Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
Data File : BE092406.D
Acq On : 22 Sep 2016 21:33
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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Quant Time: Sep 23 03:42:56 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	7339	5.00	ng		-0.02
7) Naphthalene-d8	10.95	136	35672	5.00	ng		0.00
12) Acenaphthene-d10	14.82	164	28147	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	61580	5.00	ng		0.02
24) Chrysene-d12	21.75	240	79923	5.00	ng		0.00
31) Perylene-d12	24.12	264	70680	5.00	ng		0.04
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	527	0.41	ng		0.00
5) Phenol-d6	7.36	99	625	0.34	ng		0.00
8) Nitrobenzene-d5	9.36	82	701	0.41	ng		0.00
13) 2,4,6-Tribromophenol	16.33	330	272	0.43	ng		0.01
14) 2-Fluorobiphenyl	13.46	172	2612	0.39	ng		0.01
26) Terphenyl-d14	20.19	244	3779	0.38	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	391	0.39	ng		99
3) n-Nitrosodimethylamine	3.80	42	302	0.44	ng	#	95
6) bis(2-Chloroethyl)ether	7.61	93	496	0.34	ng	#	26
9) Naphthalene	11.01	128	3076	0.40	ng		97
10) Hexachlorobutadiene	11.30	225	489	0.40	ng		99
11) 2-Methylnaphthalene	12.65	142	2006	0.39	ng		97
15) Acenaphthylene	14.53	152	15665	0.38	ng		100
16) Acenaphthene	14.88	154	2506	0.39	ng		96
17) Fluorene	15.87	166	3181	0.39	ng		99
19) Hexachlorobenzene	16.89	284	987	0.37	ng		97
20) Pentachlorophenol	17.26	266	182	0.36	ng	#	87
21) Phenanthrene	17.62	178	5571	0.39	ng	#	74
22) Anthracene	17.72	178	5023	0.37	ng		100
23) Fluoranthene	19.61	202	25020	0.37	ng		100
25) Pyrene	19.99	202	26328	0.38	ng		100
27) Benzo(a)anthracene	21.72	228	29430m	0.38	ng		
28) Chrysene	21.77	228	28268m	0.40	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	2293	0.34	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.63	276	27990	0.37	ng		99
32) Benzo(b)fluoranthene	23.39	252	6792	0.40	ng		97
33) Benzo(k)fluoranthene	23.44	252	6685	0.37	ng		99
34) Benzo(a)pyrene	24.01	252	6381	0.38	ng		100
35) Dibenzo(a,h)anthracene	26.67	278	5725	0.37	ng		98
36) Benzo(g,h,i)perylene	27.40	276	25578	0.39	ng		98

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

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Acq On : 22 Sep 2016 21:33
Operator : UM/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 23 03:42:56 2016
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QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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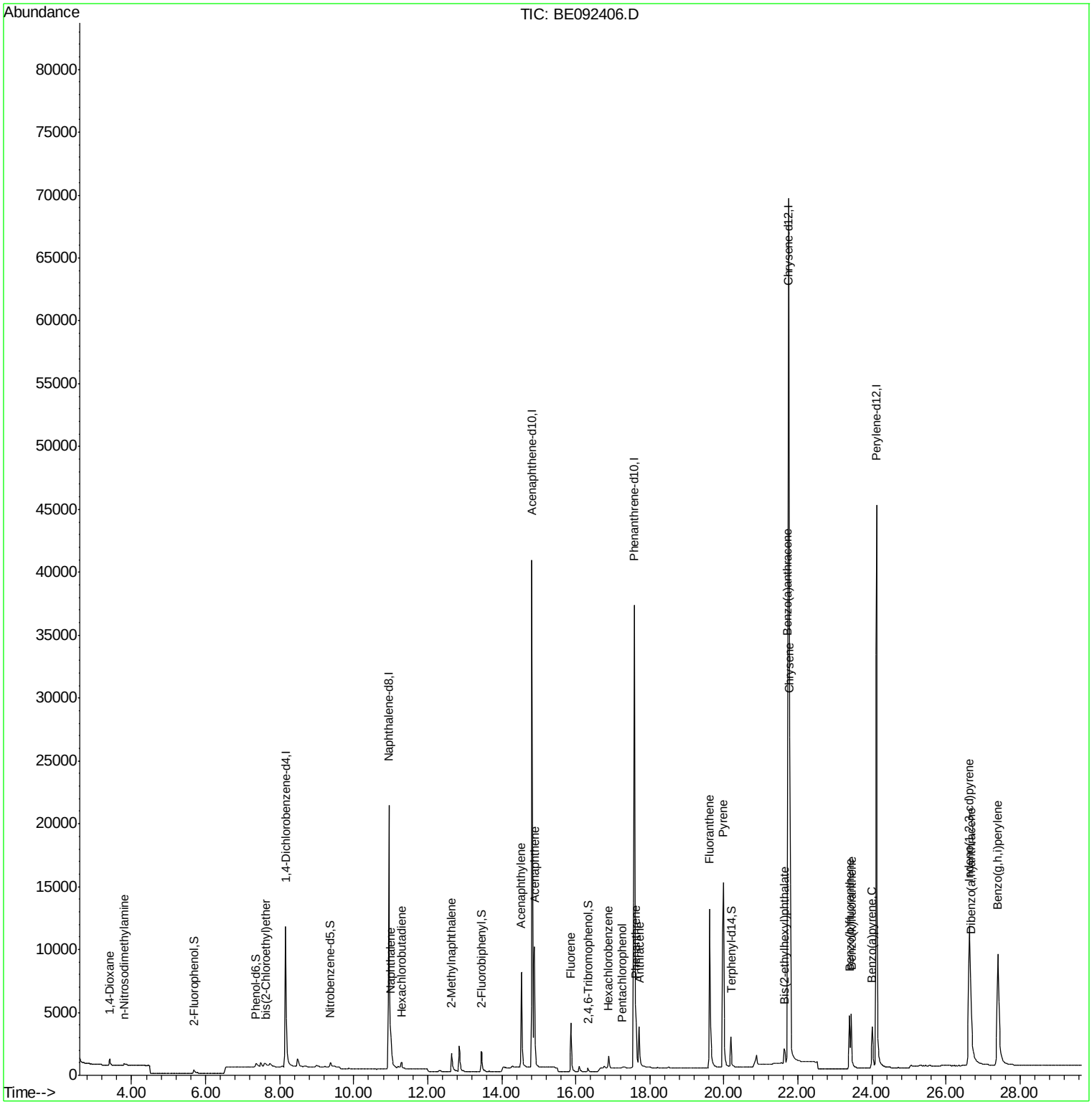
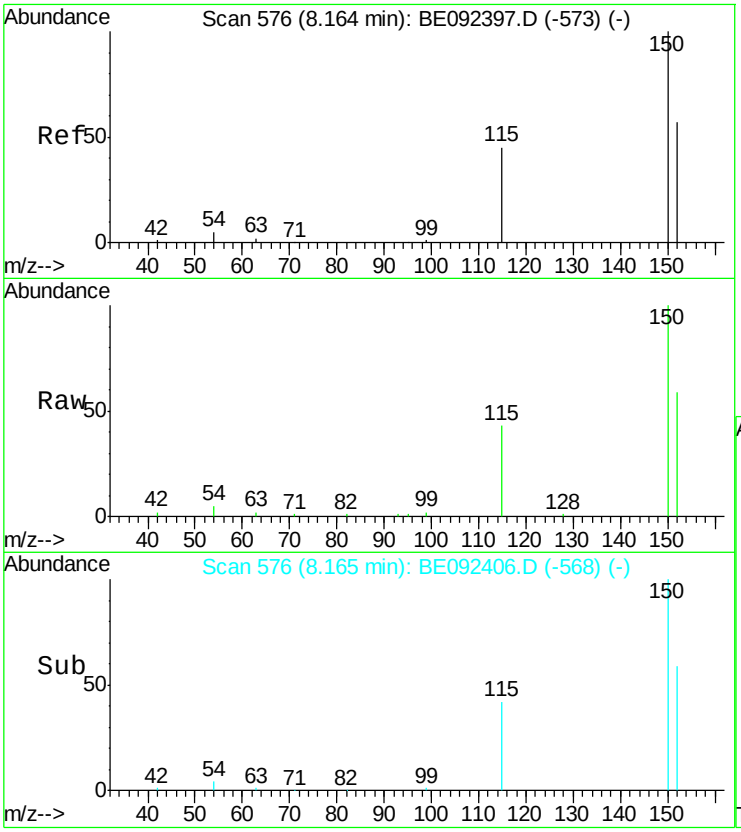
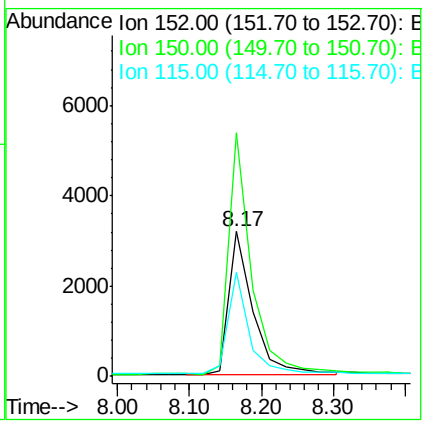




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:152 Resp: 7339

Ion	Ratio	Lower	Upper
152	100		
150	168.4	106.0	159.0#
115	71.8	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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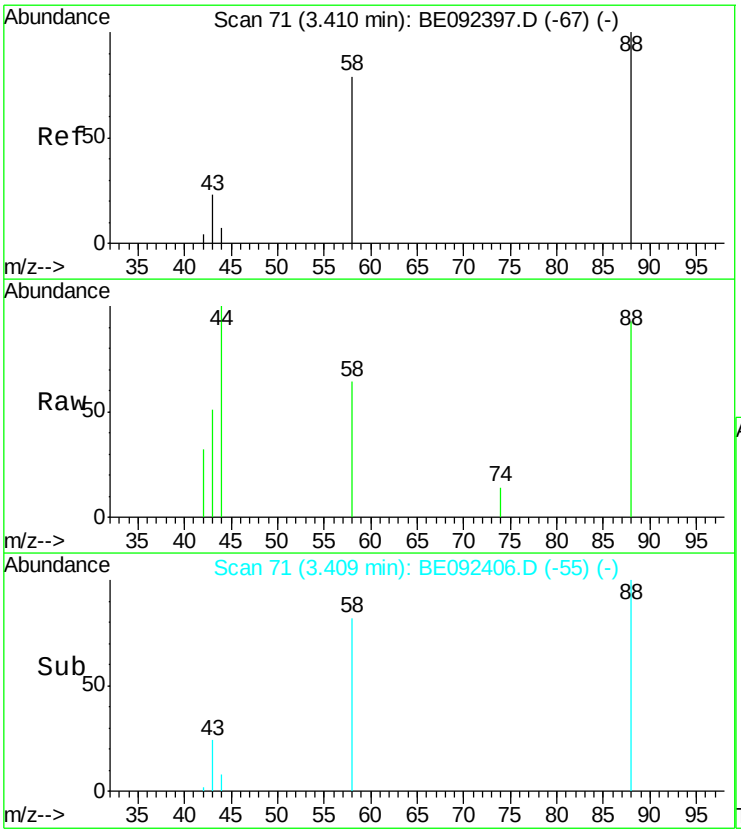
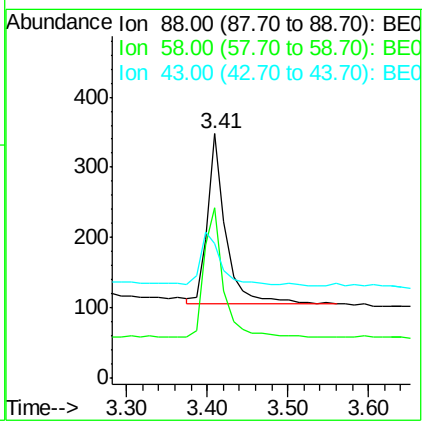
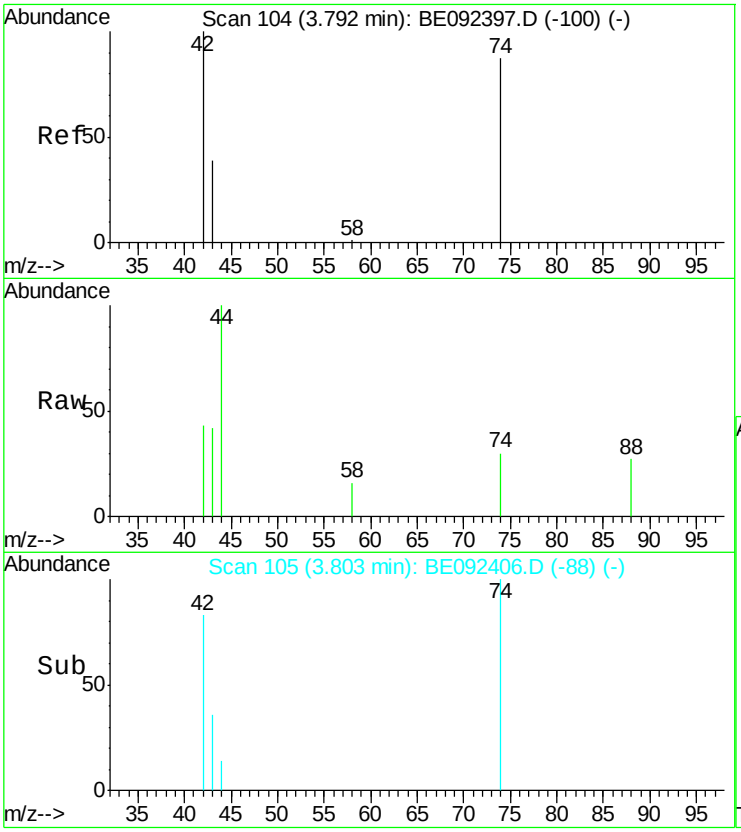


#2
1,4-Dioxane
Concen: 0.39 ng
RT: 3.41 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion: 88 Resp: 391

Ion	Ratio	Lower	Upper
88	100		
58	80.3	63.6	95.4
43	34.0	28.0	42.0

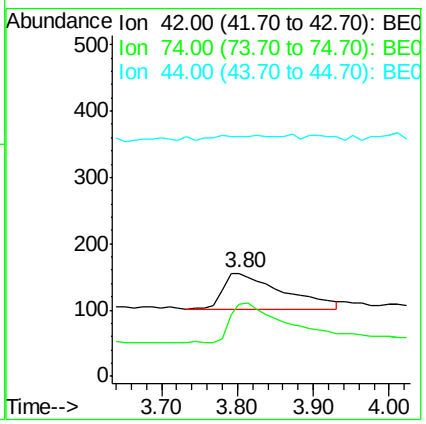




#3
n-Nitrosodimethylamine
Concen: 0.44 ng
RT: 3.80 min Scan# 105
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion: 42 Resp: 302

Ion	Ratio	Lower	Upper
42	100		
74	103.6	86.0	129.0
44	0.0	5.1	7.7#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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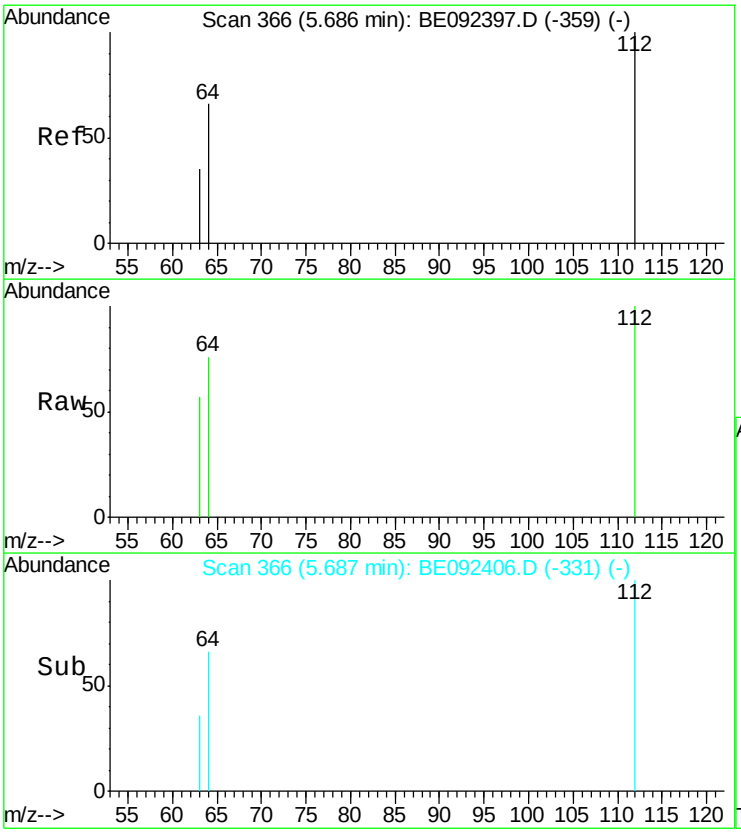
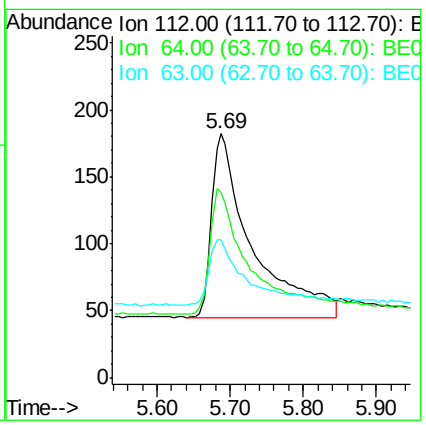
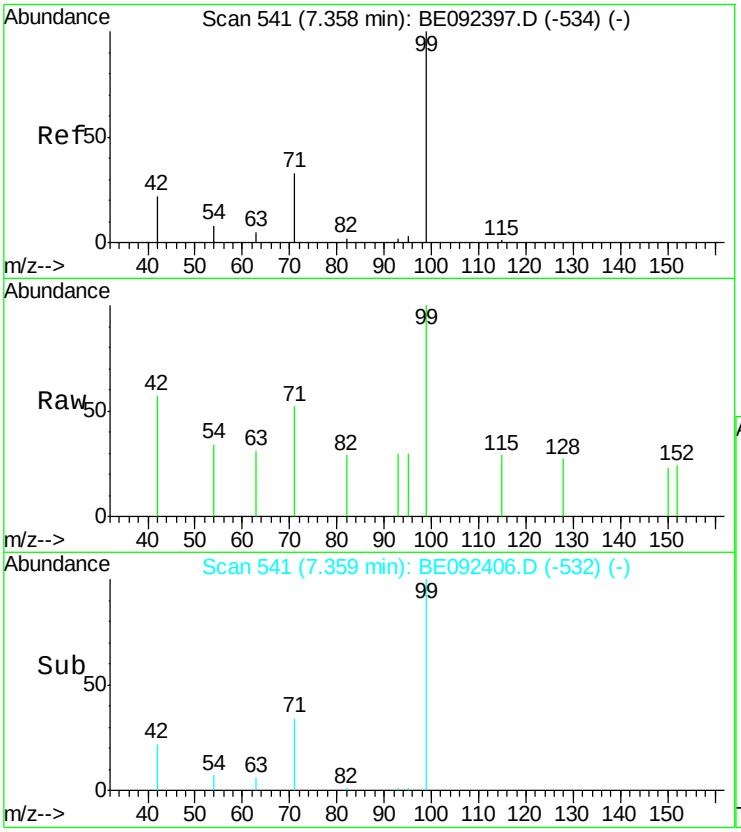


#4
2-Fluorophenol
Concen: 0.41 ng
RT: 5.69 min Scan# 366
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:112 Resp: 527

Ion	Ratio	Lower	Upper
112	100		
64	65.7	53.5	80.3
63	35.3	27.9	41.9

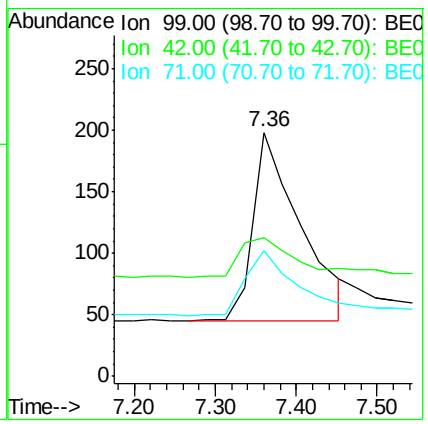




#5
Phenol-d6
Concen: 0.34 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion: 99 Resp: 625

Ion	Ratio	Lower	Upper
99	100		
42	23.5	16.0	24.0
71	37.6	30.6	45.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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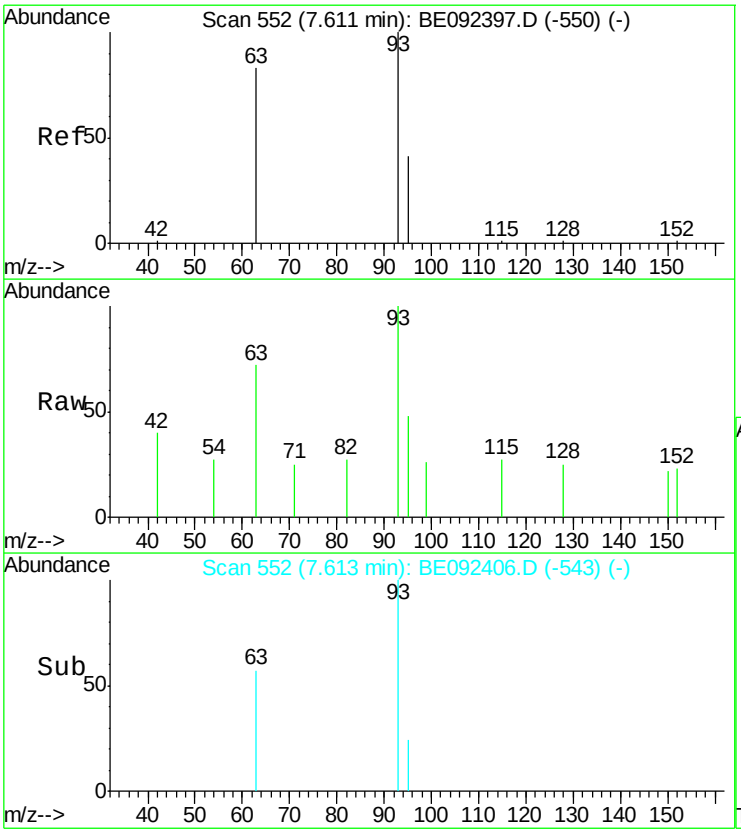
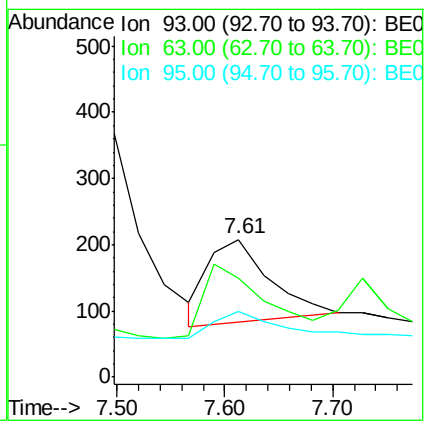
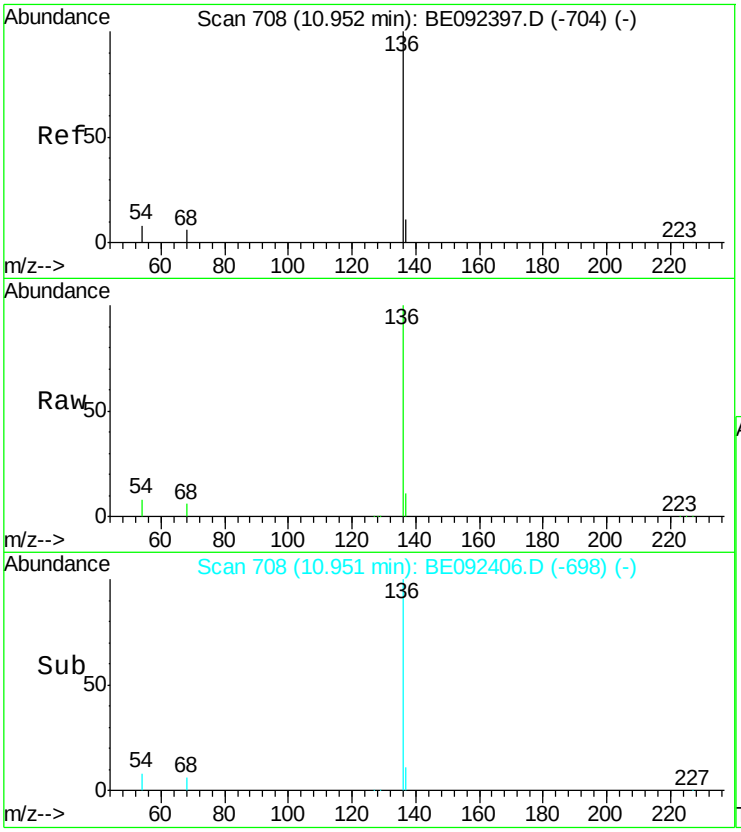


#6
bis(2-Chloroethyl)ether
Concen: 0.34 ng
RT: 7.61 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion: 93 Resp: 496

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	36.3	24.0	36.0#

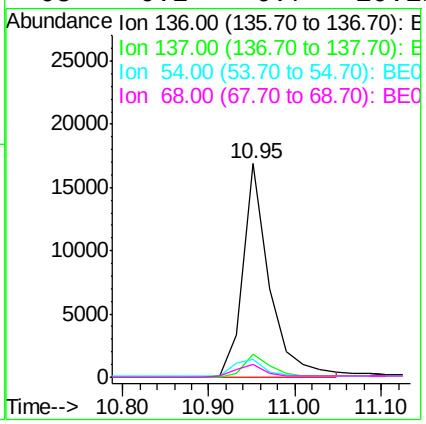




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:136 Resp: 35672

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.2	12.4
54	8.4	9.6	14.4#
68	6.2	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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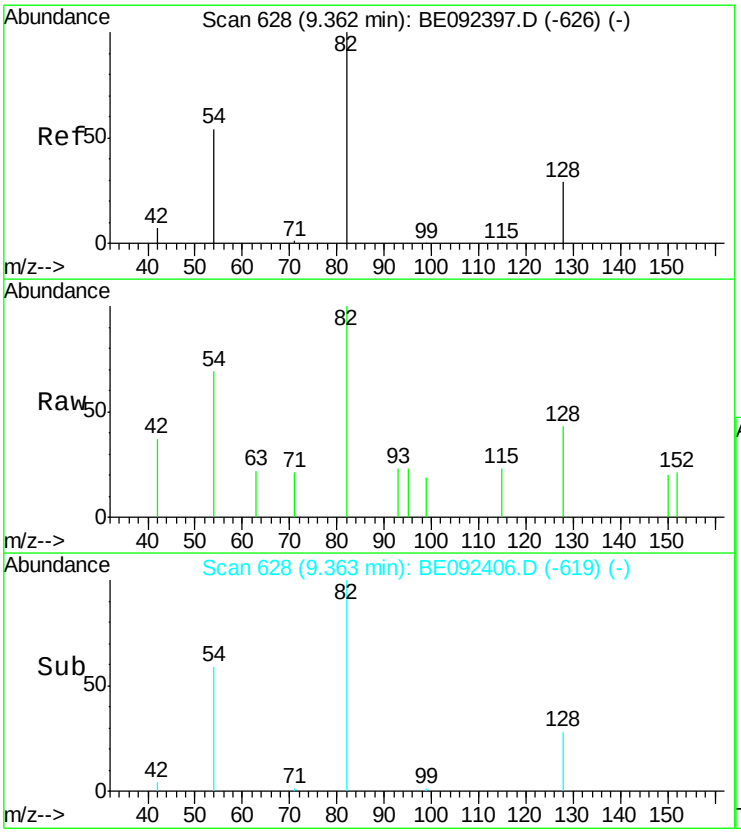
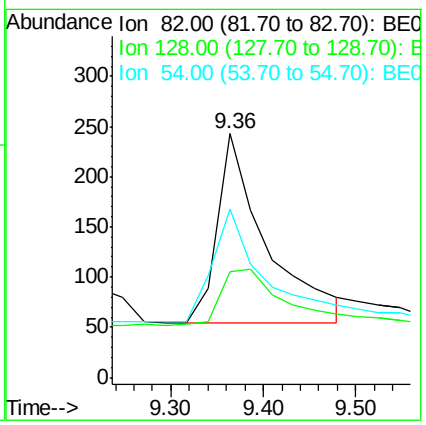
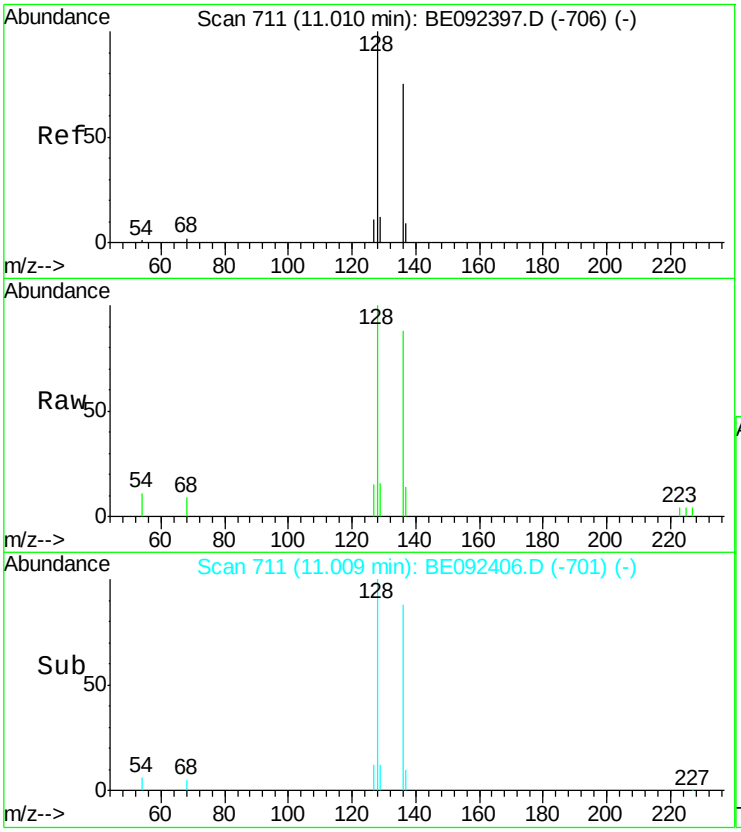


#8
Nitrobenzene-d5
Concen: 0.41 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion: 82 Resp: 701

Ion	Ratio	Lower	Upper
82	100		
128	43.2	39.0	58.4
54	69.1	44.8	67.2#

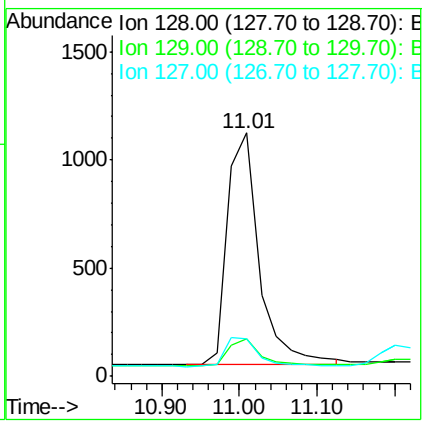




#9
Naphthalene
Concen: 0.40 ng
RT: 11.01 min Scan# 711
Delta R.T. -0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:128 Resp: 3076

Ion	Ratio	Lower	Upper
128	100		
129	15.6	11.2	16.8
127	15.2	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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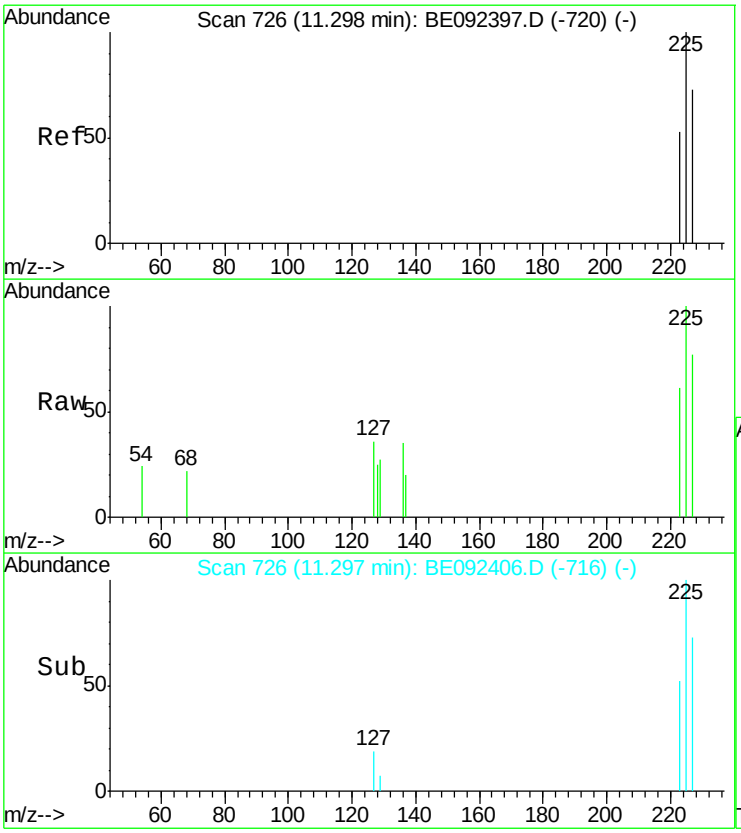
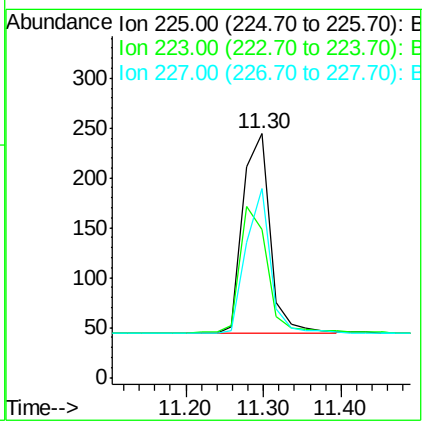
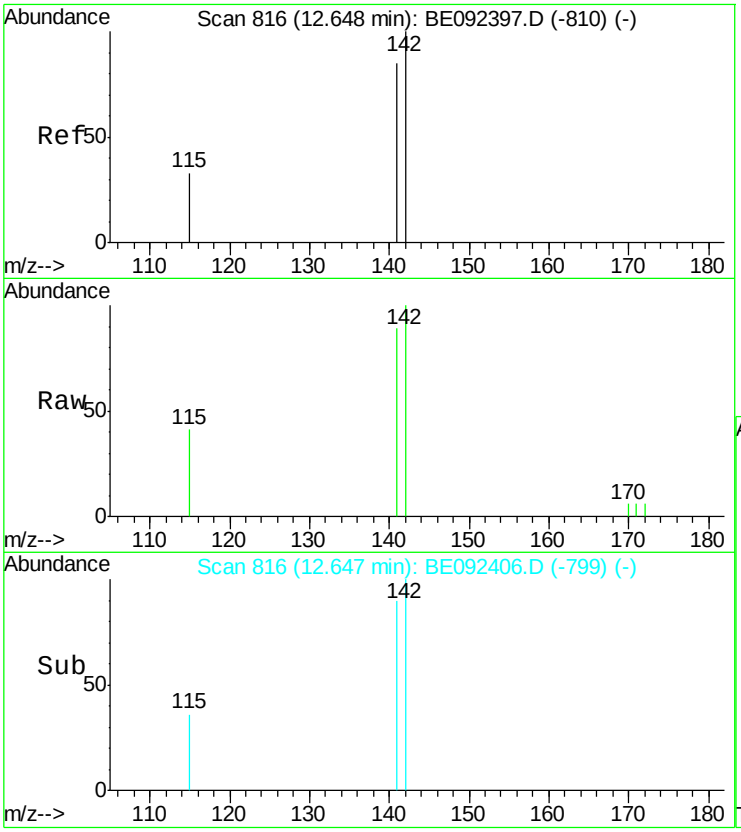


#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.30 min Scan# 726
Delta R.T. -0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:225 Resp: 489

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	66.1	51.4	77.0

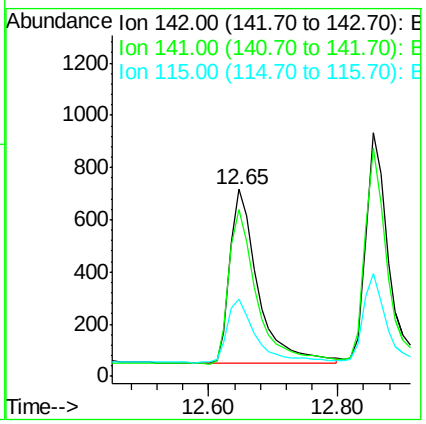




#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.65 min Scan# 816
Delta R.T. -0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:142 Resp: 2006

Ion	Ratio	Lower	Upper
142	100		
141	89.4	73.7	110.5
115	41.0	34.0	51.0



Instrument :
BNA_E
ClientSampleId :
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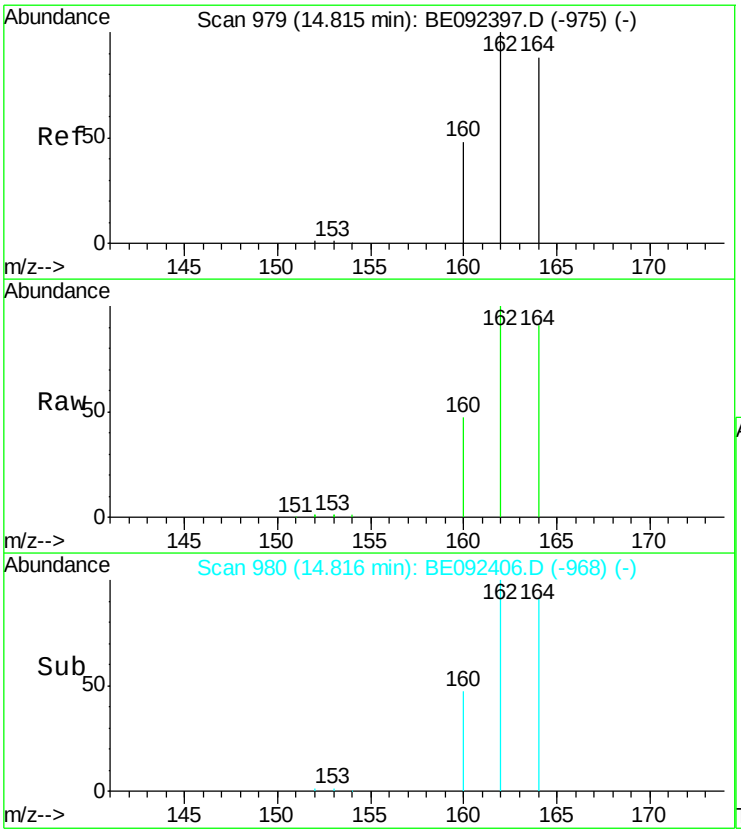
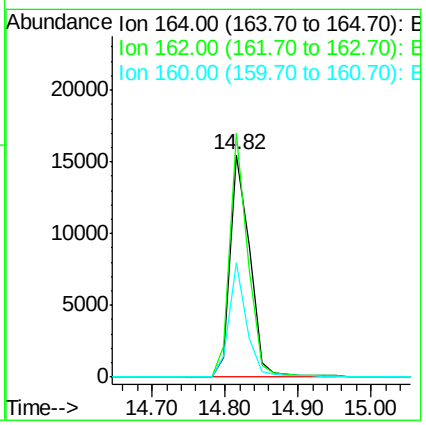
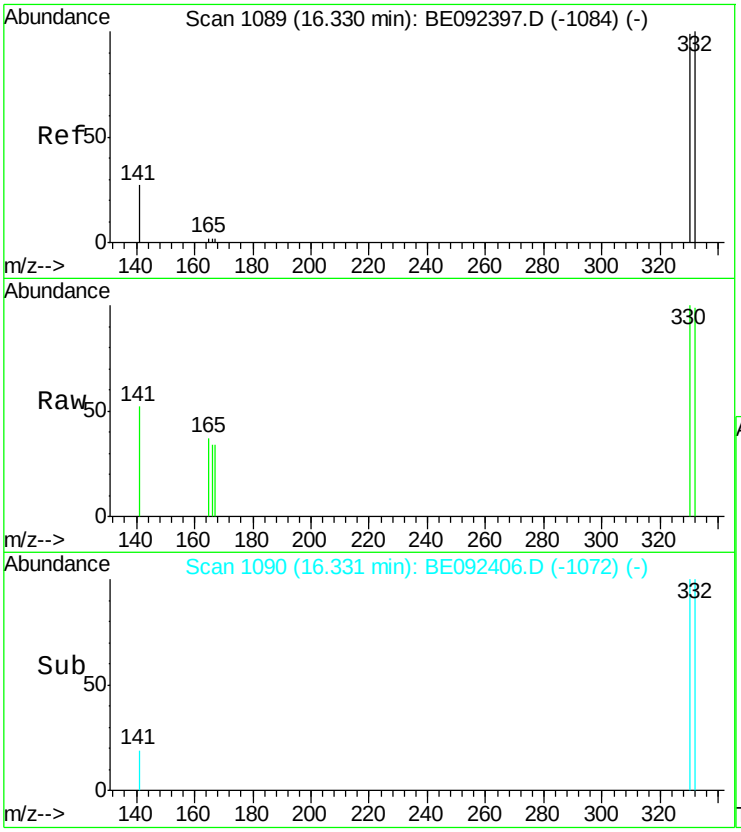


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:164 Resp: 28147

Ion	Ratio	Lower	Upper
164	100		
162	109.7	71.4	107.0#
160	51.7	27.4	41.2#

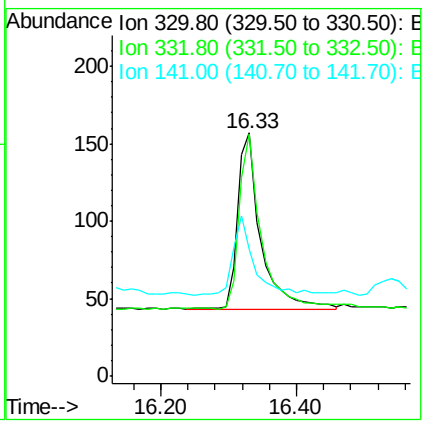




#13
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 16.33 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:330 Resp: 272

Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.4	113.0
141	41.9	31.0	46.6



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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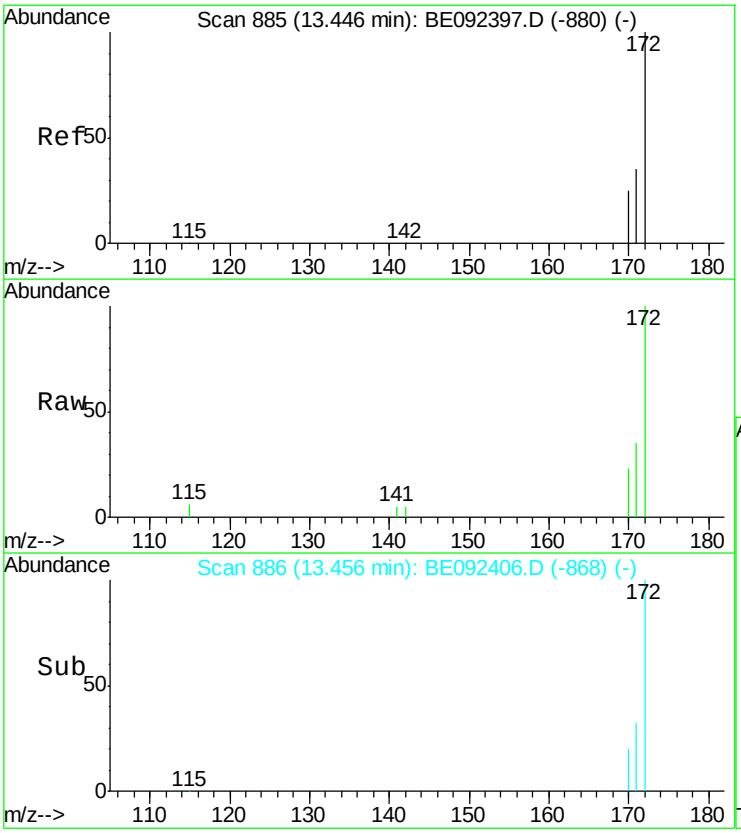
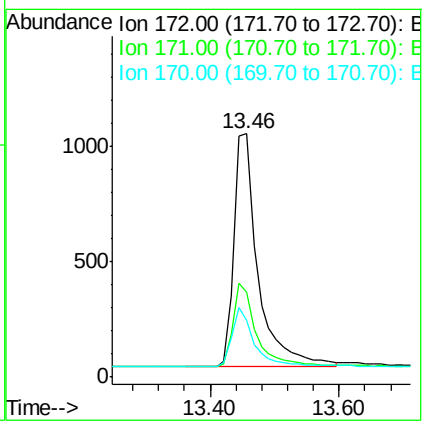
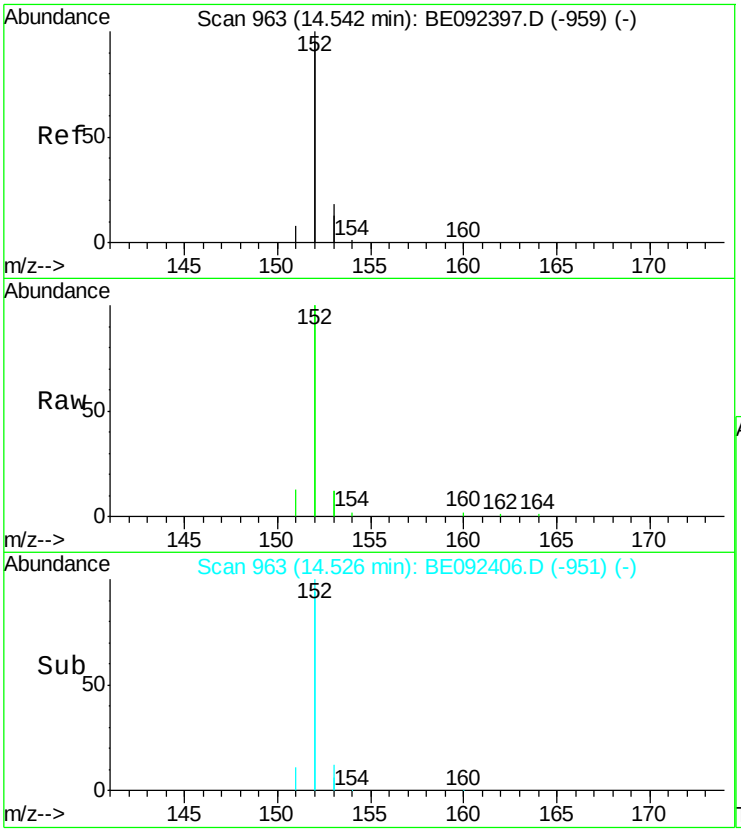


#14
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.46 min Scan# 886
Delta R.T. 0.01 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:172 Resp: 2612

Ion	Ratio	Lower	Upper
172	100		
171	34.7	30.1	45.1
170	23.4	21.8	32.6

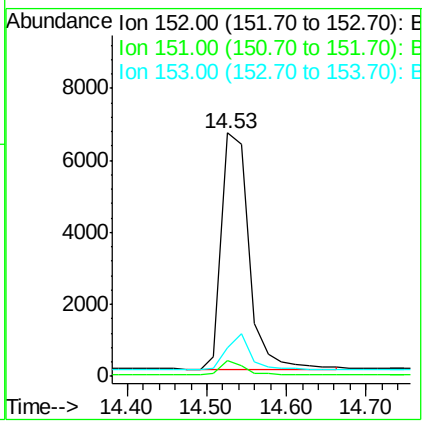




#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:152 Resp: 15665

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



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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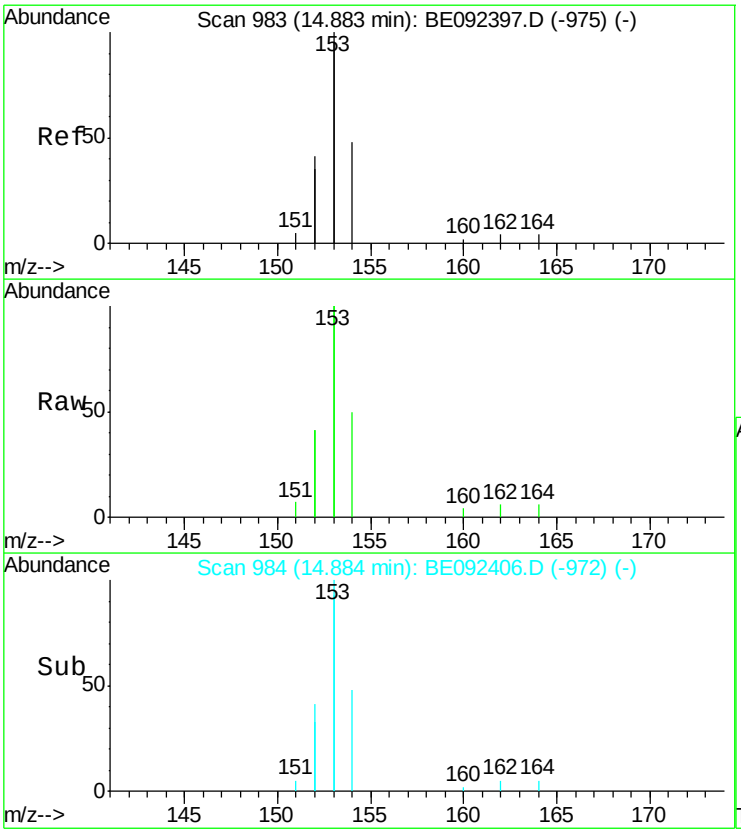
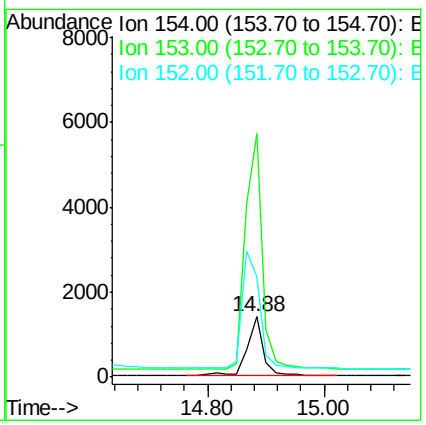
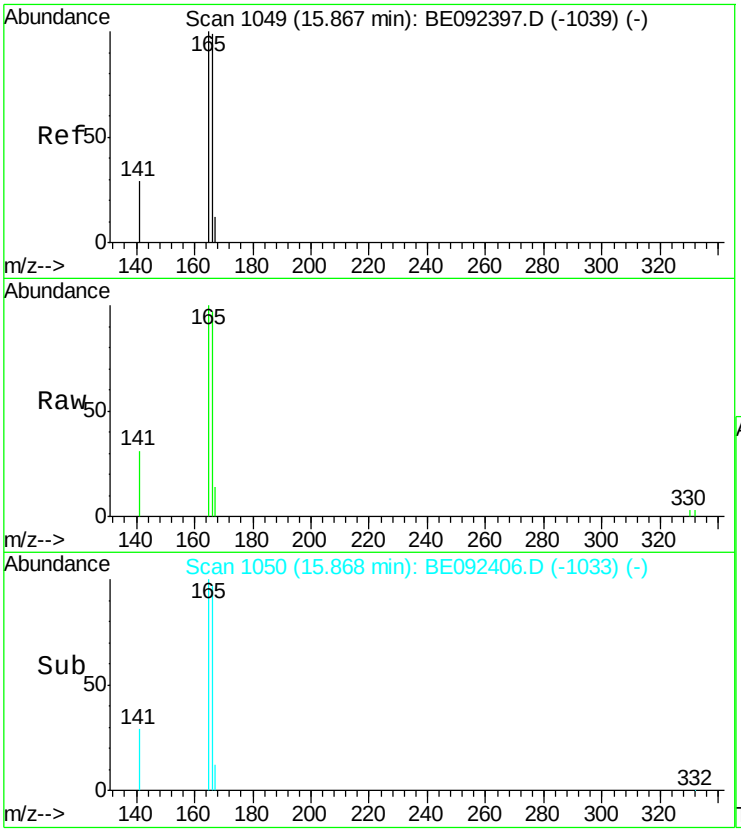


#16
Acenaphthene
Concen: 0.39 ng
RT: 14.88 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:154 Resp: 2506

Ion	Ratio	Lower	Upper
154	100		
153	445.1	350.8	526.2
152	226.3	171.1	256.7





#17
Fluorene
Concen: 0.39 ng
RT: 15.87 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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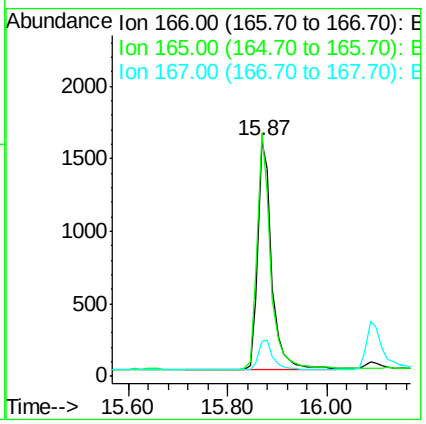
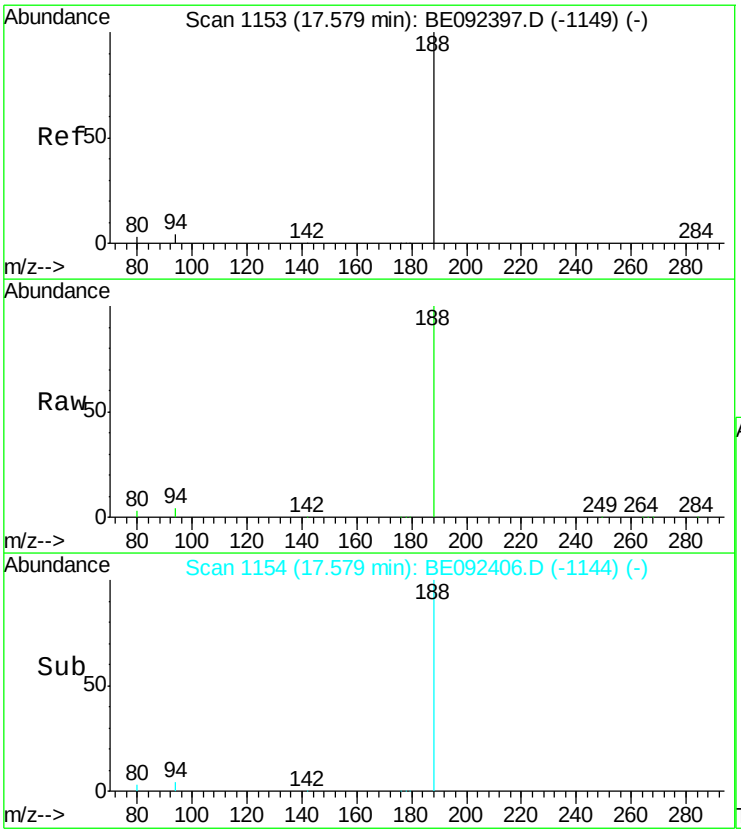
Tgt Ion:166 Resp: 3181

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.2	117.4
167	13.7	11.0	16.4

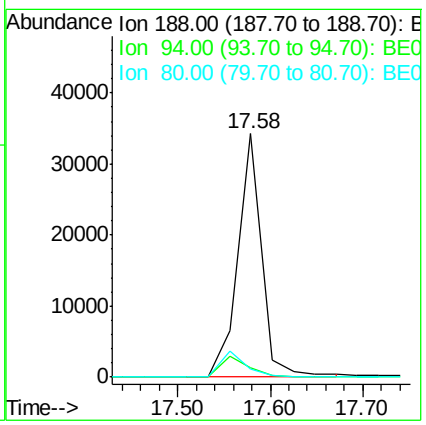


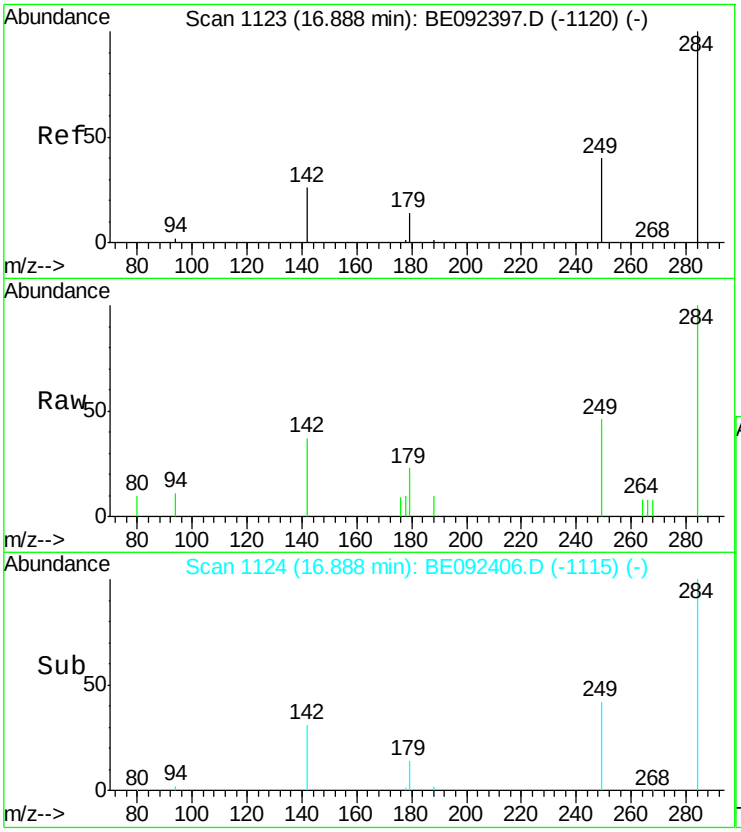


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:188 Resp: 61580

Ion	Ratio	Lower	Upper
188	100		
94	4.0	3.2	4.8
80	3.5	2.6	3.8

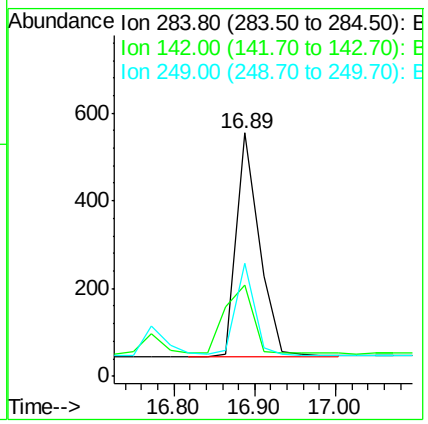




#19
Hexachlorobenzene
Concen: 0.37 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:284 Resp: 987

Ion	Ratio	Lower	Upper
284	100		
142	38.8	29.1	43.7
249	34.3	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
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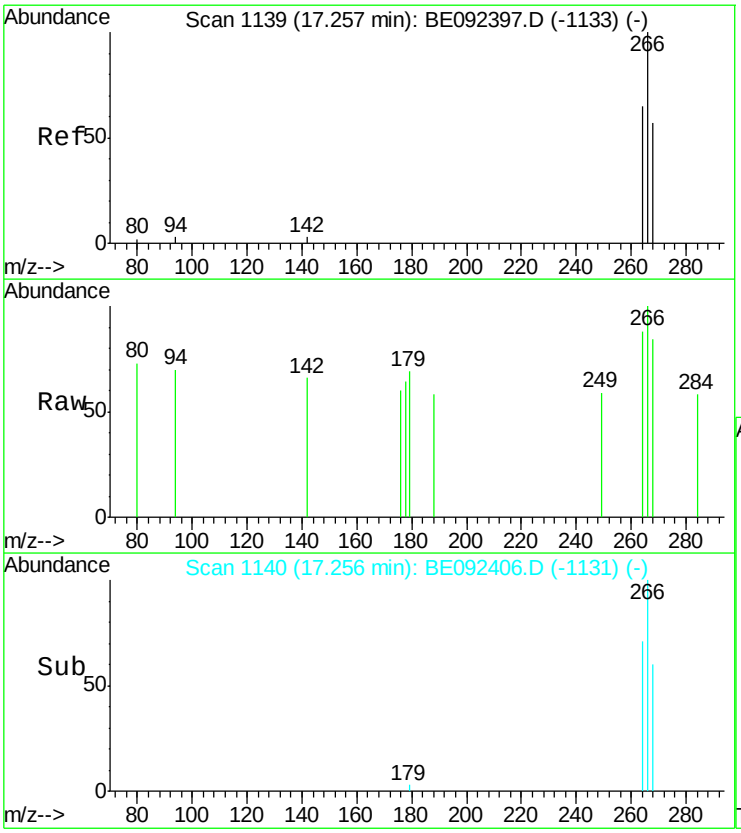
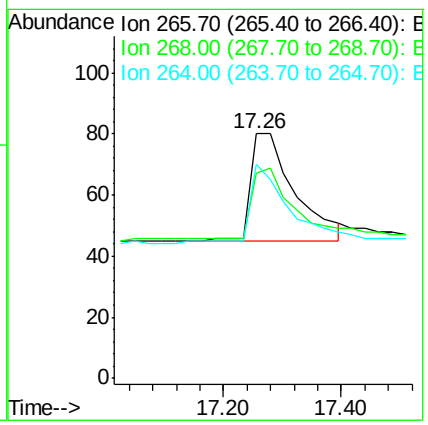
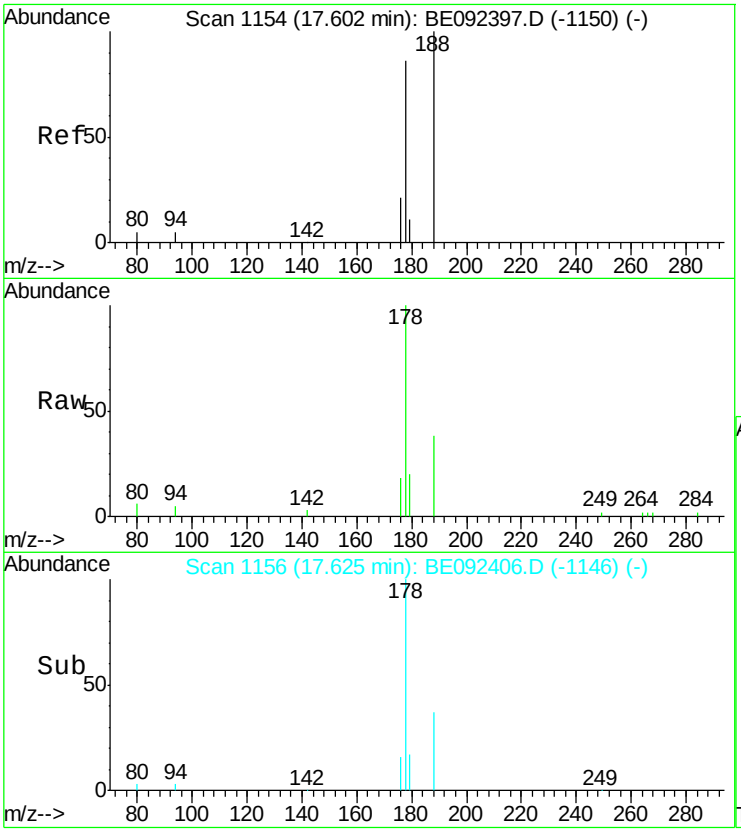


#20
Pentachlorophenol
Concen: 0.36 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:266 Resp: 182

Ion	Ratio	Lower	Upper
266	100		
268	83.7	62.5	93.7
264	87.5	57.2	85.8#





#21
Phenanthrene
Concen: 0.39 ng
RT: 17.62 min Scan# 1156
Delta R.T. 0.02 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:178 Resp: 5571

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	16.3	16.0	24.0

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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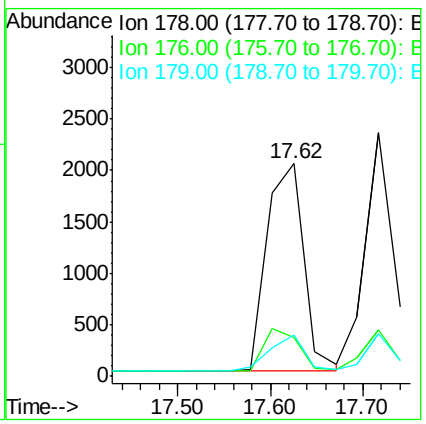
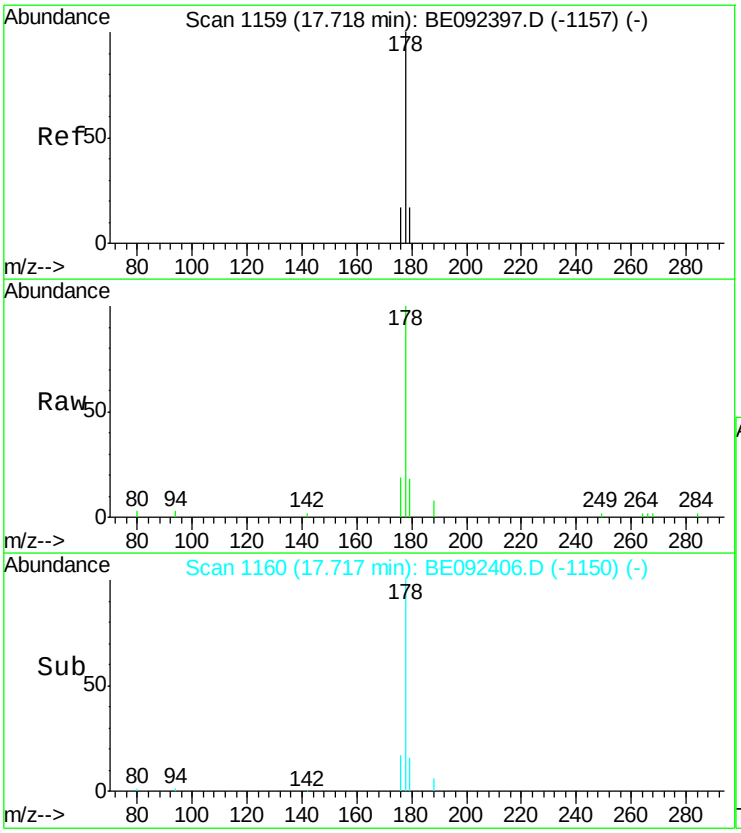
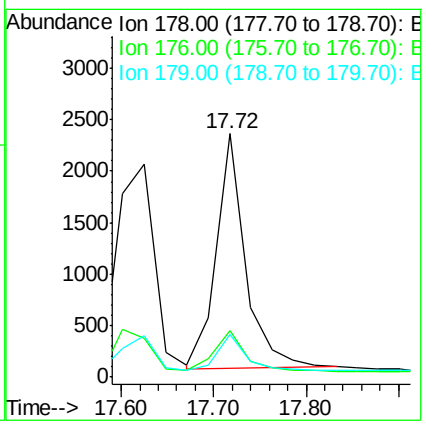


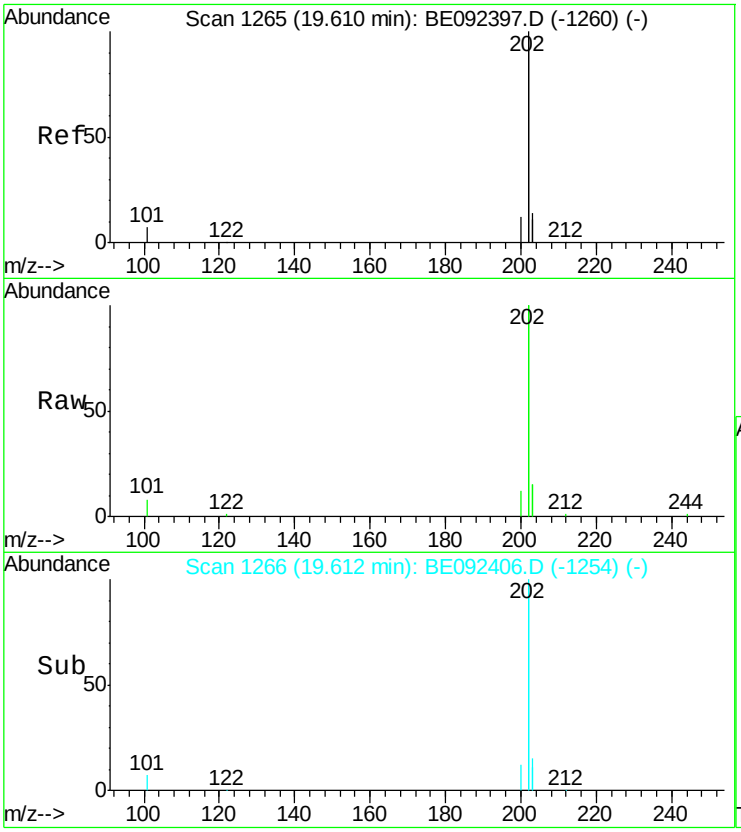


#22
Anthracene
Concen: 0.37 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:178 Resp: 5023

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	14.9	12.2	18.2

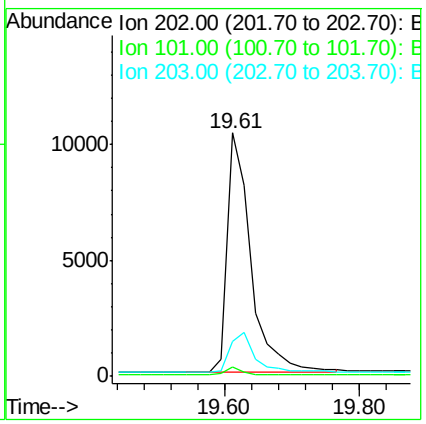




#23
Fluoranthene
Concen: 0.37 ng
RT: 19.61 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:202 Resp: 25020

Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.3	13.7	20.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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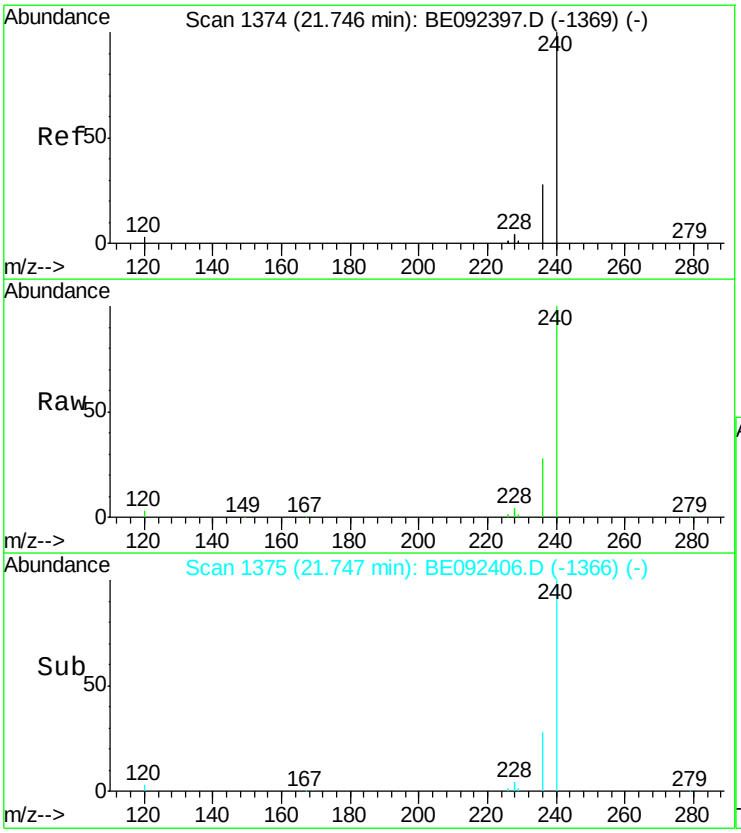
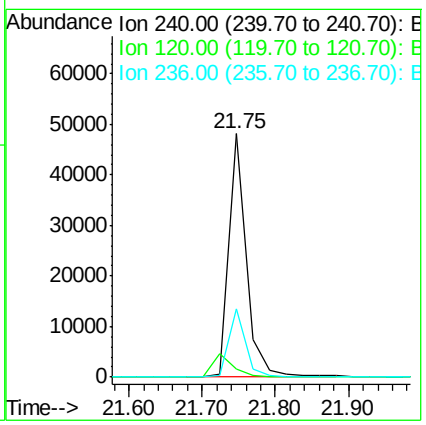
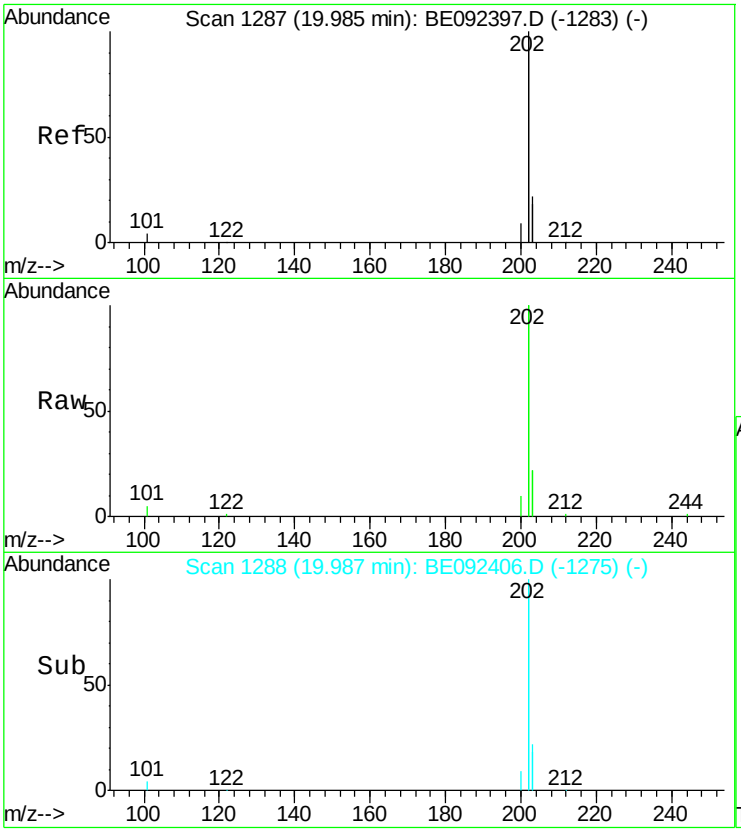


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:240 Resp: 79923

Ion	Ratio	Lower	Upper
240	100		
120	3.3	2.6	4.0
236	28.1	24.6	37.0





#25
Pyrene
Concen: 0.38 ng
RT: 19.99 min Scan# 1288
Delta R.T. 0.02 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:202 Resp: 26328

Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.6	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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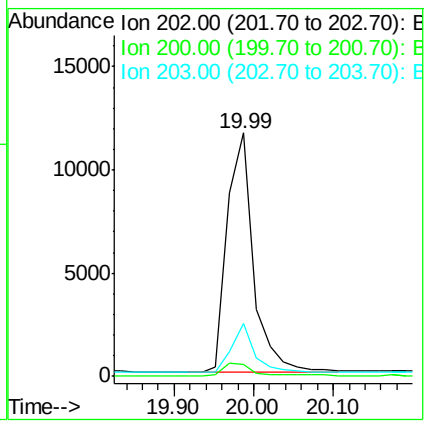
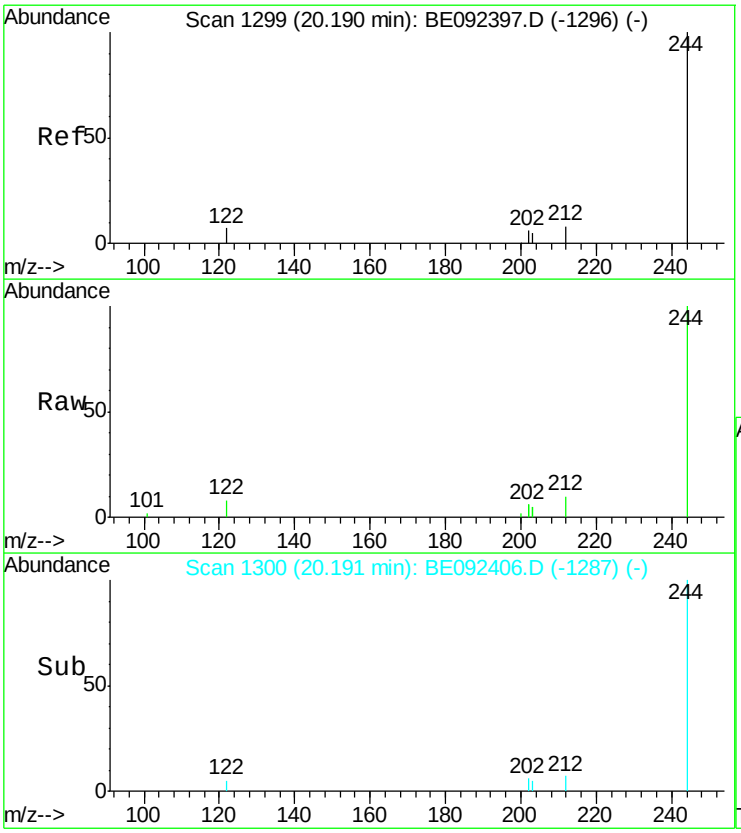
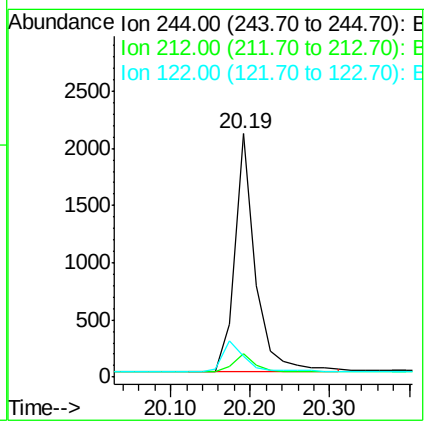


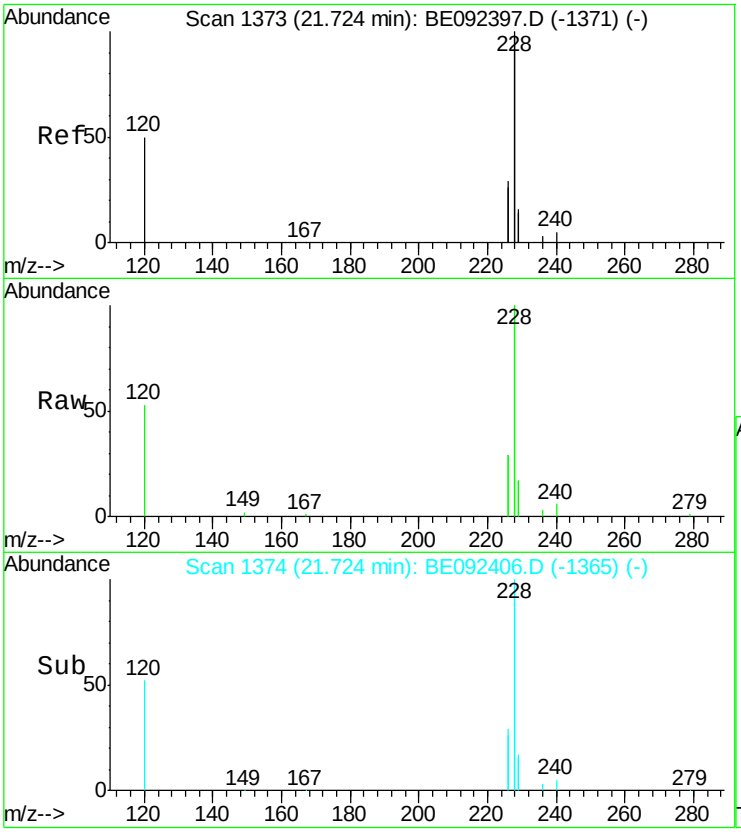


#26
Terphenyl-d14
Concen: 0.38 ng
RT: 20.19 min Scan# 1300
Delta R.T. 0.02 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:244 Resp: 3779

Ion	Ratio	Lower	Upper
244	100		
212	9.8	6.7	10.1
122	8.4	3.6	5.4#

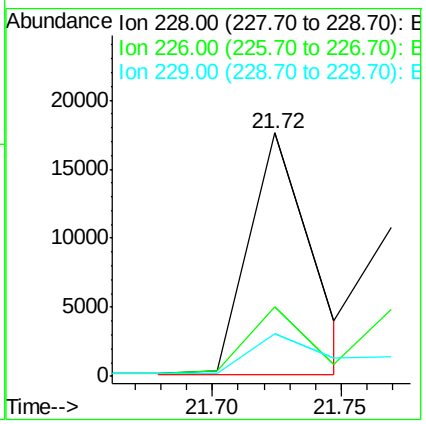




#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:228 Resp: 29430

Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.6	35.4
229	17.5	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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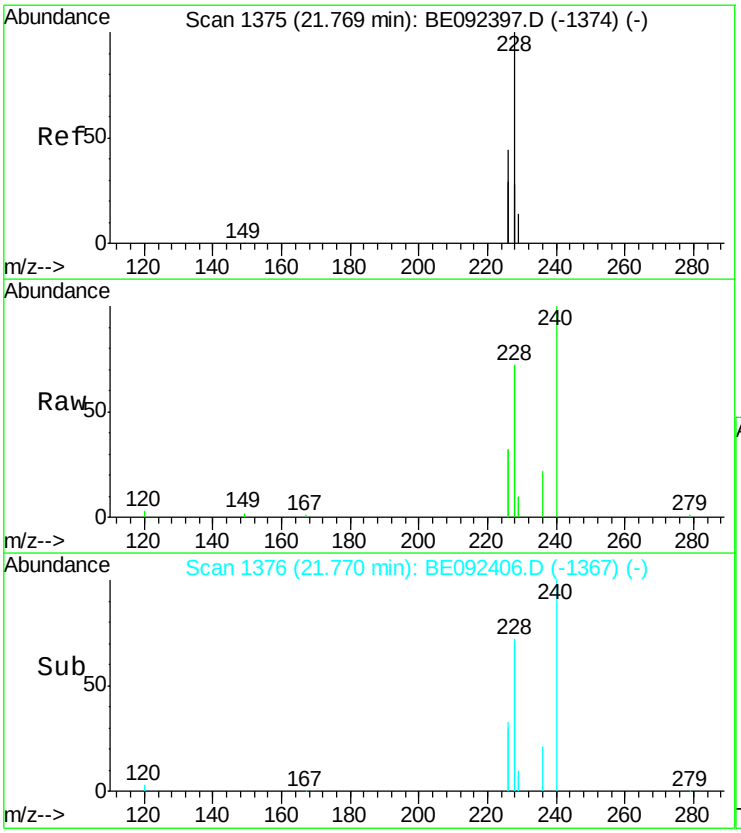
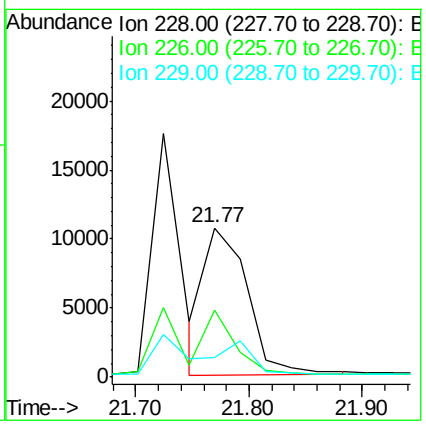
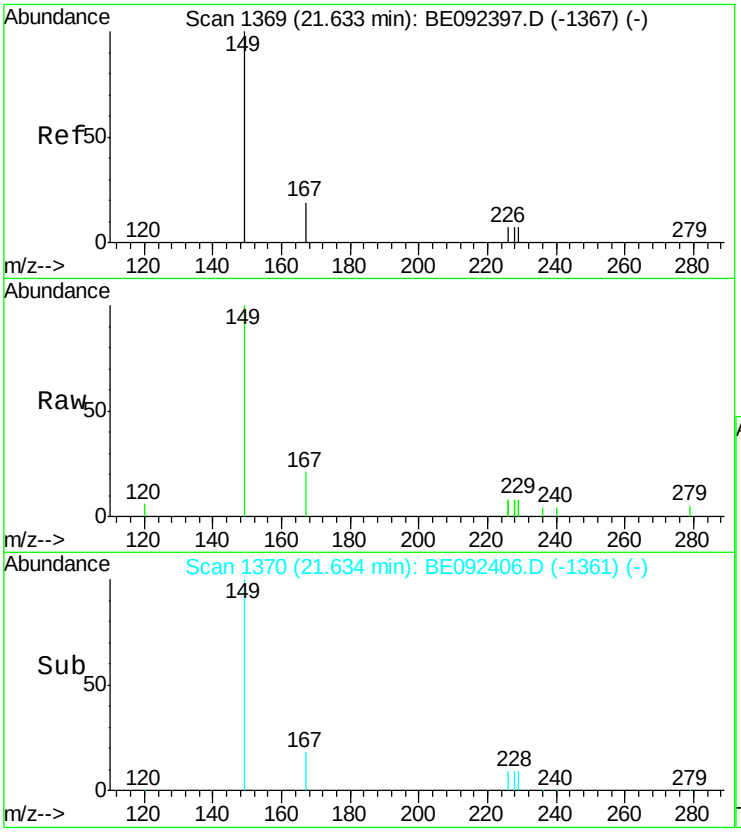


#28
Chrysene
Concen: 0.40 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:228 Resp: 28268

Ion	Ratio	Lower	Upper
228	100		
226	45.0	36.3	54.5
229	13.5	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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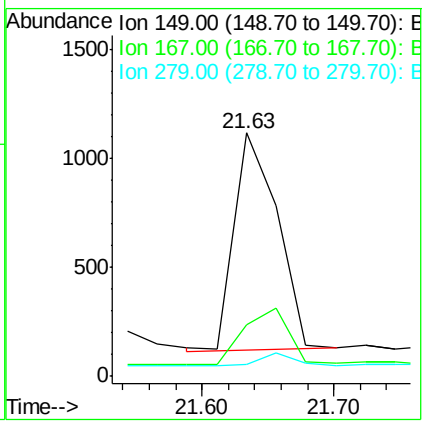
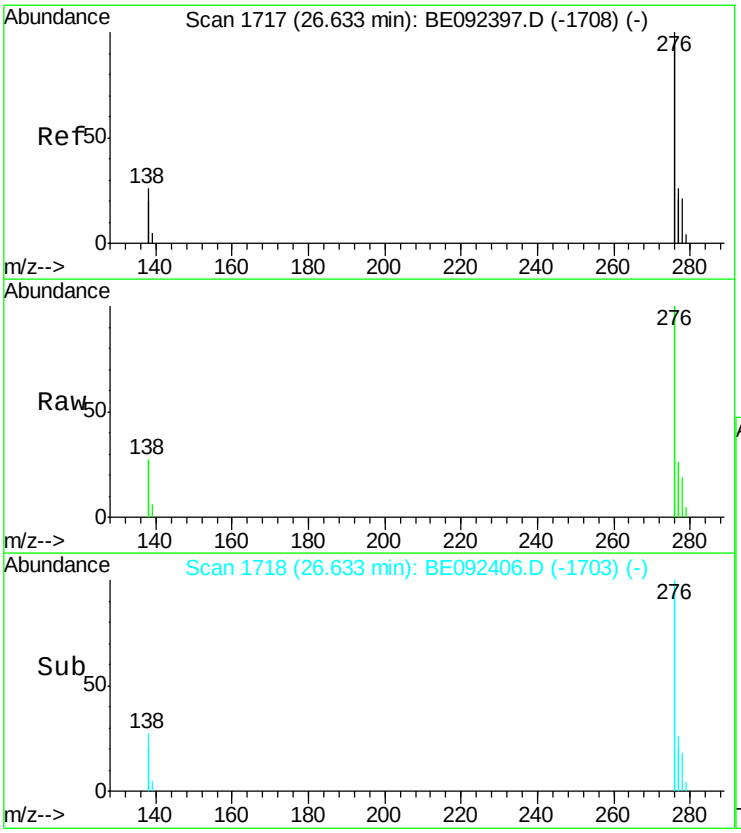
Tgt Ion:149 Resp: 2293

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

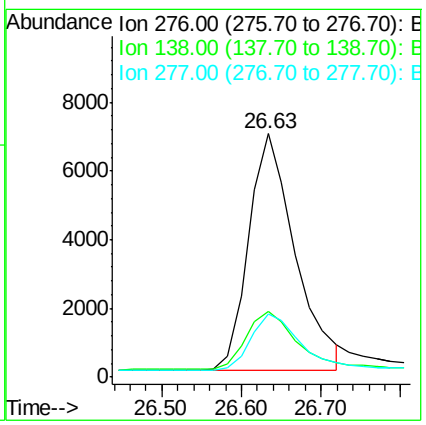


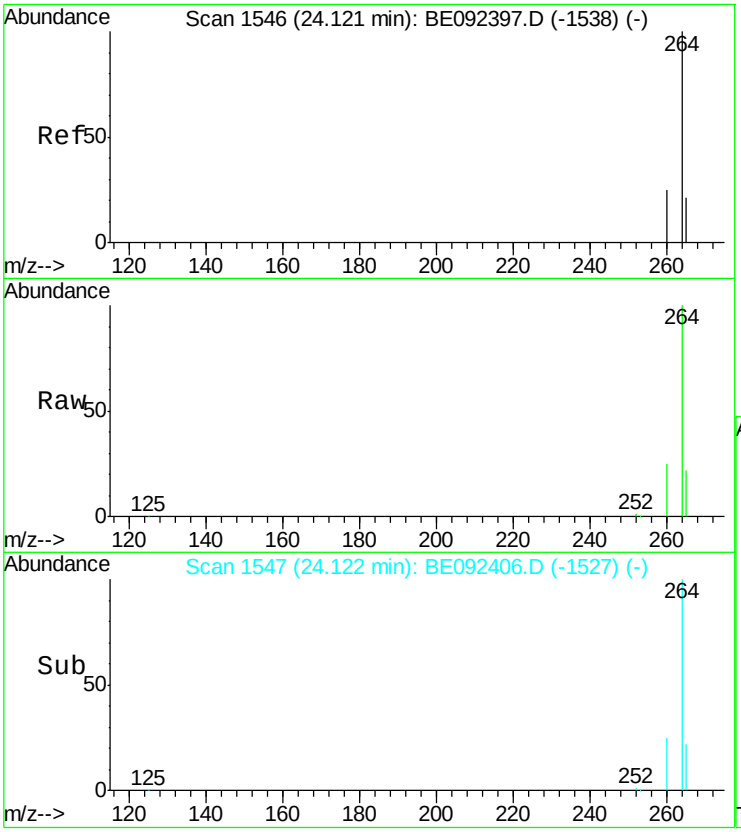


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.05 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:276 Resp: 27990

Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.3	30.5
277	24.4	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:264 Resp: 70680

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	22.2	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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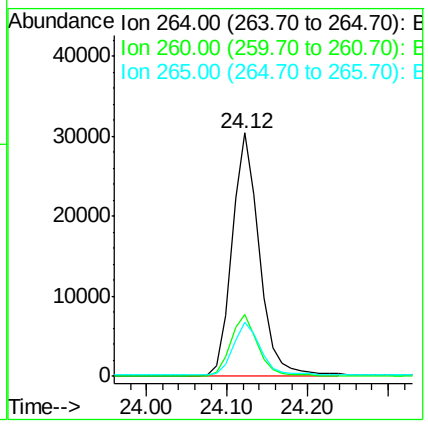
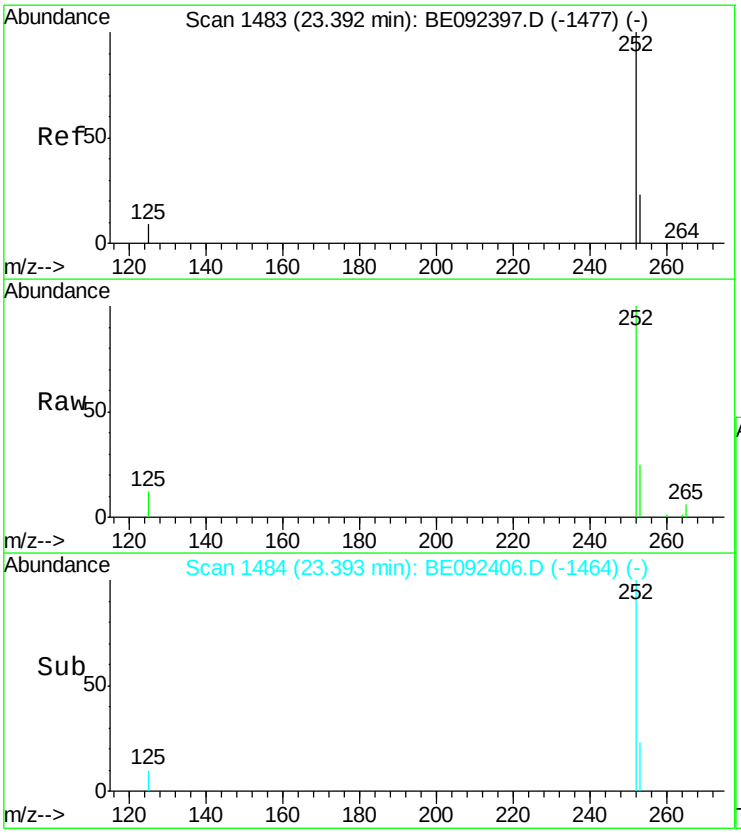
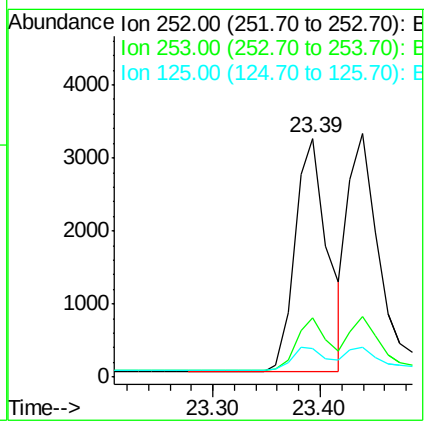


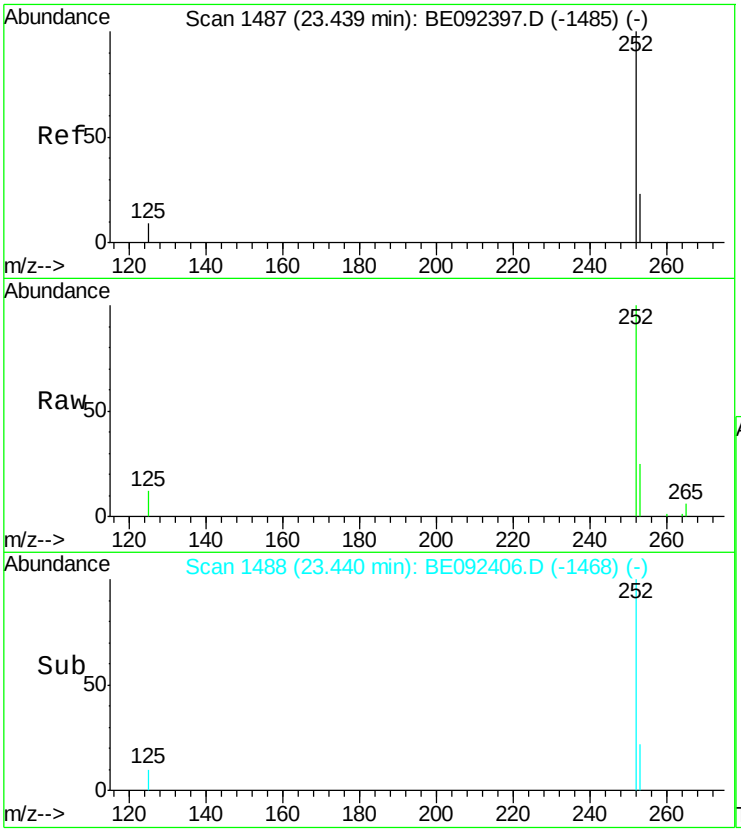


#32
Benzo(b)fluoranthene
Concen: 0.40 ng
RT: 23.39 min Scan# 1484
Delta R.T. 0.04 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:252 Resp: 6792

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.7	28.1
125	12.1	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 23.44 min Scan# 1488
Delta R.T. 0.04 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:252 Resp: 6685

Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.3	30.5
125	12.4	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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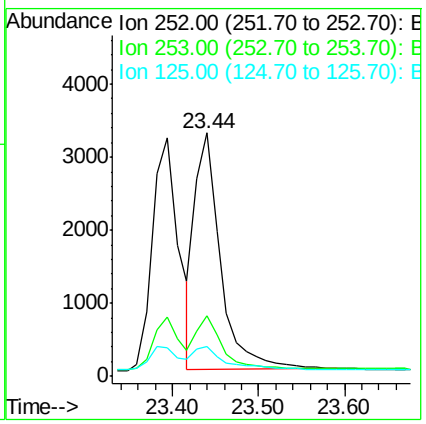
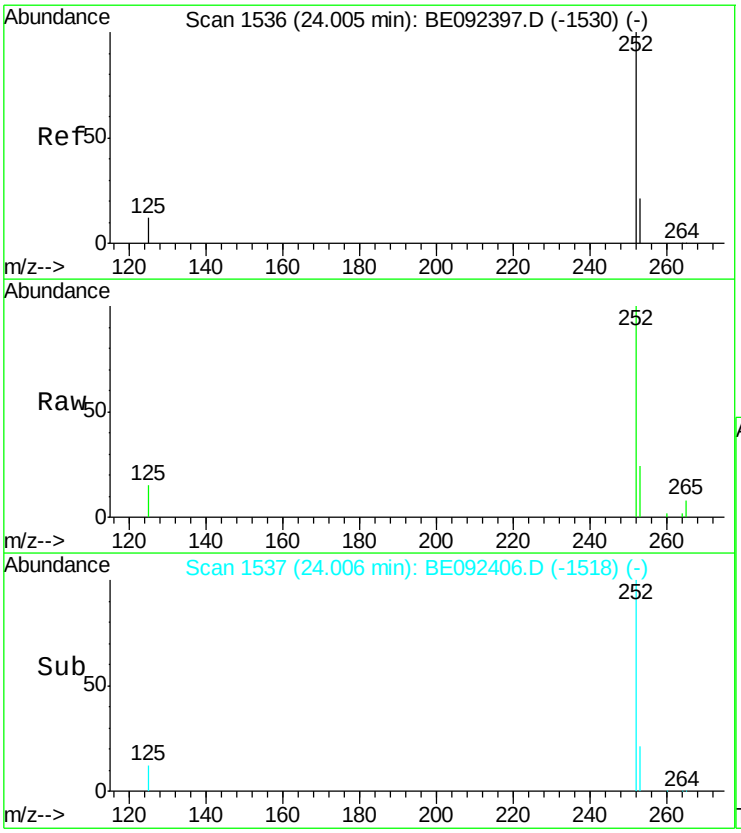
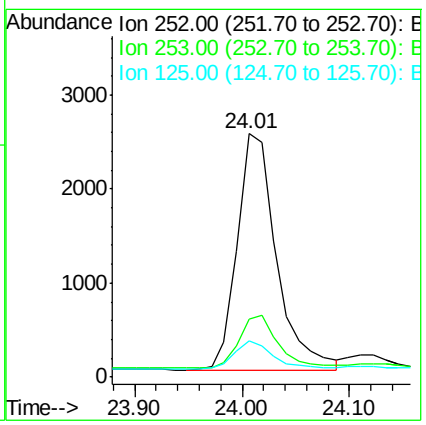


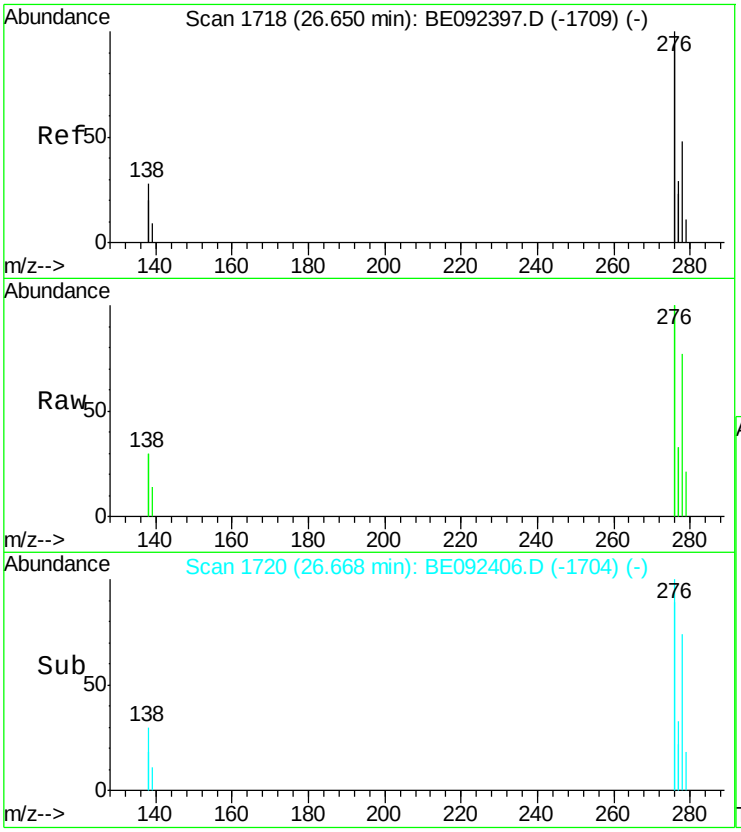


#34
Benzo(a)pyrene
Concen: 0.38 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:252 Resp: 6381

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.6
125	14.7	11.8	17.8

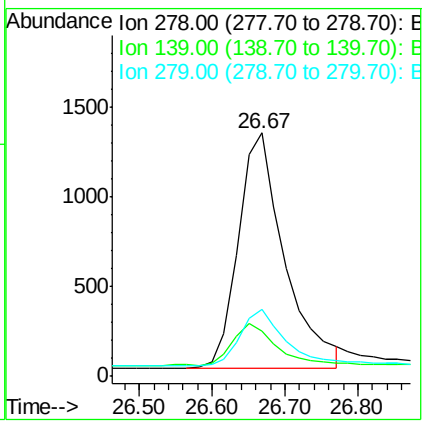




#35
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.67 min Scan# 1720
Delta R.T. 0.07 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:278 Resp: 5725

Ion	Ratio	Lower	Upper
278	100		
139	18.5	13.8	20.8
279	27.4	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
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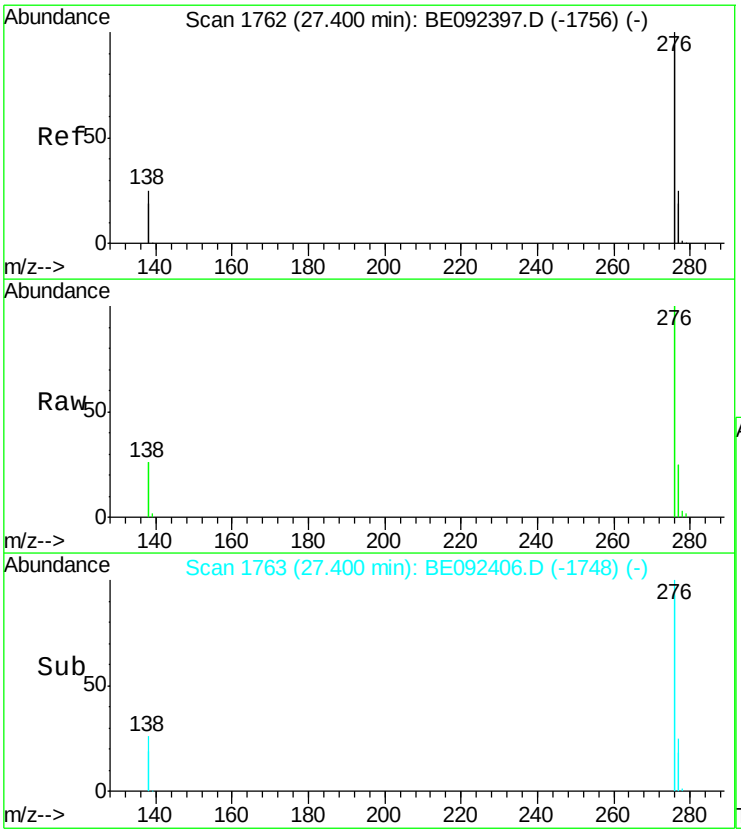

#36
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092406.D
Acq: 22 Sep 2016 21:33

Tgt Ion:276 Resp: 25578

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	25.9	19.8	29.6