

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
 Data File : BE092735.D
 Acq On : 15 Feb 2017 16:13
 Operator : SJ/MA
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

mohammad
 2/16/2017 11:47:20 AM

Quant Time: Feb 15 17:03:30 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 16:44:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	10095	5.00	ng	-0.02
7) Naphthalene-d8	10.88	136	50166	5.00	ng	-0.02
12) Acenaphthene-d10	14.76	164	31384	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	67325	5.00	ng	0.00
24) Chrysene-d12	21.70	240	71105	5.00	ng	0.00
31) Perylene-d12	24.03	264	70631	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	ng	
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.37	172	79185	10.40	ng	-0.02
26) Terphenyl-d14	20.12	244	105071	11.85	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.34	88	12524	8.58	ng	92
3) n-Nitrosodimethylamine	3.69	42	19424	13.59	ng	98
9) Naphthalene	10.93	128	106745	9.81	ng	94
10) Hexachlorobutadiene	11.22	225	15841	9.91	ng	99
11) 2-Methylnaphthalene	12.55	142	73770	10.94	ng	98
15) Acenaphthylene	14.47	152	509365	10.87	ng	100
16) Acenaphthene	14.81	154	72857	10.68	ng	93
17) Fluorene	15.81	166	94086	10.75	ng	100
19) Hexachlorobenzene	16.84	284	22697	8.58	ng	# 39
21) Phenanthrene	17.56	178	147904m	9.15	ng	
22) Anthracene	17.65	178	148492	10.09	ng	98
23) Fluoranthene	19.54	202	690784	10.08	ng	98
25) Pyrene	19.92	202	768350	11.57	ng	99
27) Benzo(a)anthracene	21.68	228	716769	10.45	ng	# 76
28) Chrysene	21.72	228	842080m	10.34	ng	
30) Indeno(1,2,3-cd)pyrene	26.48	276	859494	9.23	ng	98
32) Benzo(b)fluoranthene	23.30	252	187815	9.33	ng	94
33) Benzo(k)fluoranthene	23.35	252	198065	9.30	ng	93
34) Benzo(a)pyrene	23.91	252	186320	10.30	ng	94
35) Dibenzo(a,h)anthracene	26.50	278	179630	9.30	ng	96
36) Benzo(g,h,i)perylene	27.23	276	745874	9.12	ng	98

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

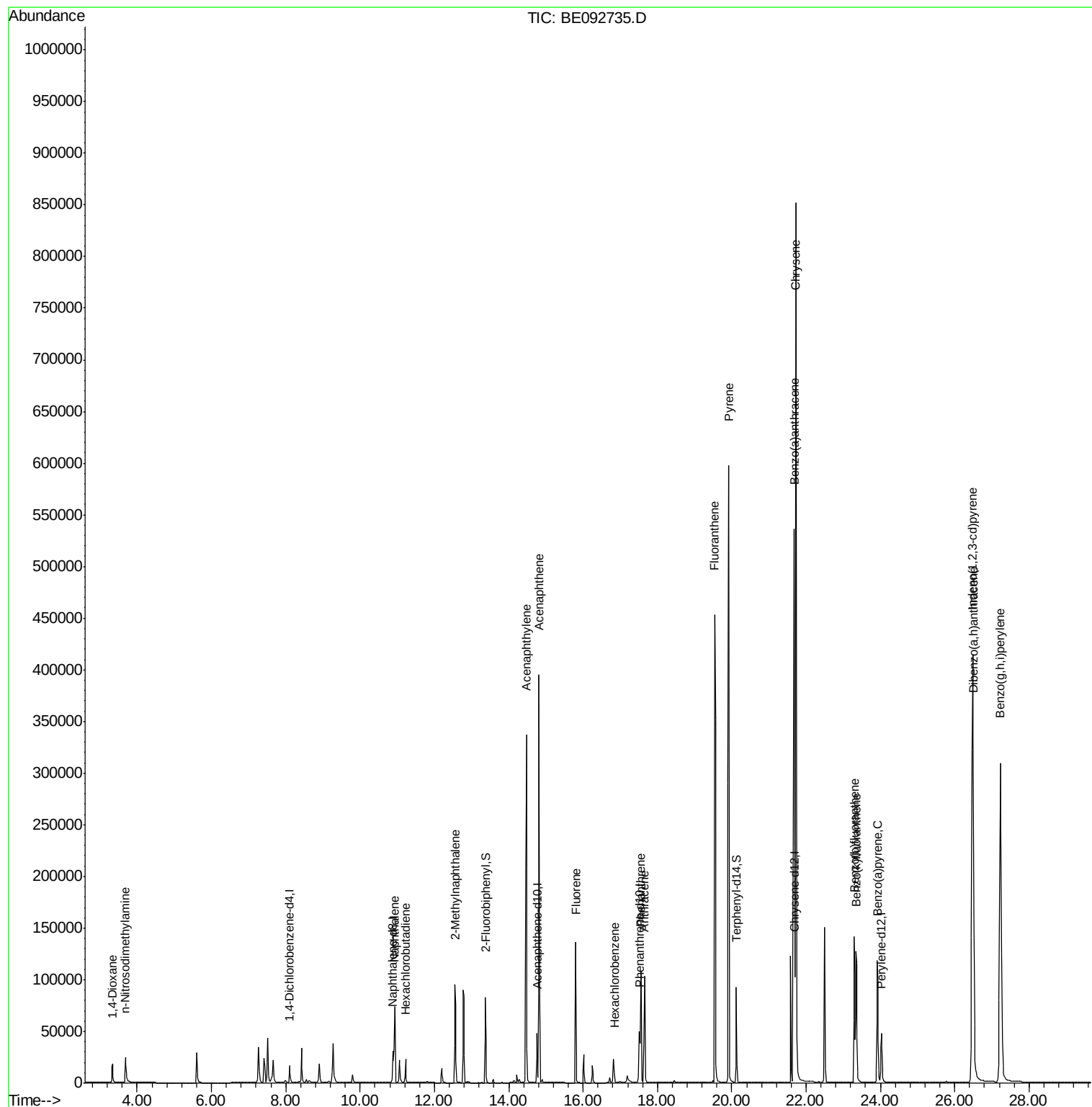
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
Data File : BE092735.D
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ALS Vial : 9 Sample Multiplier: 1

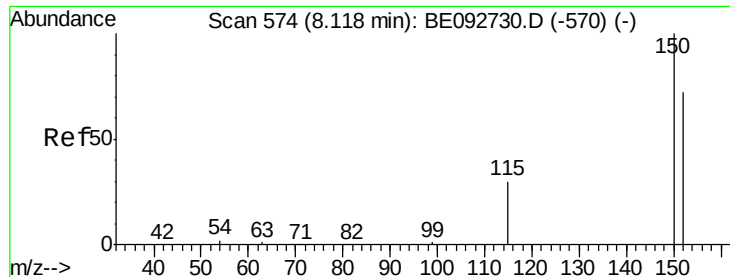
Instrument :
BNA_E
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SSTDIC010

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 15 16:44:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.10 min Scan# 573

Delta R.T. -0.02 min

Lab File: BE092735.D

Acq: 15 Feb 2017 16:13

Instrument :

BNA_E

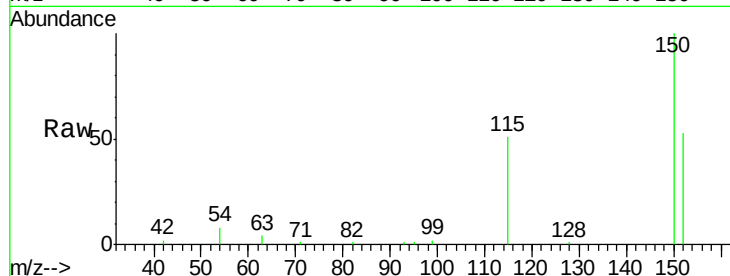
ClientSampleId :

SSTDIC010

Tgt Ion	Ratio	Lower	Upper
152	100		
150	189.7	106.0	159.0#
115	97.5	31.2	46.8#

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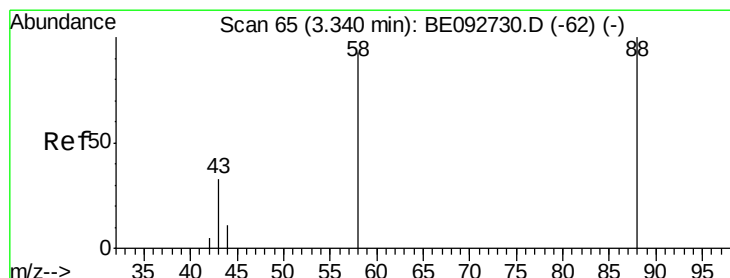
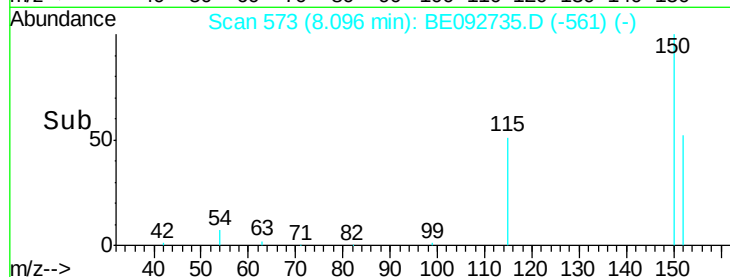
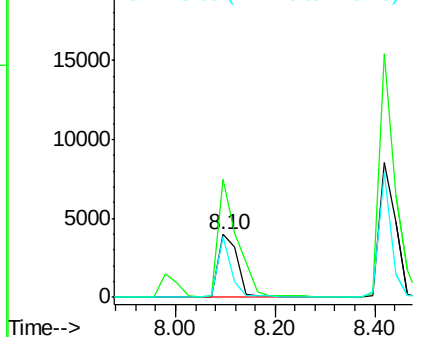


Abundance

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: 8.58 ng

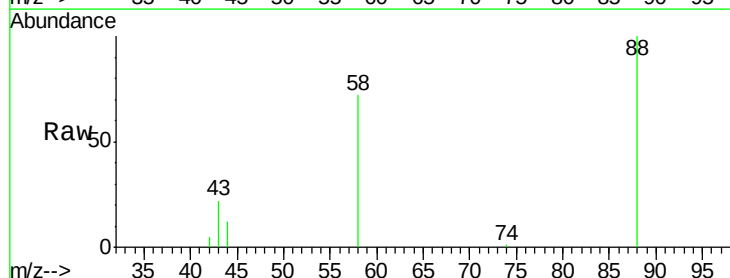
RT: 3.34 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE092735.D

Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.5	63.6	95.4
43	36.9	28.0	42.0

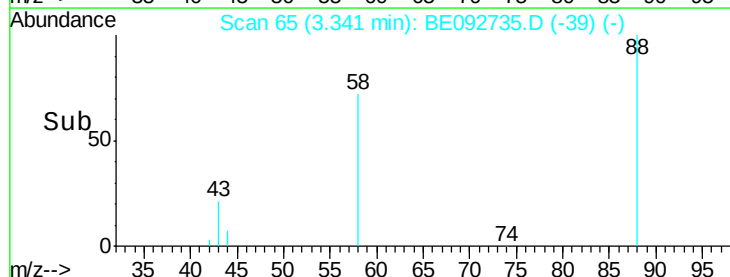
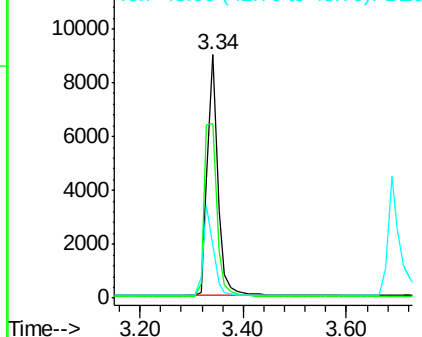


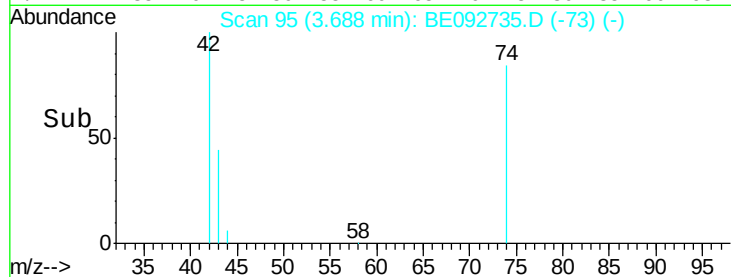
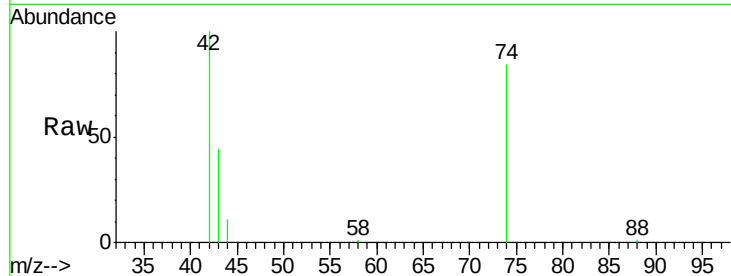
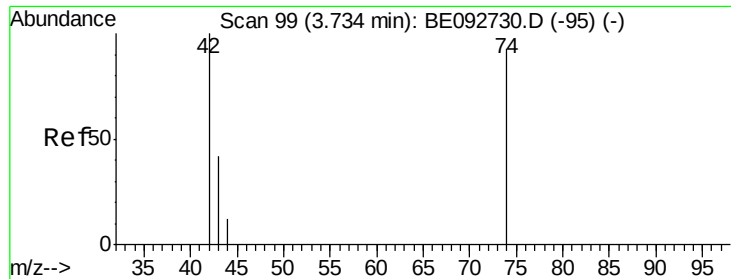
Abundance

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





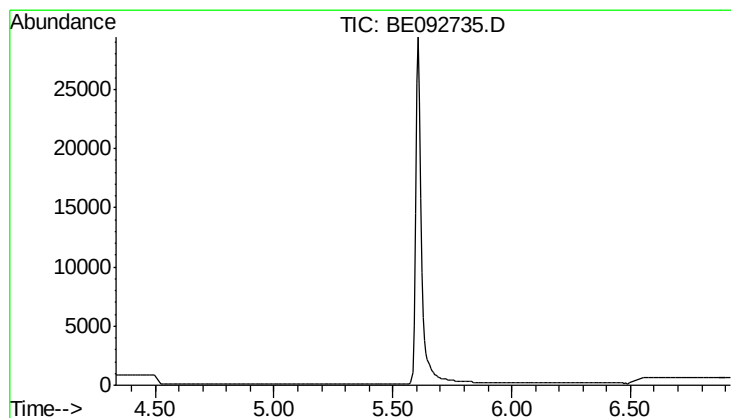
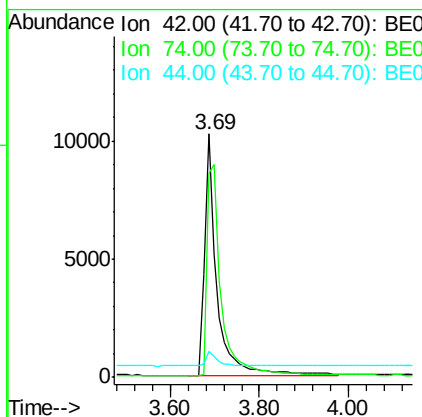
#3
n-Nitrosodimethylamine
Concen: 13.59 ng
RT: 3.69 min Scan# 95
Delta R.T. -0.05 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion: 42 Resp: 19424
Ion Ratio Lower Upper
42 100
74 105.3 86.0 129.0
44 6.1 5.1 7.7

Instrument :
BNA_E
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SSTDIC010

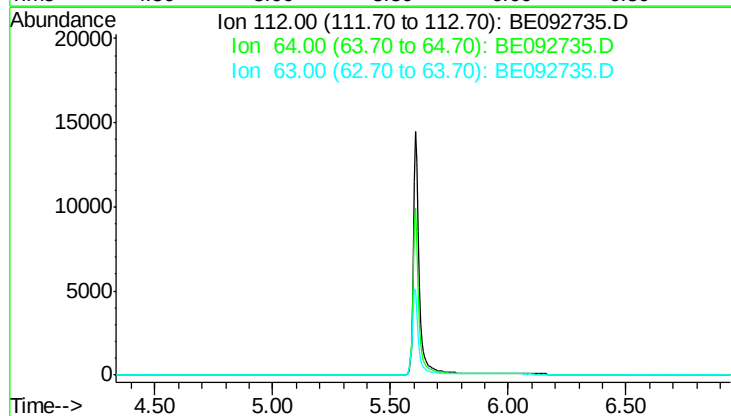
Manual Integrations
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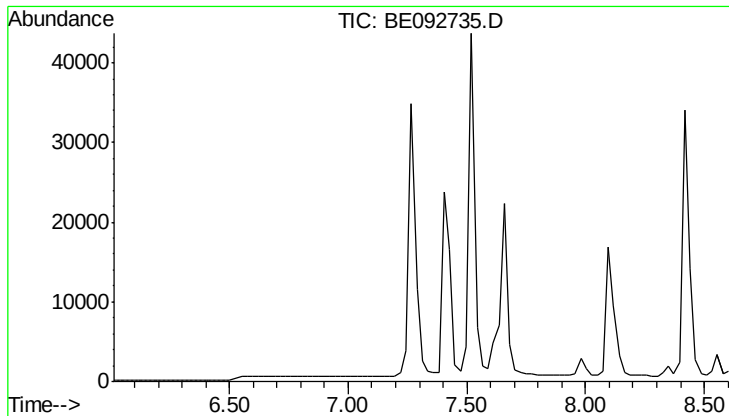
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#4
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.63 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion: 112
Sig Exp Ratio
112 100
64 66.9
63 34.9





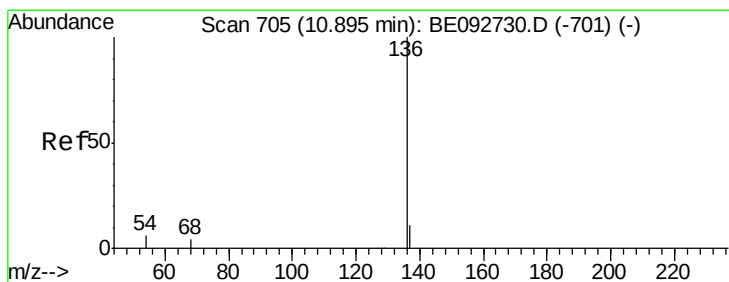
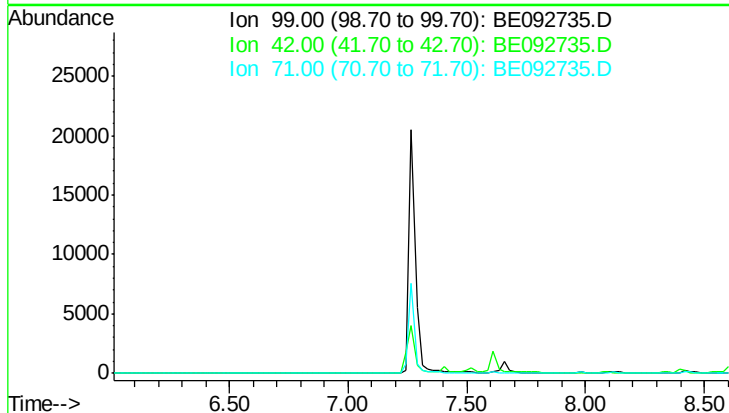
#5
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 7.31 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 20.0
 71 38.2

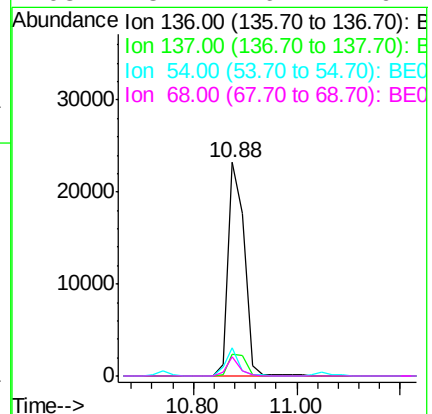
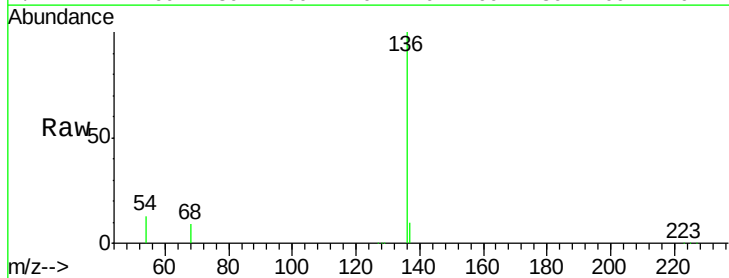
Manual Integrations
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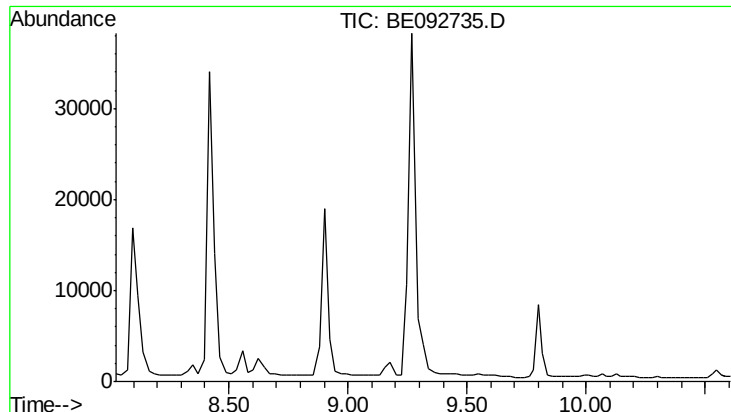
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#7
 Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.88 min Scan# 704
 Delta R.T. -0.02 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Tgt Ion: 136 Resp: 50166
 Ion Ratio Lower Upper
 136 100
 137 10.2 8.2 12.4
 54 12.9 9.6 14.4
 68 8.7 6.7 10.1





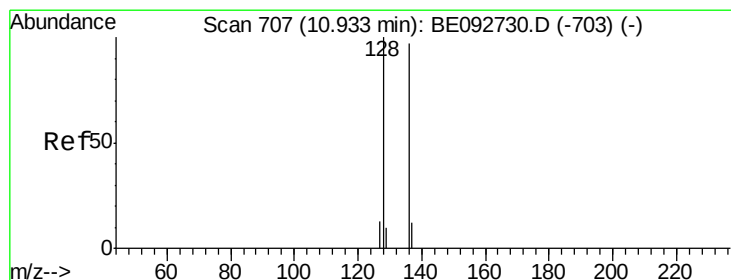
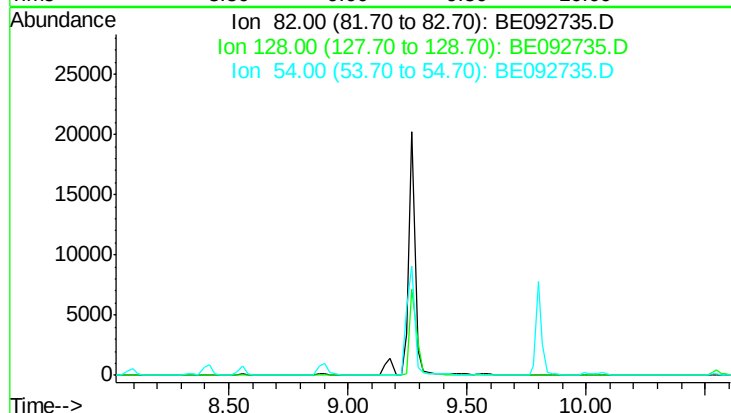
#8
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 9.32 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Exp Ratio
82	100
128	48.7
54	56.0

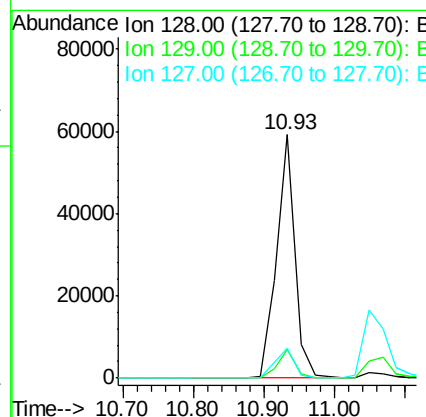
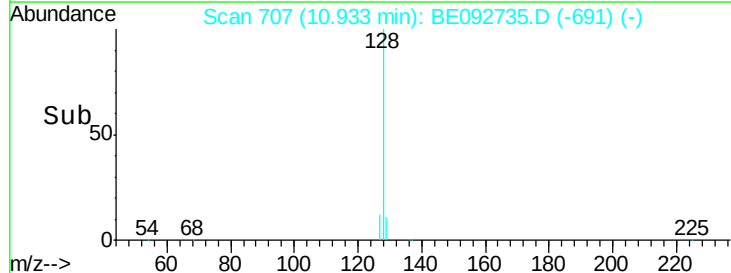
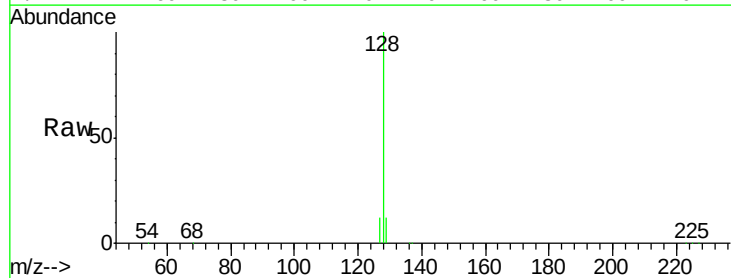
Manual Integrations
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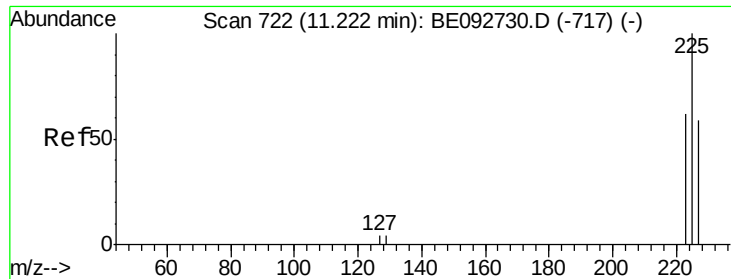
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#9
 Naphthalene
 Concen: 9.81 ng
 RT: 10.93 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	11.2	16.8
127	12.2	11.6	17.4





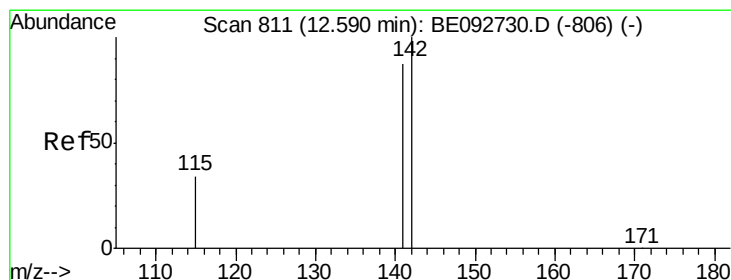
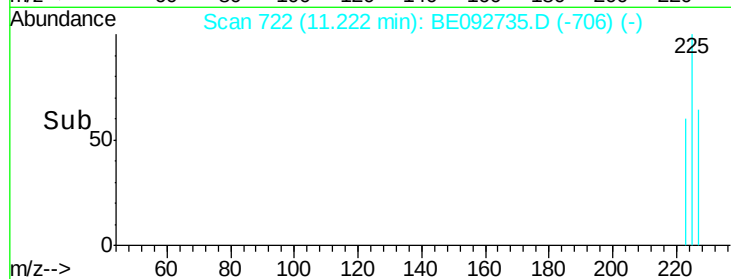
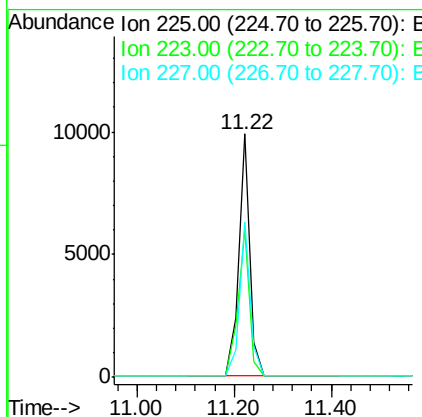
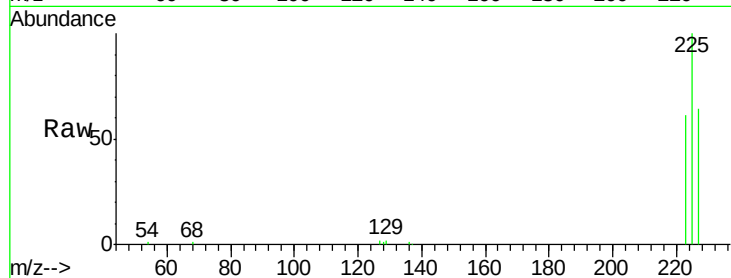
#10
Hexachlorobutadiene
Concen: 9.91 ng
RT: 11.22 min Scan# 722
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	63.2	51.4	77.0

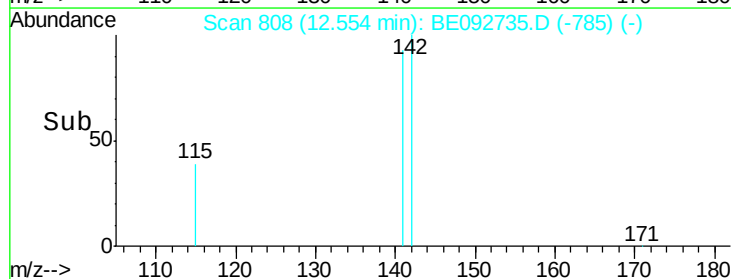
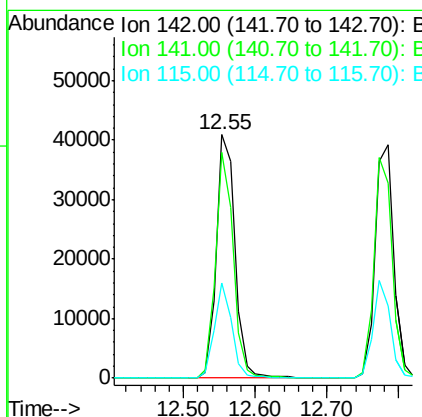
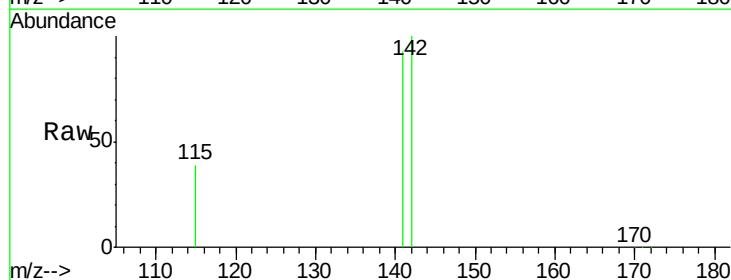
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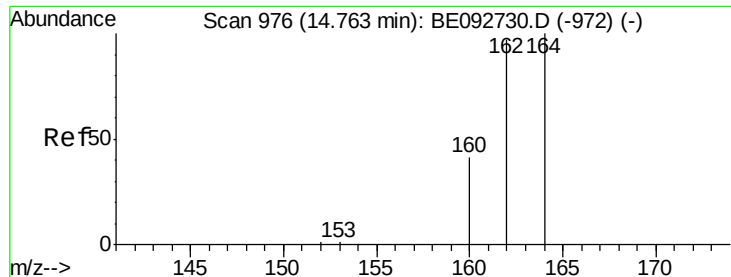
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#11
2-Methylnaphthalene
Concen: 10.94 ng
RT: 12.55 min Scan# 808
Delta R.T. -0.04 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.7	110.5
115	39.2	34.0	51.0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.76 min Scan# 977

Delta R.T. 0.00 min

Lab File: BE092735.D

Acq: 15 Feb 2017 16:13

Instrument :
BNA_E

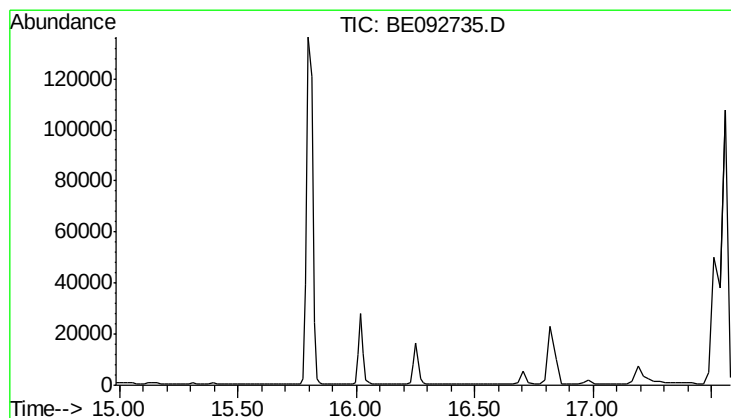
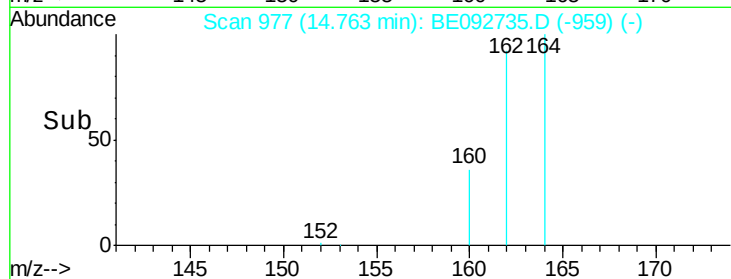
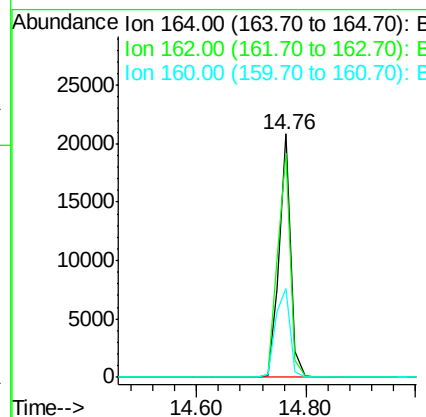
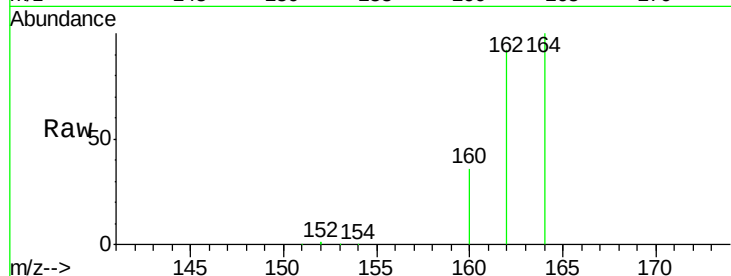
ClientSampleId :
SSTDIC010

Tgt Ion: 164 Resp: 31384

Ion	Ratio	Lower	Upper
164	100		
162	92.3	71.4	107.0
160	36.4	27.4	41.2

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#13

2,4,6-Tribromophenol

Concen: 0.00 ng

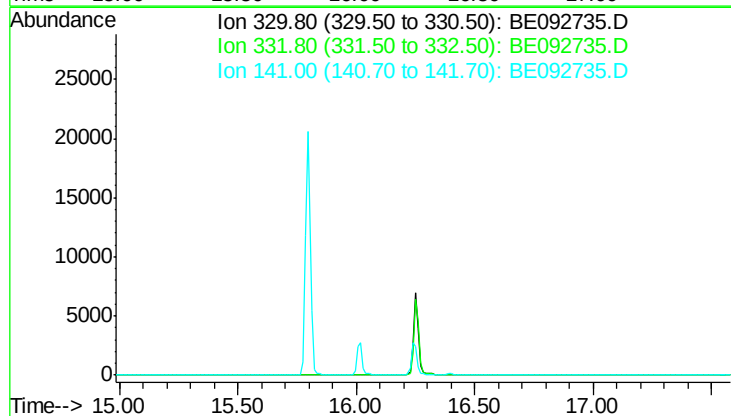
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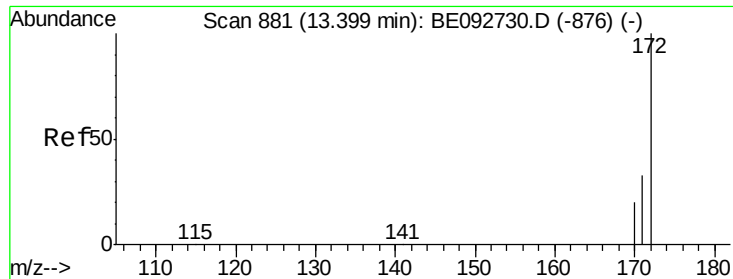
Lab File: BE092735.D

Acq: 15 Feb 2017 16:13

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.2
141	38.8





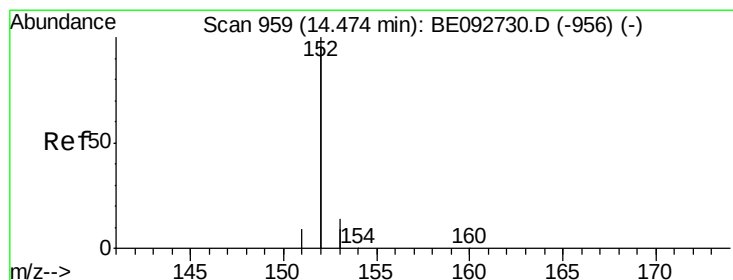
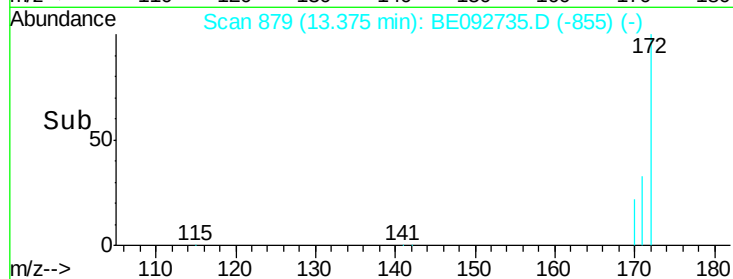
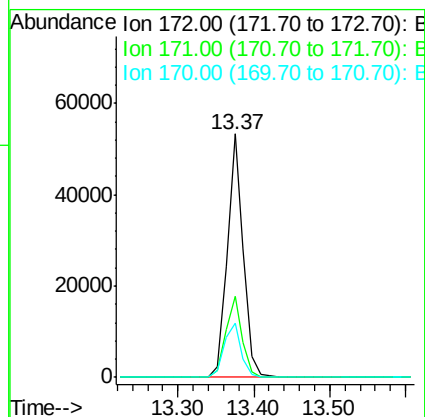
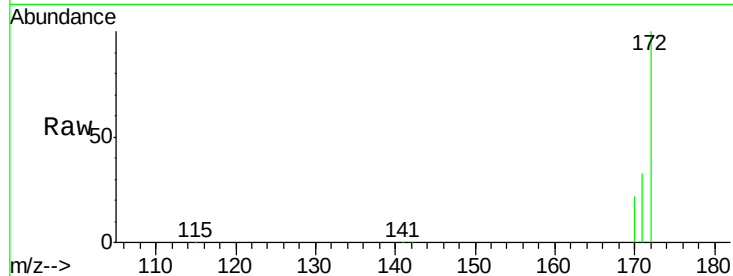
#14
2-Fluorobiphenyl
Concen: 10.40 ng
RT: 13.37 min Scan# 879
Delta R.T. -0.02 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	30.1	45.1
170	22.0	21.8	32.6

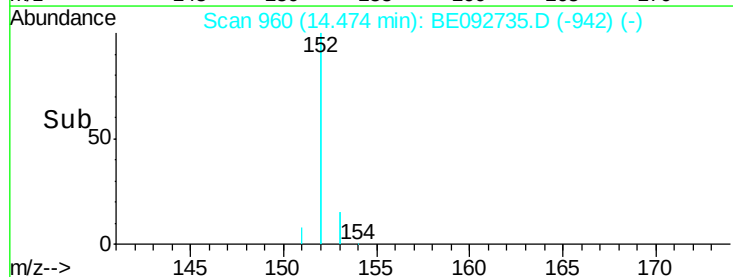
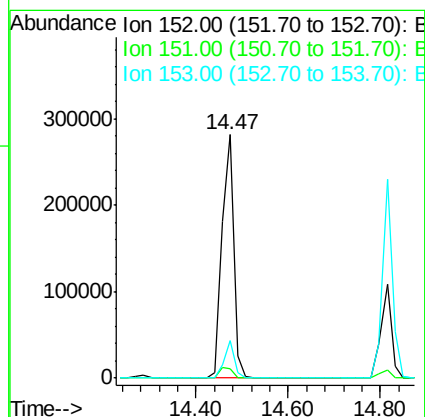
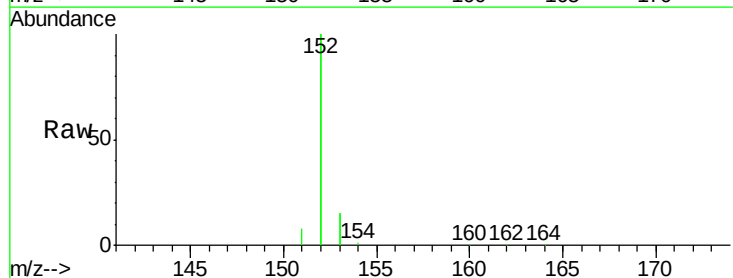
Manual Integrations
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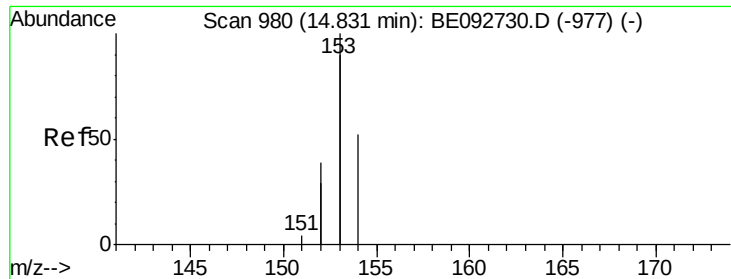
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#15
Acenaphthylene
Concen: 10.87 ng
RT: 14.47 min Scan# 960
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.4	15.6





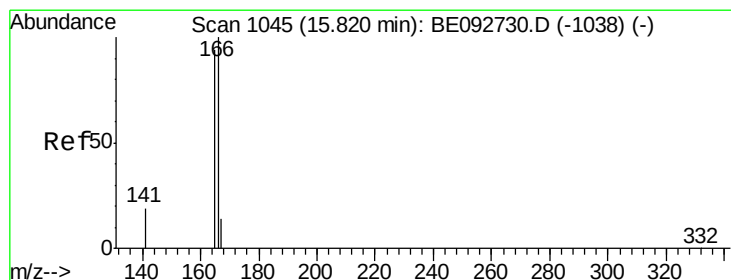
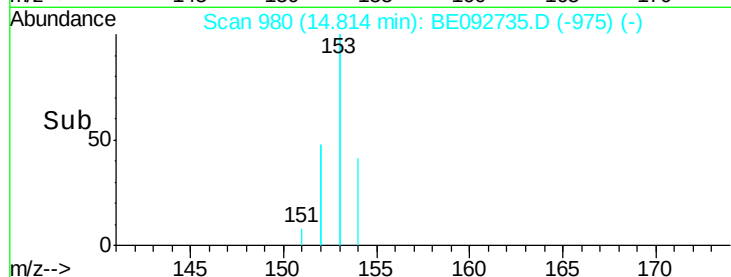
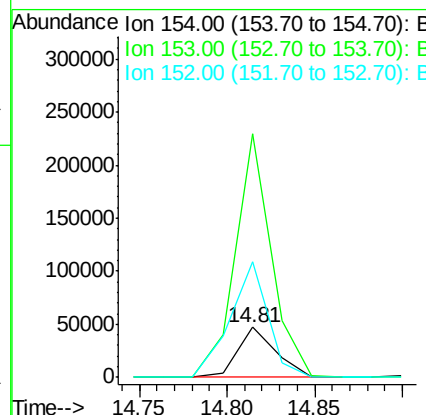
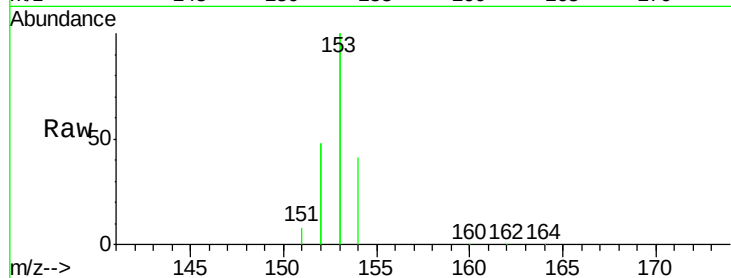
#16
Acenaphthene
Concen: 10.68 ng
RT: 14.81 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
154	100		
153	454.2	350.8	526.2
152	227.0	171.1	256.7

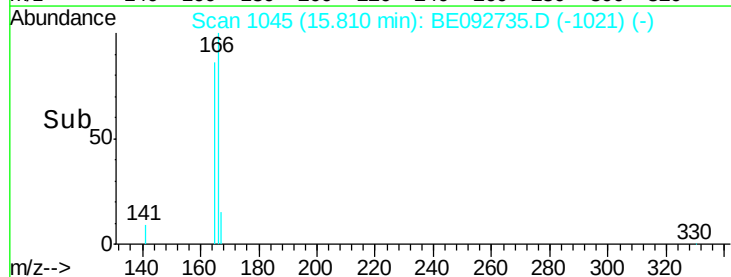
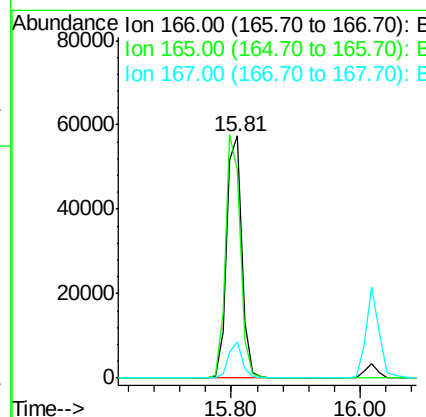
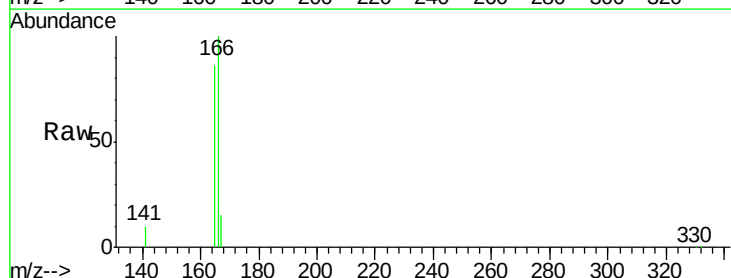
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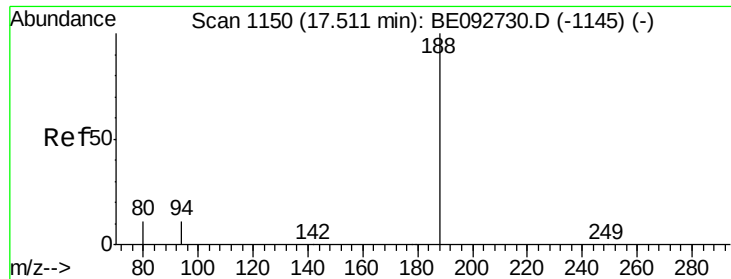
mohammad
2/16/2017 11:47:20 AM



#17
Fluorene
Concen: 10.75 ng
RT: 15.81 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.6	11.0	16.4





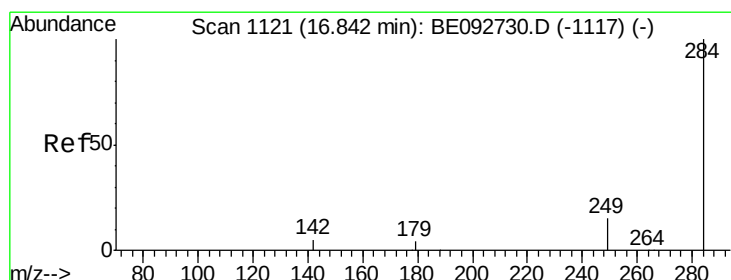
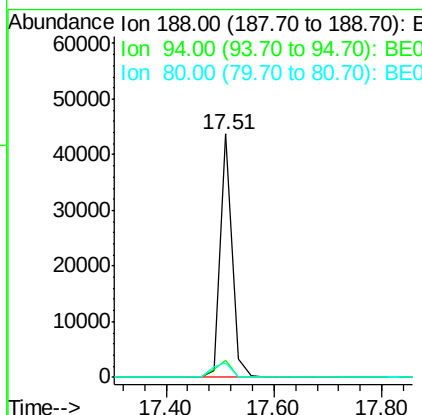
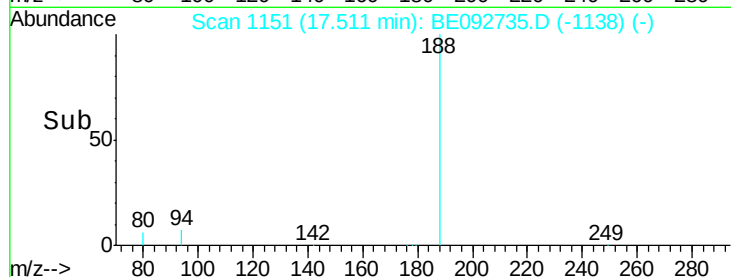
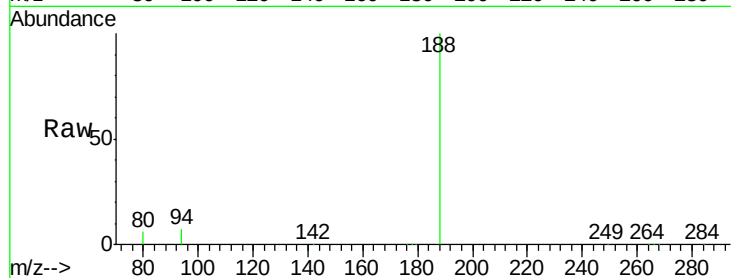
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	3.2	4.8#
80	6.0	2.6	3.8#

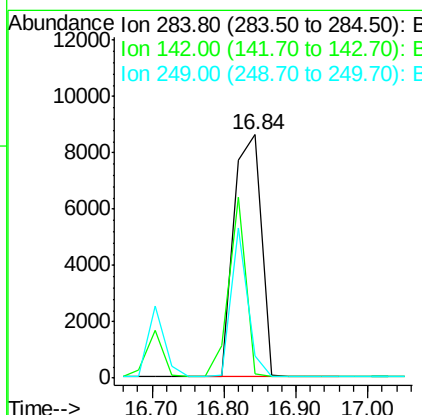
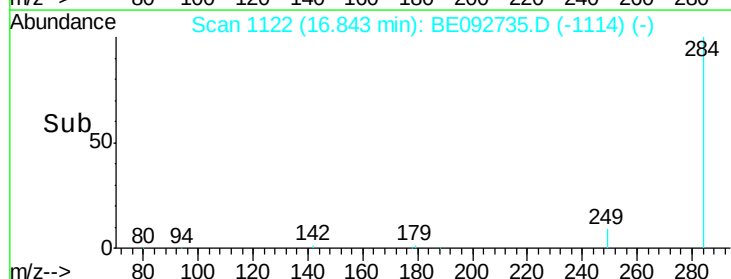
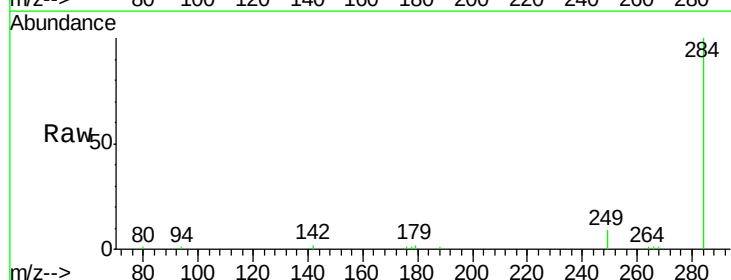
Manual Integrations
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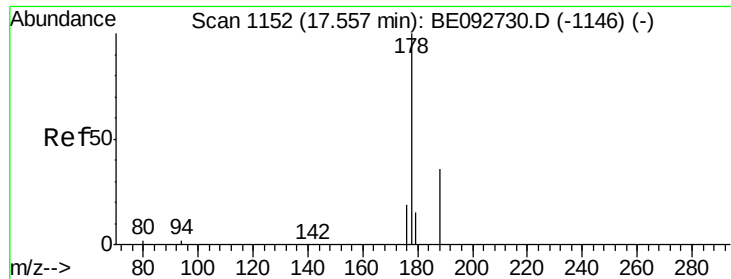
mohammad
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#19
Hexachlorobenzene
Concen: 8.58 ng
RT: 16.84 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	0.0	29.1	43.7#
249	0.0	27.9	41.9#





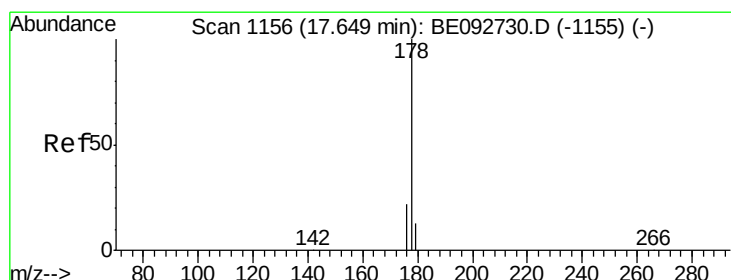
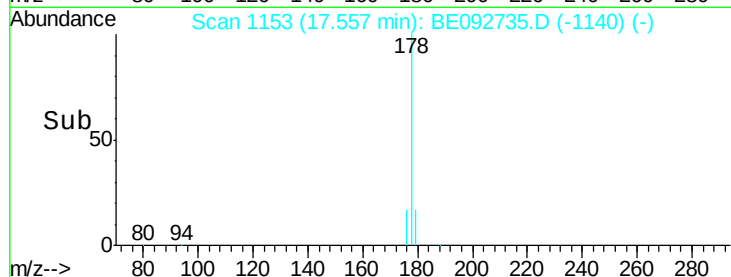
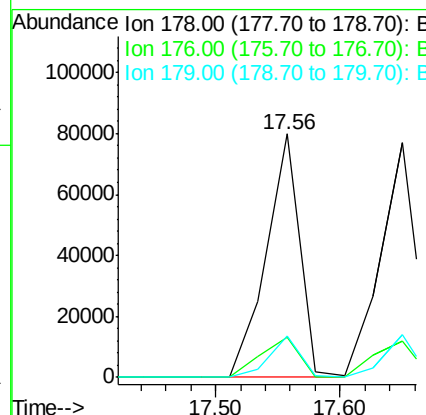
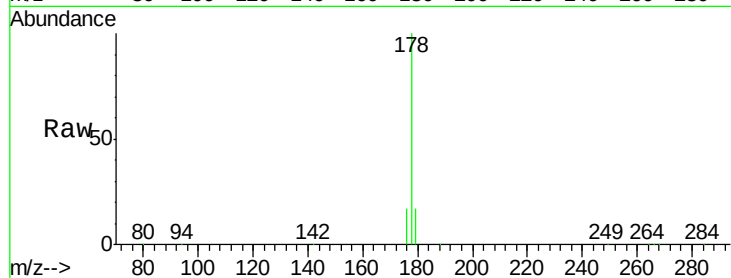
#21
Phenanthrene
Concen: 9.15 ng m
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	16.1	16.0	24.0

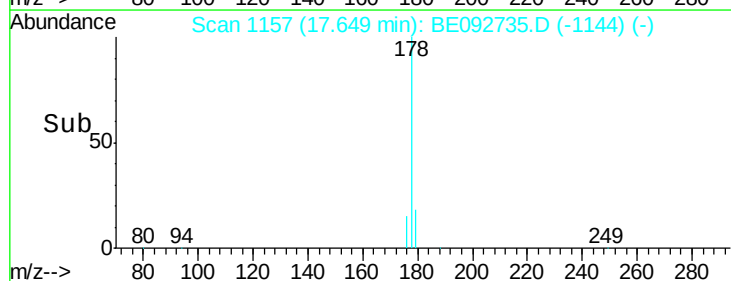
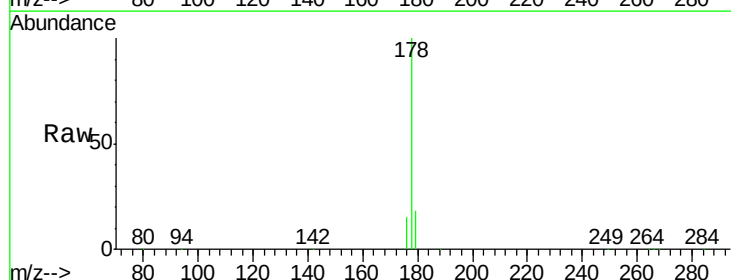
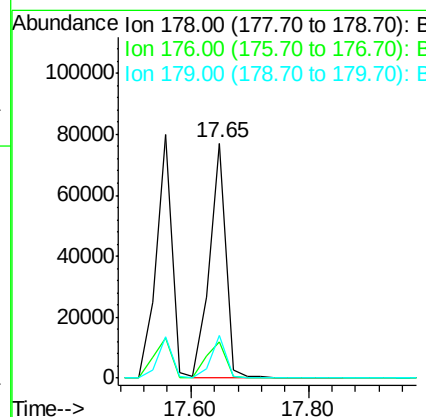
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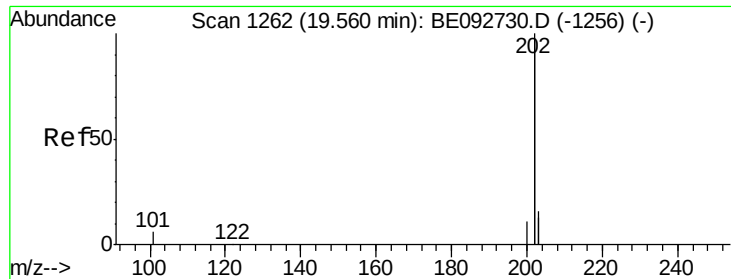
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#22
Anthracene
Concen: 10.09 ng
RT: 17.65 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	16.2	12.2	18.2





#23

Fluoranthene

Concen: 10.08 ng

RT: 19.54 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE092735.D

Acq: 15 Feb 2017 16:13

Instrument :

BNA_E

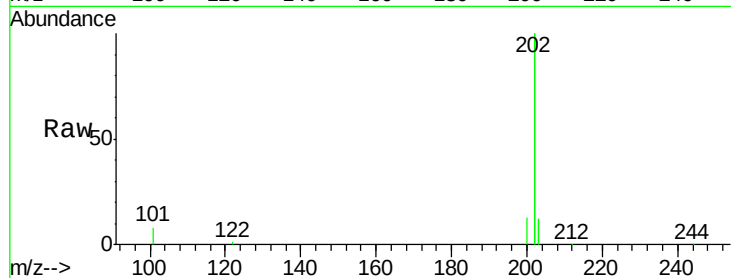
ClientSampleId :

SSTDIC010

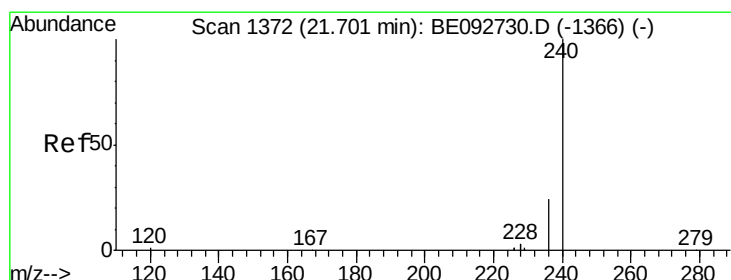
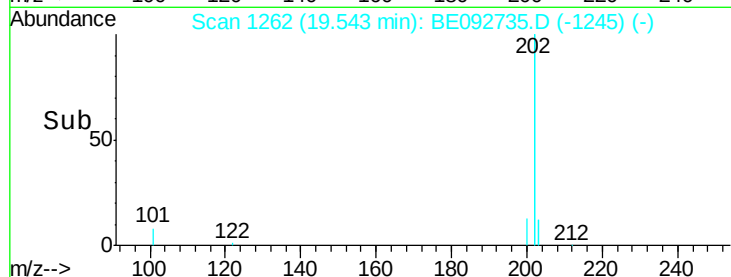
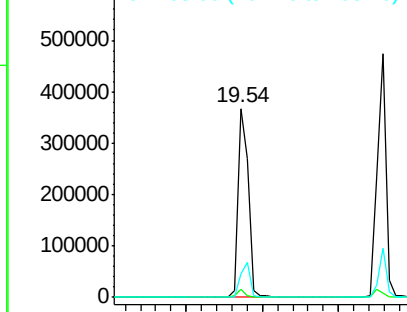
Tgt Ion:	202	Resp:	690784
Ion Ratio	Lower	Upper	
202	100		
101	3.1	2.2	3.4
203	18.0	13.7	20.5

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

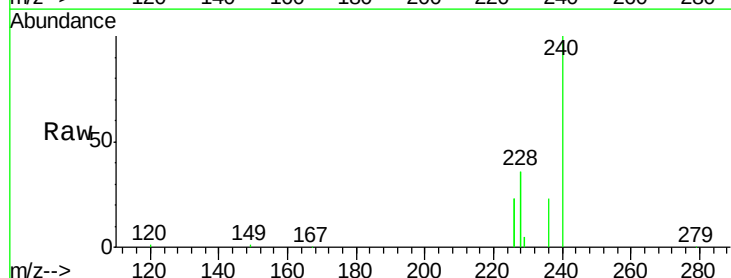
RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

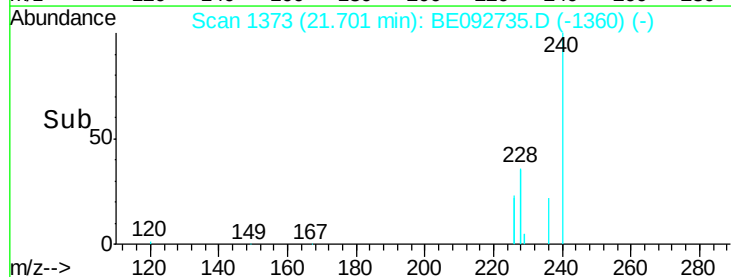
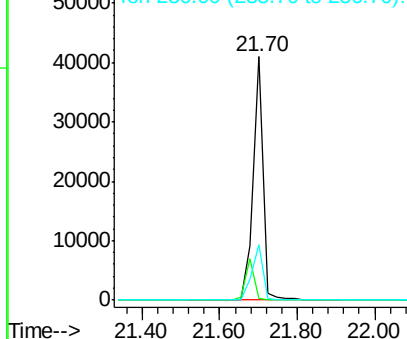
Lab File: BE092735.D

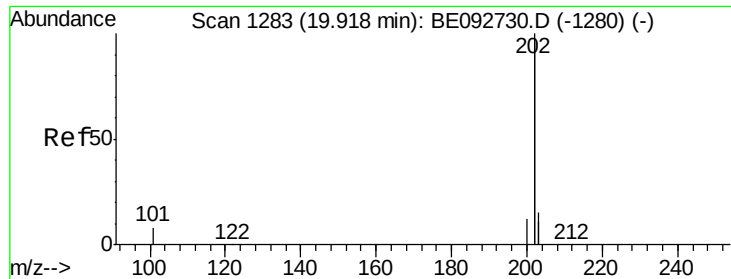
Acq: 15 Feb 2017 16:13

Tgt Ion:	240	Resp:	71105
Ion Ratio	Lower	Upper	
240	100		
120	0.7	2.6	4.0#
236	22.6	24.6	37.0#



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





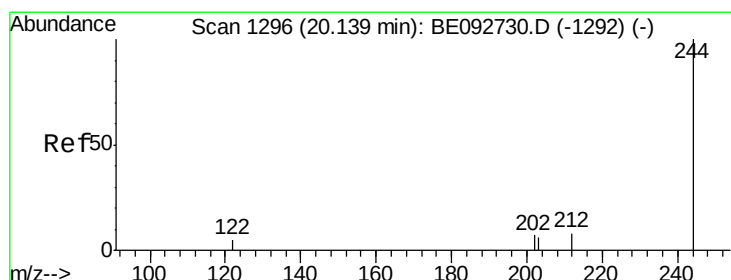
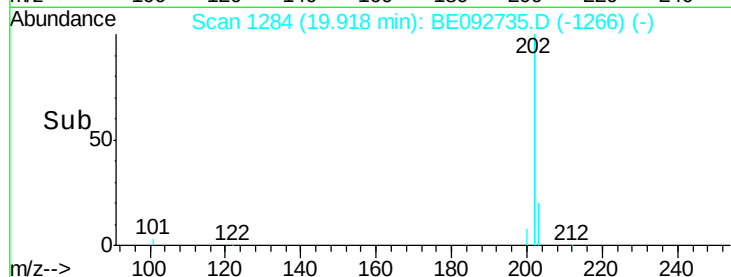
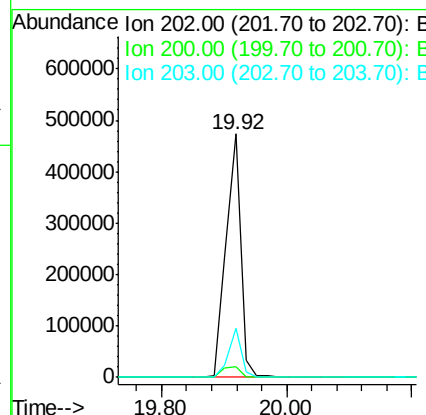
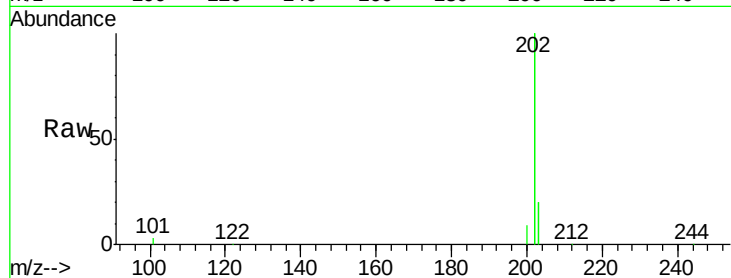
#25
 Pyrene
 Concen: 11.57 ng
 RT: 19.92 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	768350		
200	5.3	4.2	6.4	
203	17.7	13.9	20.9	

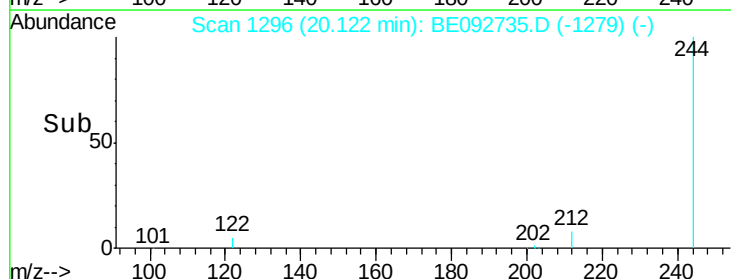
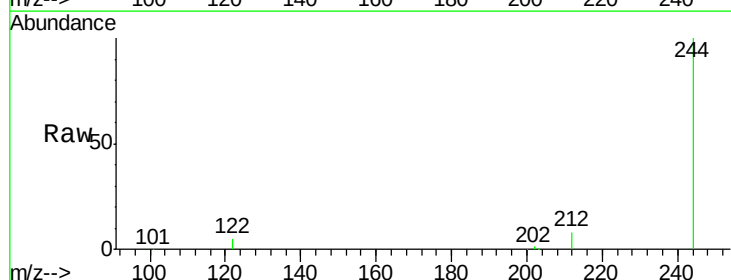
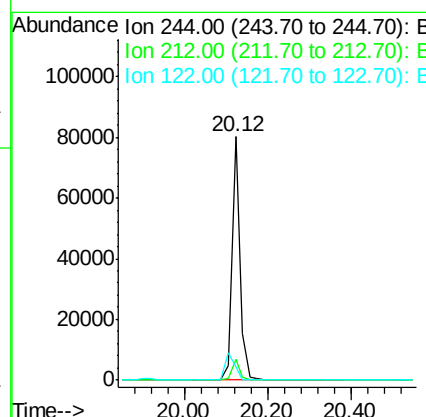
Manual Integrations
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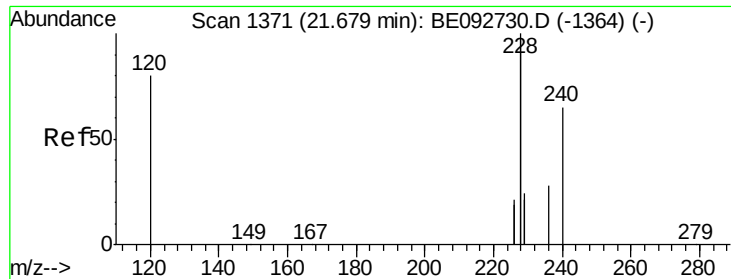
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#26
 Terphenyl-d14
 Concen: 11.85 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	105071		
212	8.4	6.7	10.1	
122	5.2	3.6	5.4	





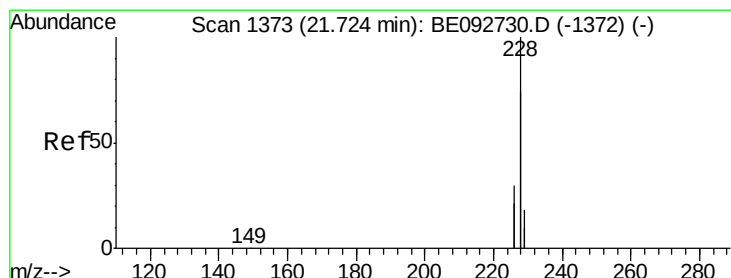
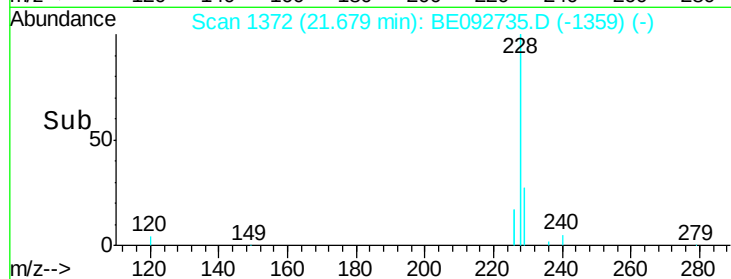
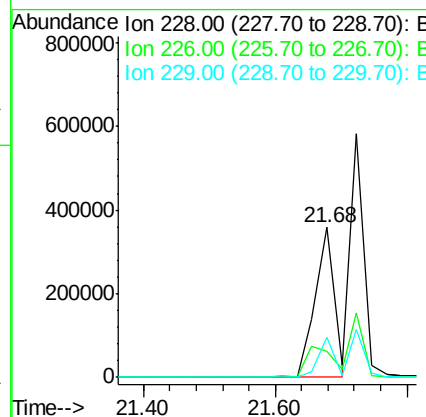
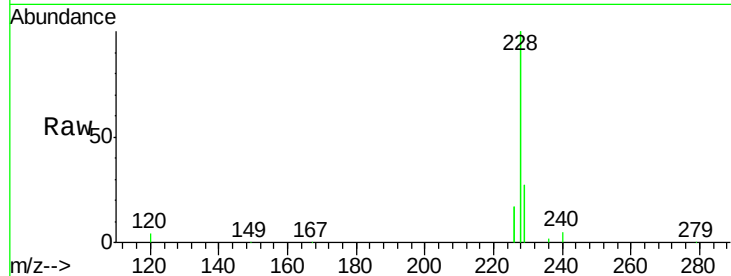
#27
Benzo(a)anthracene
Concen: 10.45 ng
RT: 21.68 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
228	100		
226	17.1	23.6	35.4#
229	27.1	13.3	19.9#

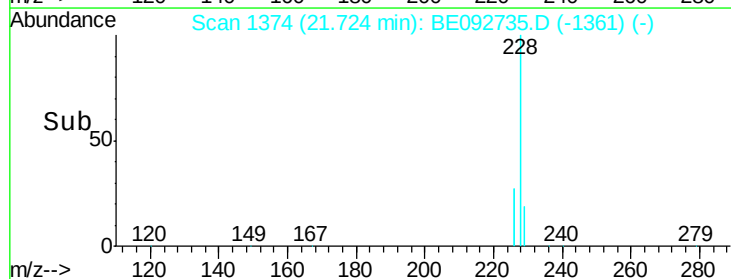
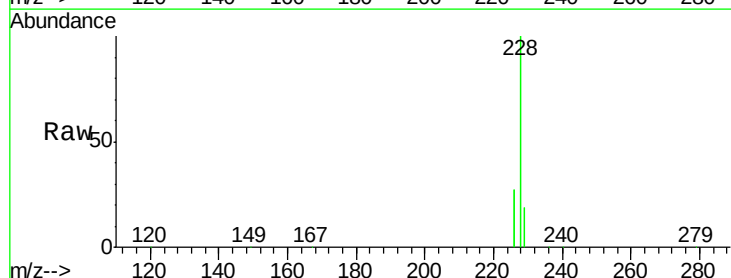
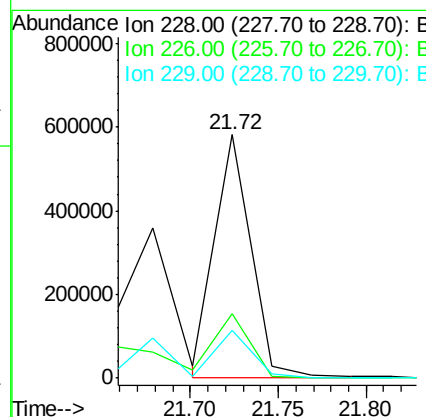
Manual Integrations
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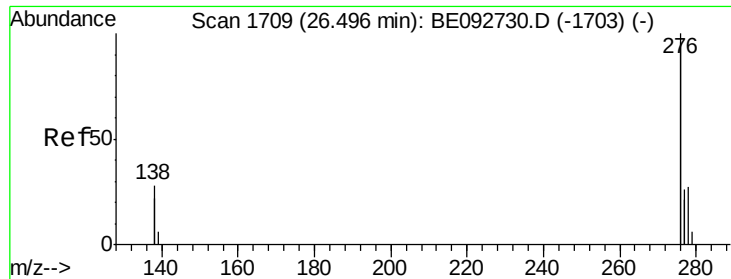
mohammad
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#28
Chrysene
Concen: 10.34 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	36.3	54.5#
229	19.4	10.6	16.0#





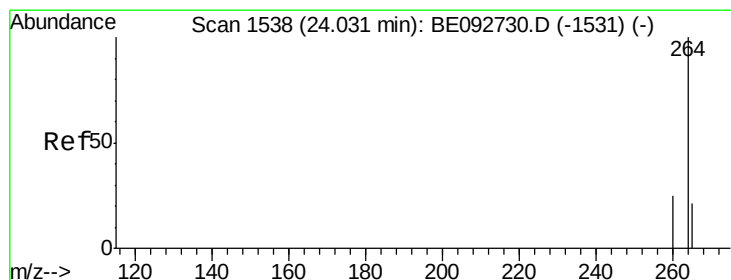
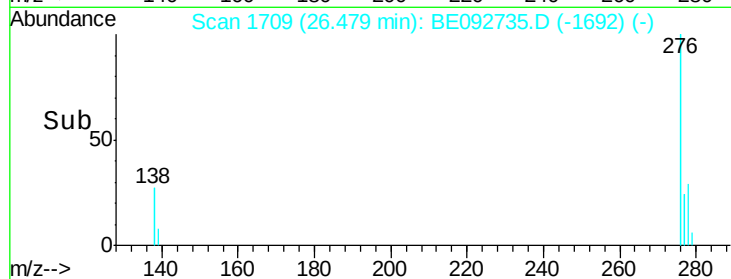
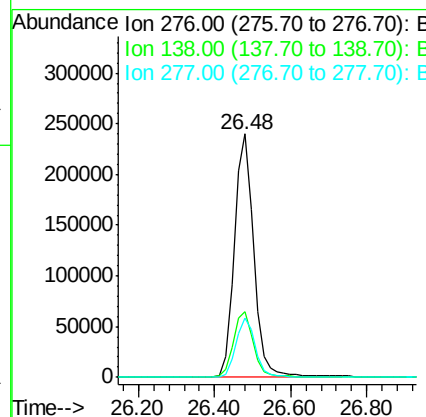
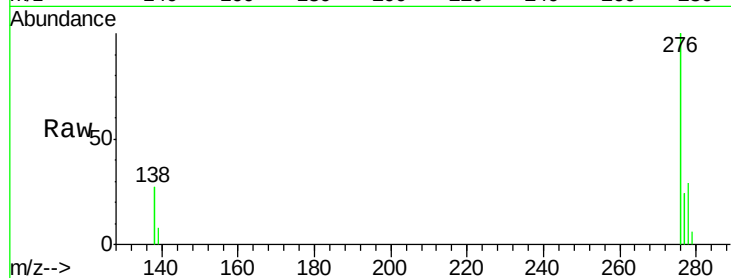
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 9.23 ng
 RT: 26.48 min Scan# 1709
 Delta R.T. -0.02 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	20.3	30.5
277	24.6	19.7	29.5

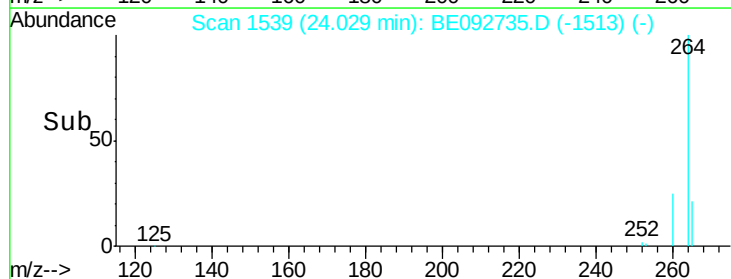
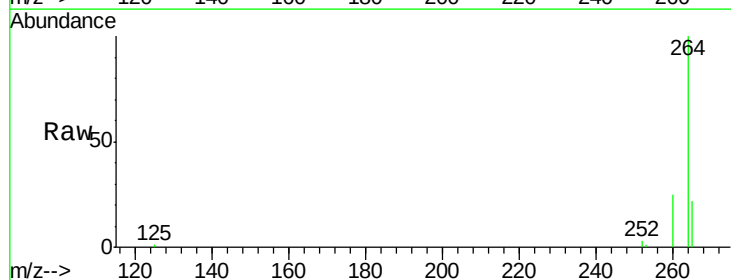
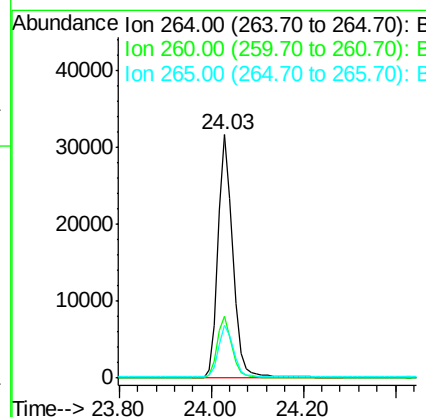
Manual Integrations
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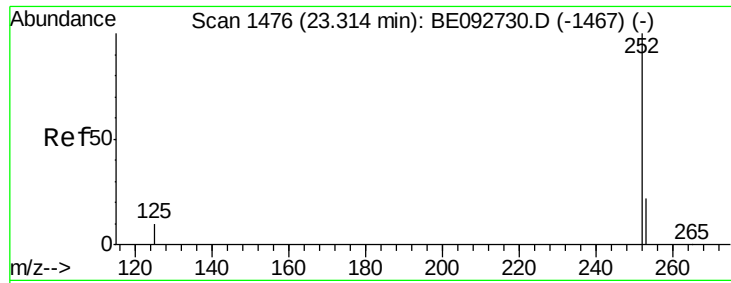
mohammad
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#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.03 min Scan# 1539
 Delta R.T. -0.00 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	21.6	17.9	26.9





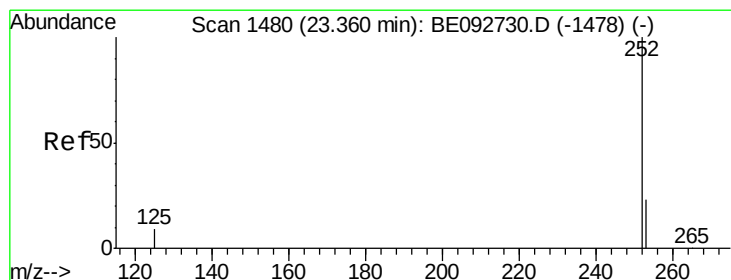
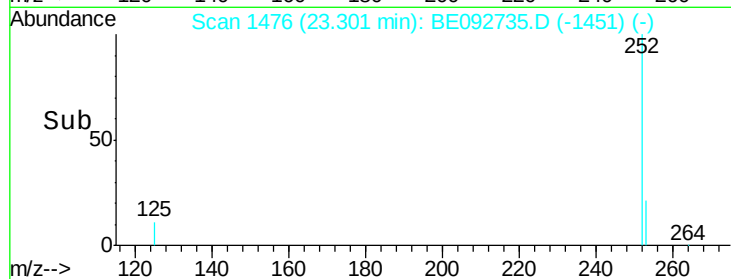
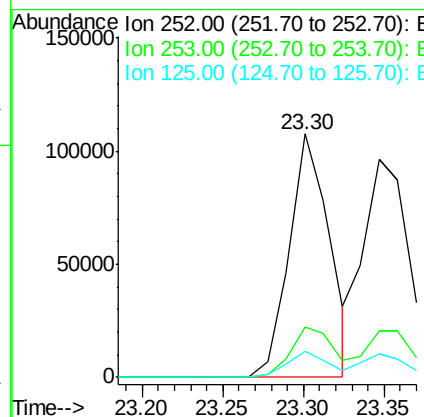
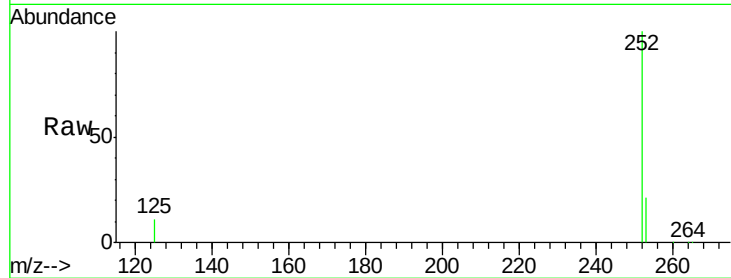
#32
Benzo(b)fluoranthene
Concen: 9.33 ng
RT: 23.30 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	187815		
253	20.7		18.7	28.1
125	10.8		10.5	15.7

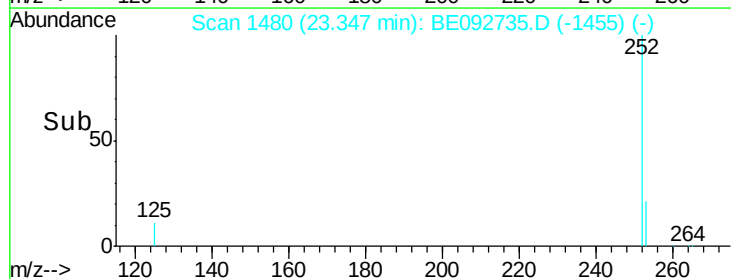
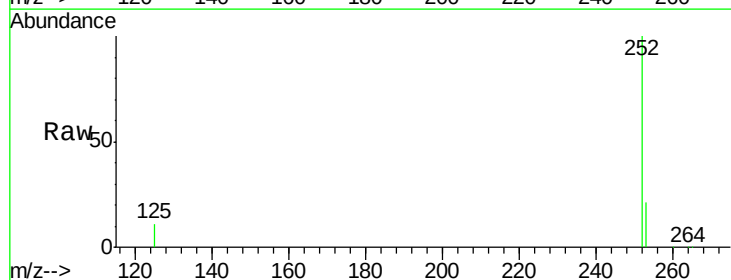
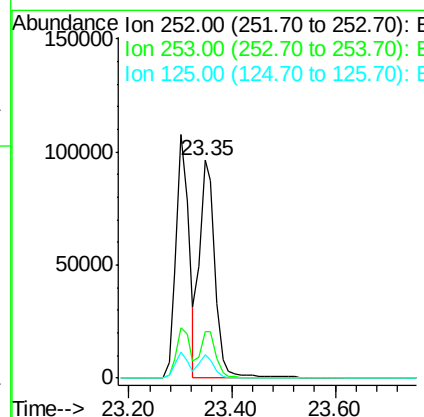
Manual Integrations
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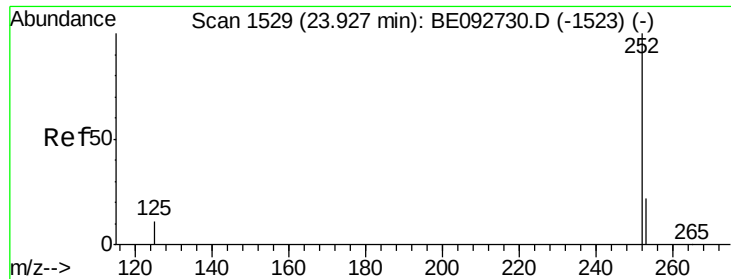
mohammad
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#33
Benzo(k)fluoranthene
Concen: 9.30 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092735.D
Acq: 15 Feb 2017 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	198065		
253	21.2		20.3	30.5
125	10.9		9.6	14.4





#34

Benzo(a)pyrene

Concen: 10.30 ng

RT: 23.91 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BE092735.D

Acq: 15 Feb 2017 16:13

Instrument :

BNA_E

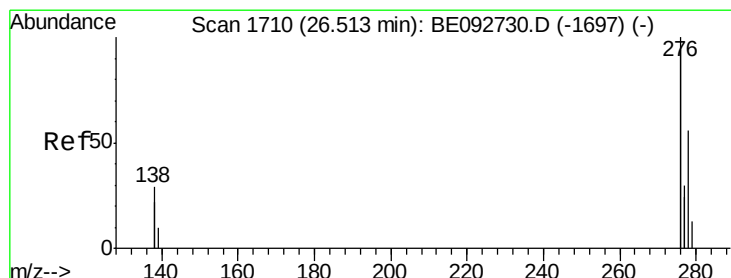
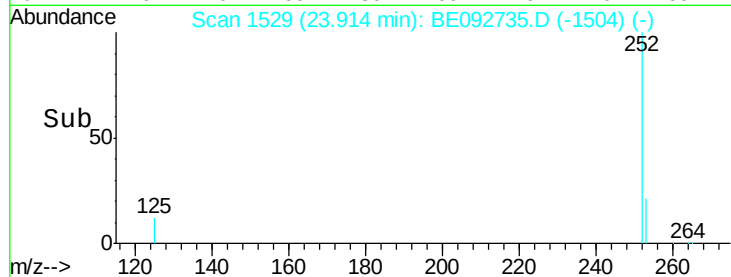
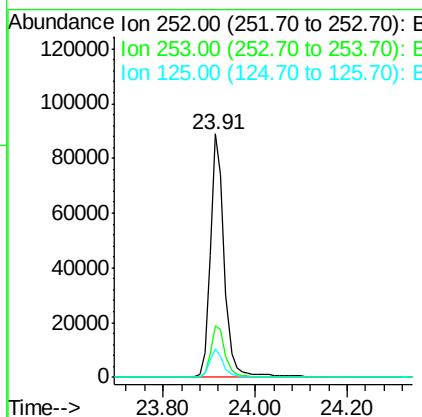
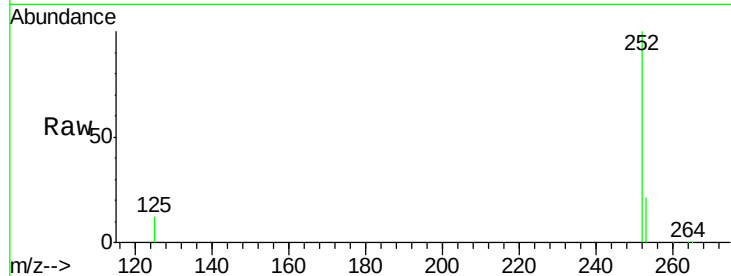
ClientSampleId :

SSTDICC010

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	19.0	28.6
125	12.0	11.8	17.8

Manual Integrations
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#35

Dibenzo(a,h)anthracene

Concen: 9.30 ng

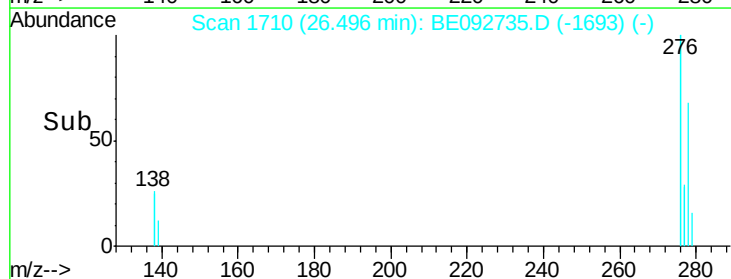
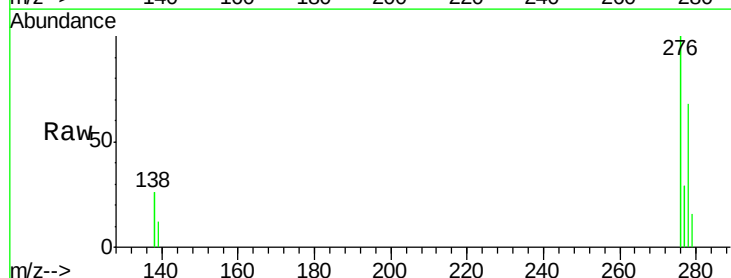
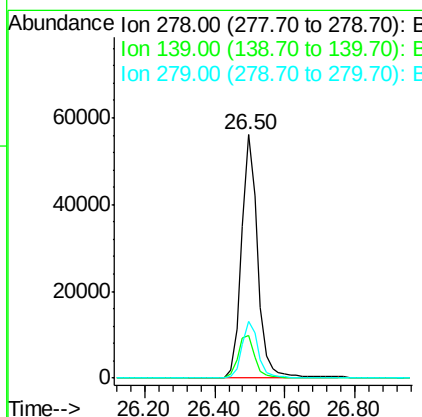
RT: 26.50 min Scan# 1710

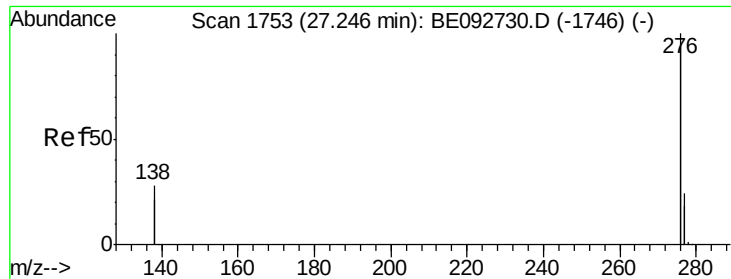
Delta R.T. -0.02 min

Lab File: BE092735.D

Acq: 15 Feb 2017 16:13

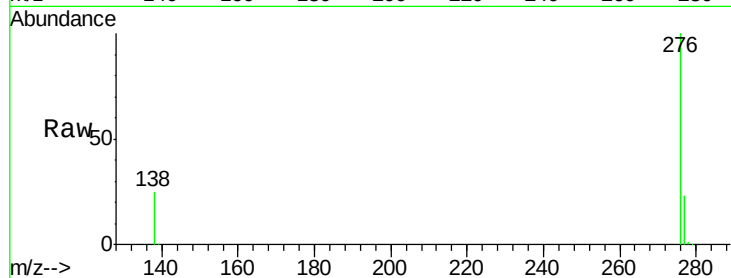
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.8	20.8
279	23.6	21.4	32.2





#36
 Benzo(g,h,i)perylene
 Concen: 9.12 ng
 RT: 27.23 min Scan# 1753
 Delta R.T. -0.02 min
 Lab File: BE092735.D
 Acq: 15 Feb 2017 16:13

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		745874		
277	22.9	19.8	29.8		
138	24.6	19.8	29.6		

Manual Integrations
 APPROVED

mohammad
 2/16/2017 11:47:20 AM

