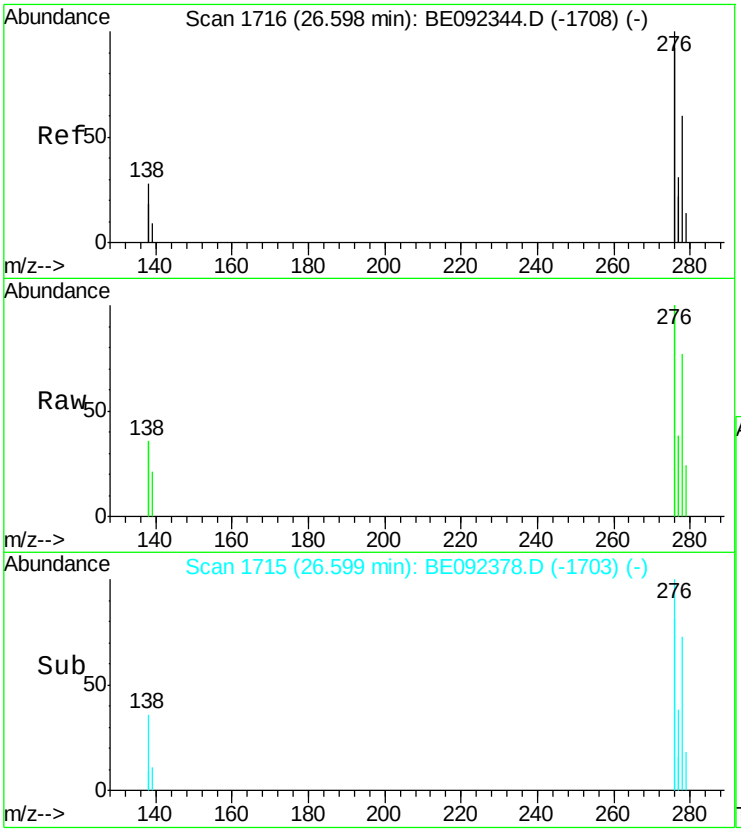


#34
Benzo(a)pyrene
Concen: 0.56 ng
RT: 23.98 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:252 Resp: 11268

Ion	Ratio	Lower	Upper
252	100		
253	27.2	19.0	28.6
125	20.7	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 0.42 ng
RT: 26.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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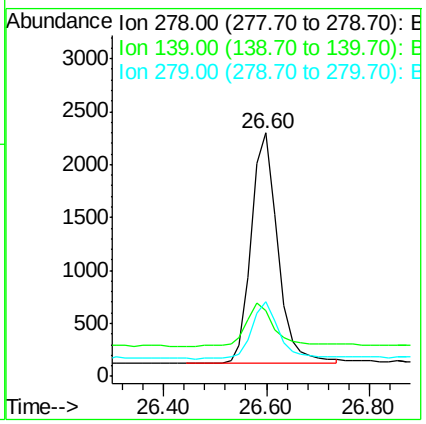
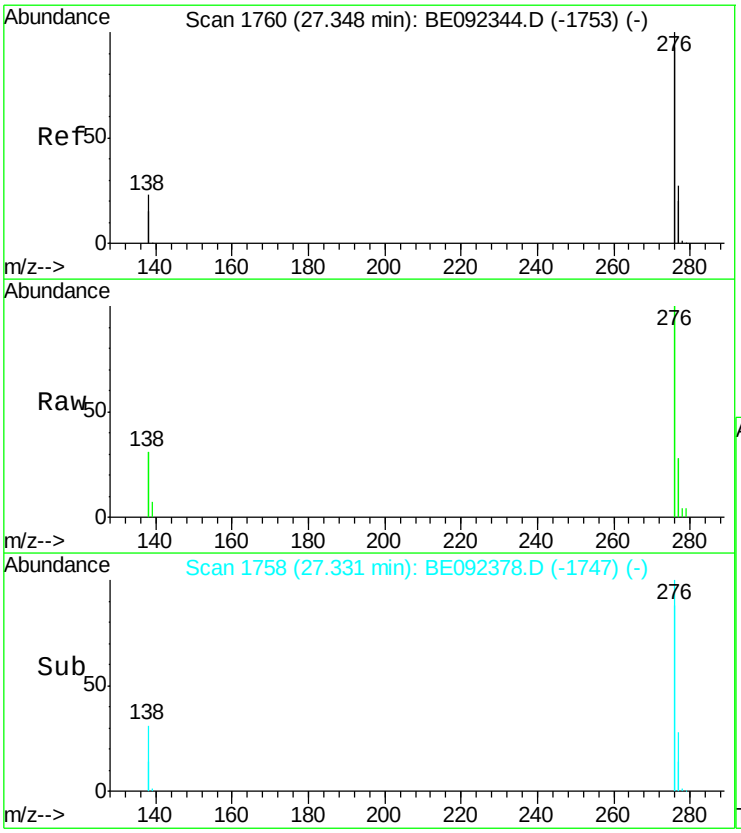
Tgt Ion:278 Resp: 7771

Ion	Ratio	Lower	Upper
278	100		
139	26.8	13.8	20.8#
279	30.9	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.41 ng
RT: 27.33 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BE092378.D
Acq: 12 Sep 2016 19:38

Tgt Ion:276 Resp: 32064

Ion	Ratio	Lower	Upper
276	100		
277	28.1	19.8	29.8
138	31.3	19.8	29.6#