

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080916\
 Data File : BE092236.D
 Acq On : 9 Aug 2016 20:02
 Operator : UM/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC0.4

Manual Integrations
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Quant Time: Aug 10 04:48:08 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 04:43:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	9273	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	44633	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	25958	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	63185	5.00	ng	0.00
24) Chrysene-d12	21.75	240	56475	5.00	ng	0.00
31) Perylene-d12	24.13	264	58733	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.71	112	738	0.36	ng	0.00
5) Phenol-d6	7.36	99	914	0.31	ng	0.00
8) Nitrobenzene-d5	9.36	82	1064	0.34	ng	0.00
13) 2,4,6-Tribromophenol	16.33	330	240	0.31	ng	0.00
14) 2-Fluorobiphenyl	13.47	172	3112	0.39	ng	0.00
26) Terphenyl-d14	20.19	244	3534	0.37	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	507	0.43	ng	100
3) n-Nitrosodimethylamine	3.81	42	513	0.36	ng	100
6) bis(2-Chloroethyl)ether	7.59	93	853	0.36	ng	100
9) Naphthalene	11.03	128	3987	0.40	ng	100
10) Hexachlorobutadiene	11.32	225	574	0.40	ng	100
11) 2-Methylnaphthalene	12.66	142	2451	0.39	ng	100
15) Acenaphthylene	14.54	152	17210	0.38	ng	100
16) Acenaphthene	14.90	154	2833	0.39	ng	100
17) Fluorene	15.88	166	3402	0.39	ng	100
19) Hexachlorobenzene	16.89	284	1002	0.40	ng	# 100
20) Pentachlorophenol	17.24	266	173	0.26	ng	100
21) Phenanthrene	17.60	178	6296	0.39	ng	100
22) Anthracene	17.70	178	5463	0.37	ng	100
23) Fluoranthene	19.63	202	24615	0.38	ng	100
25) Pyrene	19.99	202	25528	0.38	ng	100
27) Benzo(a)anthracene	21.73	228	25260	0.37	ng	100
28) Chrysene	21.77	228	25466m	0.41	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	2838	0.33	ng	# 100
30) Indeno(1,2,3-cd)pyrene	26.65	276	24484	0.36	ng	100
32) Benzo(b)fluoranthene	23.39	252	5682	0.37	ng	100
33) Benzo(k)fluoranthene	23.44	252	6256	0.39	ng	100
34) Benzo(a)pyrene	24.02	252	5324	0.37	ng	100
35) Dibenzo(a,h)anthracene	26.67	278	4846	0.36	ng	100
36) Benzo(g,h,i)perylene	27.42	276	22118	0.38	ng	100

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

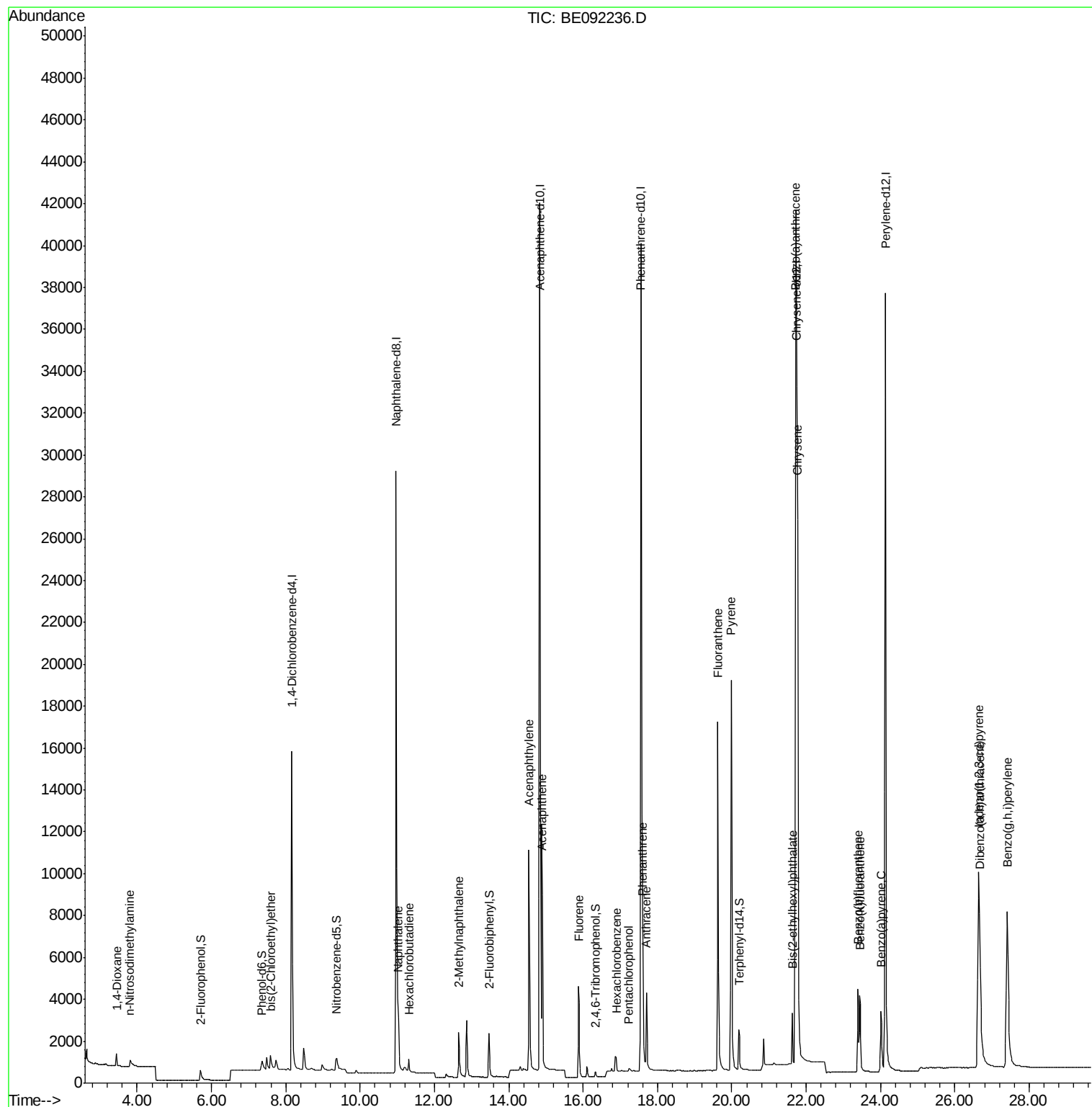
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080916\
Data File : BE092236.D
Acq On : 9 Aug 2016 20:02
Operator : UM/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

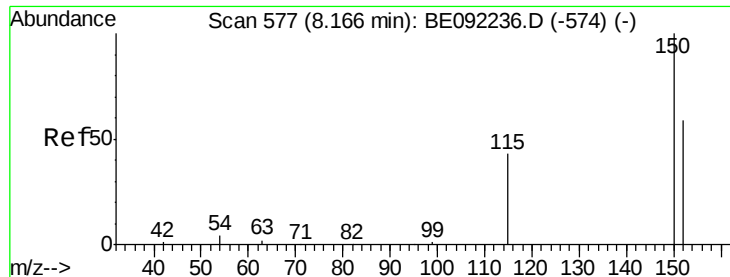
Instrument :
BNA_E
ClientSampled :
SSTDICCC0.4

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Quant Time: Aug 10 04:48:08 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 10 04:43:27 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Instrument :

BNA_E

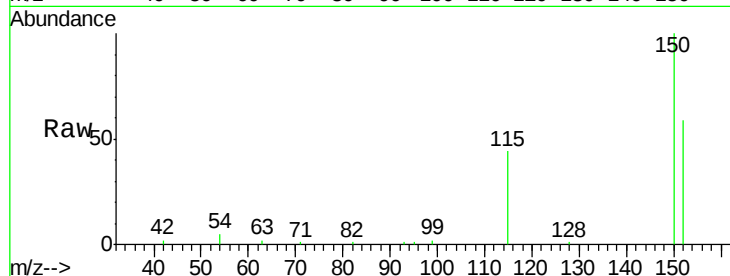
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SSTDICCC0.4

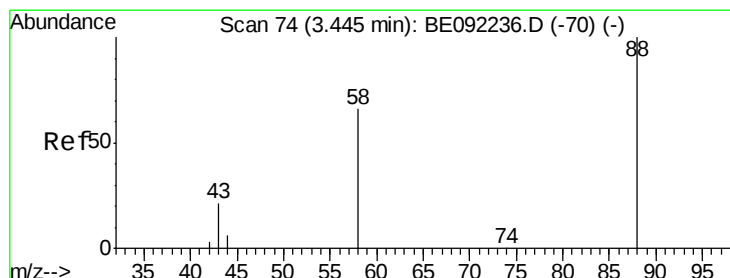
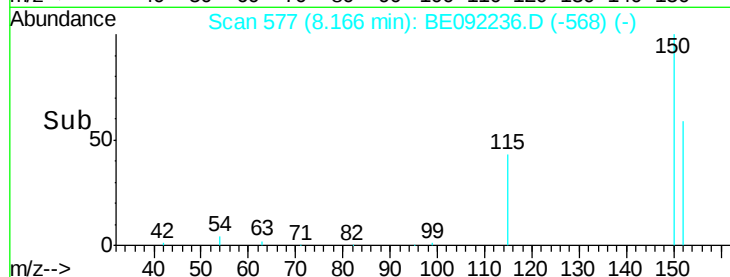
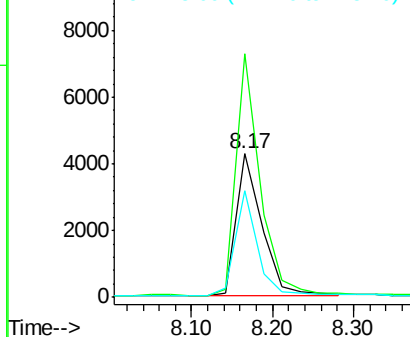
Tgt Ion:	152	Resp:	9273
Ion Ratio	Lower	Upper	
152	100		
150	169.5	135.6	203.4
115	74.2	59.4	89.0

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.43 ng

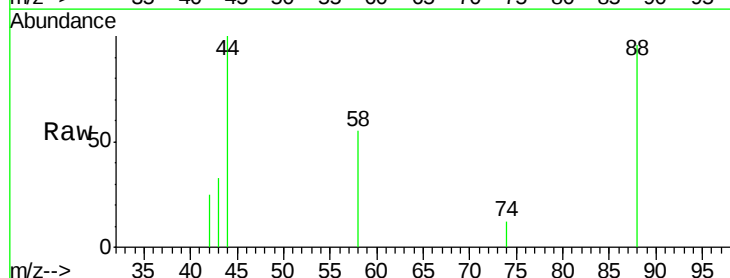
RT: 3.44 min Scan# 74

Delta R.T. 0.00 min

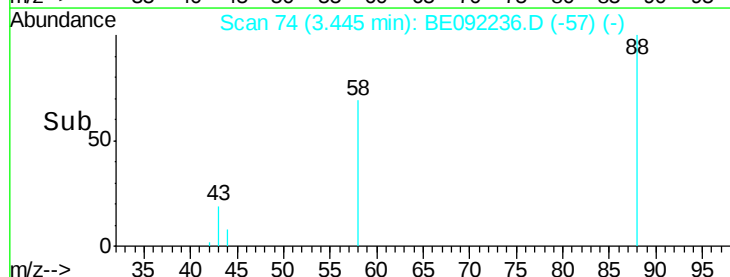
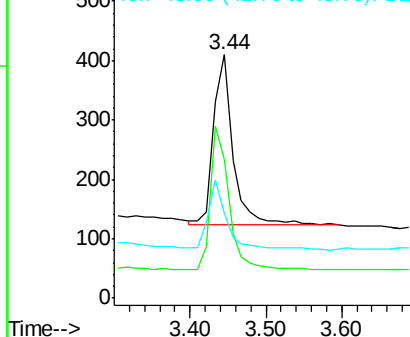
Lab File: BE092236.D

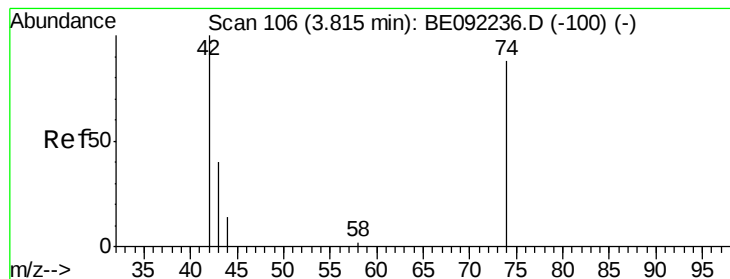
Acq: 9 Aug 2016 20:02

Tgt Ion:	88	Resp:	507
Ion Ratio	Lower	Upper	
88	100		
58	80.5	64.4	96.6
43	41.8	33.4	50.2



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





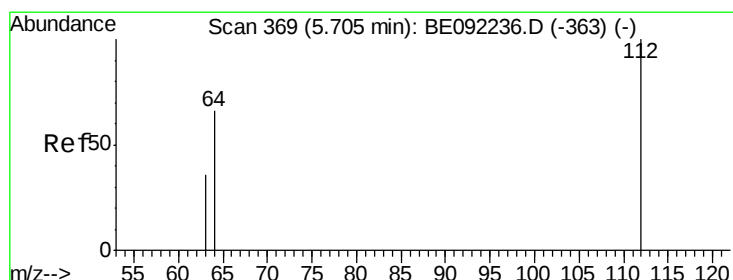
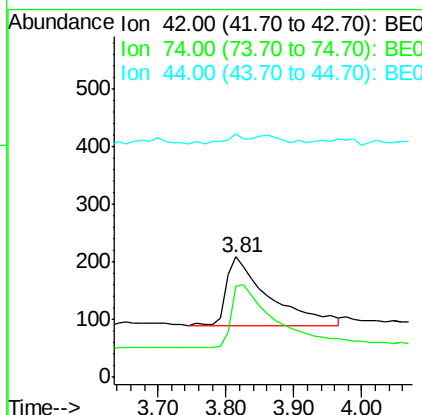
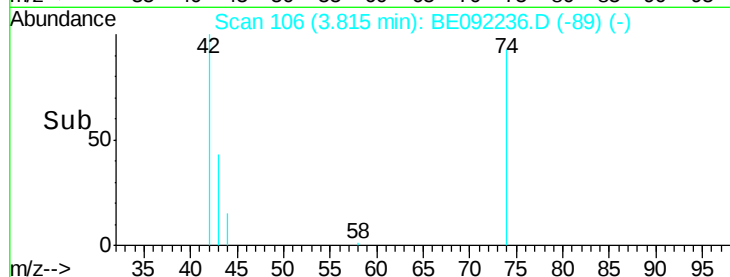
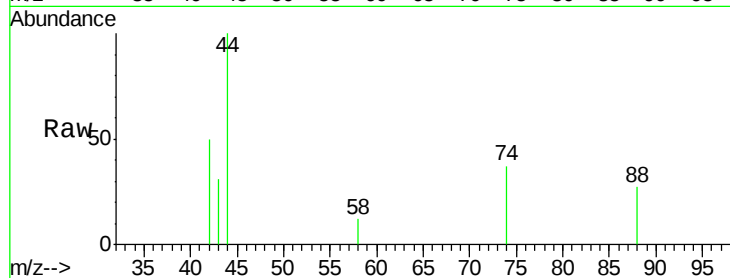
#3
n-Nitrosodimethylamine
Concen: 0.36 ng
RT: 3.81 min Scan# 106
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
42	100		
74	96.5	77.2	115.8
44	6.2	5.0	7.4

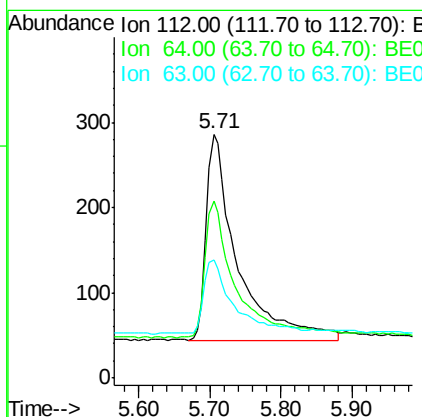
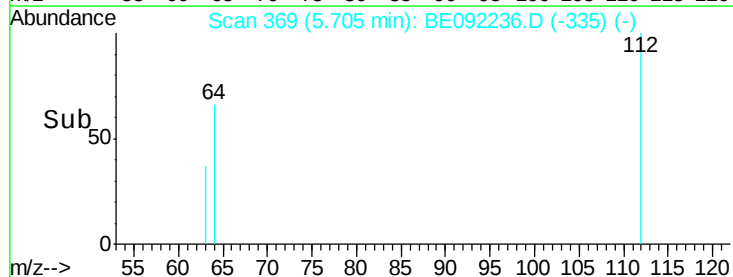
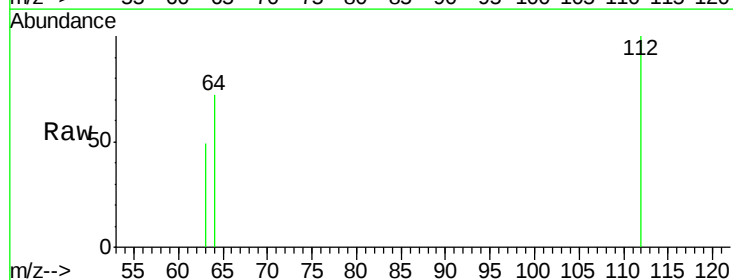
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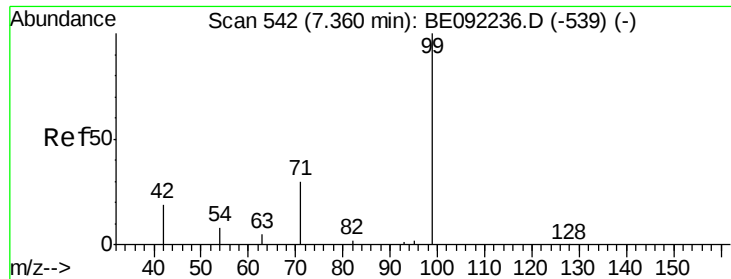
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#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.71 min Scan# 369
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.2	79.8
63	34.3	27.4	41.2





#5

Phenol-d6

Concen: 0.31 ng

RT: 7.36 min Scan# 542

Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Instrument :

BNA_E

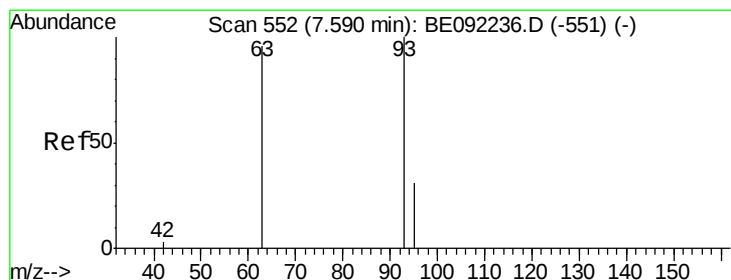
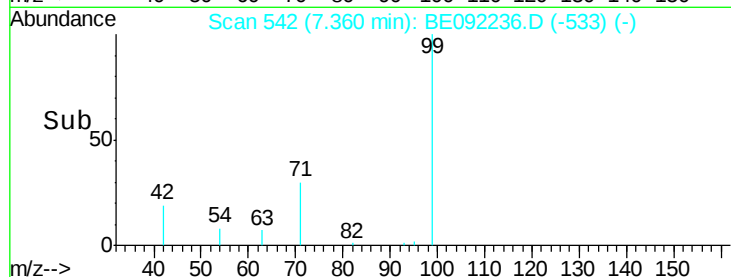
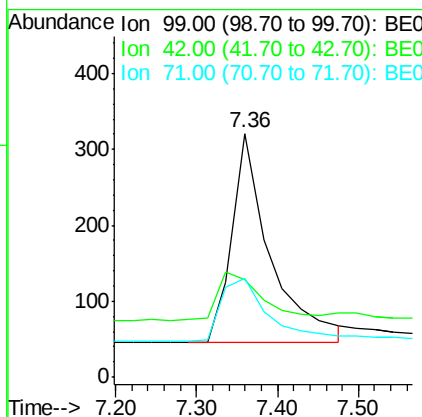
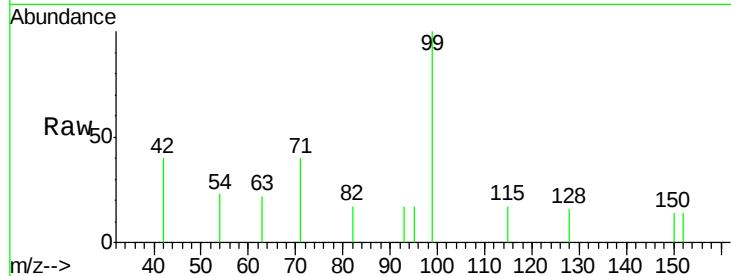
ClientSampleId :

SSTDICCC0.4

Tgt Ion:	99	Resp:	914
Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	37.3	29.8	44.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.36 ng

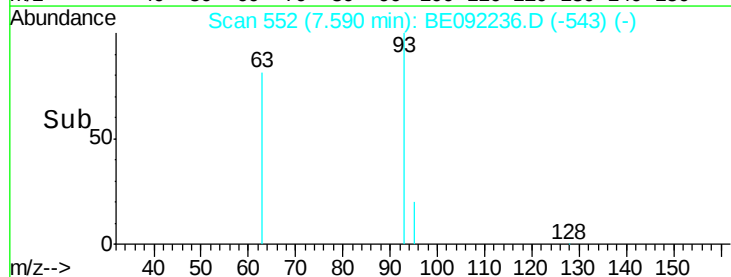
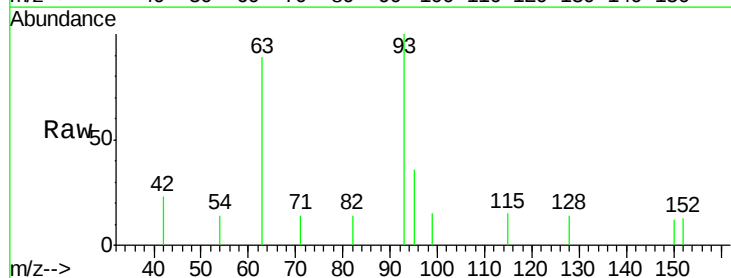
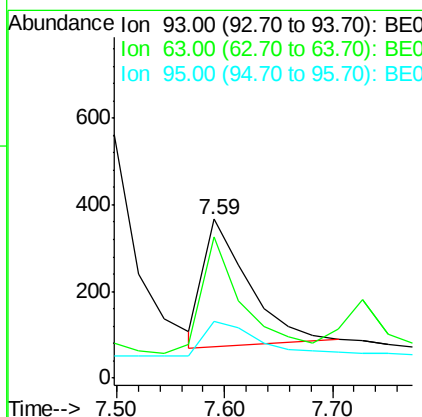
RT: 7.59 min Scan# 552

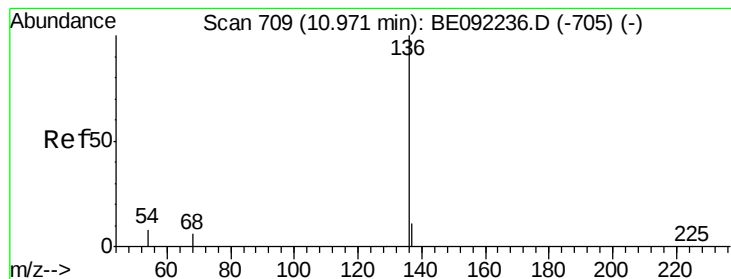
Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Tgt Ion:	93	Resp:	853
Ion	Ratio	Lower	Upper
93	100		
63	85.6	68.5	102.7
95	34.0	27.2	40.8





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Instrument :

BNA_E

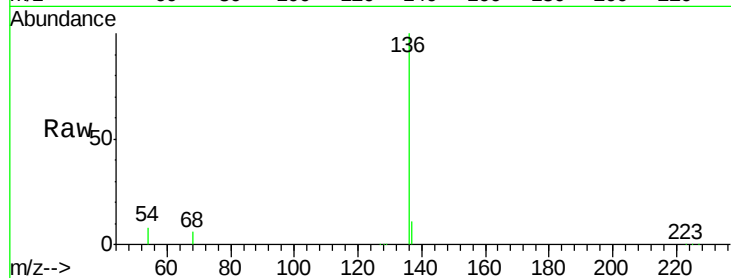
ClientSampleId :

SSTDICCC0.4

Tgt Ion:	136	Resp:	44633
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.8	6.2	9.4
68	5.7	4.6	6.8

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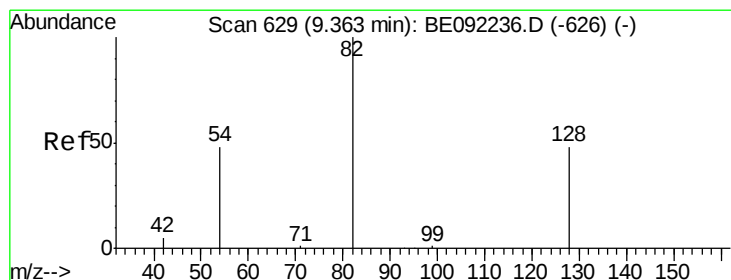
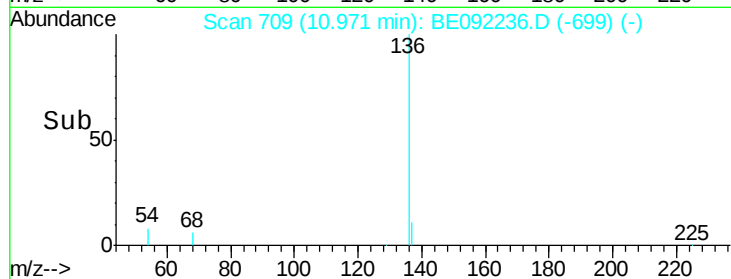
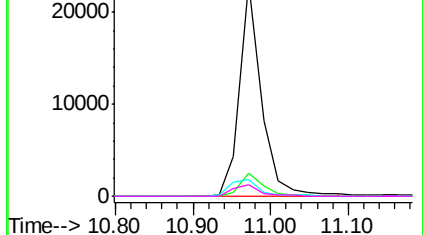


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.34 ng

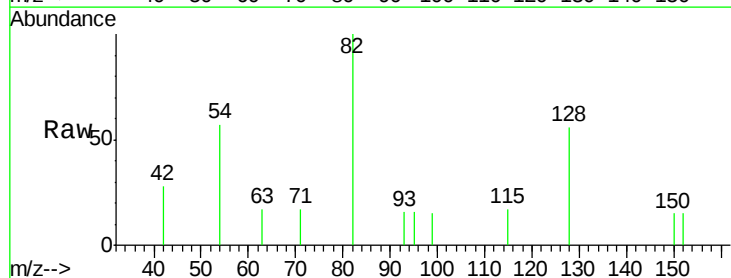
RT: 9.36 min Scan# 629

Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

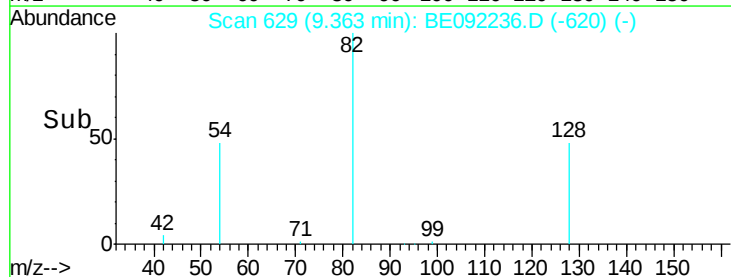
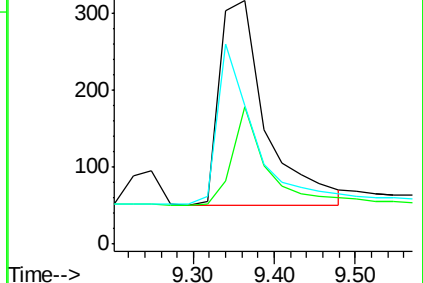
Tgt Ion:	82	Resp:	1064
Ion Ratio	Lower	Upper	
82	100		
128	56.2	45.0	67.4
54	56.8	45.4	68.2

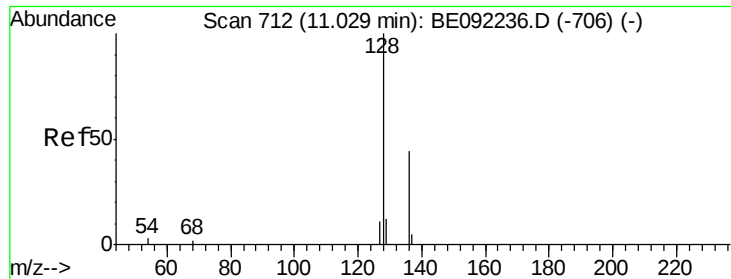


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.40 ng

RT: 11.03 min Scan# 712

Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Instrument :

BNA_E

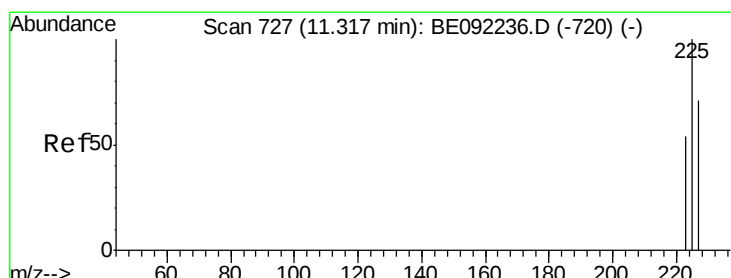
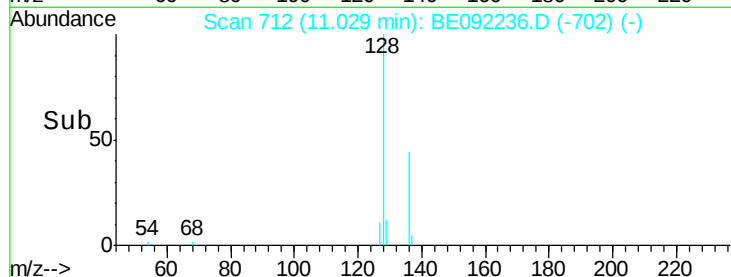
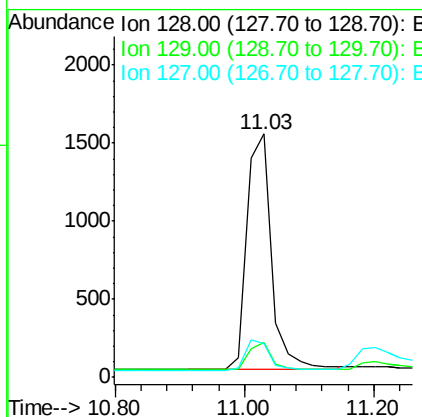
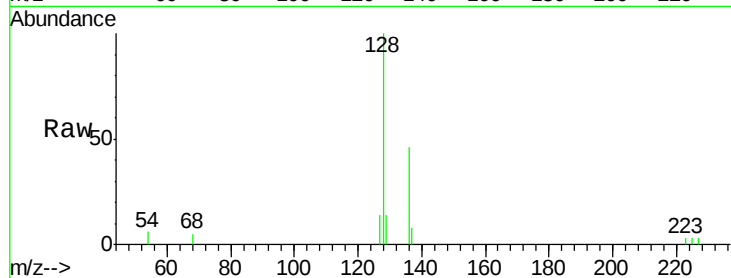
ClientSampleId :

SSTDICCC0.4

Tgt Ion:	128	Resp:	3987
Ion Ratio	Lower	Upper	
128	100		
129	14.4	11.5	17.3
127	13.8	11.0	16.6

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#10

Hexachlorobutadiene

Concen: 0.40 ng

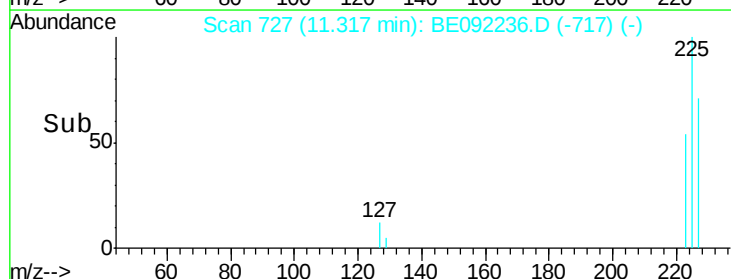
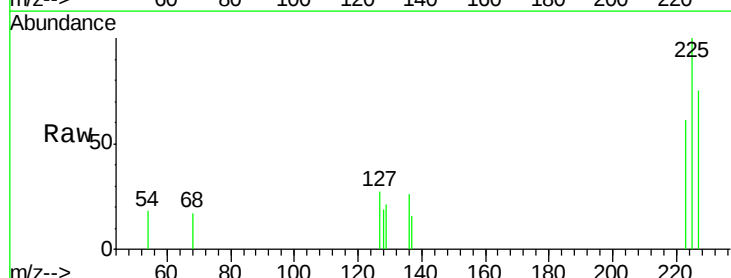
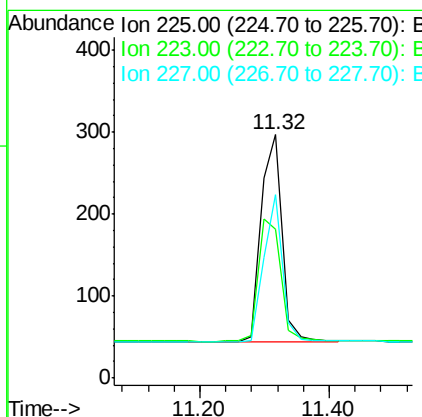
RT: 11.32 min Scan# 727

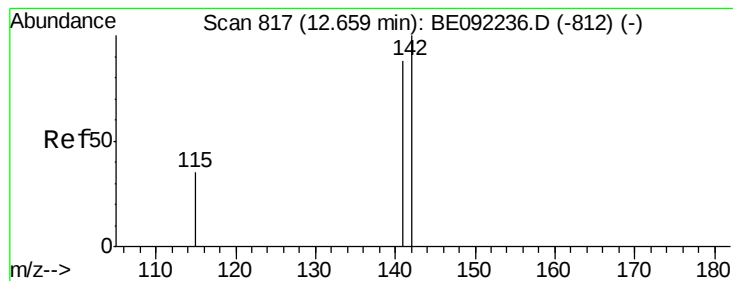
Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Tgt Ion:	225	Resp:	574
Ion Ratio	Lower	Upper	
225	100		
223	65.3	52.2	78.4
227	63.8	51.0	76.6





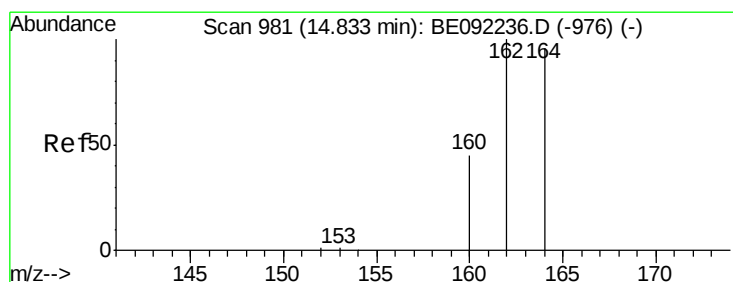
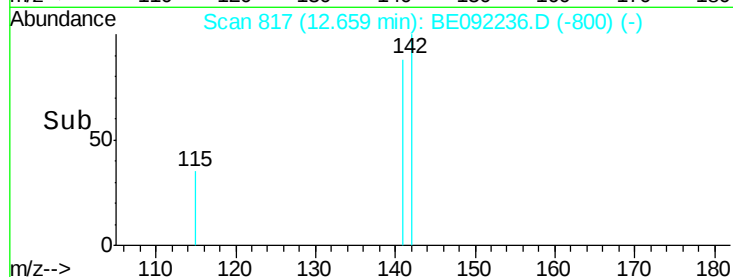
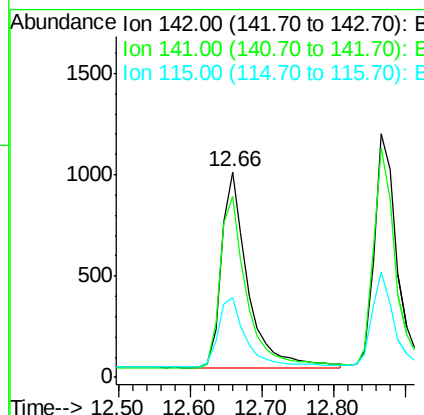
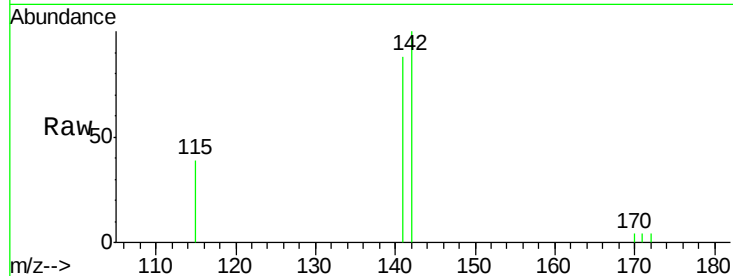
#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.66 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:142 Resp: 2451
Ion Ratio Lower Upper
142 100
141 88.2 70.6 105.8
115 38.7 31.0 46.4

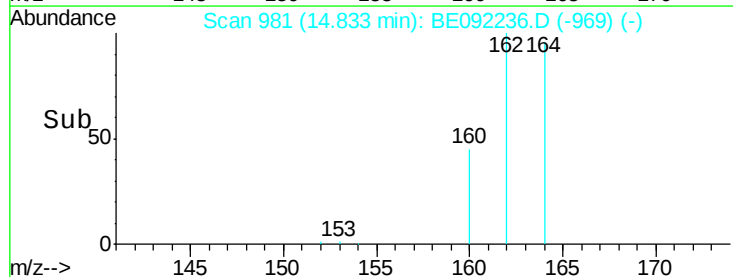
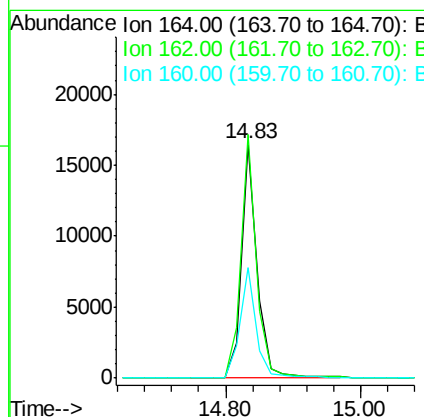
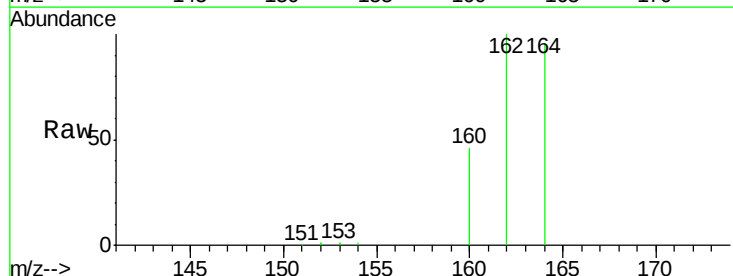
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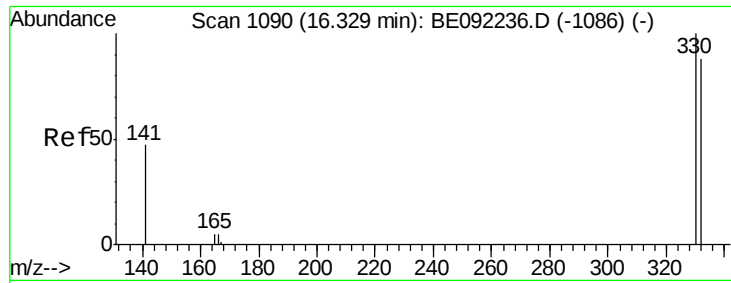
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 981
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Tgt Ion:164 Resp: 25958
Ion Ratio Lower Upper
164 100
162 104.1 83.3 124.9
160 47.5 38.0 57.0





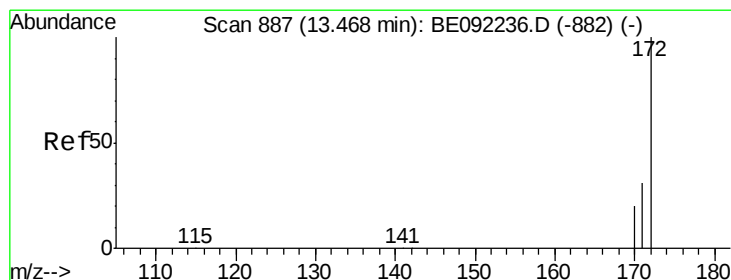
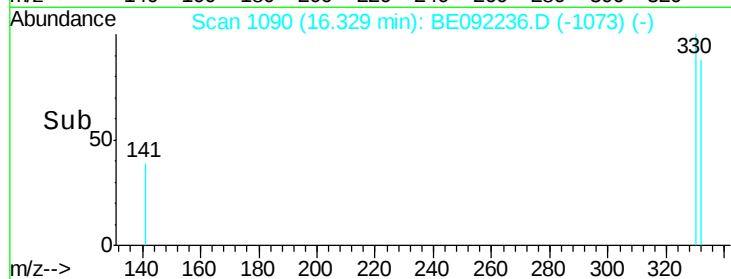
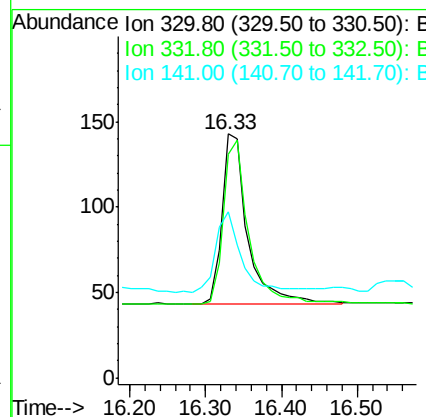
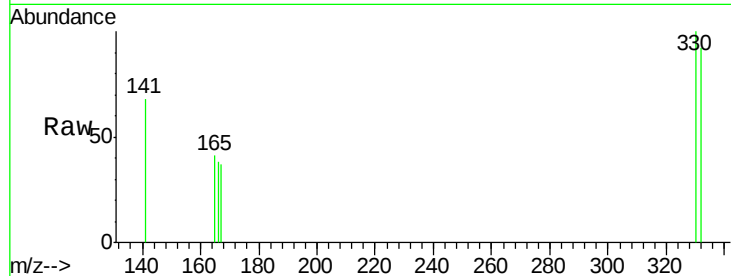
#13
 2,4,6-Tribromophenol
 Concen: 0.31 ng
 RT: 16.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion: 330 Resp: 240
 Ion Ratio Lower Upper
 330 100
 332 94.2 75.4 113.0
 141 47.1 37.7 56.5

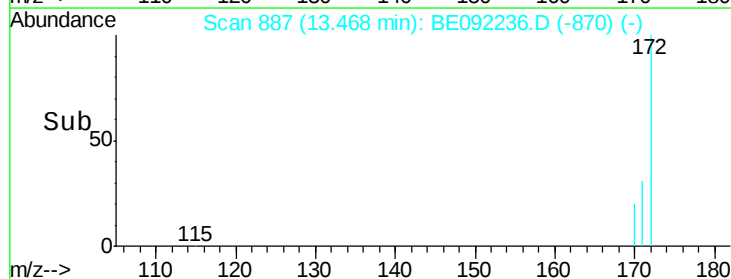
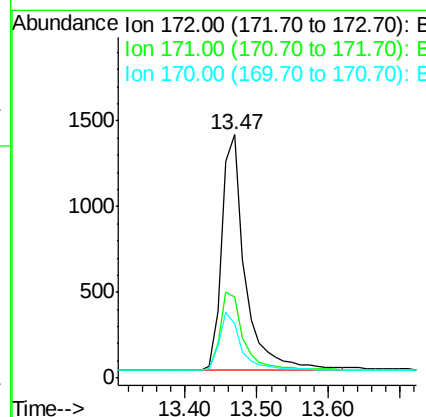
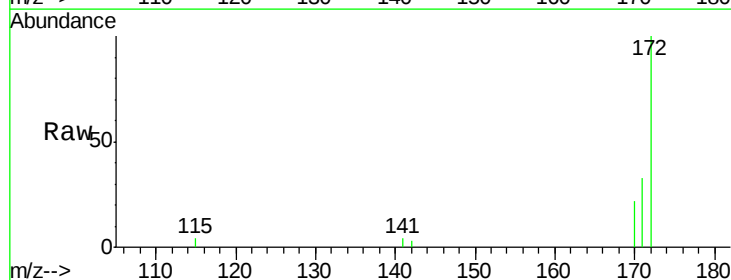
Manual Integrations
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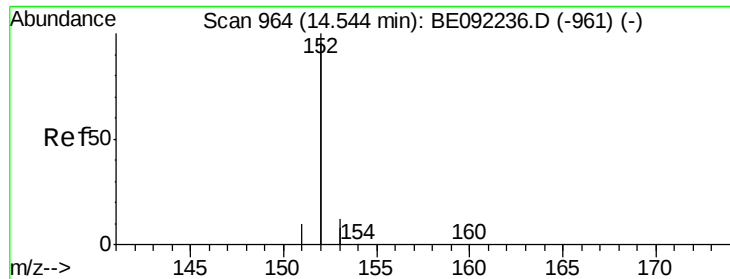
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#14
 2-Fluorobiphenyl
 Concen: 0.39 ng
 RT: 13.47 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Tgt Ion: 172 Resp: 3112
 Ion Ratio Lower Upper
 172 100
 171 33.5 26.8 40.2
 170 22.2 17.8 26.6





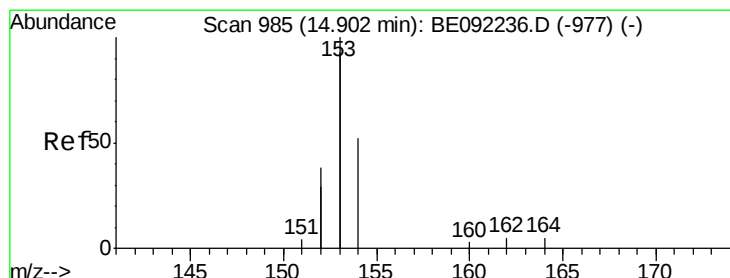
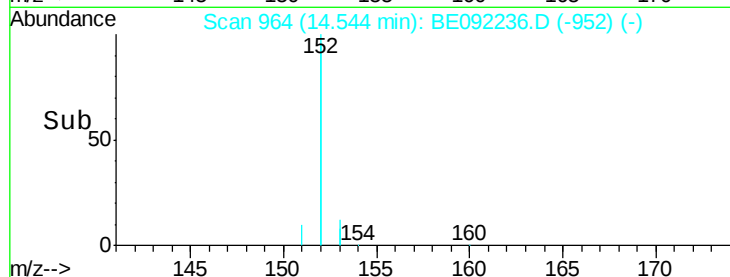
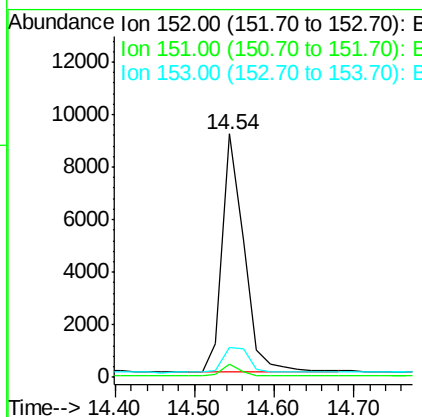
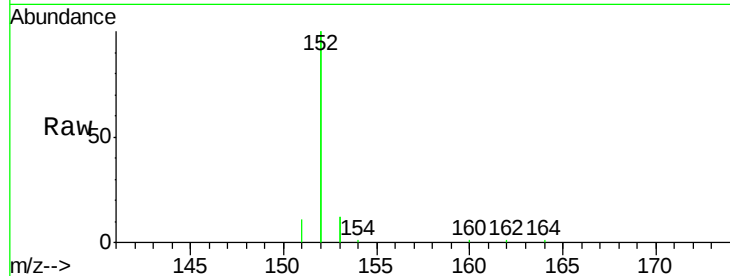
#15
Acenaphthylene
Concen: 0.38 ng
RT: 14.54 min Scan# 964
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.8	5.8
153	12.7	10.2	15.2

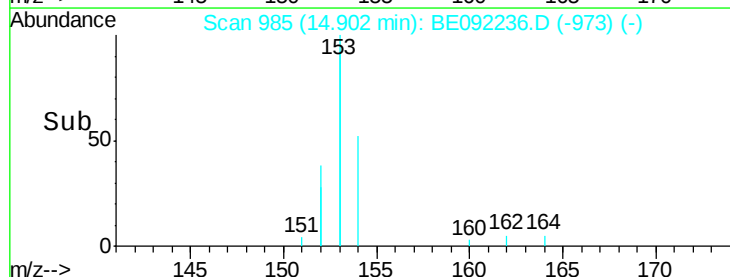
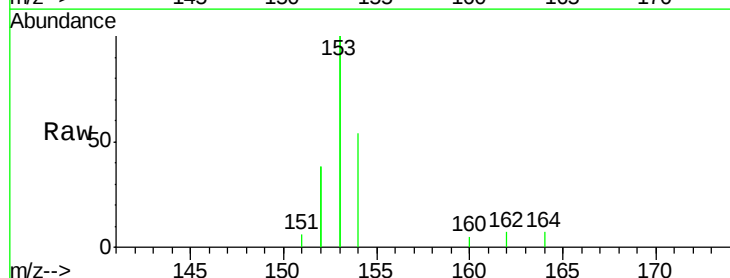
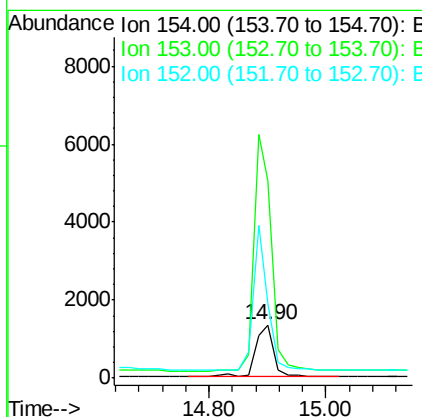
Manual Integrations
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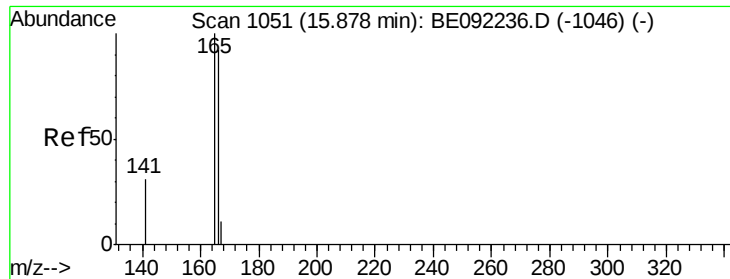
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#16
Acenaphthene
Concen: 0.39 ng
RT: 14.90 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	443.7	355.0	532.4
152	224.6	179.7	269.5





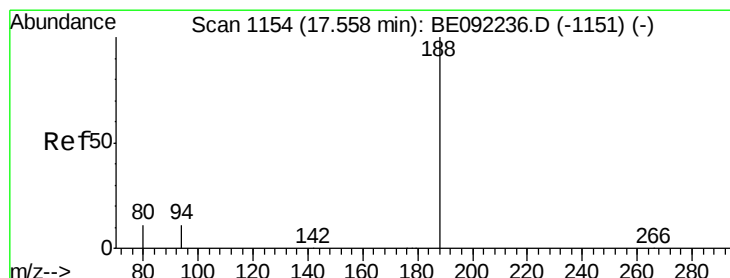
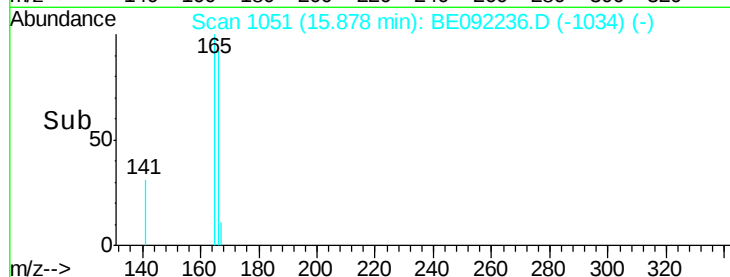
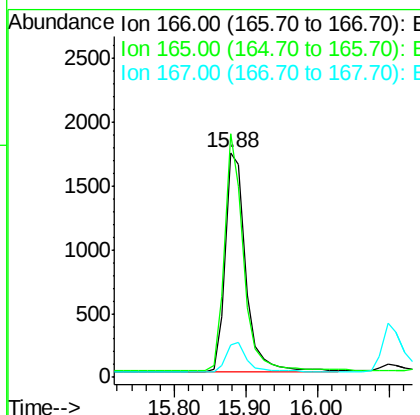
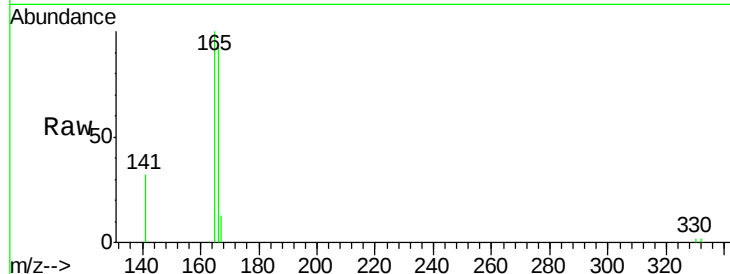
#17
Fluorene
 Concen: 0.39 ng
 RT: 15.88 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	80.1	120.1
167	13.3	10.6	16.0

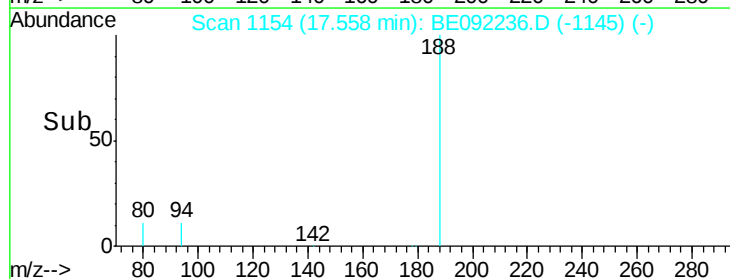
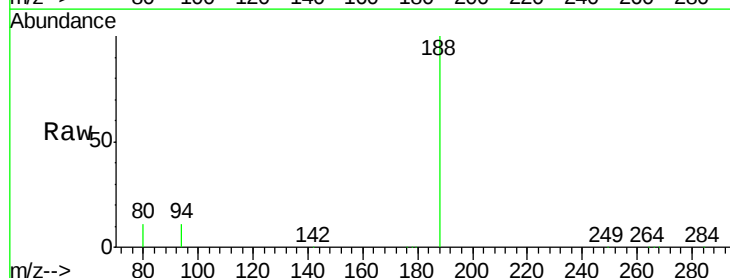
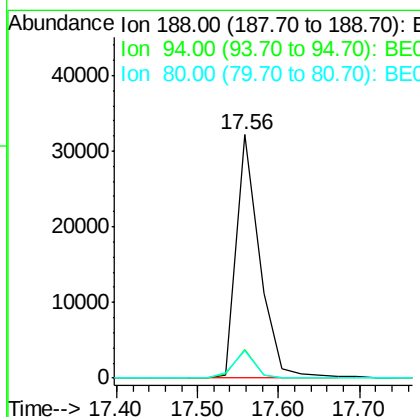
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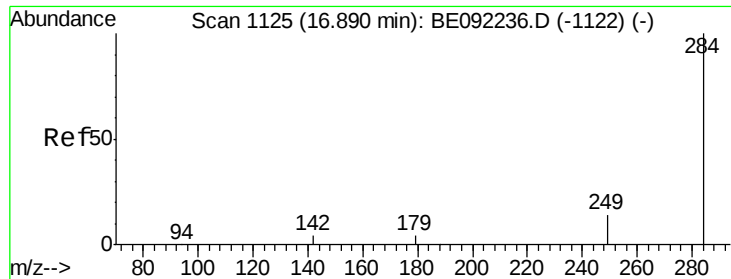
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.56 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.2	13.8
80	11.4	9.1	13.7





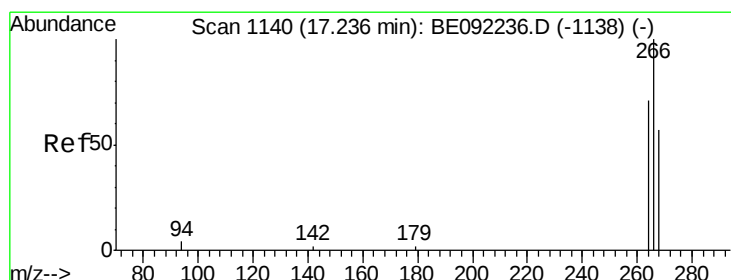
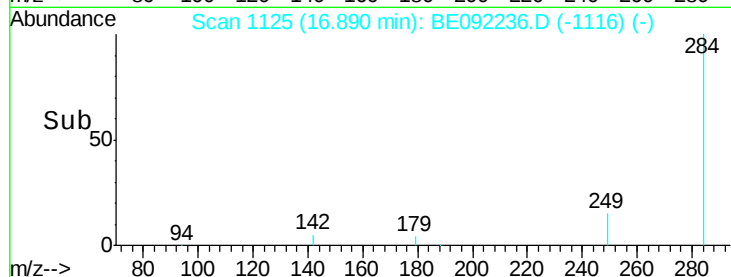
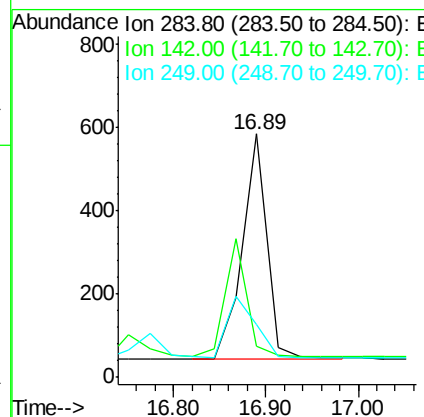
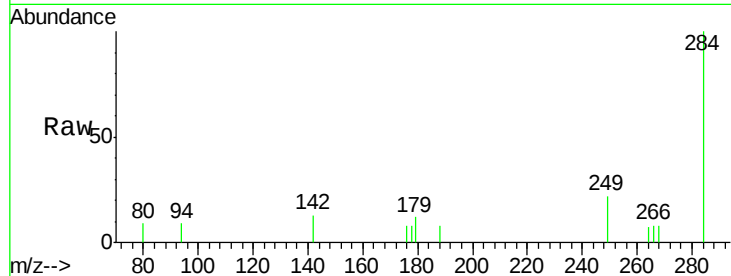
#19
Hexachlorobenzene
Concen: 0.40 ng
RT: 16.89 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	1002		
142	0.0	0.0	0.0	0.0
249	0.0	0.0	0.0	0.0

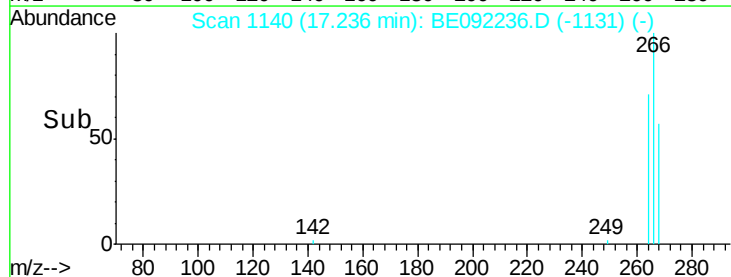
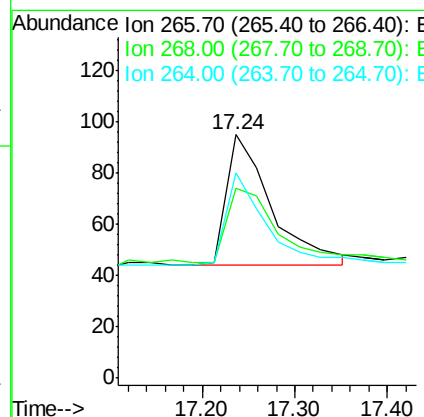
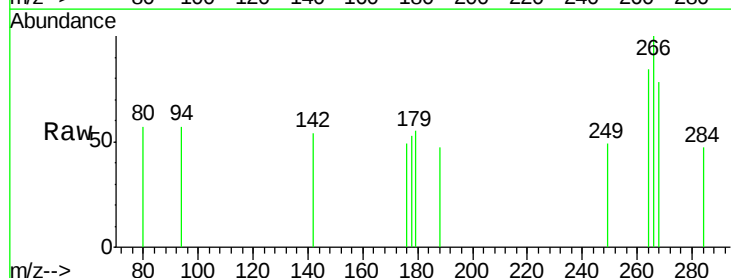
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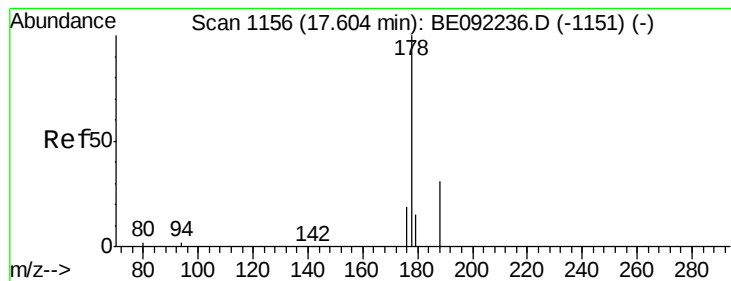
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#20
Pentachlorophenol
Concen: 0.26 ng
RT: 17.24 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	173		
268	77.9	62.3	93.5	
264	84.2	67.4	101.0	





#21

Phenanthrene

Concen: 0.39 ng

RT: 17.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Instrument :

BNA_E

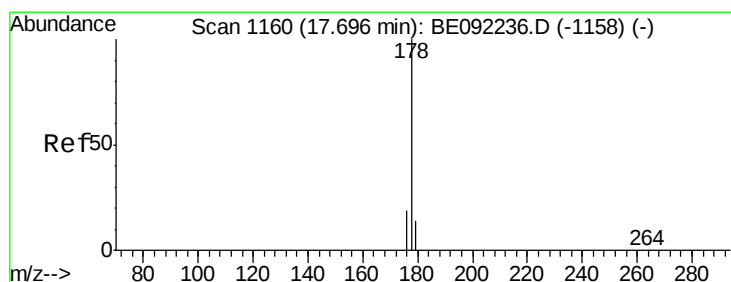
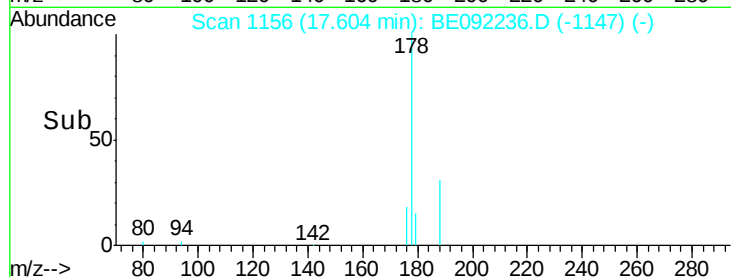
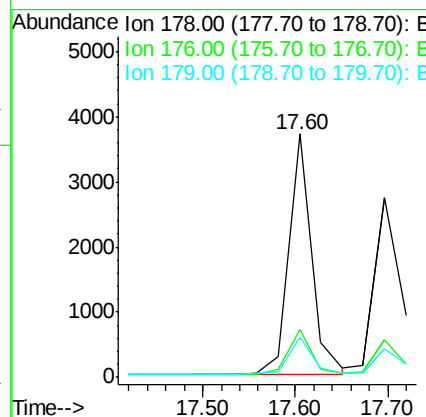
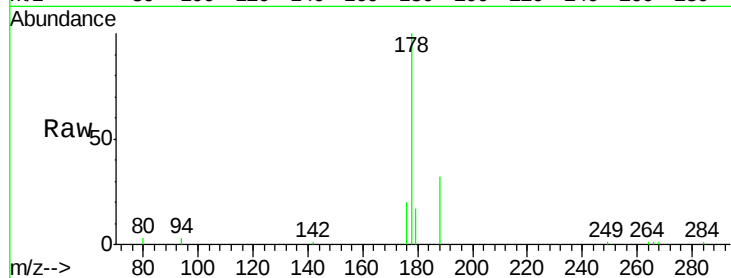
ClientSampled :

SSTDICCC0.4

Tgt Ion:	178	Resp:	6296
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.1	22.7
179	16.1	12.9	19.3

Manual Integrations
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#22

Anthracene

Concen: 0.37 ng

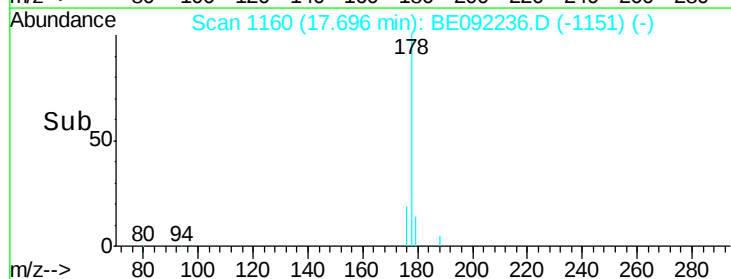
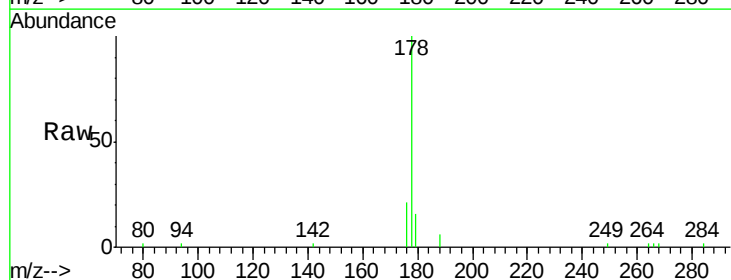
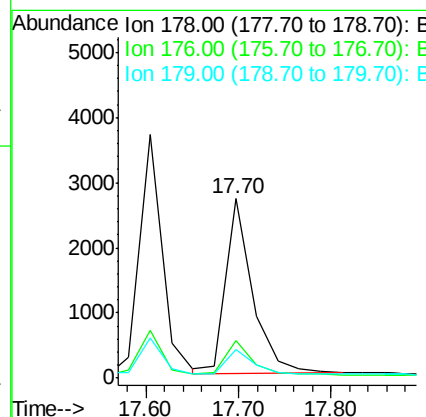
RT: 17.70 min Scan# 1160

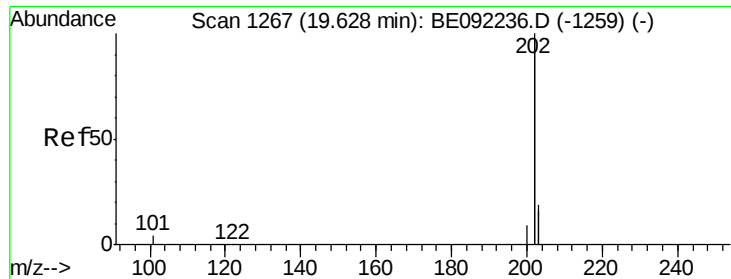
Delta R.T. 0.00 min

Lab File: BE092236.D

Acq: 9 Aug 2016 20:02

Tgt Ion:	178	Resp:	5463
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.4
179	15.0	12.0	18.0





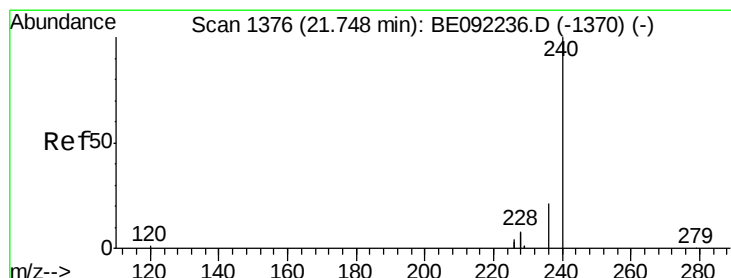
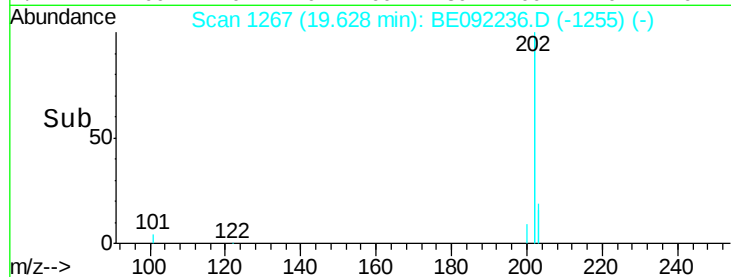
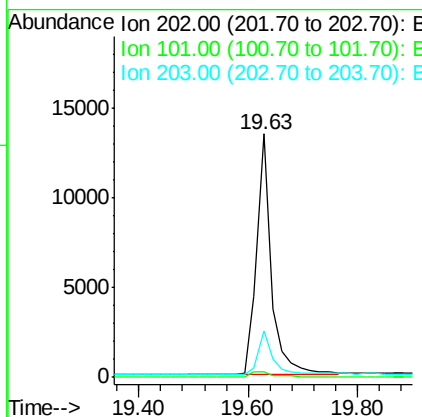
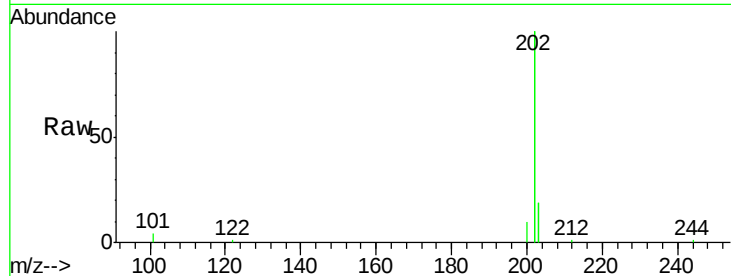
#23
Fluoranthene
 Concen: 0.38 ng
 RT: 19.63 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	24615		
101	2.8		2.2	3.4
203	17.1		13.7	20.5

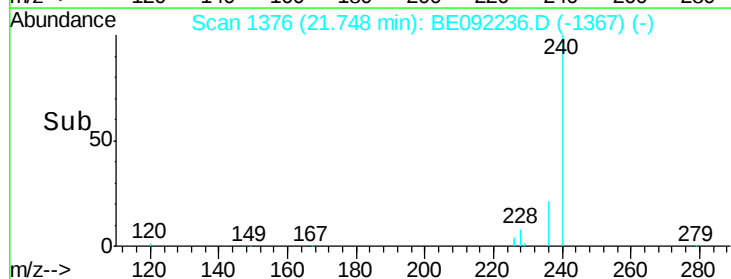
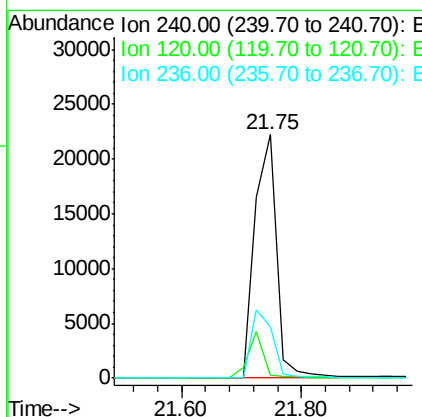
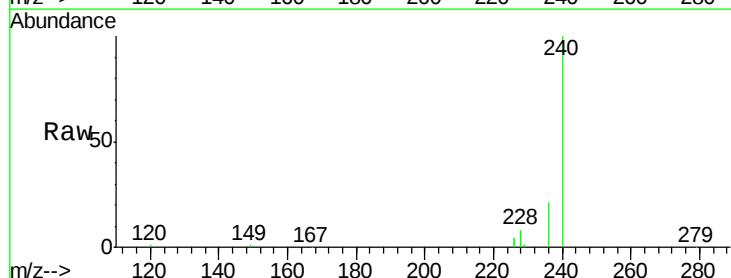
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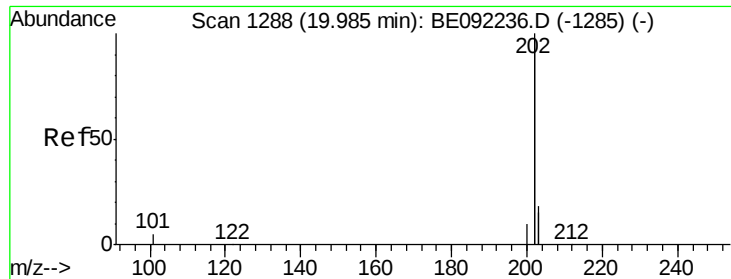
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#24
Chrysene-d12
 Concen: 5.00 ng
 RT: 21.75 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	56475		
120	1.5		1.2	1.8
236	21.4		17.1	25.7





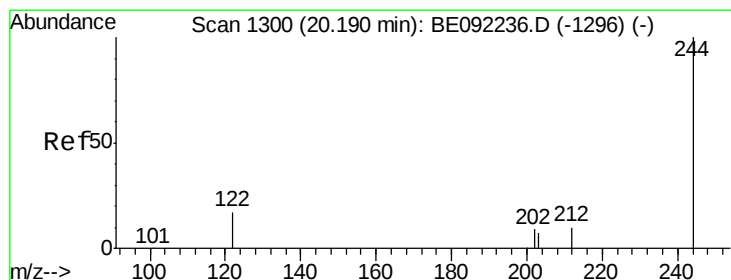
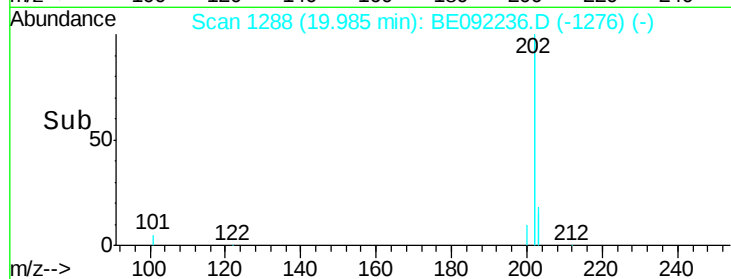
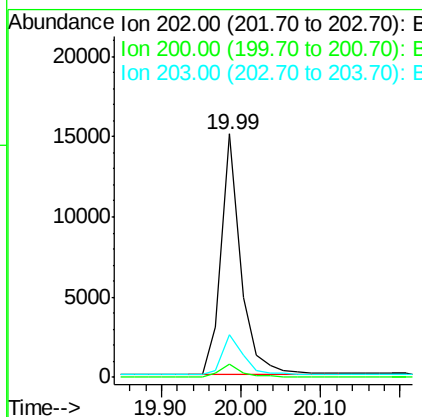
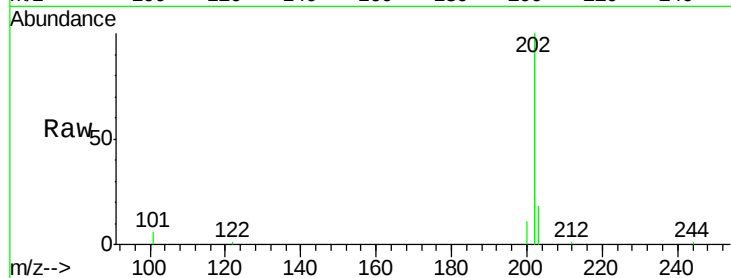
#25
 Pyrene
 Concen: 0.38 ng
 RT: 19.99 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	25528		
200	5.3	4.2	6.4	
203	17.5	14.0	21.0	

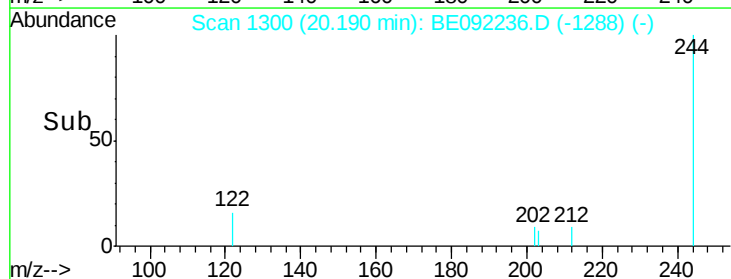
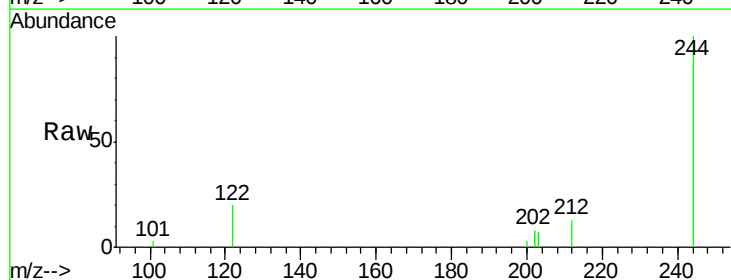
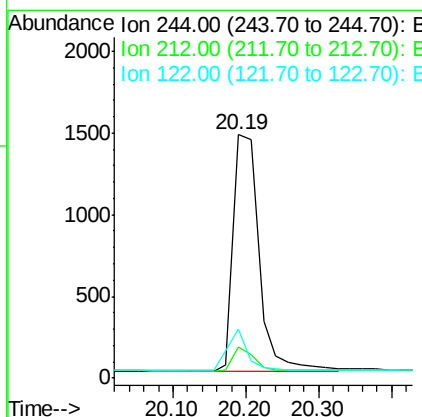
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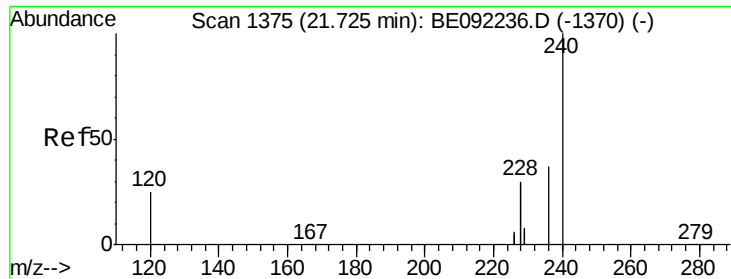
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#26
 Terphenyl-d14
 Concen: 0.37 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3534		
212	12.7	10.2	15.2	
122	19.9	15.9	23.9	





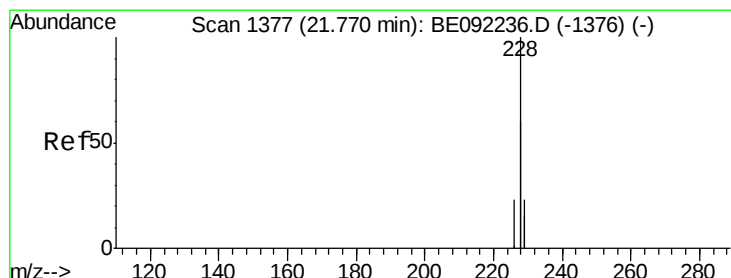
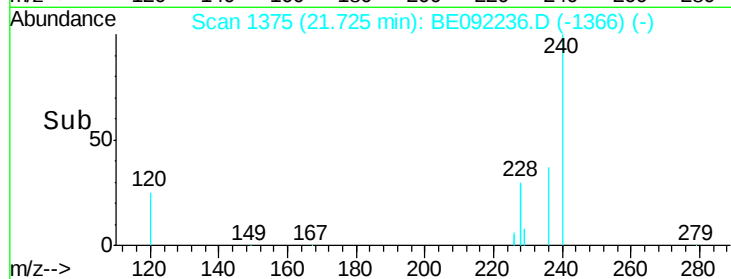
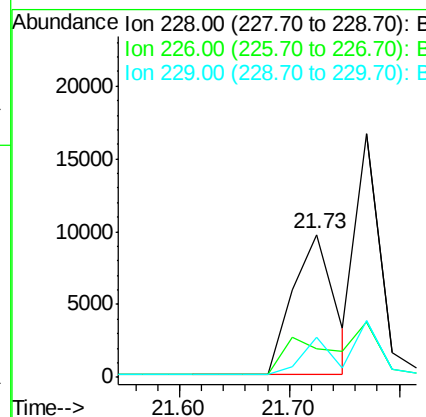
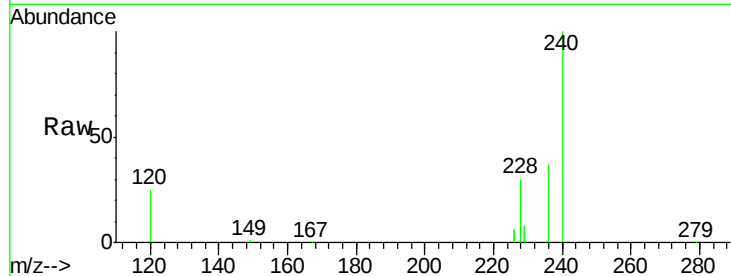
#27
Benzo(a)anthracene
Concen: 0.37 ng
RT: 21.73 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	19.9	15.9	23.9
229	28.0	22.4	33.6

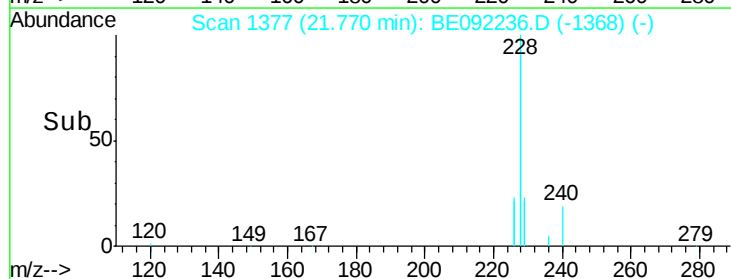
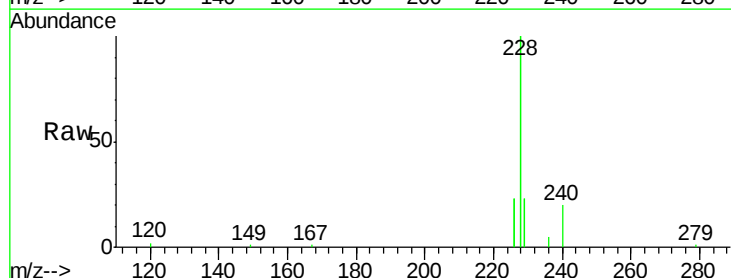
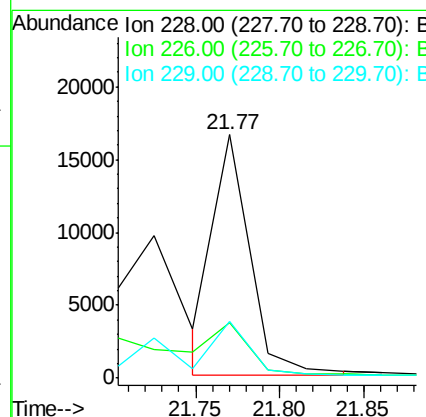
Manual Integrations
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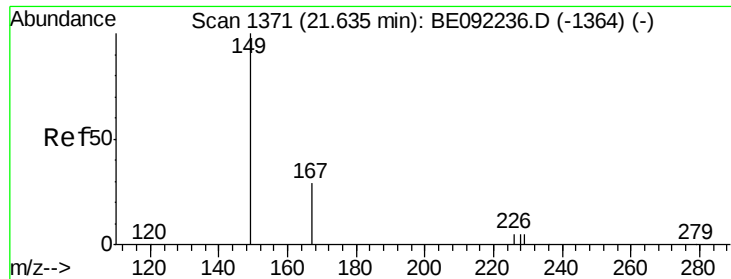
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#28
Chrysene
Concen: 0.41 ng m
RT: 21.77 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	22.9	18.3	27.5
229	23.2	18.6	27.8





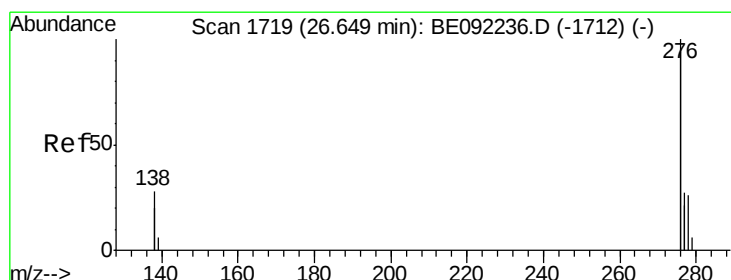
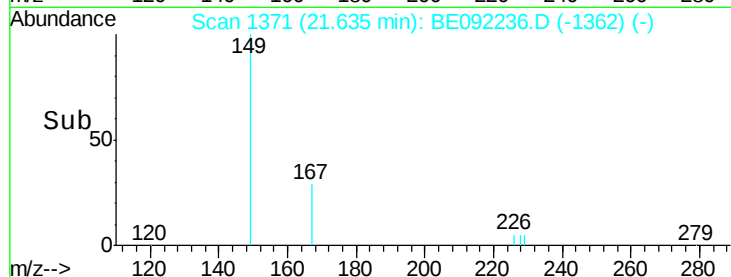
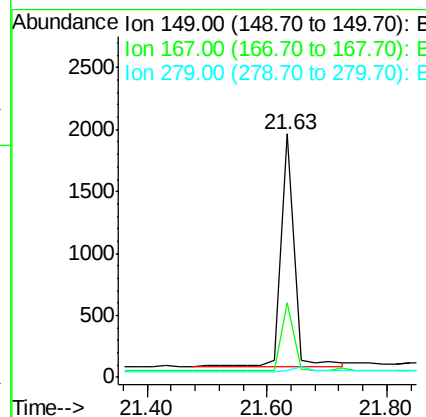
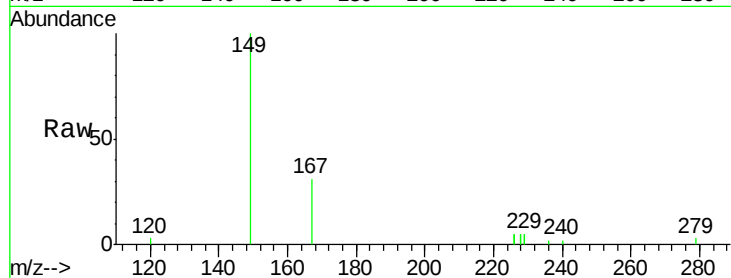
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.63 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Instrument :
 BNA_E
 ClientSampleID :
 SSTDICC0.4

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.1	33.1
279	0.0	0.0	0.0

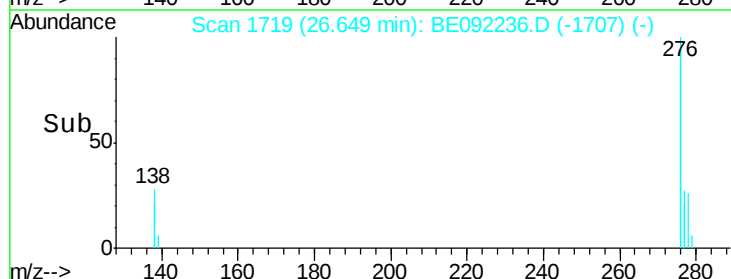
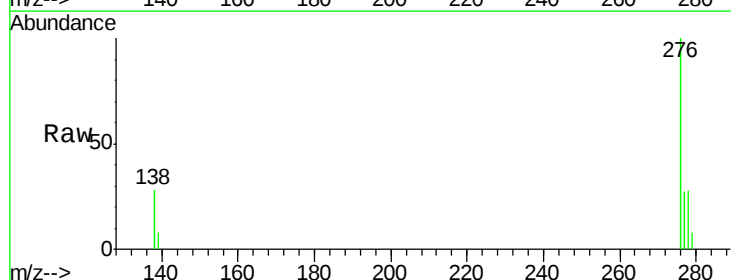
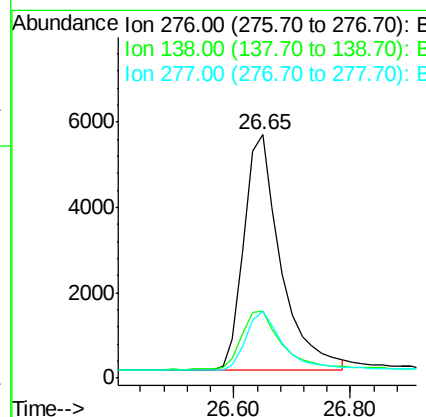
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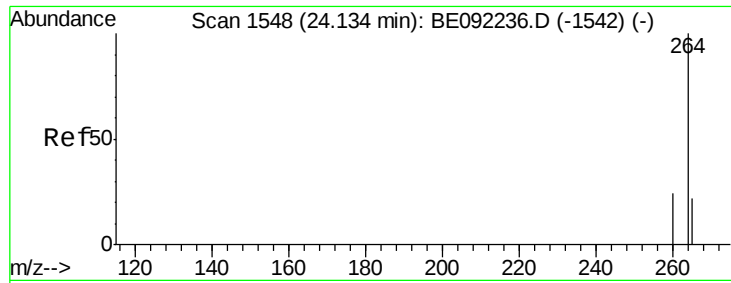
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.36 ng
 RT: 26.65 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.3	31.9
277	24.6	19.7	29.5





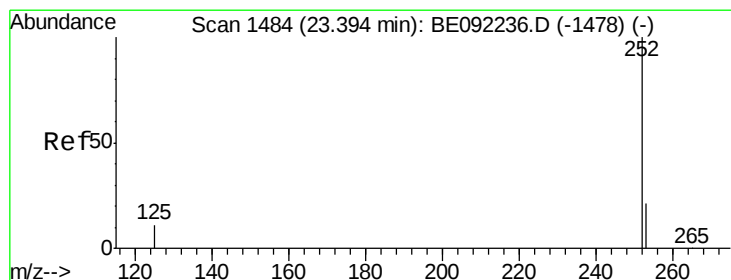
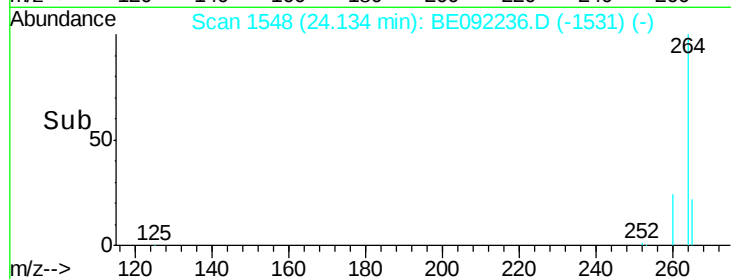
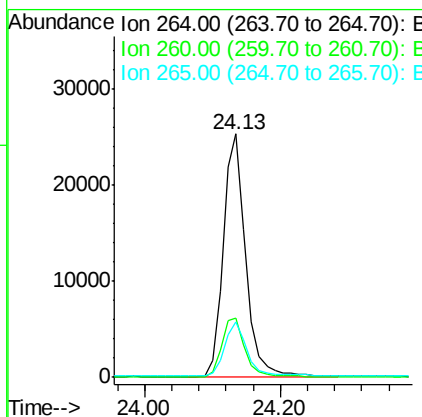
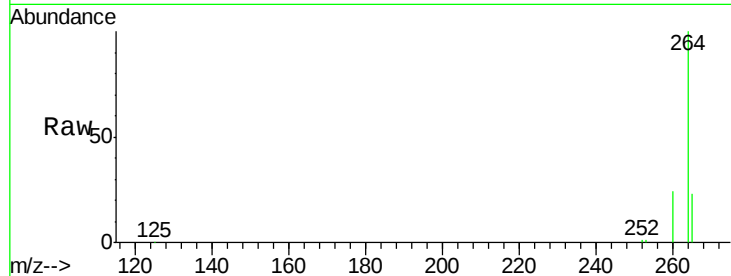
#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.13 min Scan# 1548
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.8	18.2	27.4

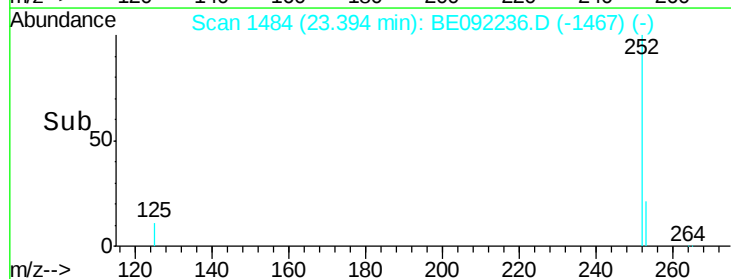
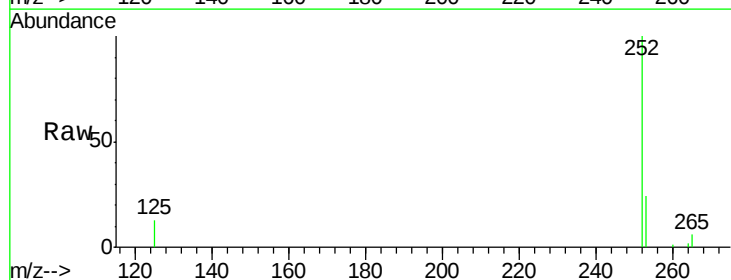
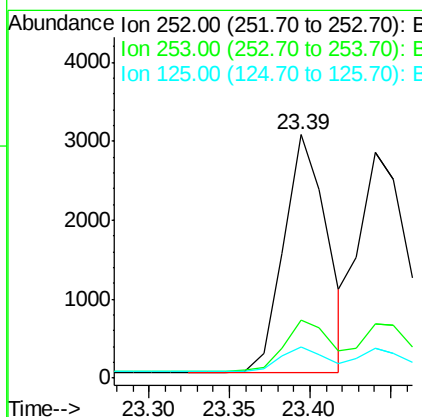
Manual Integrations
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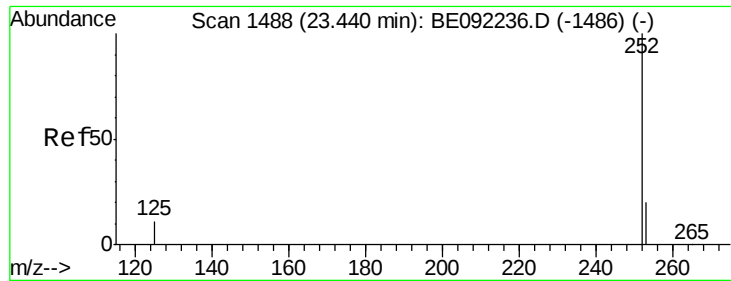
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#32
Benzo(b)fluoranthene
 Concen: 0.37 ng
 RT: 23.39 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: BE092236.D
 Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.4
125	12.9	10.3	15.5





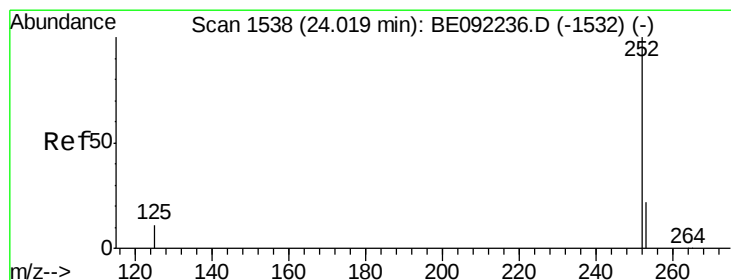
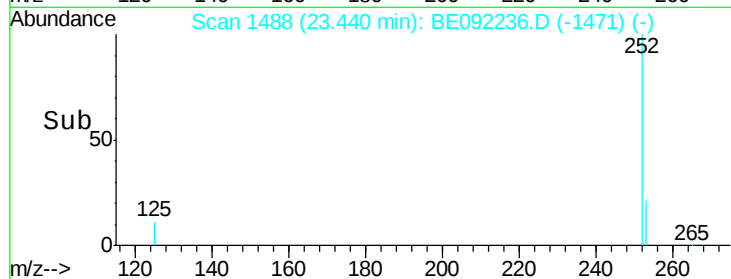
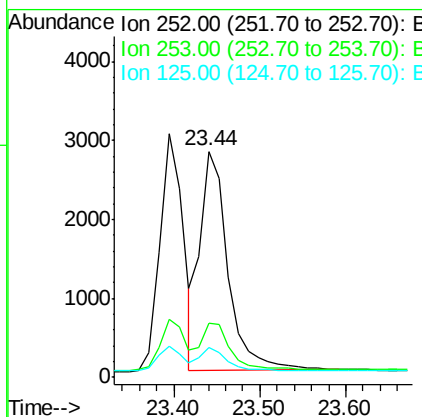
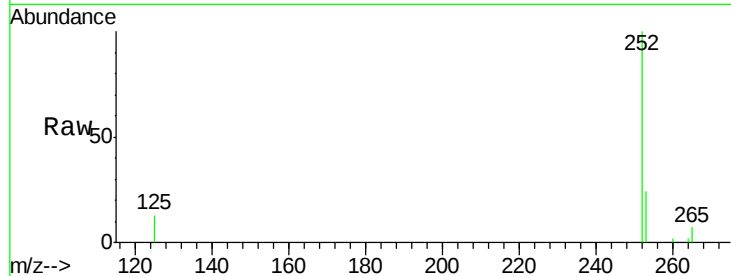
#33
Benzo(k)fluoranthene
Concen: 0.39 ng
RT: 23.44 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.6
125	13.2	10.6	15.8

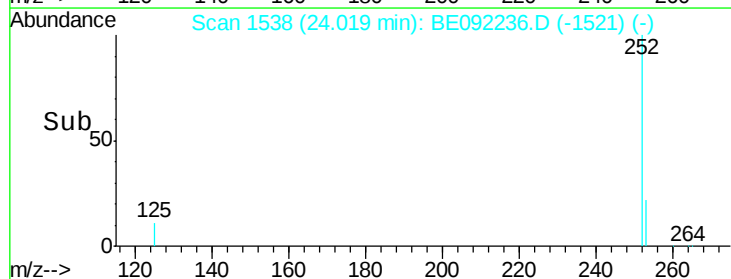
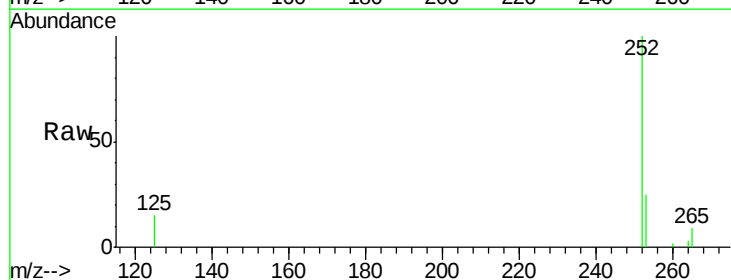
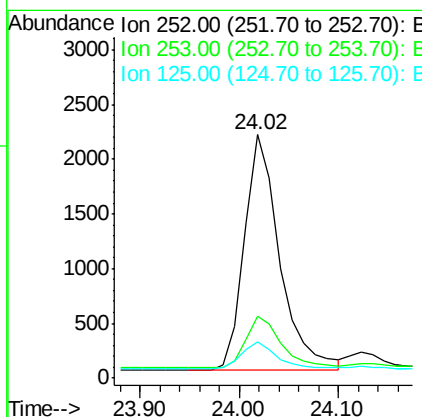
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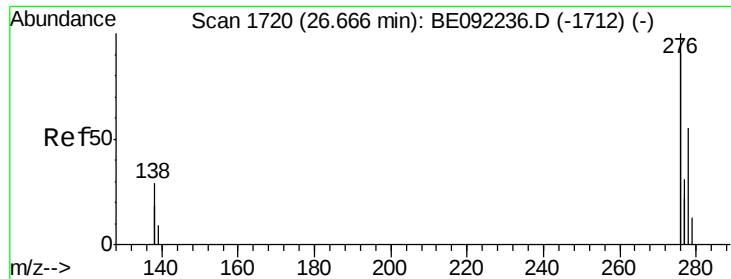
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#34
Benzo(a)pyrene
Concen: 0.37 ng
RT: 24.02 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.3	30.5
125	14.7	11.8	17.6





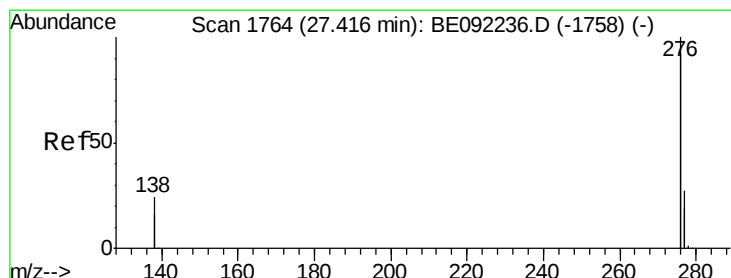
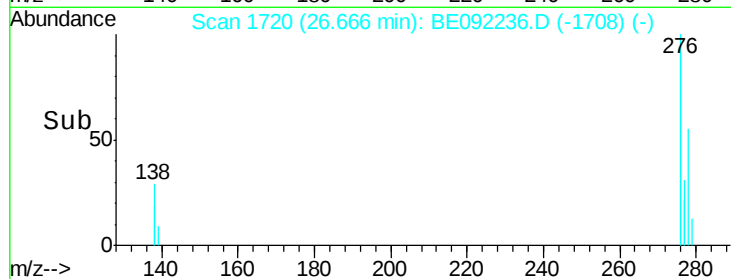
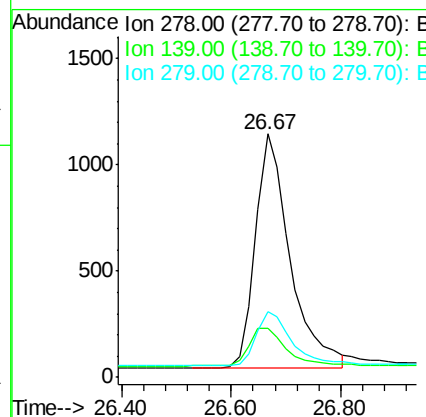
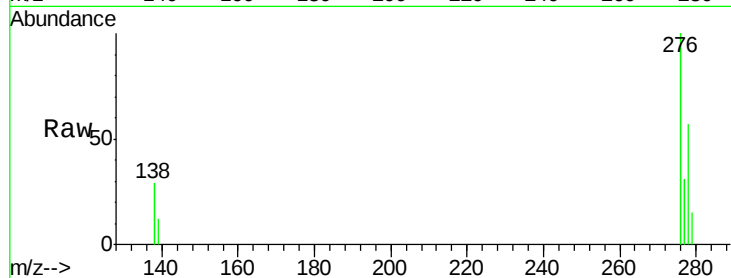
#35
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.67 min Scan# 1720
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	16.2	24.2
279	26.8	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.42 min Scan# 1764
Delta R.T. 0.00 min
Lab File: BE092236.D
Acq: 9 Aug 2016 20:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	21.4	32.2
138	24.3	19.4	29.2

