Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
Data File : BE092397.D
Acq On : 22 Sep 2016 15:59
Operator : UM/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Manual Integrations APPROVED
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Quant Time: Sep 22 17:01:11 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 16:57:02 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8067	5.00	ng		0.00
7) Naphthalene-d8	10.95	136	41110	5.00	ng		0.00
12) Acenaphthene-d10	14.81	164	31861	5.00	ng		0.00
18) Phenanthrene-d10	17.58	188	69571	5.00	ng		0.00
24) Chrysene-d12	21.75	240	87816	5.00	ng		0.00
31) Perylene-d12	24.12	264	78681	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.69	112	602	0.31	ng		0.00
5) Phenol-d6	7.36	99	778	0.30	ng		0.00
8) Nitrobenzene-d5	9.36	82	831	0.28	ng		0.00
13) 2,4,6-Tribromophenol	16.33	330	315	0.32	ng		0.00
14) 2-Fluorobiphenyl	13.45	172	2982	0.31	ng		0.00
26) Terphenyl-d14	20.19	244	4308	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	414	0.36	ng		97
3) n-Nitrosodimethylamine	3.79	42	343	0.32	ng		98
6) bis(2-Chloroethyl)ether	7.61	93	614	0.30	ng	#	27
9) Naphthalene	11.01	128	3545	0.39	ng		99
10) Hexachlorobutadiene	11.30	225	555	0.39	ng		100
11) 2-Methylnaphthalene	12.65	142	2322	0.39	ng		93
15) Acenaphthylene	14.54	152	18006	0.33	ng		100
16) Acenaphthene	14.88	154	2991	0.34	ng		98
17) Fluorene	15.87	166	3620	0.32	ng		100
19) Hexachlorobenzene	16.89	284	1114	0.33	ng		99
20) Pentachlorophenol	17.26	266	234	0.32	ng		95
21) Phenanthrene	17.60	178	6068	0.31	ng	#	78
22) Anthracene	17.72	178	5597	0.32	ng		99
23) Fluoranthene	19.61	202	27989	0.33	ng		99
25) Pyrene	19.99	202	29316	0.34	ng		100
27) Benzo(a)anthracene	21.72	228	33550m	0.35	ng		
28) Chrysene	21.77	228	33627m	0.34	ng		
29) Bis(2-ethylhexyl)phthalate	21.63	149	2987	0.23	ng	#	56
30) Indeno(1,2,3-cd)pyrene	26.63	276	32797	0.33	ng		99
32) Benzo(b)fluoranthene	23.39	252	7578	0.38	ng		96
33) Benzo(k)fluoranthene	23.44	252	7421	0.35	ng		99
34) Benzo(a)pyrene	24.01	252	7056	0.35	ng		99
35) Dibenzo(a,h)anthracene	26.65	278	6553	0.36	ng	#	95
36) Benzo(g,h,i)perylene	27.40	276	28524	0.37	ng		99

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

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Misc :
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Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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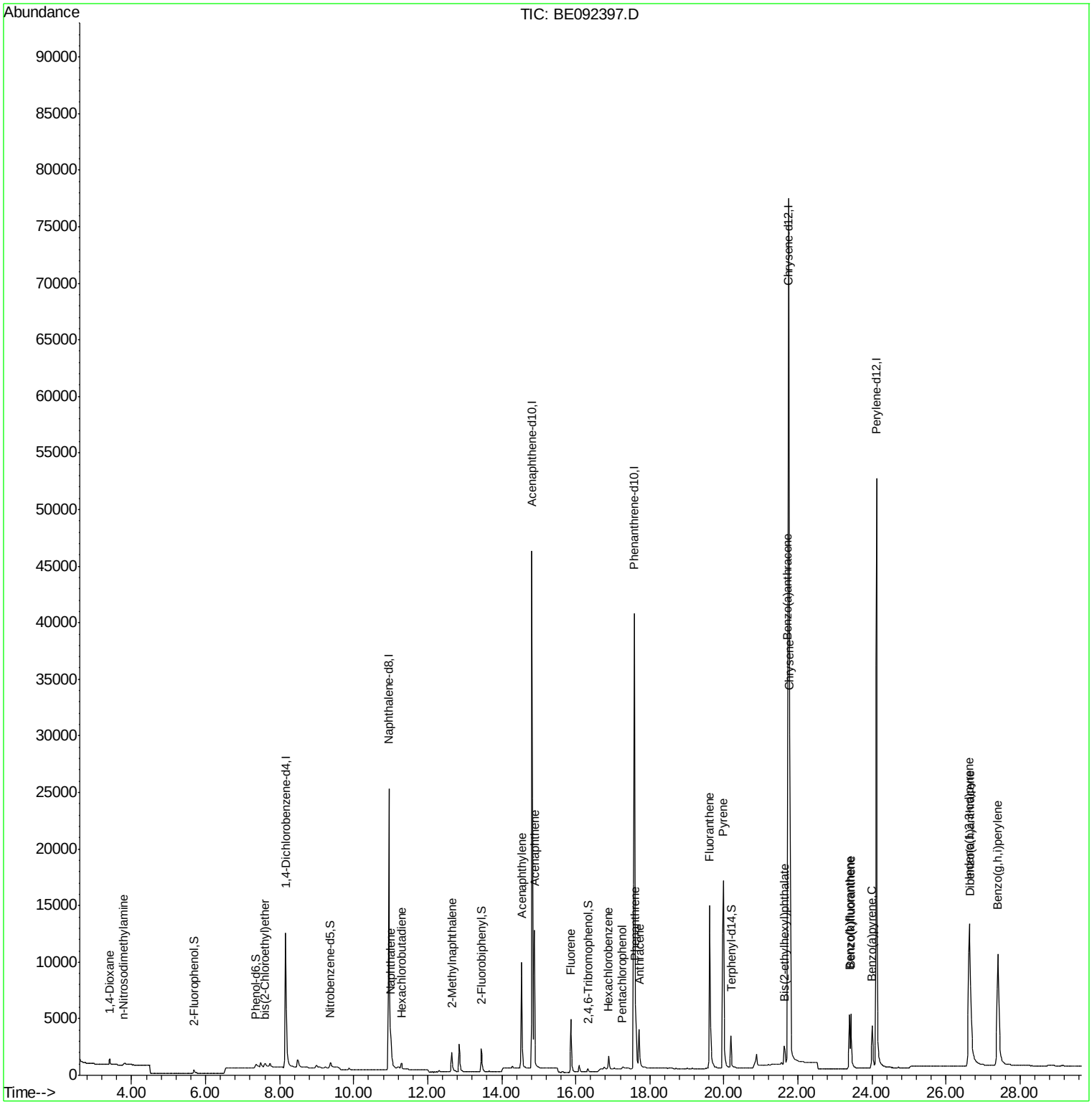
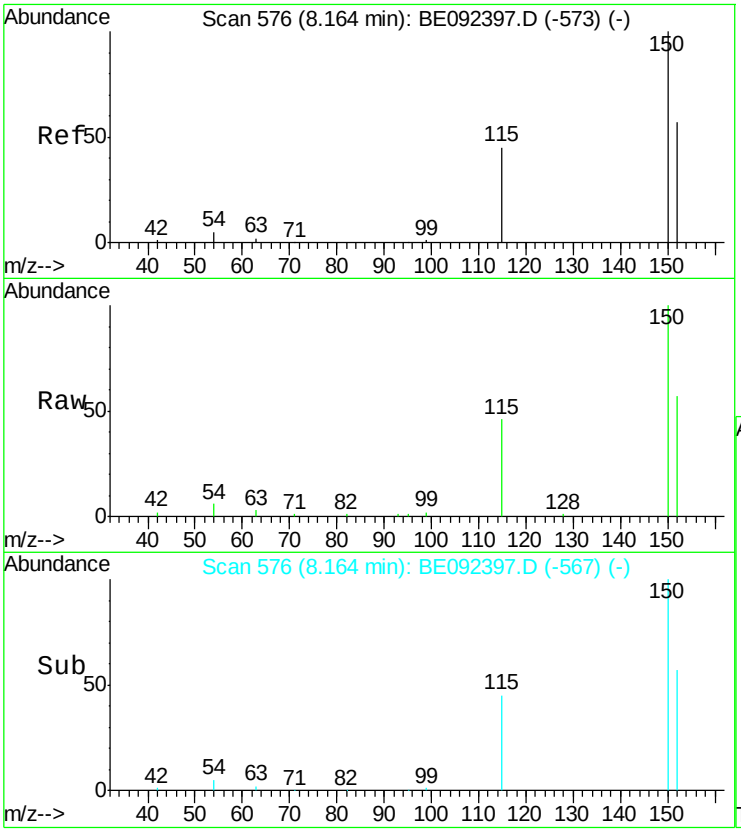
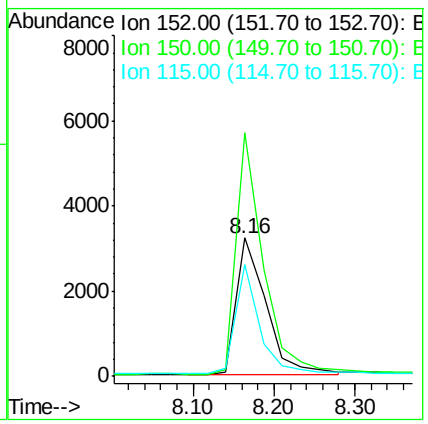




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:152 Resp: 8067

Ion	Ratio	Lower	Upper
152	100		
150	175.7	106.0	159.0#
115	80.6	31.2	46.8#



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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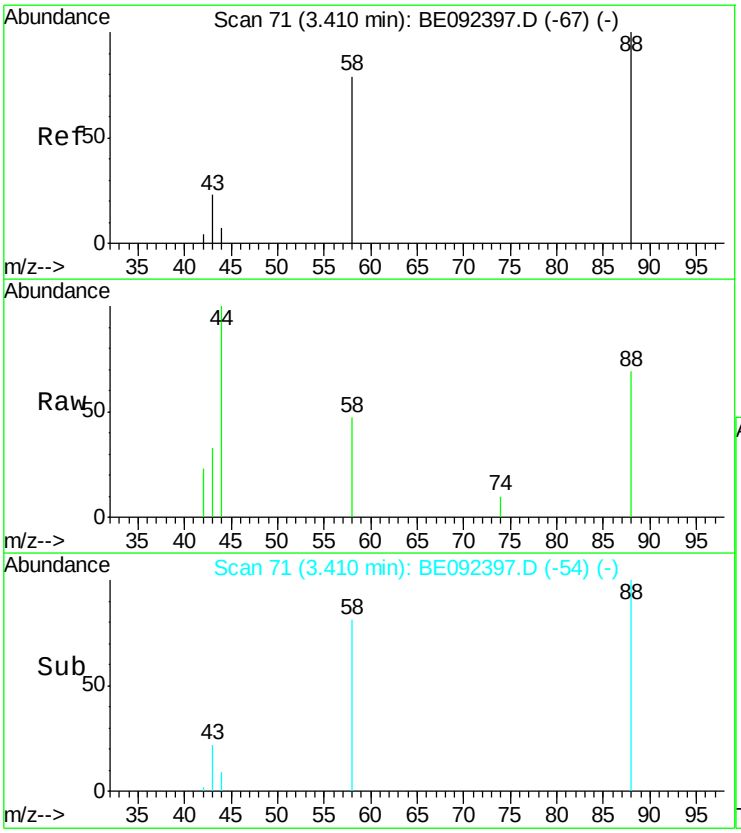
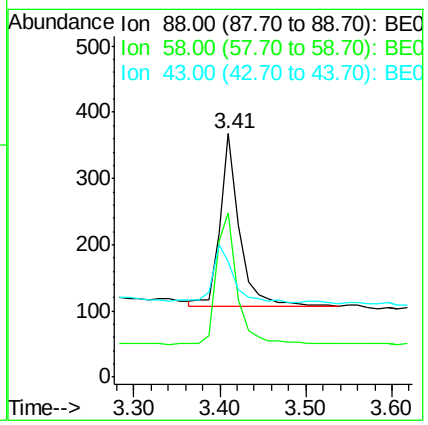
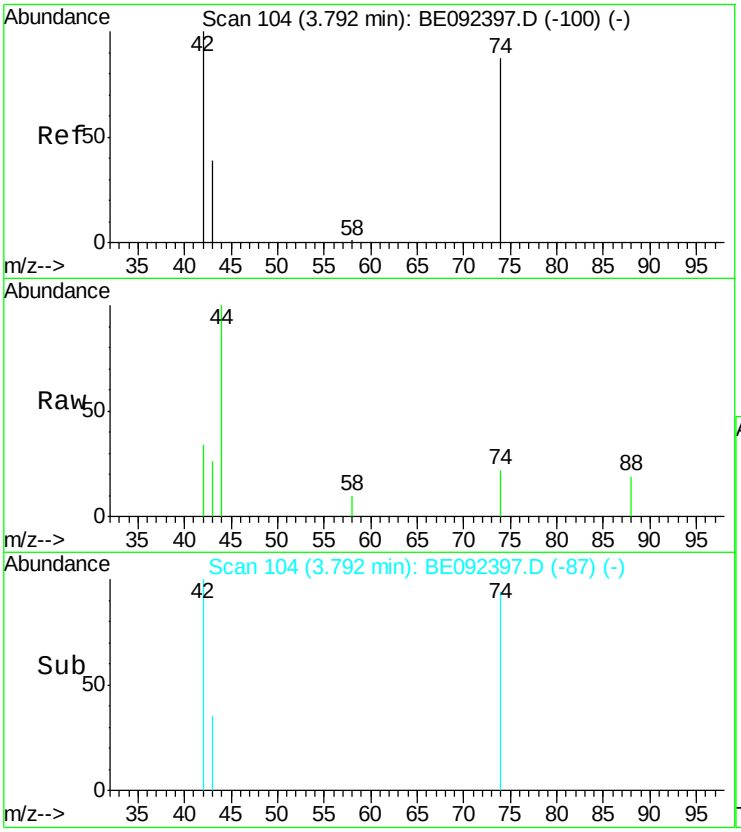


#2
1,4-Dioxane
Concen: 0.36 ng
RT: 3.41 min Scan# 71
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion: 88 Resp: 414

Ion	Ratio	Lower	Upper
88	100		
58	83.3	63.6	95.4
43	35.5	28.0	42.0

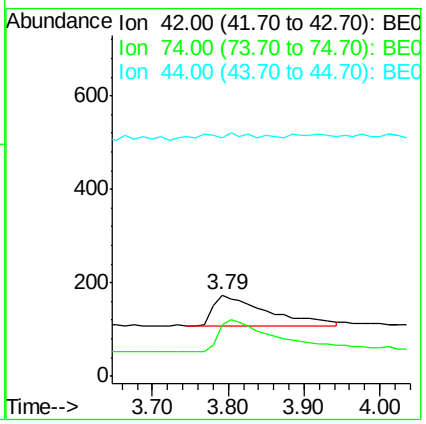




#3
n-Nitrosodimethylamine
Concen: 0.32 ng
RT: 3.79 min Scan# 104
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion: 42 Resp: 343

Ion	Ratio	Lower	Upper
42	100		
74	105.8	86.0	129.0
44	5.5	5.1	7.7



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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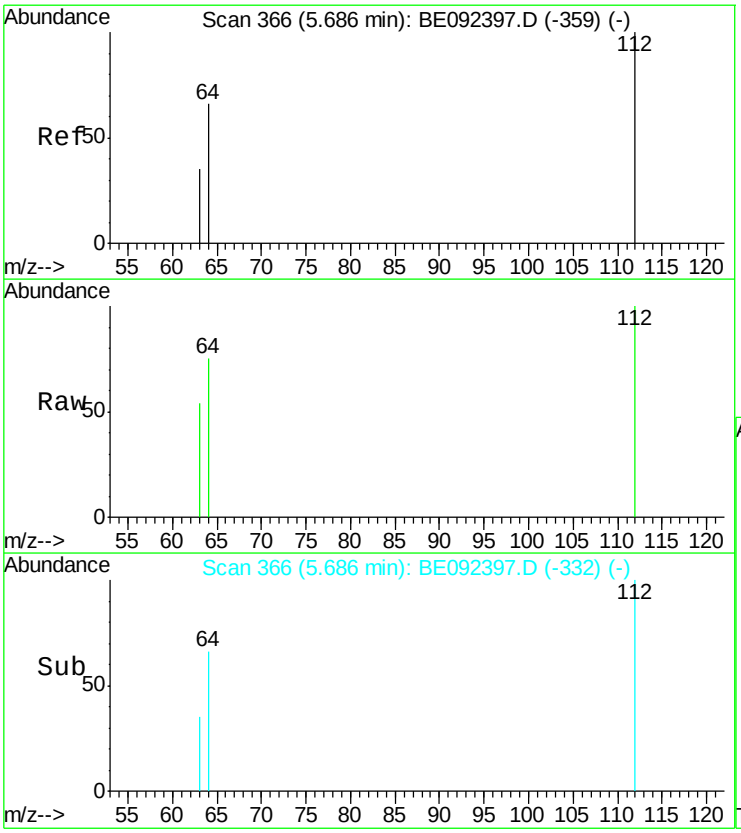
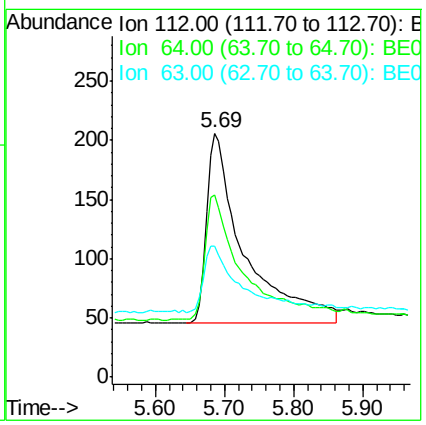
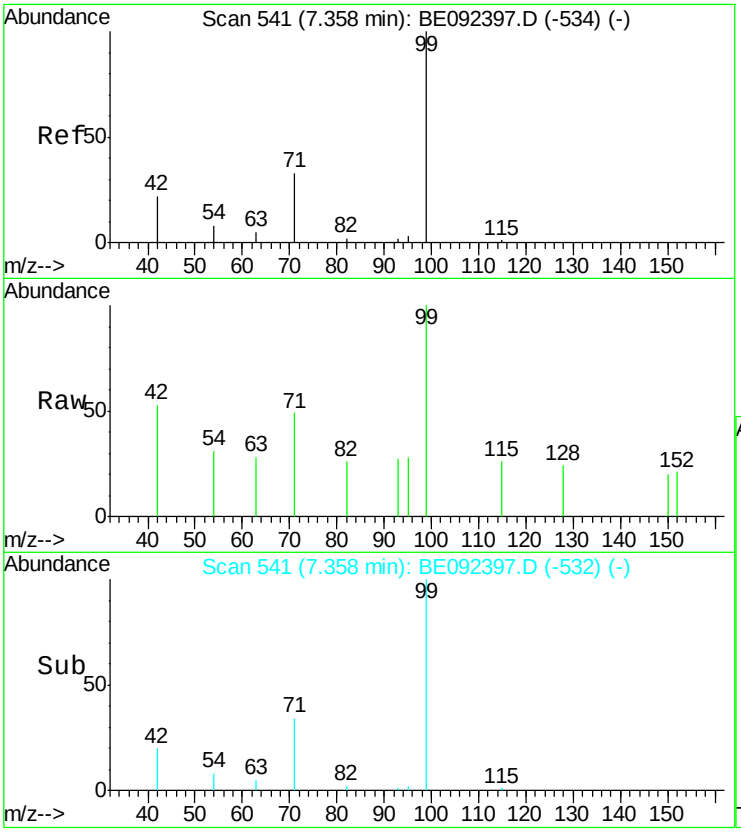


#4
2-Fluorophenol
Concen: 0.31 ng
RT: 5.69 min Scan# 366
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:112 Resp: 602

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.5	80.3
63	35.0	27.9	41.9





#5
Phenol-d6
Concen: 0.30 ng
RT: 7.36 min Scan# 541
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion: 99 Resp: 778

Ion	Ratio	Lower	Upper
99	100		
42	25.1	16.0	24.0#
71	36.2	30.6	45.8

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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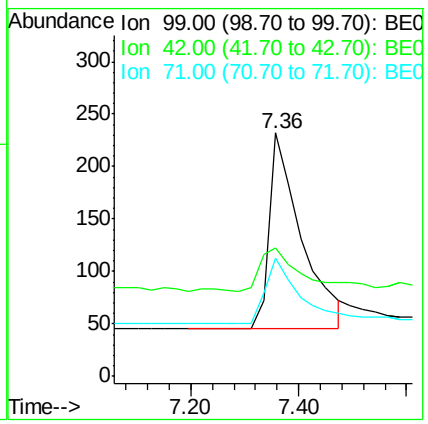
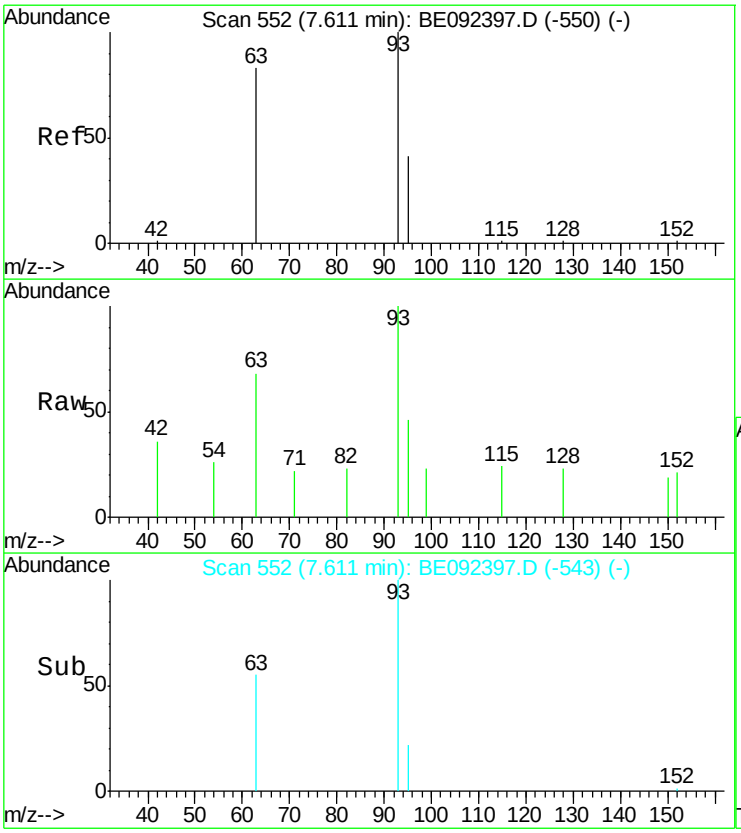
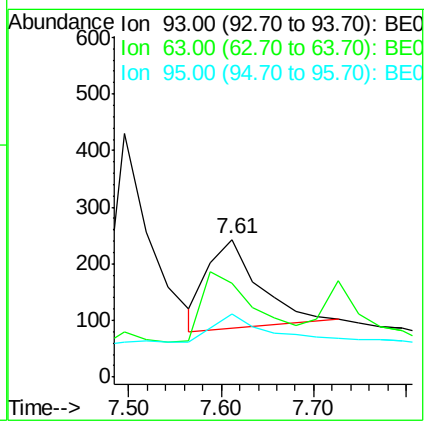


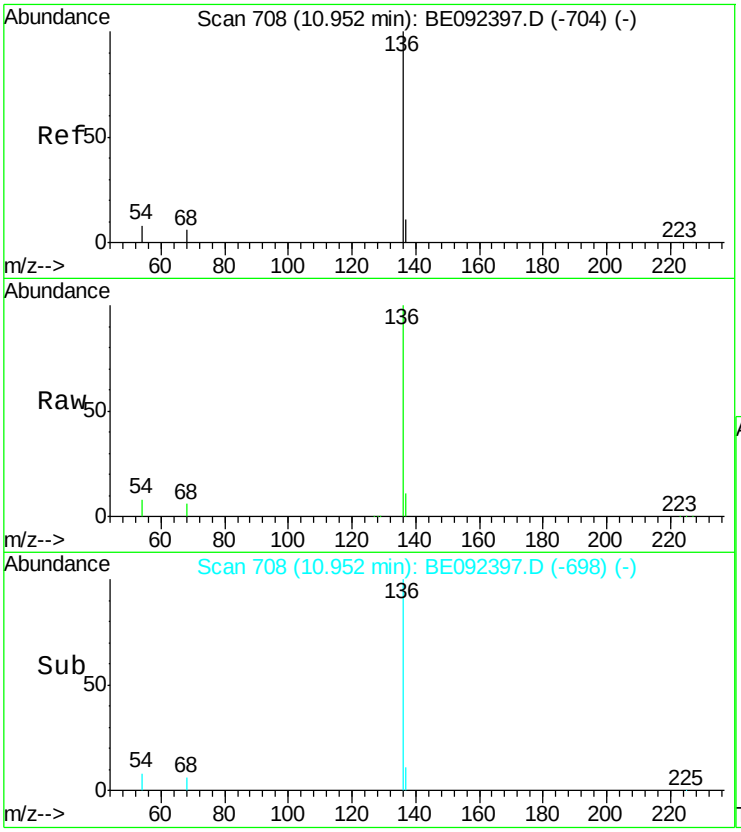


#6
bis(2-Chloroethyl)ether
Concen: 0.30 ng
RT: 7.61 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion: 93 Resp: 614

Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	34.4	24.0	36.0

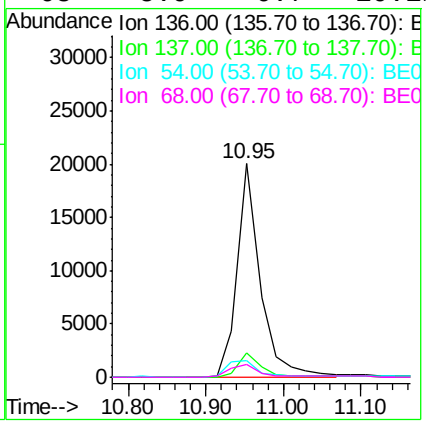




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:136 Resp: 41110

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	7.9	9.6	14.4#
68	5.9	6.7	10.1#



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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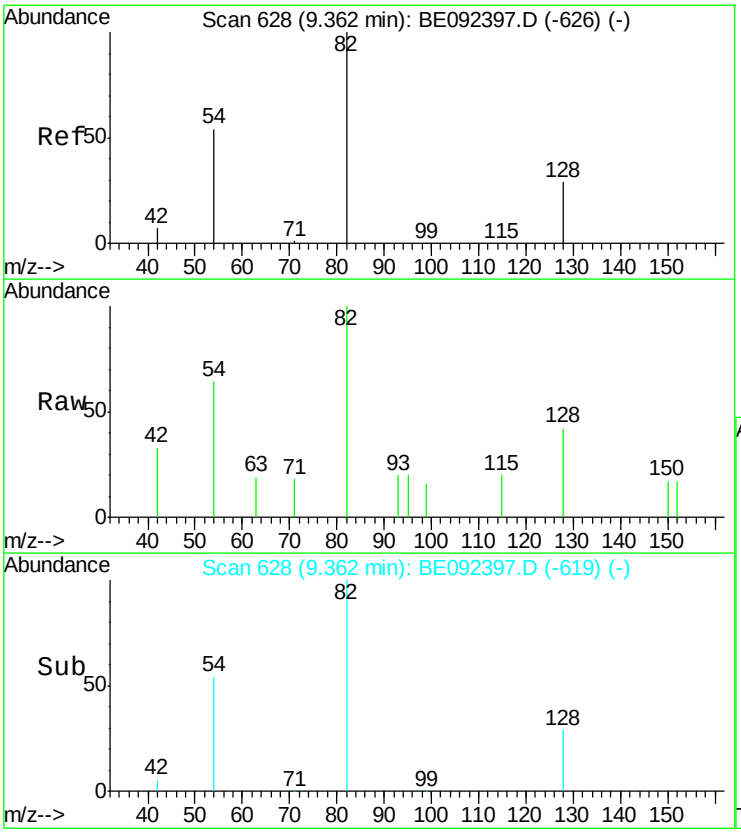
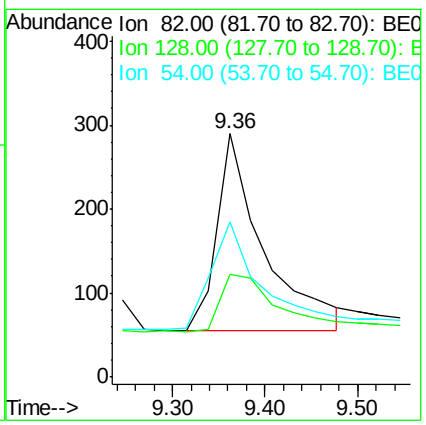
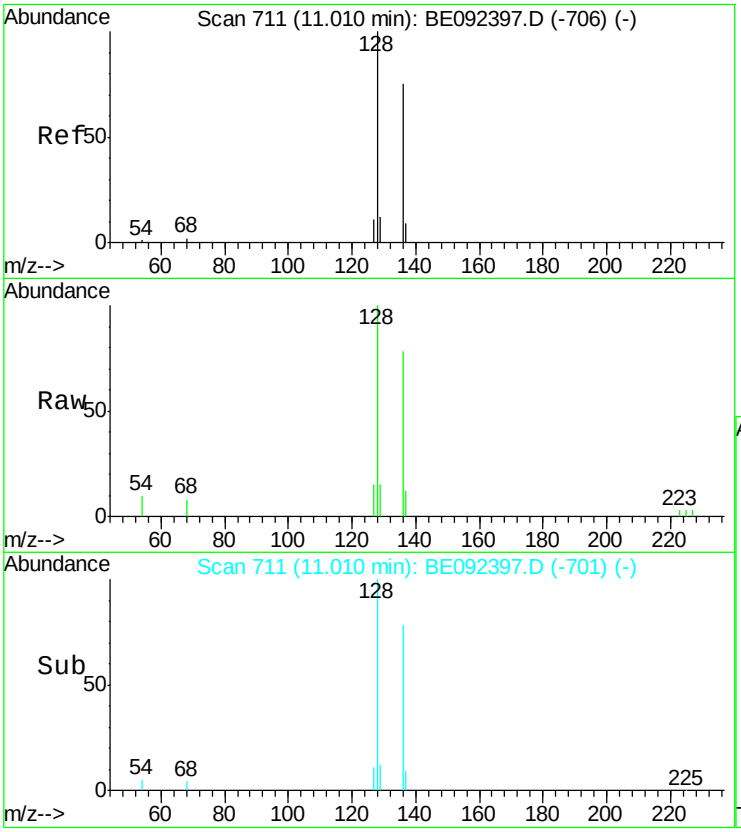


#8
Nitrobenzene-d5
Concen: 0.28 ng
RT: 9.36 min Scan# 628
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion: 82 Resp: 831

Ion	Ratio	Lower	Upper
82	100		
128	42.4	39.0	58.4
54	63.8	44.8	67.2

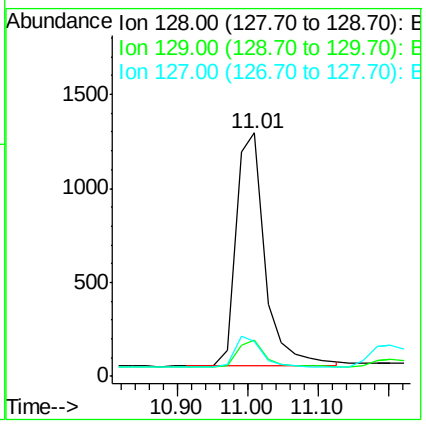




#9
Naphthalene
Concen: 0.39 ng
RT: 11.01 min Scan# 711
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:128 Resp: 3545

Ion	Ratio	Lower	Upper
128	100		
129	15.0	11.2	16.8
127	14.5	11.6	17.4



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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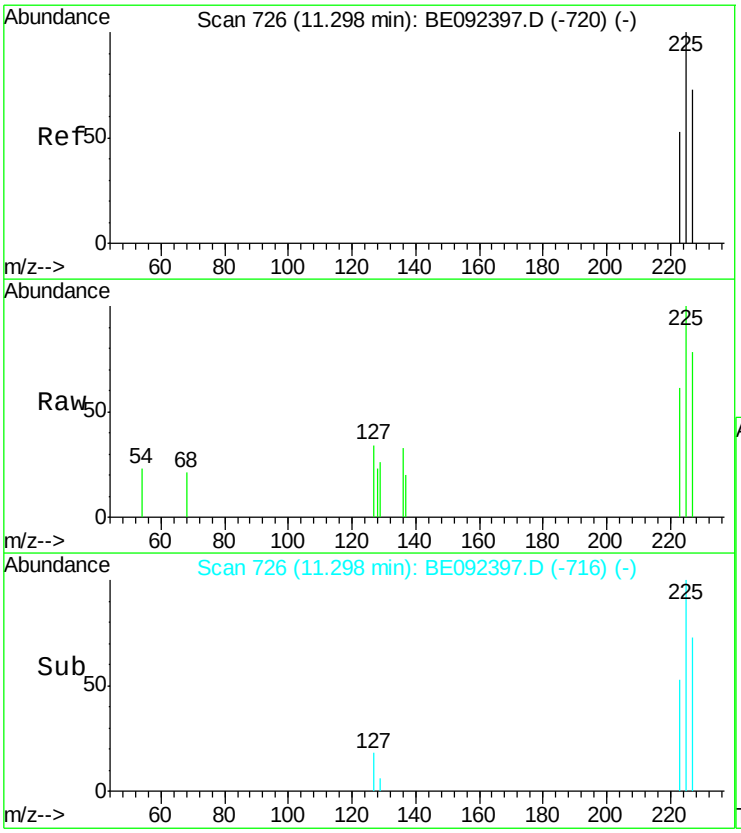
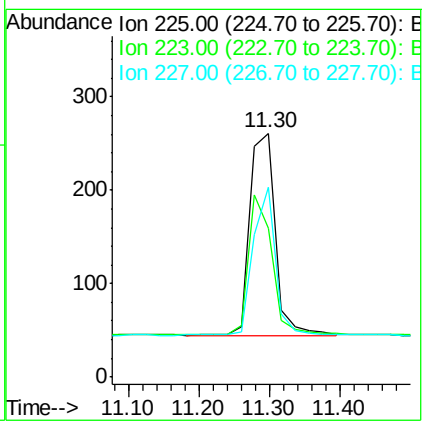
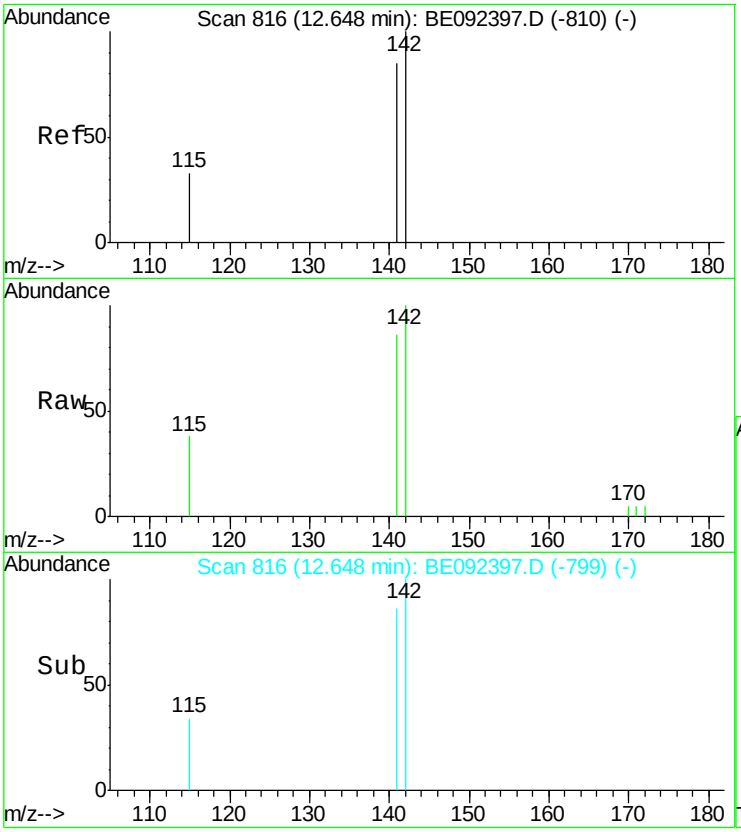


#10
Hexachlorobutadiene
Concen: 0.39 ng
RT: 11.30 min Scan# 726
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:225 Resp: 555

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	64.9	51.4	77.0

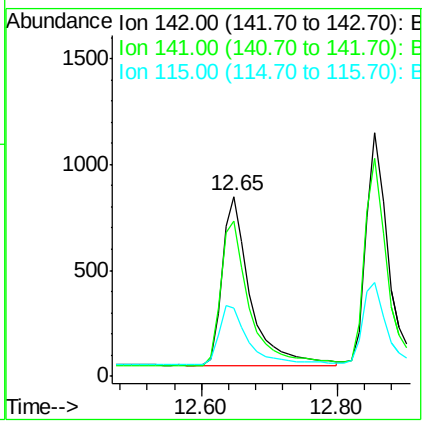




#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.65 min Scan# 816
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:142 Resp: 2322

Ion	Ratio	Lower	Upper
142	100		
141	86.1	73.7	110.5
115	38.0	34.0	51.0



Instrument :
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ClientSampleId :
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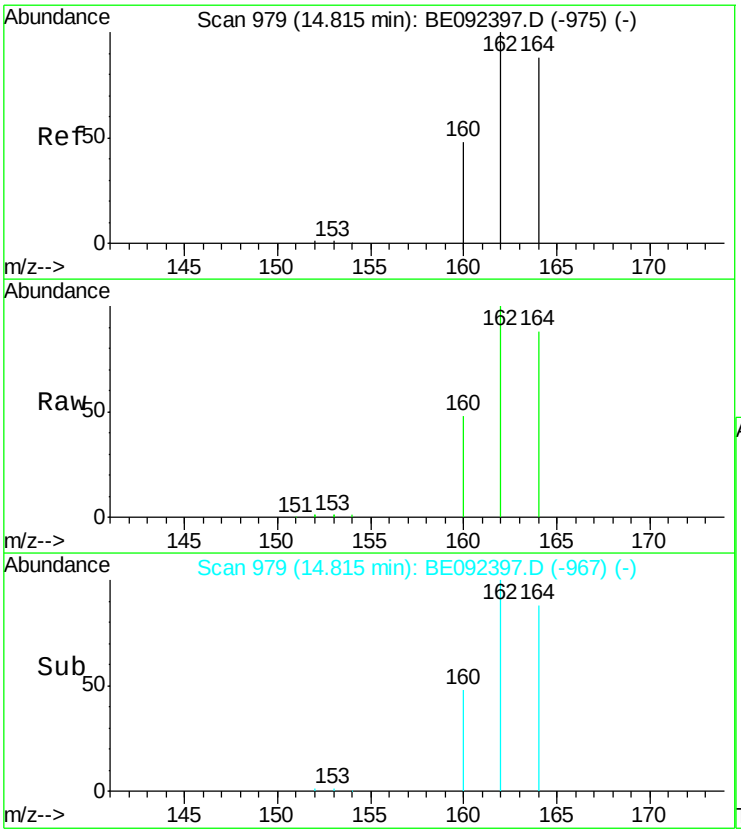
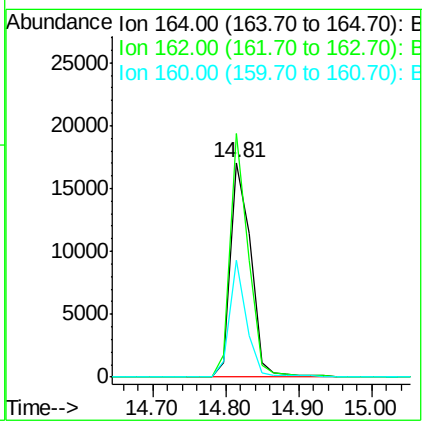
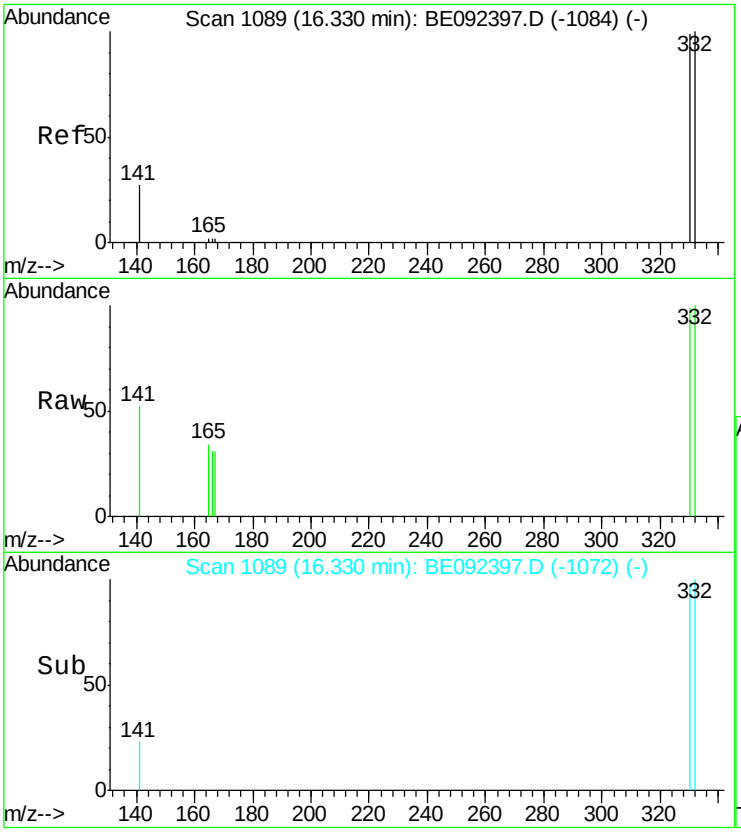


#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:164 Resp: 31861

Ion	Ratio	Lower	Upper
164	100		
162	113.4	71.4	107.0#
160	54.7	27.4	41.2#





#13
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 16.33 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:330 Resp: 315

Ion	Ratio	Lower	Upper
330	100		
332	98.7	75.4	113.0
141	44.1	31.0	46.6

Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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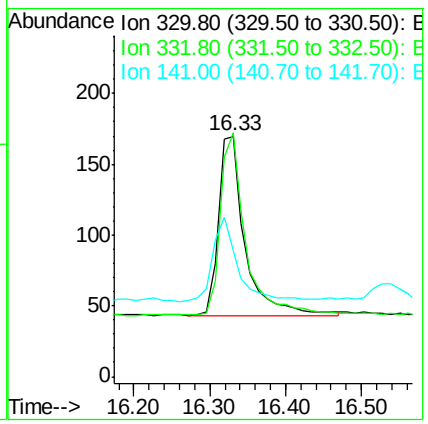
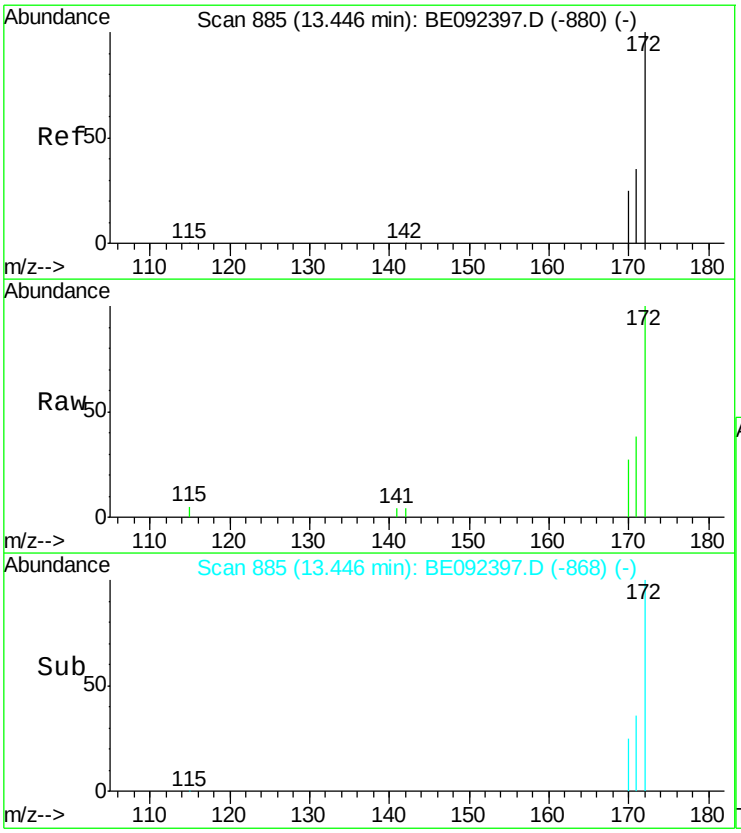
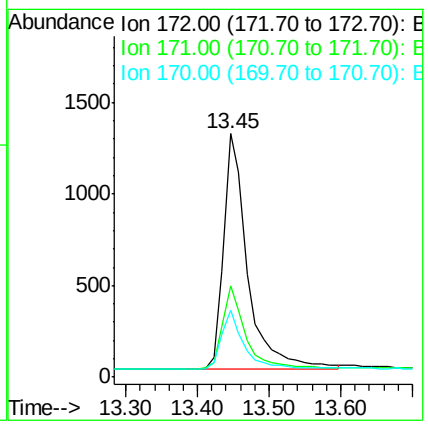


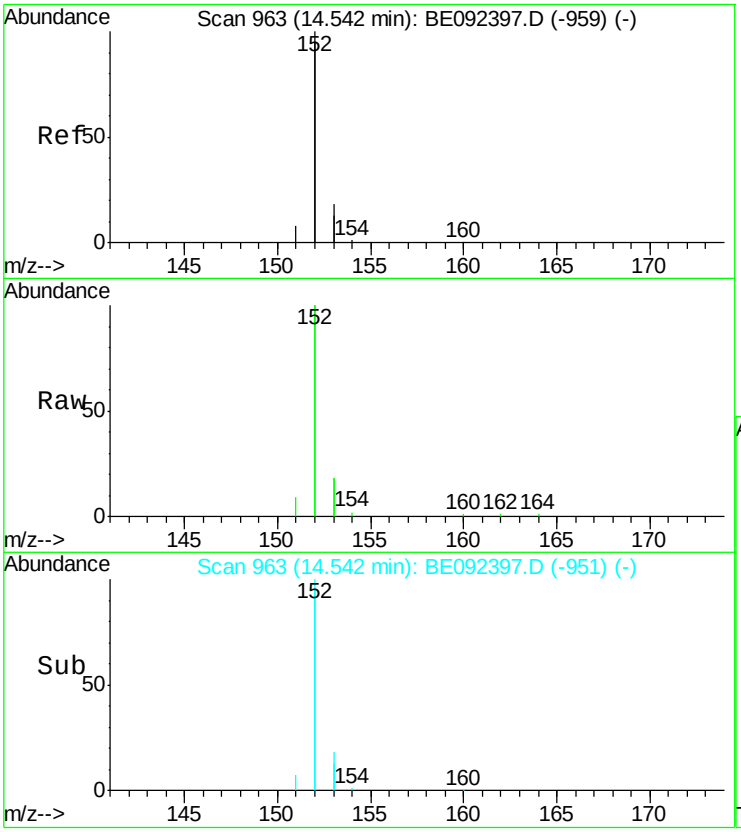


#14
2-Fluorobiphenyl
Concen: 0.31 ng
RT: 13.45 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:172 Resp: 2982

Ion	Ratio	Lower	Upper
172	100		
171	37.7	30.1	45.1
170	27.4	21.8	32.6

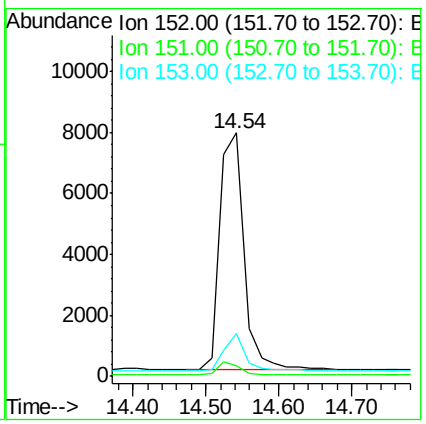




#15
Acenaphthylene
Concen: 0.33 ng
RT: 14.54 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:152 Resp: 18006

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



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Manual Integrations APPROVED
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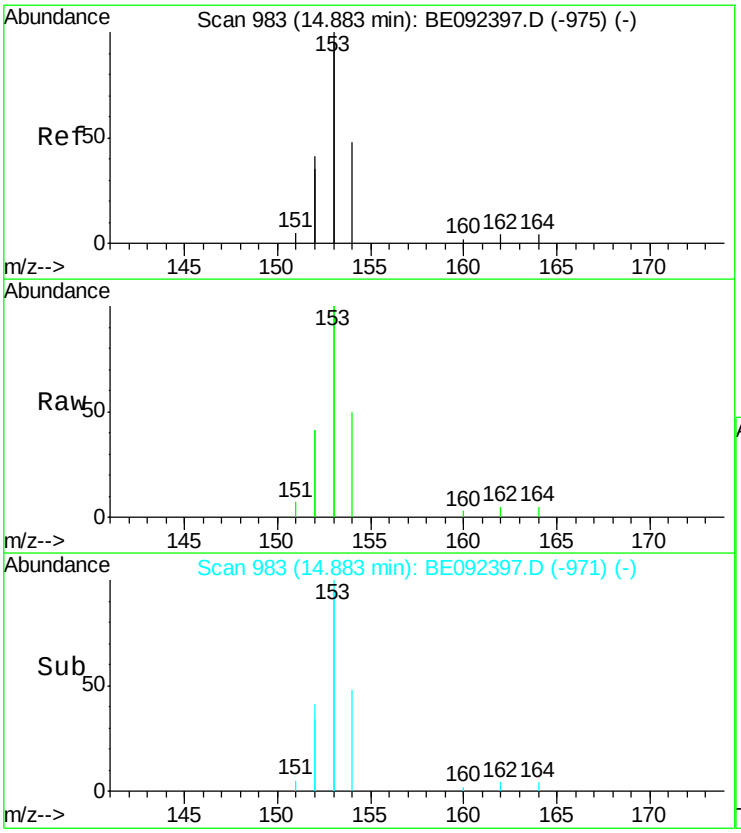
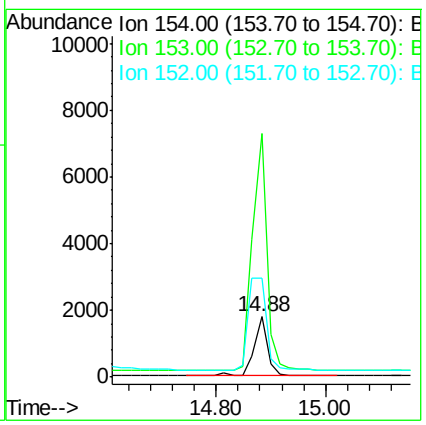
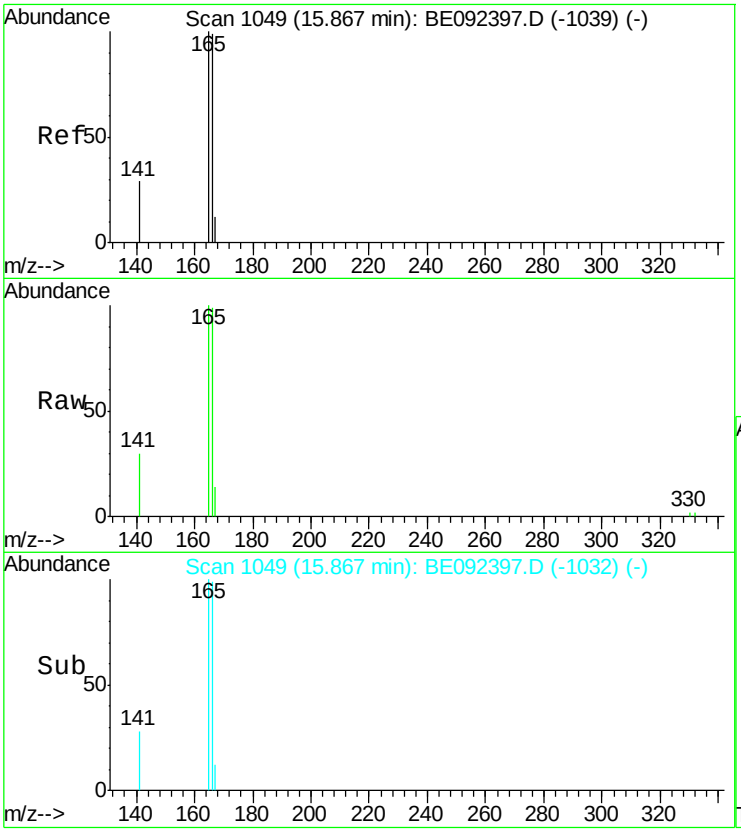


#16
Acenaphthene
Concen: 0.34 ng
RT: 14.88 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:154 Resp: 2991

Ion	Ratio	Lower	Upper
154	100		
153	432.9	350.8	526.2
152	211.7	171.1	256.7





#17
Fluorene
Concen: 0.32 ng
RT: 15.87 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:166 Resp: 3620

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.4
167	13.5	11.0	16.4

Instrument :
BNA_E
ClientSampleId :
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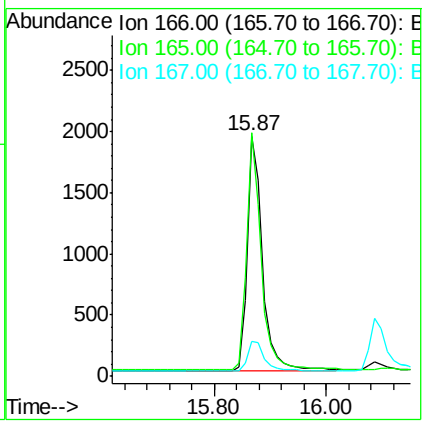
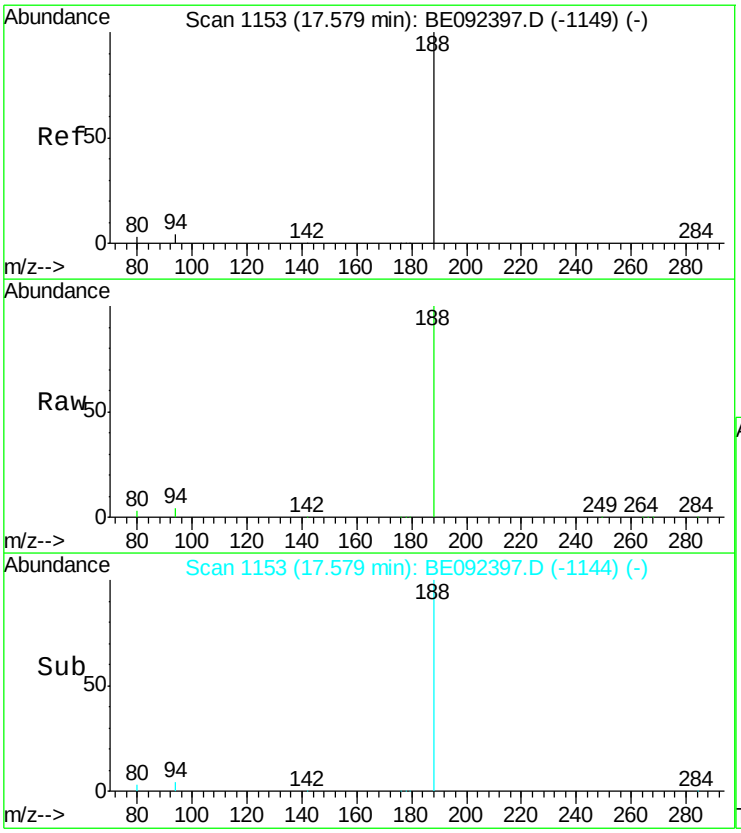
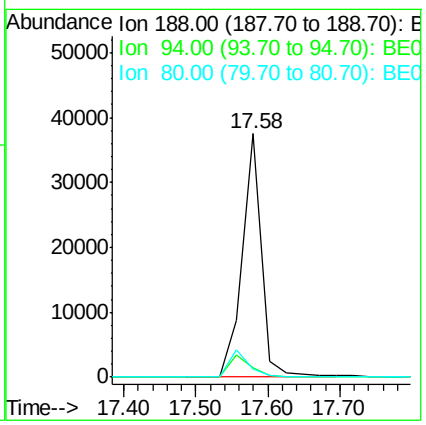


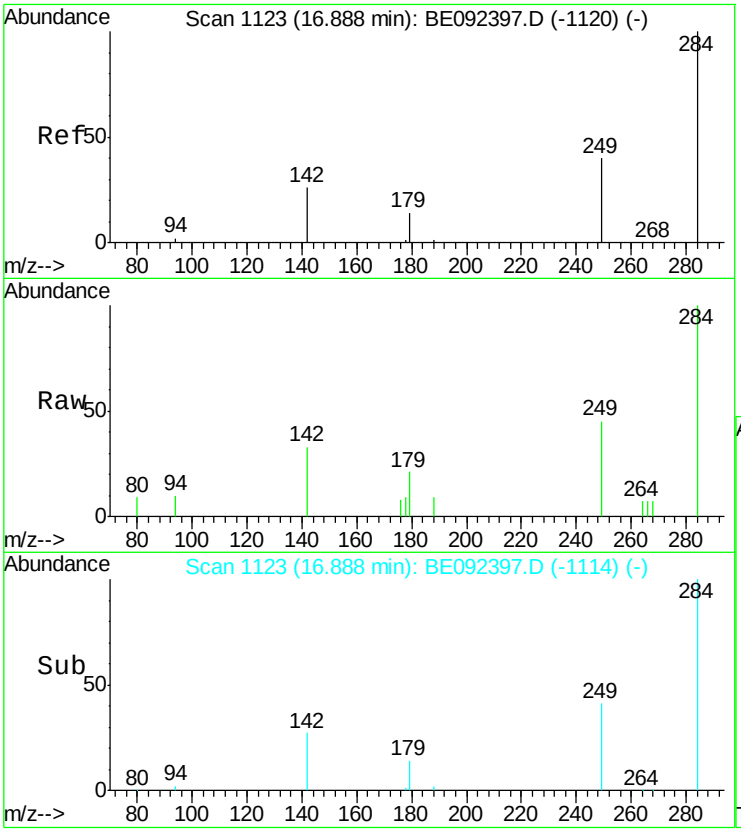


#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:188 Resp: 69571

Ion	Ratio	Lower	Upper
188	100		
94	3.9	3.2	4.8
80	3.4	2.6	3.8

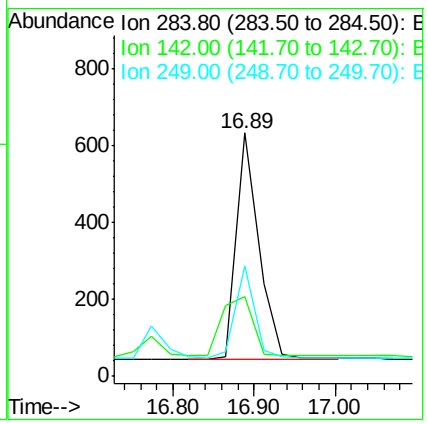




#19
Hexachlorobenzene
Concen: 0.33 ng
RT: 16.89 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:284 Resp: 1114

Ion	Ratio	Lower	Upper
284	100		
142	37.3	29.1	43.7
249	34.6	27.9	41.9



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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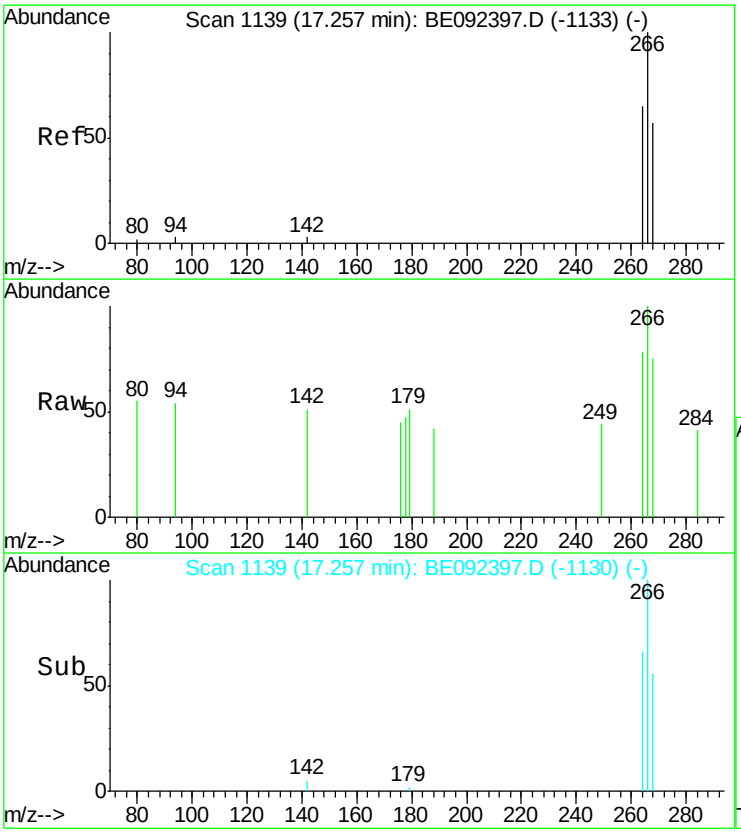
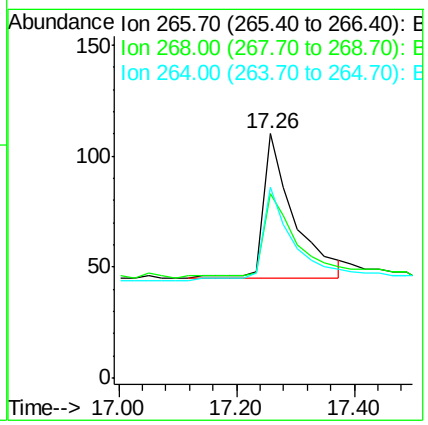
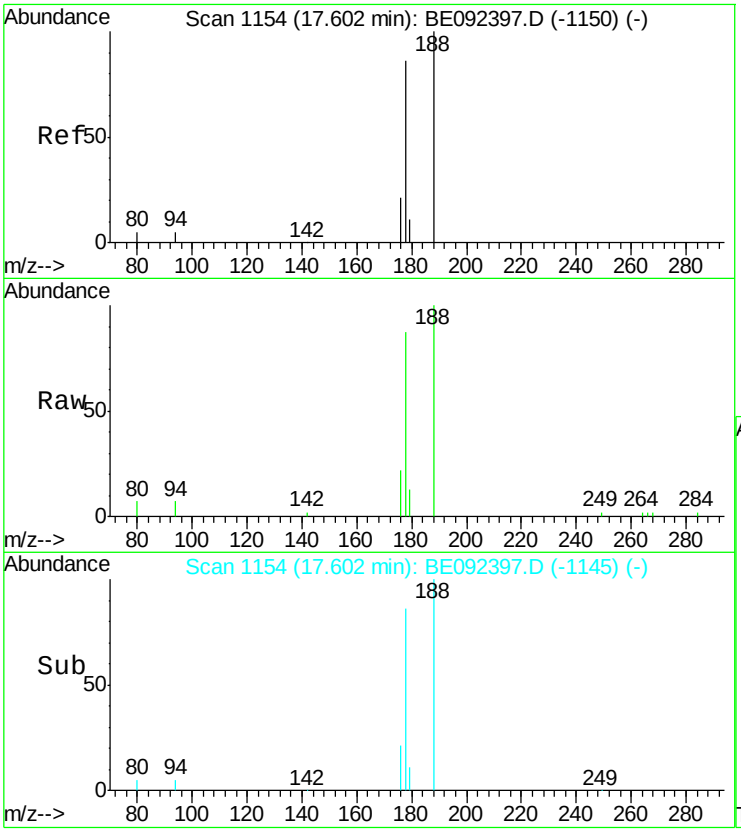


#20
Pentachlorophenol
Concen: 0.32 ng
RT: 17.26 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:266 Resp: 234

Ion	Ratio	Lower	Upper
266	100		
268	75.5	62.5	93.7
264	78.2	57.2	85.8

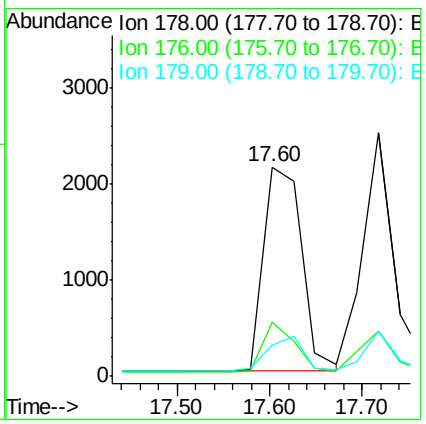




#21
Phenanthrene
Concen: 0.31 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:178 Resp: 6068

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	0.0	16.0	24.0#



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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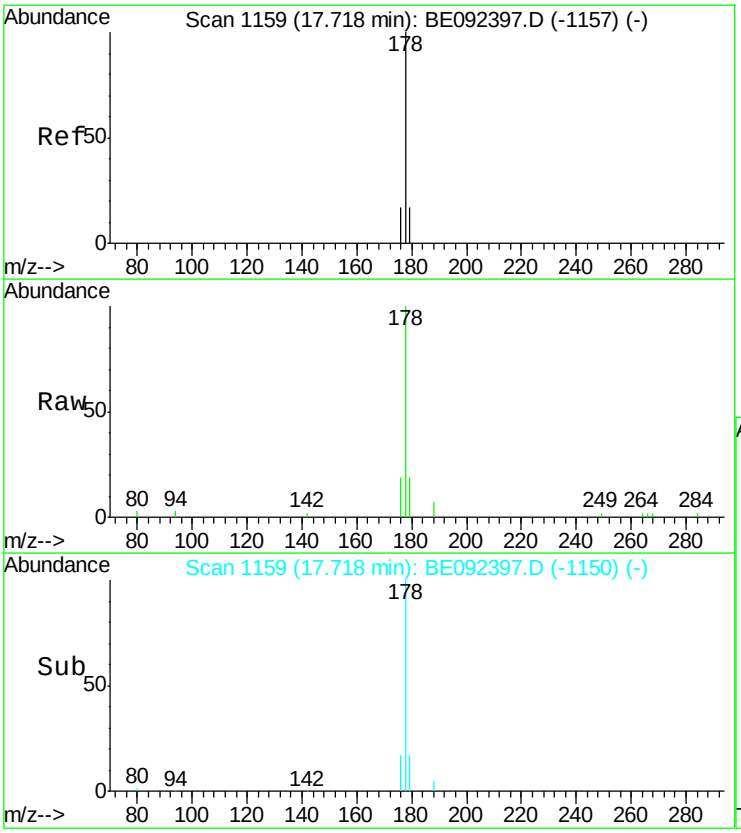
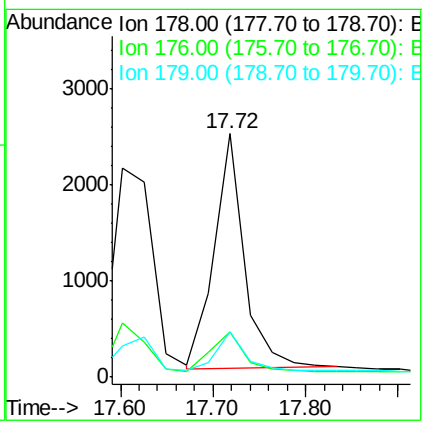
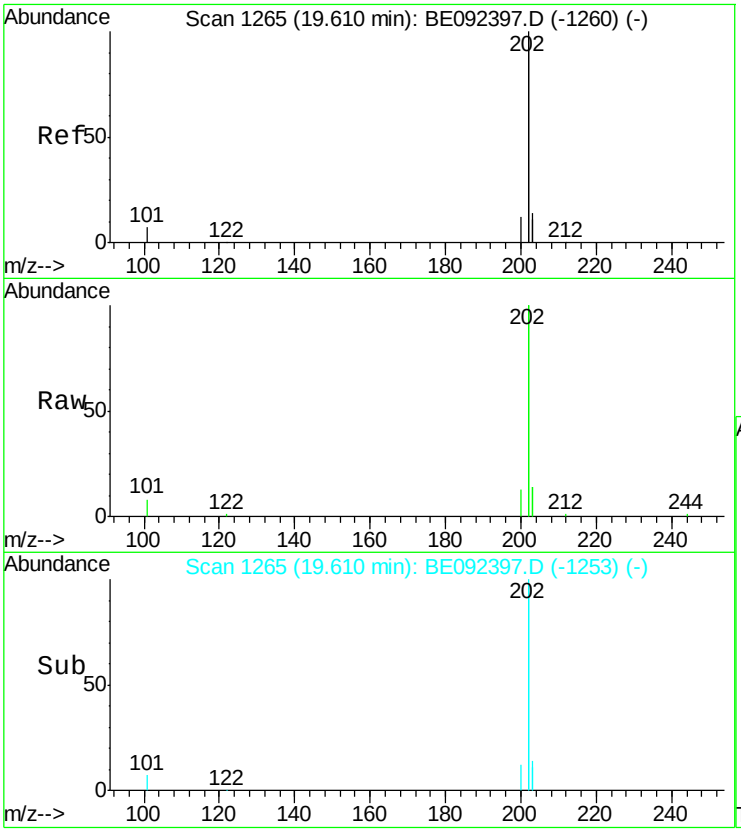


#22
Anthracene
Concen: 0.32 ng
RT: 17.72 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:178 Resp: 5597

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.6	12.2	18.2

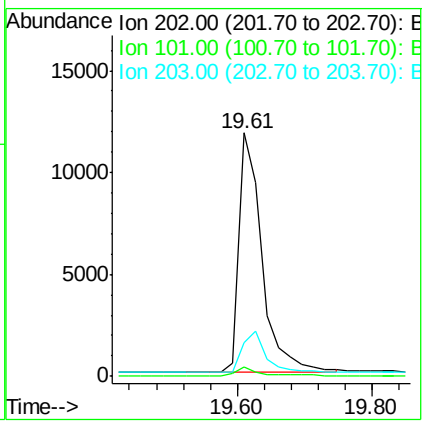




#23
Fluoranthene
Concen: 0.33 ng
RT: 19.61 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:202 Resp: 27989

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



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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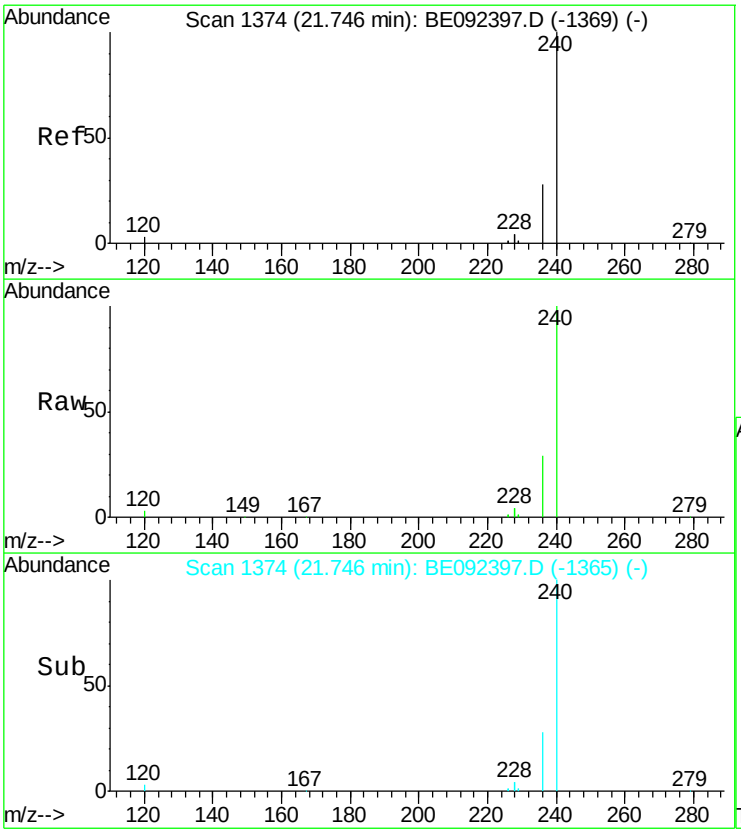
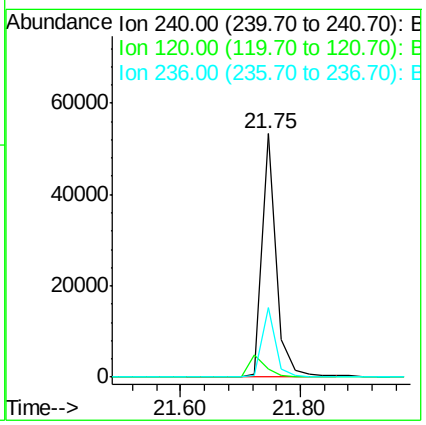
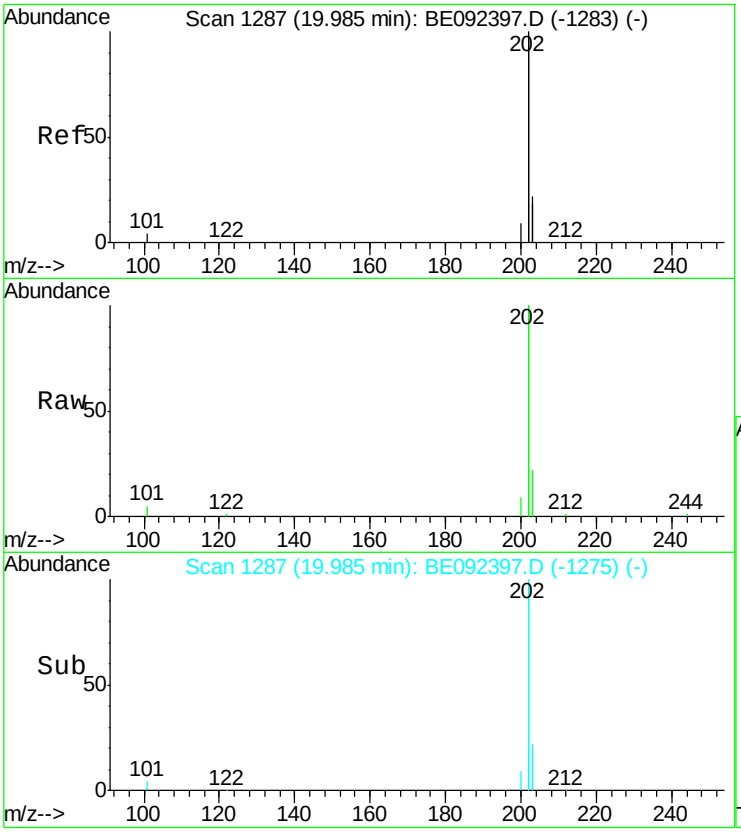


#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:240 Resp: 87816

Ion	Ratio	Lower	Upper
240	100		
120	3.3	2.6	4.0
236	28.5	24.6	37.0





#25
Pyrene
Concen: 0.34 ng
RT: 19.99 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:202 Resp: 29316

Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.5	13.9	20.9

Instrument :
BNA_E
ClientSampleId :
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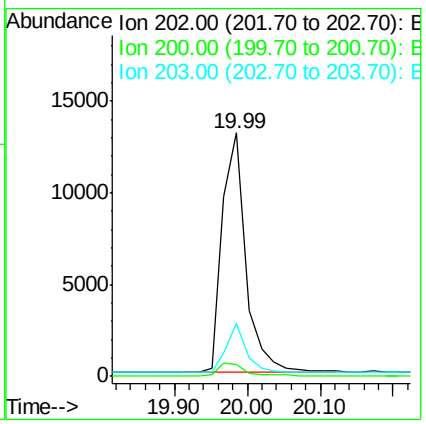
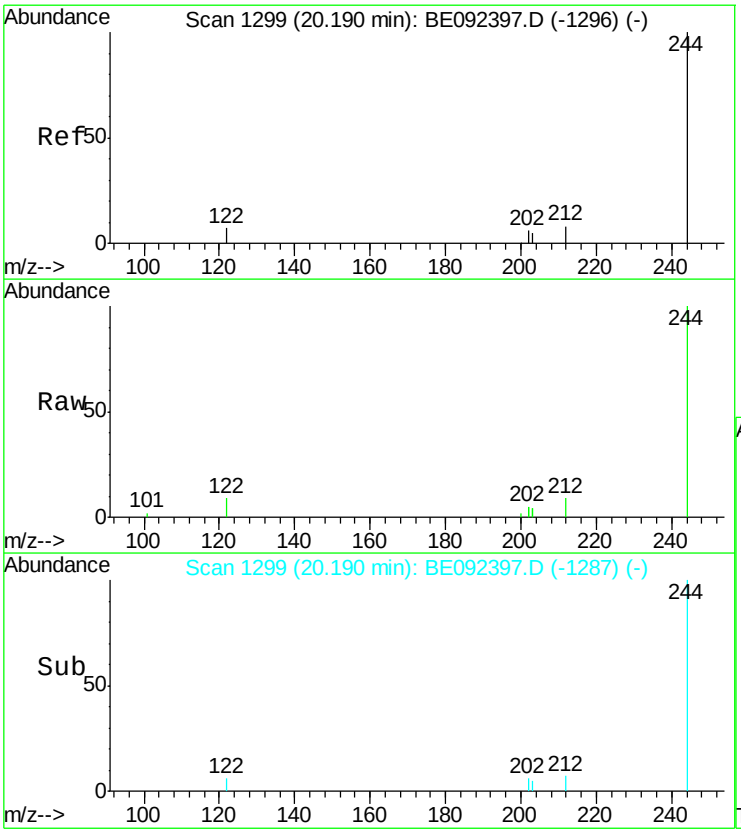
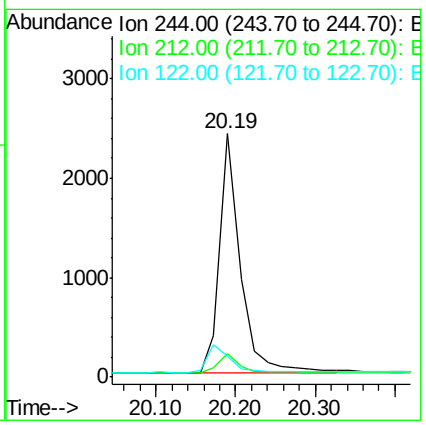


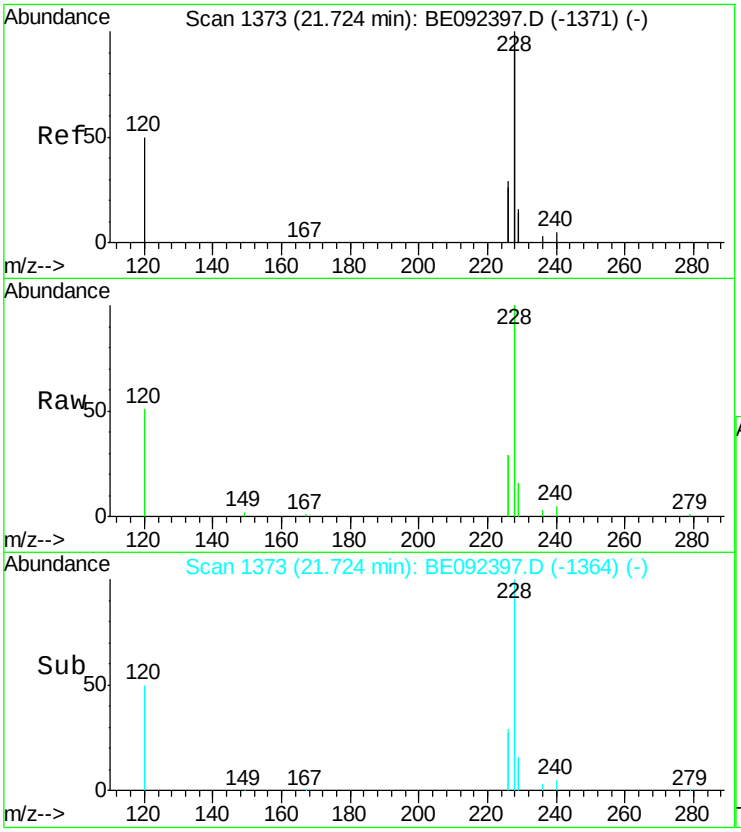


#26
Terphenyl-d14
Concen: 0.33 ng
RT: 20.19 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:244 Resp: 4308

Ion	Ratio	Lower	Upper
244	100		
212	9.4	6.7	10.1
122	8.7	3.6	5.4#

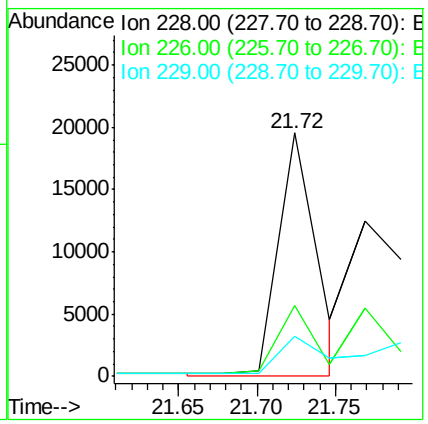




#27
Benzo(a)anthracene
Concen: 0.35 ng m
RT: 21.72 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:228 Resp: 33550

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.6	35.4
229	16.4	13.3	19.9



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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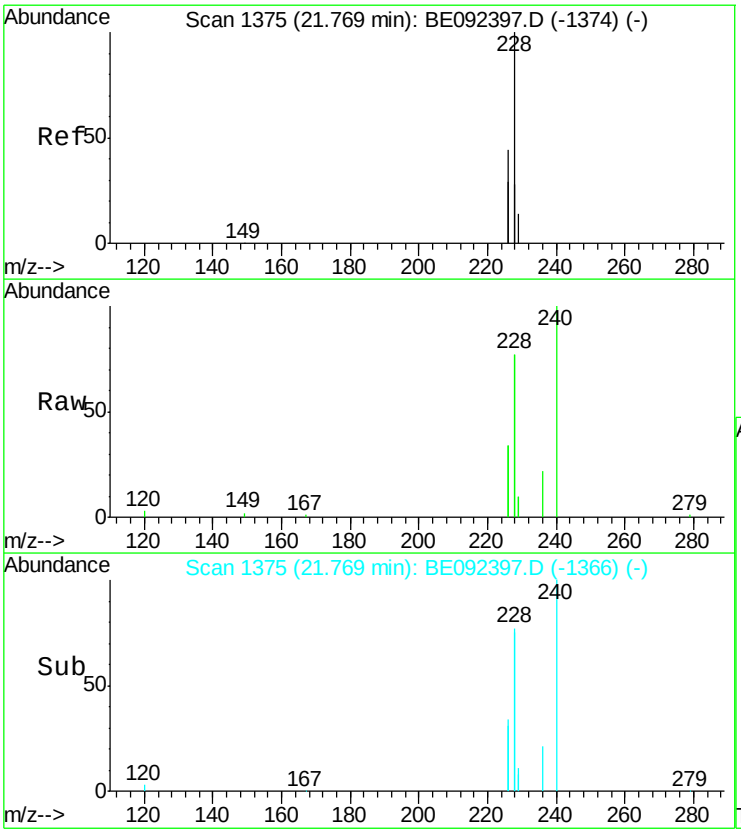
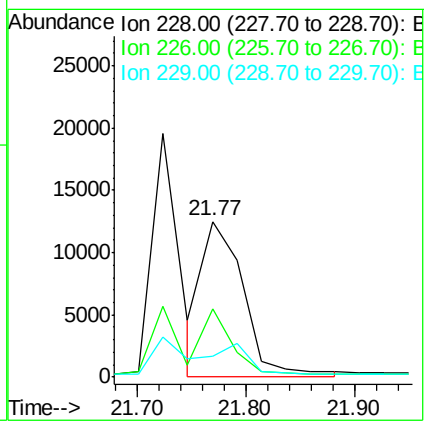
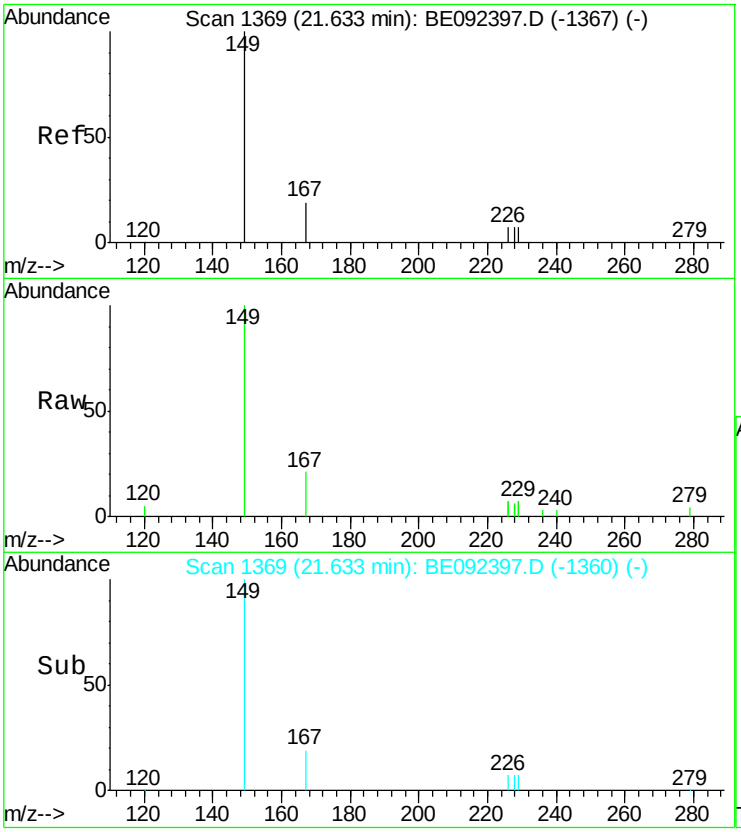


#28
Chrysene
Concen: 0.34 ng m
RT: 21.77 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:228 Resp: 33627

Ion	Ratio	Lower	Upper
228	100		
226	43.9	36.3	54.5
229	13.6	10.6	16.0





#29
Bis(2-ethylhexyl)phthalate
Concen: 0.23 ng
RT: 21.63 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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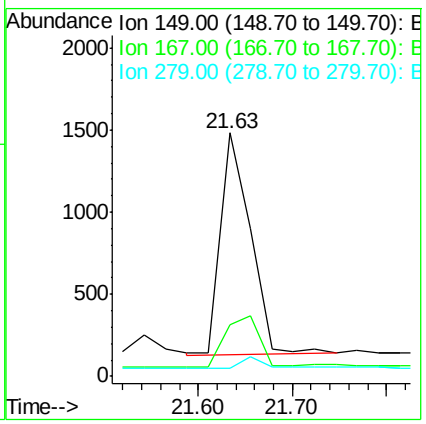
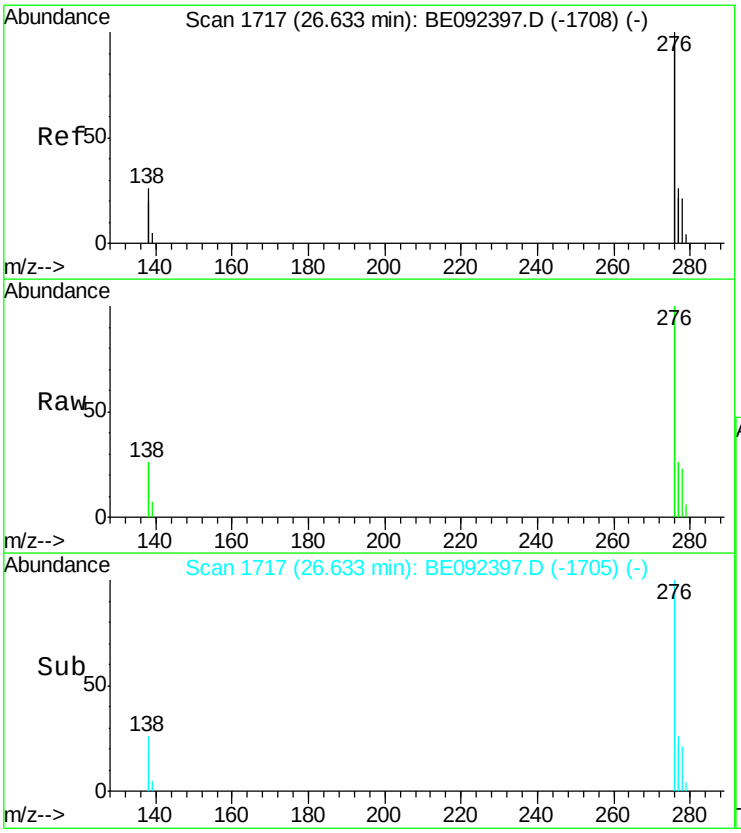
Tgt Ion:149 Resp: 2987

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

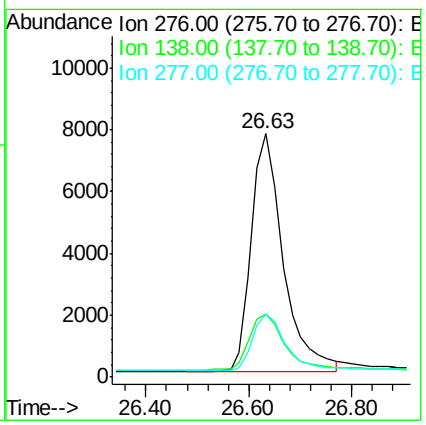


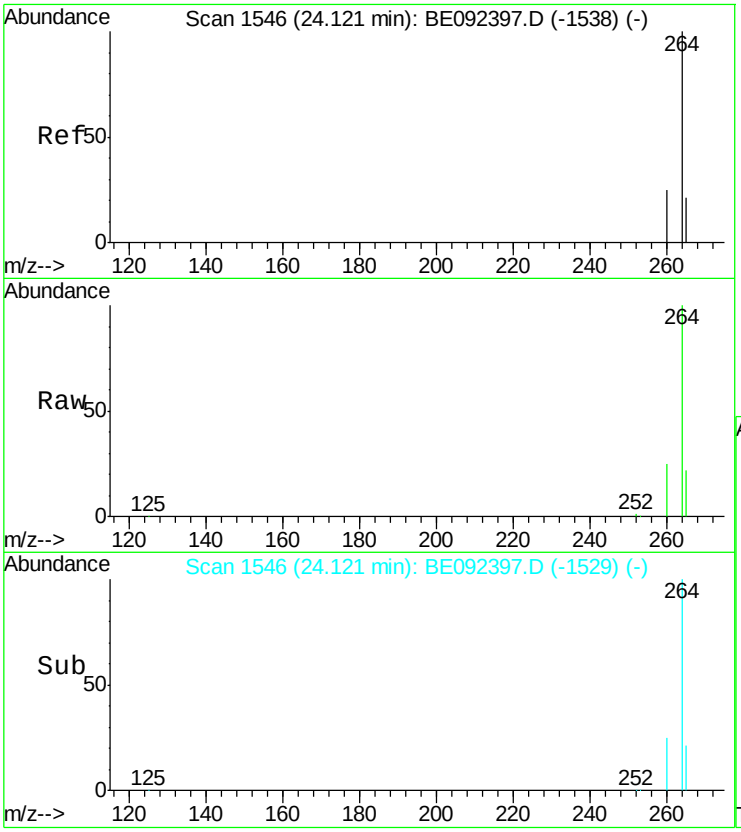


#30
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng
RT: 26.63 min Scan# 1717
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:276 Resp: 32797

Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.3	30.5
277	24.6	19.7	29.5





#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1546
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:264 Resp: 78681

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	22.0	17.9	26.9

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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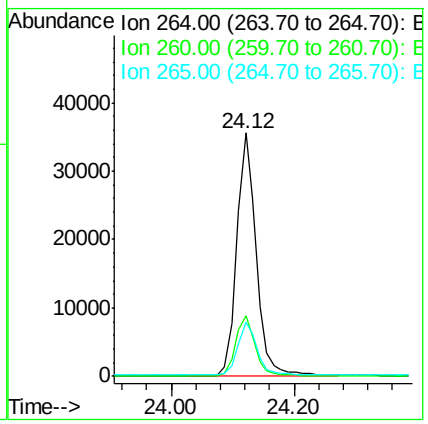
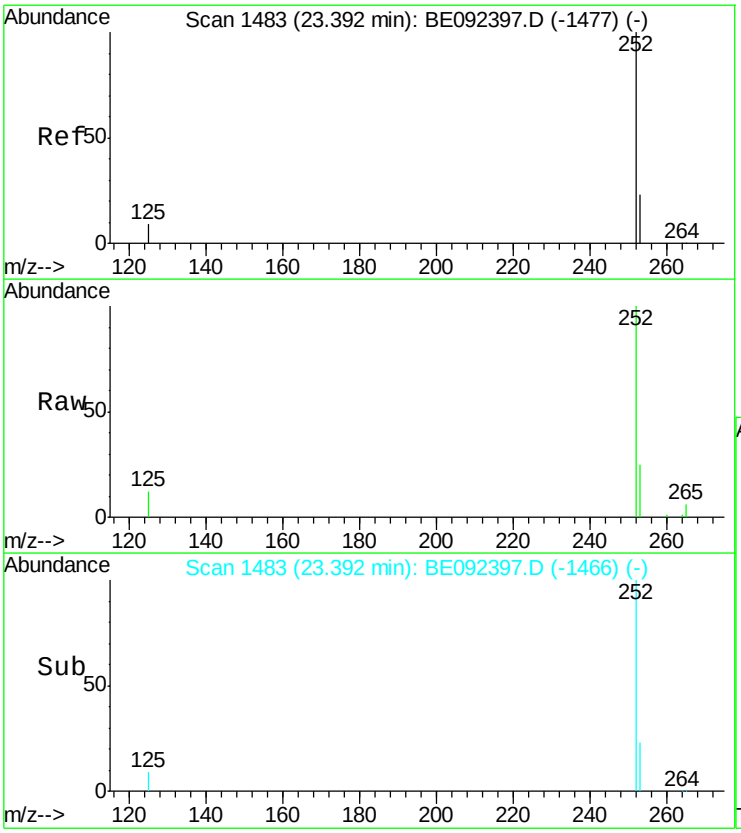
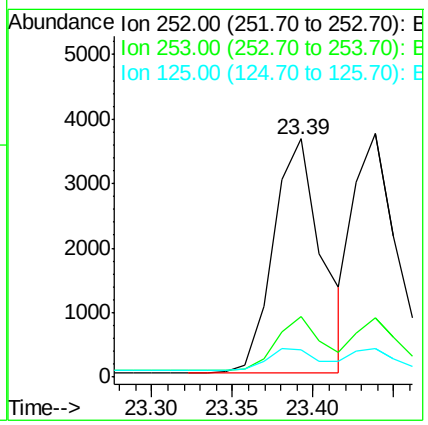


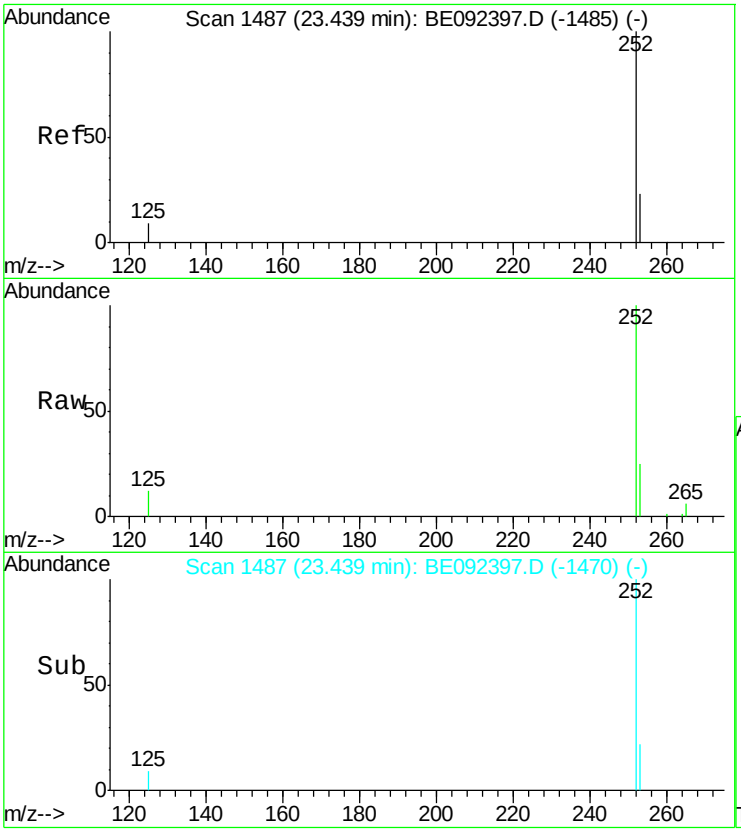


#32
Benzo(b)fluoranthene
Concen: 0.38 ng
RT: 23.39 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:252 Resp: 7578

Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.7	28.1
125	11.7	10.5	15.7





#33
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.44 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:252 Resp: 7421

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.3	30.5
125	11.8	9.6	14.4

Instrument :
BNA_E
ClientSampleId :
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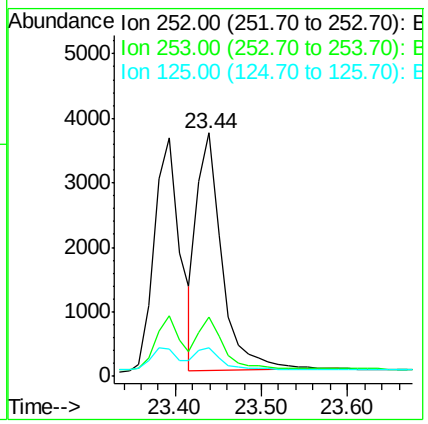
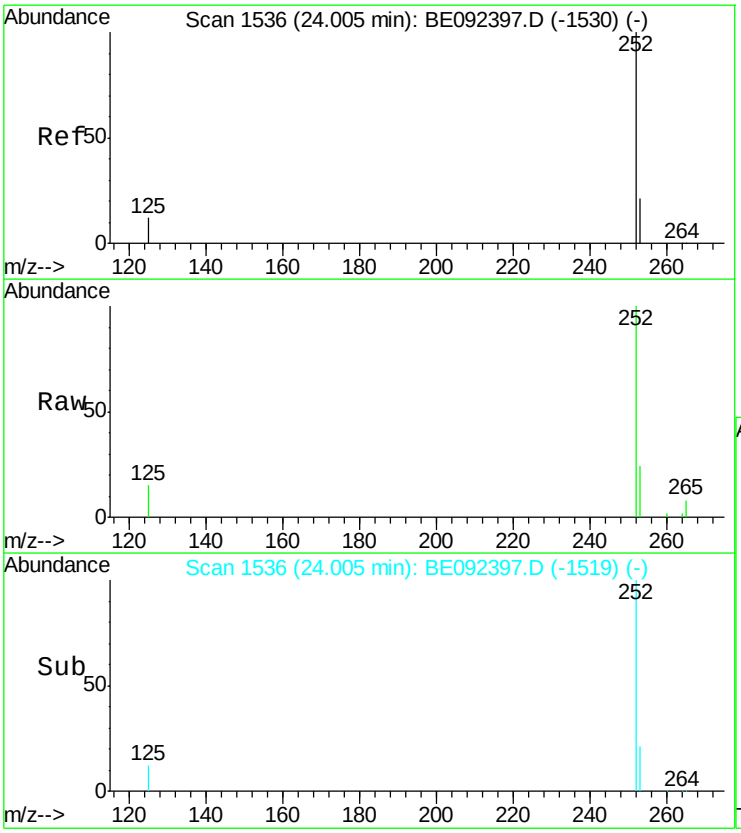
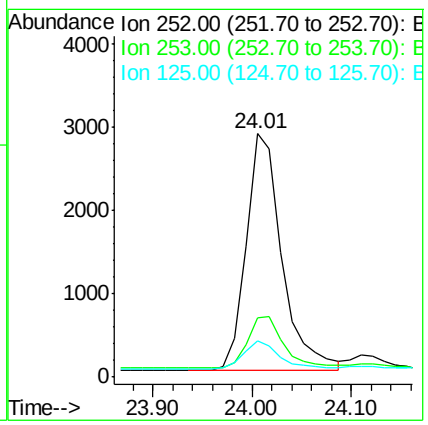


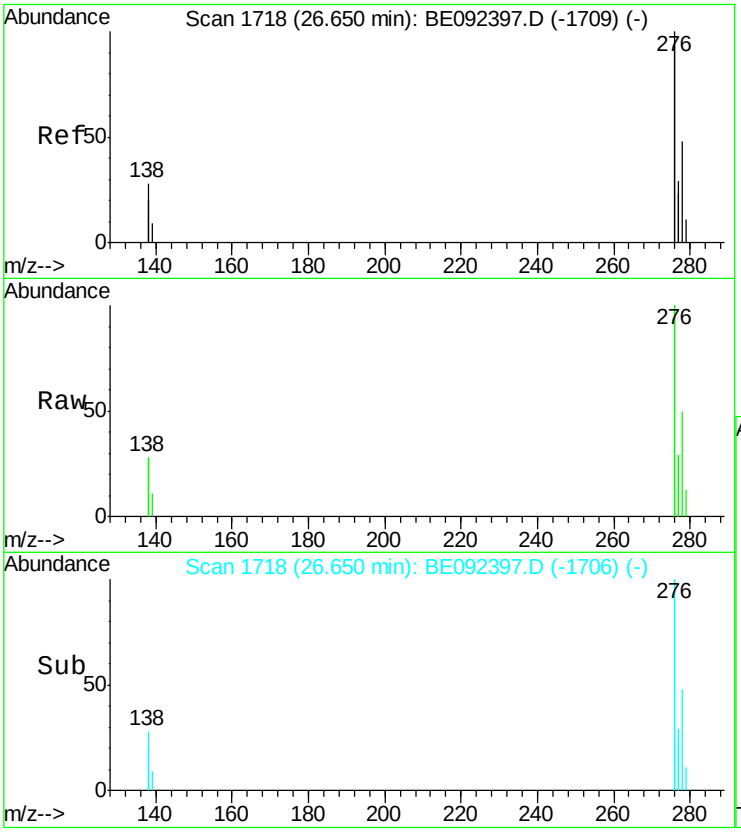


#34
Benzo(a)pyrene
Concen: 0.35 ng
RT: 24.01 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:252 Resp: 7056

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	14.9	11.8	17.8

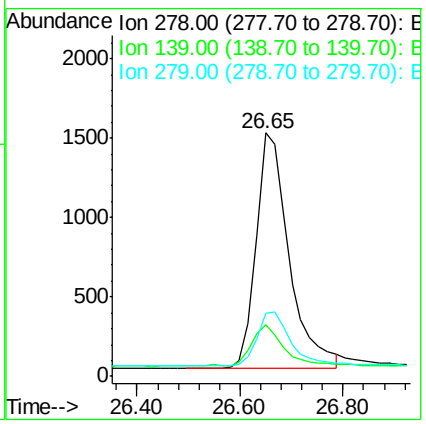




#35
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.65 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:278 Resp: 6553

Ion	Ratio	Lower	Upper
278	100		
139	21.3	13.8	20.8#
279	26.0	21.4	32.2



Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

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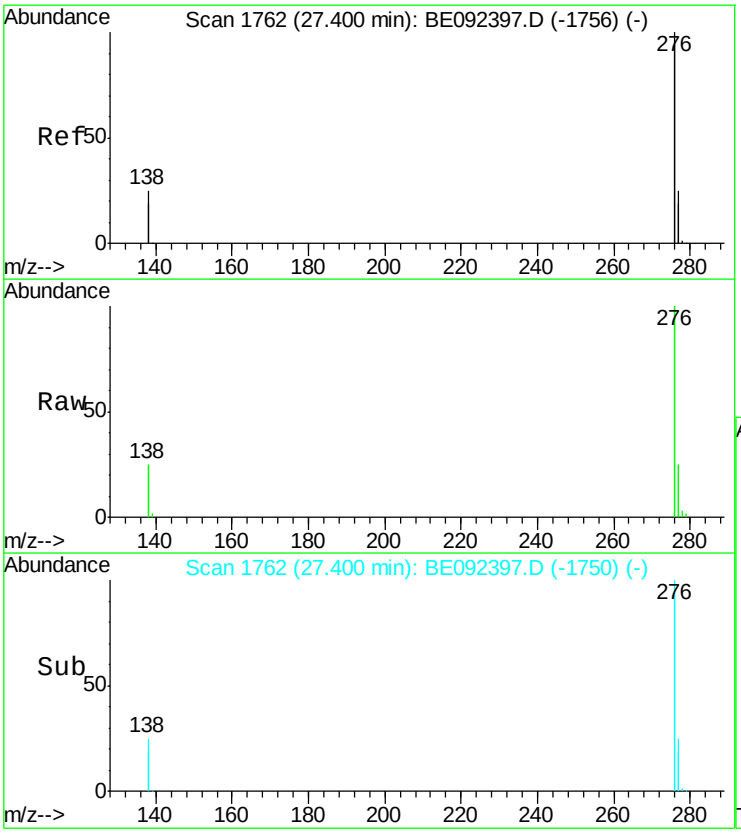

#36
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 27.40 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BE092397.D
Acq: 22 Sep 2016 15:59

Tgt Ion:276 Resp: 28524

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	25.4	19.8	29.6