

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080715\
 Data File : BE090401.D
 Acq On : 7 Aug 2015 17:16
 Operator : TP/UM
 Sample : PB84793BS
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84793BS

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:11:27 PM

Quant Time: Aug 08 00:06:26 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	20349	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	93905	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	53943	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	124172	5.00	ng	0.00
25) Chrysene-d12	21.09	240	160985	5.00	ng	0.00
32) Perylene-d12	23.40	264	134020	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	24714	8.09	ng	0.00
5) Phenol-d6	6.77	99	42441	6.46	ng	-0.01
7) Nitrobenzene-d5	8.72	82	29075	3.85	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	8682	5.99	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	66128	4.46	ng	0.00
27) Terphenyl-d14	19.56	244	109298	4.61	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	10613	4.41	ng	98
3) n-Nitrosodimethylamine	3.49	42	13180	4.19	ng	92
8) Nitrobenzene	8.77	77	30435	3.78	ng	97
9) Naphthalene	10.38	128	81349	3.92	ng	98
10) Hexachlorobutadiene	10.69	225	13755	4.38	ng	99
11) 2-Methylnaphthalene	12.00	142	52566	4.37	ng	98
15) Acenaphthylene	13.91	152	372535	4.26	ng	100
16) Acenaphthene	14.26	154	56468	4.16	ng	90
17) Fluorene	15.26	166	75420	4.28	ng	98
19) 4-Bromophenyl-phenylether	16.14	248	21055	4.36	ng	96
20) Hexachlorobenzene	16.27	284	96987	3.89	ng	98
21) Pentachlorophenol	16.60	266	12890	7.05	ng	92
22) Phenanthrene	16.98	178	130953	4.21	ng	99
23) Anthracene	17.07	178	126032	4.94	ng	100
24) Fluoranthene	18.98	202	146826	4.80	ng	100
26) Pyrene	19.34	202	162827	4.67	ng	99
28) Benzo(a)anthracene	21.08	228	160354	4.49	ng	98
29) Chrysene	21.14	228	173766	4.03	ng	100
30) Bis(2-ethylhexyl)phthalate	21.03	149	39599	3.50	ng	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	133767	3.52	ng	95
33) Benzo(b)fluoranthene	22.70	252	128816	4.28	ng	99
34) Benzo(k)fluoranthene	22.75	252	165480m	4.43	ng	
35) Benzo(a)pyrene	23.30	252	118739	4.18	ng	100
36) Dibenzo(a,h)anthracene	25.80	278	106754	3.87	ng	98
37) Benzo(g,h,i)perylene	26.52	276	117599	4.75	ng	98

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

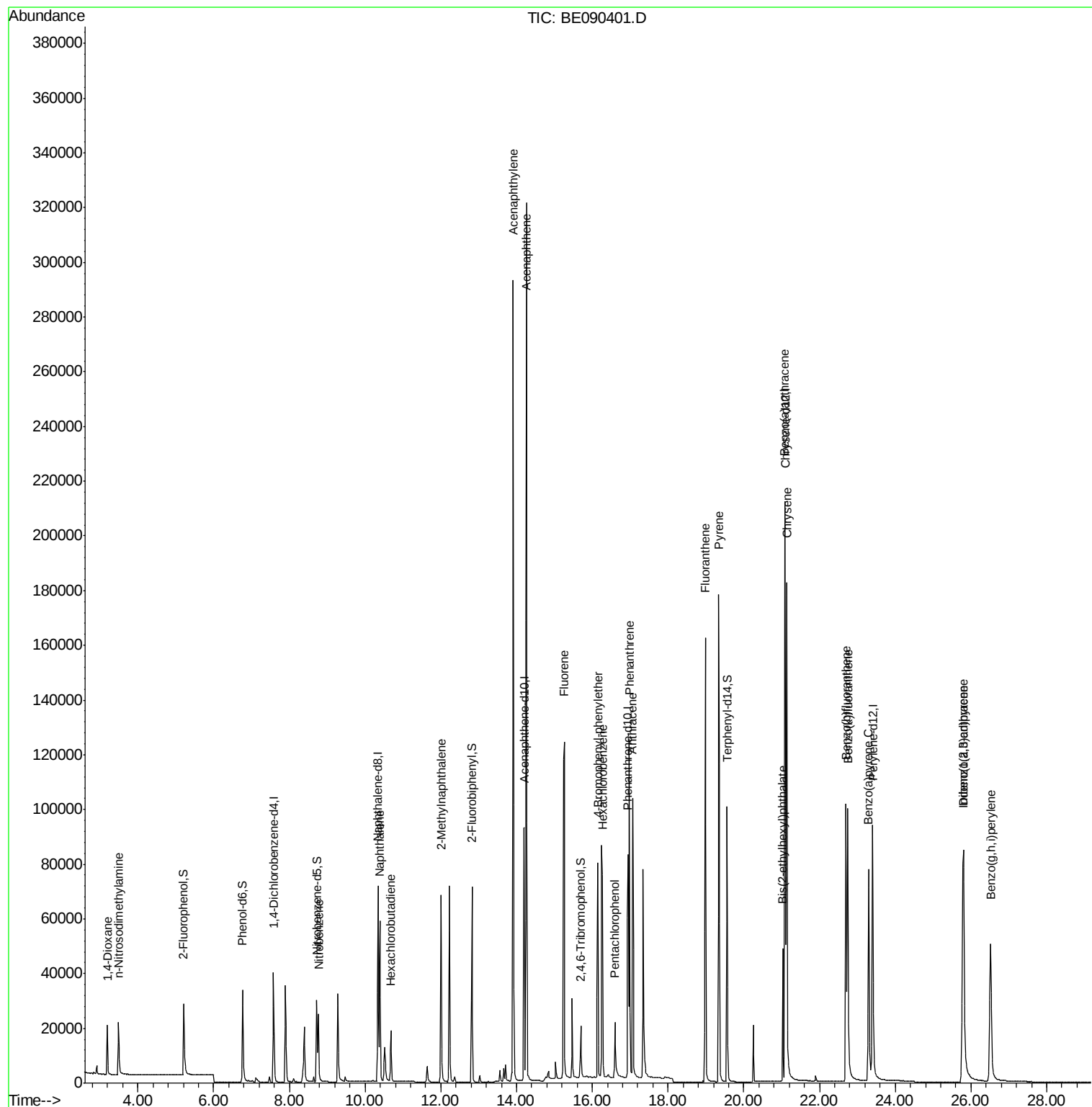
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080715\
Data File : BE090401.D
Acq On : 7 Aug 2015 17:16
Operator : TP/UM
Sample : PB84793BS
Misc :
ALS Vial : 34 Sample Multiplier: 1

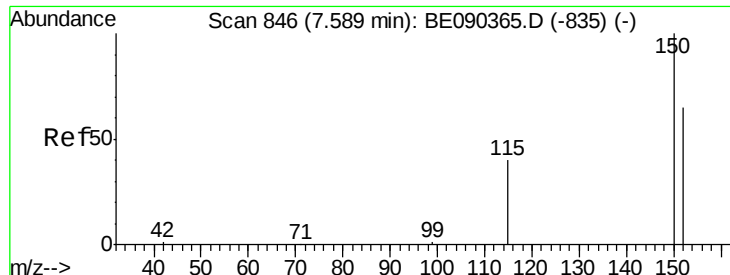
Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations
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8/10/2015 7:11:27 PM

Quant Time: Aug 08 00:06:26 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration





#1

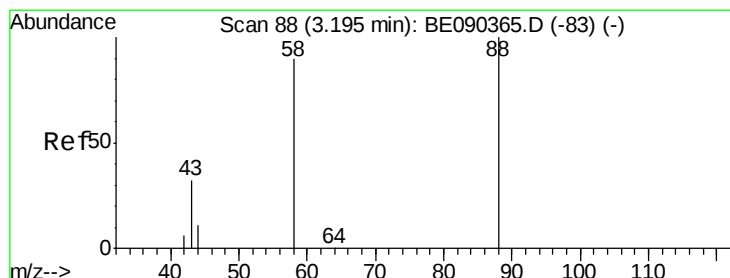
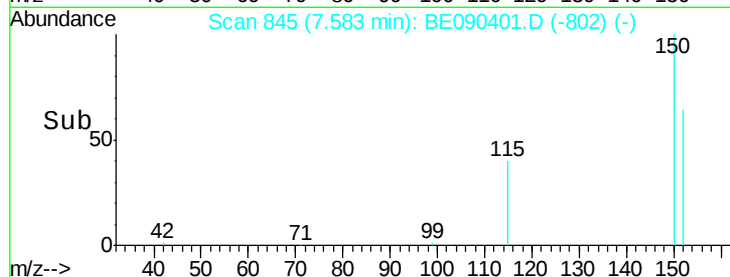
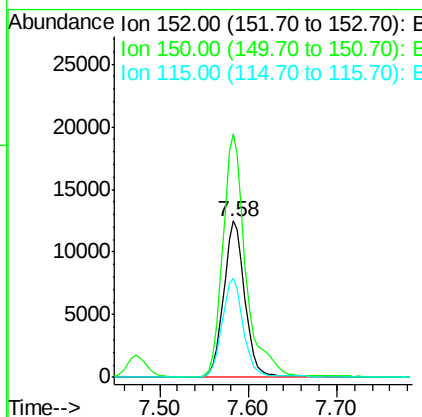
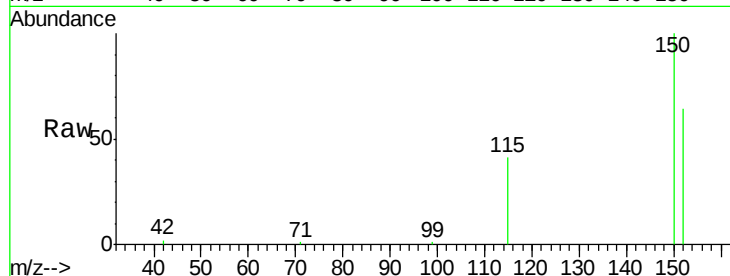
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampled :
PB84793BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.0	184.4
115	63.3	48.9	73.3

Manual Integrations
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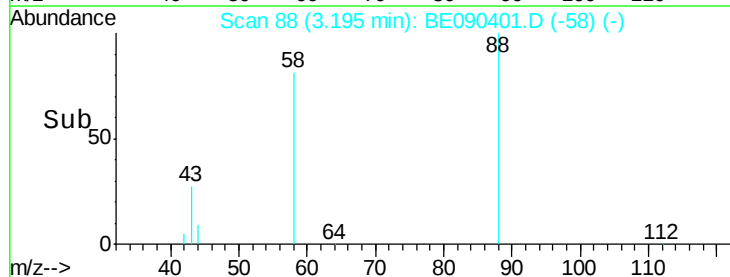
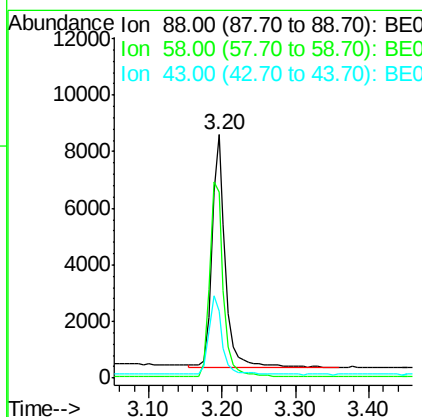
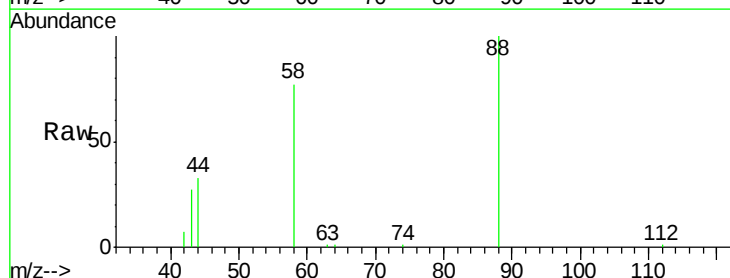
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#2

1,4-Dioxane
Concen: 4.41 ng
RT: 3.20 min Scan# 88
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.1	70.0	105.0
43	32.9	28.4	42.6





#3

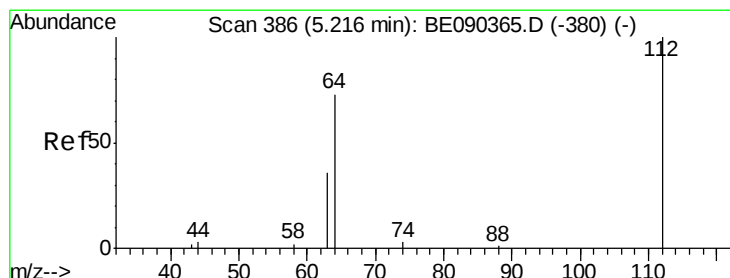
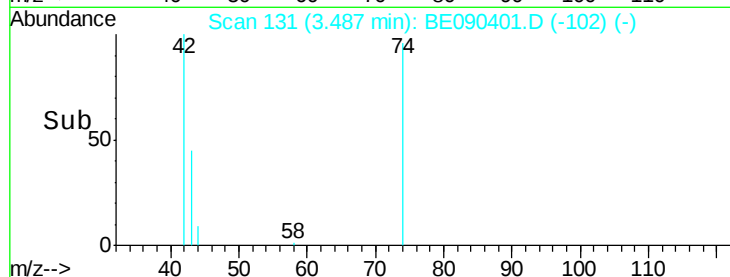
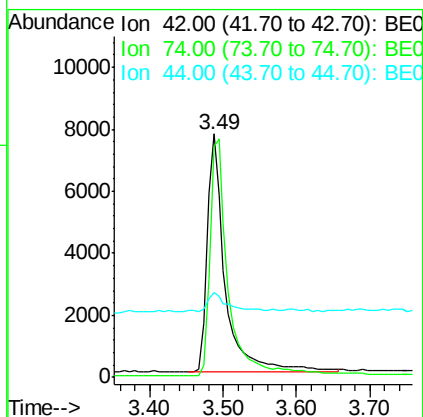
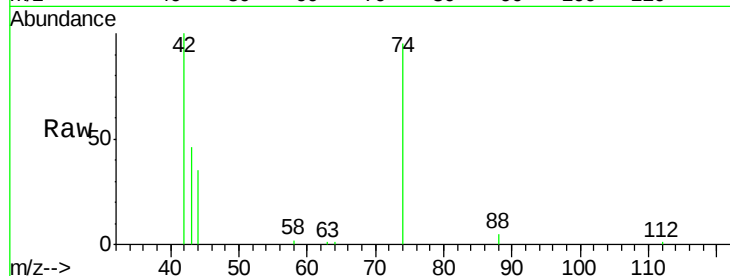
n-Nitrosodimethylamine
 Concen: 4.19 ng
 RT: 3.49 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Instrument :
 BNA_E
 ClientSampleID :
 PB84793BS

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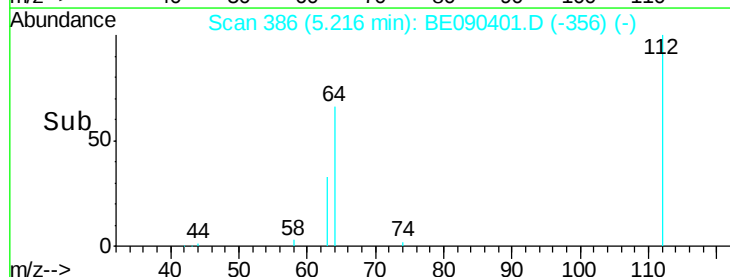
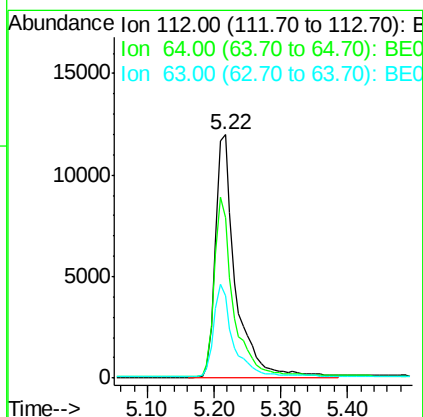
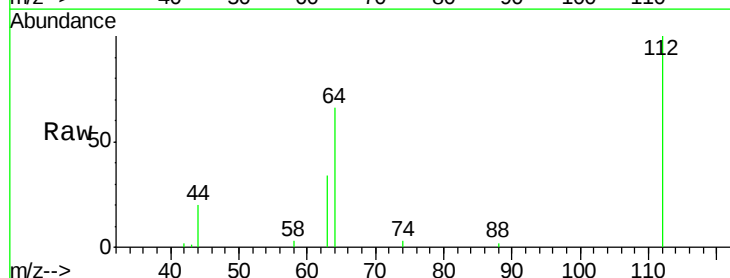
Tot Ion	Ratio	Lower	Upper
42	100		
74	102.3	75.2	112.8
44	8.9	8.7	13.1

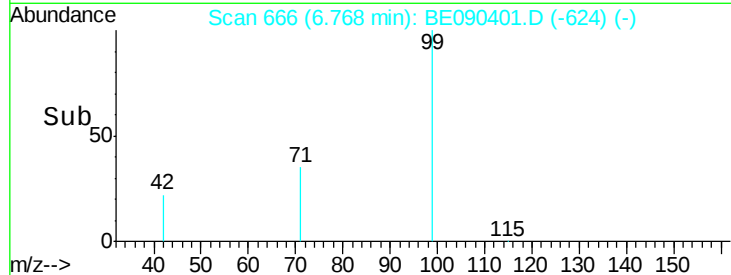
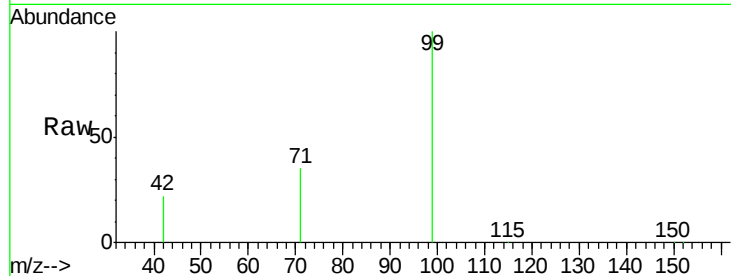


#4

2-Fluorophenol
 Concen: 8.09 ng
 RT: 5.22 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	37.1	55.7#
63	37.0	19.5	29.3#





#5

Phenol-d6

Concen: 6.46 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090401.D

Acq: 7 Aug 2015 17:16

Tot Ion:	99	Resp:	42441
Ion	Ratio	Lower	Upper
99	100		
42	23.3	18.2	27.4
71	35.3	27.4	41.0

Instrument :

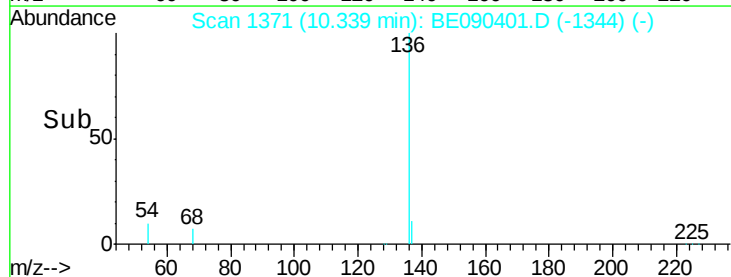
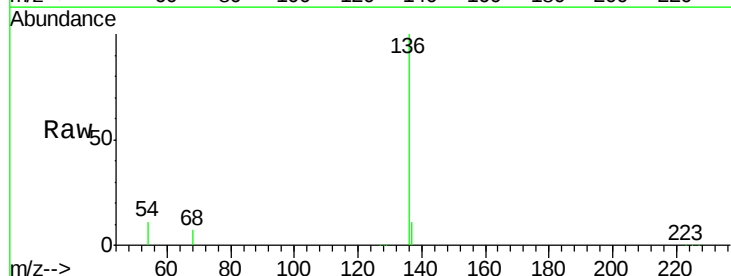
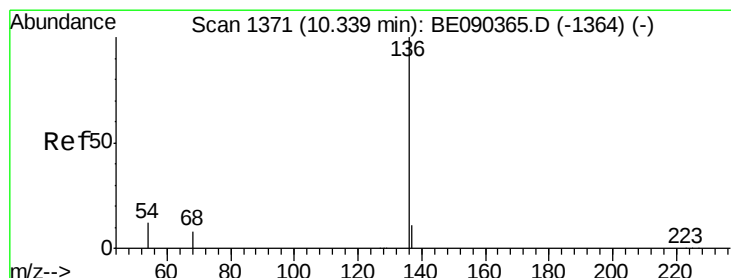
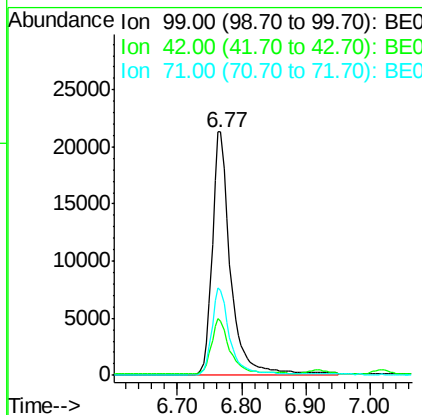
BNA_E

ClientSampleId :

PB84793BS

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#6

Naphthalene-d8

Concen: 5.00 ng

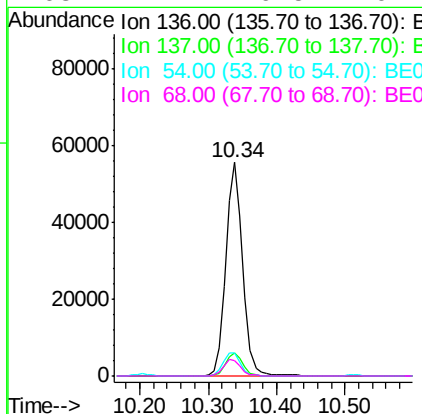
RT: 10.34 min Scan# 1371

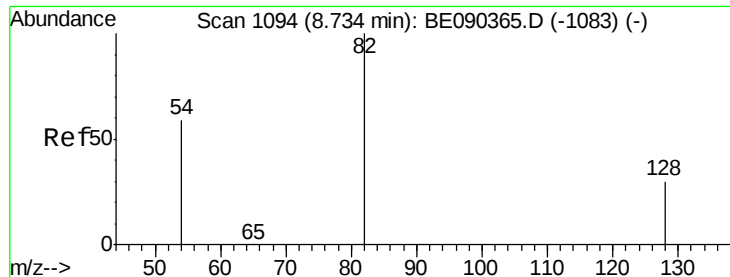
Delta R.T. 0.00 min

Lab File: BE090401.D

Acq: 7 Aug 2015 17:16

Tgt Ion:	136	Resp:	93905
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.5	9.4	14.0
68	7.4	6.5	9.7





#7

Nitrobenzene-d5

Concen: 3.85 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090401.D

Acq: 7 Aug 2015 17:16

Instrument :

BNA_E

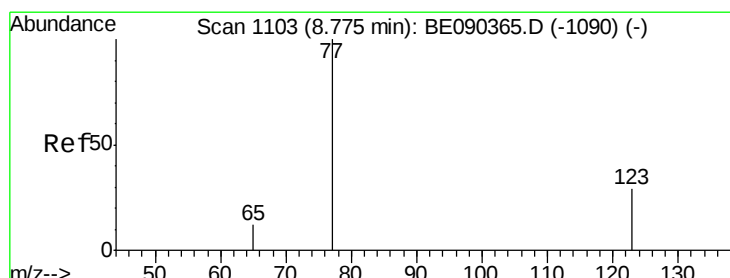
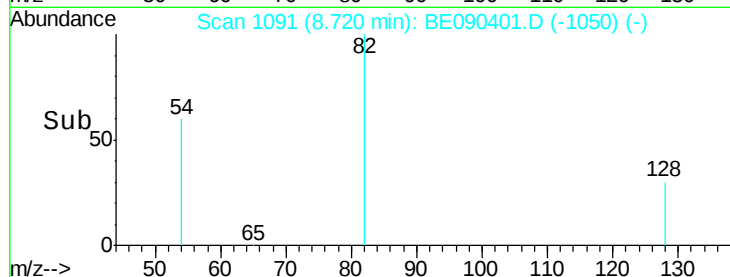
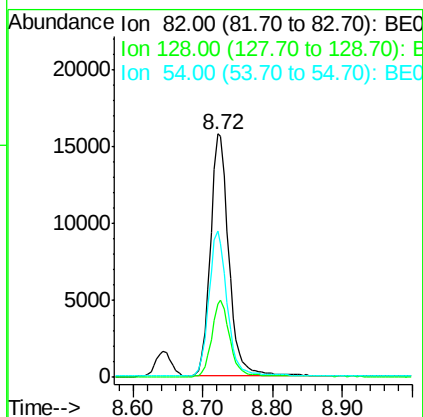
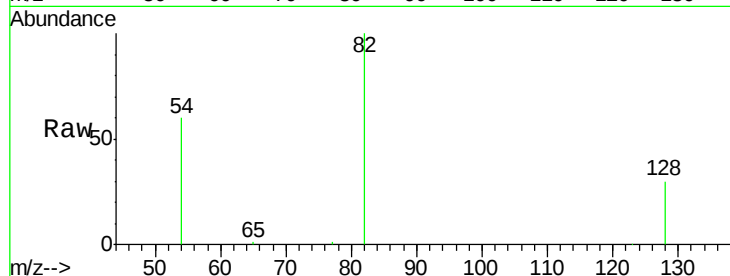
ClientSampleId :

PB84793BS

Tot Ion:	82	Resp:	29075
Ion Ratio	Lower	Upper	
82	100		
128	30.3	25.0	37.6
54	60.1	48.8	73.2

Manual Integrations
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#8

Nitrobenzene

Concen: 3.78 ng

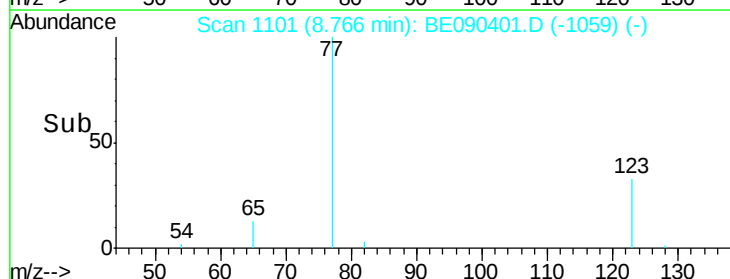
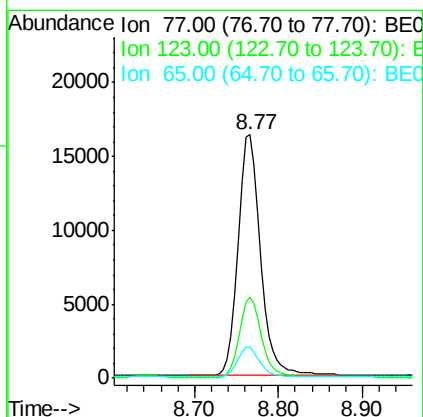
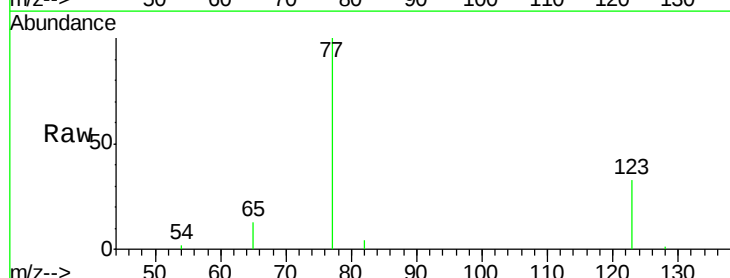
RT: 8.77 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BE090401.D

Acq: 7 Aug 2015 17:16

Tgt Ion:	77	Resp:	30435
Ion Ratio	Lower	Upper	
77	100		
123	32.9	25.1	37.7
65	12.7	9.3	13.9





#9

Naphthalene

Concen: 3.92 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090401.D

Acq: 7 Aug 2015 17:16

Instrument :

BNA_E

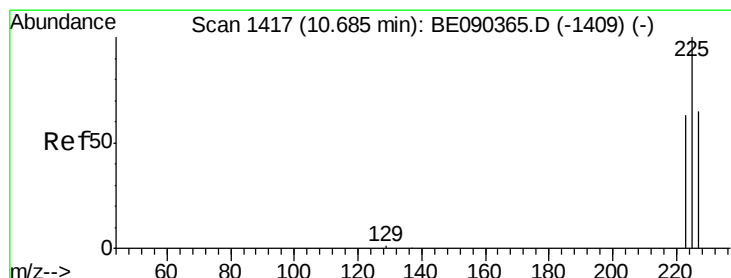
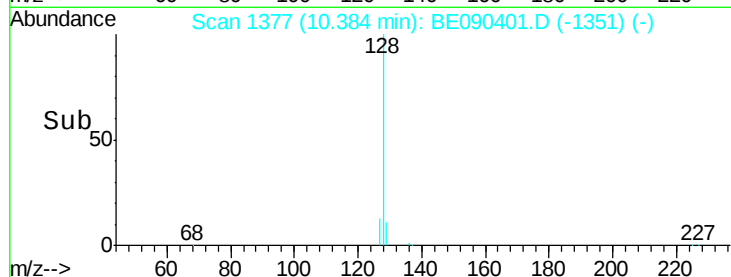
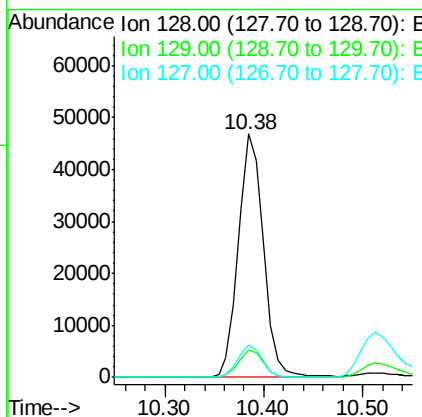
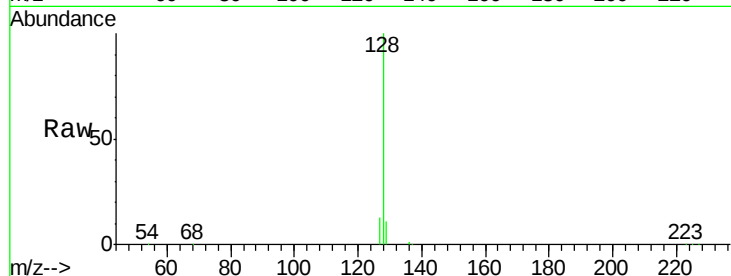
ClientSampleId :

PB84793BS

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Tot Ion:	128	Resp:	81349
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.8	14.6
127	13.2	10.6	16.0



#10

Hexachlorobutadiene

Concen: 4.38 ng

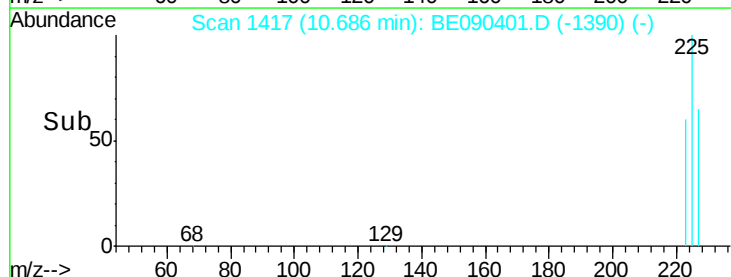
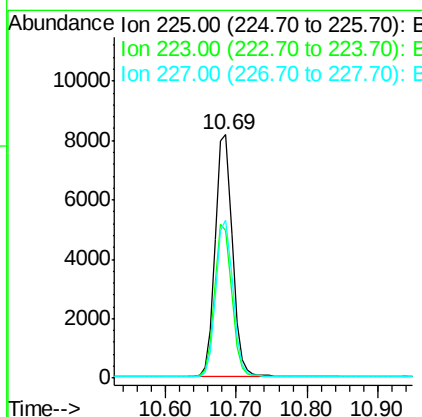
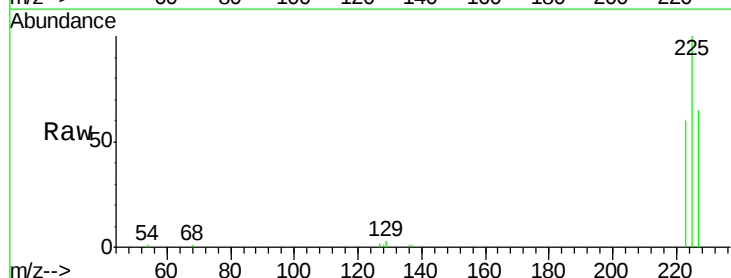
RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090401.D

Acq: 7 Aug 2015 17:16

Tgt Ion:	225	Resp:	13755
Ion Ratio	Lower	Upper	
225	100		
223	62.6	50.6	75.8
227	64.0	50.7	76.1





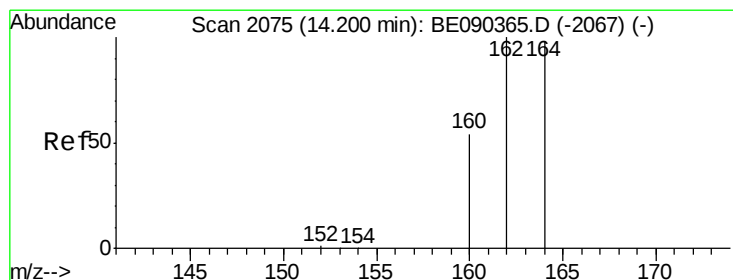
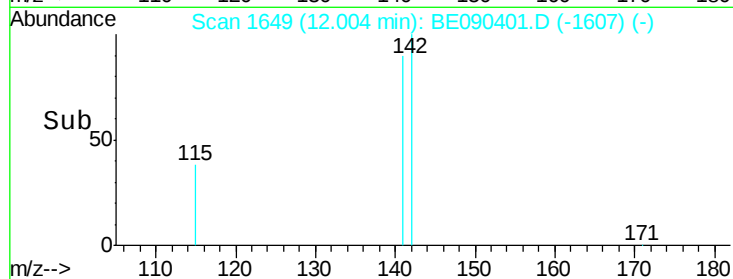
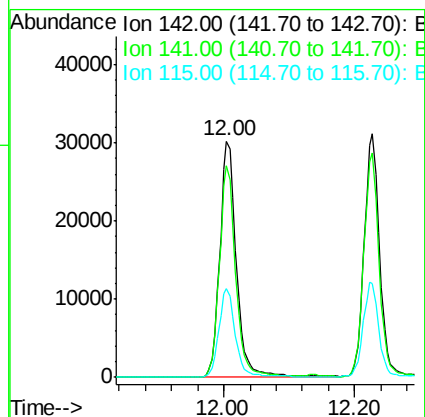
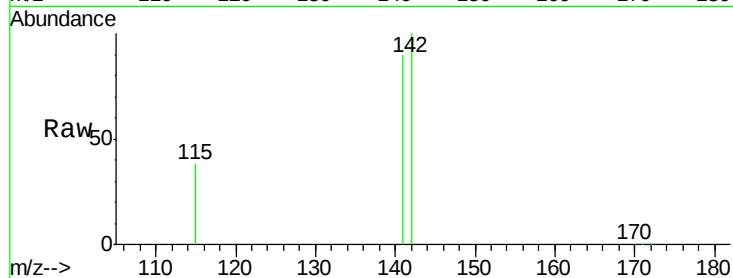
#11
2-Methylnaphthalene
Concen: 4.37 ng
RT: 12.00 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.6	109.0
115	37.8	31.6	47.4

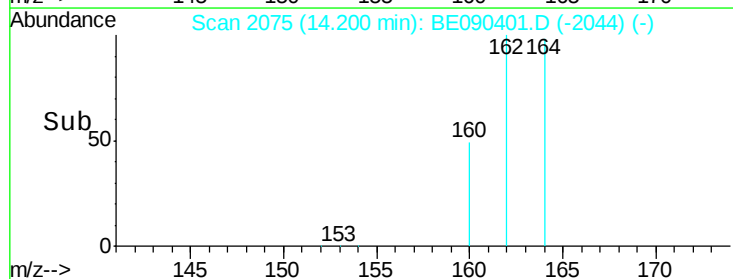
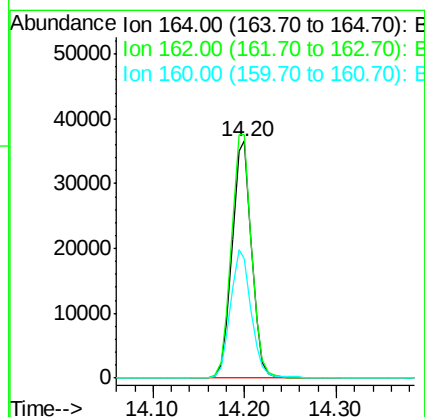
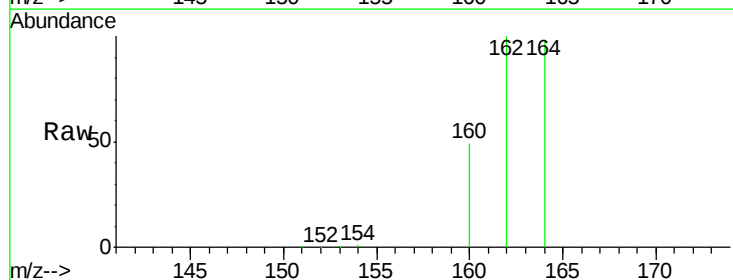
Manual Integrations
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.8
160	50.4	44.2	66.4





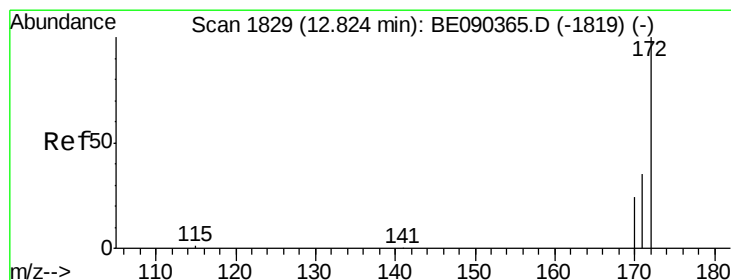
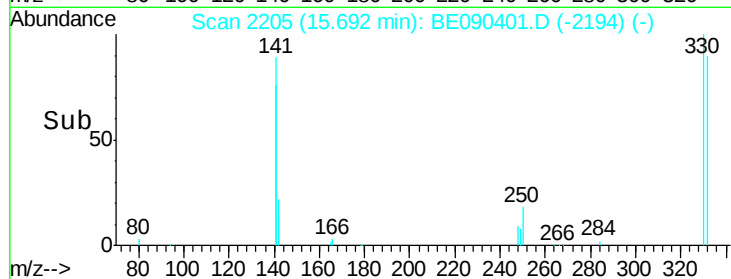
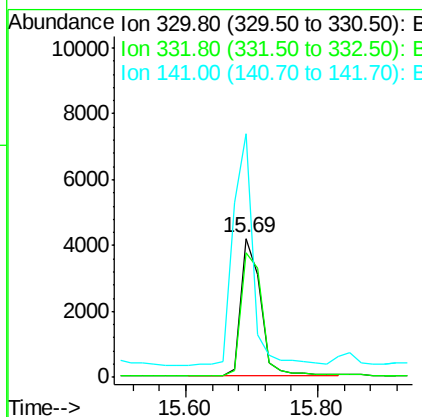
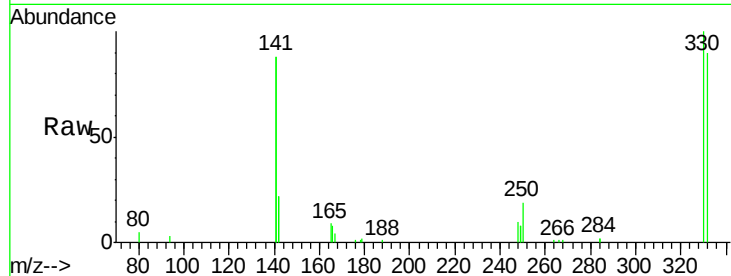
#13
 2,4,6-Tribromophenol
 Concen: 5.99 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Instrument :
 BNA_E
 ClientSampleId :
 PB84793BS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.8	113.6
141	167.3	114.4	171.6

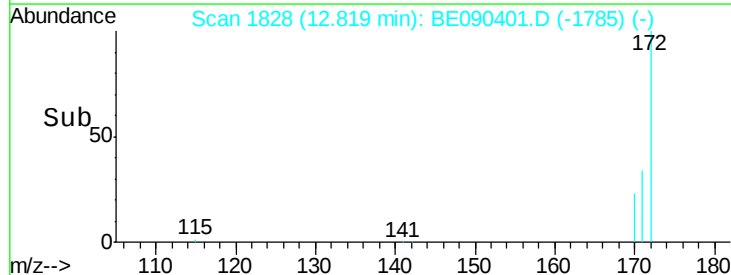
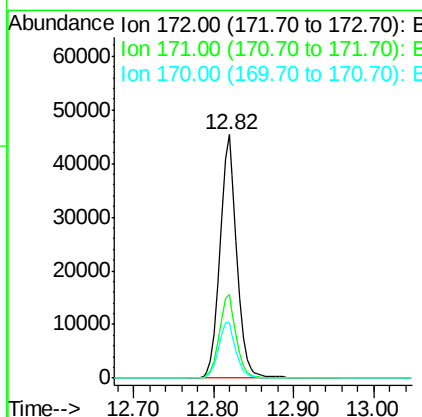
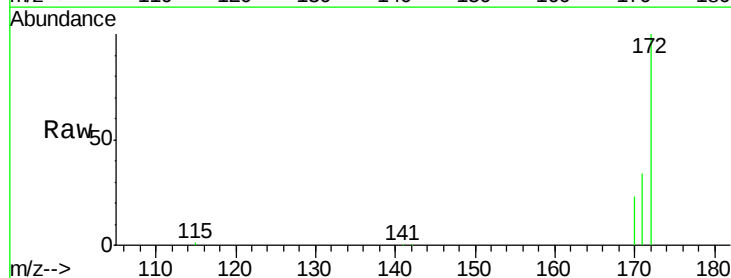
Manual Integrations
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 8/10/2015 7:11:27 PM



#14
 2-Fluorobiphenyl
 Concen: 4.46 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.5	42.7
170	22.8	19.8	29.8





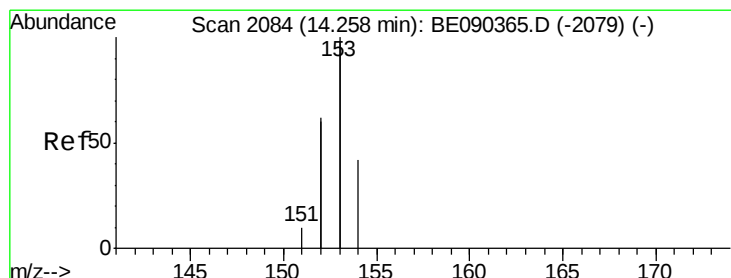
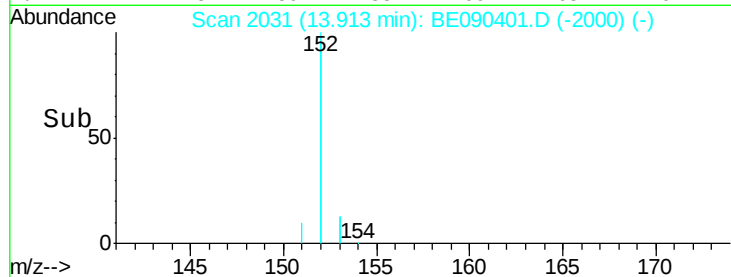
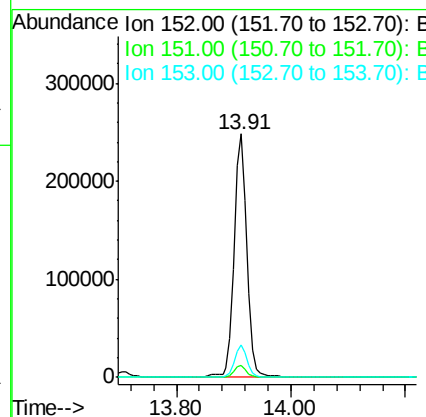
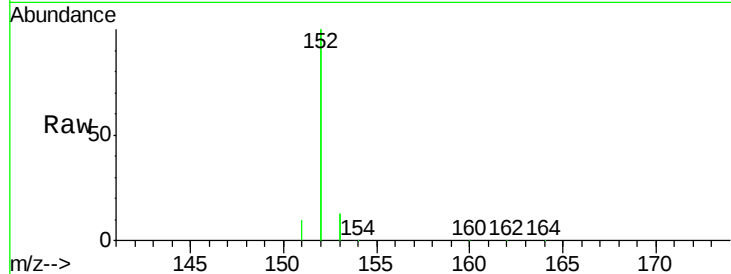
#15
Acenaphthylene
Concen: 4.26 ng
RT: 13.91 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.9	10.3	15.5

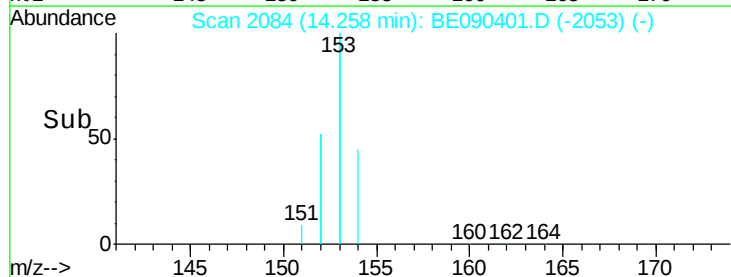
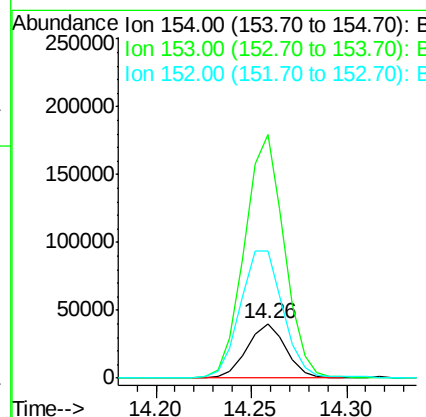
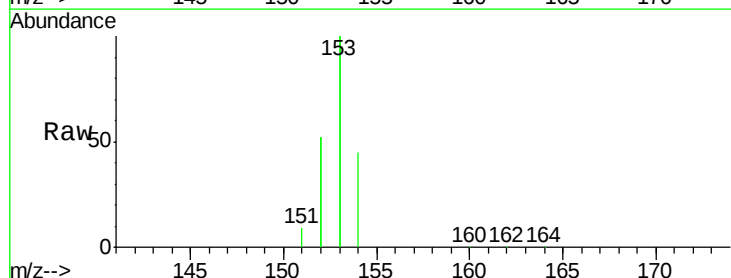
Manual Integrations
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8/10/2015 7:11:27 PM



#16
Acenaphthene
Concen: 4.16 ng
RT: 14.26 min Scan# 2084
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	458.8	376.2	564.2
152	258.5	235.0	352.4





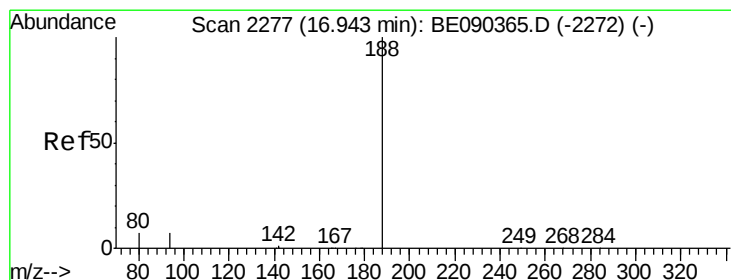
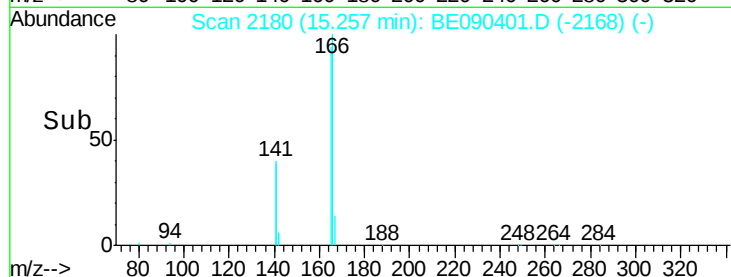
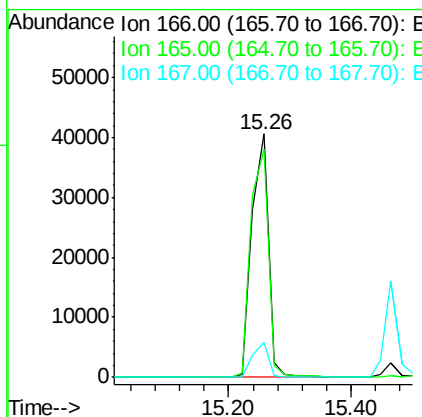
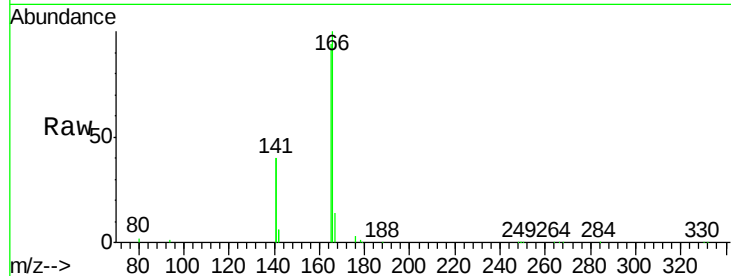
#17
Fluorene
Concen: 4.28 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.5	122.3
167	13.7	11.4	17.0

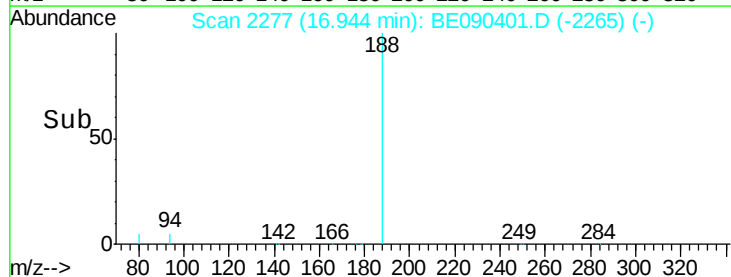
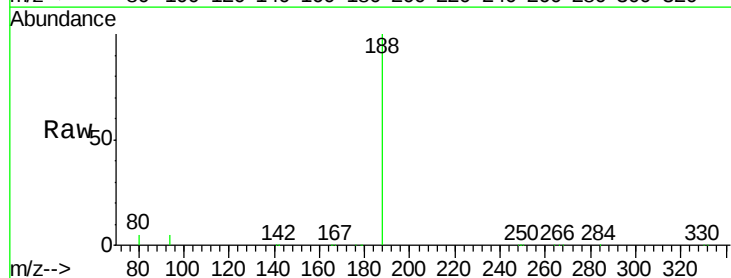
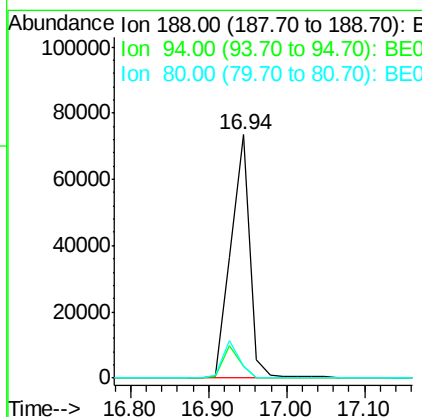
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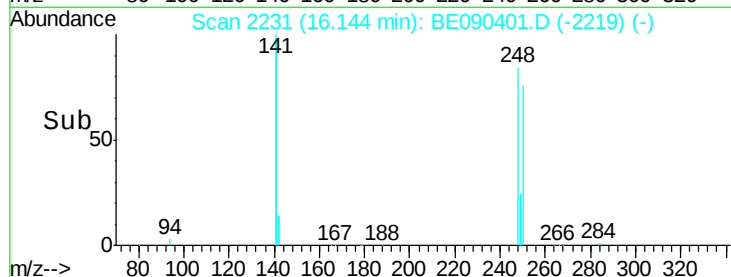
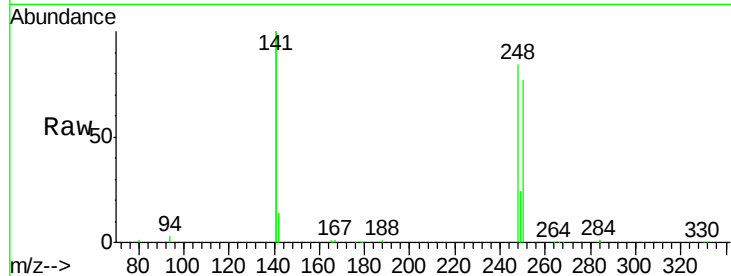
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	5.7	8.5#
80	5.1	5.8	8.8#





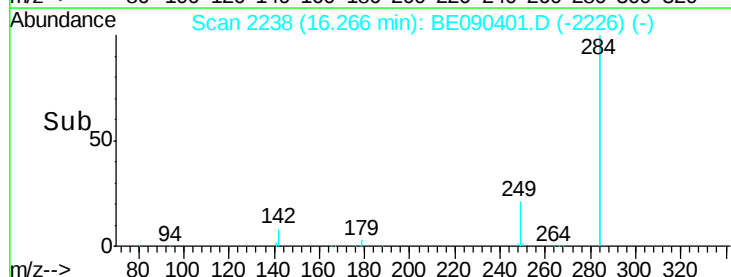
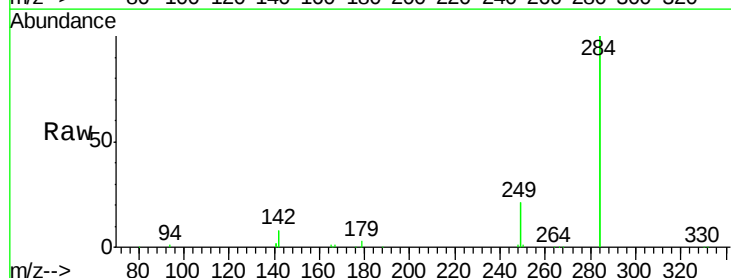
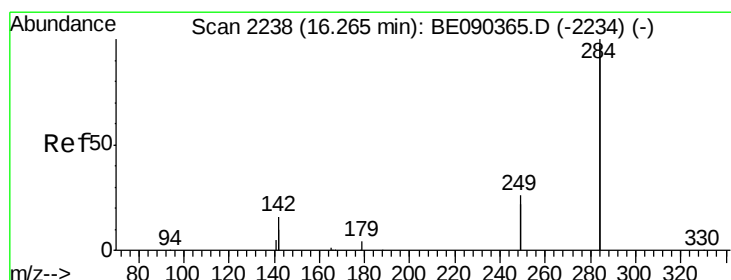
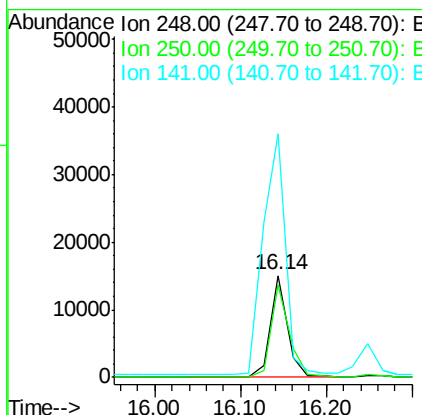
#19
4-Bromophenyl-phenylether
Concen: 4.36 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Manual Integrations
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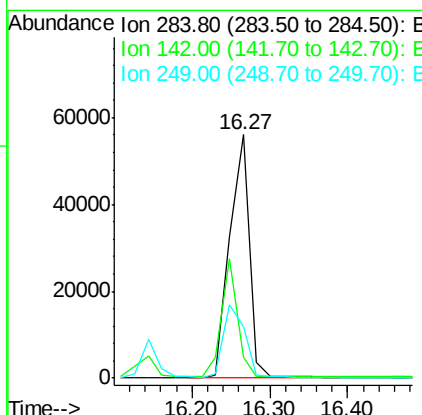
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Tot Ion	Ratio	Lower	Upper
248	100		
250	96.3	79.0	118.6
141	309.5	239.5	359.3



#20
Hexachlorobenzene
Concen: 3.89 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.3	30.1	45.1
249	31.8	25.7	38.5





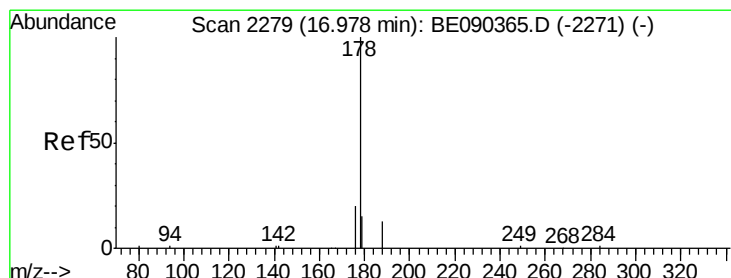
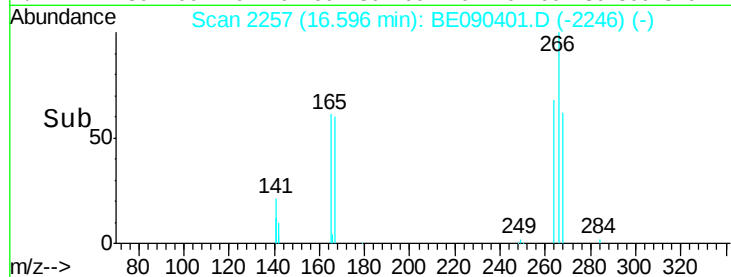
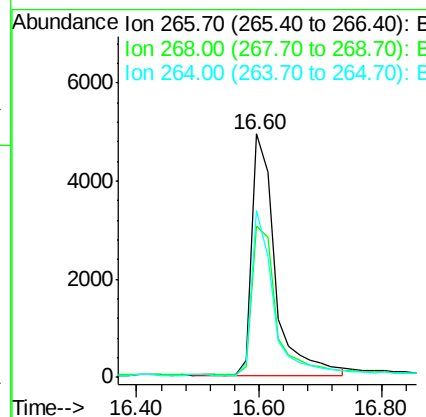
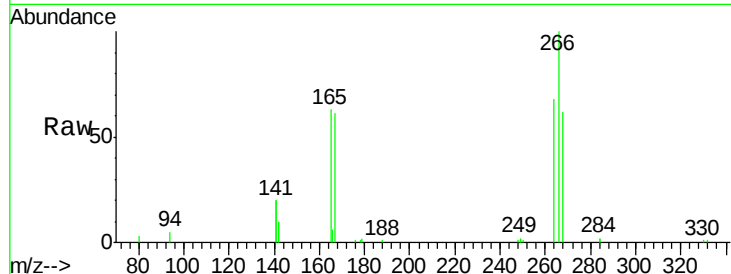
#21
 Pentachlorophenol
 Concen: 7.05 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Instrument :
 BNA_E
 ClientSampled :
 PB84793BS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	12890		
268	62.0	58.5	87.7	
264	68.4	56.0	84.0	

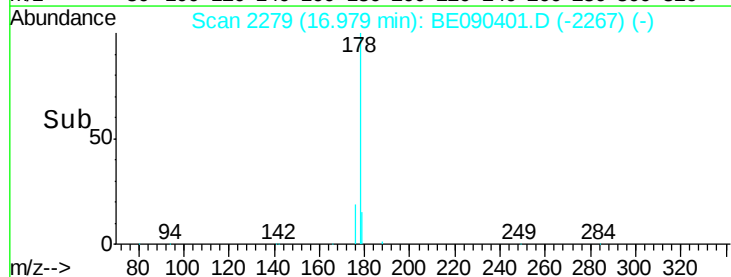
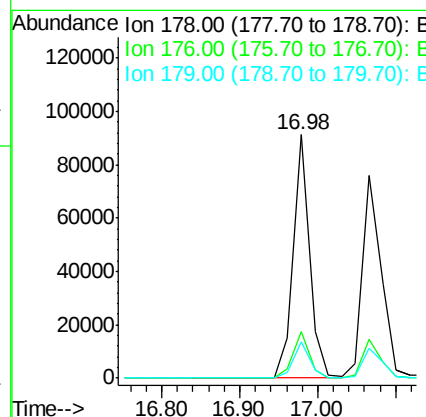
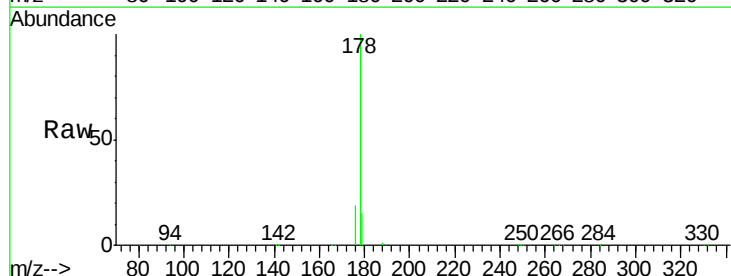
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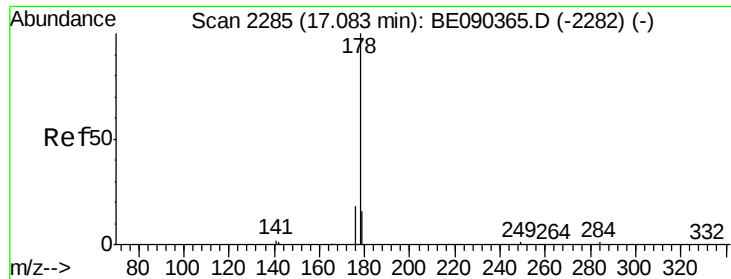
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#22
 Phenanthrene
 Concen: 4.21 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130953		
176	19.2	15.4	23.2	
179	15.2	12.5	18.7	





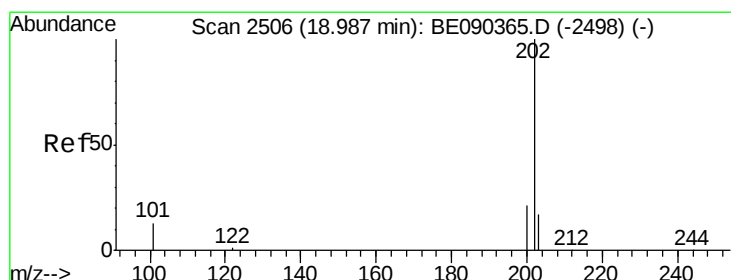
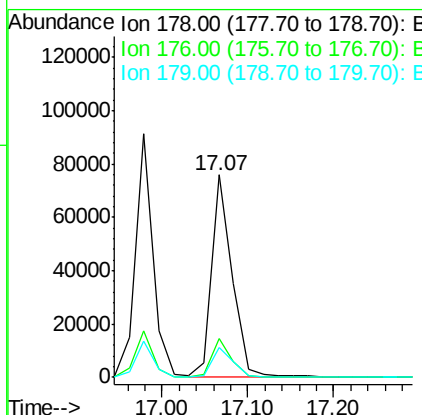
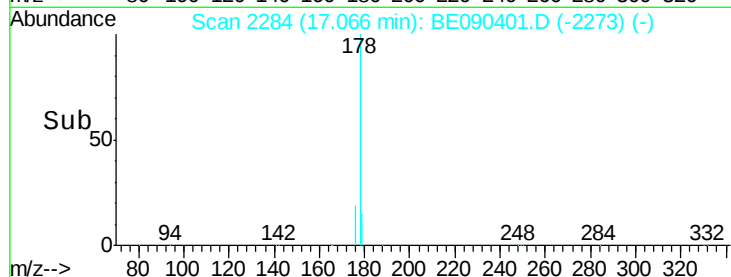
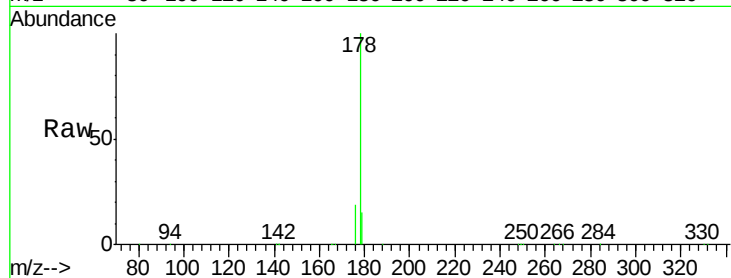
#23
 Anthracene
 Concen: 4.94 ng
 RT: 17.07 min Scan# 2284
 Delta R.T. -0.02 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Instrument :
 BNA_E
 ClientSampleId :
 PB84793BS

Tot Ion:	178	Resp:	126032
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.9	22.3
179	15.3	12.2	18.4

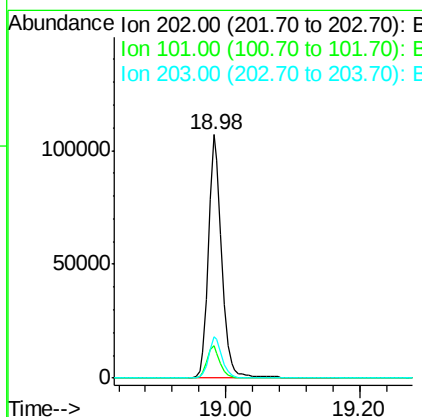
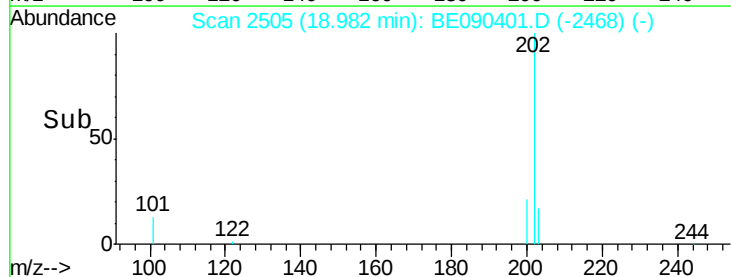
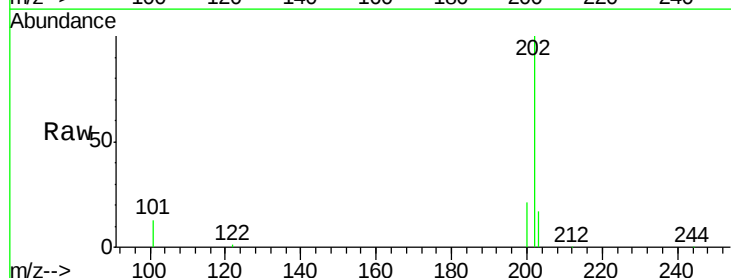
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#24
 Fluoranthene
 Concen: 4.80 ng
 RT: 18.98 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Tgt Ion:	202	Resp:	146826
Ion Ratio	Lower	Upper	
202	100		
101	13.2	10.3	15.5
203	17.2	13.7	20.5





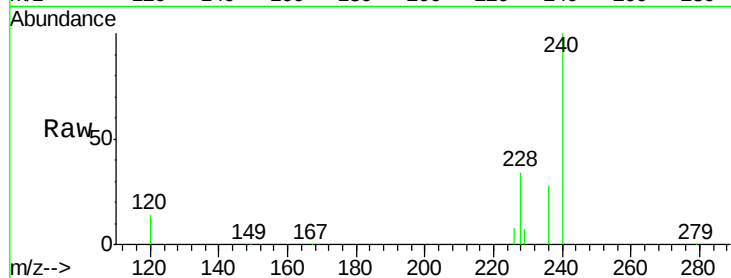
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

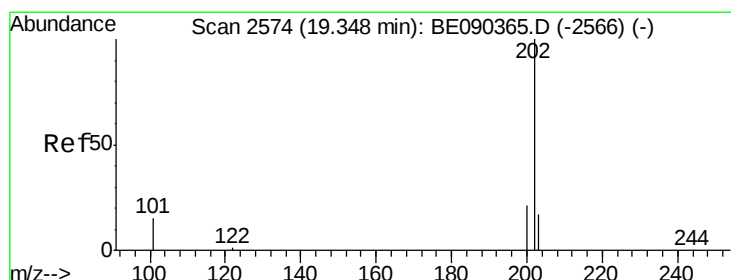
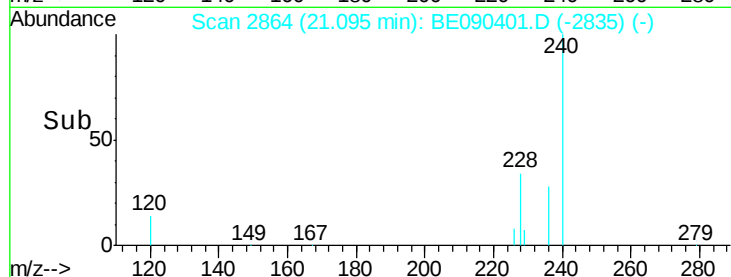
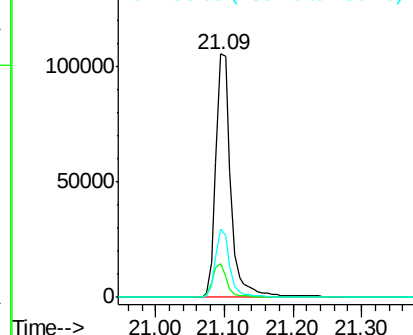
Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.0	8.3	12.5#
236	27.9	21.0	31.4

Manual Integrations
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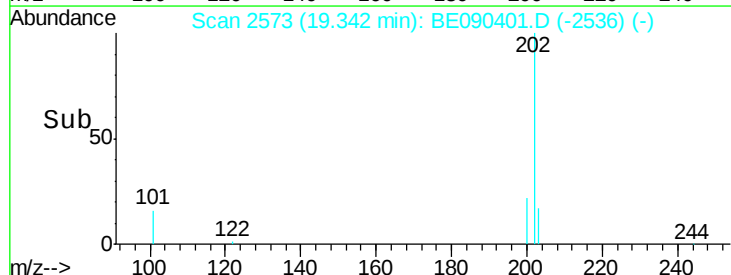
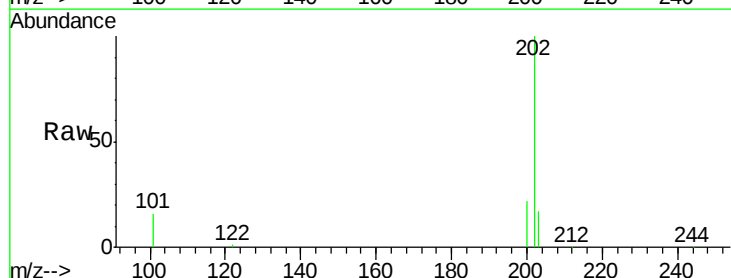
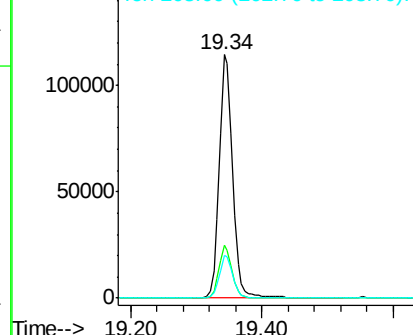
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#26
Pyrene
Concen: 4.67 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	16.7	25.1
203	17.8	13.8	20.8

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





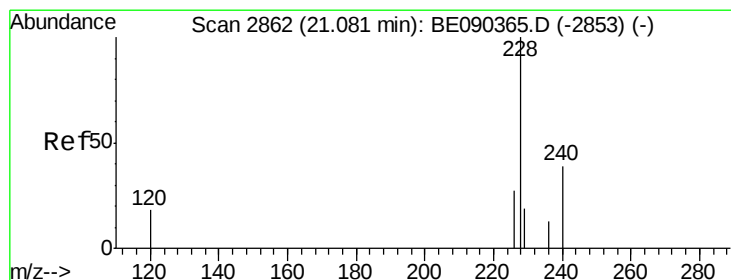
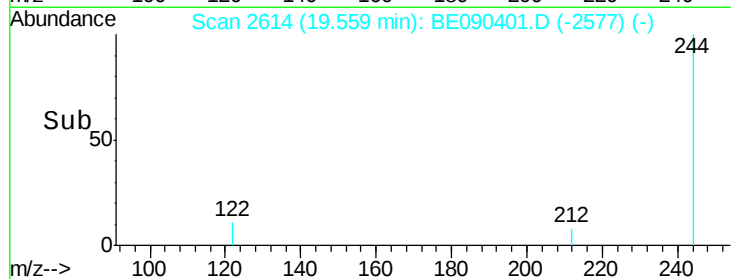
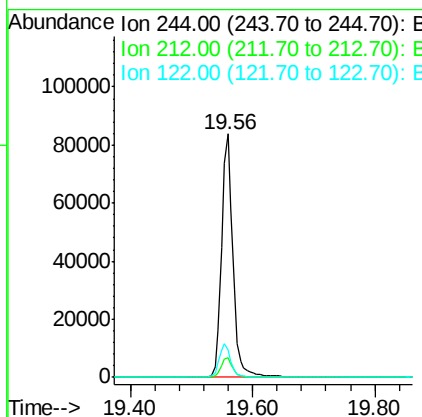
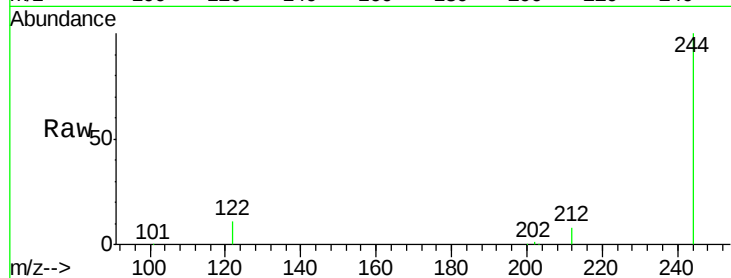
#27
 Terphenyl-d14
 Concen: 4.61 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Instrument :
 BNA_E
 ClientSampleID :
 PB84793BS

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.0	6.6	9.8	
122	11.5	10.2	15.4	

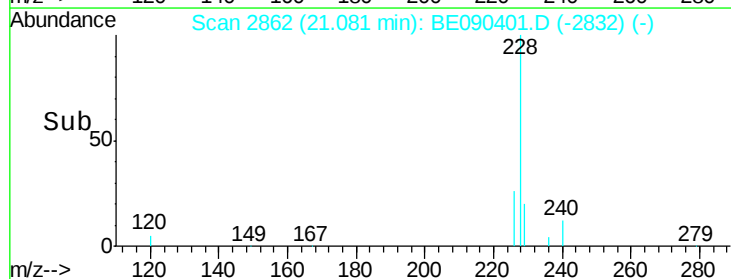
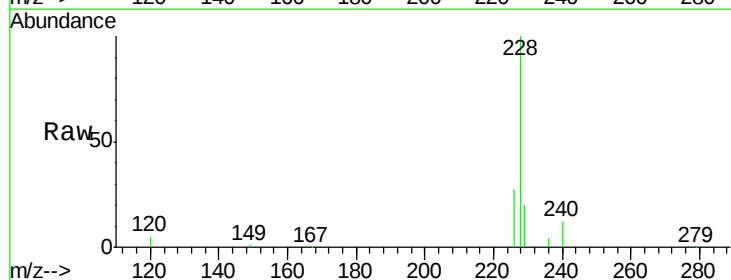
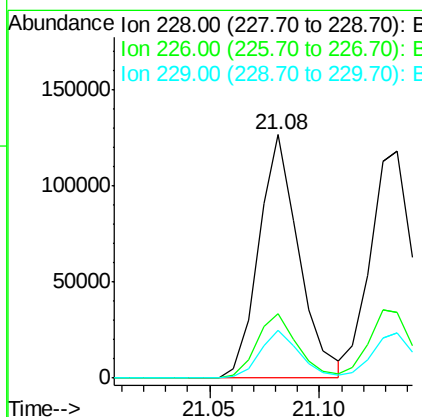
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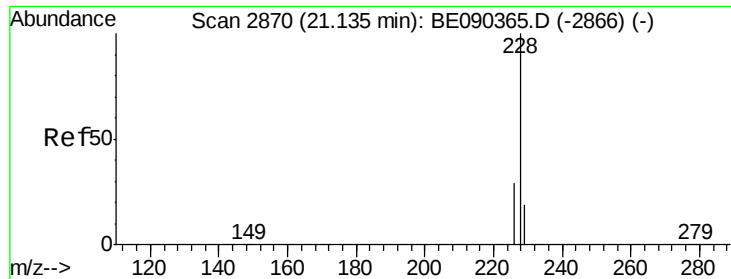
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#28
 Benzo(a)anthracene
 Concen: 4.49 ng
 RT: 21.08 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	26.5	21.9	32.9	
229	19.8	15.4	23.0	





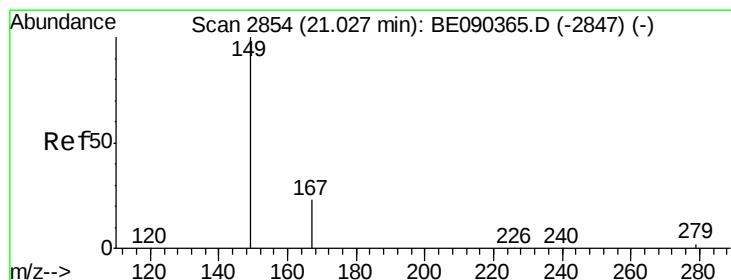
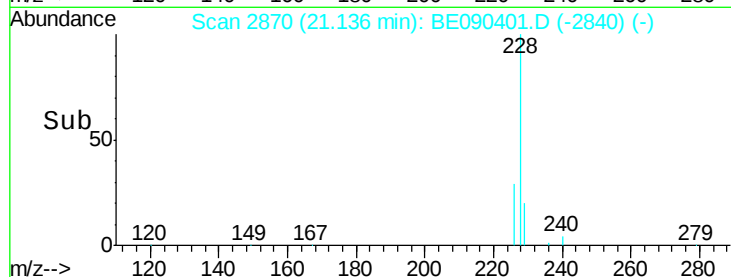
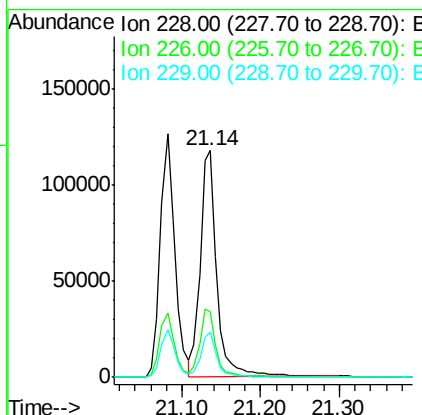
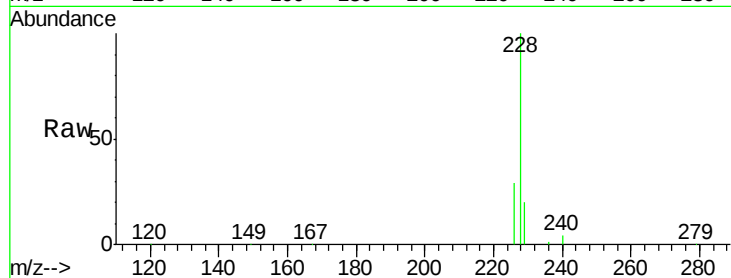
#29
Chrysene
Concen: 4.03 ng
RT: 21.14 min Scan# 2870
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.1	34.7
229	20.2	15.8	23.8

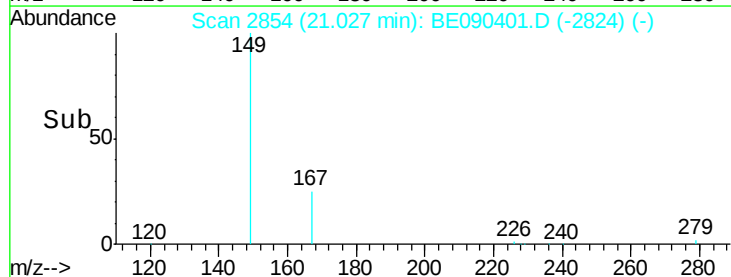
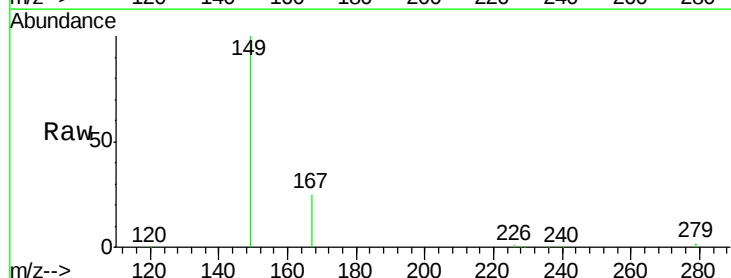
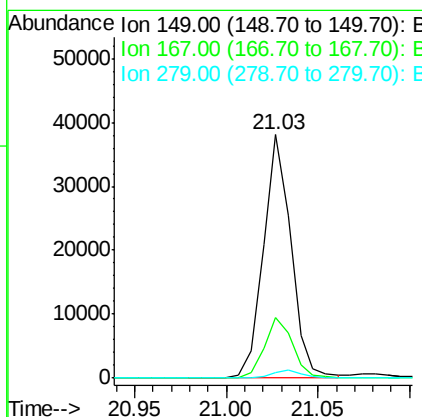
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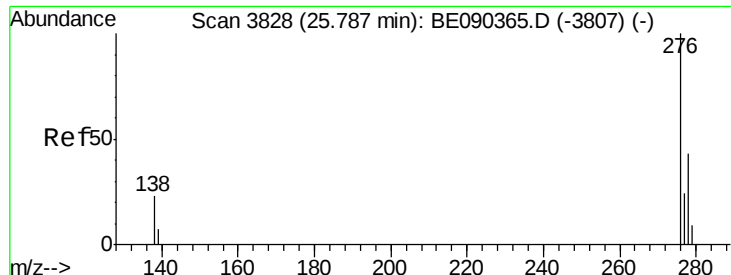
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#30
Bis(2-ethylhexyl)phthalate
Concen: 3.50 ng
RT: 21.03 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	19.8	29.8
279	3.1	2.4	3.6





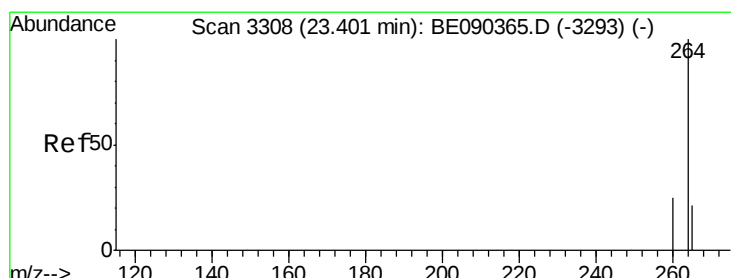
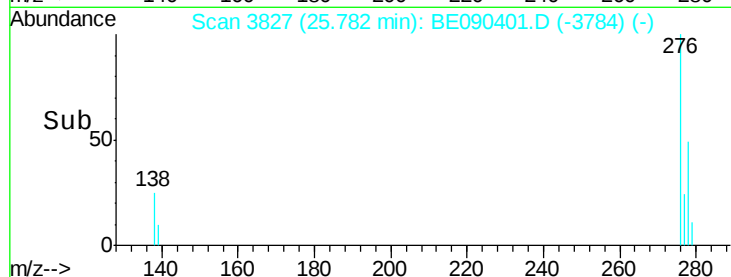
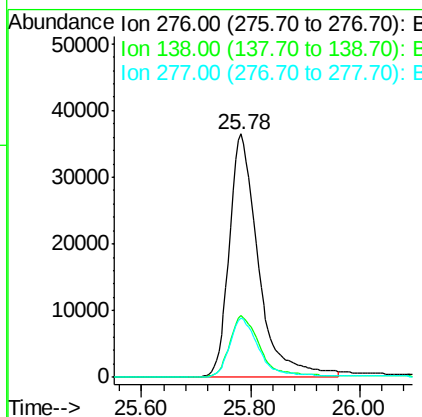
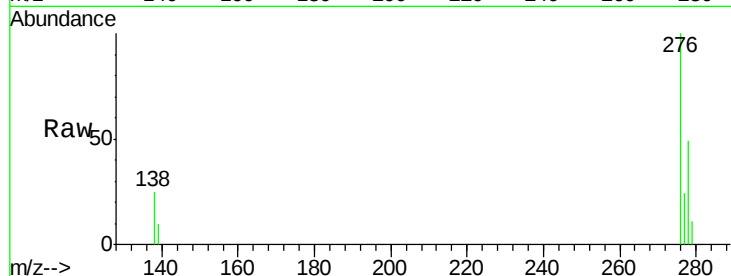
#31
Indeno(1,2,3-cd)pyrene
Concen: 3.52 ng
RT: 25.78 min Scan# 3827
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Tot Ion	Ratio	Resp	Lower	Upper
276	100	133767		
138	26.4		18.8	28.2
277	24.8		18.2	27.4

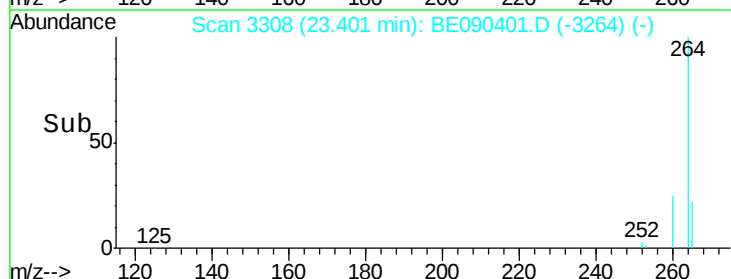
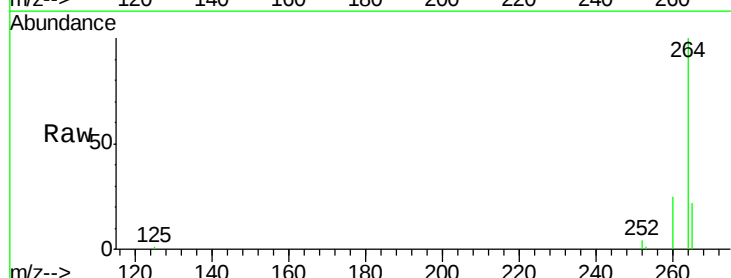
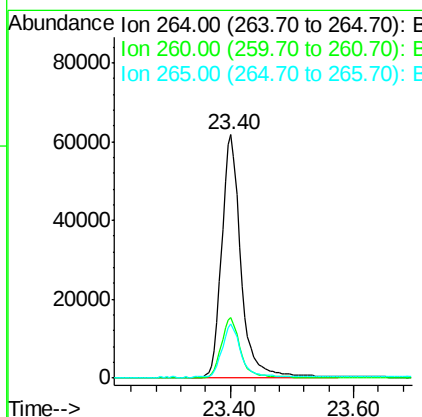
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#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	134020		
260	25.0		20.1	30.1
265	22.1		17.2	25.8





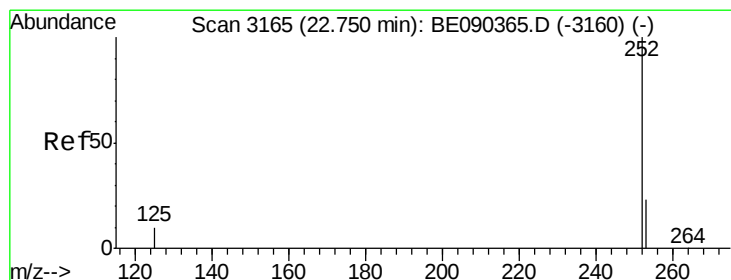
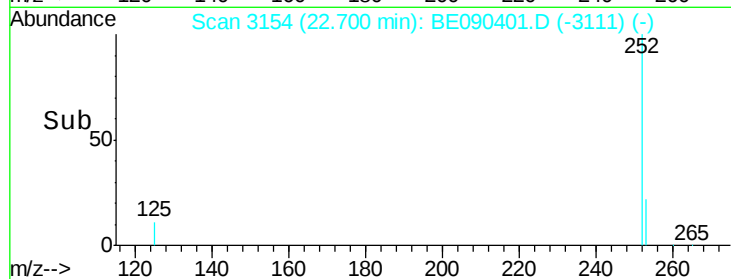
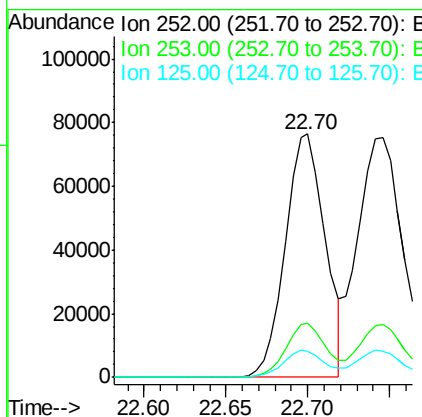
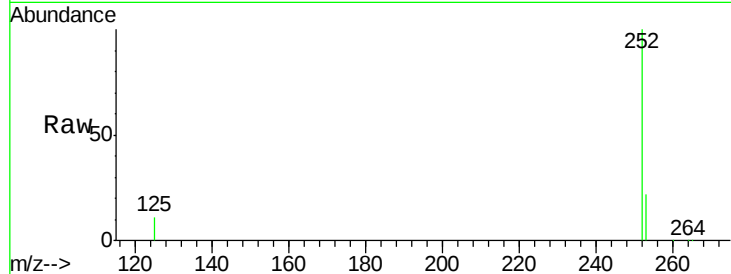
#33
Benzo(b)fluoranthene
Concen: 4.28 ng
RT: 22.70 min Scan# 3154
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	10.9	9.4	14.2

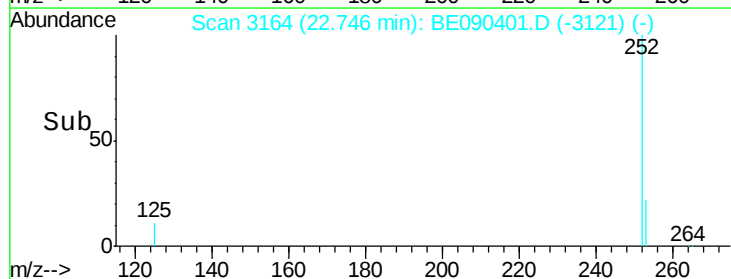
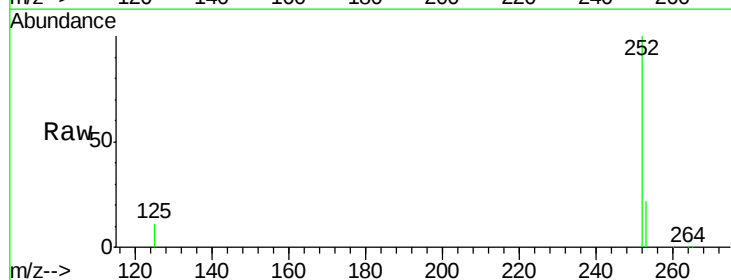
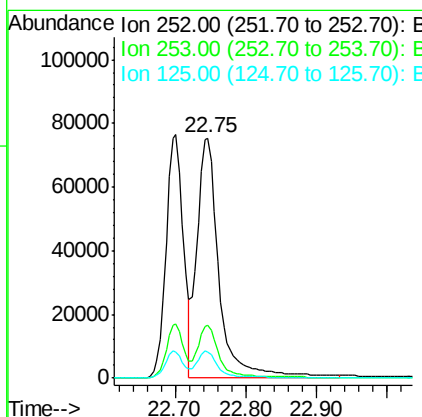
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#34
Benzo(k)fluoranthene
Concen: 4.43 ng m
RT: 22.75 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	11.0	9.1	13.7





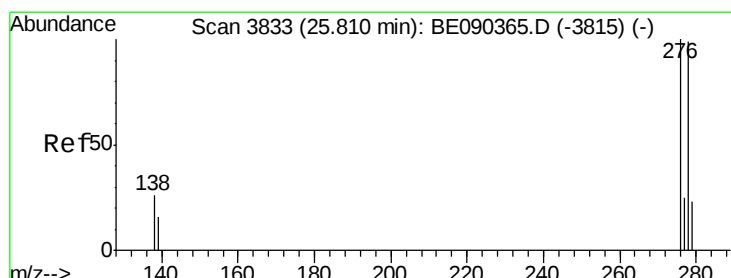
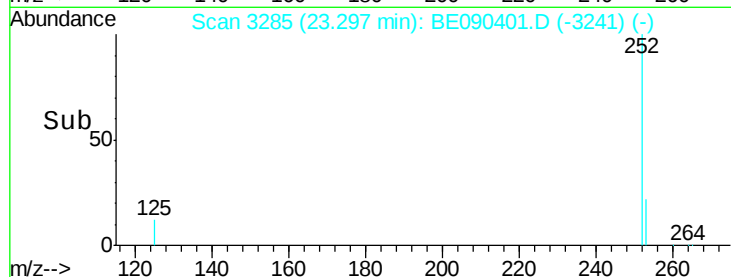
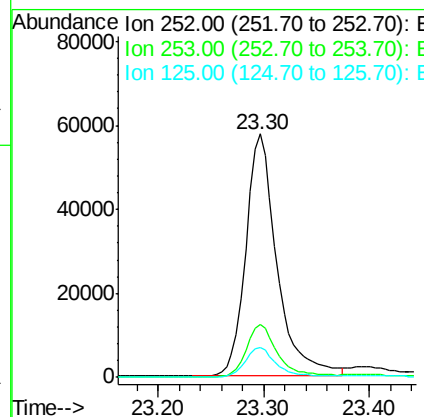
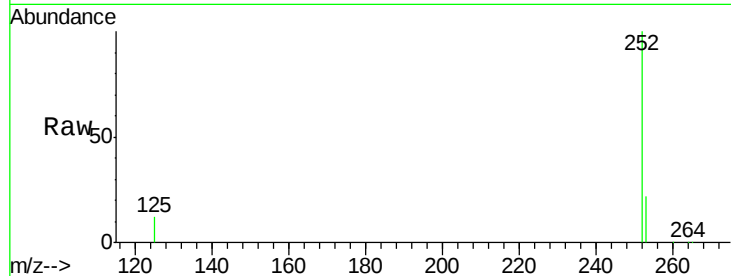
#35
Benzo(a)pyrene
Concen: 4.18 ng
RT: 23.30 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Instrument :
BNA_E
ClientSampleId :
PB84793BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.2	9.8	14.6

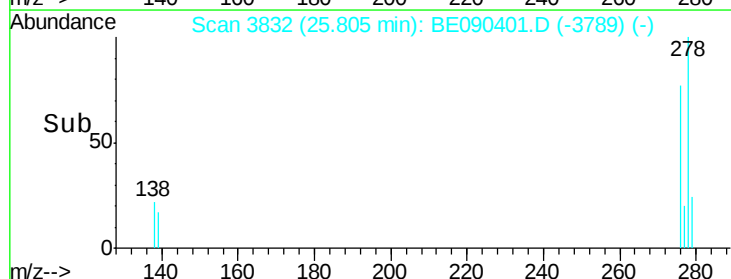
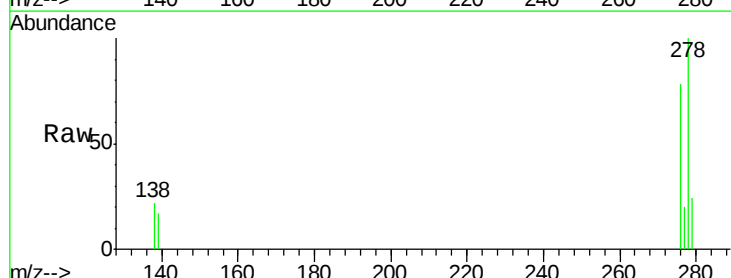
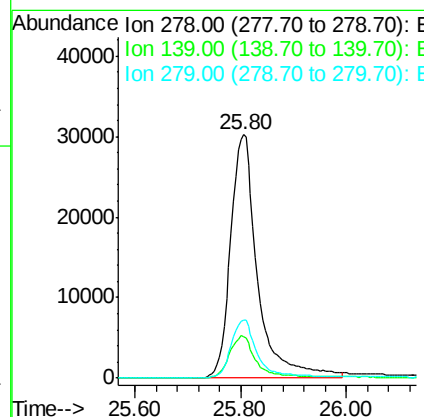
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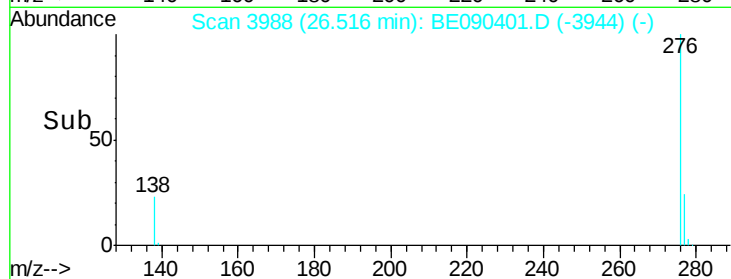
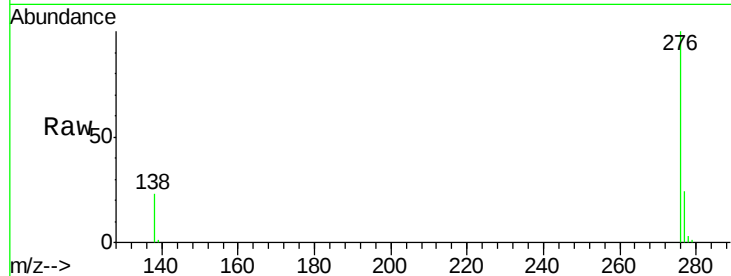
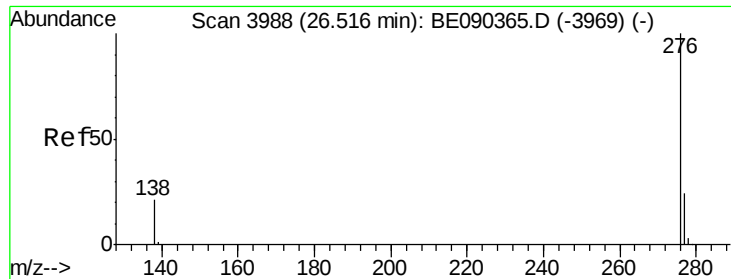
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#36
Dibenzo(a,h)anthracene
Concen: 3.87 ng
RT: 25.80 min Scan# 3832
Delta R.T. -0.00 min
Lab File: BE090401.D
Acq: 7 Aug 2015 17:16

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	17.1	14.2	21.4
279	24.1	20.1	30.1





#37
 Benzo(a,h,i)perylene
 Concen: 4.75 ng
 RT: 26.52 min Scan# 3988
 Delta R.T. -0.00 min
 Lab File: BE090401.D
 Acq: 7 Aug 2015 17:16

Instrument :
 BNA_E
 ClientSampleId :
 PB84793BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.9	20.1	30.1
138	22.9	18.1	27.1

Manual Integrations
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