

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080715\
 Data File : BE090400.D
 Acq On : 7 Aug 2015 16:40
 Operator : TP/UM
 Sample : PB84826BSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BSD

Manual Integrations
 APPROVED

MMDadoda
 8/10/2015 7:11:20 PM

Quant Time: Aug 07 23:53:49 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	22856	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	107073	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	61862	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	143379	5.00	ng	0.00
25) Chrysene-d12	21.10	240	181522	5.00	ng	0.00
32) Perylene-d12	23.40	264	151313	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	27415	7.99	ng	0.00
5) Phenol-d6	6.76	99	48237	6.53	ng	-0.01
7) Nitrobenzene-d5	8.72	82	33312	3.87	ng	-0.01
13) 2,4,6-Tribromophenol	15.69	330	9935	5.98	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	75255	4.42	ng	0.00
27) Terphenyl-d14	19.55	244	124807	4.67	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	11349	4.19	ng	99
3) n-Nitrosodimethylamine	3.49	42	14805	4.19	ng	# 92
8) Nitrobenzene	8.77	77	35037	3.81	ng	97
9) Naphthalene	10.38	128	92741	3.92	ng	99
10) Hexachlorobutadiene	10.69	225	15493	4.32	ng	100
11) 2-Methylnaphthalene	12.00	142	60169	4.39	ng	99
15) Acenaphthylene	13.91	152	424638	4.24	ng	100
16) Acenaphthene	14.26	154	63798	4.10	ng	92
17) Fluorene	15.26	166	87264	4.31	ng	97
19) 4-Bromophenyl-phenylether	16.14	248	24427	4.38	ng	98
20) Hexachlorobenzene	16.27	284	111087	3.86	ng	99
21) Pentachlorophenol	16.60	266	15364	7.19	ng	91
22) Phenanthrene	16.98	178	152016	4.24	ng	99
23) Anthracene	17.07	178	145077	4.92	ng	100
24) Fluoranthene	18.98	202	167434	4.74	ng	100
26) Pyrene	19.34	202	185470	4.71	ng	99
28) Benzo(a)anthracene	21.08	228	181737	4.52	ng	99
29) Chrysene	21.14	228	198725	4.09	ng	99
30) Bis(2-ethylhexyl)phthalate	21.03	149	47002	3.63	ng	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	150520	3.51	ng	95
33) Benzo(b)fluoranthene	22.70	252	146439	4.31	ng	98
34) Benzo(k)fluoranthene	22.75	252	193186m	4.58	ng	
35) Benzo(a)pyrene	23.30	252	133862	4.18	ng	100
36) Dibenzo(a,h)anthracene	25.80	278	120058	3.86	ng	98
37) Benzo(g,h,i)perylene	26.51	276	132090	4.73	ng	98

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

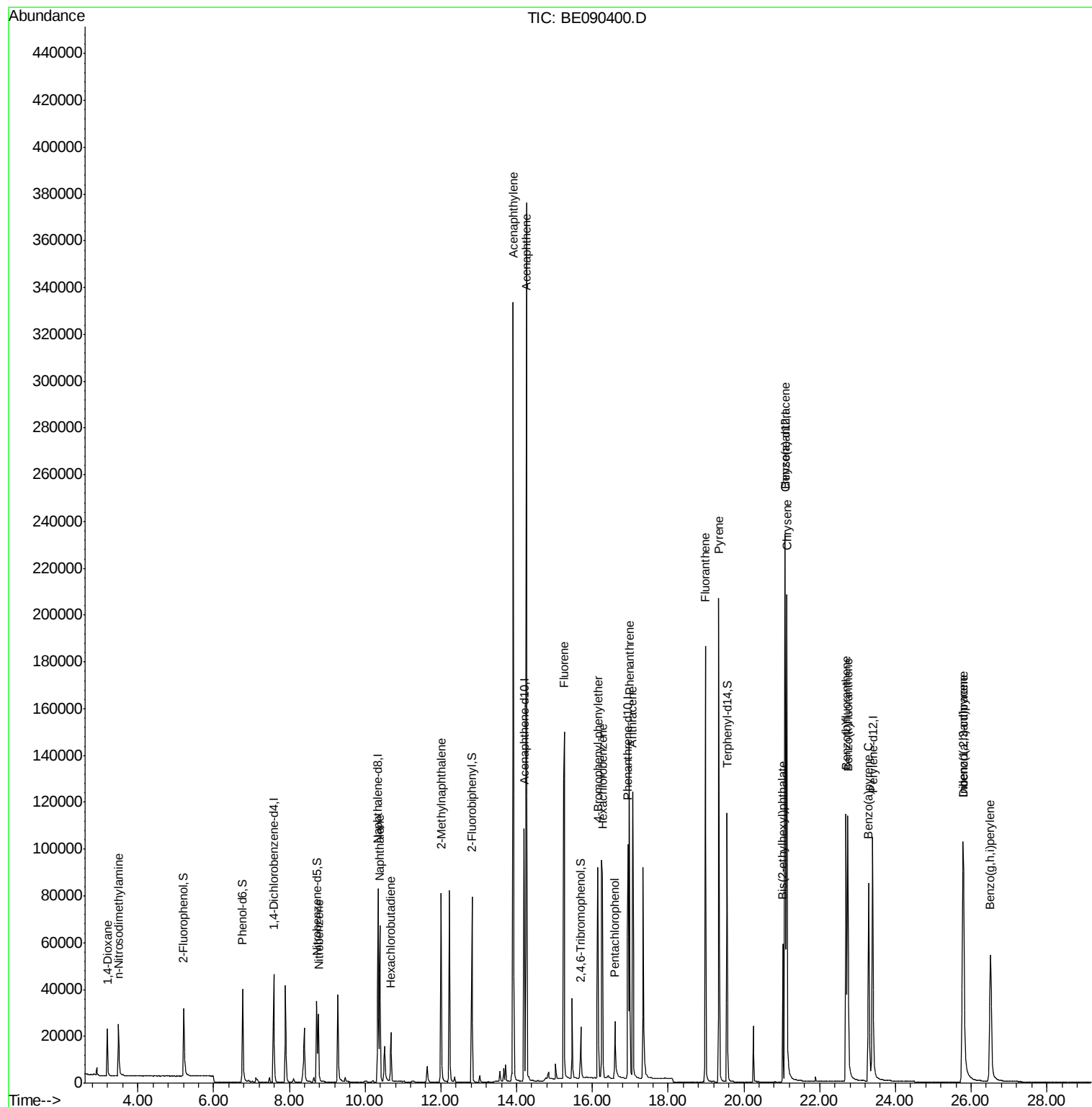
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080715\
Data File : BE090400.D
Acq On : 7 Aug 2015 16:40
Operator : TP/UM
Sample : PB84826BSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Manual Integrations
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8/10/2015 7:11:20 PM

Quant Time: Aug 07 23:53:49 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. -0.00 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Instrument :

BNA_E

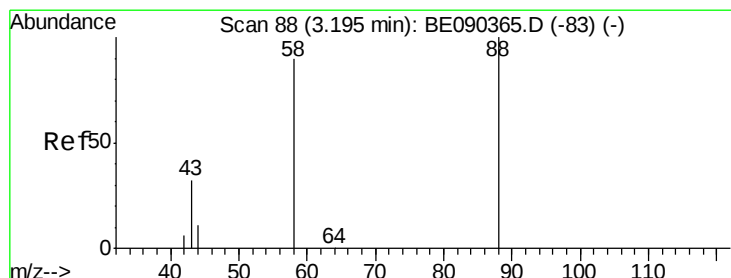
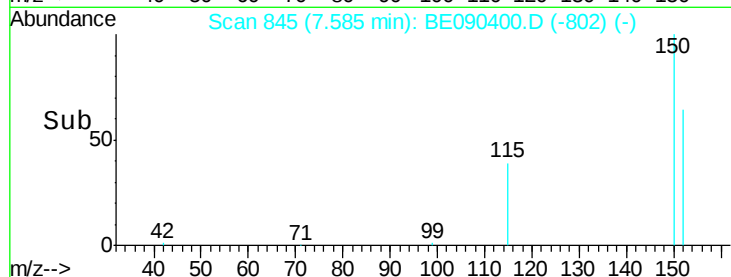
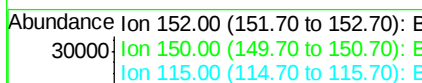
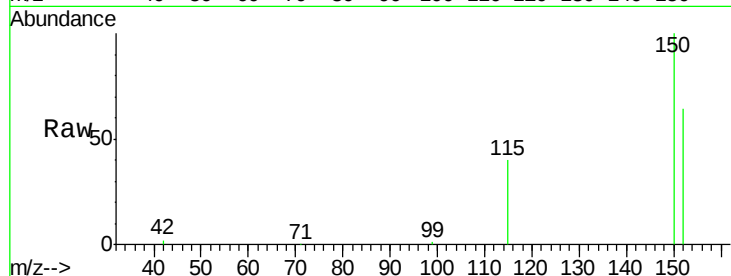
ClientSampleId :

PB84826BSD

Tot Ion:	152	Resp:	22856
Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.0	184.4
115	61.5	48.9	73.3

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#2

1,4-Dioxane

Concen: 4.19 ng

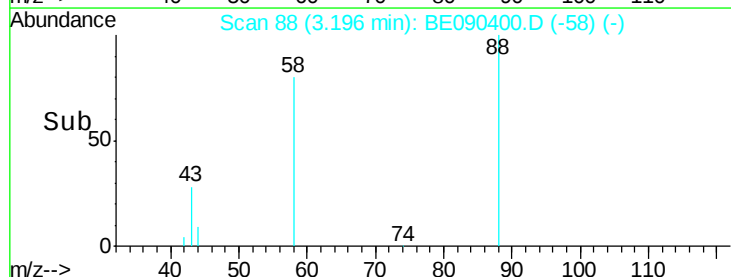
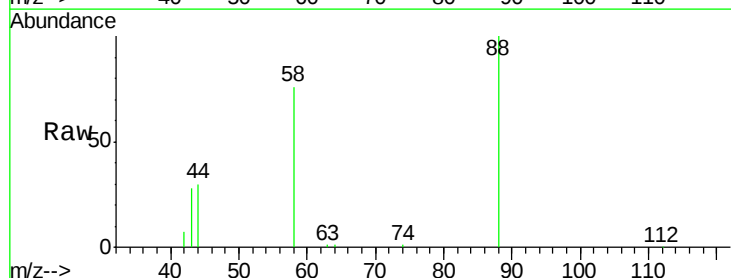
RT: 3.20 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Tgt Ion:	88	Resp:	11349
Ion	Ratio	Lower	Upper
88	100		
58	87.9	70.0	105.0
43	34.0	28.4	42.6





#3

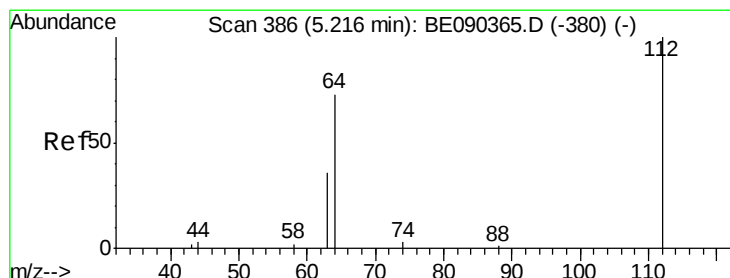
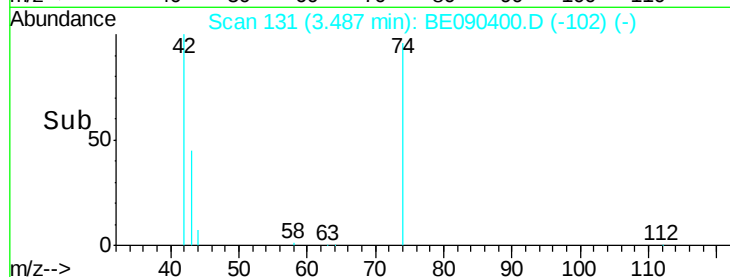
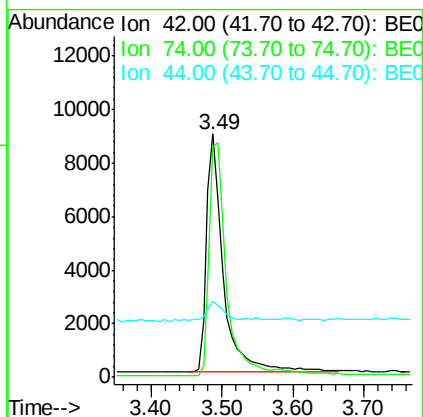
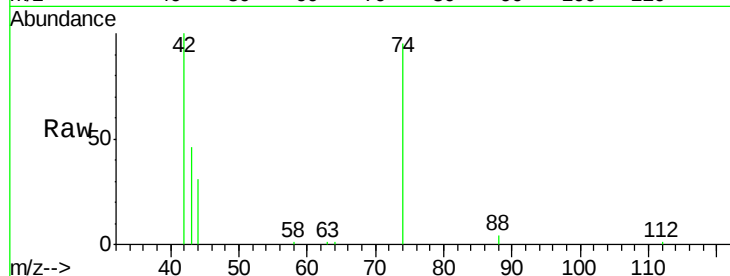
n-Nitrosodimethylamine
 Concen: 4.19 ng
 RT: 3.49 min Scan# 131
 Delta R.T. -0.01 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BSD

Manual Integrations
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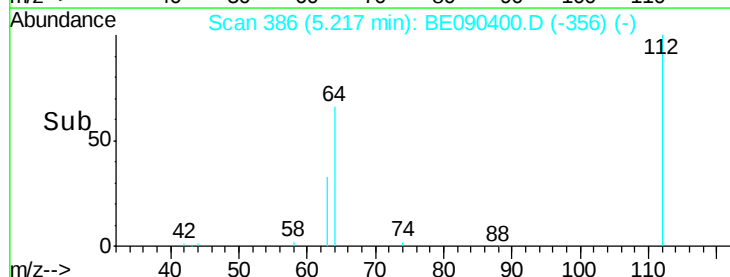
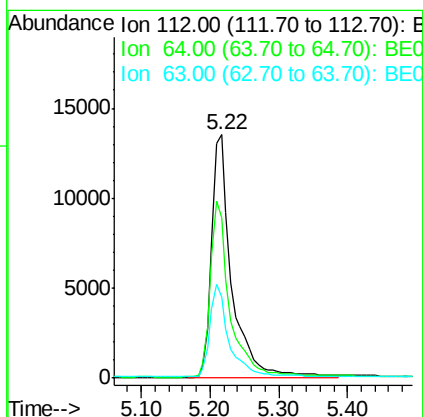
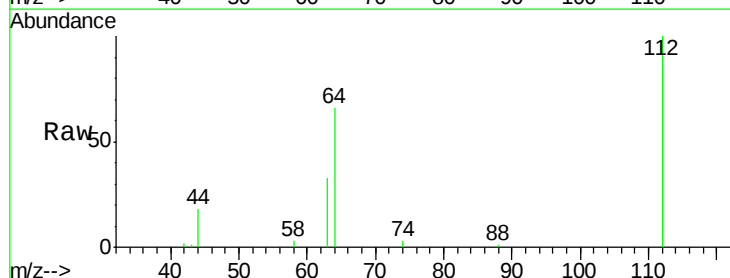
Tot Ion	Ratio	Lower	Upper
42	100		
74	101.9	75.2	112.8
44	7.1	8.7	13.1#



#4

2-Fluorophenol
 Concen: 7.99 ng
 RT: 5.22 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.0	37.1	55.7#
63	37.2	19.5	29.3#





#5

Phenol-d6

Concen: 6.53 ng

RT: 6.76 min Scan# 665

Delta R.T. -0.01 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Instrument :

BNA_E

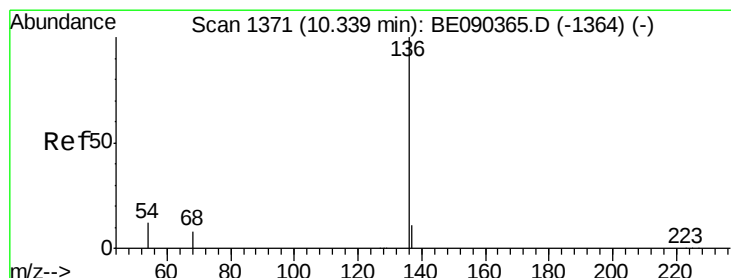
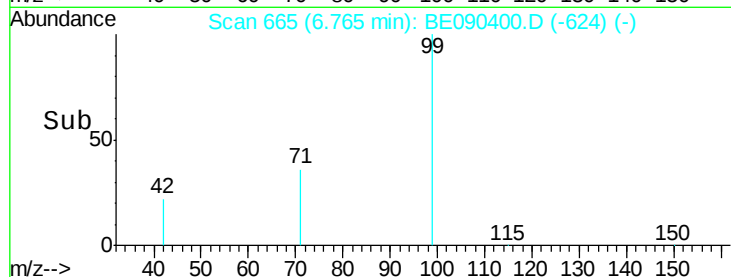
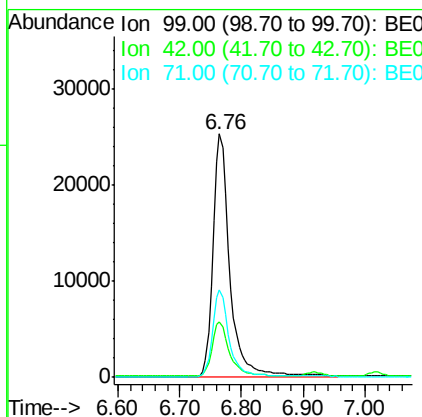
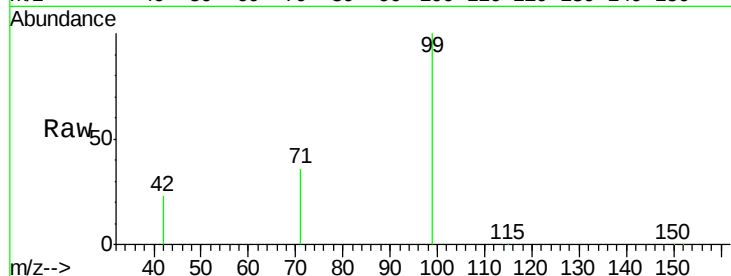
ClientSampleId :

PB84826BSD

Tot Ion:	99	Resp:	48237
Ion Ratio	Lower	Upper	
99	100		
42	23.3	18.2	27.4
71	35.4	27.4	41.0

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#6

Naphthalene-d8

Concen: 5.00 ng

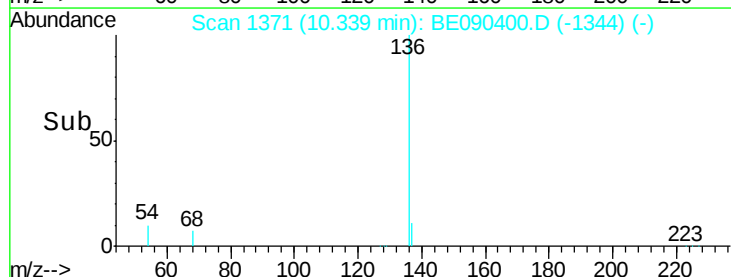
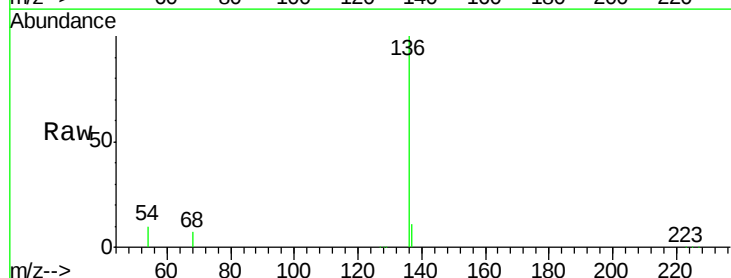
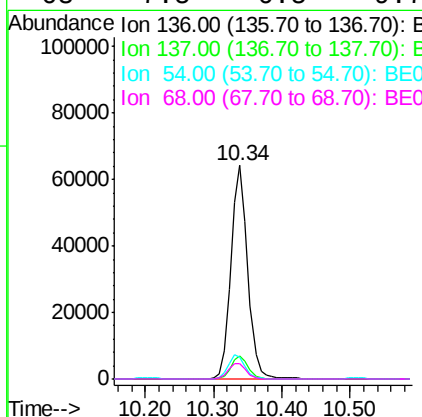
RT: 10.34 min Scan# 1371

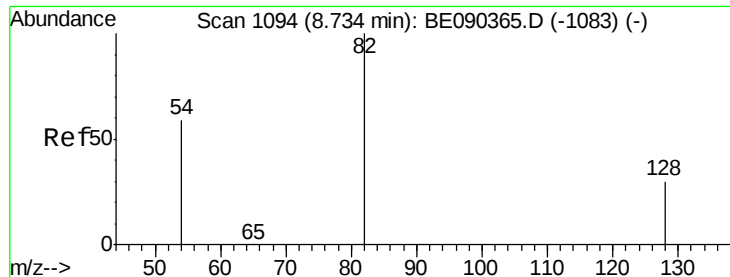
Delta R.T. 0.00 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Tgt Ion:	136	Resp:	107073
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	10.5	9.4	14.0
68	7.5	6.5	9.7





#7

Nitrobenzene-d5

Concen: 3.87 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Instrument :

BNA_E

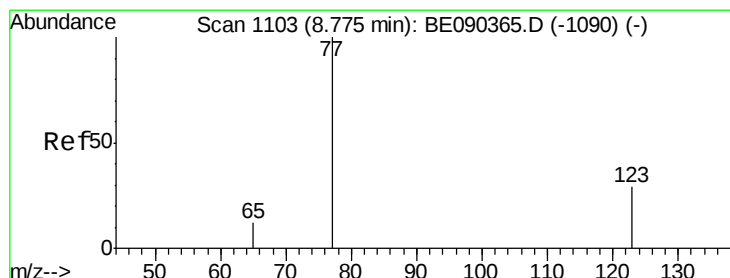
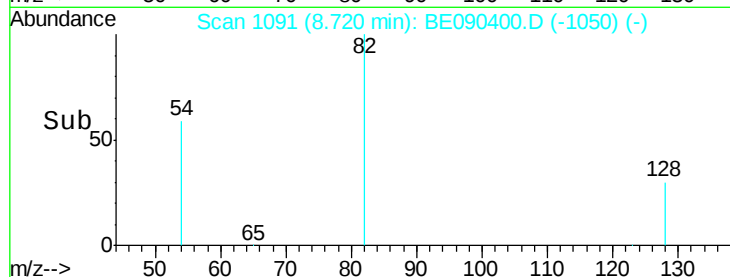
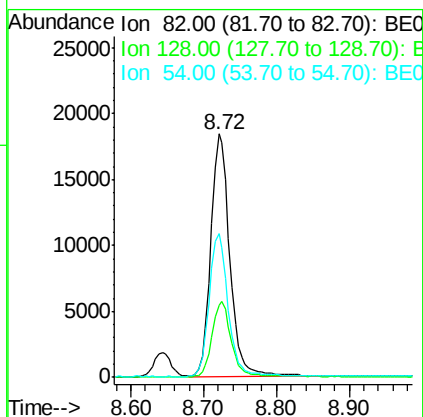
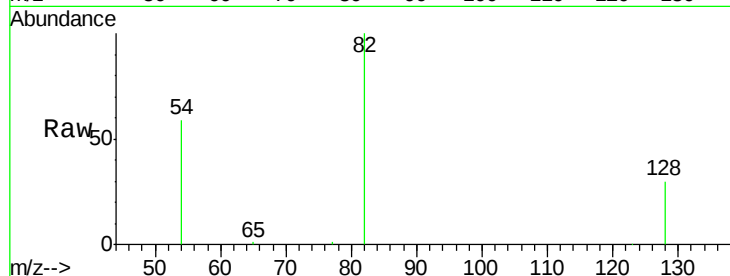
ClientSampleId :

PB84826BSD

Manual Integrations
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Tot Ion	82	Resp	33312
Ion	Ratio	Lower	Upper
82	100		
128	29.8	25.0	37.6
54	58.8	48.8	73.2



#8

Nitrobenzene

Concen: 3.81 ng

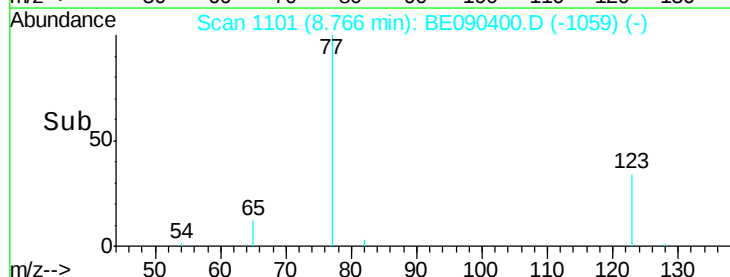
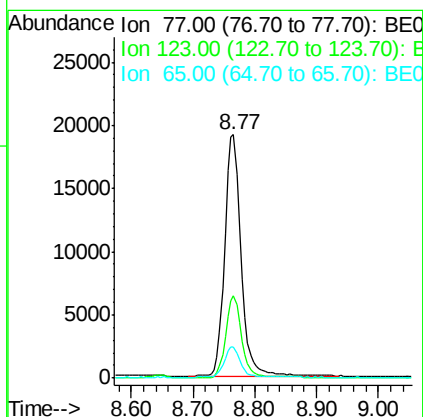
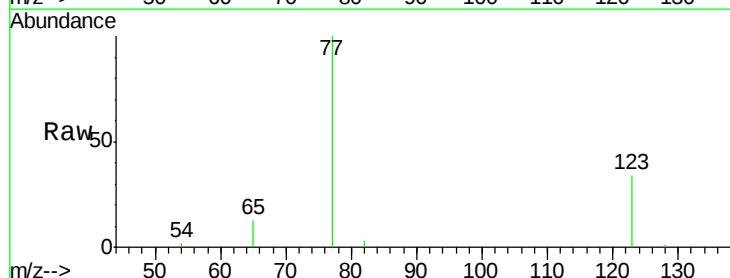
RT: 8.77 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Tgt Ion	77	Resp	35037
Ion	Ratio	Lower	Upper
77	100		
123	33.0	25.1	37.7
65	12.4	9.3	13.9





#9

Naphthalene

Concen: 3.92 ng

RT: 10.38 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Instrument :

BNA_E

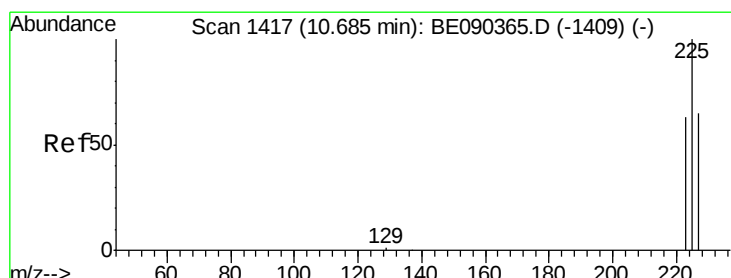
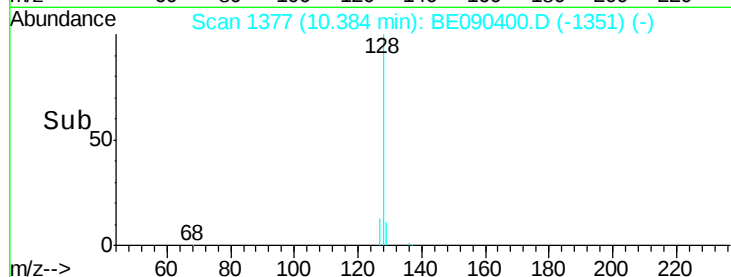
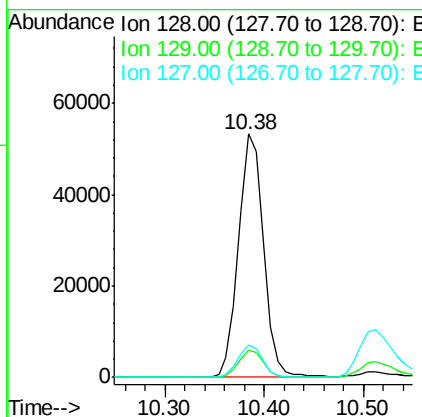
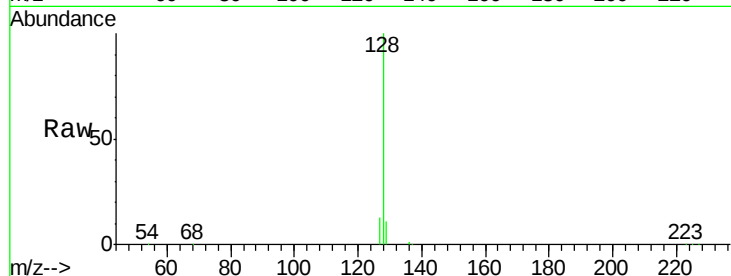
ClientSampleId :

PB84826BSD

Tot Ion:	128	Resp:	92741
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.8	14.6
127	13.2	10.6	16.0

Manual Integrations
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#10

Hexachlorobutadiene

Concen: 4.32 ng

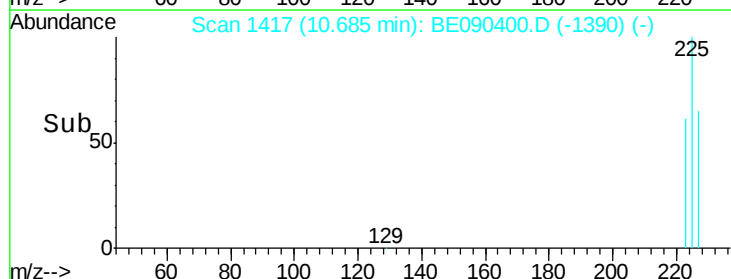
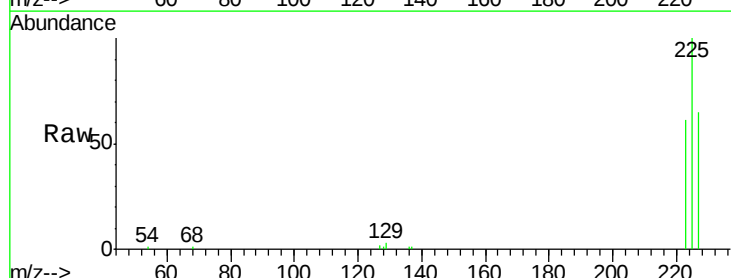
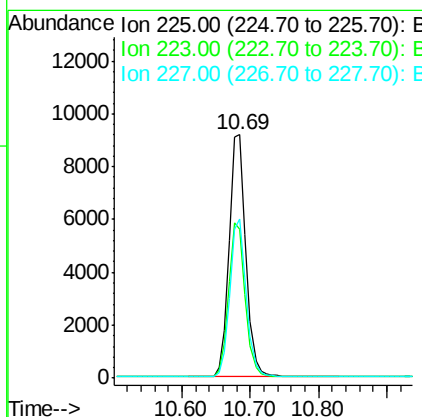
RT: 10.69 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Tgt Ion:	225	Resp:	15493
Ion Ratio	Lower	Upper	
225	100		
223	62.9	50.6	75.8
227	63.8	50.7	76.1





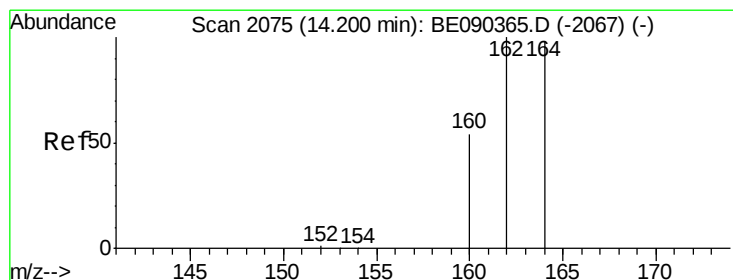
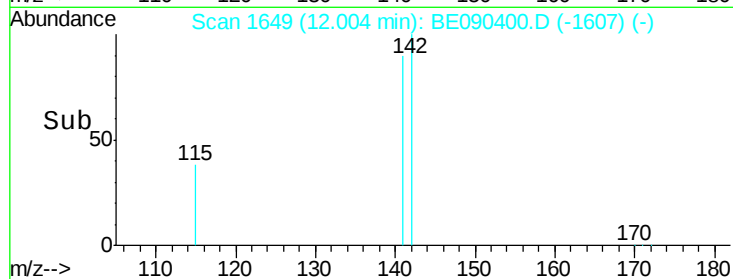
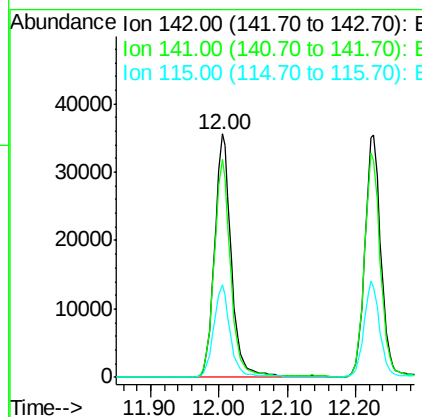
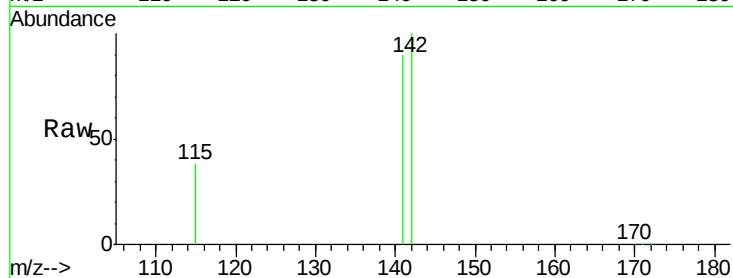
#11
2-Methylnaphthalene
Concen: 4.39 ng
RT: 12.00 min Scan# 1649
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.6	109.0
115	38.0	31.6	47.4

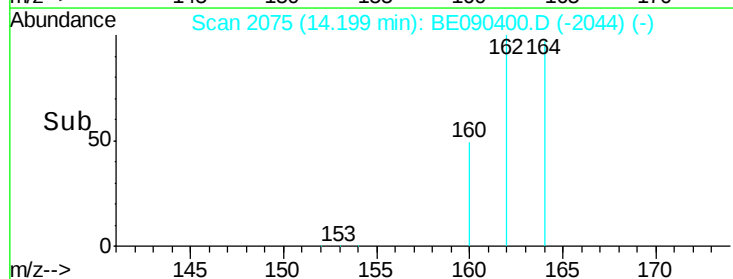
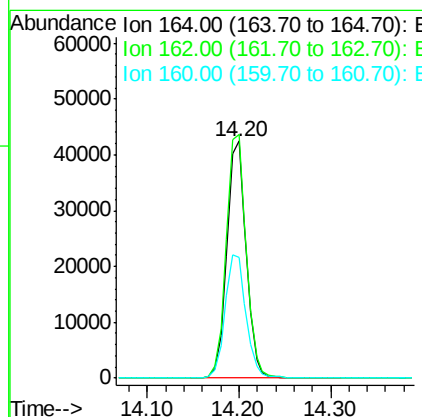
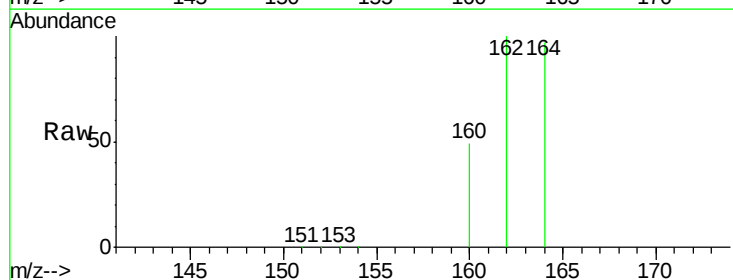
Manual Integrations
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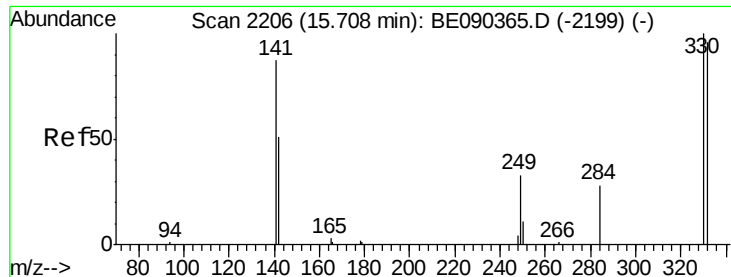
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.8
160	50.9	44.2	66.4





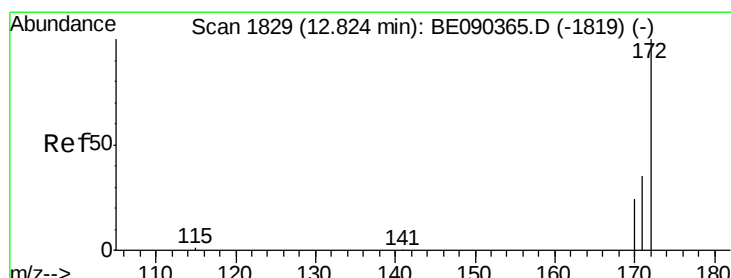
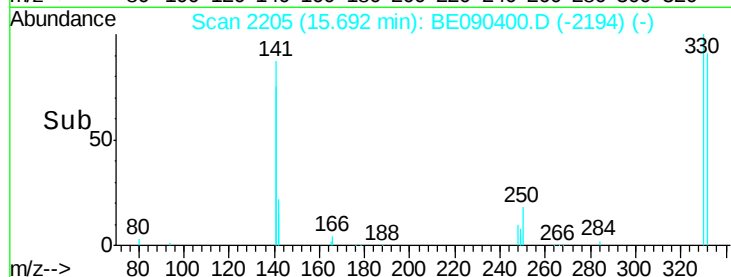
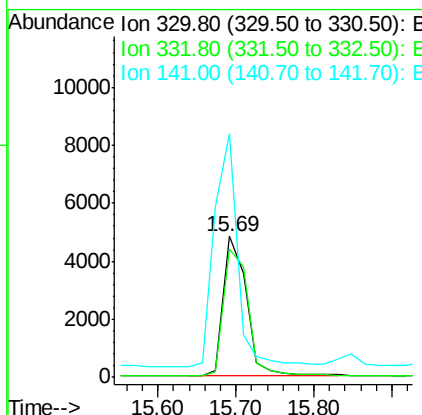
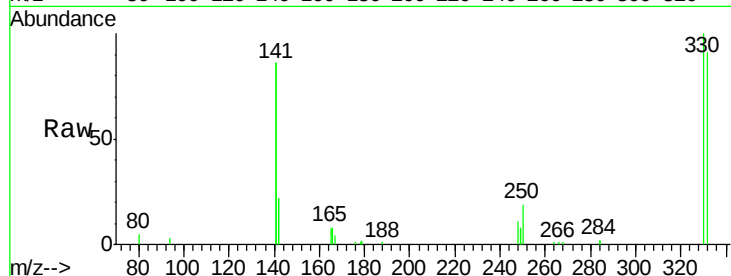
#13
 2,4,6-Tribromophenol
 Concen: 5.98 ng
 RT: 15.69 min Scan# 2205
 Delta R.T. -0.02 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BSD

Tot Ion:330 Resp: 9935
 Ion Ratio Lower Upper
 330 100
 332 97.8 75.8 113.6
 141 167.6 114.4 171.6

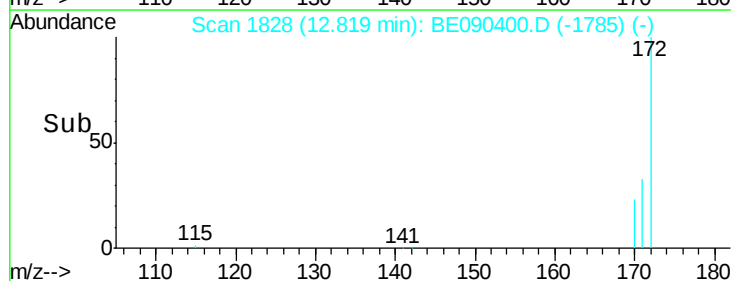
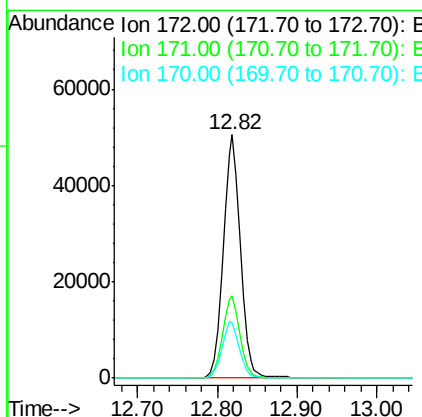
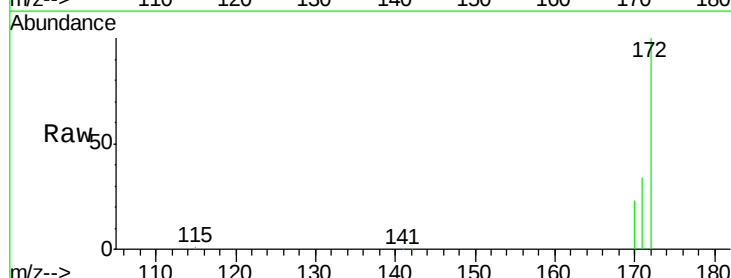
Manual Integrations
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#14
 2-Fluorobiphenyl
 Concen: 4.42 ng
 RT: 12.82 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Tgt Ion:172 Resp: 75255
 Ion Ratio Lower Upper
 172 100
 171 33.6 28.5 42.7
 170 23.0 19.8 29.8





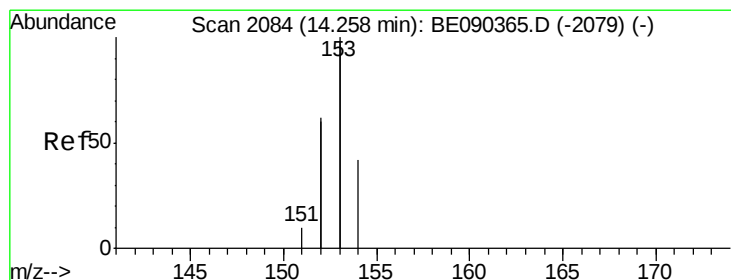
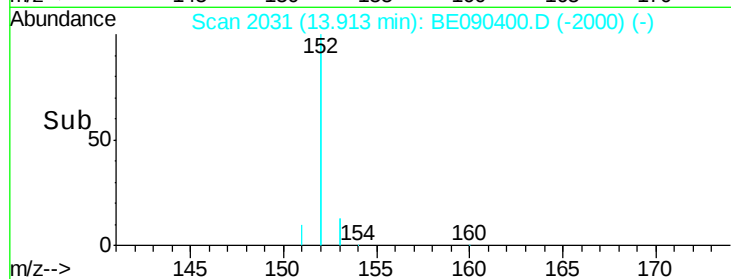
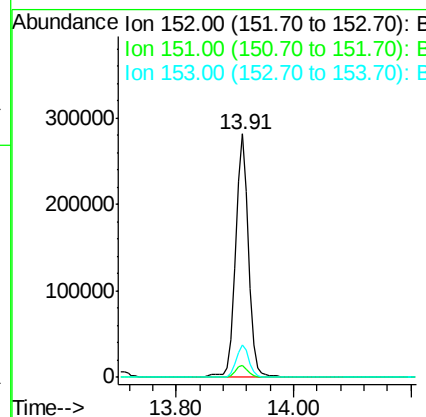
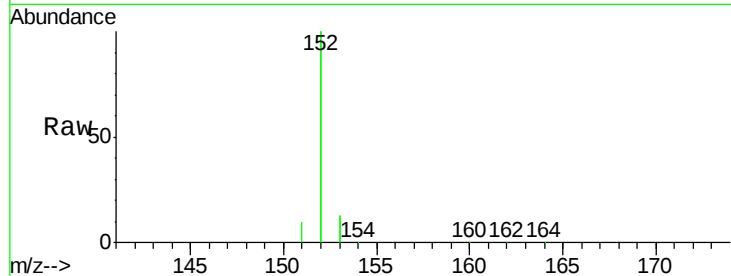
#15
Acenaphthylene
Concen: 4.24 ng
RT: 13.91 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	13.0	10.3	15.5

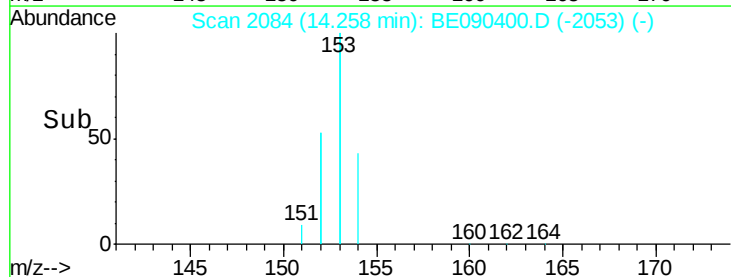
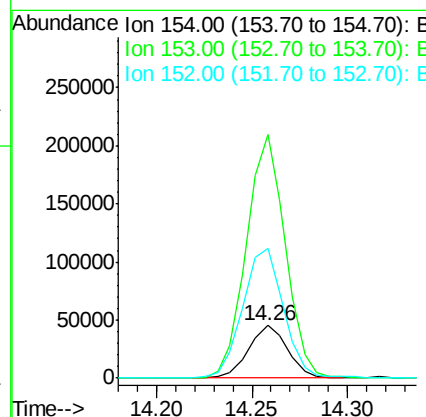
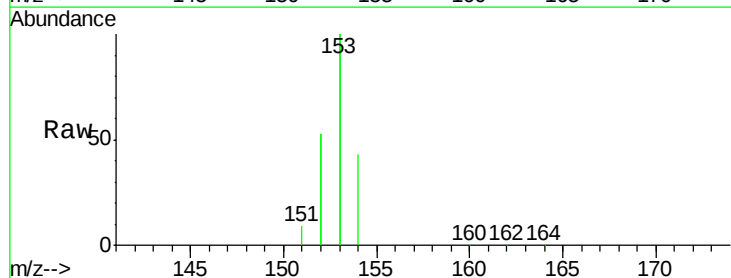
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#16
Acenaphthene
Concen: 4.10 ng
RT: 14.26 min Scan# 2084
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	464.5	376.2	564.2
152	259.7	235.0	352.4





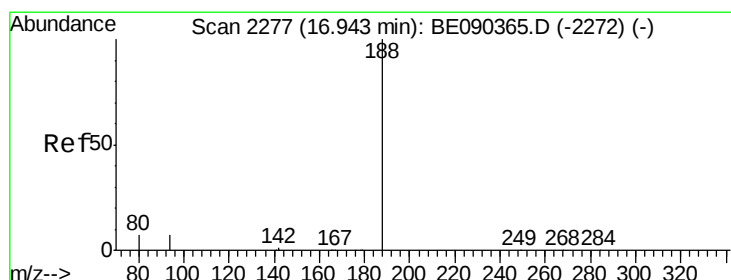
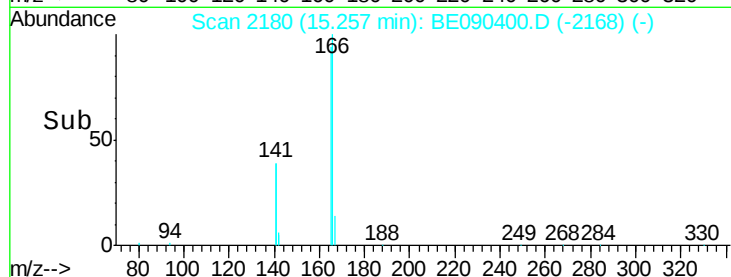
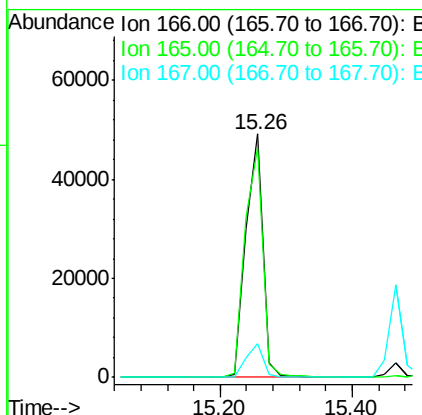
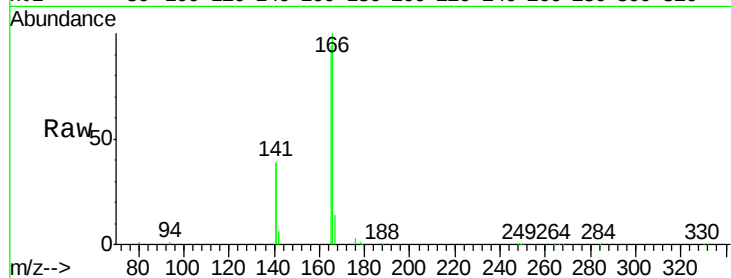
#17
Fluorene
Concen: 4.31 ng
RT: 15.26 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	81.5	122.3
167	13.6	11.4	17.0

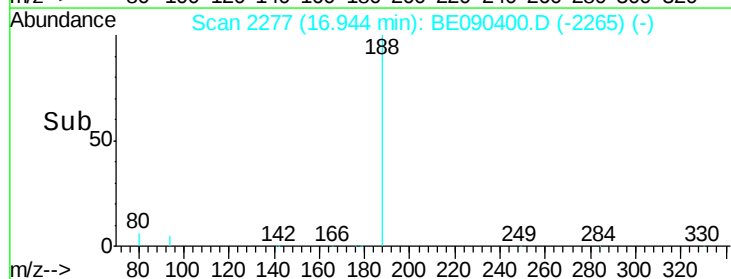
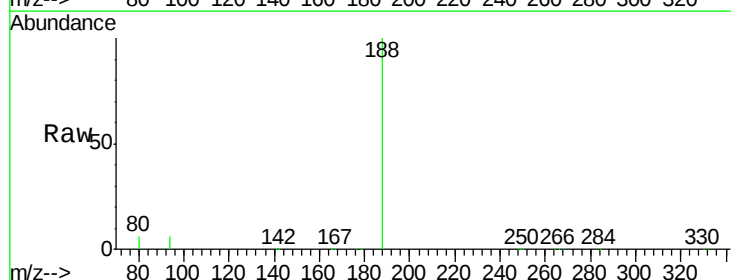
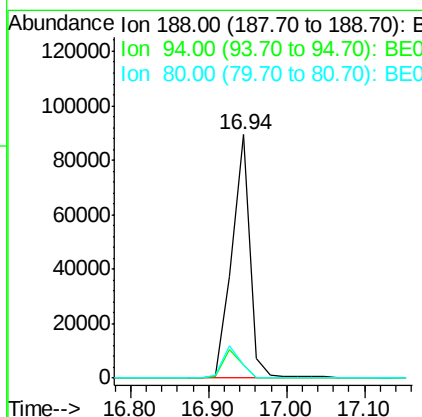
Manual Integrations
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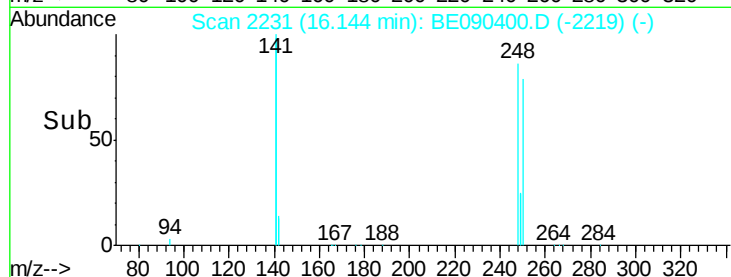
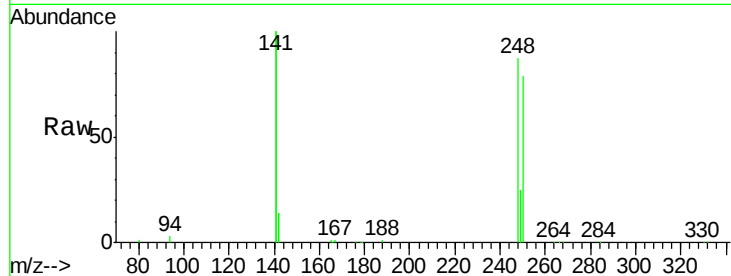
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.7	8.5#
80	5.6	5.8	8.8#





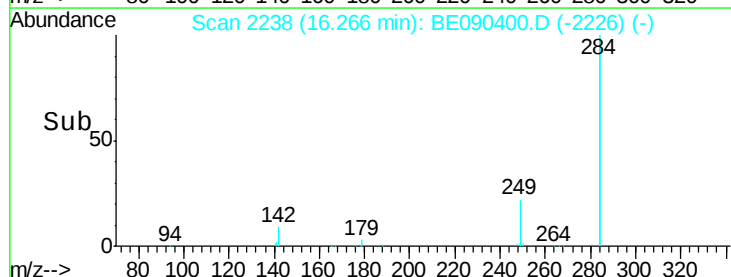
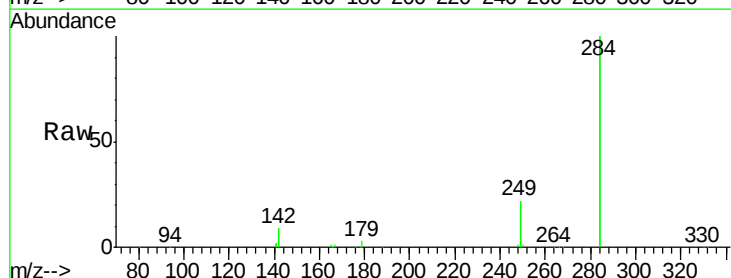
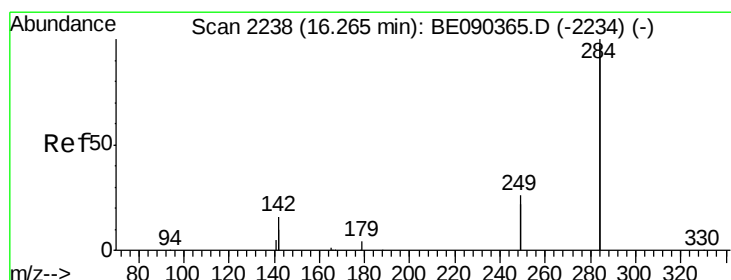
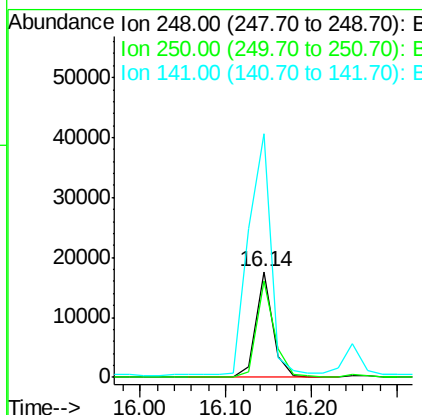
#19
4-Bromophenyl-phenylether
Concen: 4.38 ng
RT: 16.14 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.7	79.0	118.6
141	296.4	239.5	359.3

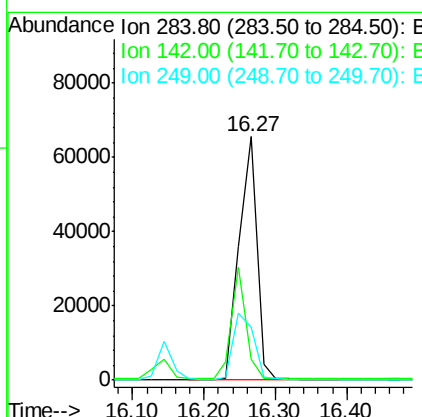
Manual Integrations
APPROVED

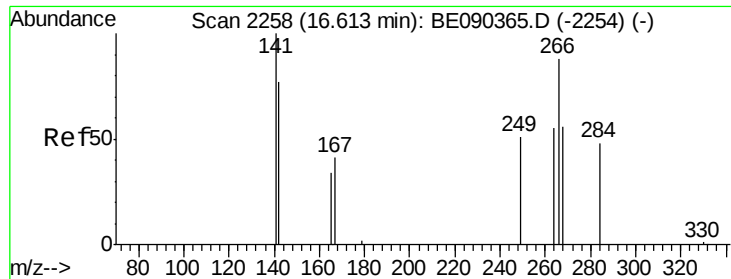
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#20
Hexachlorobenzene
Concen: 3.86 ng
RT: 16.27 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.1	45.1
249	31.1	25.7	38.5





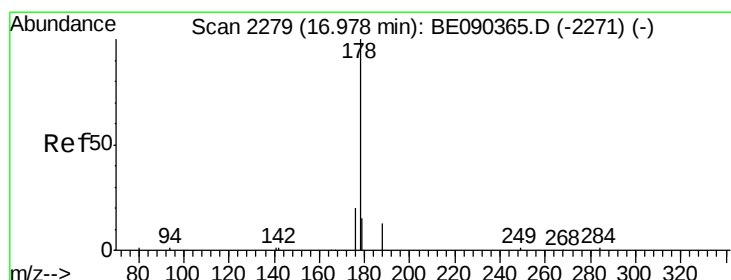
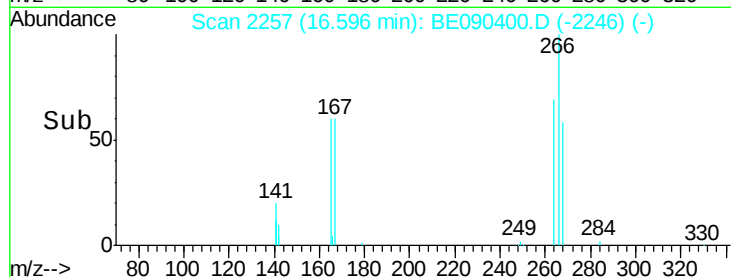
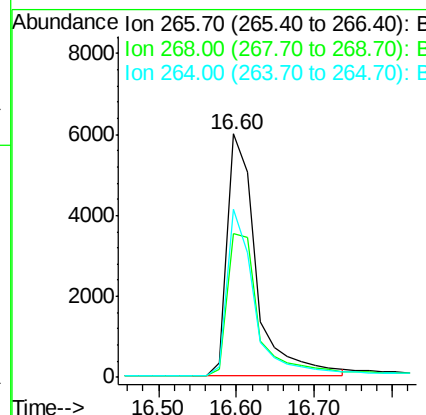
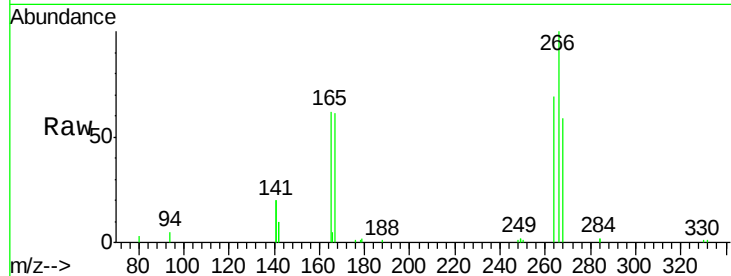
#21
 Pentachlorophenol
 Concen: 7.19 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	15364		
268	58.8	58.5	87.7	
264	69.2	56.0	84.0	

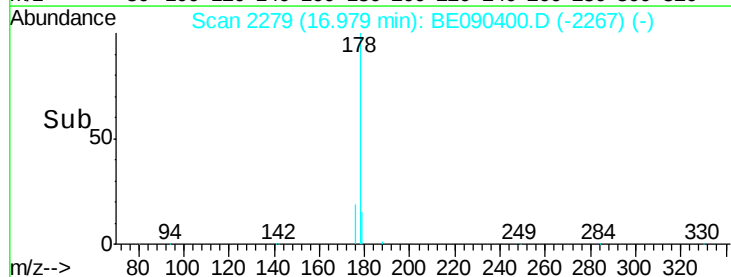
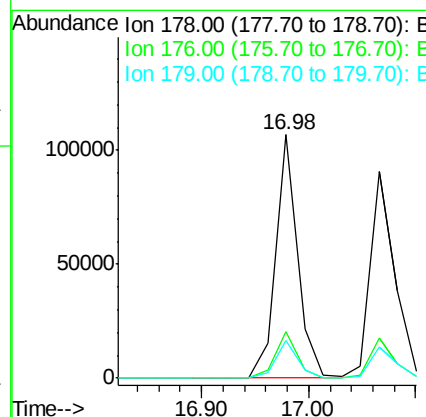
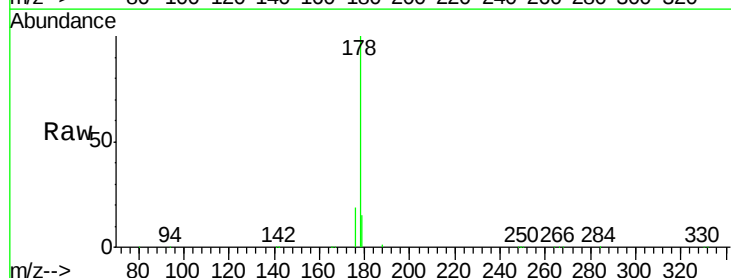
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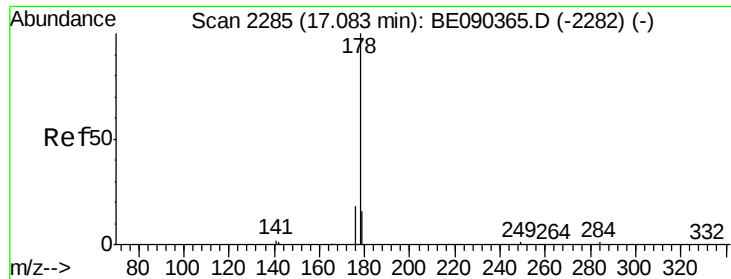
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#22
 Phenanthrene
 Concen: 4.24 ng
 RT: 16.98 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	152016		
176	19.0	15.4	23.2	
179	15.3	12.5	18.7	





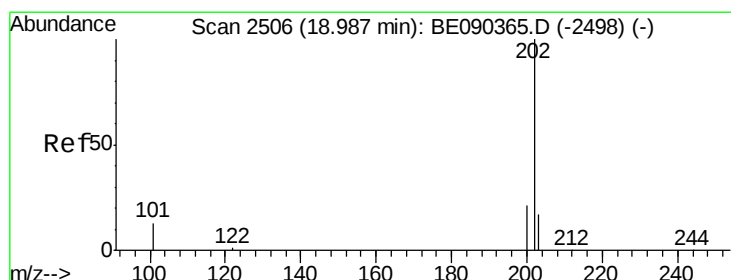
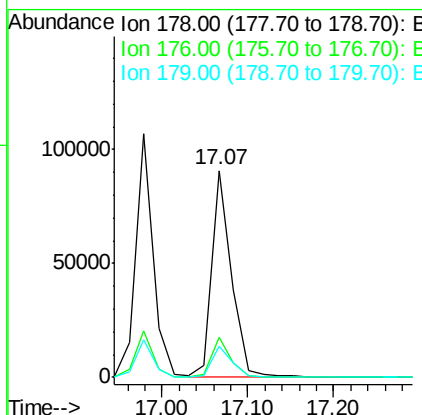
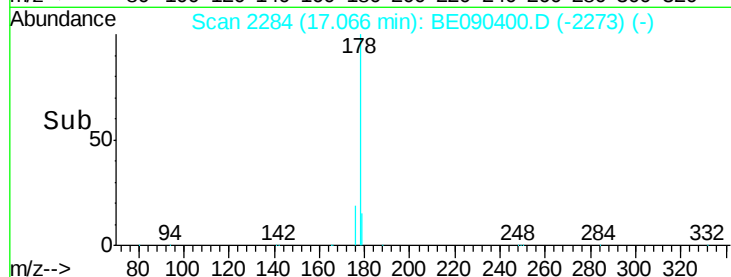
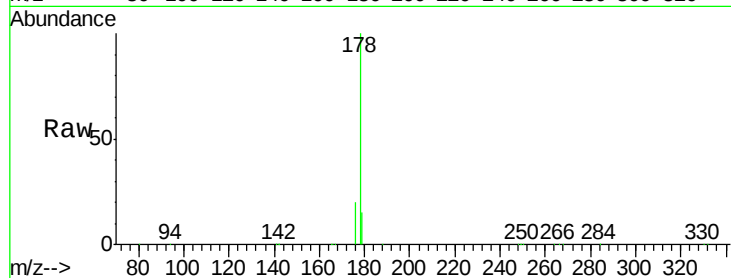
#23
 Anthracene
 Concen: 4.92 ng
 RT: 17.07 min Scan# 2284
 Delta R.T. -0.02 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BSD

Tot Ion:	178	Resp:	145077
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	15.5	12.2	18.4

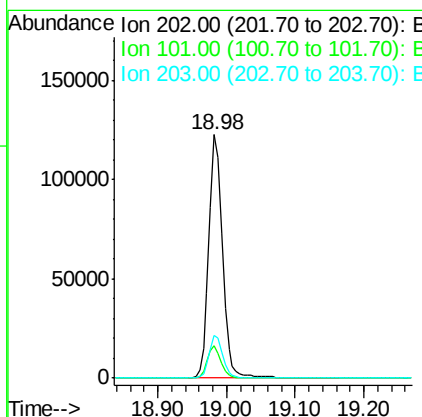
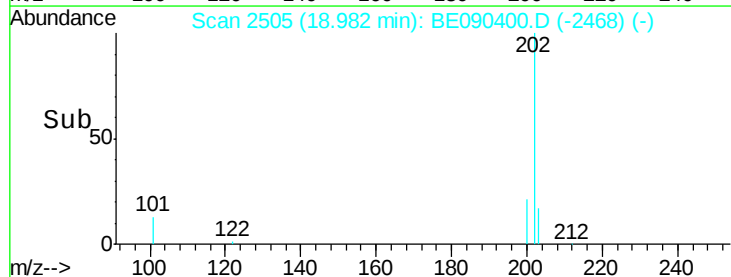
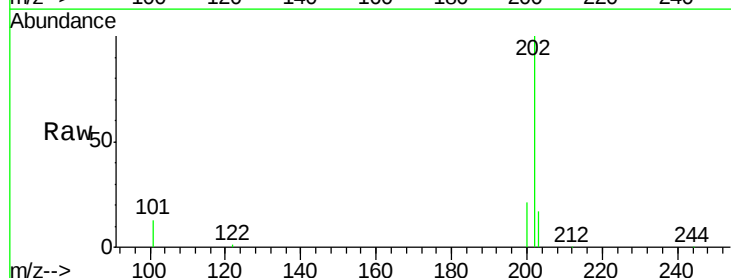
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#24
 Fluoranthene
 Concen: 4.74 ng
 RT: 18.98 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Tgt Ion:	202	Resp:	167434
Ion Ratio	Lower	Upper	
202	100		
101	13.0	10.3	15.5
203	17.3	13.7	20.5





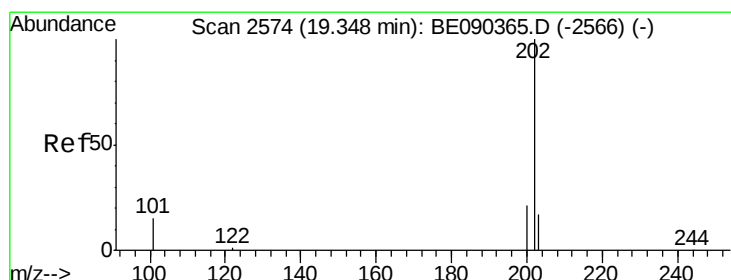
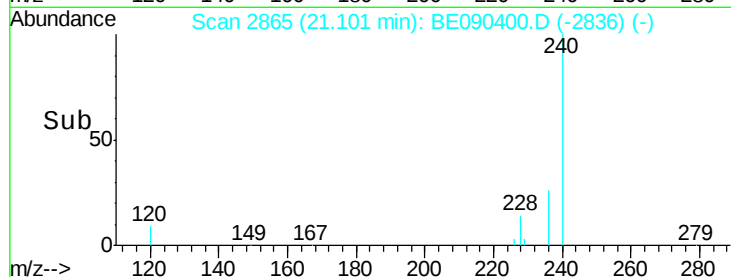
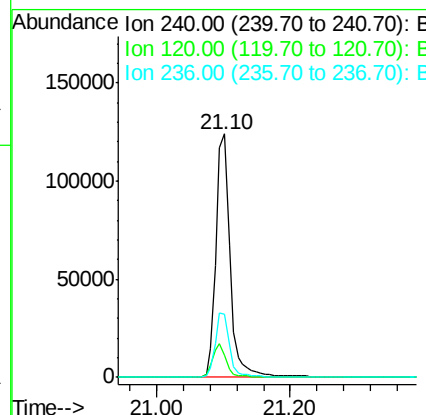
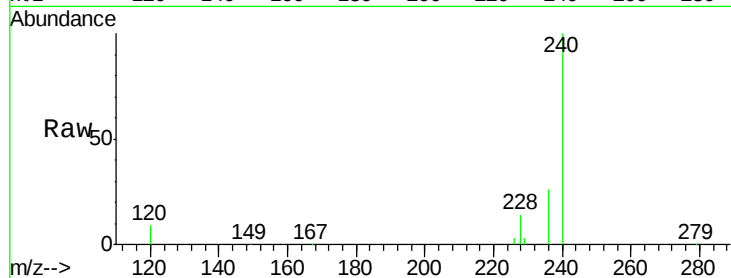
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.3	12.5
236	26.1	21.0	31.4

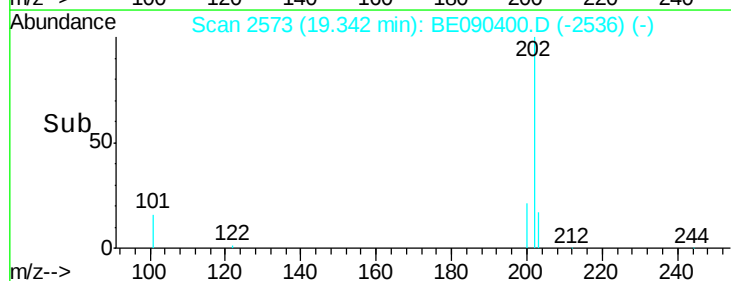
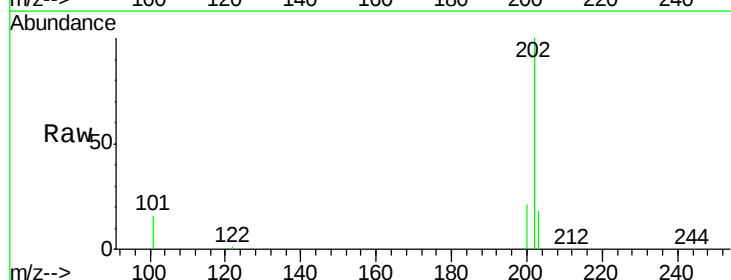
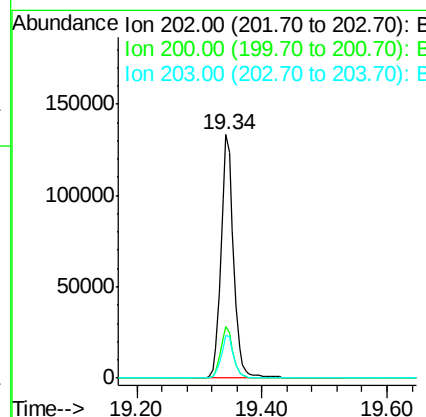
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#26
Pyrene
Concen: 4.71 ng
RT: 19.34 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	18.0	13.8	20.8





#27

Terphenyl-d14

Concen: 4.67 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Instrument :

BNA_E

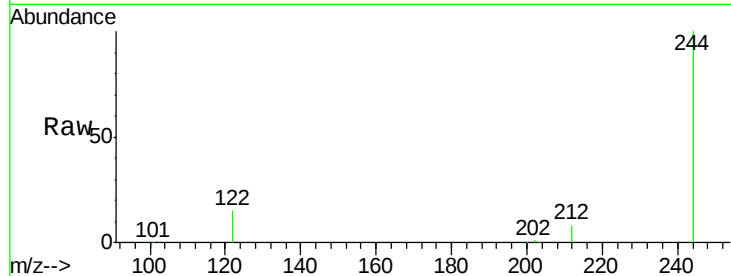
ClientSampleId :

PB84826BSD

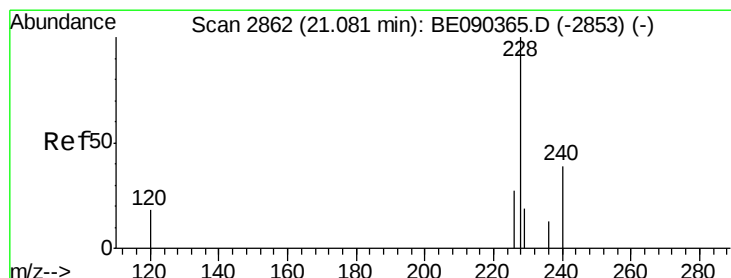
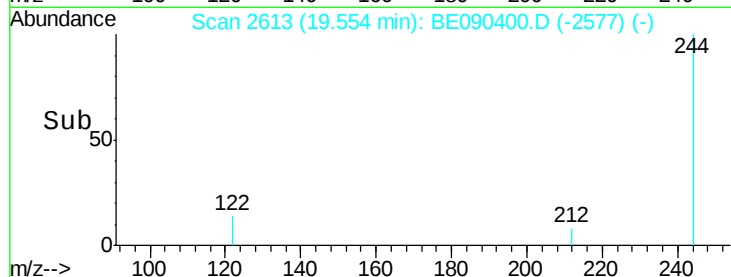
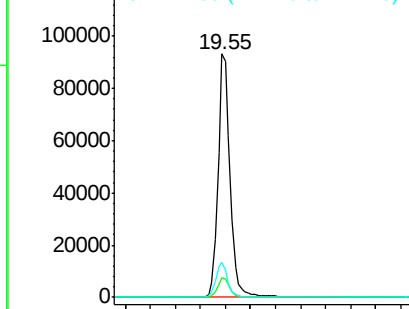
Tot Ion:	244	Resp:	124807
Ion Ratio	Lower	Upper	
244	100		
212	8.3	6.6	9.8
122	14.5	10.2	15.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 4.52 ng

RT: 21.08 min Scan# 2862

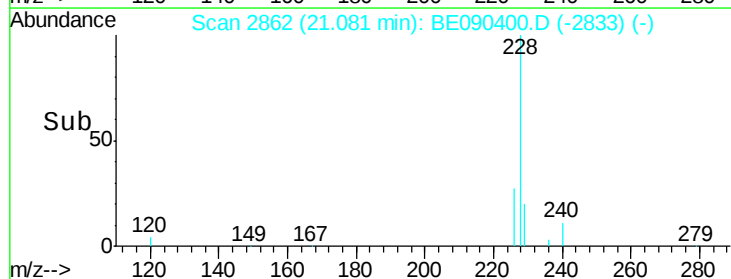
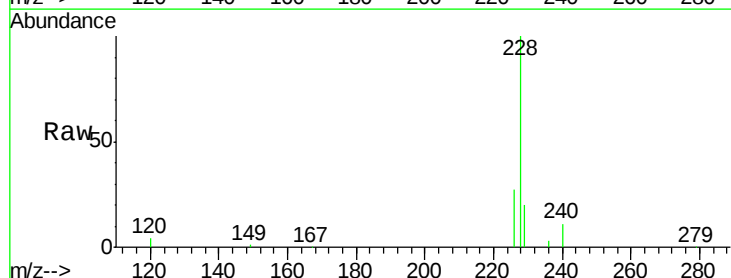
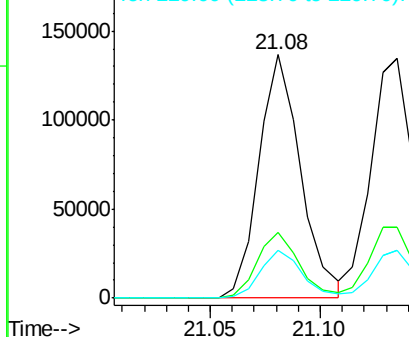
Delta R.T. 0.00 min

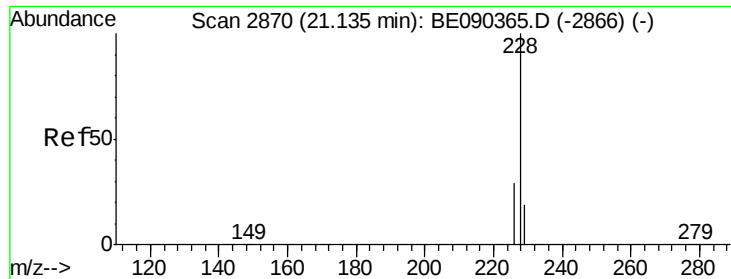
Lab File: BE090400.D

Acq: 7 Aug 2015 16:40

Tgt Ion:	228	Resp:	181737
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.9	32.9
229	19.6	15.4	23.0

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





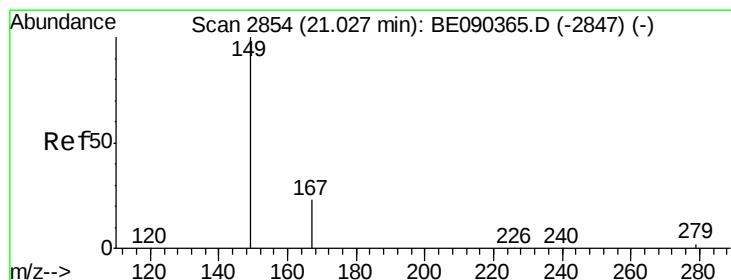
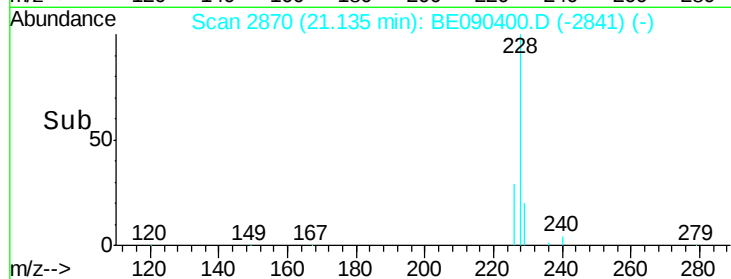
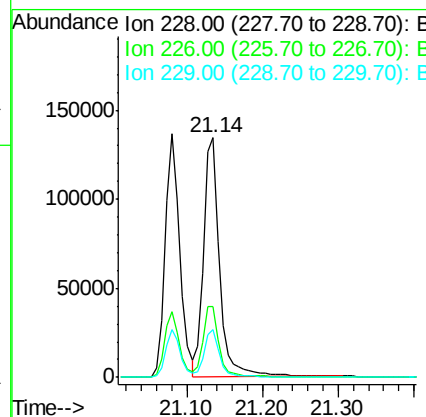
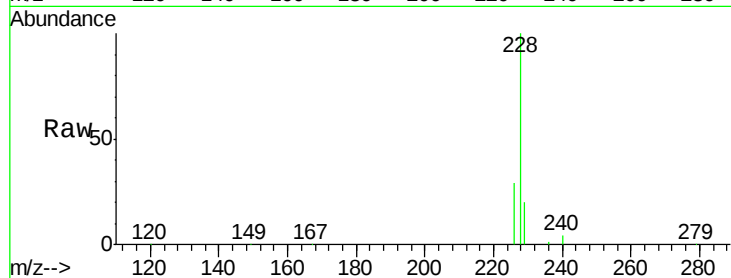
#29
Chrysene
Concen: 4.09 ng
RT: 21.14 min Scan# 2870
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.1	34.7
229	20.0	15.8	23.8

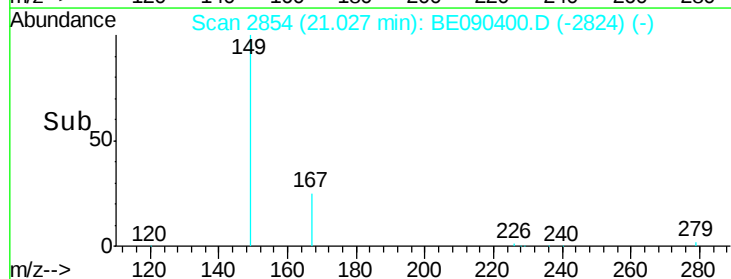
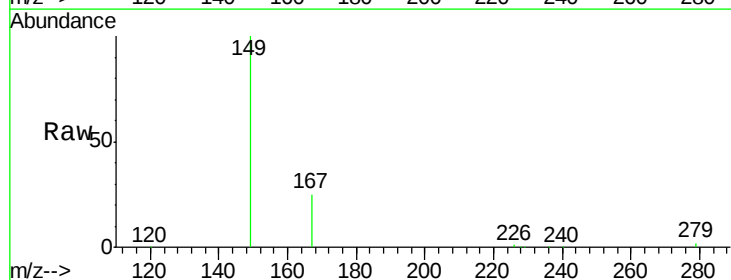
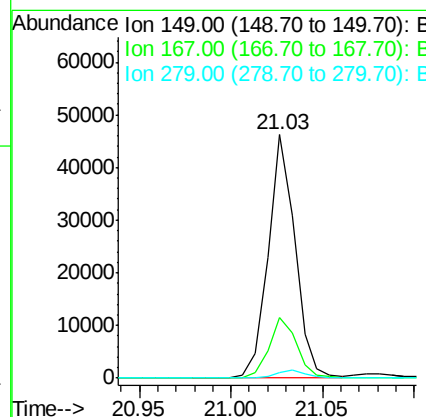
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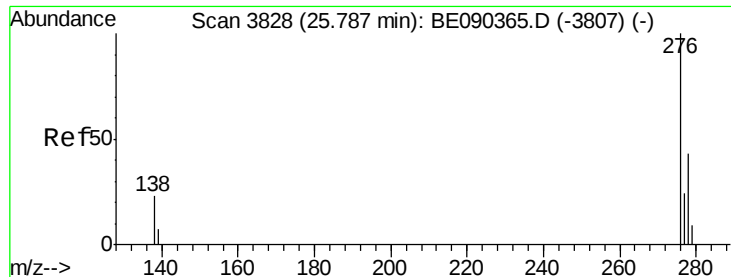
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#30
Bis(2-ethylhexyl)phthalate
Concen: 3.63 ng
RT: 21.03 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.5	19.8	29.8
279	3.0	2.4	3.6





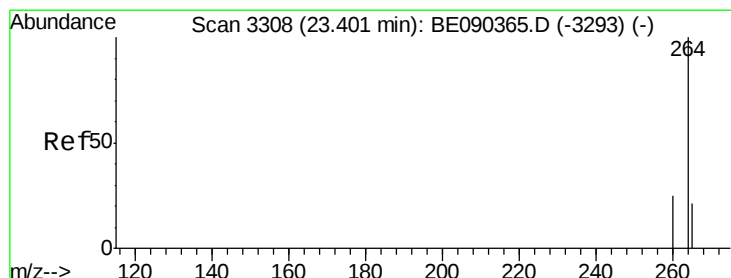
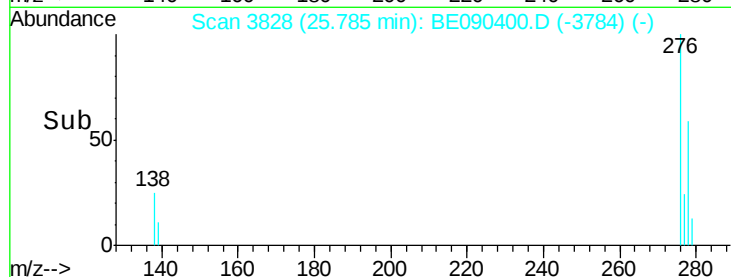
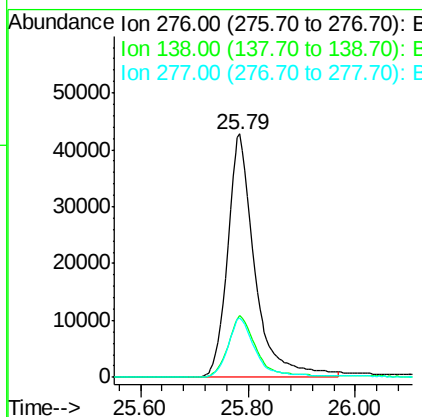
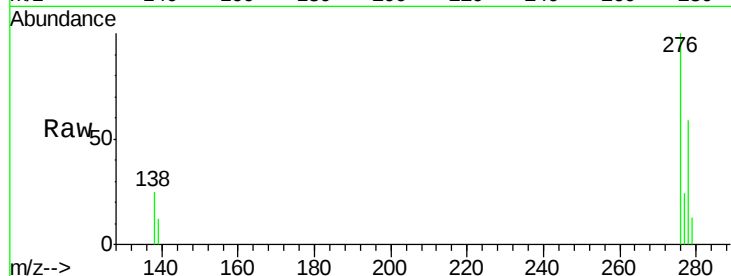
#31
Indeno(1,2,3-cd)pyrene
Concen: 3.51 ng
RT: 25.79 min Scan# 3828
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	18.8	28.2
277	24.8	18.2	27.4

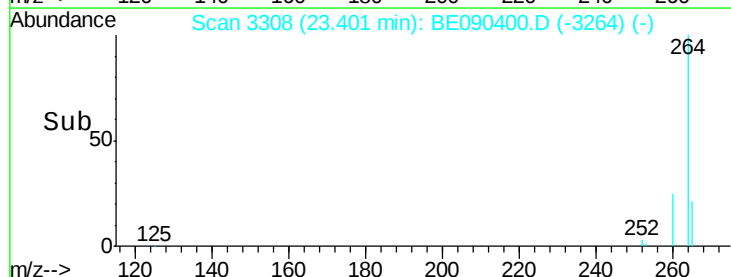
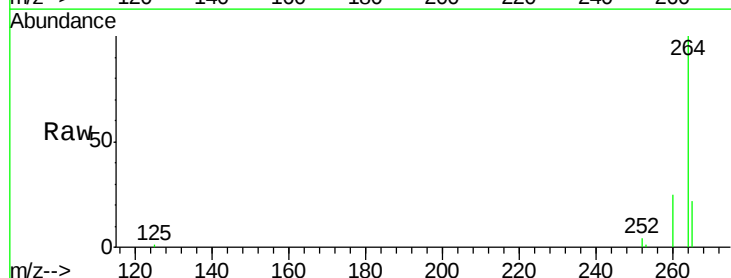
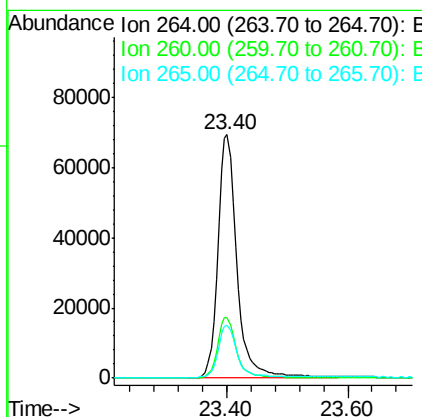
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#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	21.6	17.2	25.8





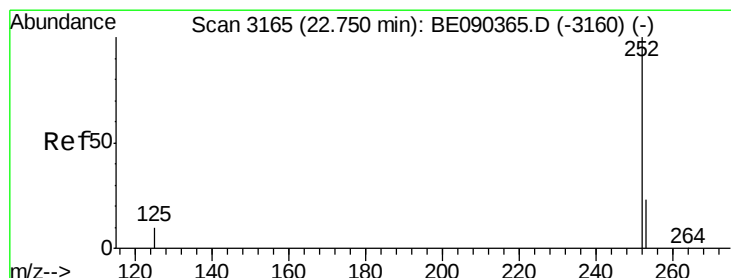
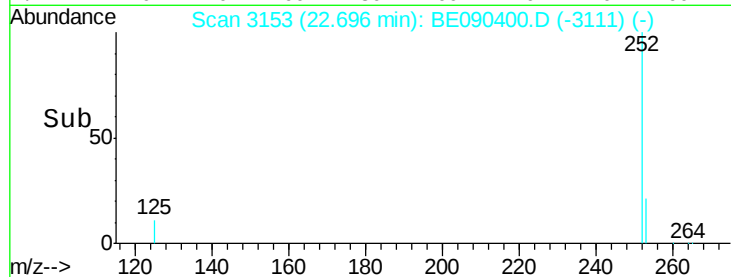
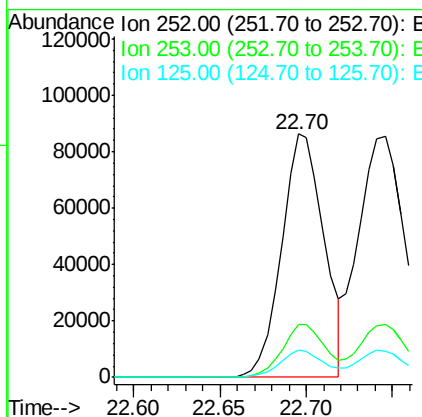
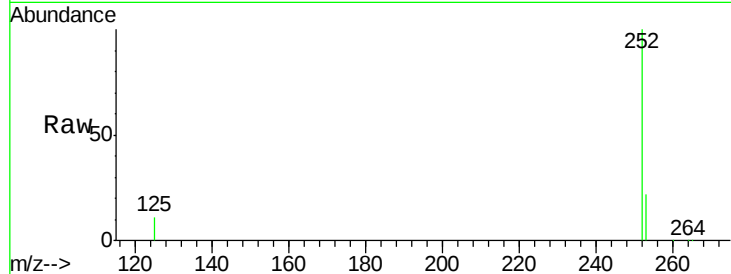
#33
Benzo(b)fluoranthene
Concen: 4.31 ng
RT: 22.70 min Scan# 3153
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	11.1	9.4	14.2

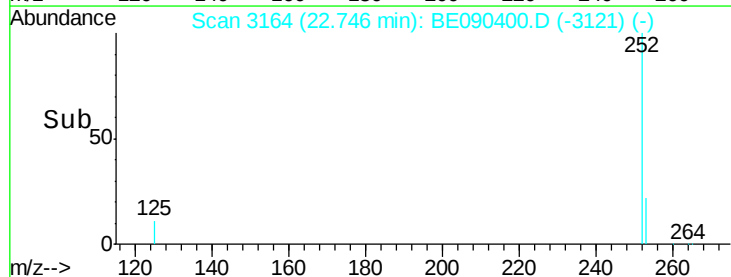
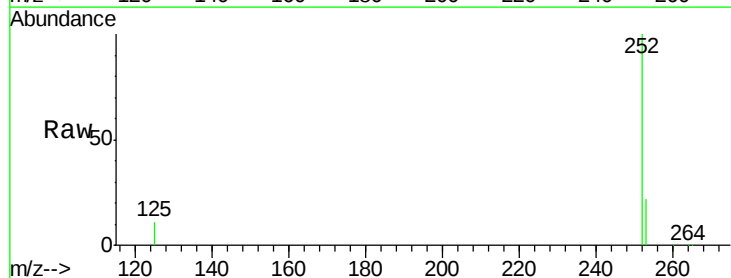
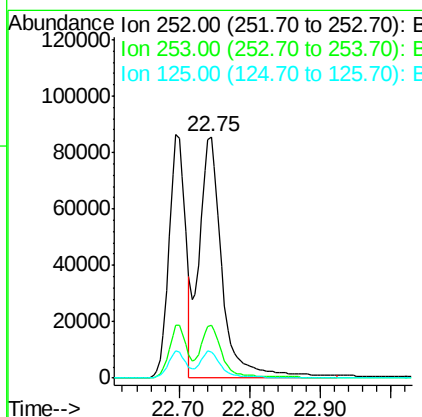
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#34
Benzo(k)fluoranthene
Concen: 4.58 ng m
RT: 22.75 min Scan# 3164
Delta R.T. -0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

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





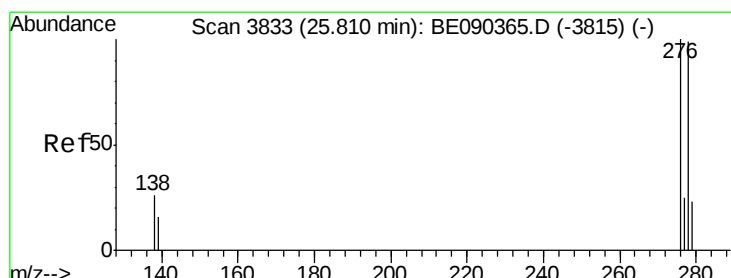
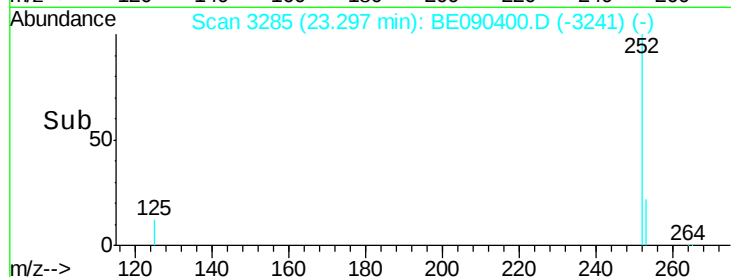
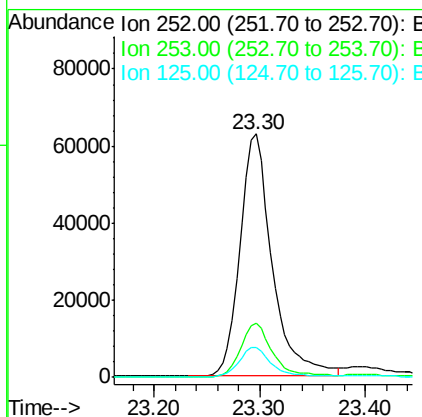
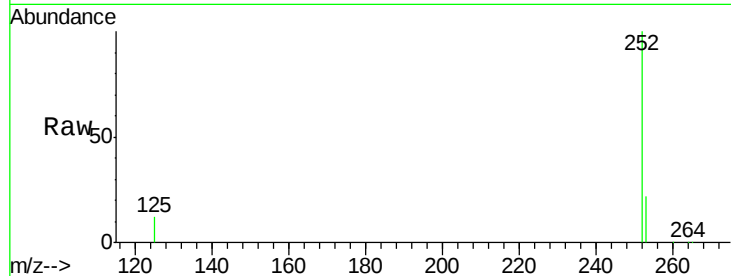
#35
Benzo(a)pyrene
Concen: 4.18 ng
RT: 23.30 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Instrument :
BNA_E
ClientSampleId :
PB84826BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	12.4	9.8	14.6

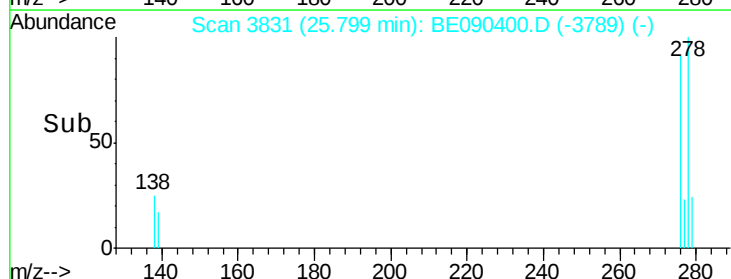
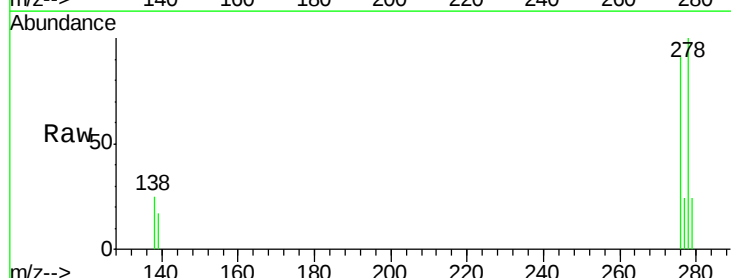
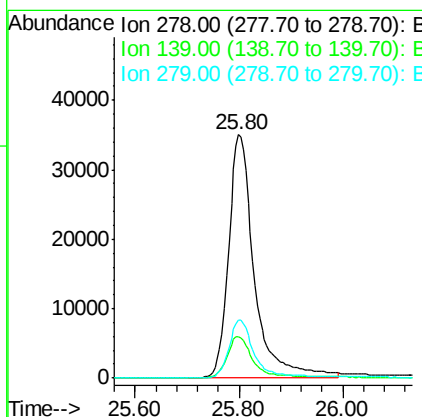
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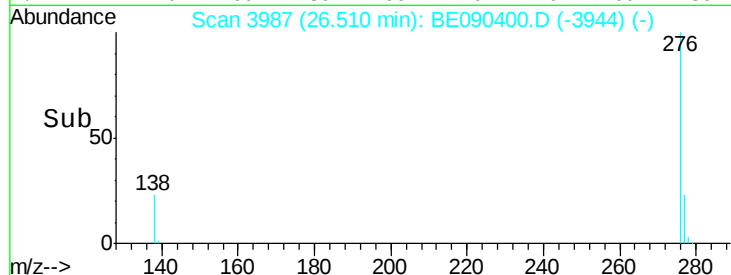
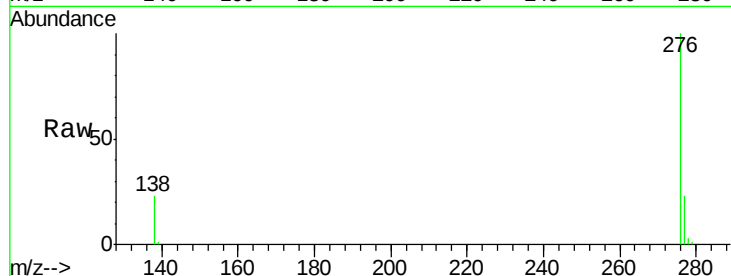
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#36
Dibenzo(a,h)anthracene
Concen: 3.86 ng
RT: 25.80 min Scan# 3831
Delta R.T. -0.01 min
Lab File: BE090400.D
Acq: 7 Aug 2015 16:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.2	21.4
279	23.8	20.1	30.1





#37
 Benzo(a,h,i)perylene
 Concen: 4.73 ng
 RT: 26.51 min Scan# 3987
 Delta R.T. -0.01 min
 Lab File: BE090400.D
 Acq: 7 Aug 2015 16:40

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BSD

Tot Ion:	276	Resp:	132090
Ion Ratio	Lower	Upper	
276	100		
277	23.2	20.1	30.1
138	22.9	18.1	27.1

Manual Integrations
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