

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091015\
 Data File : BE090772.D
 Acq On : 10 Sep 2015 21:45
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

MMDadoda
 9/11/2015 4:01:37 PM

Quant Time: Sep 11 03:42:55 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	52957	5.00	ng	0.00
6) Naphthalene-d8	10.30	136	252783	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	137768	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	333311	5.00	ng	0.00
25) Chrysene-d12	21.07	240	388410	5.00	ng	0.00
32) Perylene-d12	23.36	264	340460	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	7925m	0.78	ng	0.00
5) Phenol-d6	6.76	99	12884	0.87	ng	0.00
7) Nitrobenzene-d5	8.70	82	13334	0.80	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	2687	0.81	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	31130	0.82	ng	0.00
27) Terphenyl-d14	19.54	244	37192	0.87	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.16	88	6708	0.82	ng	99
3) n-Nitrosodimethylamine	3.46	42	7850	0.77	ng	# 95
8) Nitrobenzene	8.74	77	14894	0.82	ng	98
9) Naphthalene	10.35	128	47134	0.85	ng	100
10) Hexachlorobutadiene	10.65	225	7179	0.83	ng	99
11) 2-Methylnaphthalene	11.98	142	26917	0.90	ng	99
15) Acenaphthylene	13.89	152	183350	0.83	ng	100
16) Acenaphthene	14.23	154	31516	0.86	ng	94
17) Fluorene	15.22	166	38839	0.85	ng	98
19) 4-Bromophenyl-phenylether	16.13	248	9479	0.83	ng	96
20) Hexachlorobenzene	16.23	284	50365	0.82	ng	99
21) Pentachlorophenol	16.60	266	2000	0.87	ng	94
22) Phenanthrene	16.94	178	70582	0.86	ng	100
23) Anthracene	17.05	178	59589	0.86	ng	99
24) Fluoranthene	18.96	202	67606	0.78	ng	100
26) Pyrene	19.32	202	71993	0.90	ng	100
28) Benzo(a)anthracene	21.05	228	74359	0.86	ng	99
29) Chrysene	21.11	228	86255	0.90	ng	98
30) Bis(2-ethylhexyl)phthalate	21.00	149	15192	0.72	ng	99
31) Indeno(1,2,3-cd)pyrene	25.72	276	77922	0.85	ng	99
33) Benzo(b)fluoranthene	22.66	252	62896	0.85	ng	99
34) Benzo(k)fluoranthene	22.71	252	74152	0.86	ng	100
35) Benzo(a)pyrene	23.26	252	55933	0.85	ng	99
36) Dibenzo(a,h)anthracene	25.74	278	59738	0.86	ng	100
37) Benzo(g,h,i)perylene	26.45	276	61253	0.81	ng	97

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

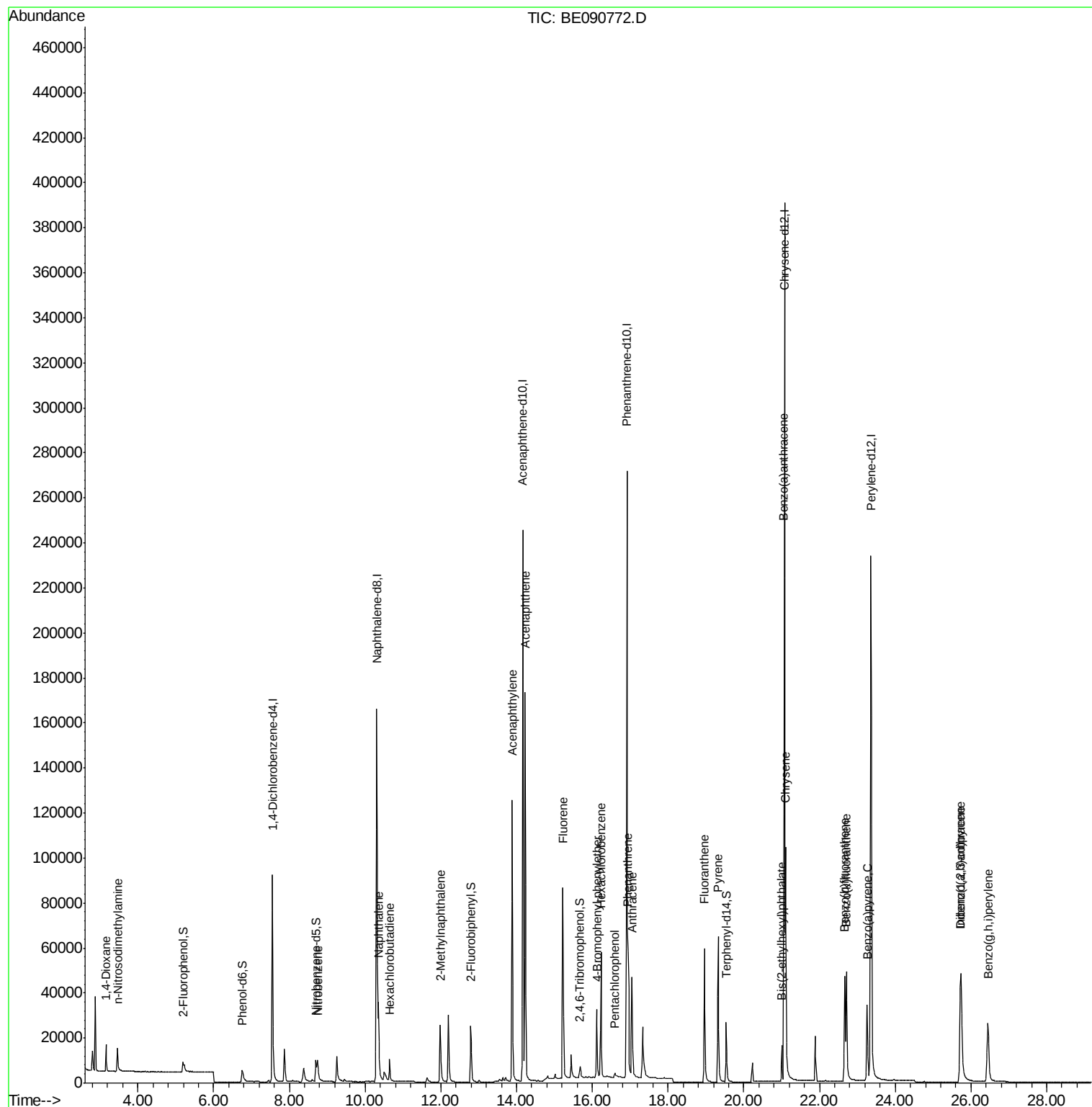
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091015\
Data File : BE090772.D
Acq On : 10 Sep 2015 21:45
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Sample : SSTDCCC001
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Instrument :
BNA_E
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Manual Integrations
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Quant Time: Sep 11 03:42:55 2015
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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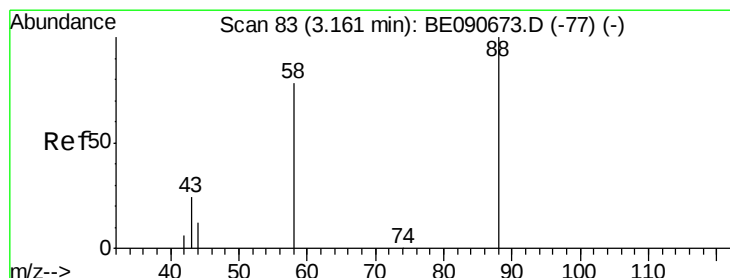
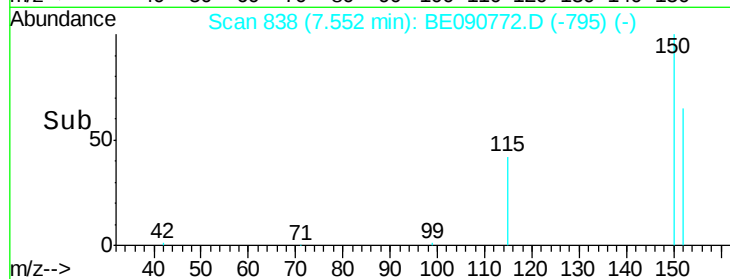
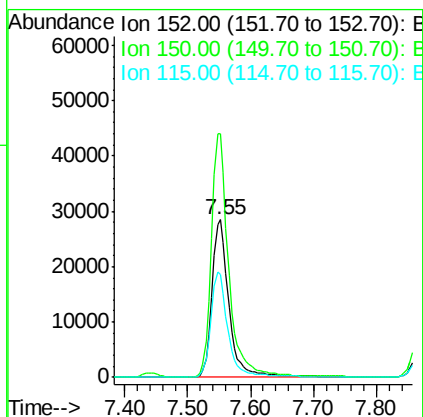
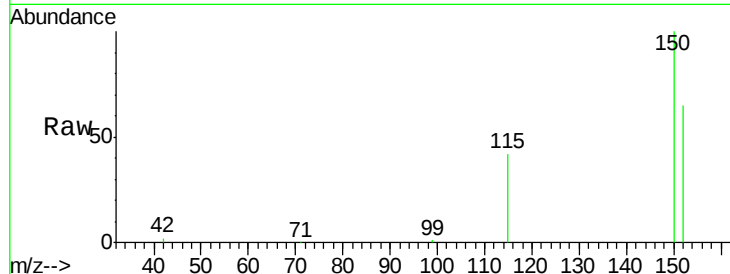
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 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.55 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.2	183.4
115	65.0	51.0	76.4

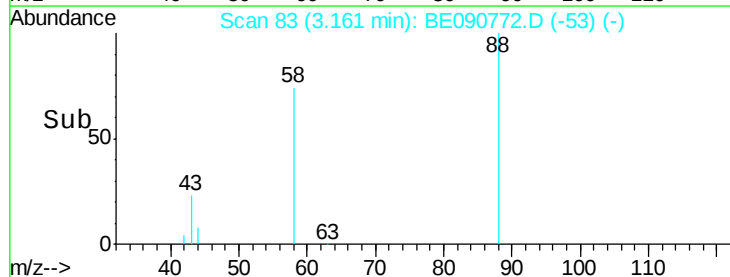
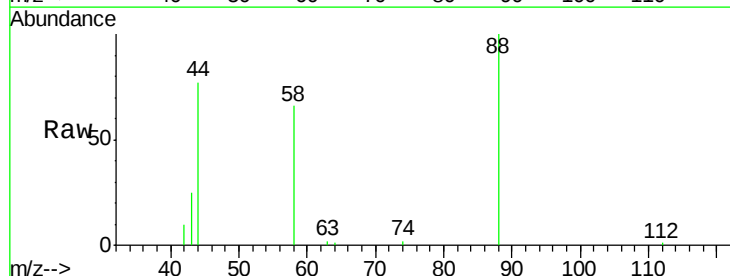
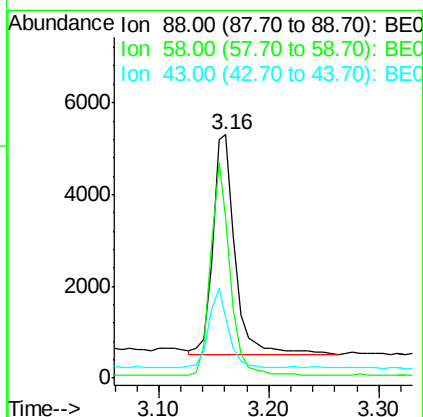
Manual Integrations
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 9/11/2015 4:01:37 PM



#2
 1,4-Dioxane
 Concen: 0.82 ng
 RT: 3.16 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.5	68.4	102.6
43	32.1	26.9	40.3





#3

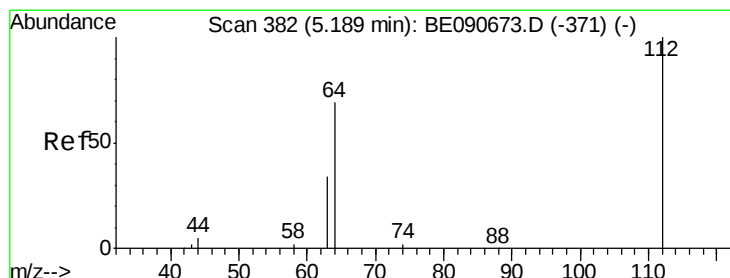
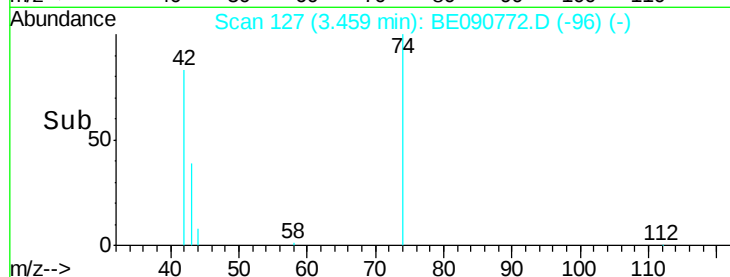
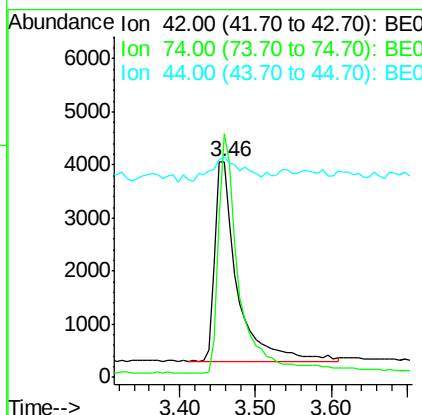
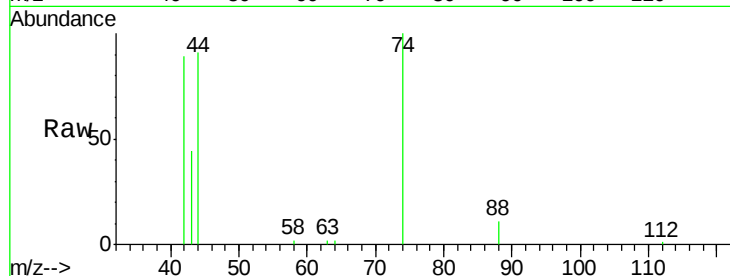
n-Nitrosodimethylamine
 Concen: 0.77 ng
 RT: 3.46 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Manual Integrations
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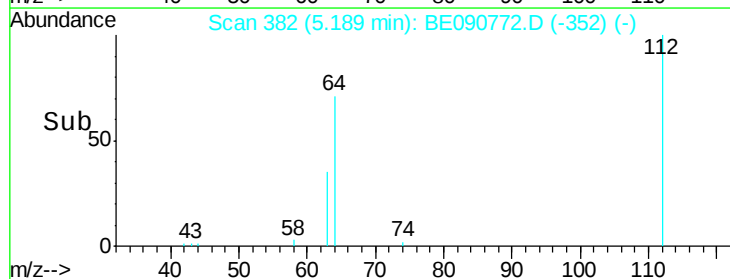
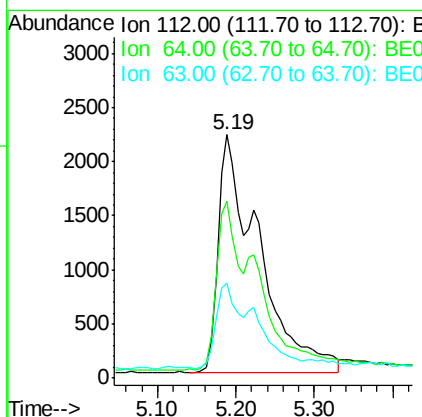
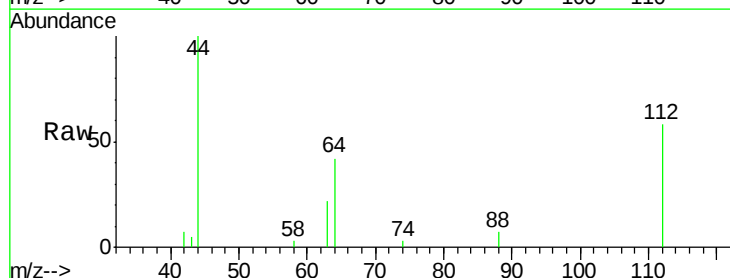
Tgt Ion	Ratio	Lower	Upper
42	100		
74	109.4	83.7	125.5
44	15.3	10.0	15.0#



#4

2-Fluorophenol
 Concen: 0.78 ng m
 RT: 5.19 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	38.2	57.3	85.9#
63	19.6	29.2	43.8#





#5

Phenol-d6

Concen: 0.87 ng

RT: 6.76 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090772.D

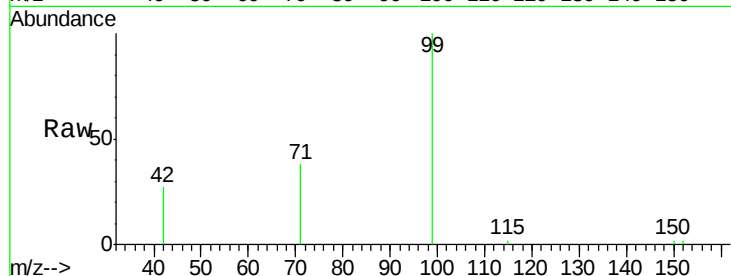
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Instrument :

BNA_E

ClientSampleId :

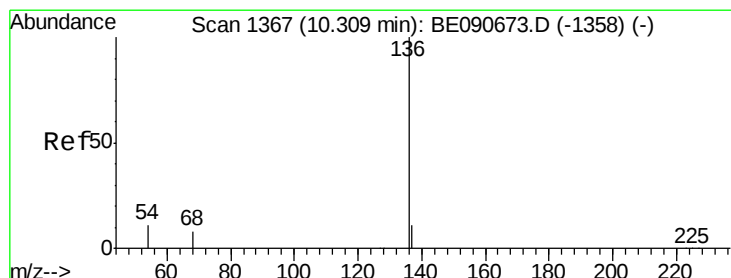
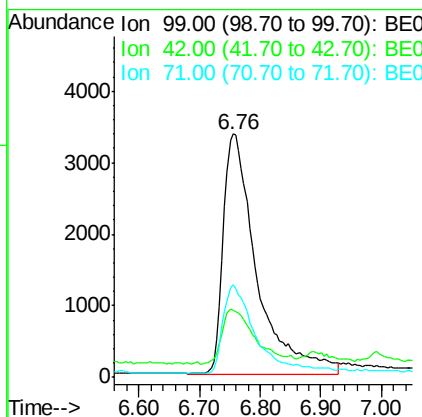
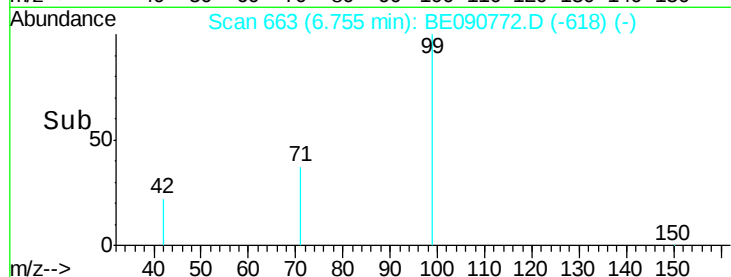
SSTDCCC001



Tgt Ion:	99	Resp:	12884
Ion	Ratio	Lower	Upper
99	100		
42	22.8	16.8	25.2
71	35.5	28.3	42.5

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#6

Naphthalene-d8

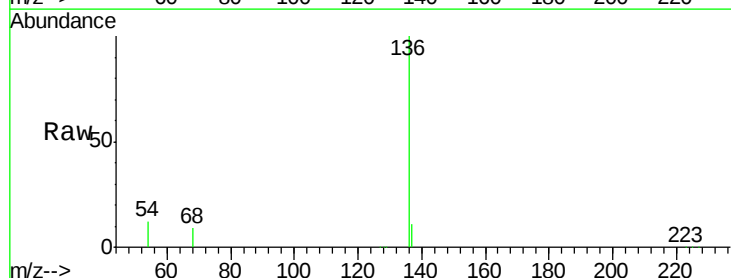
Concen: 5.00 ng

RT: 10.30 min Scan# 1366

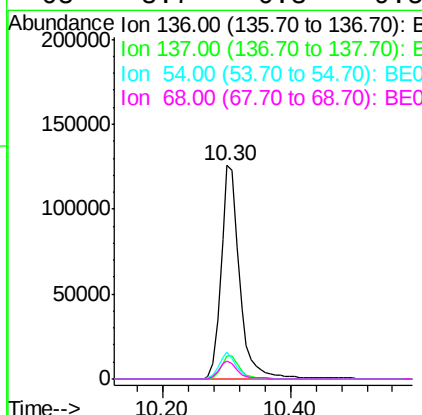
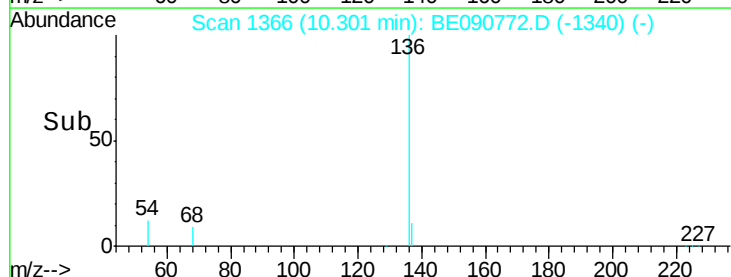
Delta R.T. -0.01 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45



Tgt Ion:	136	Resp:	252783
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	12.4	9.0	13.6
68	8.7	6.3	9.5





#7

Nitrobenzene-d5

Concen: 0.80 ng

RT: 8.70 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

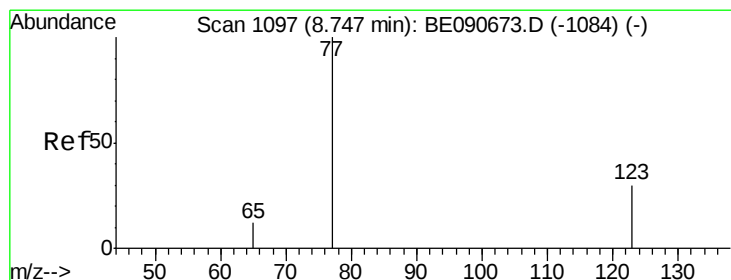
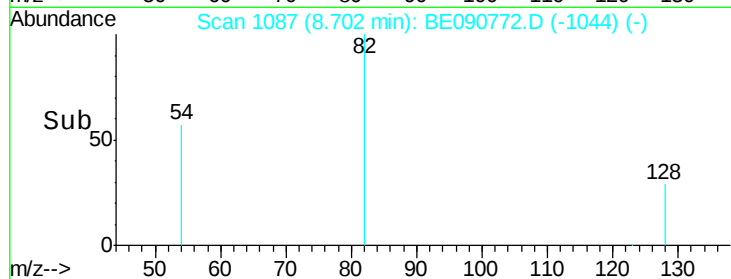
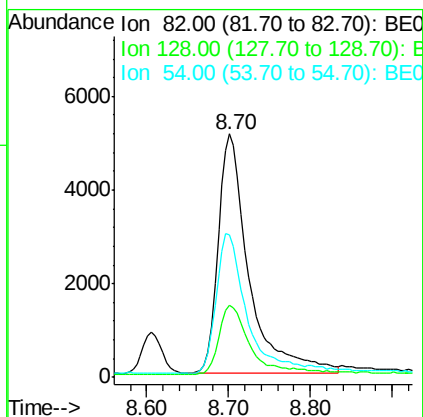
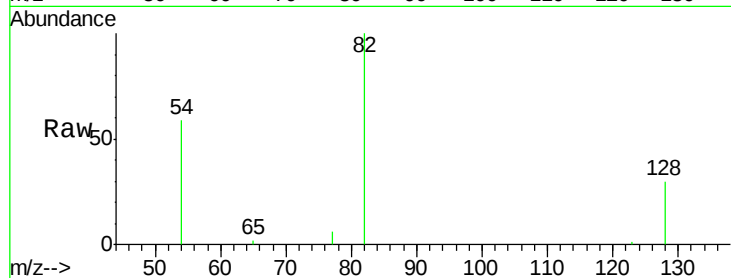
ClientSampleId :

SSTDCCC001

Tgt Ion:	82	Resp:	13334
Ion Ratio	Lower	Upper	
82	100		
128	29.8	25.0	37.4
54	58.7	46.3	69.5

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#8

Nitrobenzene

Concen: 0.82 ng

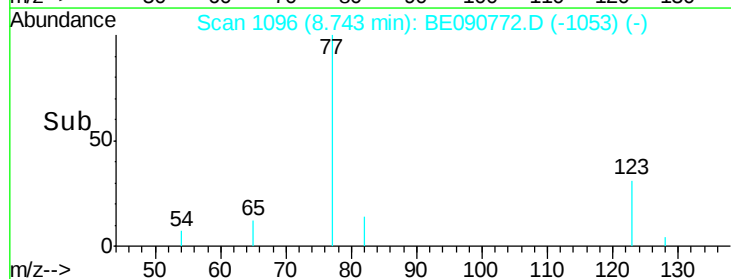
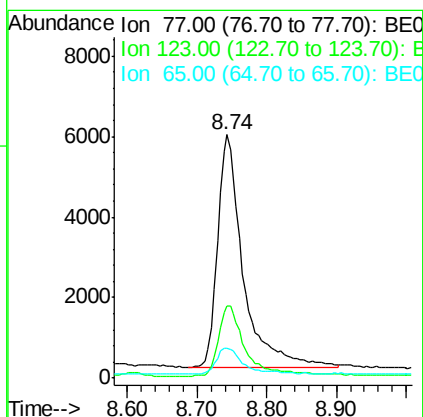
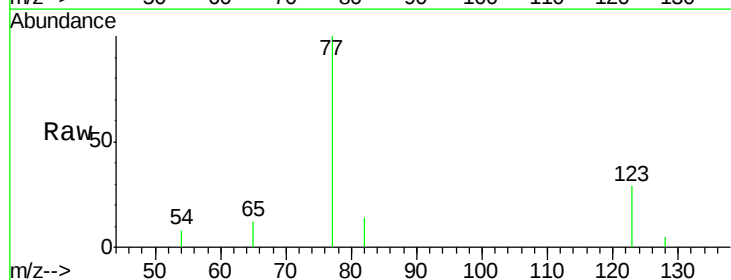
RT: 8.74 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Tgt Ion:	77	Resp:	14894
Ion Ratio	Lower	Upper	
77	100		
123	32.2	25.1	37.7
65	11.4	9.9	14.9





#9

Naphthalene

Concen: 0.85 ng

RT: 10.35 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE090772.D

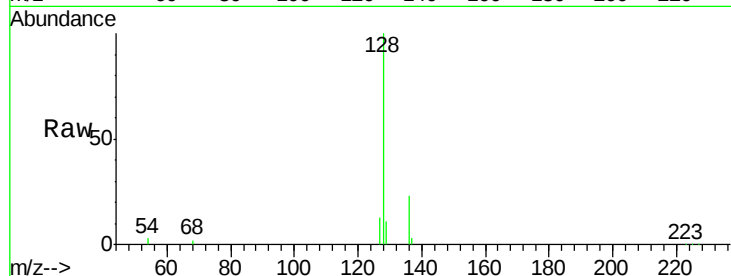
Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

ClientSampleId :

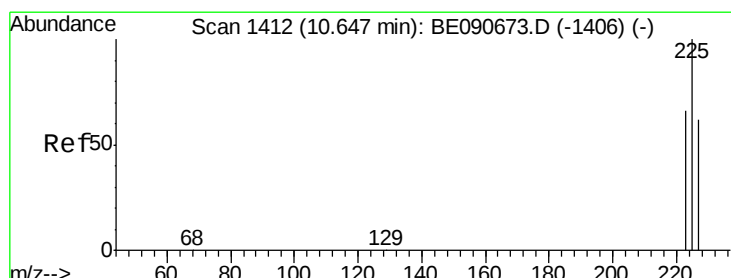
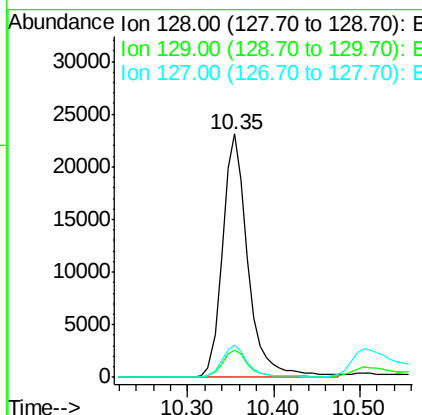
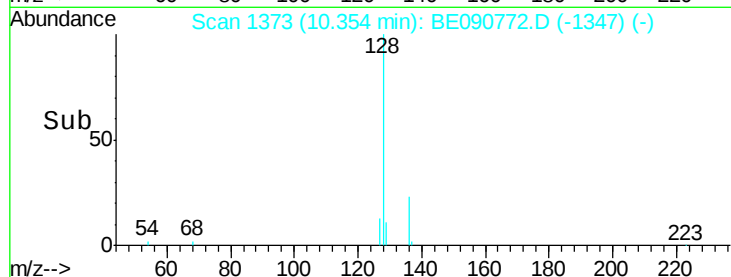
SSTDCCC001



Tgt Ion:	128	Resp:	47134
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	13.2	10.6	15.8

Manual Integrations
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#10

Hexachlorobutadiene

Concen: 0.83 ng

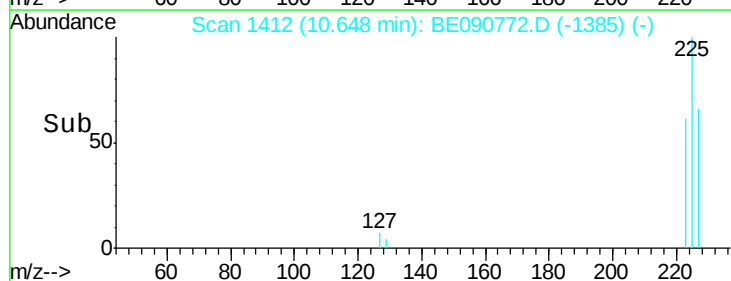
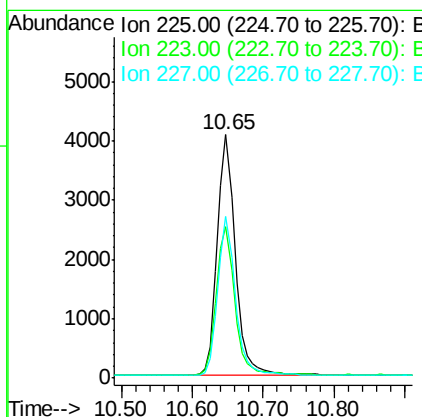
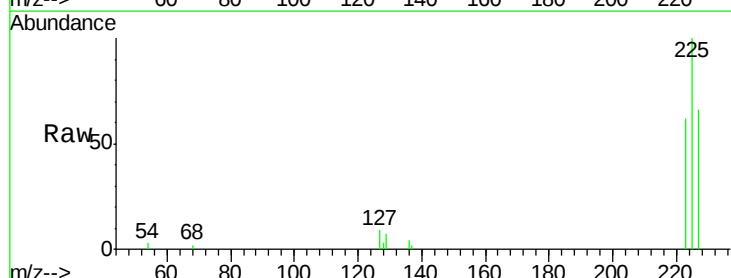
RT: 10.65 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Tgt Ion:	225	Resp:	7179
Ion Ratio	Lower	Upper	
225	100		
223	62.6	50.6	76.0
227	64.0	51.0	76.6





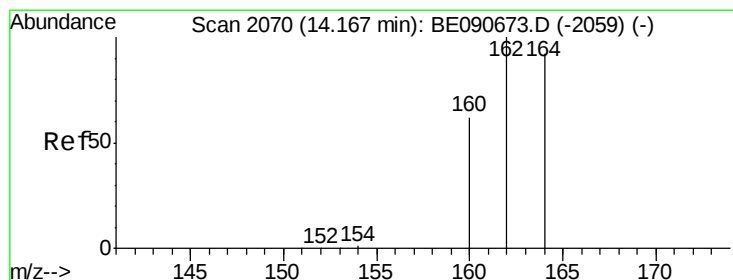
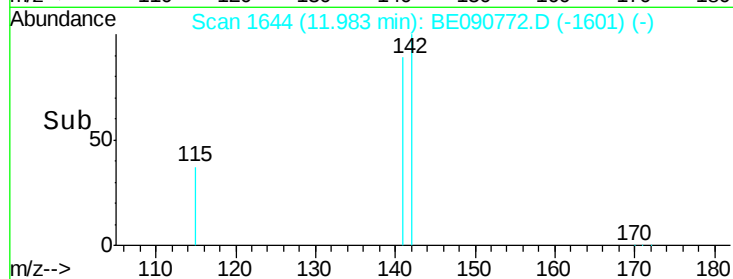
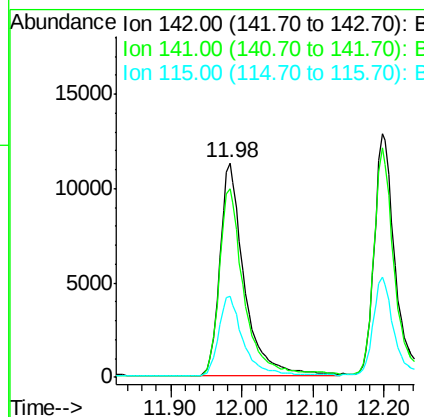
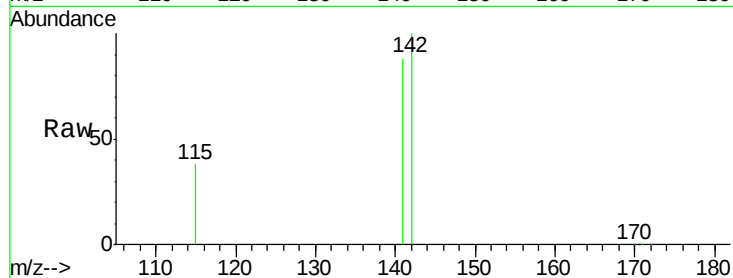
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2-Methylnaphthalene
Concen: 0.90 ng
RT: 11.98 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.4	107.2
115	37.6	31.0	46.4

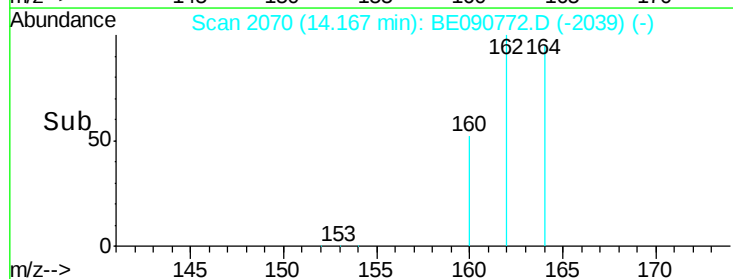
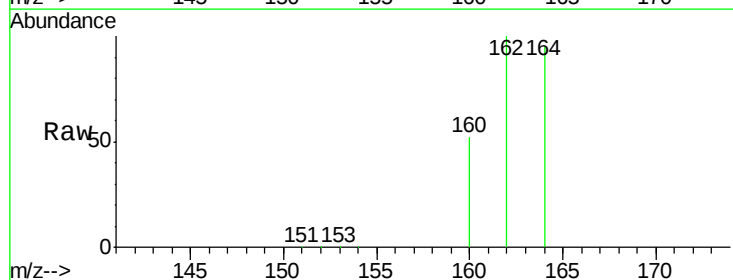
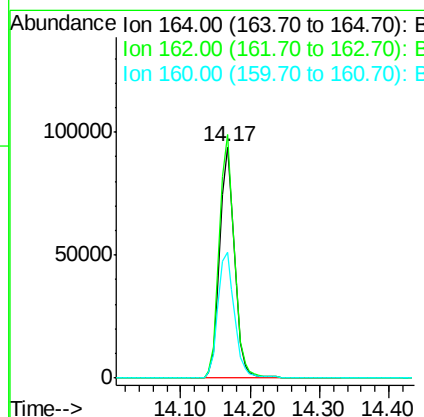
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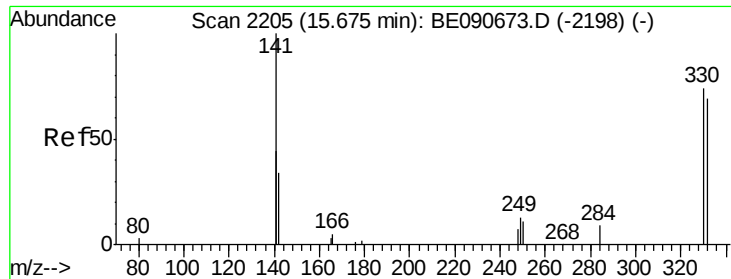
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.8	130.2
160	54.6	53.9	80.9





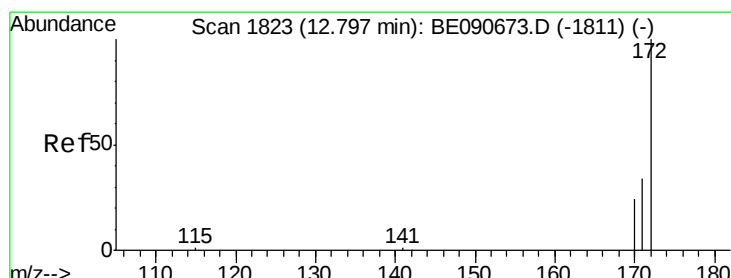
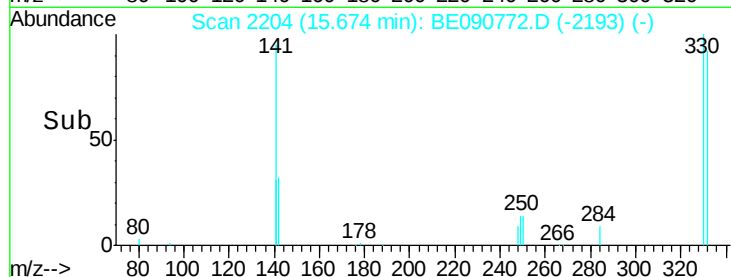
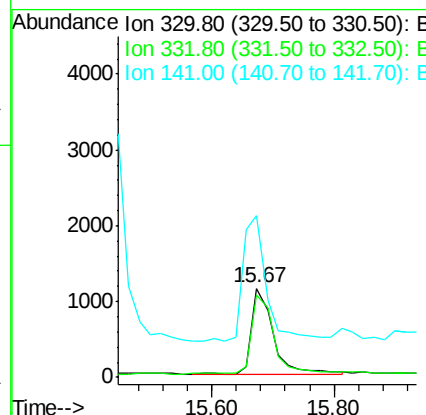
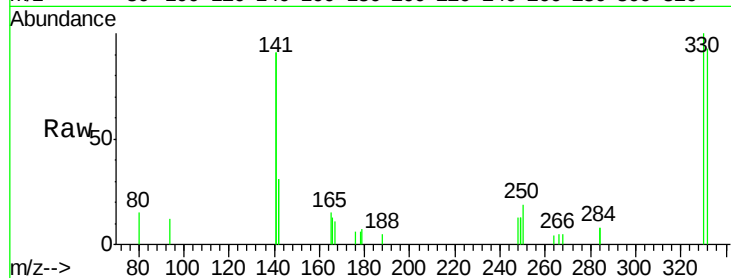
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 2,4,6-Tribromophenol
 Concen: 0.81 ng
 RT: 15.67 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	74.9	112.3
141	163.5	145.2	217.8

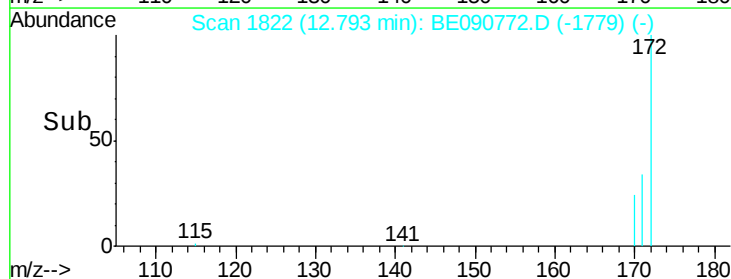
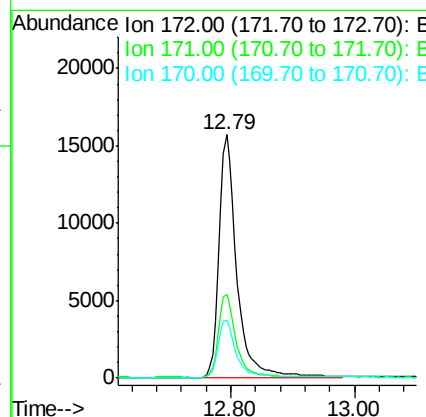
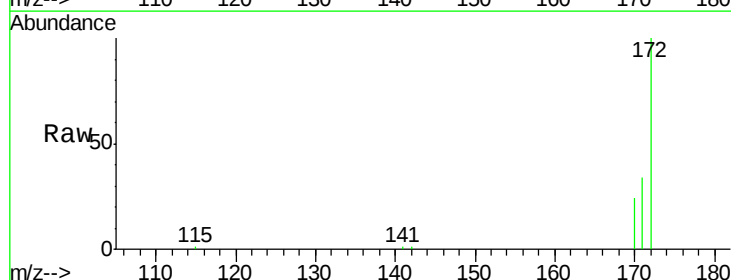
Manual Integrations
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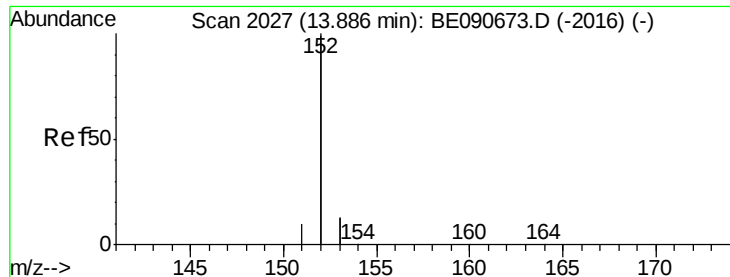
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#14
 2-Fluorobiphenyl
 Concen: 0.82 ng
 RT: 12.79 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.8
170	23.8	19.8	29.6





#15

Acenaphthylene

Concen: 0.83 ng

RT: 13.89 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

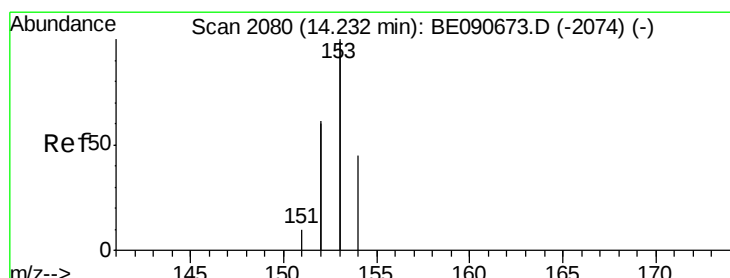
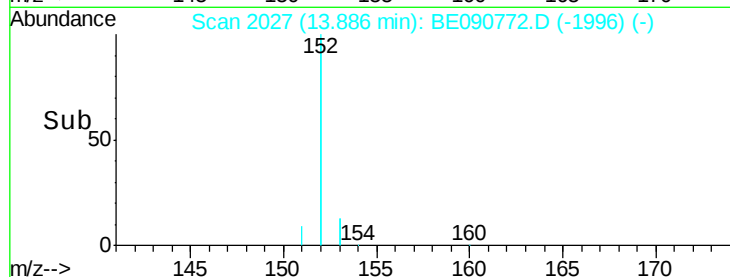
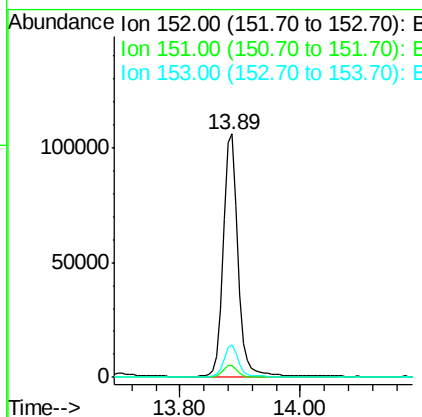
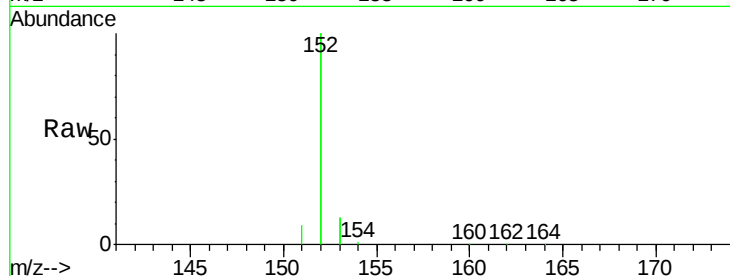
ClientSampleId :

SSTDCCC001

Tgt Ion:	152	Resp:	183350
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.9	5.9
153	13.0	10.3	15.5

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#16

Acenaphthene

Concen: 0.86 ng

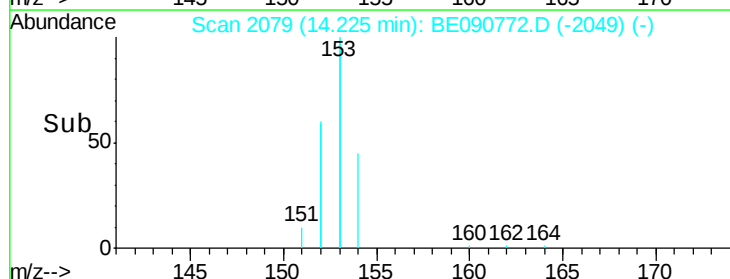
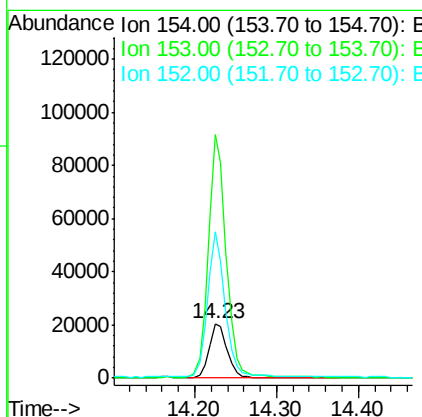
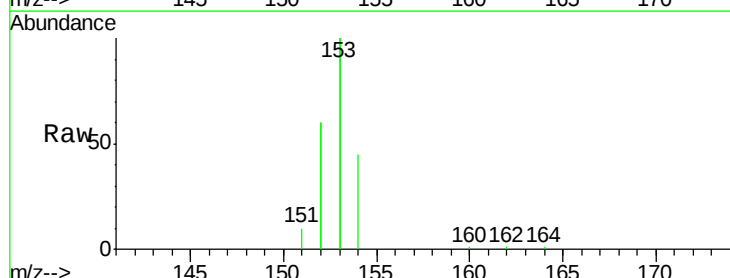
RT: 14.23 min Scan# 2079

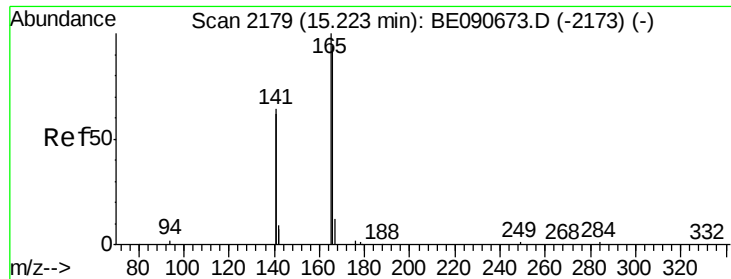
Delta R.T. -0.01 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Tgt Ion:	154	Resp:	31516
Ion Ratio	Lower	Upper	
154	100		
153	437.8	354.5	531.7
152	260.8	227.8	341.6





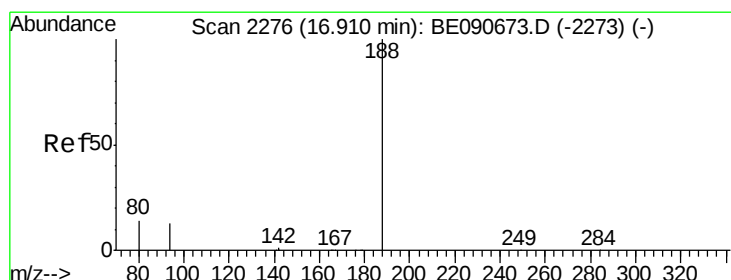
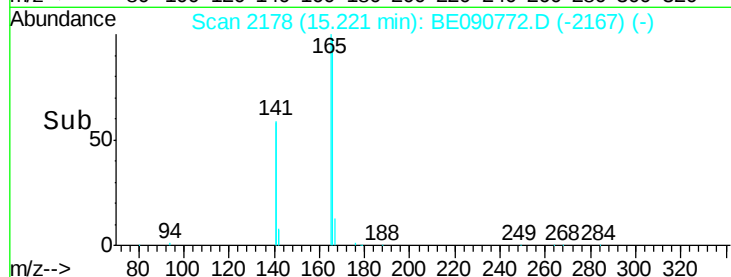
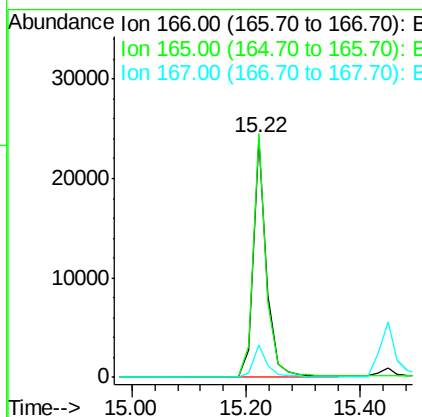
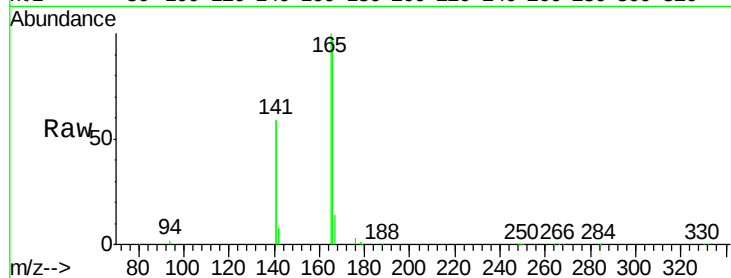
#17
Fluorene
Concen: 0.85 ng
RT: 15.22 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	38839		
165	100.8	82.7	124.1	
167	13.9	10.7	16.1	

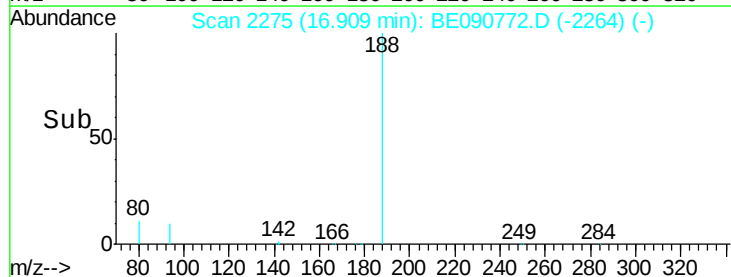
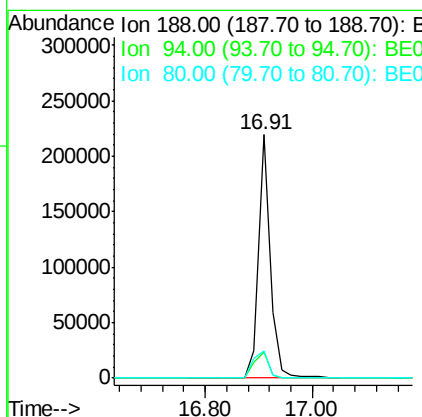
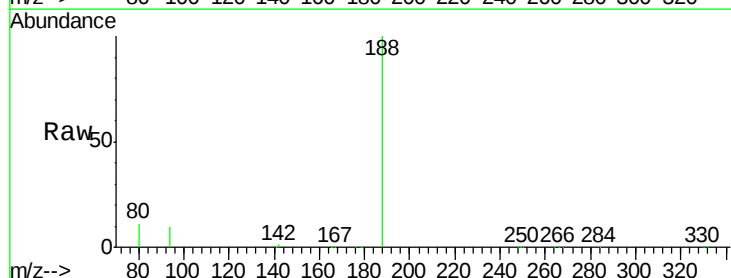
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	333311		
94	10.5	10.3	15.5	
80	11.0	11.0	16.6#	





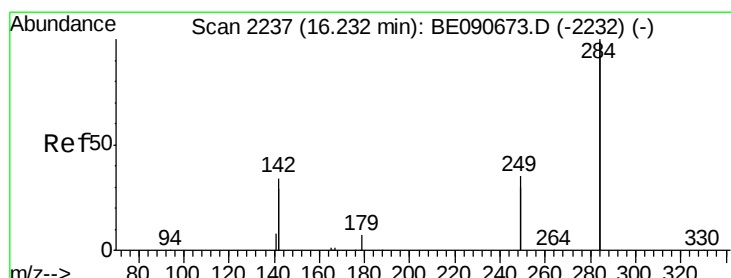
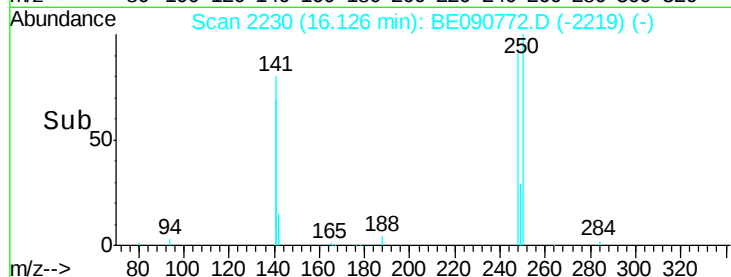
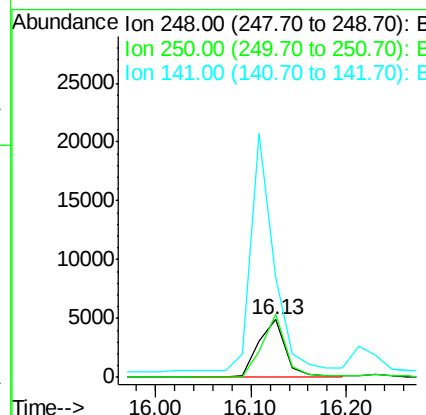
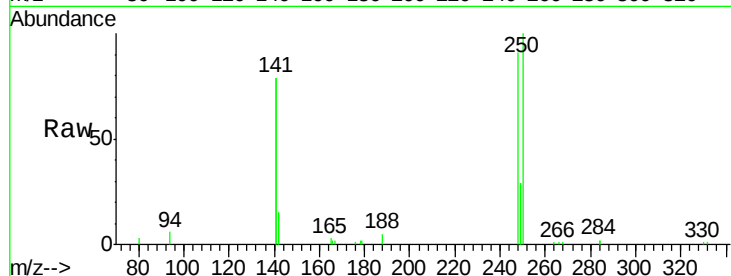
#19
4-Bromophenyl-phenylether
Concen: 0.83 ng
RT: 16.13 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
248	100		
250	96.5	76.7	115.1
141	354.5	292.6	439.0

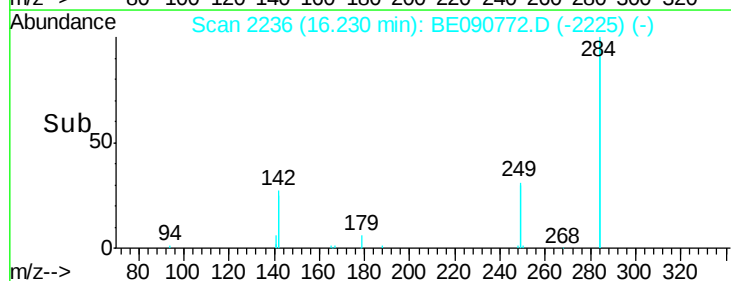
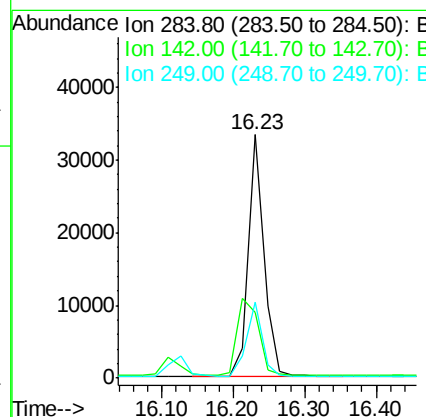
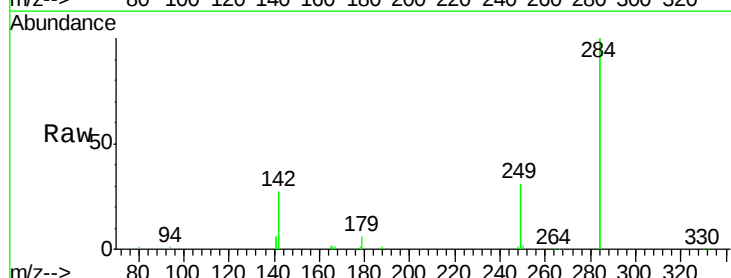
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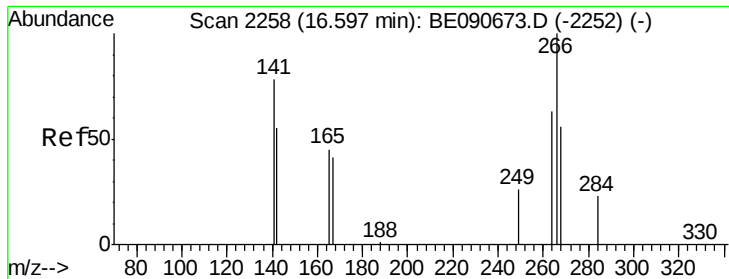
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#20
Hexachlorobenzene
Concen: 0.82 ng
RT: 16.23 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
284	100		
142	42.8	35.0	52.4
249	31.1	25.5	38.3





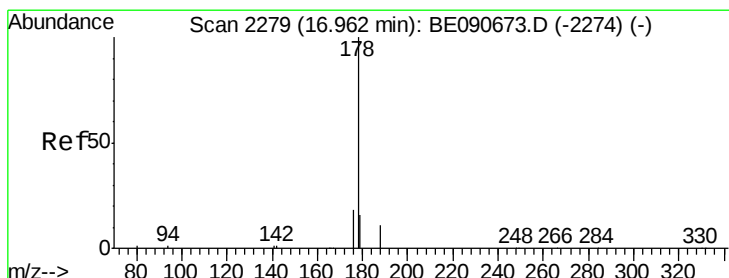
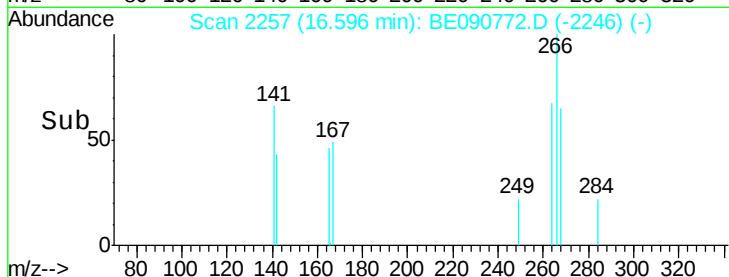
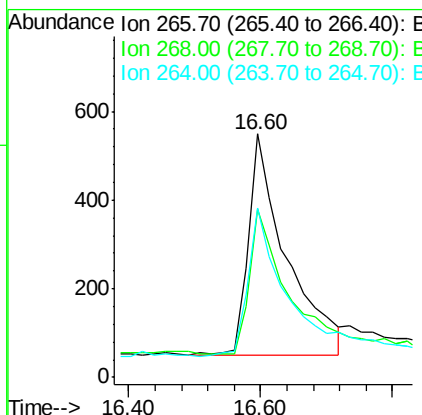
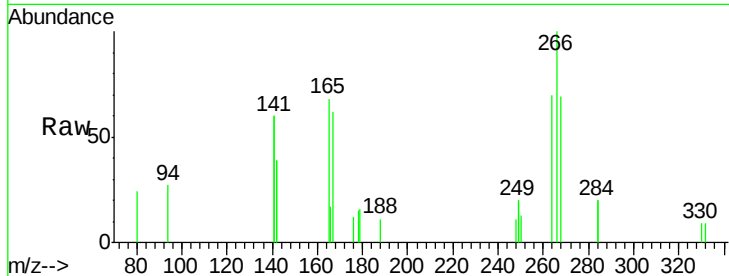
#21
 Pentachlorophenol
 Concen: 0.87 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.00 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
266	100		
268	69.0	49.6	74.4
264	69.6	53.9	80.9

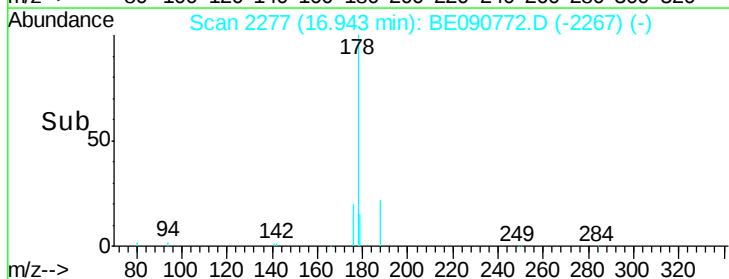
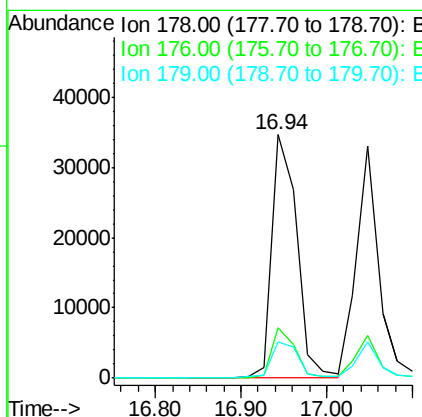
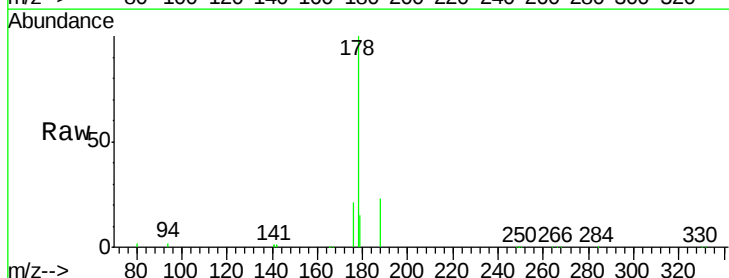
Manual Integrations
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#22
 Phenanthrene
 Concen: 0.86 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.02 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	16.0	12.8	19.2





#23

Anthracene

Concen: 0.86 ng

RT: 17.05 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

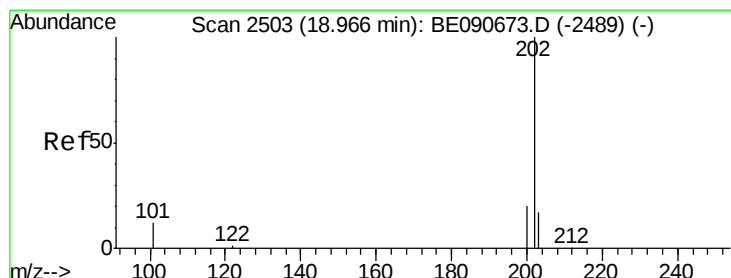
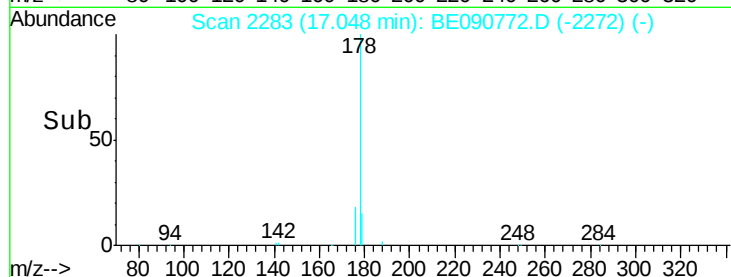
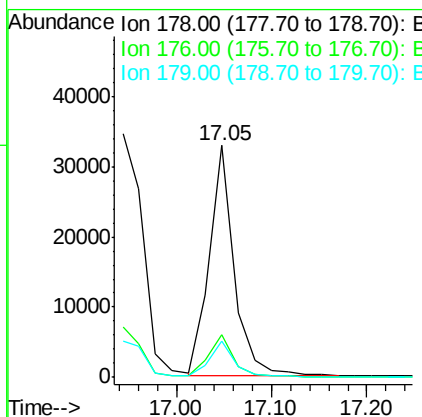
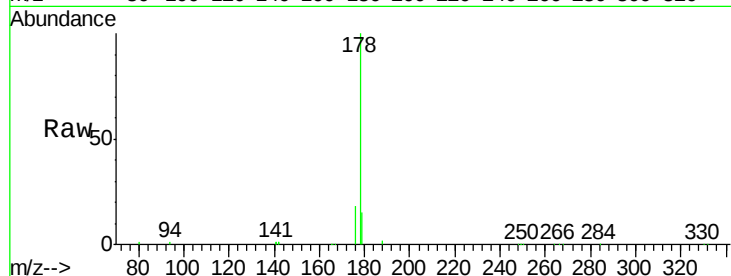
ClientSampleId :

SSTDCCC001

Tgt Ion:	178	Resp:	59589
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.0	22.6
179	15.0	12.3	18.5

Manual Integrations
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#24

Fluoranthene

Concen: 0.78 ng

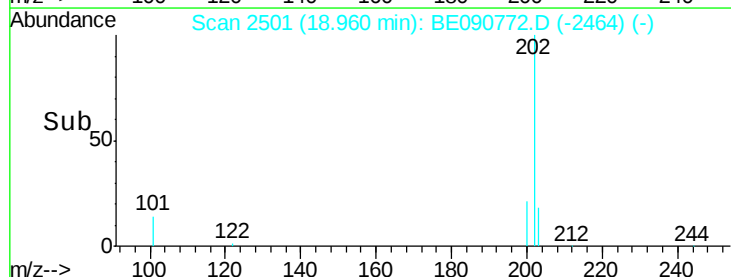
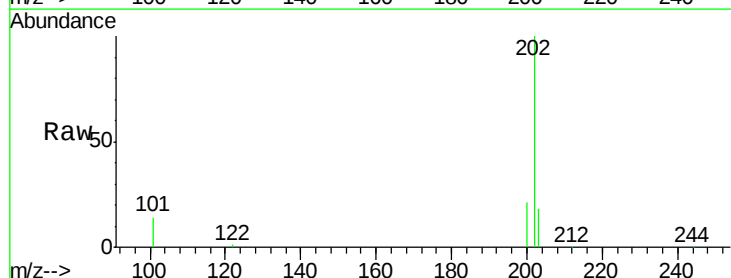
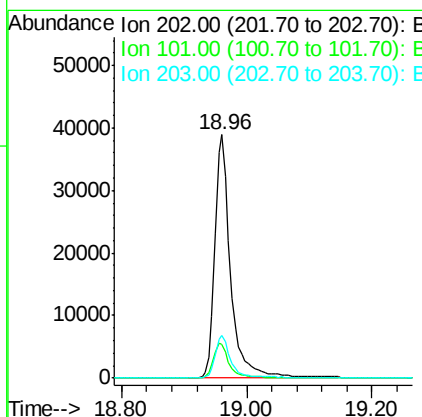
RT: 18.96 min Scan# 2501

Delta R.T. -0.01 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Tgt Ion:	202	Resp:	67606
Ion Ratio	Lower	Upper	
202	100		
101	14.0	11.0	16.6
203	17.2	13.9	20.9





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090772.D

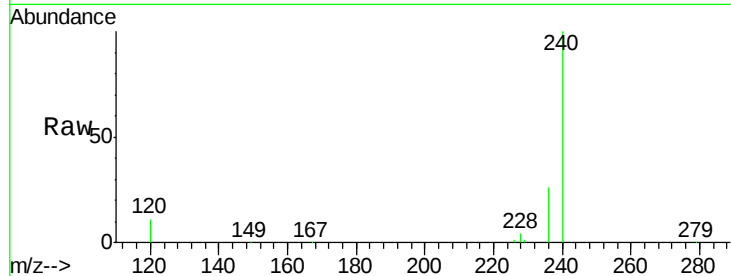
Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

ClientSampleId :

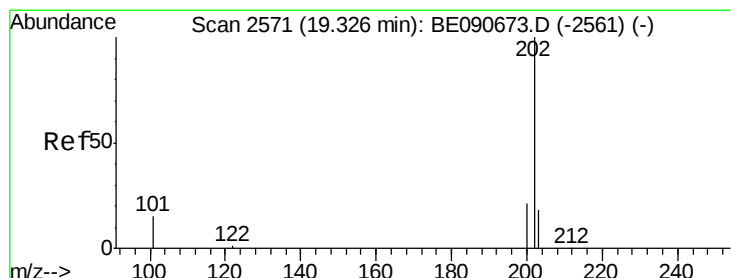
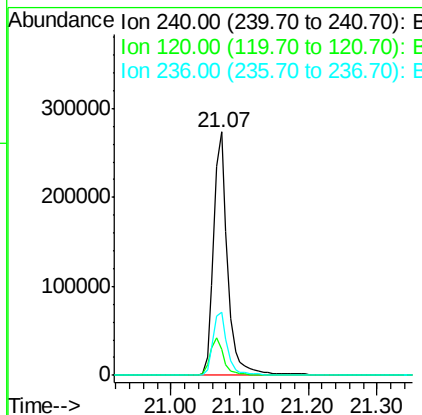
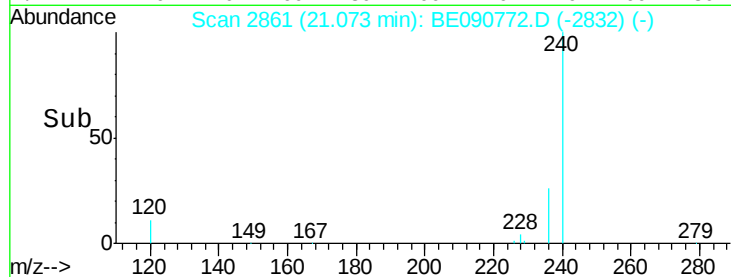
SSTDCCC001



Tgt Ion:	240	Resp:	388410
Ion Ratio	Lower	Upper	
240	100		
120	10.9	10.1	15.1
236	26.1	21.9	32.9

Manual Integrations
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#26

Pyrene

Concen: 0.90 ng

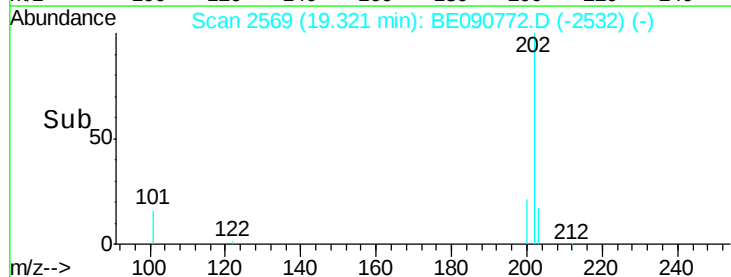
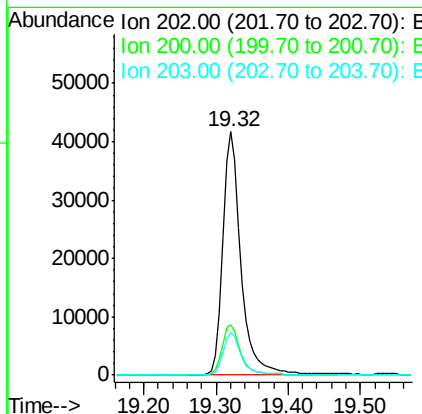
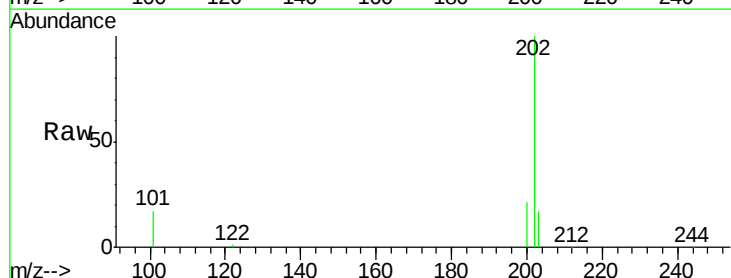
RT: 19.32 min Scan# 2569

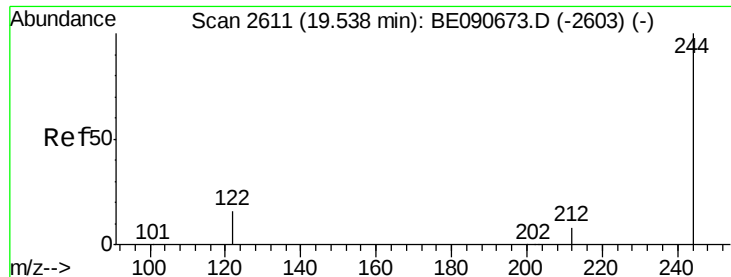
Delta R.T. -0.01 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Tgt Ion:	202	Resp:	71993
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.7	25.1
203	17.4	13.8	20.6





#27

Terphenyl-d14

Concen: 0.87 ng

RT: 19.54 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BE090772.D

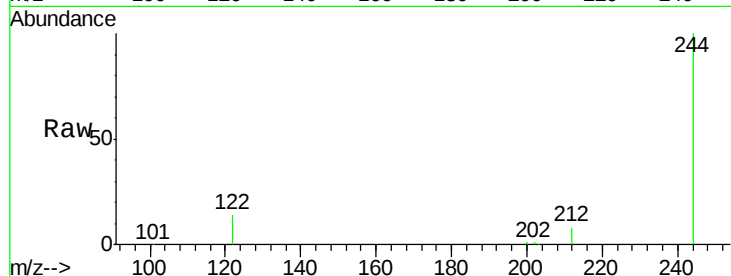
Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

ClientSampleId :

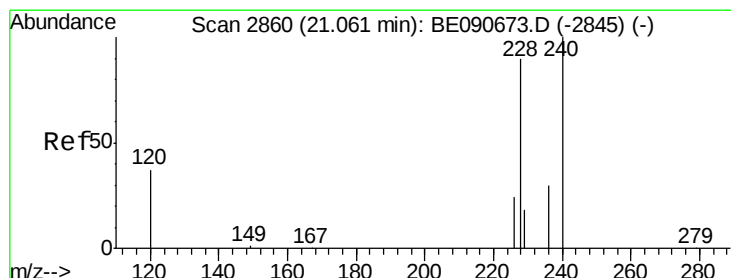
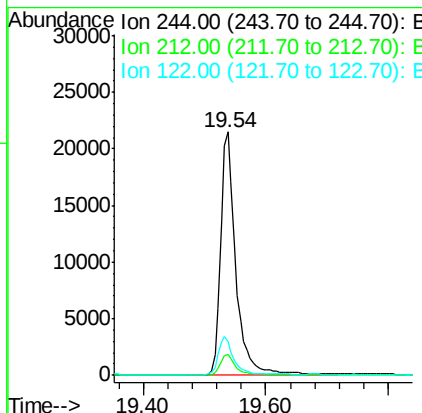
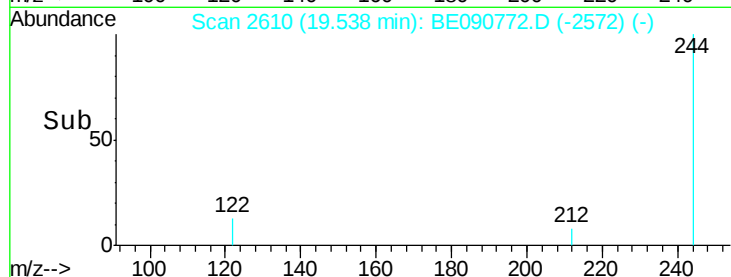
SSTDCCC001



Tgt Ion:	244	Resp:	37192
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.9	10.3
122	14.0	12.9	19.3

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#28

Benzo(a)anthracene

Concen: 0.86 ng

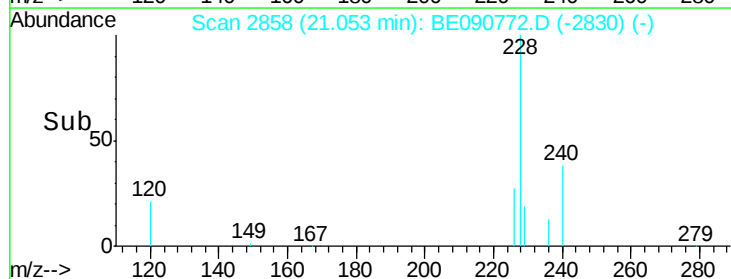
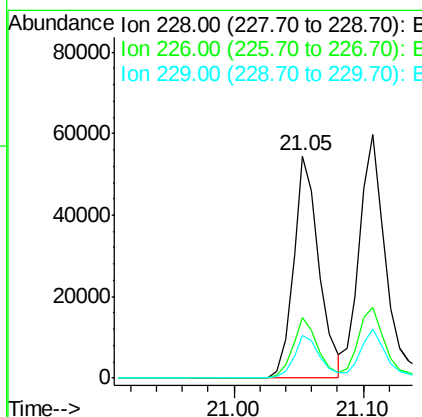
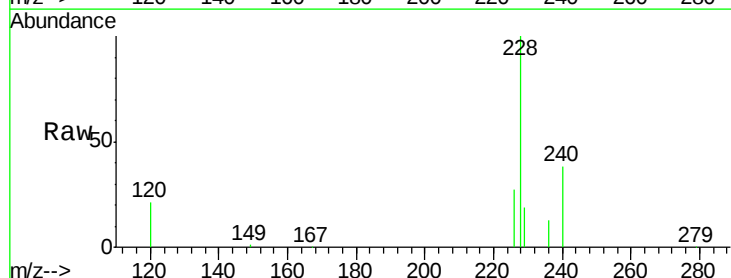
RT: 21.05 min Scan# 2858

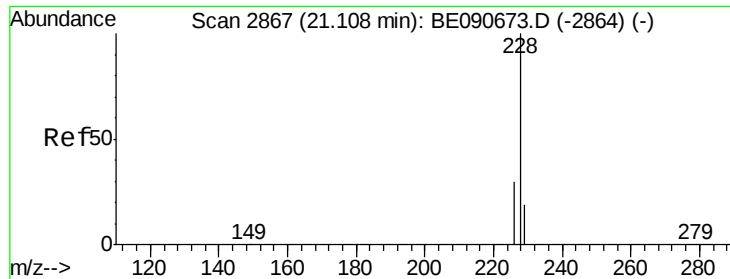
Delta R.T. -0.01 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Tgt Ion:	228	Resp:	74359
Ion Ratio	Lower	Upper	
228	100		
226	27.1	21.6	32.4
229	19.0	15.9	23.9





#29

Chrysene

Concen: 0.90 ng

RT: 21.11 min Scan# 2866

Delta R.T. 0.00 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

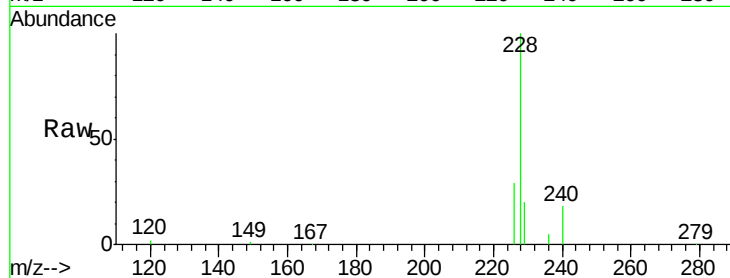
ClientSampleId :

SSTDCCC001

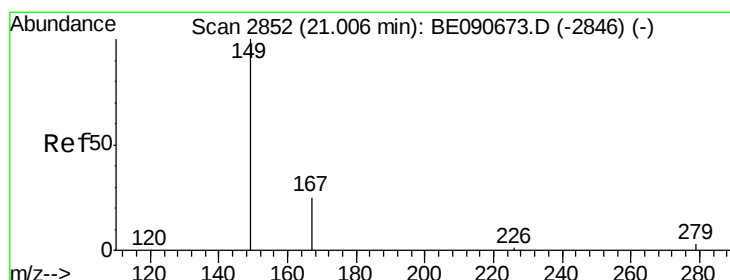
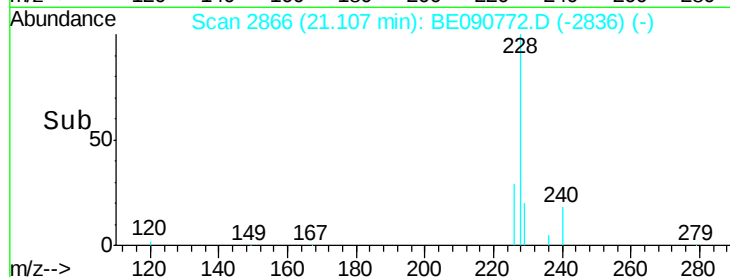
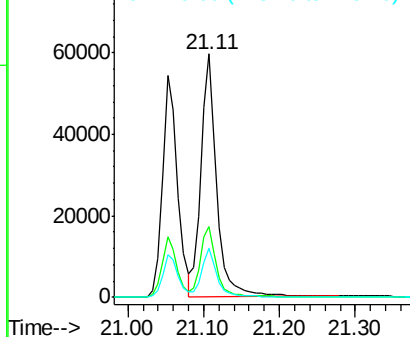
Tgt Ion:	228	Resp:	86255
Ion Ratio	Lower	Upper	
228	100		
226	29.3	24.2	36.4
229	19.9	15.3	22.9

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.72 ng

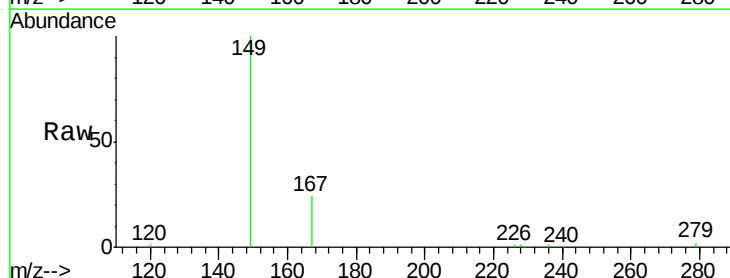
RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

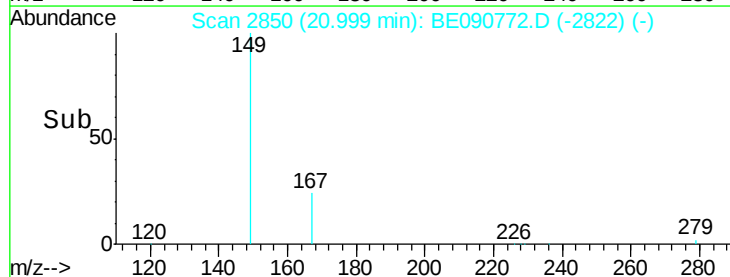
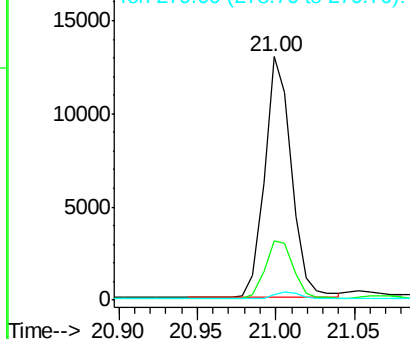
Lab File: BE090772.D

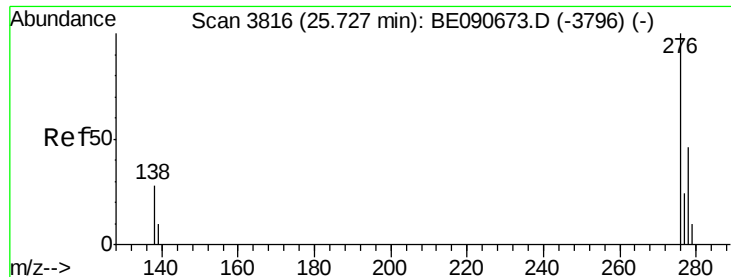
Acq: 10 Sep 2015 21:45

Tgt Ion:	149	Resp:	15192
Ion Ratio	Lower	Upper	
149	100		
167	25.4	20.1	30.1
279	2.8	2.3	3.5



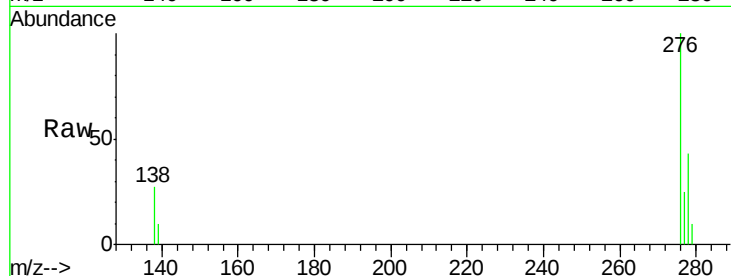
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.85 ng
 RT: 25.72 min Scan# 3813
 Delta R.T. -0.01 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

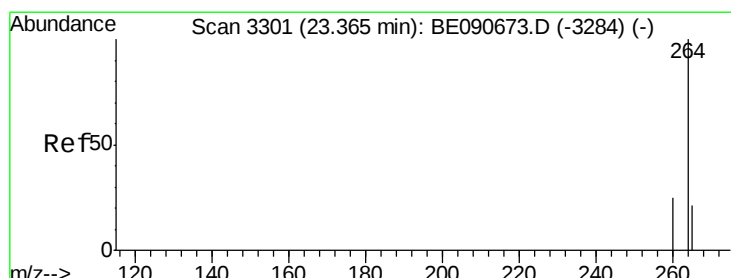
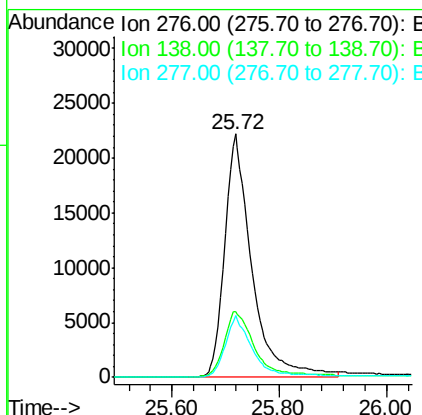
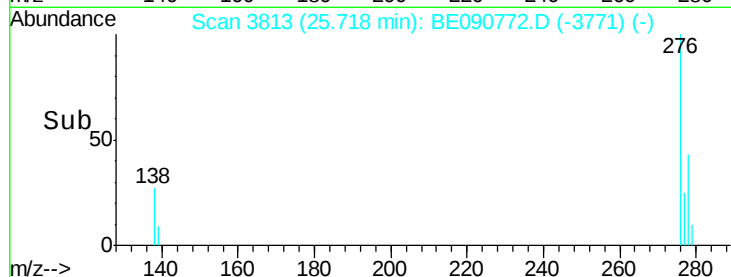
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC001



Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.5	23.3	34.9
277	24.8	19.8	29.6

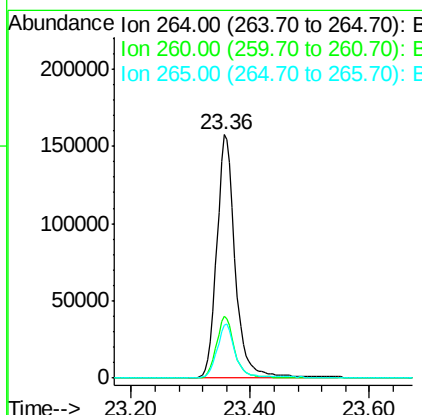
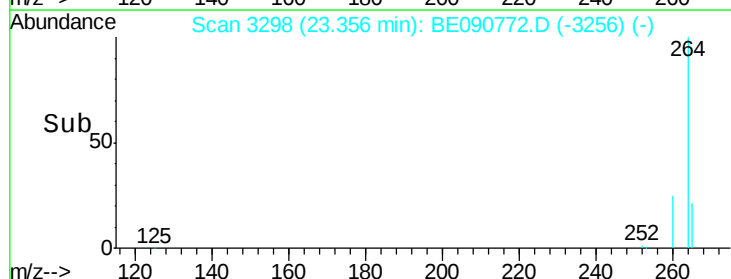
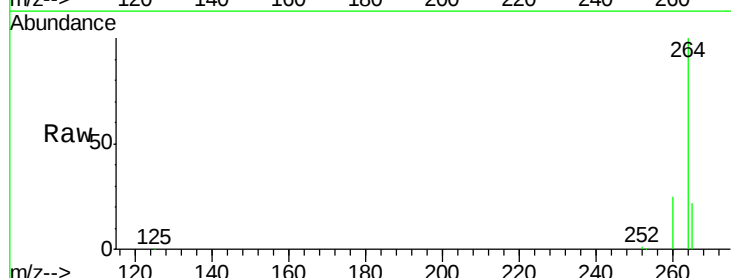
Manual Integrations
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#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090772.D
 Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	21.7	17.5	26.3





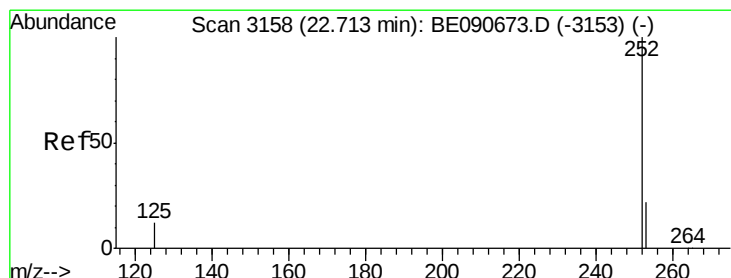
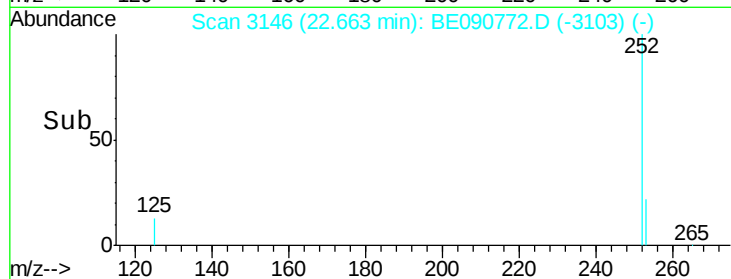
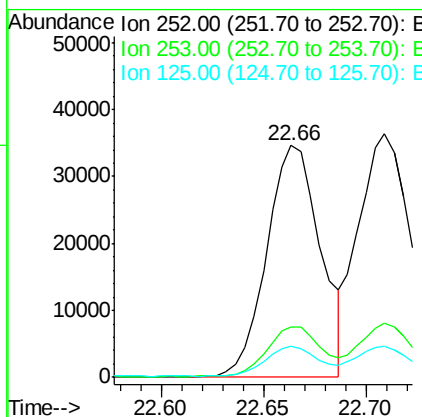
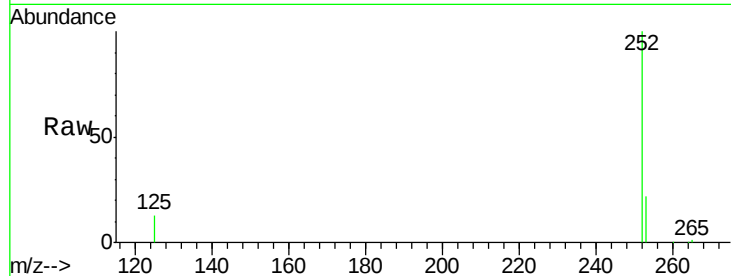
#33
Benzo(b)fluoranthene
Concen: 0.85 ng
RT: 22.66 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	13.3	10.6	16.0

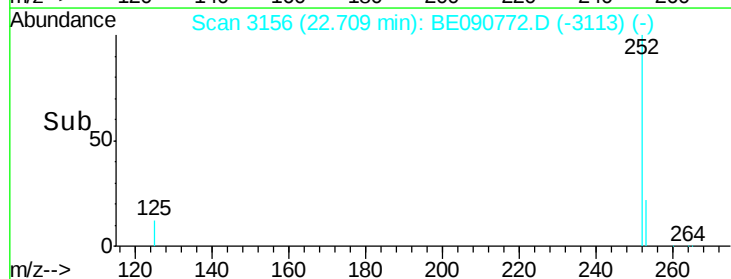
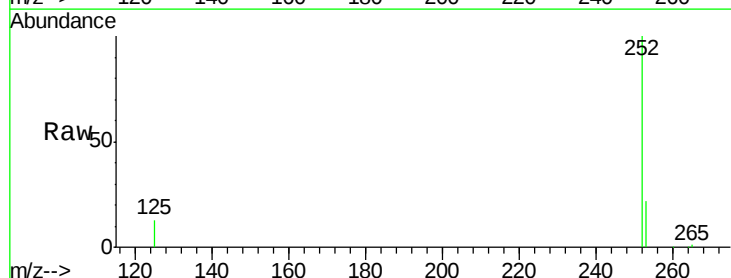
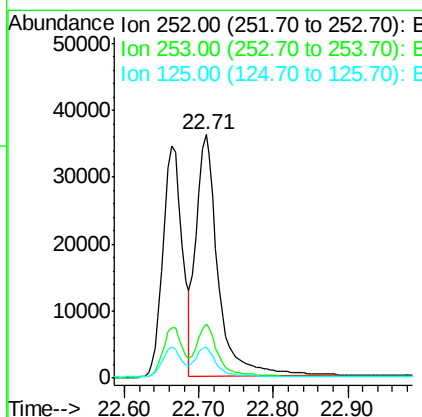
Manual Integrations
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#34
Benzo(k)fluoranthene
Concen: 0.86 ng
RT: 22.71 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	12.7	10.1	15.1





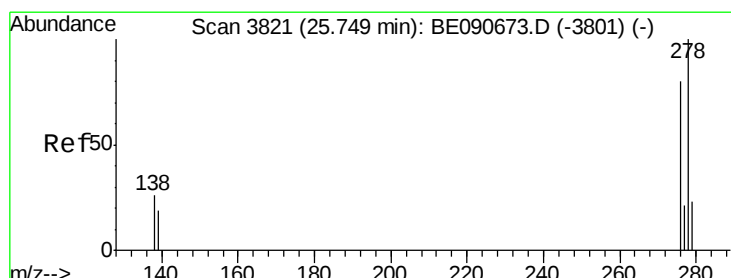
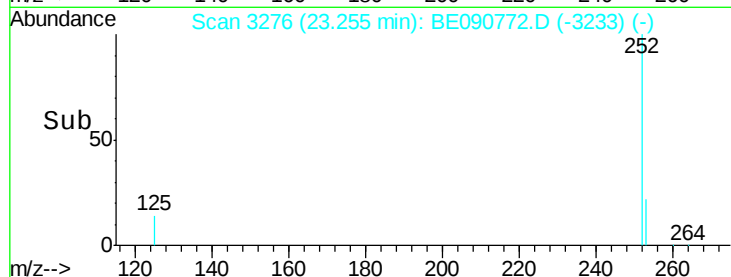
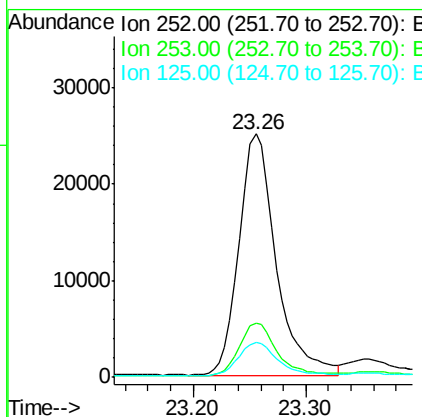
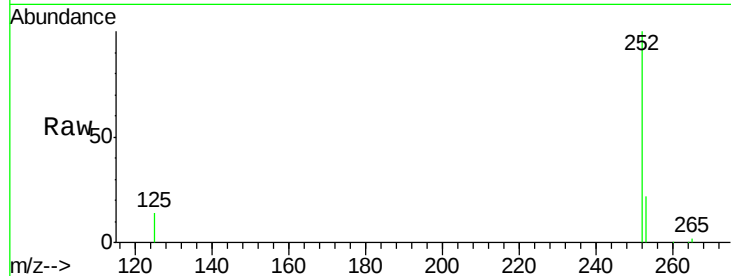
#35
Benzo(a)pyrene
Concen: 0.85 ng
RT: 23.26 min Scan# 3276
Delta R.T. -0.00 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Instrument :
BNA_E
ClientSampleId :
SSTDCCC001

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	14.2	11.6	17.4

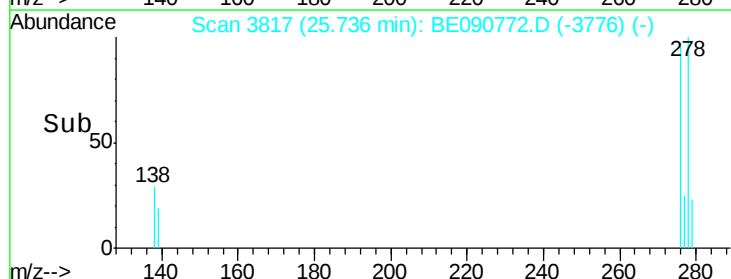
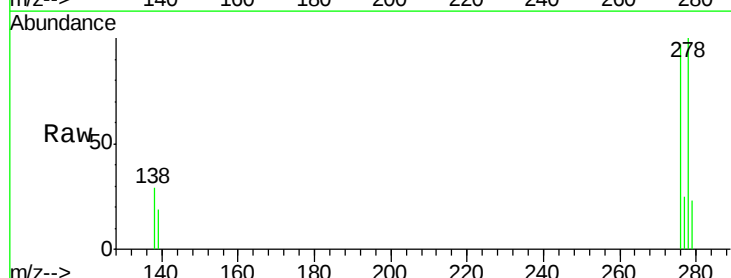
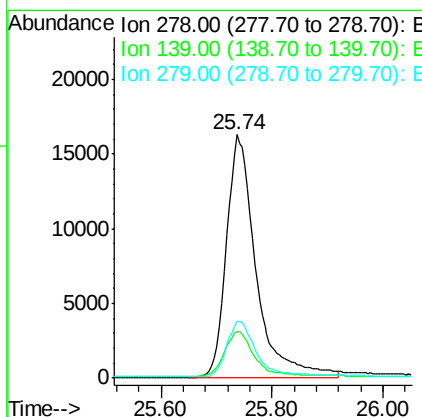
Manual Integrations
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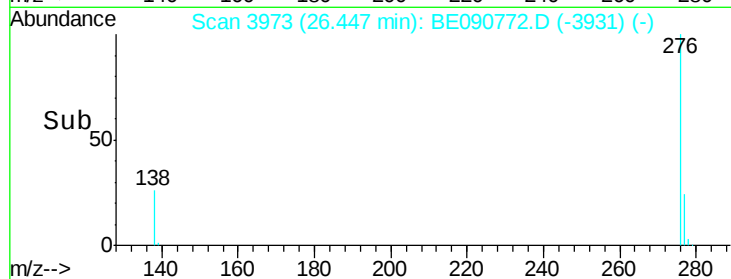
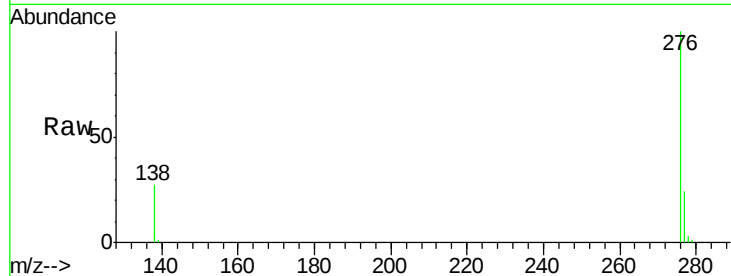
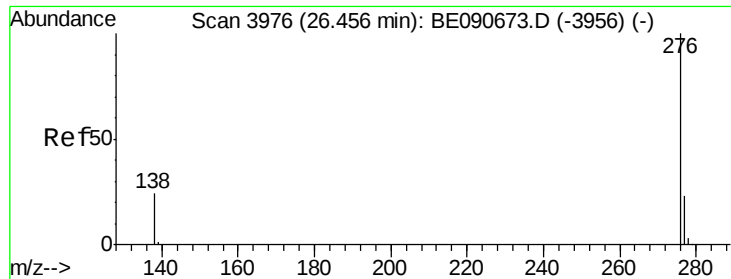
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#36
Dibenzo(a,h)anthracene
Concen: 0.86 ng
RT: 25.74 min Scan# 3817
Delta R.T. -0.01 min
Lab File: BE090772.D
Acq: 10 Sep 2015 21:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.4	23.0
279	23.5	18.8	28.2





#37

Benzo(g,h,i)perylene

Concen: 0.81 ng

RT: 26.45 min Scan# 3973

Delta R.T. -0.01 min

Lab File: BE090772.D

Acq: 10 Sep 2015 21:45

Instrument :

BNA_E

ClientSampleId :

SSTDCCC001

Tgt Ion:	276	Resp:	61253
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.5	27.7
138	26.7	20.1	30.1

Manual Integrations
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