Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090216\
Data File : BE092354.D
Acq On : 2 Sep 2016 21:44
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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Quant Time: Sep 02 23:56:55 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	8.19	152	7051	5.00	ng		0.00
7) Naphthalene-d8	10.95	136	34224	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	21272	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	50510	5.00	ng		0.02
24) Chrysene-d12	21.75	240	76142	5.00	ng		0.00
31) Perylene-d12	24.11	264	68236	5.00	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	570	0.34	ng		0.00
5) Phenol-d6	7.36	99	698	0.31	ng		0.00
8) Nitrobenzene-d5	9.36	82	774	0.31	ng		0.00
13) 2,4,6-Tribromophenol	16.32	330	219	0.33	ng		0.00
14) 2-Fluorobiphenyl	13.46	172	2421	0.37	ng		0.01
26) Terphenyl-d14	20.19	244	3589	0.32	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	395	0.37	ng		97
3) n-Nitrosodimethylamine	3.79	42	333	0.37	ng	#	97
6) bis(2-Chloroethyl)ether	7.61	93	609	0.35	ng	#	27
9) Naphthalene	11.01	128	2894	0.38	ng		98
10) Hexachlorobutadiene	11.30	225	469	0.39	ng		99
11) 2-Methylnaphthalene	12.65	142	1827	0.36	ng		96
15) Acenaphthylene	14.54	152	13501	0.37	ng		100
16) Acenaphthene	14.88	154	2245	0.38	ng		99
17) Fluorene	15.87	166	2734	0.37	ng		99
19) Hexachlorobenzene	16.89	284	886	0.37	ng	#	66
20) Pentachlorophenol	17.26	266	158	0.36	ng		96
21) Phenanthrene	17.60	178	5128	0.36	ng	#	95
22) Anthracene	17.72	178	4347	0.34	ng		99
23) Fluoranthene	19.61	202	22739	0.37	ng		99
25) Pyrene	19.97	202	25003	0.34	ng		100
27) Benzo(a)anthracene	21.72	228	29417m	0.36	ng		
28) Chrysene	21.77	228	28208m	0.26	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	2216	0.23	ng	#	73
30) Indeno(1,2,3-cd)pyrene	26.61	276	28681	0.33	ng		97
32) Benzo(b)fluoranthene	23.38	252	6924	0.40	ng		99
33) Benzo(k)fluoranthene	23.43	252	6817	0.37	ng		98
34) Benzo(a)pyrene	24.00	252	6632	0.38	ng	#	92
35) Dibenzo(a,h)anthracene	26.63	278	5776	0.36	ng		97
36) Benzo(g,h,i)perylene	27.38	276	24670	0.37	ng		98

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

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Sample : SSTDCCC0.4
Misc :
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QLast Update : Fri Sep 02 19:34:51 2016
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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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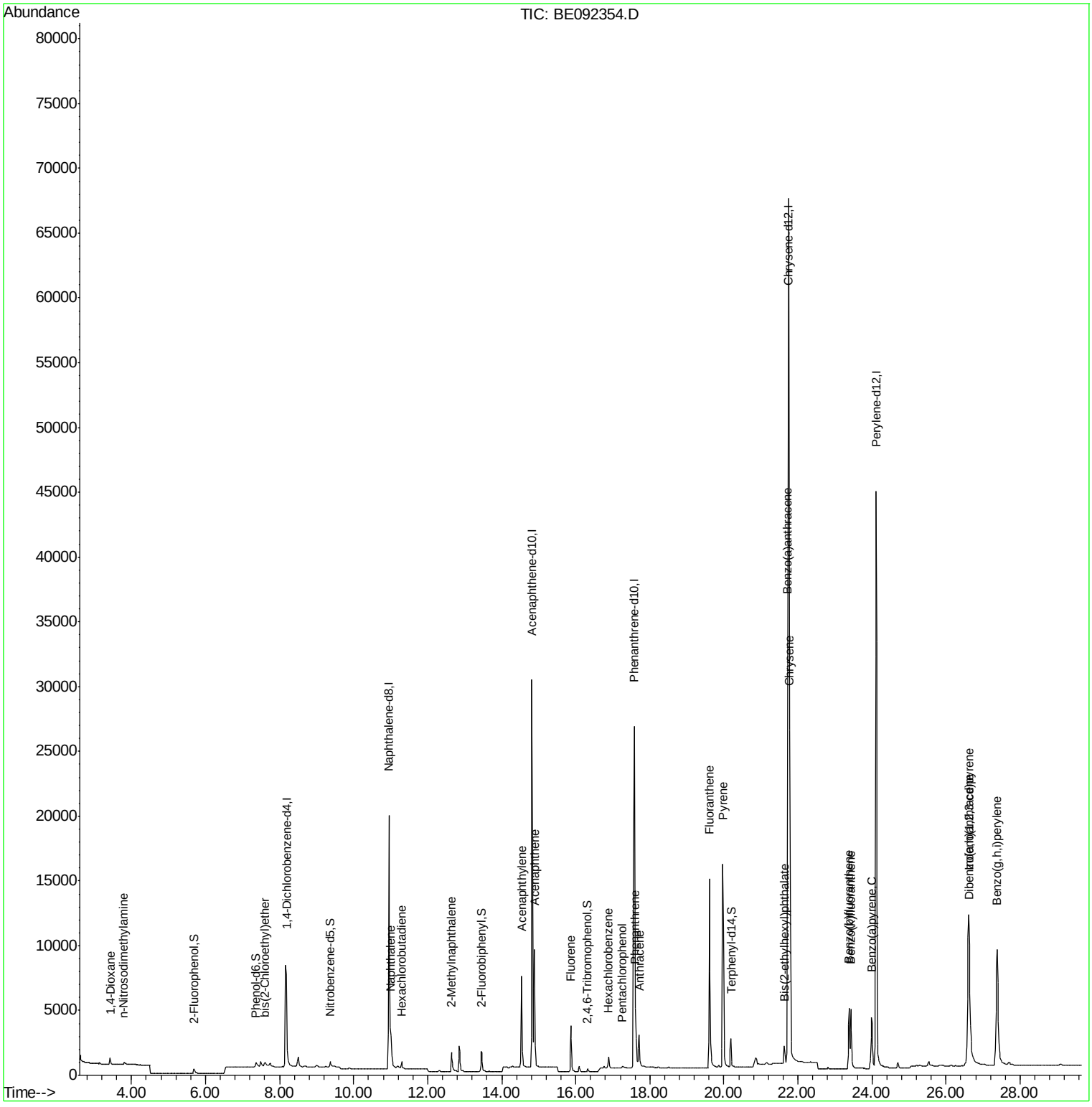
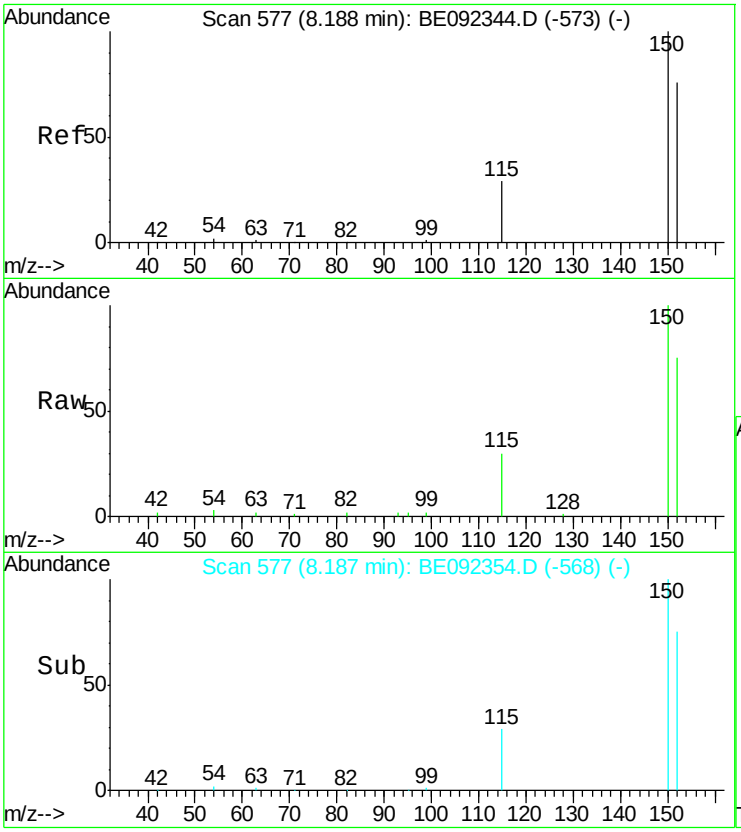
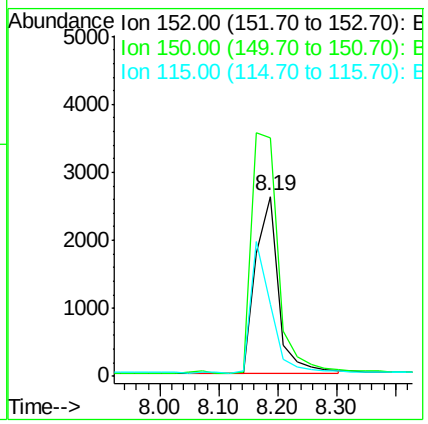




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:152 Resp: 7051

Ion	Ratio	Lower	Upper
152	100		
150	132.9	106.0	159.0
115	40.1	31.2	46.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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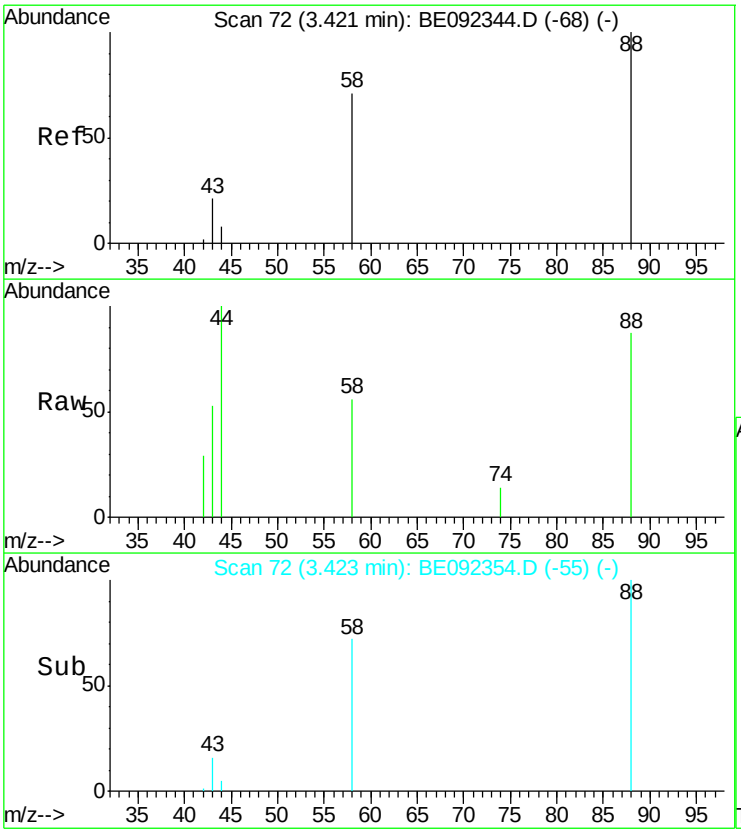
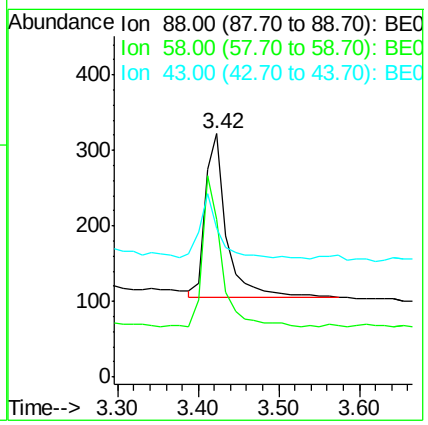
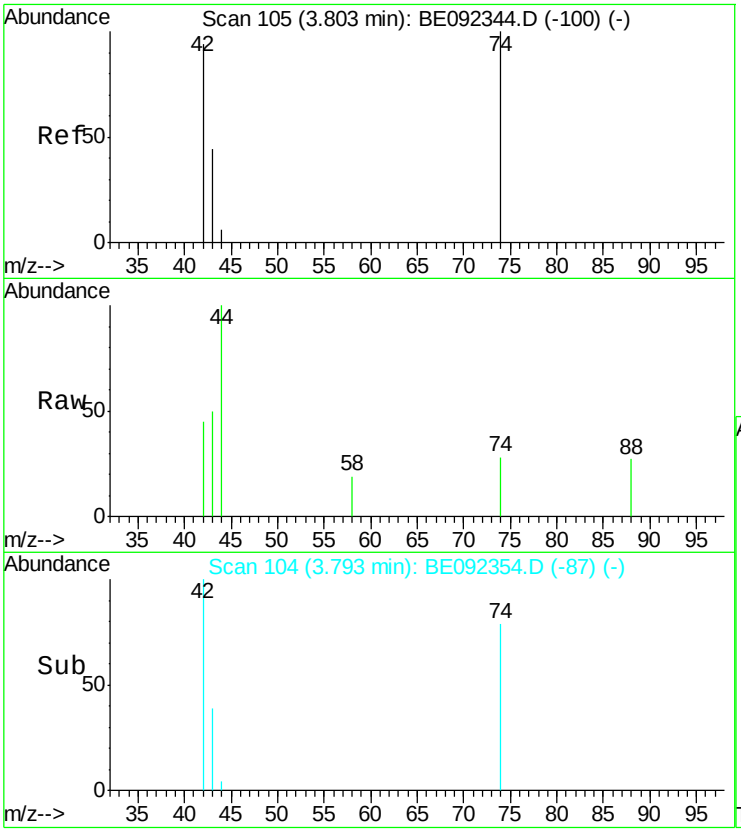


#2
1,4-Dioxane
Concen: 0.37 ng
RT: 3.42 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion: 88 Resp: 395

Ion	Ratio	Lower	Upper
88	100		
58	83.0	63.6	95.4
43	35.2	28.0	42.0

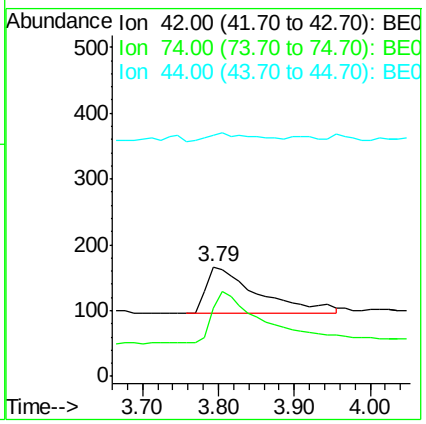




#3
n-Nitrosodimethylamine
Concen: 0.37 ng
RT: 3.79 min Scan# 104
Delta R.T. -0.01 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion: 42 Resp: 333

Ion	Ratio	Lower	Upper
42	100		
74	109.3	86.0	129.0
44	16.2	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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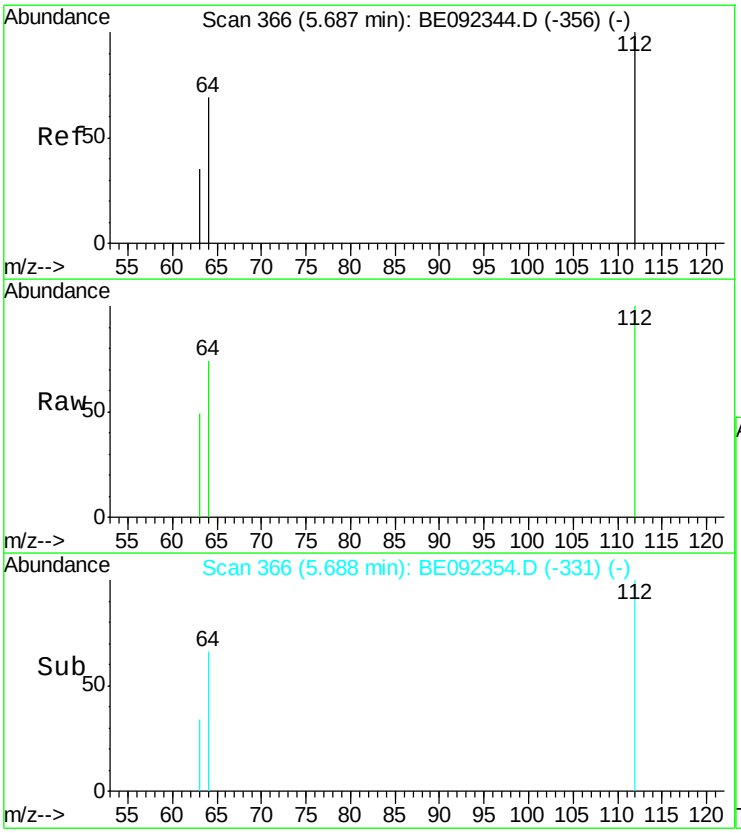
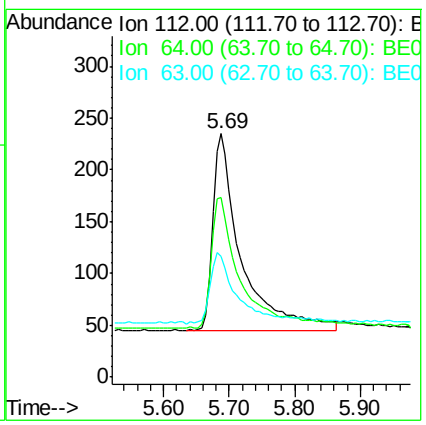
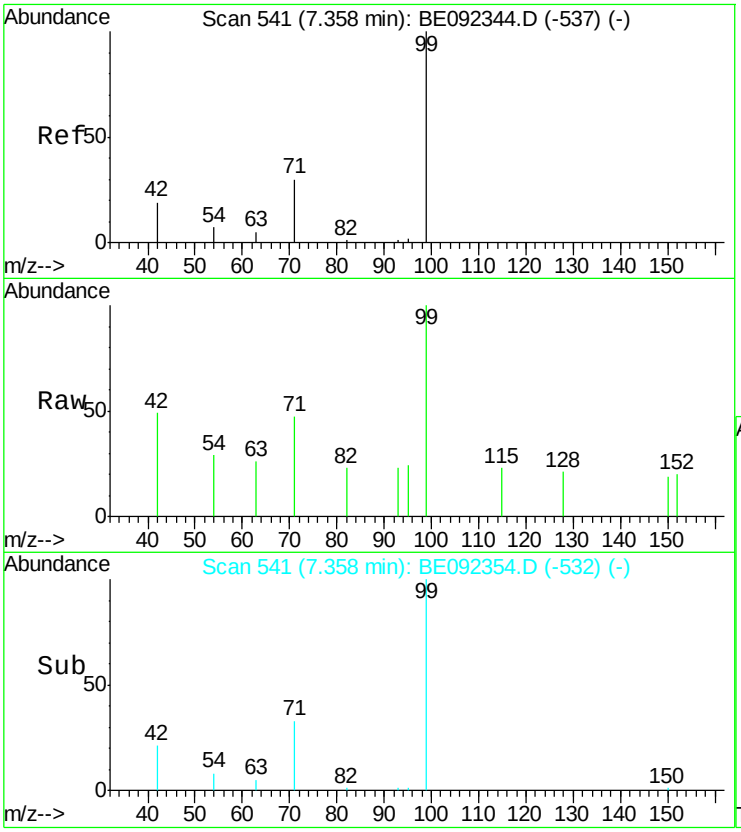


#4
2-Fluorophenol
Concen: 0.34 ng
RT: 5.69 min Scan# 366
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:112 Resp: 570

Ion	Ratio	Lower	Upper
112	100		
64	69.6	53.5	80.3
63	38.4	27.9	41.9

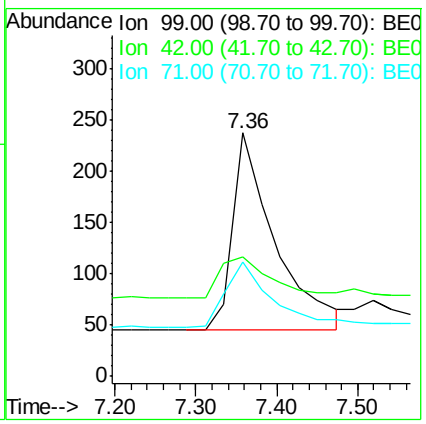




#5
Phenol-d6
Concen: 0.31 ng
RT: 7.36 min Scan# 541
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion: 99 Resp: 698

Ion	Ratio	Lower	Upper
99	100		
42	24.5	16.0	24.0#
71	34.8	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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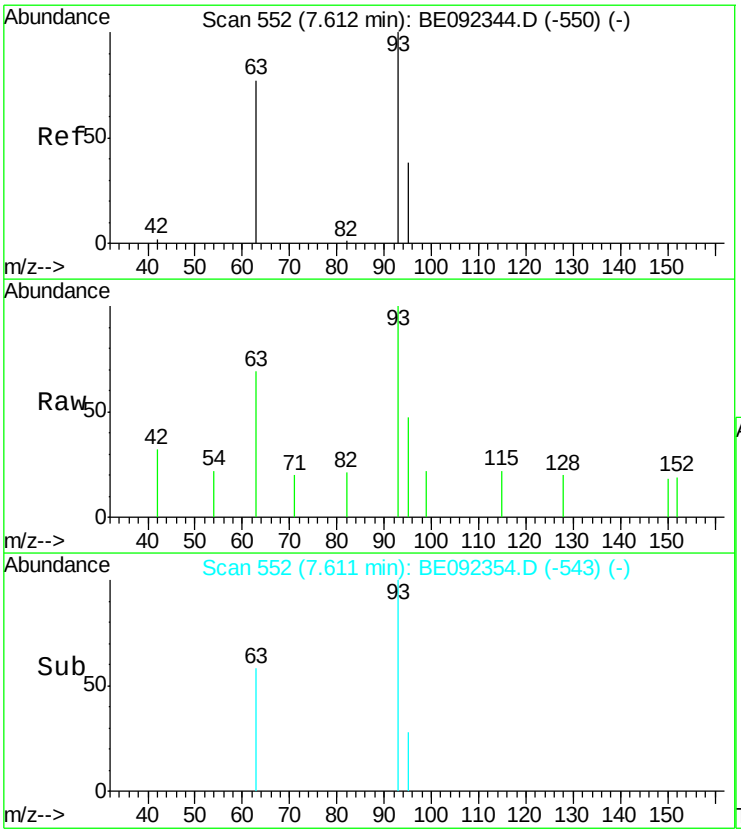
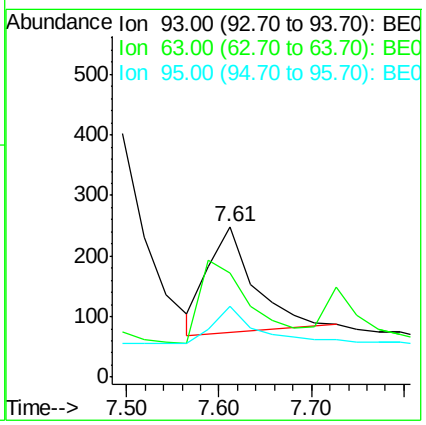
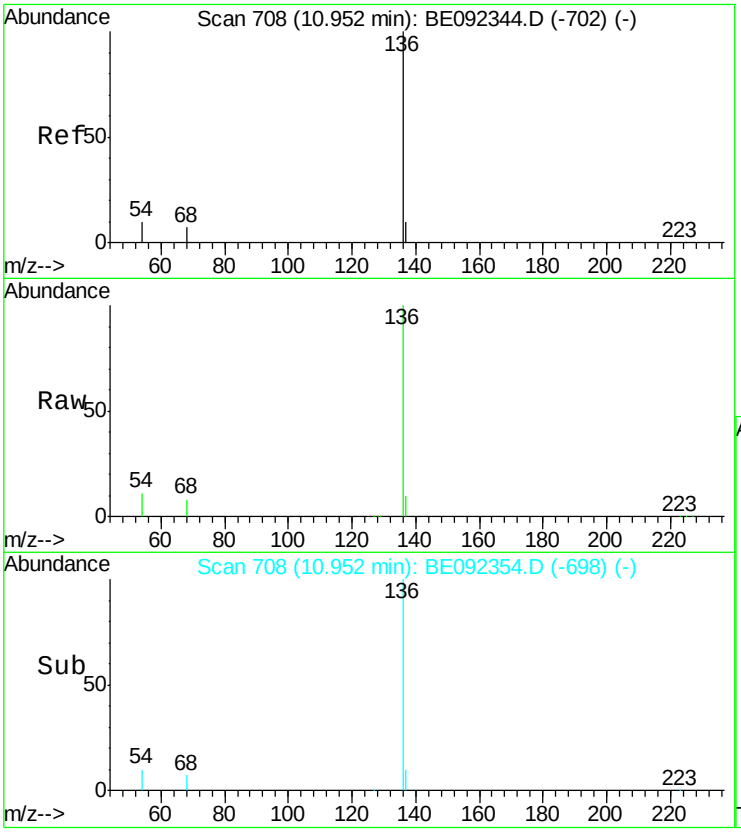


#6
bis(2-Chloroethyl)ether
Concen: 0.35 ng
RT: 7.61 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion: 93 Resp: 609

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	34.0	24.0	36.0

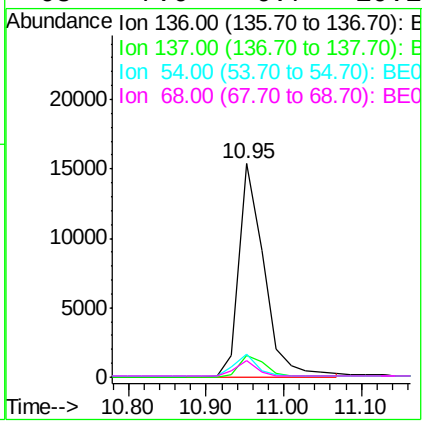




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:136 Resp: 34224

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	10.6	9.6	14.4
68	7.6	6.7	10.1



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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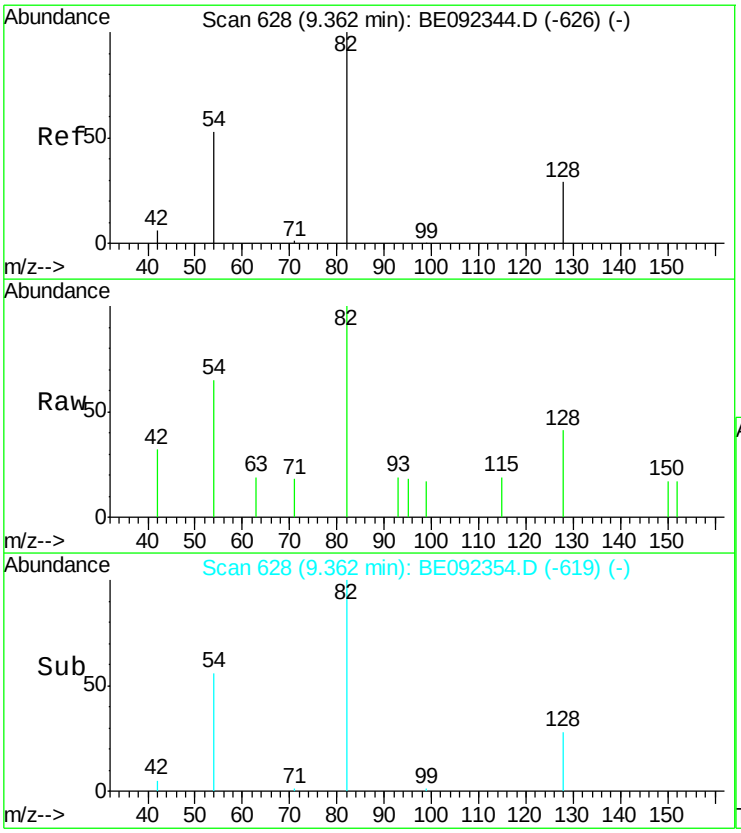
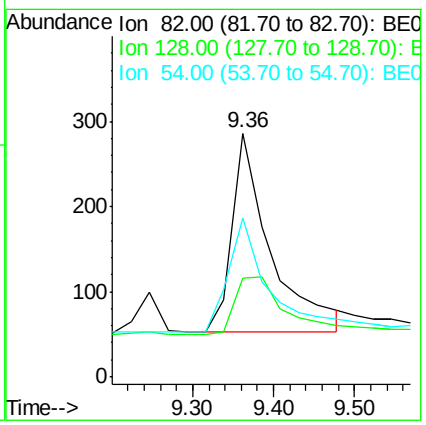
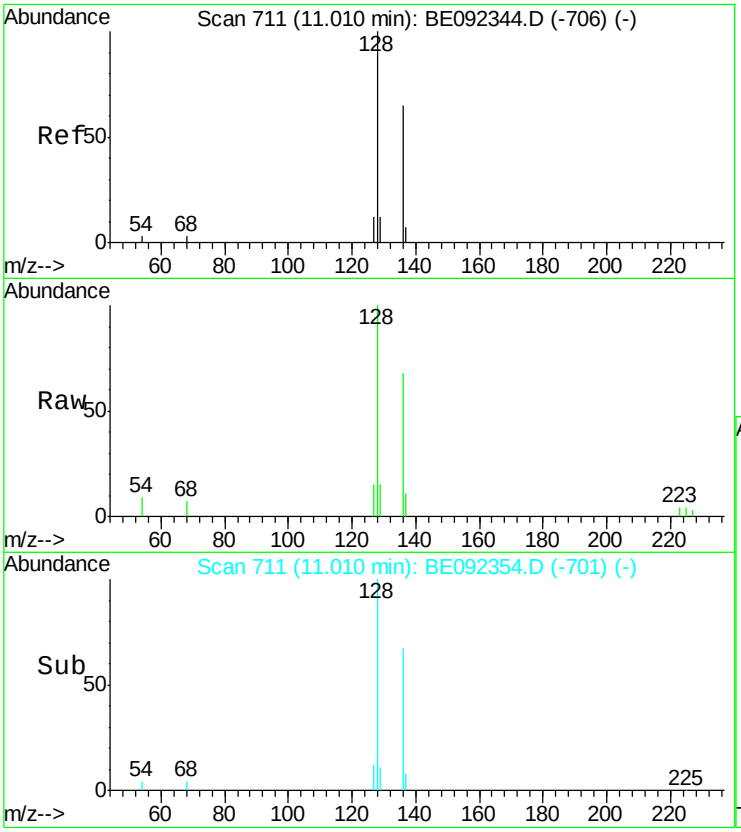


#8
Nitrobenzene-d5
Concen: 0.31 ng
RT: 9.36 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion: 82 Resp: 774

Ion	Ratio	Lower	Upper
82	100		
128	40.6	39.0	58.4
54	65.0	44.8	67.2

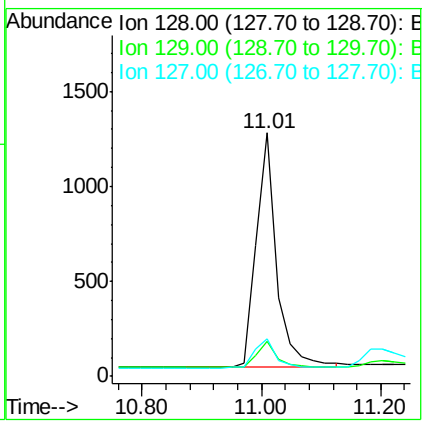




#9
Naphthalene
Concen: 0.38 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:128 Resp: 2894

Ion	Ratio	Lower	Upper
128	100		
129	14.6	11.2	16.8
127	15.2	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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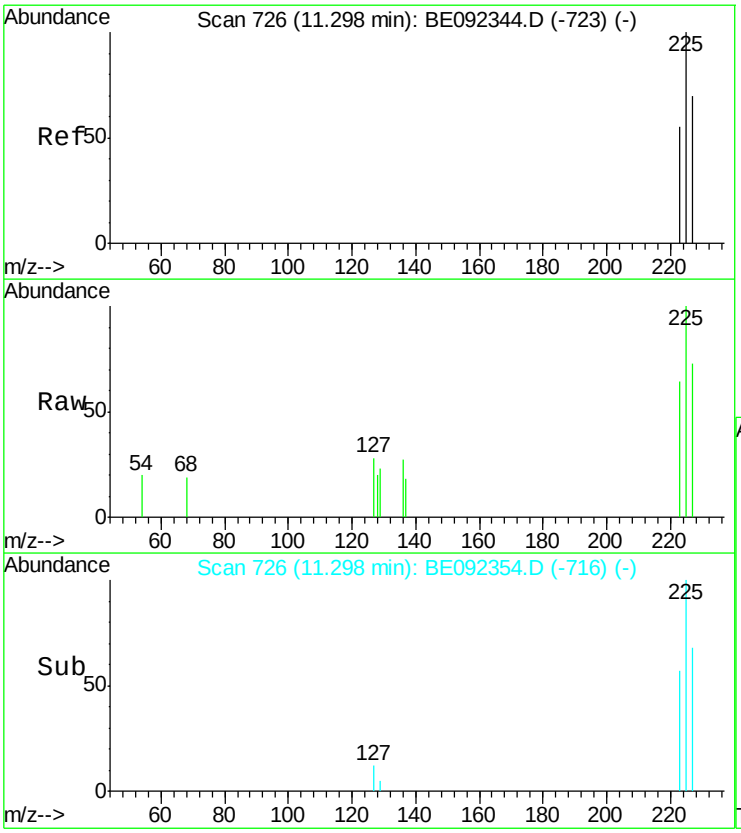
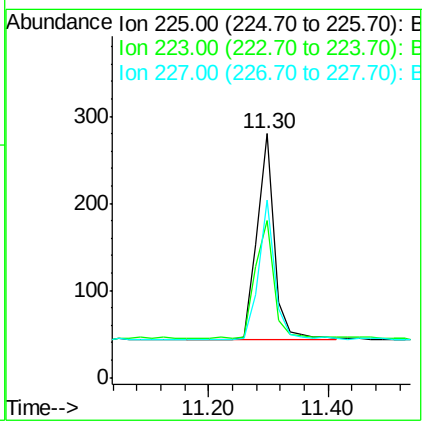
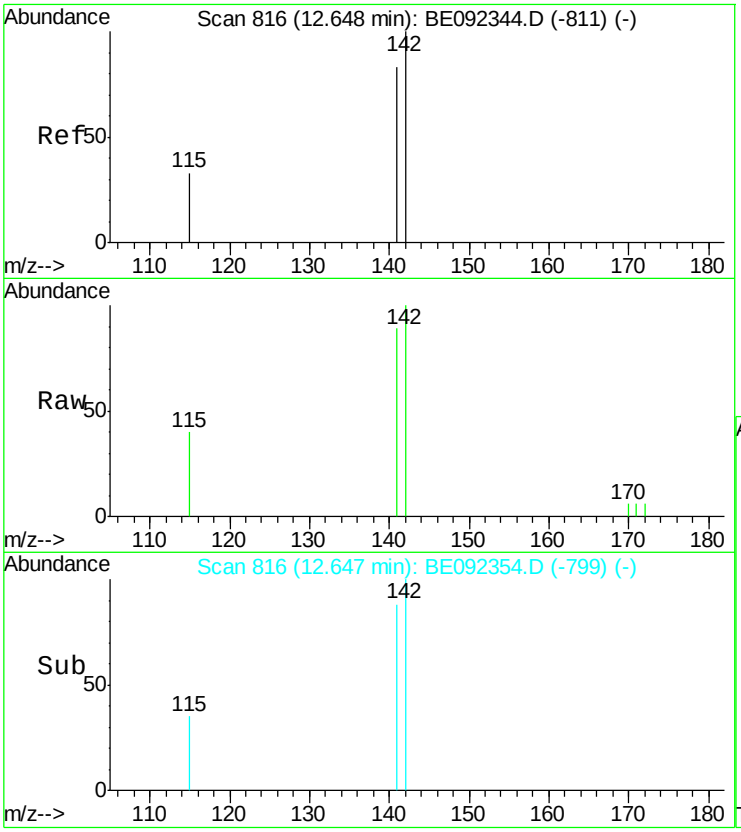


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:225 Resp: 469

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	76.0
227	64.0	51.4	77.0

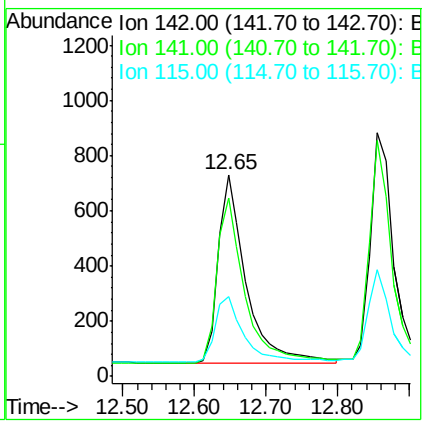




#11
2-Methylnaphthalene
Concen: 0.36 ng
RT: 12.65 min Scan# 816
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:142 Resp: 1827

Ion	Ratio	Lower	Upper
142	100		
141	88.5	73.7	110.5
115	39.8	34.0	51.0



Instrument :
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ClientSampleId :
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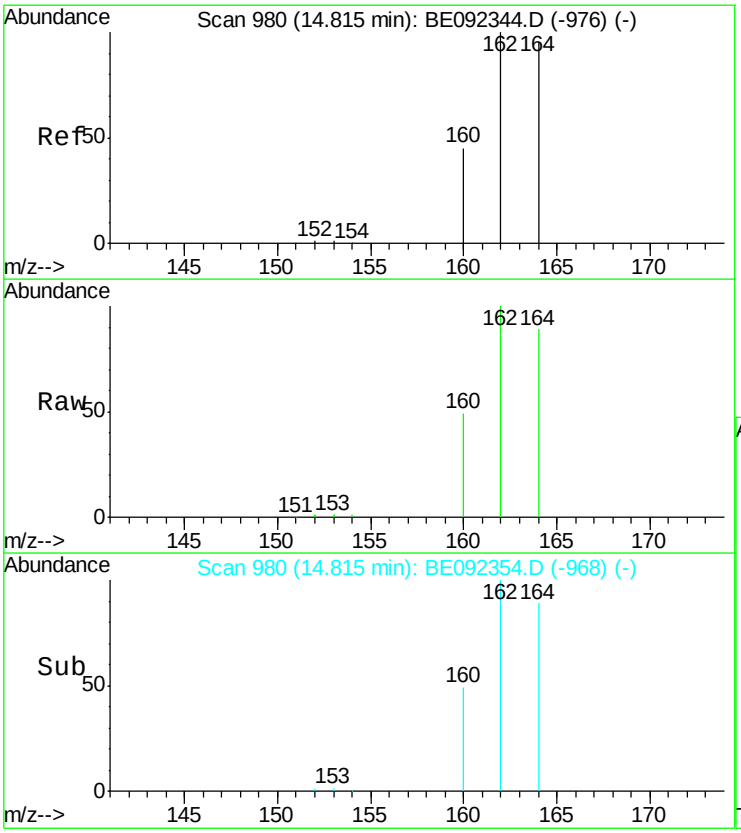
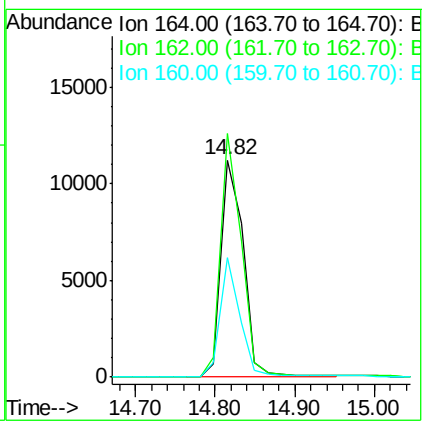
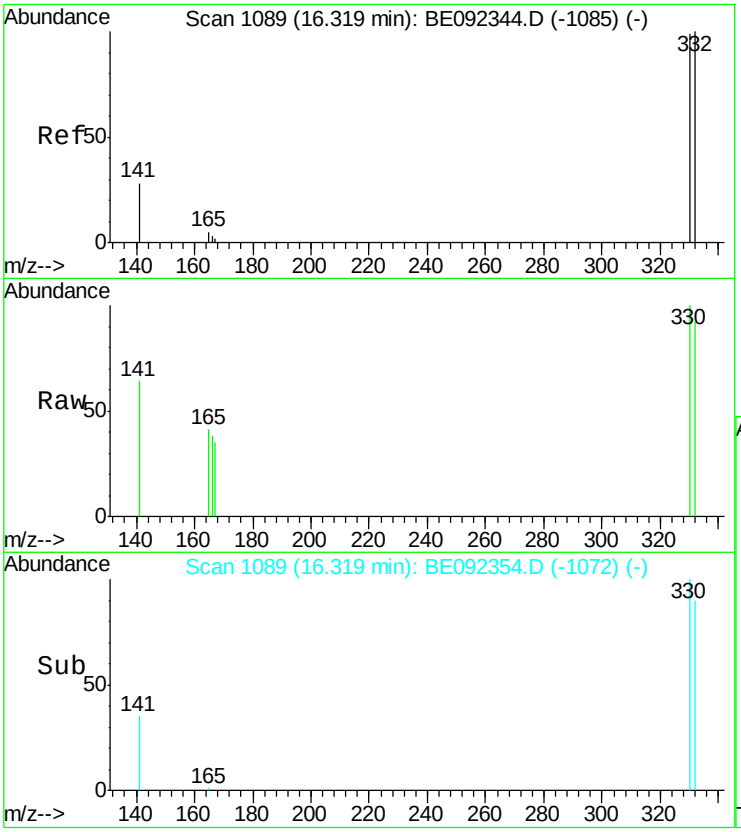


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:164 Resp: 21272

Ion	Ratio	Lower	Upper
164	100		
162	112.2	71.4	107.0#
160	55.0	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.33 ng
RT: 16.32 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:330 Resp: 219

Ion	Ratio	Lower	Upper
330	100		
332	95.4	75.4	113.0
141	42.9	31.0	46.6

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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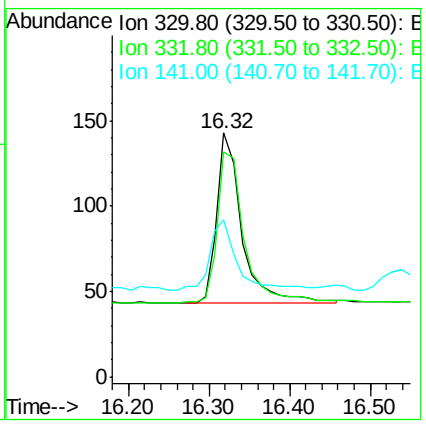
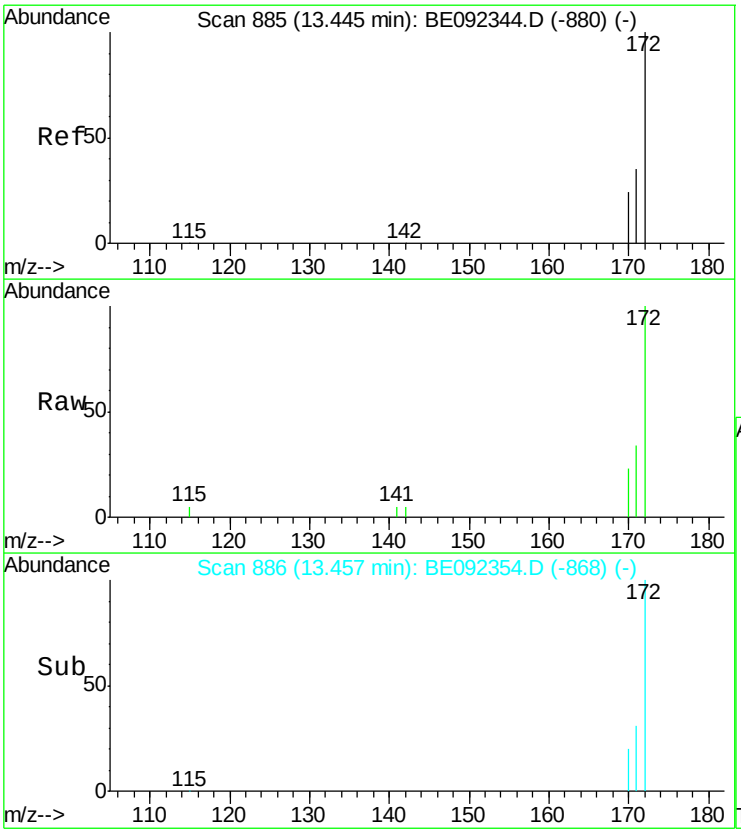
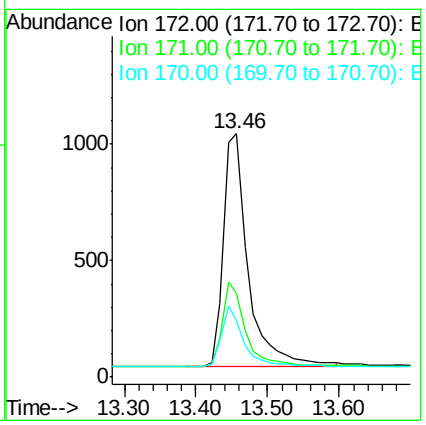


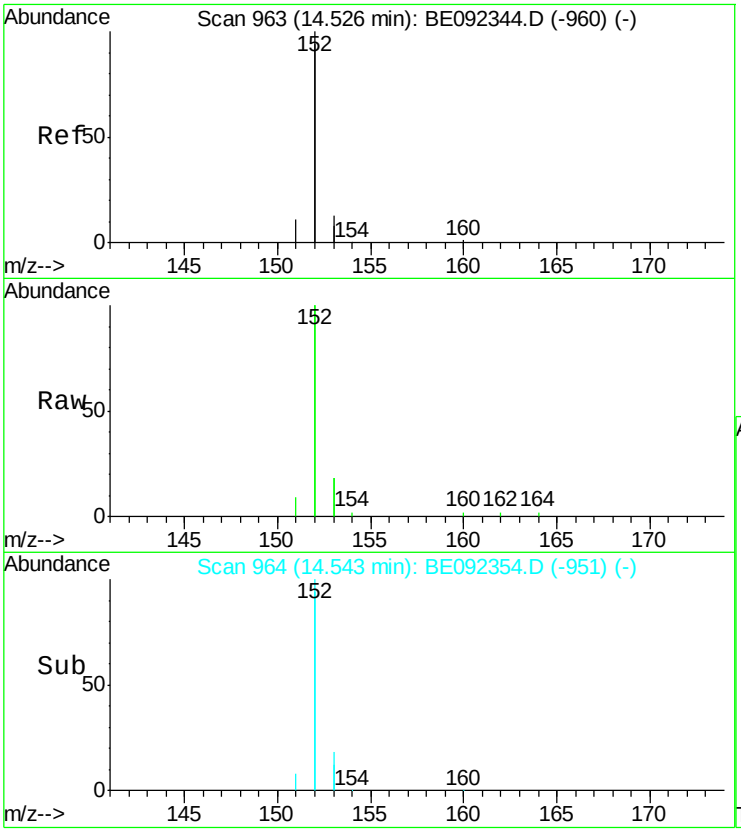


#14
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.46 min Scan# 886
Delta R.T. 0.01 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:172 Resp: 2421

Ion	Ratio	Lower	Upper
172	100		
171	34.2	30.1	45.1
170	23.4	21.8	32.6

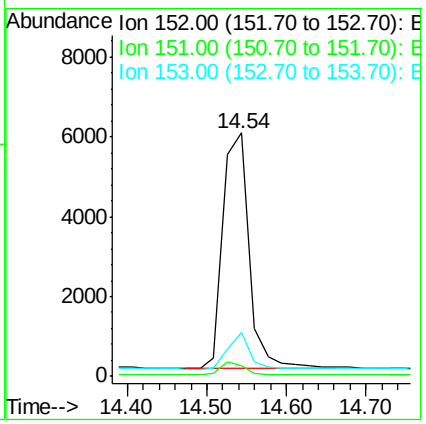




#15
Acenaphthylene
Concen: 0.37 ng
RT: 14.54 min Scan# 964
Delta R.T. 0.02 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:152 Resp: 13501

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	12.9	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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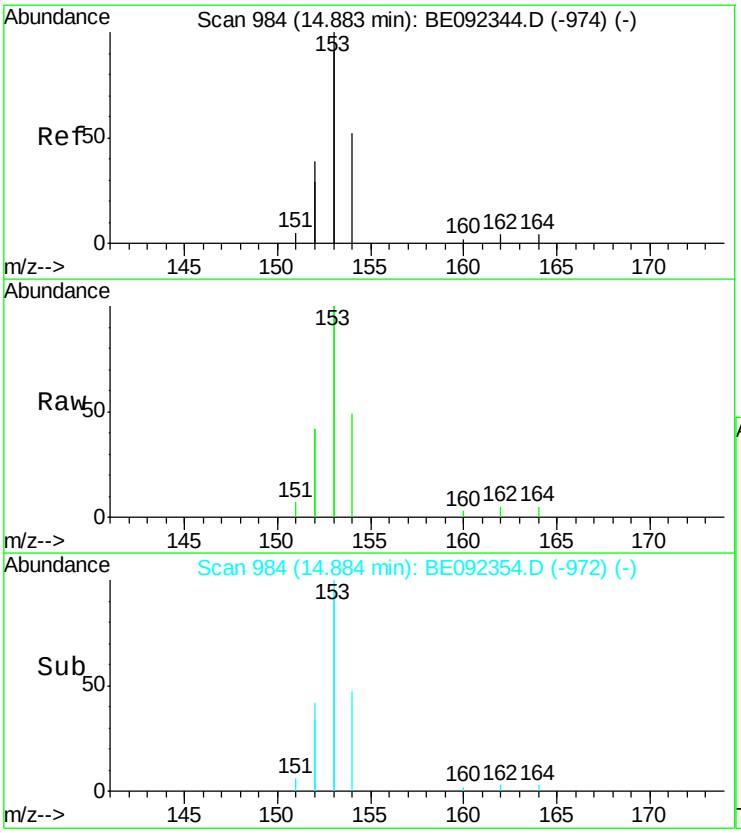
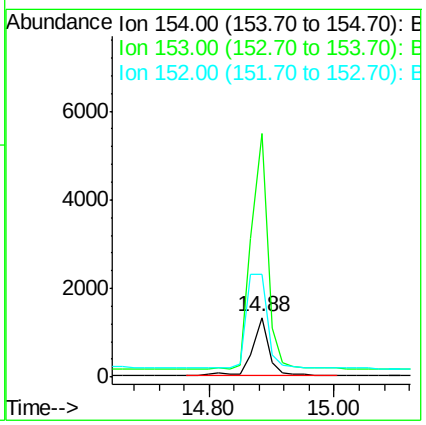
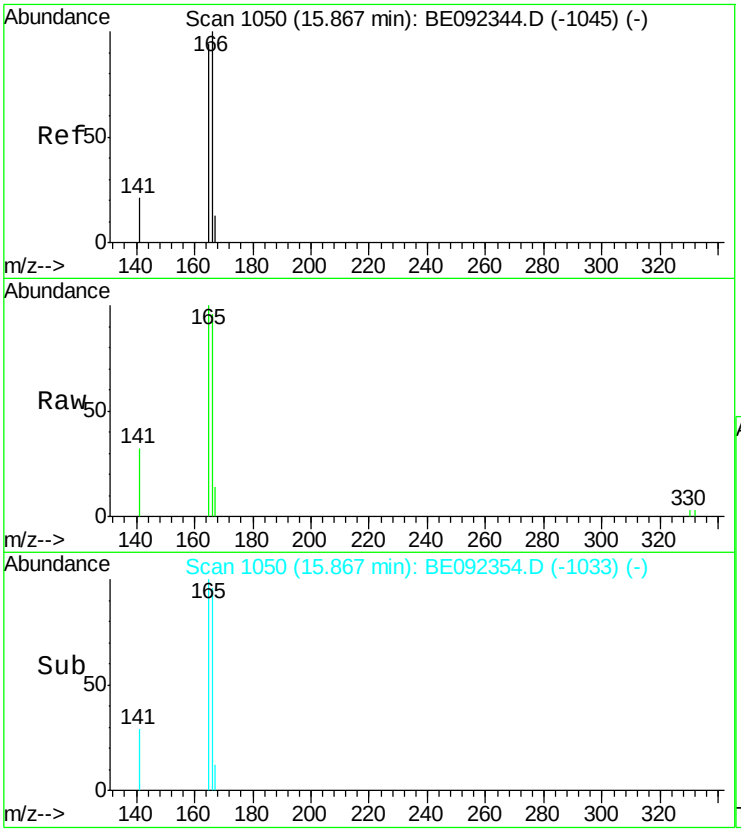


#16
Acenaphthene
Concen: 0.38 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:154 Resp: 2245

Ion	Ratio	Lower	Upper
154	100		
153	435.5	350.8	526.2
152	215.9	171.1	256.7





#17
Fluorene
Concen: 0.37 ng
RT: 15.87 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:166 Resp: 2734

Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	13.5	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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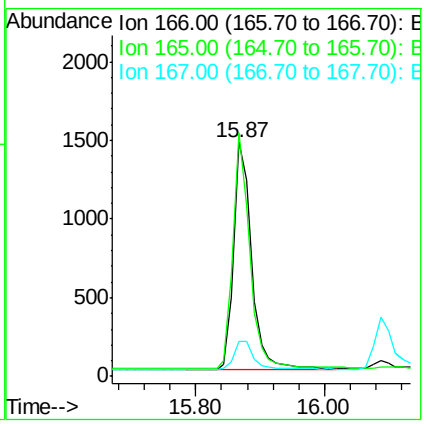
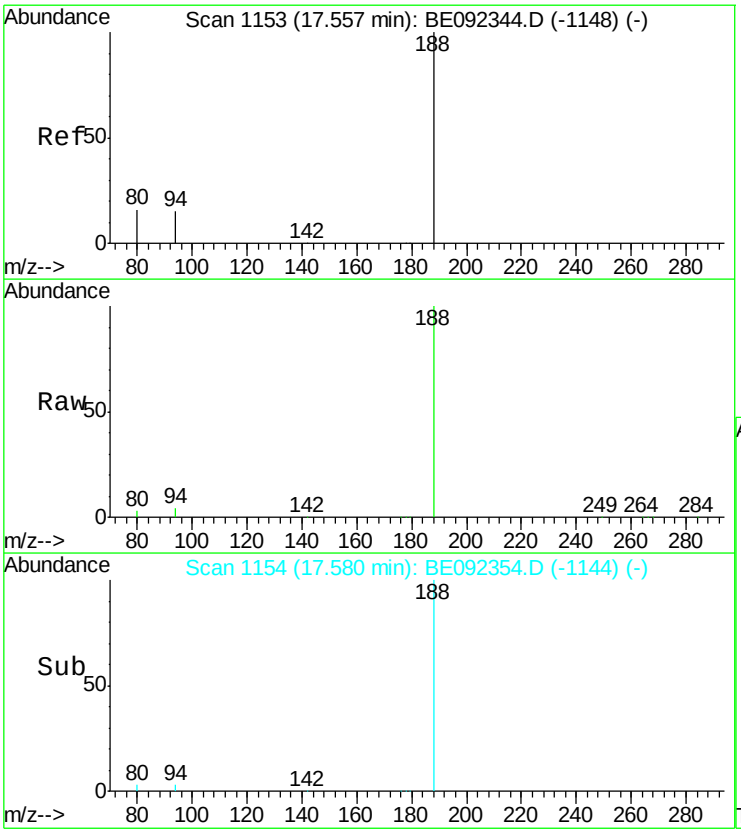
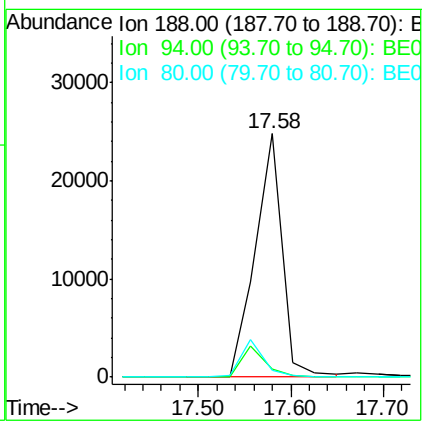


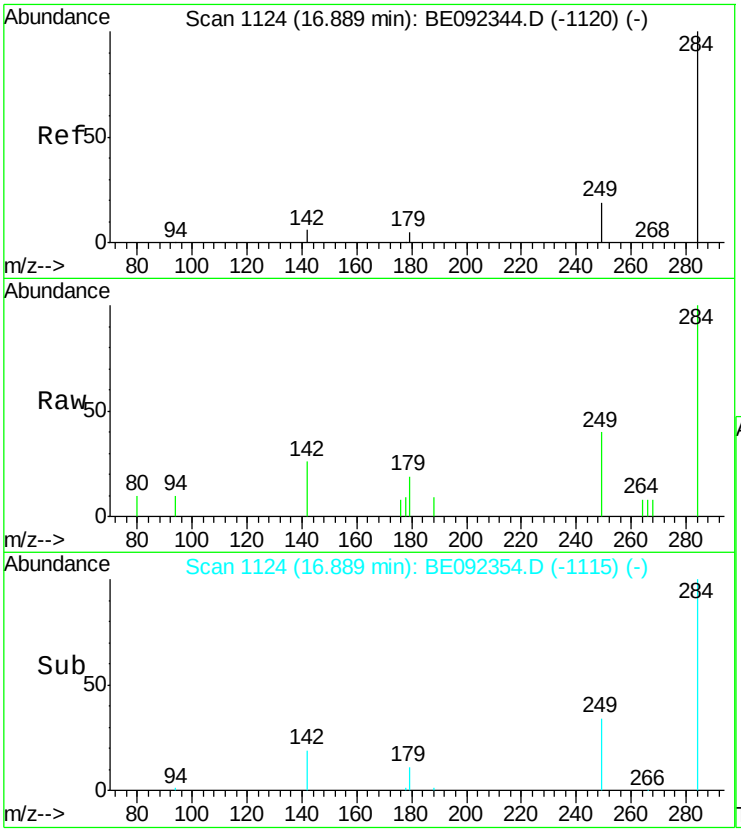


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:188 Resp: 50510

Ion	Ratio	Lower	Upper
188	100		
94	3.5	3.2	4.8
80	3.0	2.6	3.8

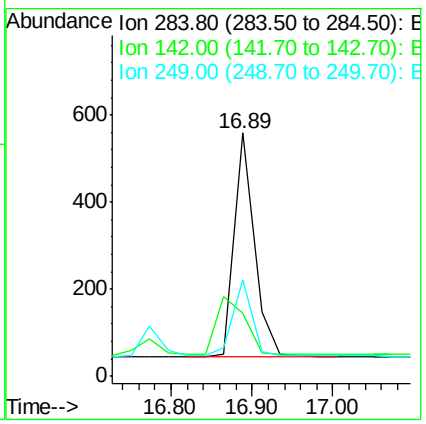




#19
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:284 Resp: 886

Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	31.8	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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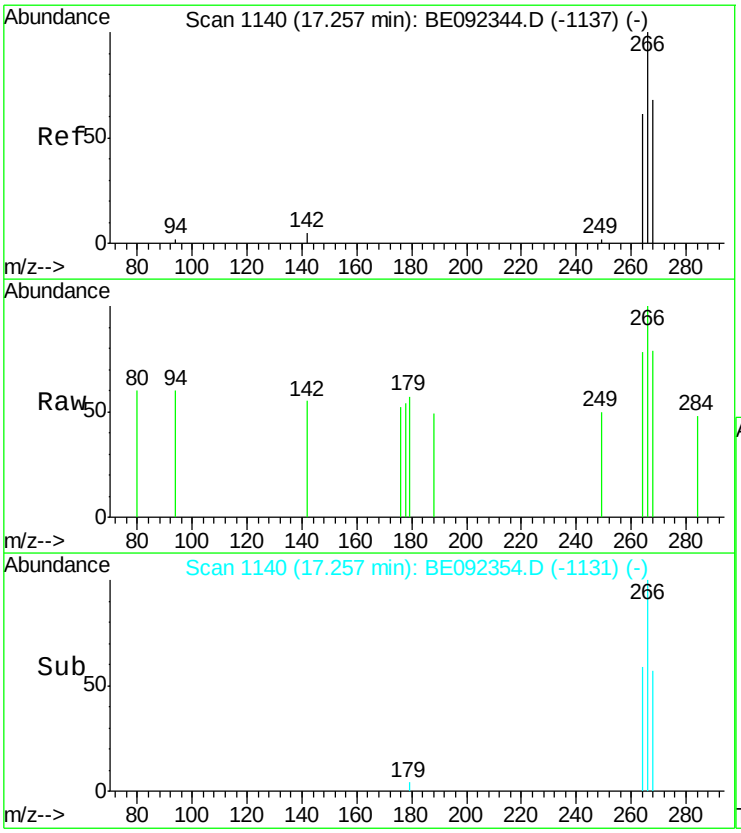
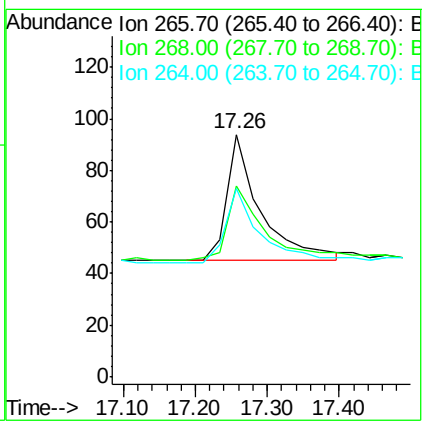
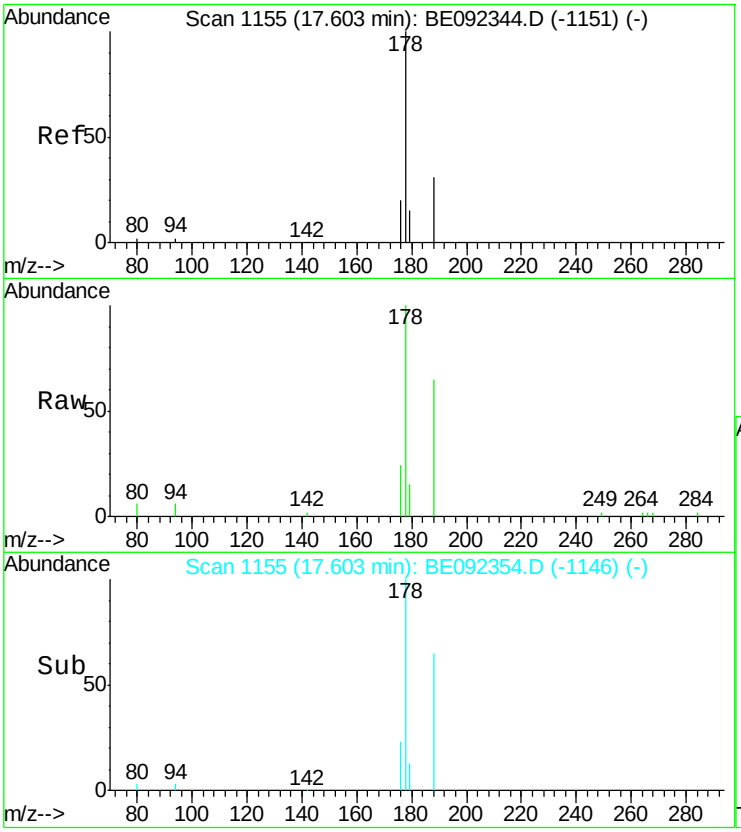


#20
Pentachlorophenol
Concen: 0.36 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:266 Resp: 158

Ion	Ratio	Lower	Upper
266	100		
268	78.7	62.5	93.7
264	77.7	57.2	85.8

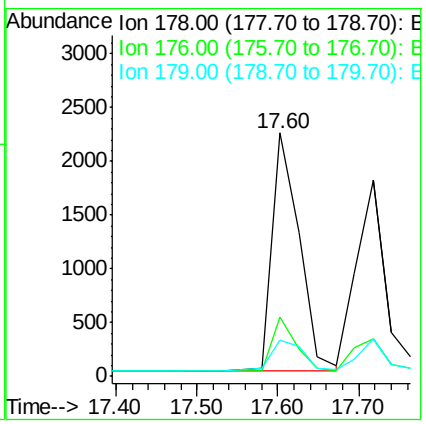




#21
Phenanthrene
Concen: 0.36 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:178 Resp: 5128

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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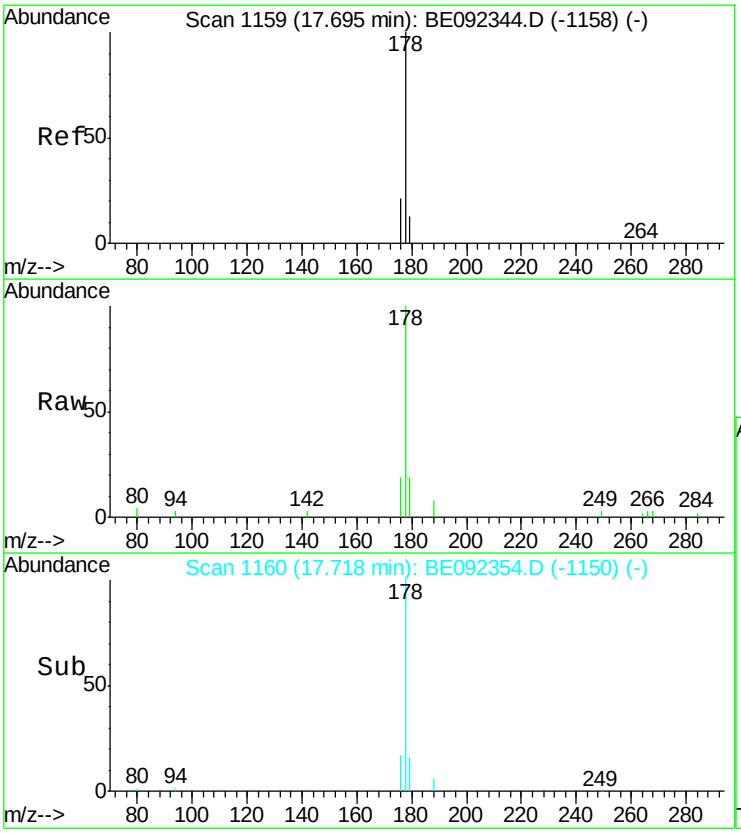
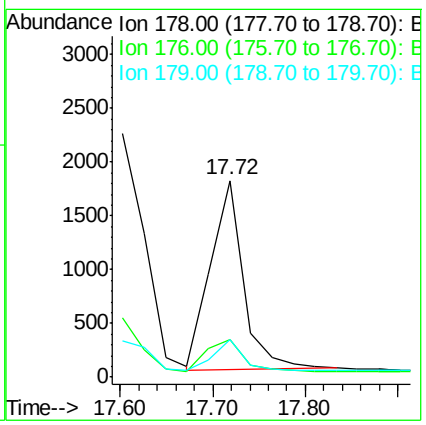
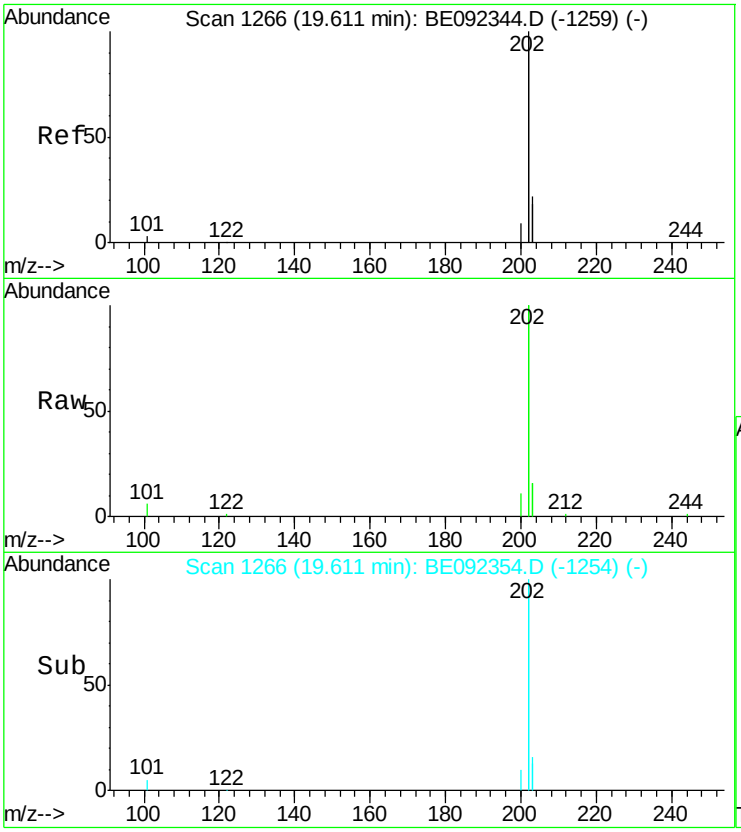


#22
Anthracene
Concen: 0.34 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:178 Resp: 4347

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	14.8	12.2	18.2

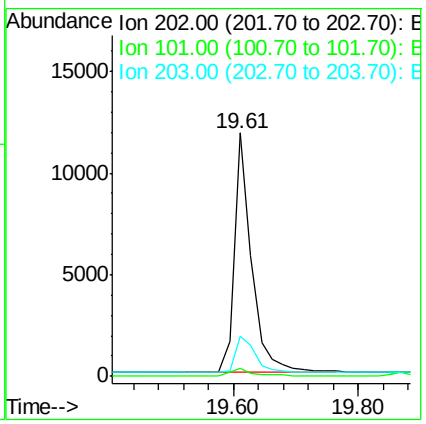




#23
Fluoranthene
Concen: 0.37 ng
RT: 19.61 min Scan# 1266
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:202 Resp: 22739

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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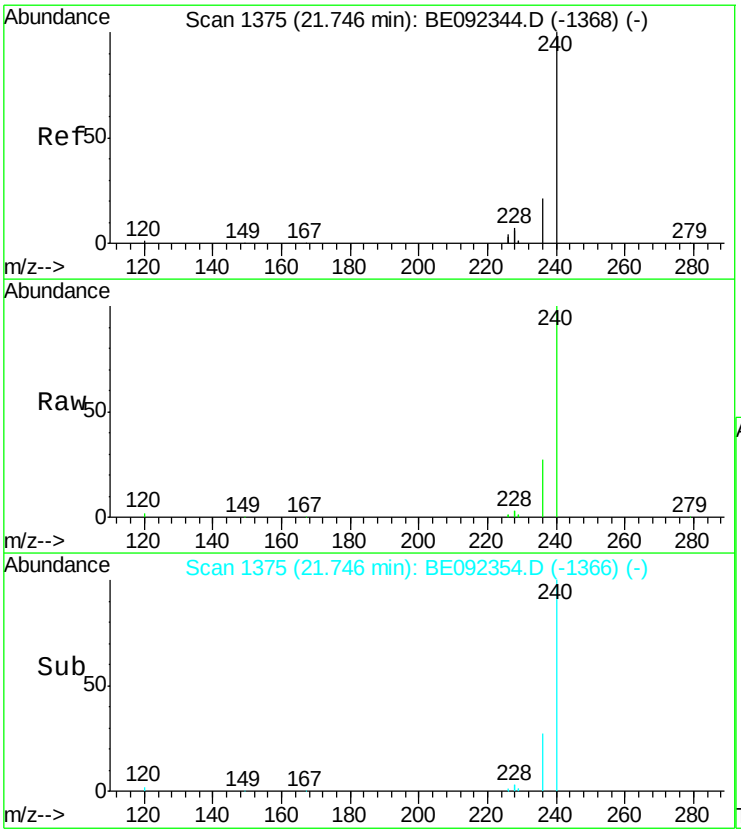
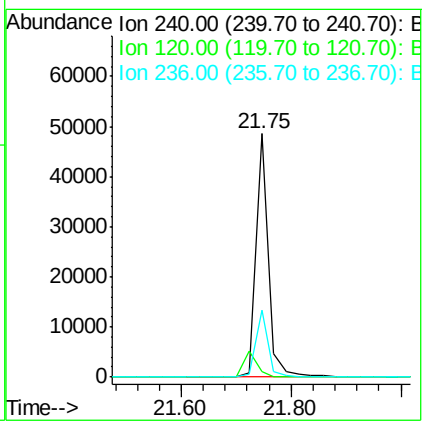
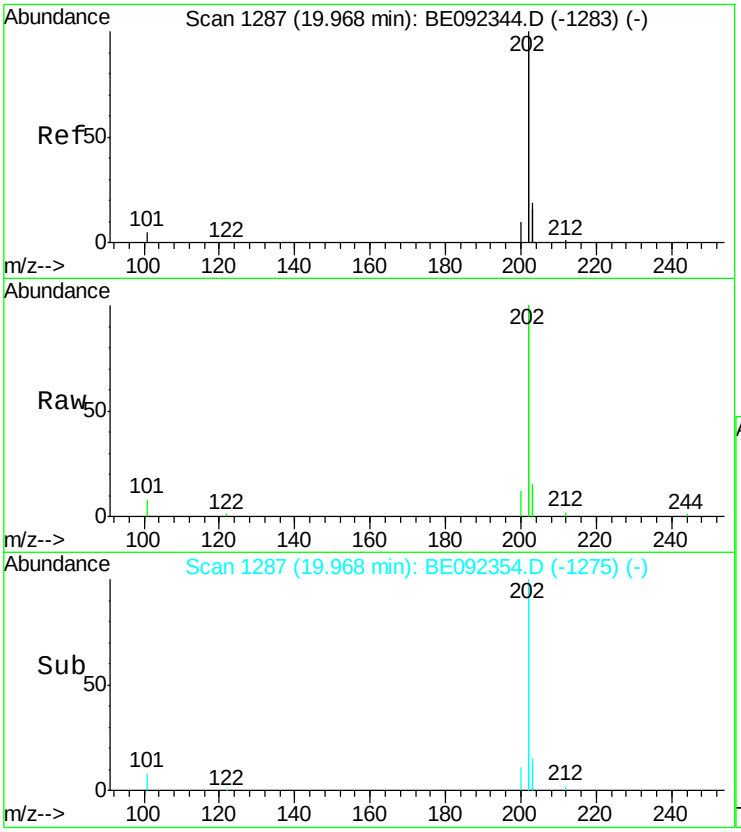


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:240 Resp: 76142

Ion	Ratio	Lower	Upper
240	100		
120	2.2	2.6	4.0#
236	27.3	24.6	37.0





#25
Pyrene
Concen: 0.34 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:202 Resp: 25003

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.4	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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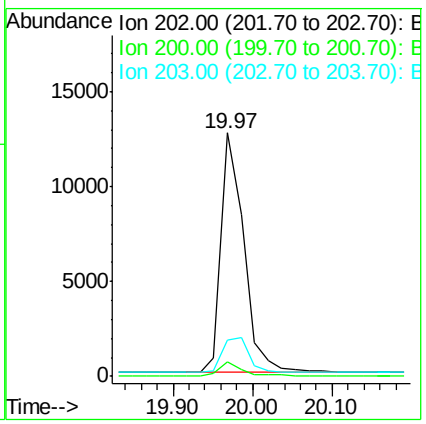
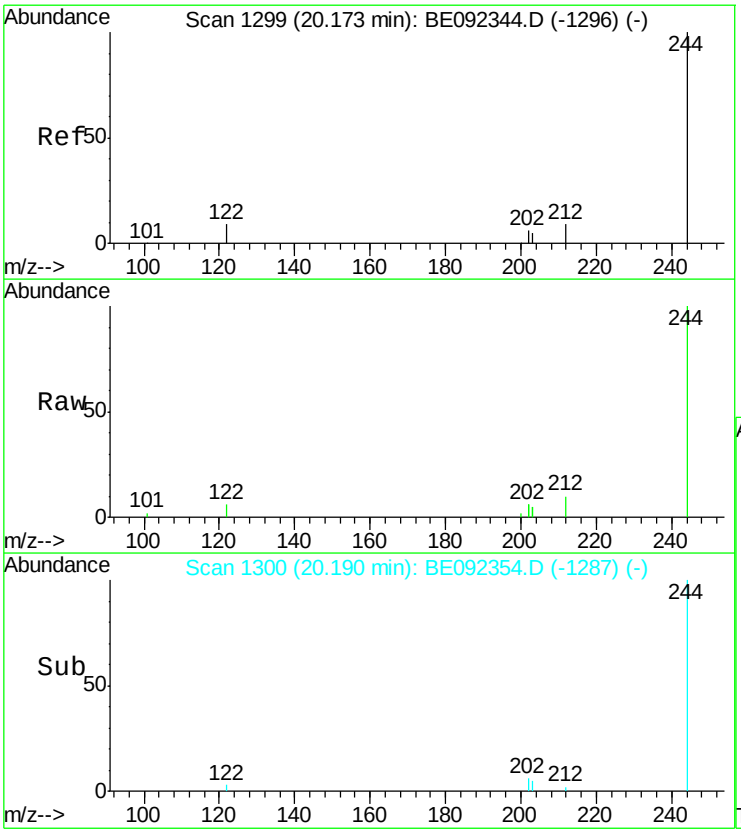
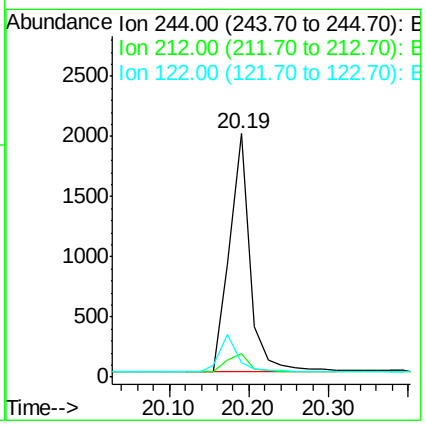


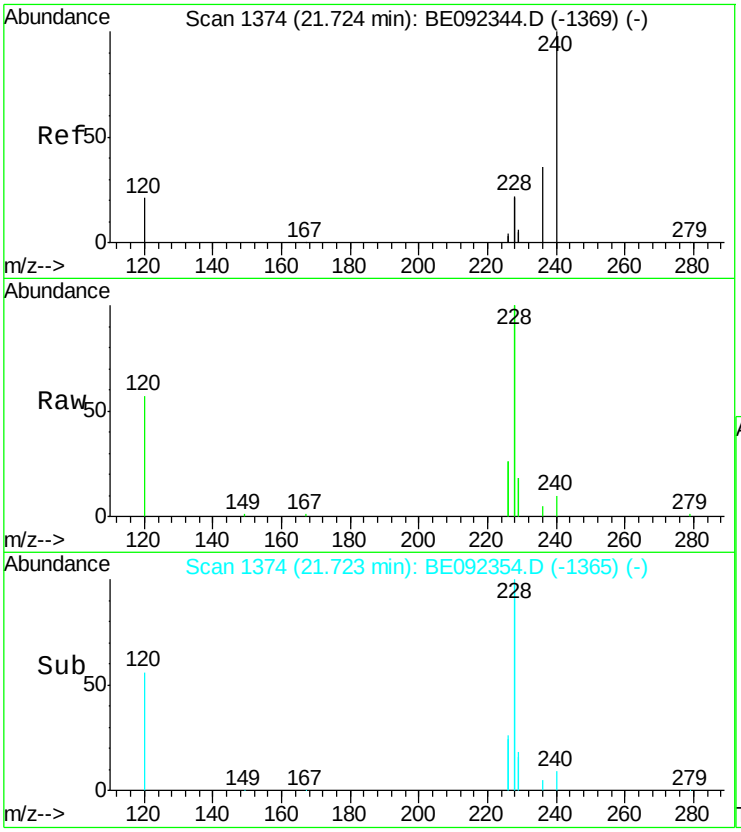


#26
Terphenyl-d14
Concen: 0.32 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:244 Resp: 3589

Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.7	10.1
122	6.1	3.6	5.4#

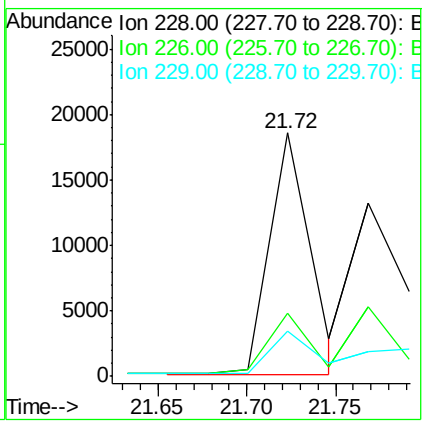




#27
Benzo(a)anthracene
Concen: 0.36 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:228 Resp: 29417

Ion	Ratio	Lower	Upper
228	100		
226	25.9	23.6	35.4
229	18.3	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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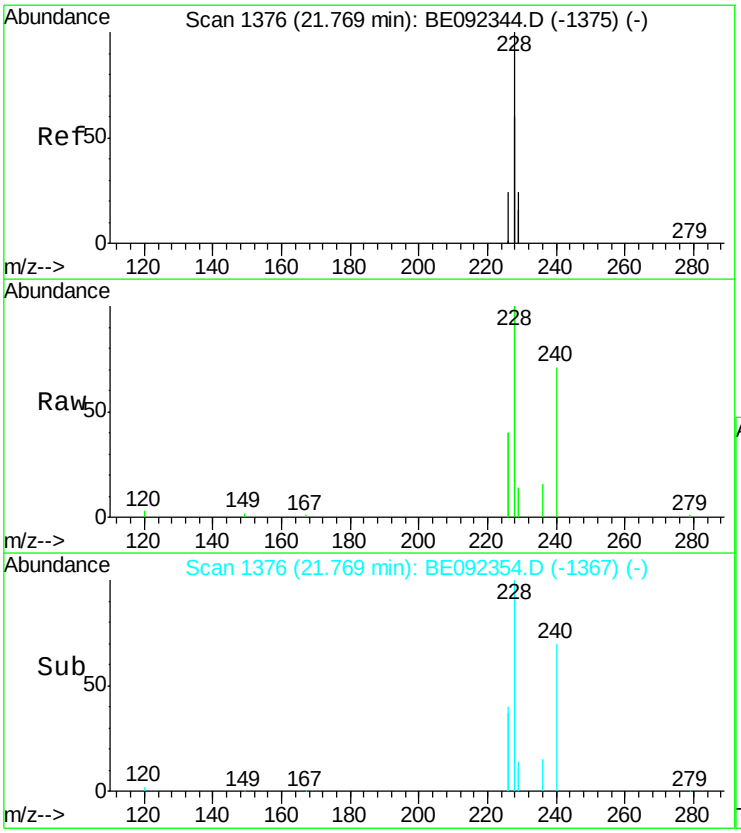
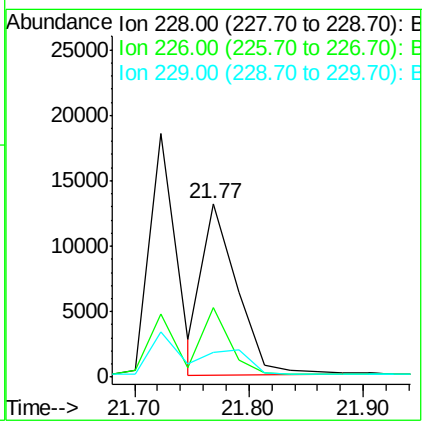
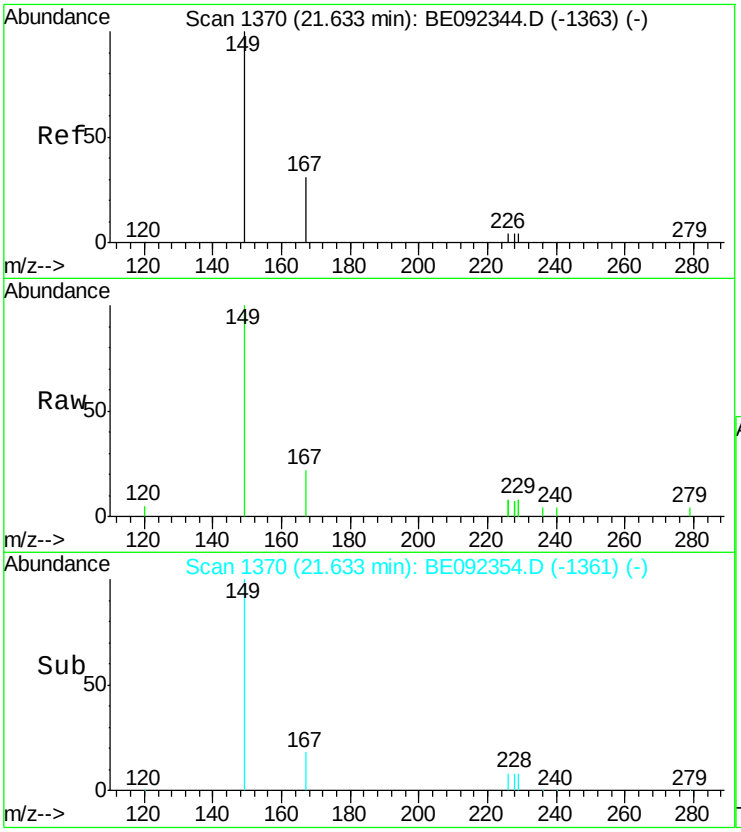


#28
Chrysene
Concen: 0.26 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:228 Resp: 28208

Ion	Ratio	Lower	Upper
228	100		
226	40.1	36.3	54.5
229	14.2	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.23 ng
RT: 21.63 min Scan# 1370
Delta R.T. -0.00 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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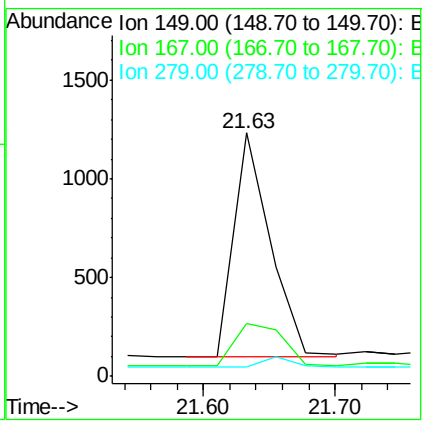
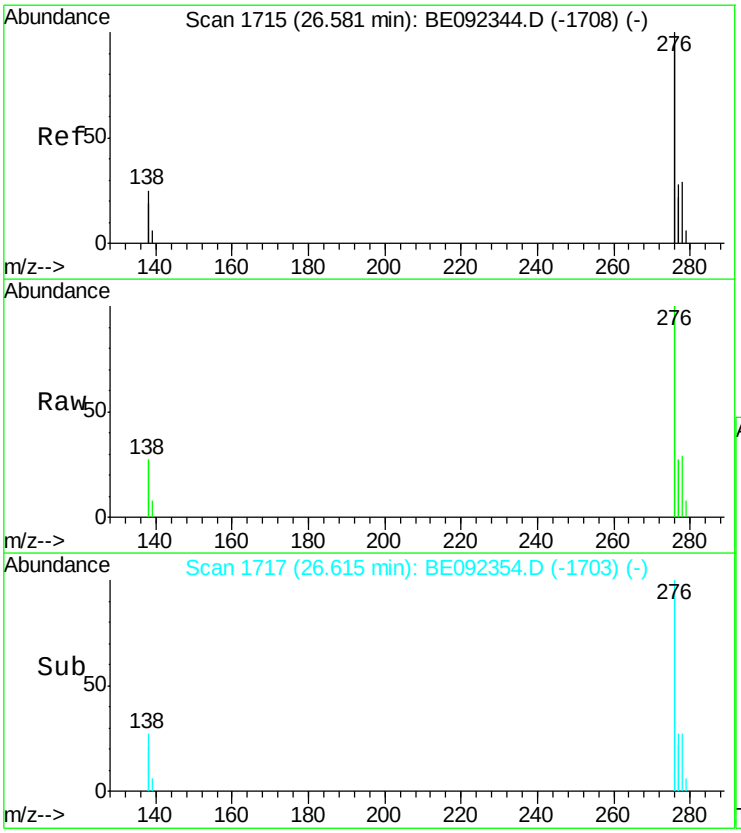
Tgt Ion:149 Resp: 2216

Ion	Ratio	Lower	Upper
149	100		
167	25.3	16.0	24.0#
279	0.0	16.0	24.0#

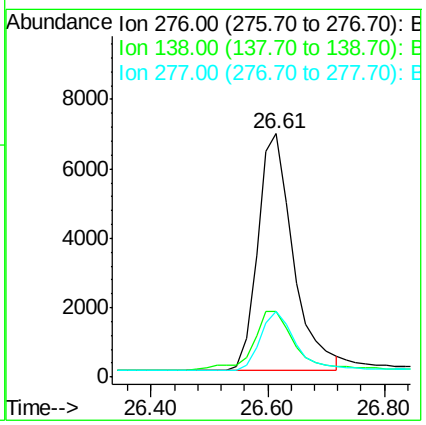


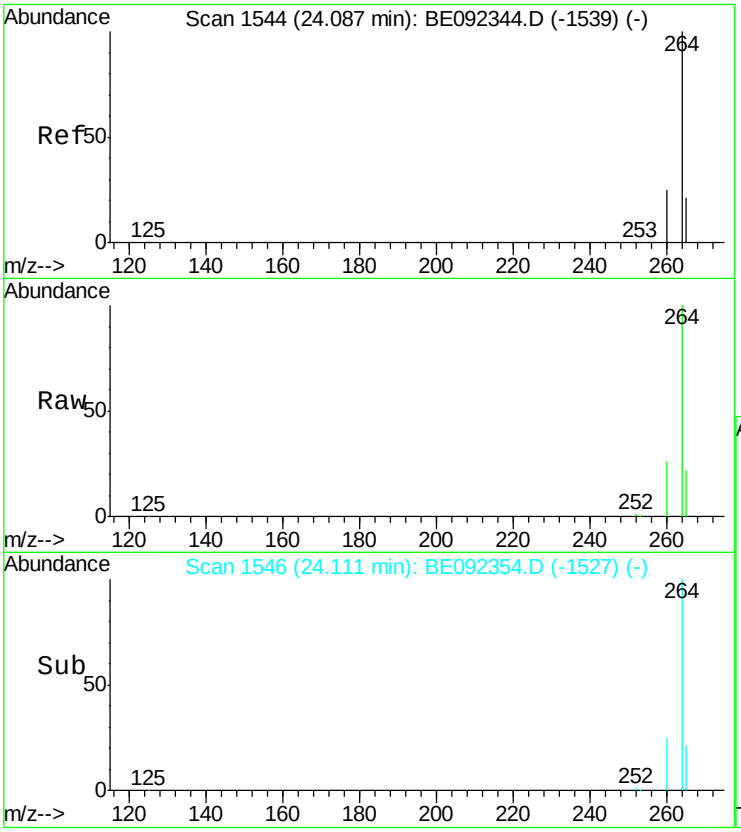


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng
RT: 26.61 min Scan# 1717
Delta R.T. 0.03 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:276 Resp: 28681

Ion	Ratio	Lower	Upper
276	100		
138	28.3	20.3	30.5
277	24.6	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: BE092354.D
Acq: 2 Sep 2016 21:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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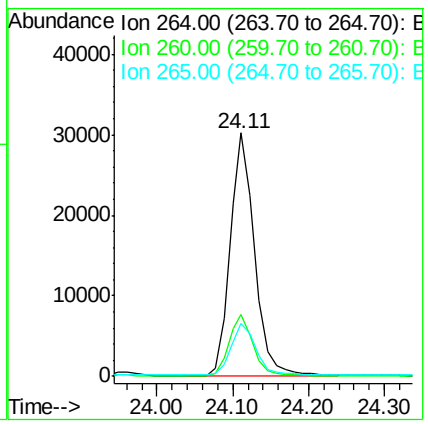
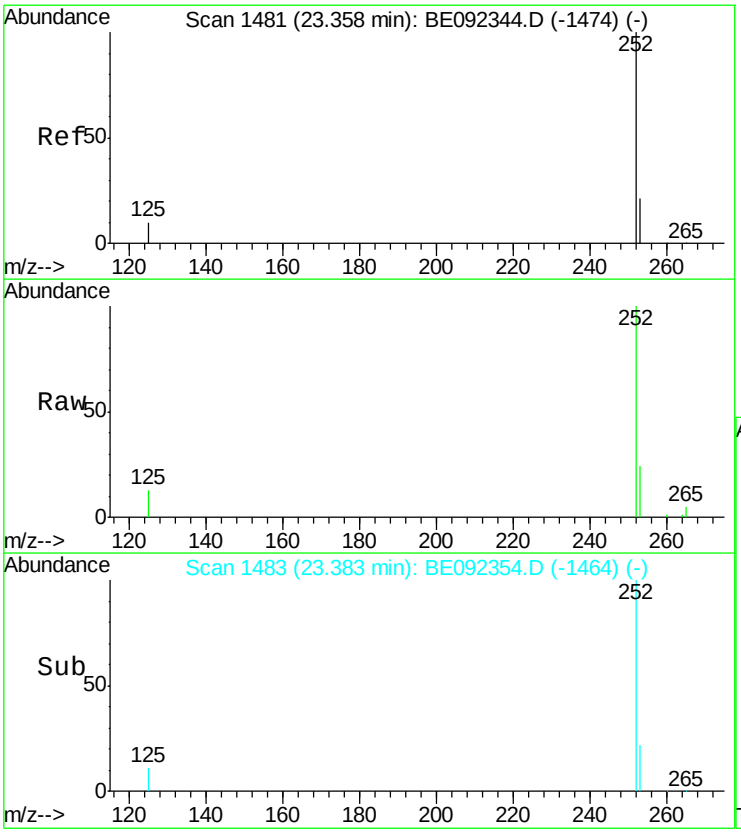
Tgt Ion:264 Resp: 68236

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	21.8	17.9	26.9

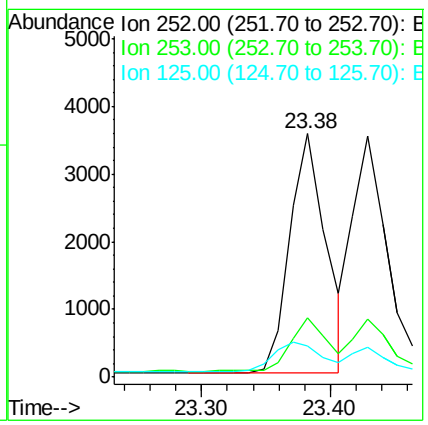


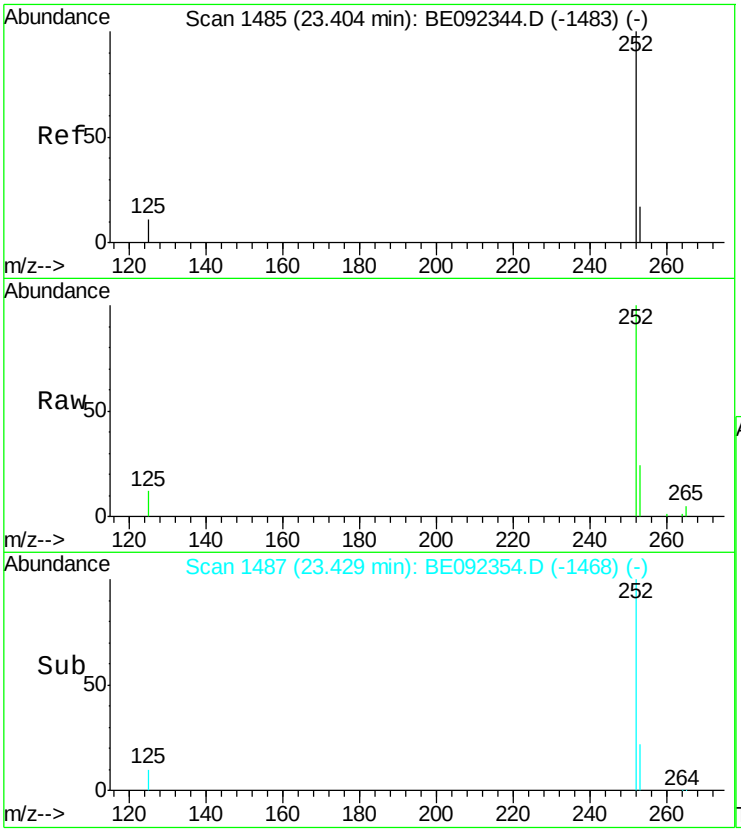


#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.38 min Scan# 1483
Delta R.T. 0.02 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:252 Resp: 6924

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.7	28.1
125	12.9	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:252 Resp: 6817

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.3	30.5
125	12.2	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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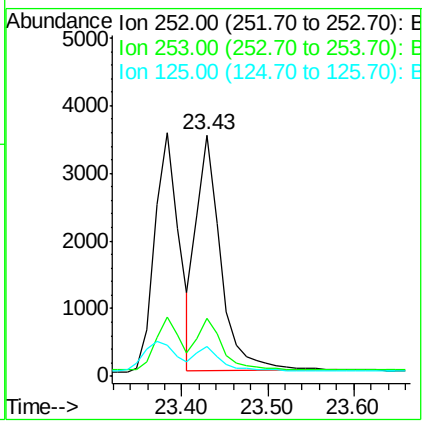
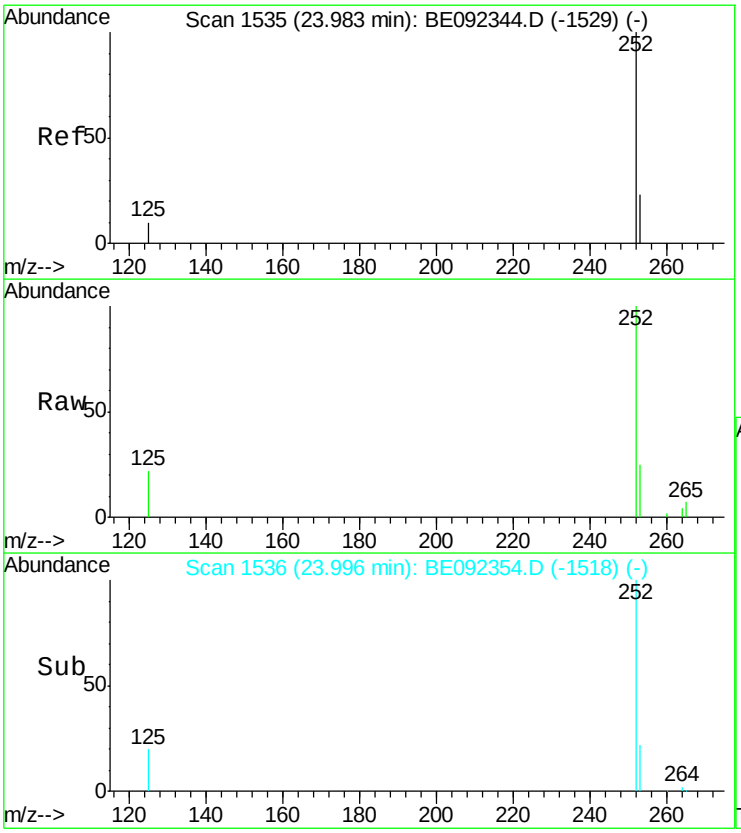
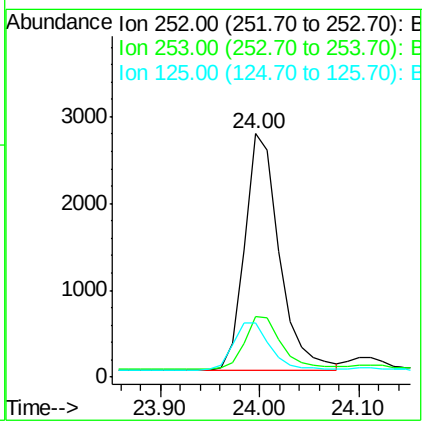


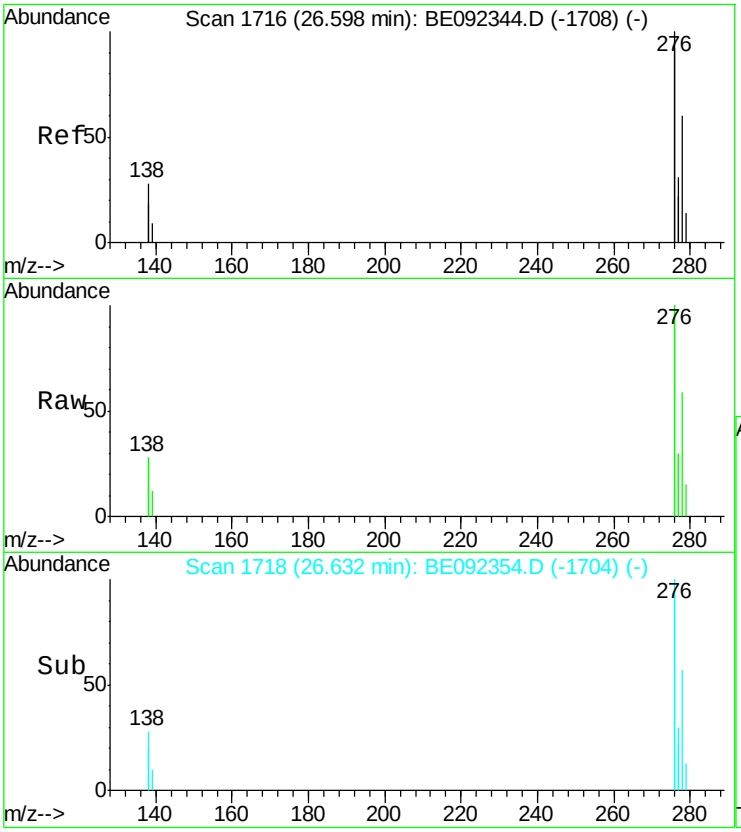


#34
Benzo(a)pyrene
Concen: 0.38 ng
RT: 24.00 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:252 Resp: 6632

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	22.2	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.03 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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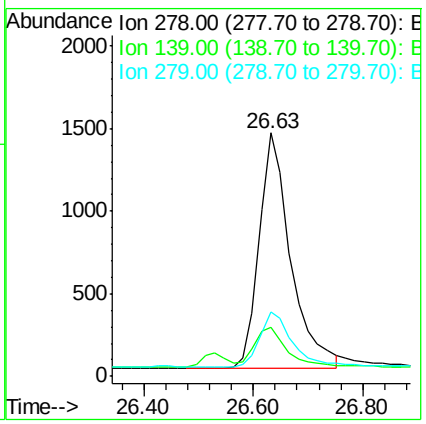
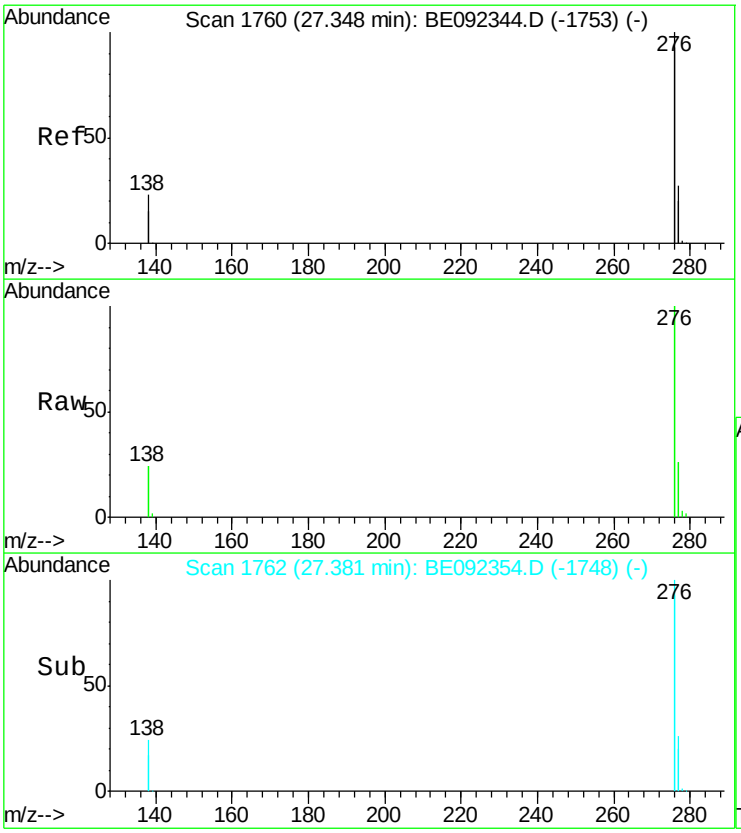
Tgt Ion:278 Resp: 5776

Ion	Ratio	Lower	Upper
278	100		
139	20.0	13.8	20.8
279	26.2	21.4	32.2





#36
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 27.38 min Scan# 1762
Delta R.T. 0.03 min
Lab File: BE092354.D
Acq: 2 Sep 2016 21:44

Tgt Ion:276 Resp: 24670

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.8	29.8
138	23.8	19.8	29.6