

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094115.D
 Acq On : 25 Sep 2017 23:01
 Operator : SJ/JU
 Sample : I5340-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 LT-TS-010

Manual Integrations
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Quant Time: Sep 26 03:00:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1503	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7345	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4913	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	17765	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14824	0.40	ng	0.00
34) Perylene-d12	23.91	264	14002	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1406	0.25	ng	0.00
5) Phenol-d6	7.09	99	2095	0.26	ng	0.00
8) Nitrobenzene-d5	9.06	82	1907	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	2577	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	559	0.18	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	3480	0.21	ng	0.00
25) Fluoranthene-d10	19.27	212	30516	0.18	ng	0.00
29) Terphenyl-d14	19.85	244	4430	0.16	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.74	128	2731	0.033	ng	# 92
12) 2-Methylnaphthalene	12.34	142	457	0.034	ng	# 87
16) Acenaphthylene	14.23	152	5066	0.206	ng	99
17) Acenaphthene	14.57	154	767	0.050	ng	98
18) Fluorene	15.56	166	1378m	0.066	ng	
23) Phenanthrene	17.27	178	47933	1.055	ng	98
24) Anthracene	17.37	178	6777	0.142	ng	# 92
26) Fluoranthene	19.29	202	101861	2.000	ng	99
28) Pyrene	19.65	202	101802	2.167	ng	# 96
30) Benzo(a)anthracene	21.38	228	47164	0.945	ng	97
31) Chrysene	21.44	228	56903	1.181	ng	97
33) Indeno(1,2,3-cd)pyrene	26.55	276	32492	0.630	ng	97
35) Benzo(b)fluoranthene	23.14	252	70024	1.386	ng	96
36) Benzo(k)fluoranthene	23.19	252	24470m	0.506	ng	
37) Benzo(a)pyrene	23.79	252	47525	1.041	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	8117	0.188	ng	# 75
39) Benzo(a,h,i)perylene	27.37	276	33330	0.779	ng	100

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

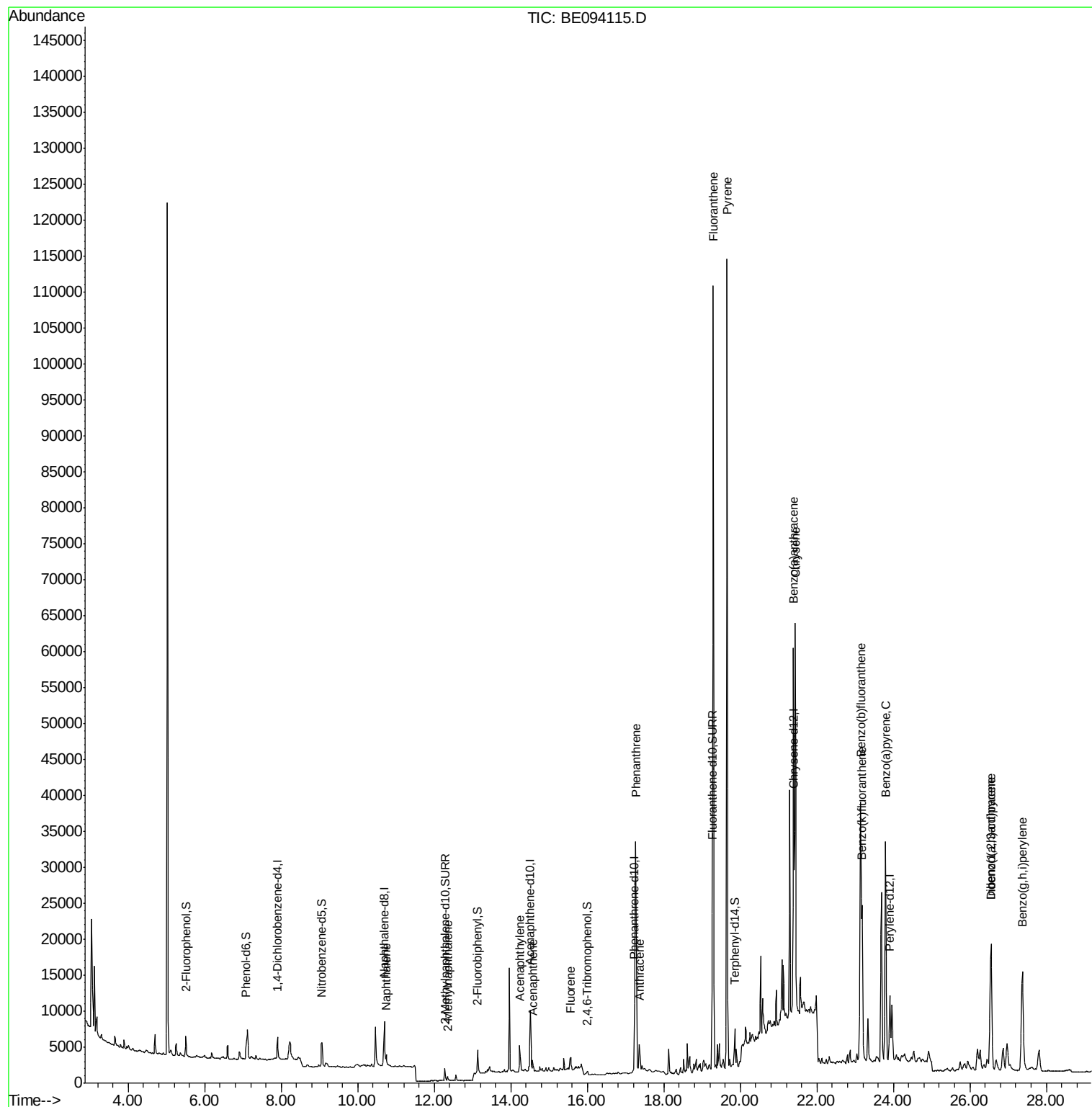
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
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ALS Vial : 9 Sample Multiplier: 1

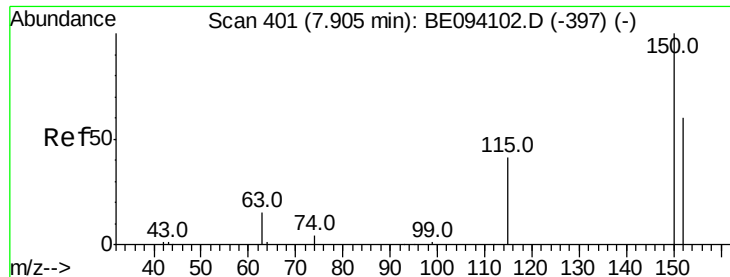
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

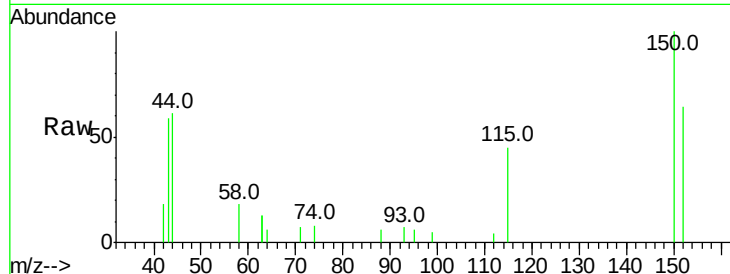
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.91 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: BE094115.D
 Acq: 25 Sep 2017 23:01

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-010

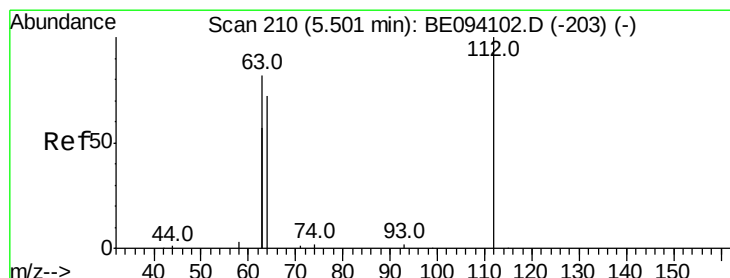
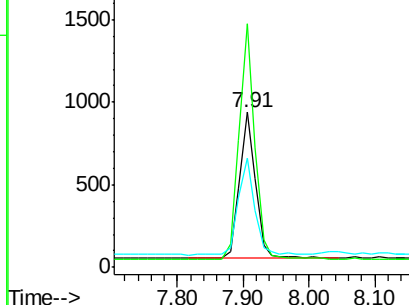
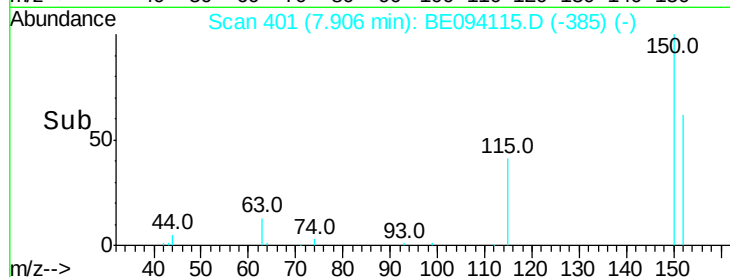
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	117.2	175.8
115	70.2	57.0	85.6

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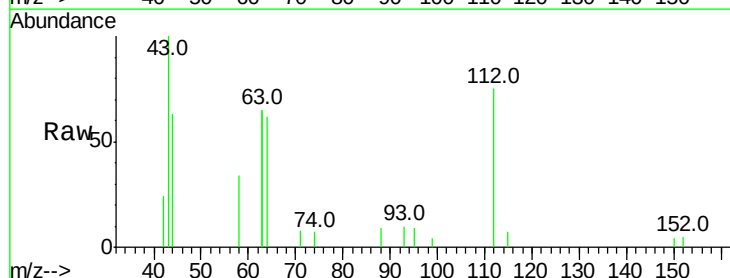
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



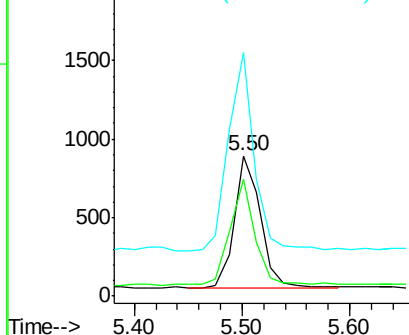
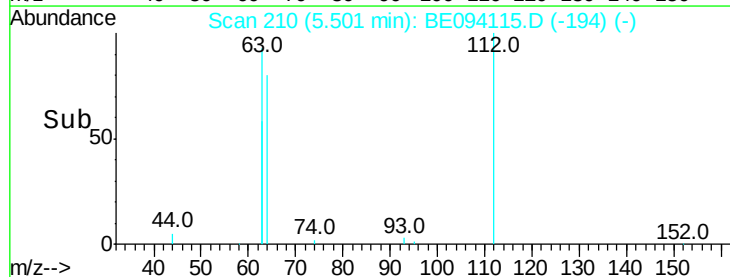
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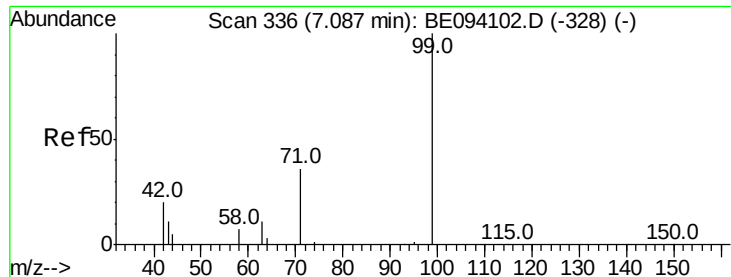
2-Fluorophenol
 Concen: 0.247 ng
 RT: 5.50 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: BE094115.D
 Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.9	60.1	90.1
63	150.6	116.8	175.2



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.265 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

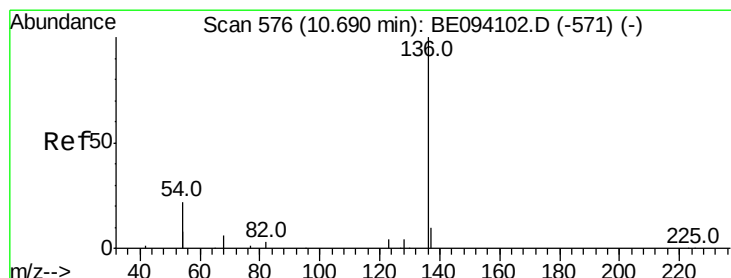
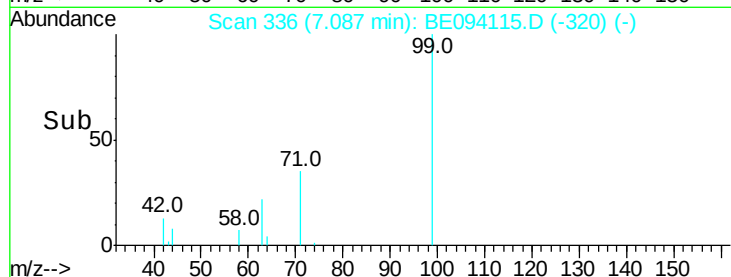
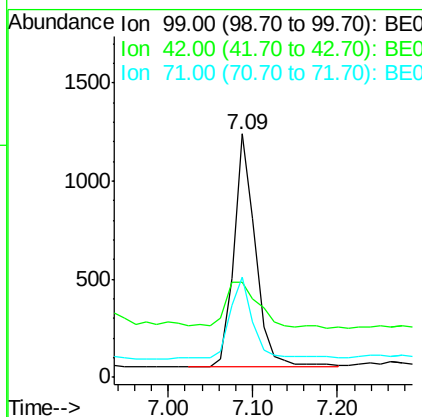
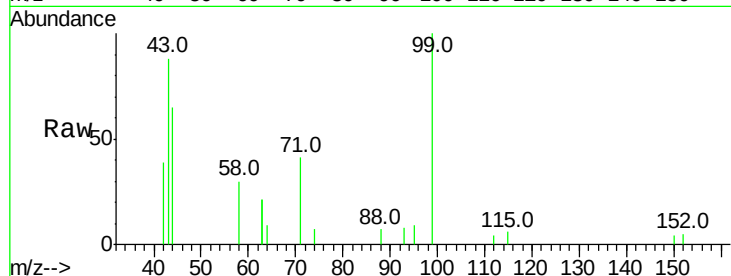
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Tot Ion:	99	Resp:	2095
Ion	Ratio	Lower	Upper
99	100		
42	28.1	20.2	30.2
71	39.9	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

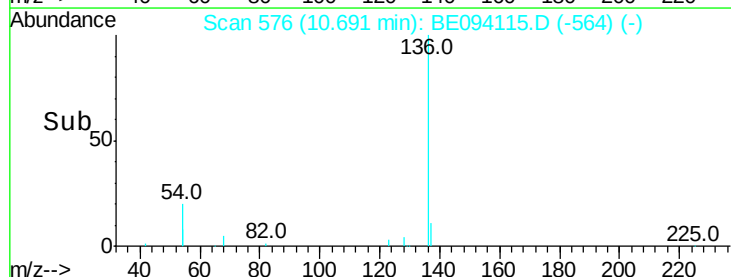
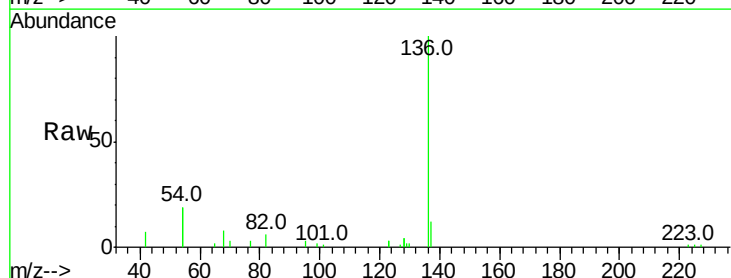
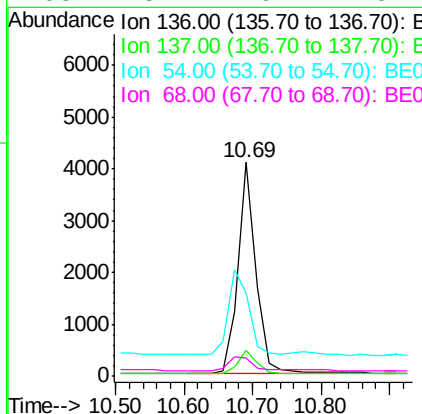
RT: 10.69 min Scan# 576

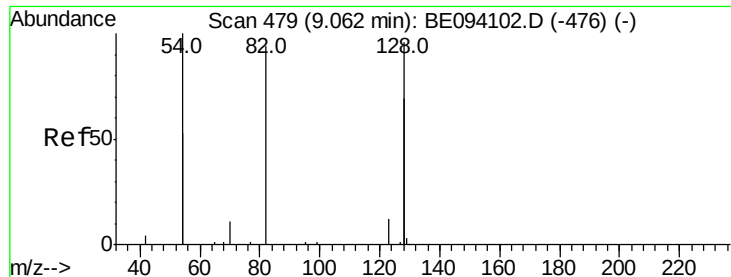
Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Tgt Ion:	136	Resp:	7345
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	38.9	29.1	43.7
68	8.1	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.268 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

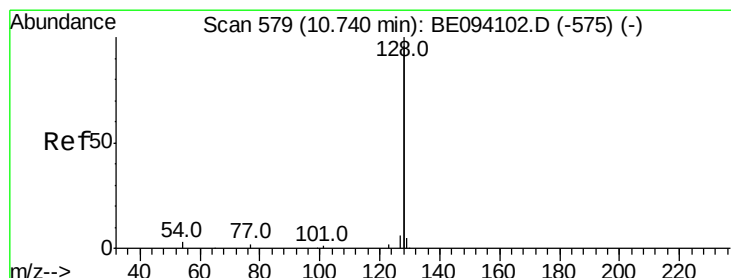
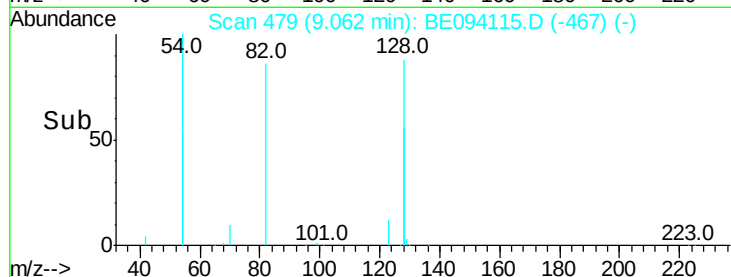
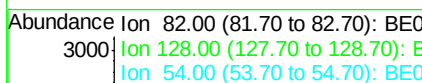
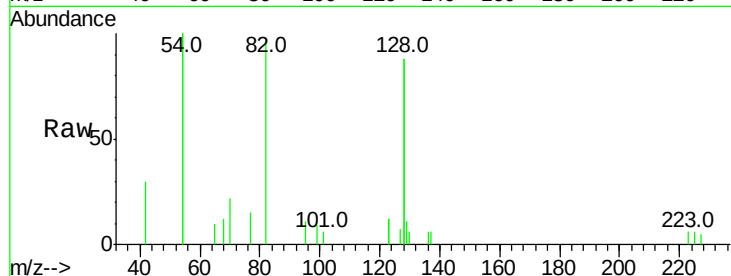
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Tot Ion:	82	Resp:	1907
Ion	Ratio	Lower	Upper
82	100		
128	181.8	150.0	225.0
54	206.5	154.2	231.4

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#9

Naphthalene

Concen: 0.033 ng

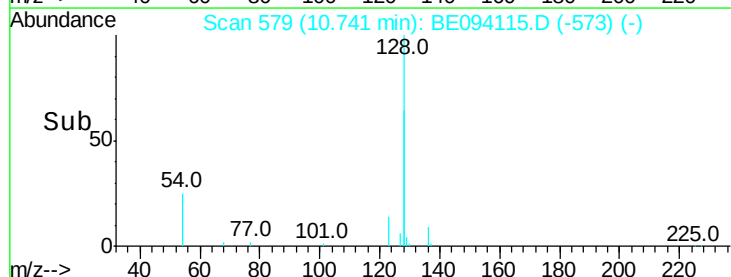
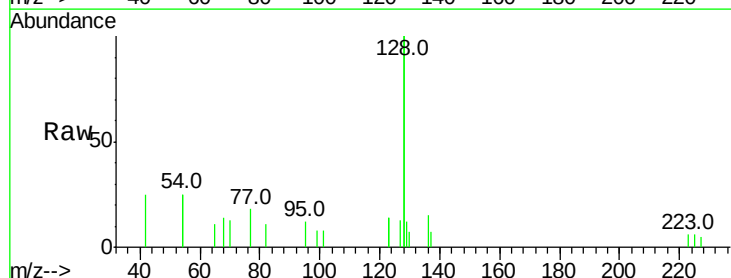
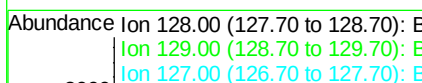
RT: 10.74 min Scan# 579

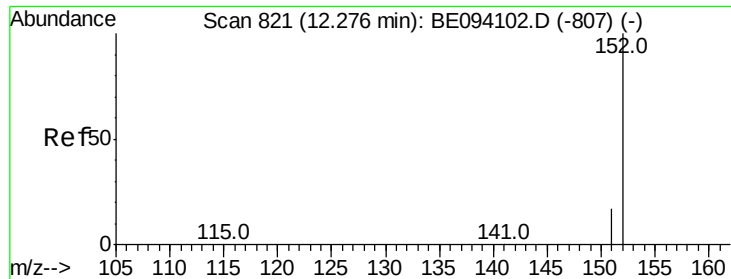
Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Tgt Ion:	128	Resp:	2731
Ion	Ratio	Lower	Upper
128	100		
129	6.0	2.6	3.8#
127	6.3	2.8	4.2#





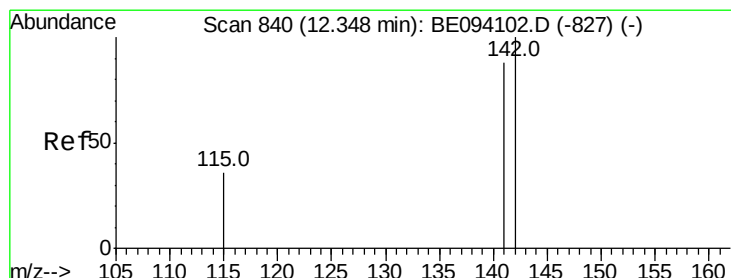
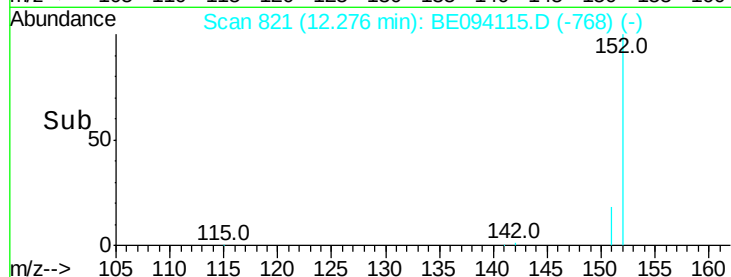
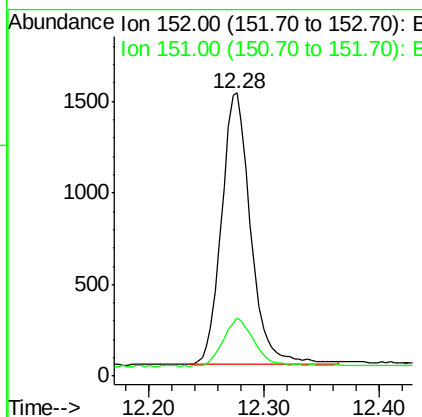
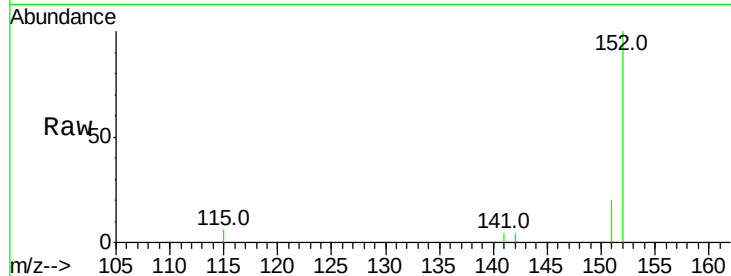
#11
2-Methylnaphthalene-d10
Concen: 0.228 ng
RT: 12.28 min Scan# 821
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion:152 Resp: 2577
Ion Ratio Lower Upper
152 100
151 18.7 15.4 23.0

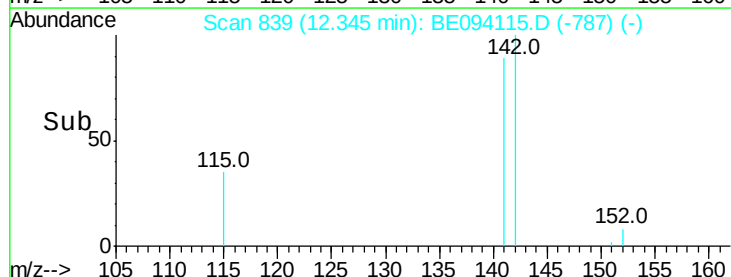
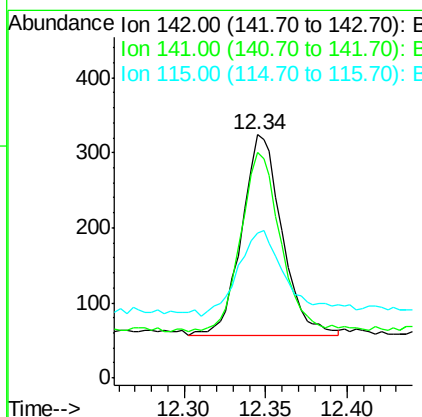
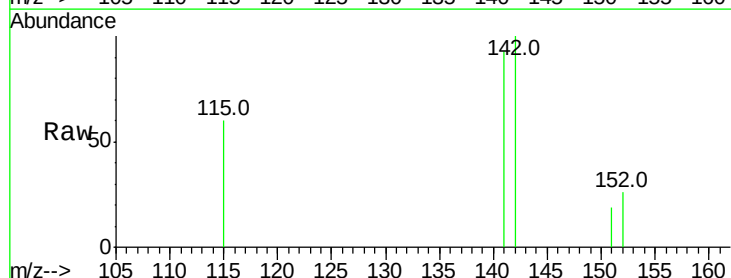
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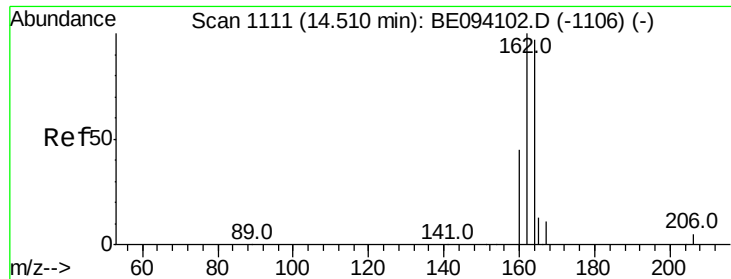
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#12
2-Methylnaphthalene
Concen: 0.034 ng
RT: 12.34 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion:142 Resp: 457
Ion Ratio Lower Upper
142 100
141 92.6 70.4 105.6
115 59.6 31.7 47.5#





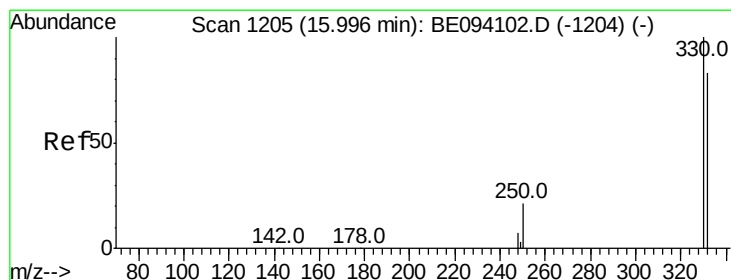
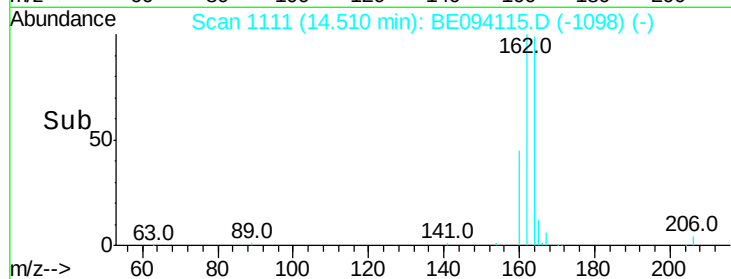
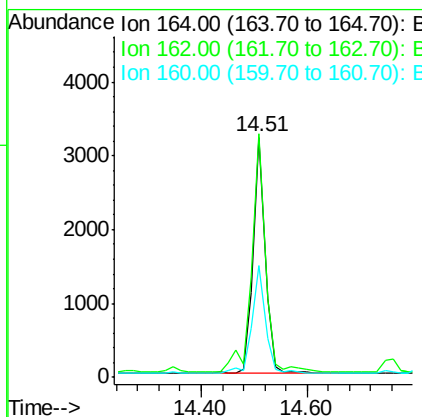
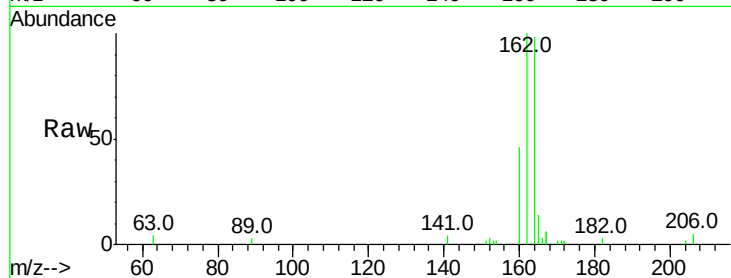
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.1	124.7
160	46.7	37.1	55.7

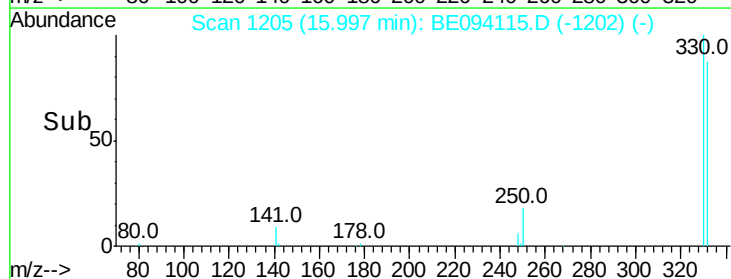
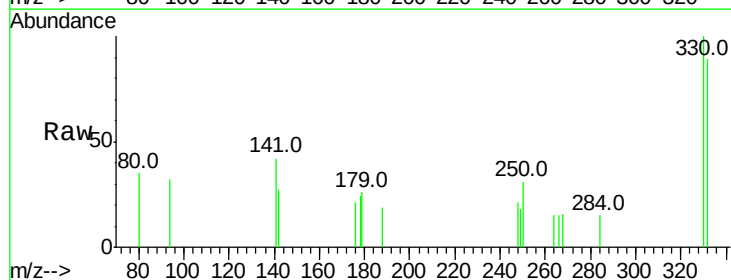
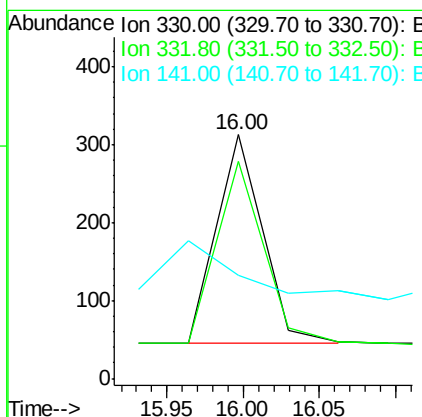
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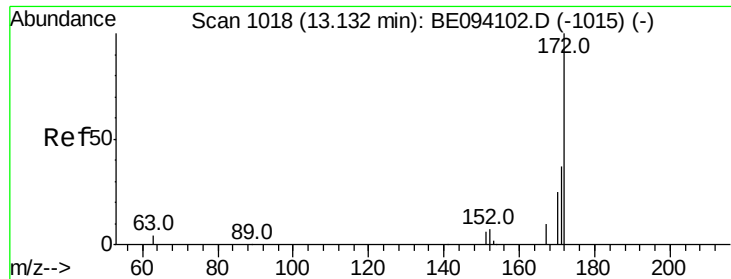
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#14
2,4,6-Tribromophenol
Concen: 0.177 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.3	152.7	229.1#
141	0.0	33.7	50.5#





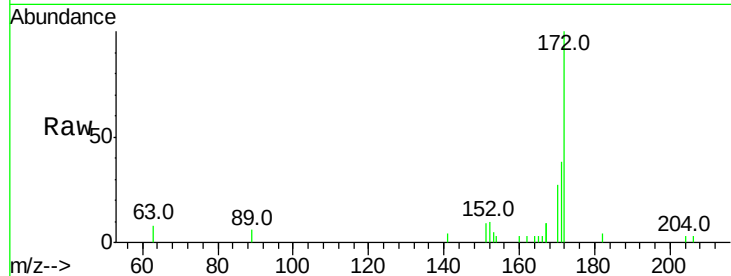
#15
2-Fluorobiphenyl
Concen: 0.214 ng
RT: 13.13 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampled :
LT-TS-010

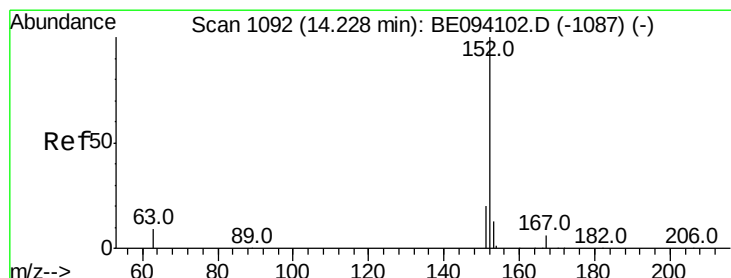
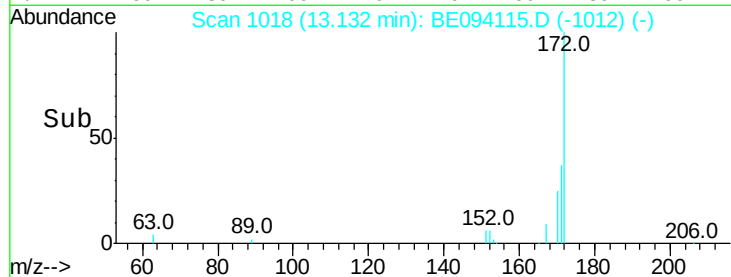
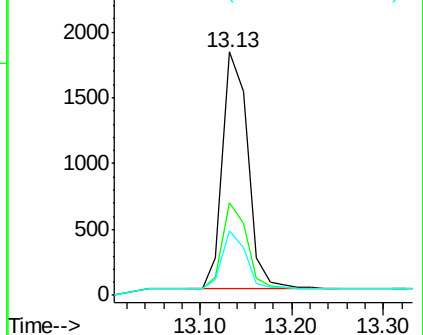
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.2	29.9	44.9
170	26.6	21.8	32.8

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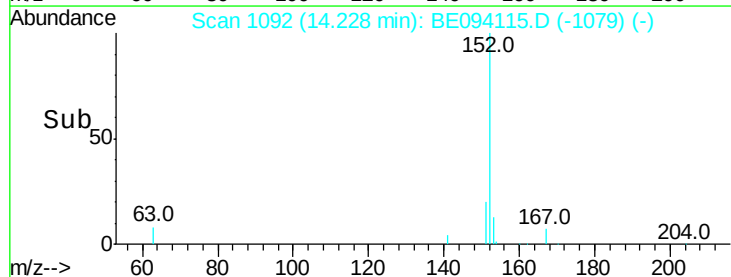
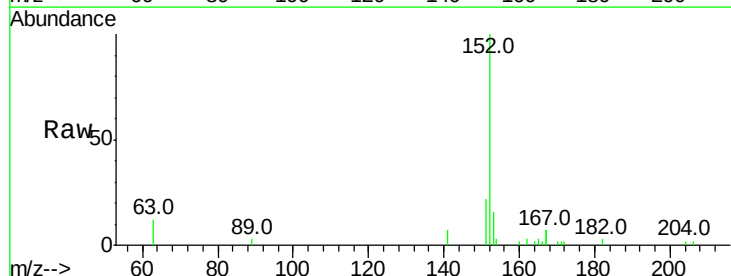
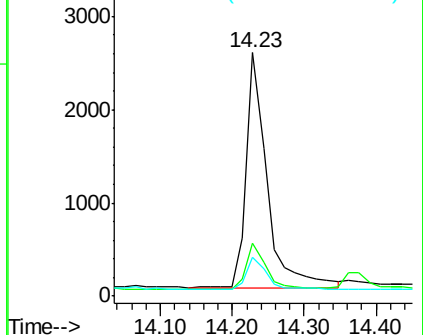
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

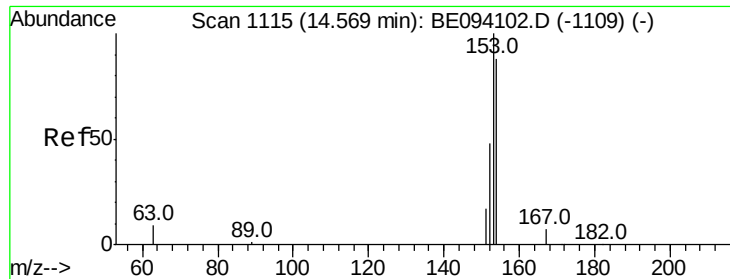


#16
Acenaphthylene
Concen: 0.206 ng
RT: 14.23 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.7	10.5	15.7

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





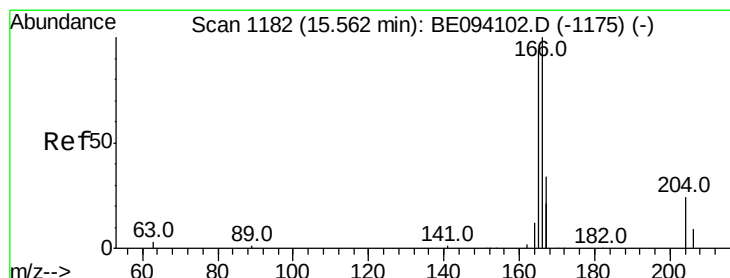
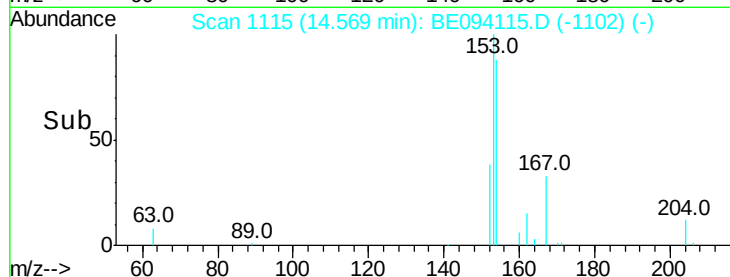
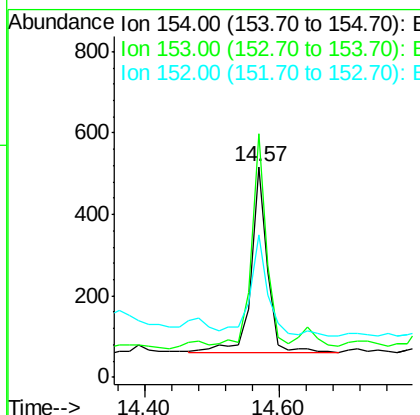
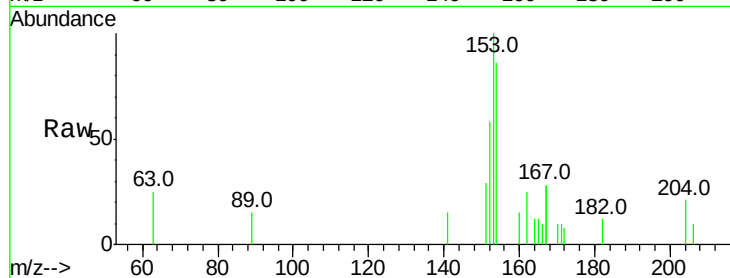
#17
Acenaphthene
Concen: 0.050 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.8	89.2	133.8
152	55.5	42.0	63.0

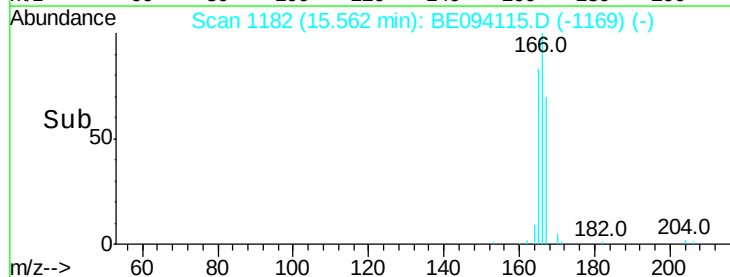
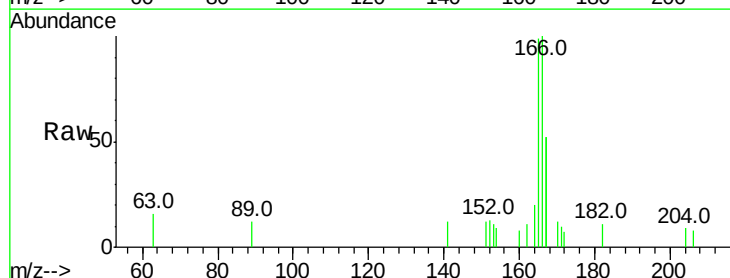
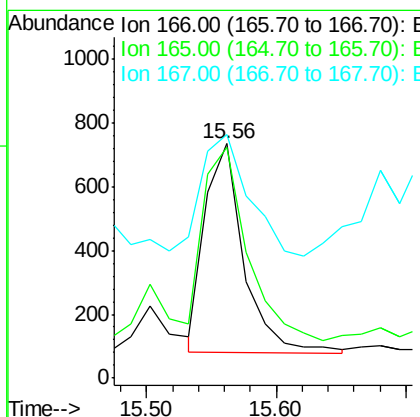
Manual Integrations
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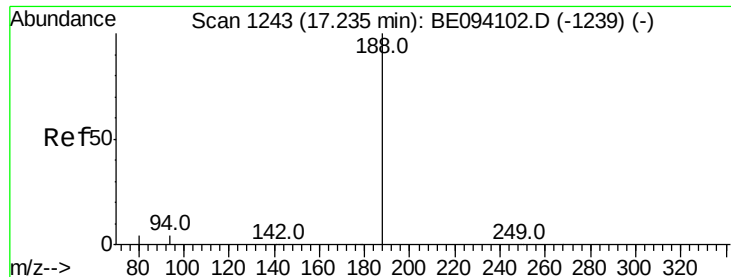
Sohil
9/26/2017 5:03:55 PM



#18
Fluorene
Concen: 0.066 ng m
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	135.6	77.8	116.6#
167	70.3	42.4	63.6#





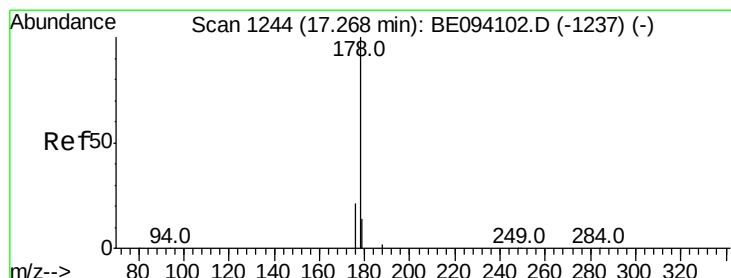
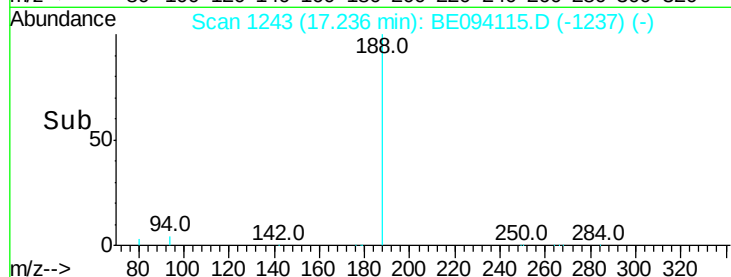
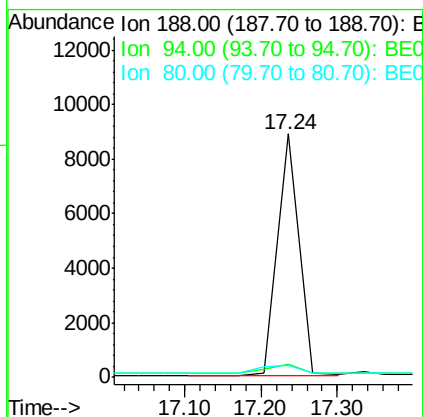
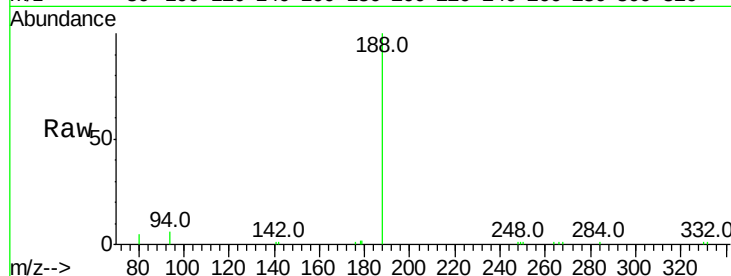
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Resp	Lower	Upper
188	100	17765		
94	5.5		3.9	5.9
80	5.0		3.6	5.4

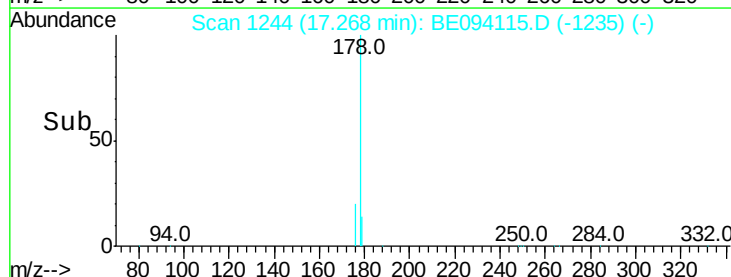
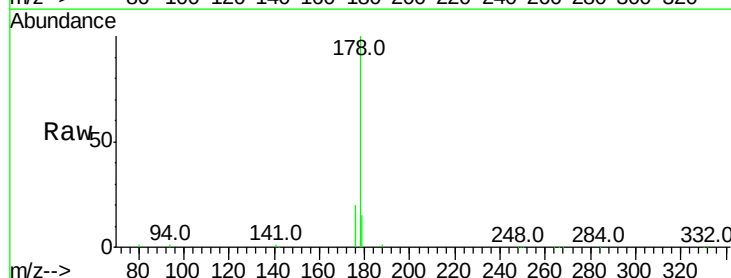
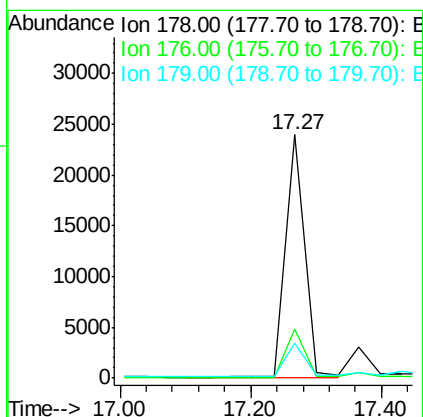
Manual Integrations
APPROVED

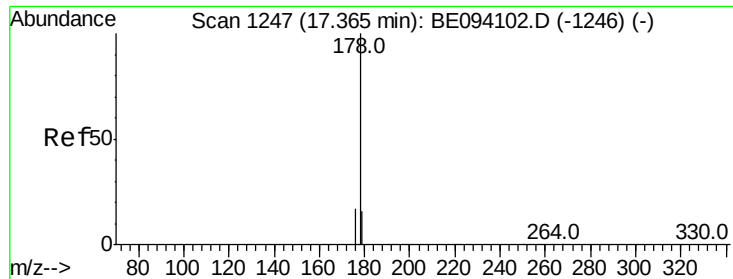
Sohil
9/26/2017 5:03:55 PM



#23
Phenanthrene
Concen: 1.055 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	47933		
176	20.0		15.1	22.7
179	15.5		11.8	17.6





#24

Anthracene

Concen: 0.142 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

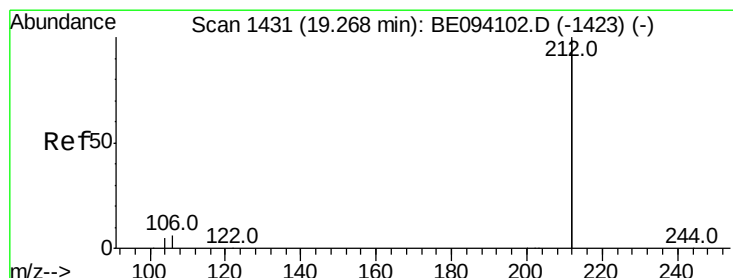
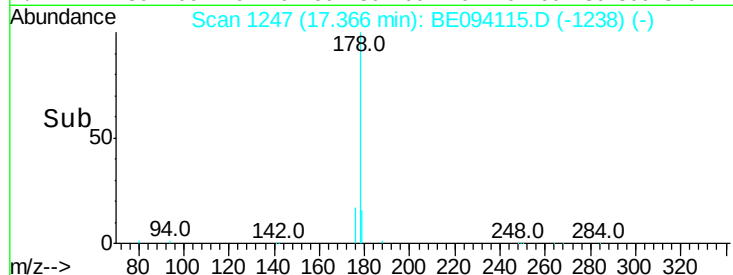
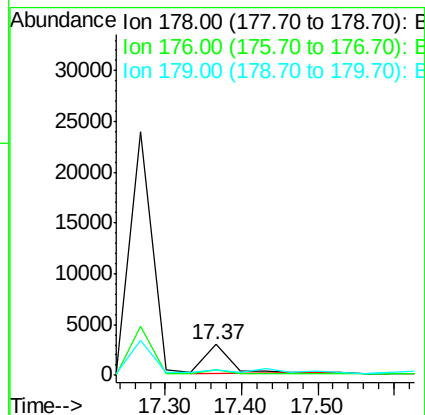
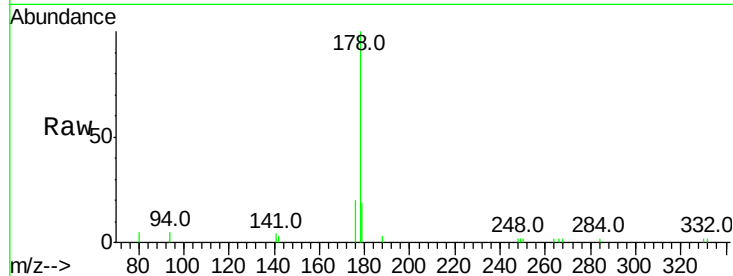
LT-TS-010

Tot Ion:178 Resp: 6777

Ion	Ratio	Lower	Upper
178	100		
176	17.5	12.8	19.2
179	11.1	13.0	19.6#

Manual Integrations
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9/26/2017 5:03:55 PM



#25

Fluoranthene-d10

Concen: 0.177 ng

RT: 19.27 min Scan# 1431

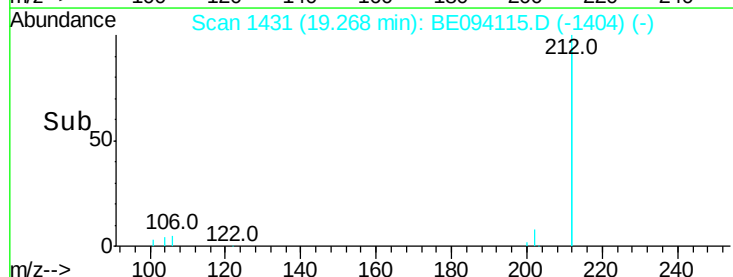
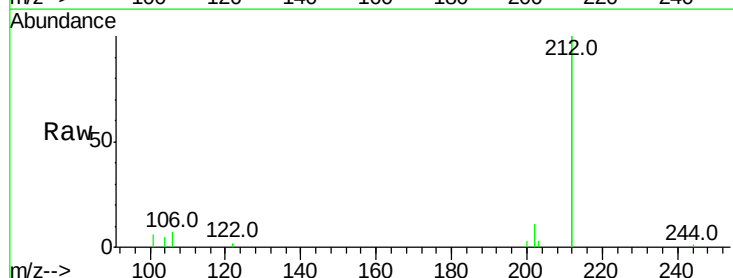
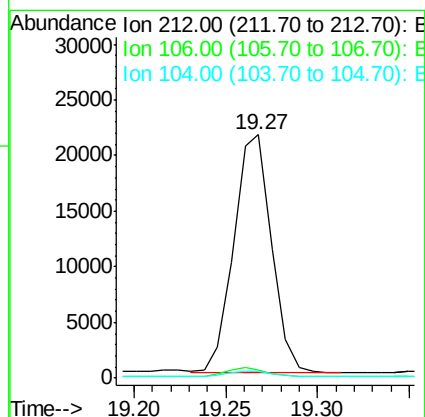
Delta R.T. 0.00 min

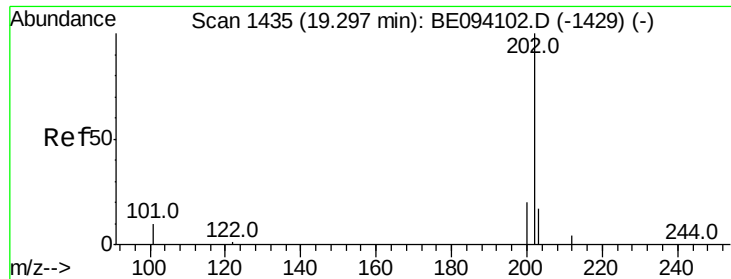
Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Tgt Ion:212 Resp: 30516

Ion	Ratio	Lower	Upper
212	100		
106	3.9	2.8	4.2
104	3.0	1.6	2.4#





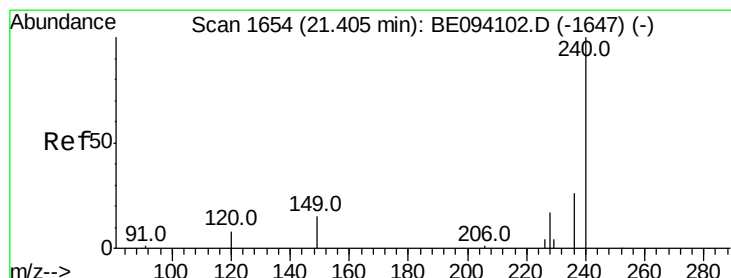
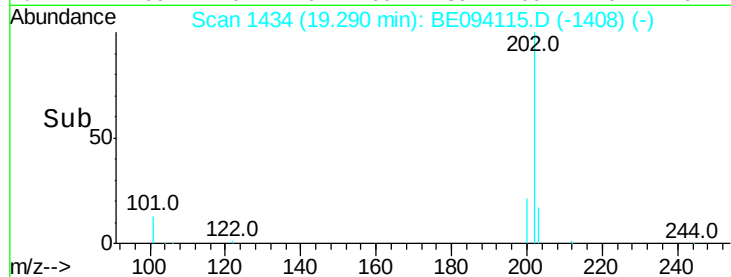
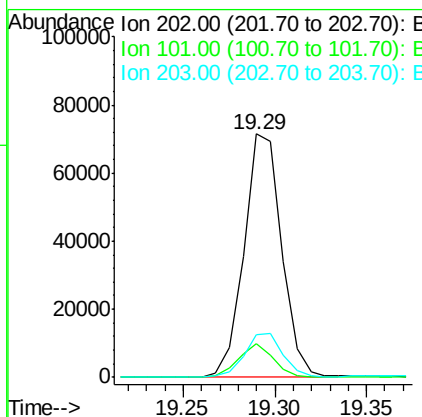
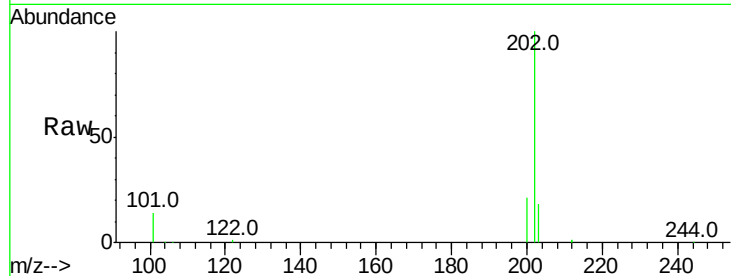
#26
 Fluoranthene
 Concen: 2.000 ng
 RT: 19.29 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BE094115.D
 Acq: 25 Sep 2017 23:01

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-010

Tot Ion:	202	Resp:	101861
Ion Ratio	Lower	Upper	
202	100		
101	12.5	9.8	14.8
203	17.7	13.7	20.5

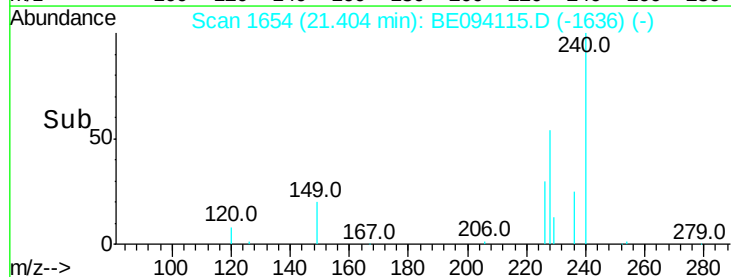
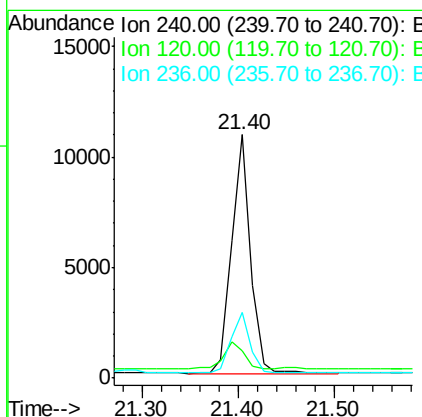
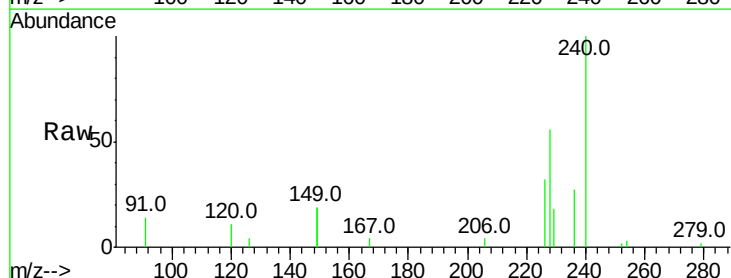
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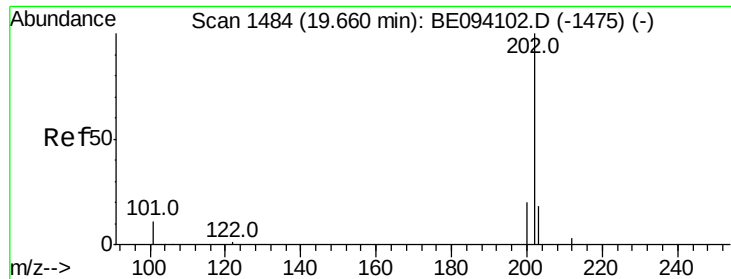
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094115.D
 Acq: 25 Sep 2017 23:01

Tgt Ion:	240	Resp:	14824
Ion Ratio	Lower	Upper	
240	100		
120	11.1	5.5	8.3#
236	27.1	20.7	31.1





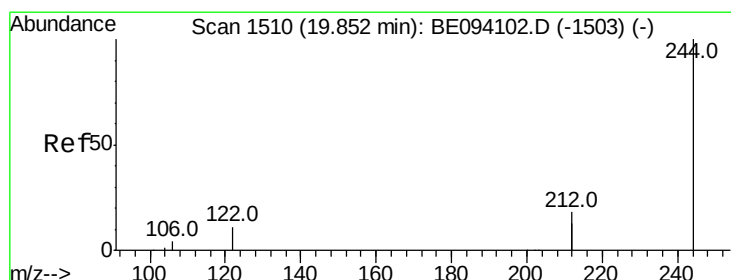
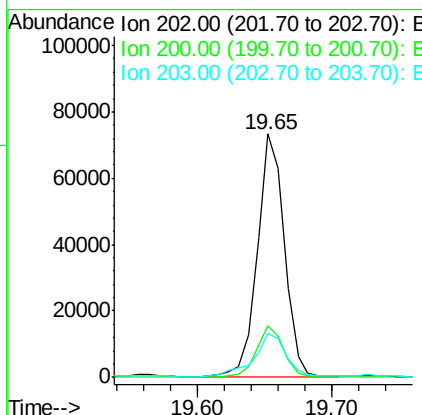
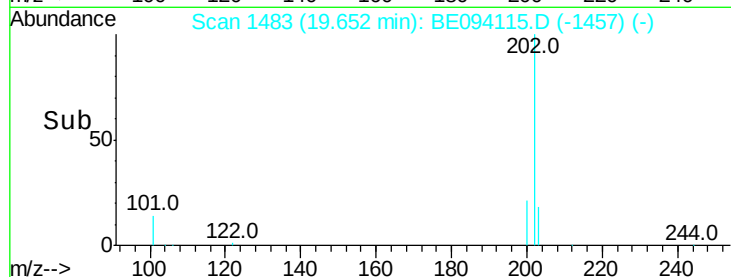
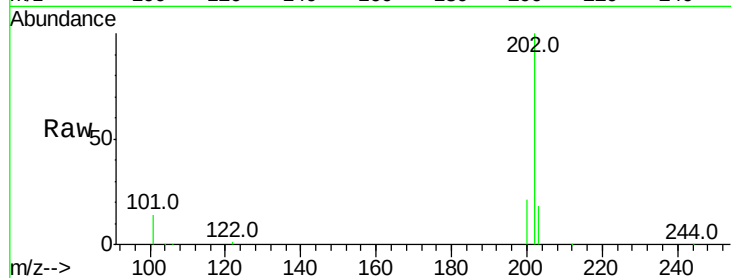
#28
Pvrene
Concen: 2.167 ng
RT: 19.65 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	16.6	25.0
203	21.2	13.8	20.8

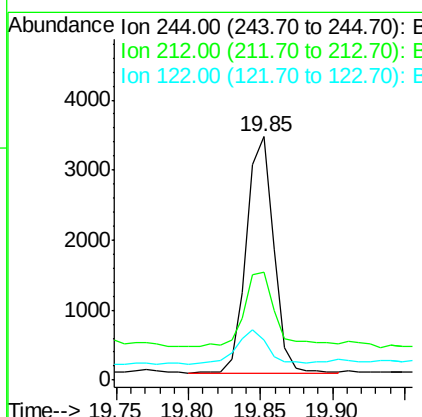
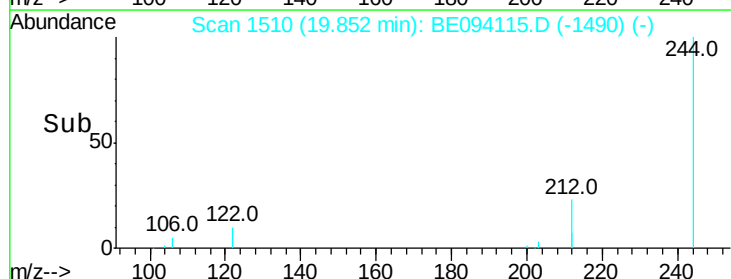
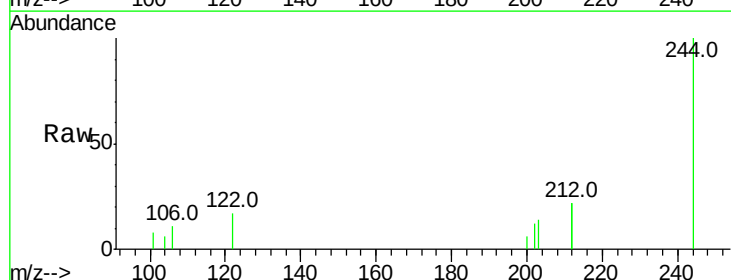
Manual Integrations
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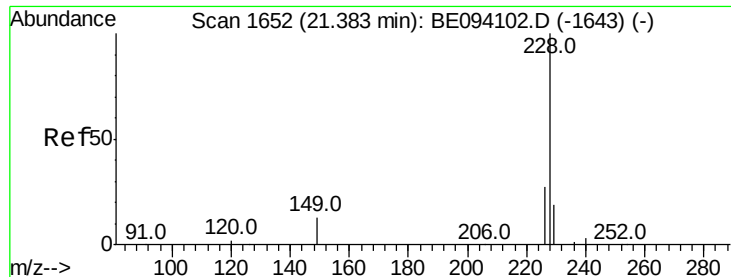
Sohil
9/26/2017 5:03:55 PM



#29
Terphenyl-d14
Concen: 0.164 ng
RT: 19.85 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	44.3	25.4	38.0
122	16.7	8.1	12.1





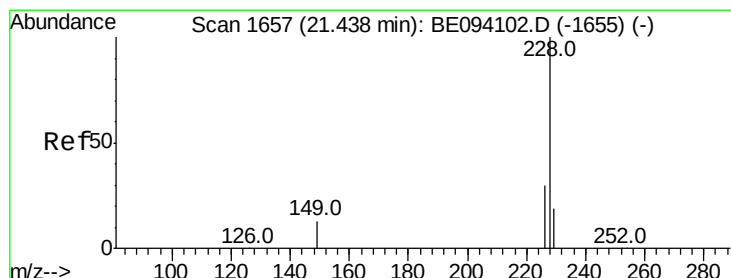
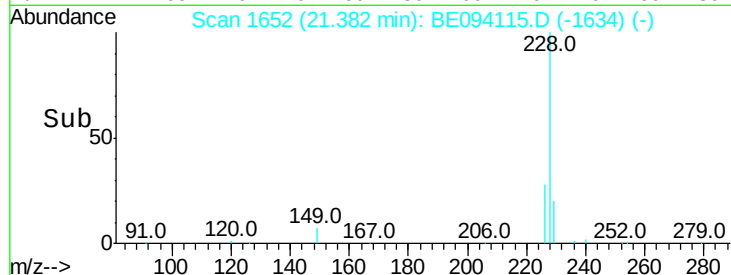
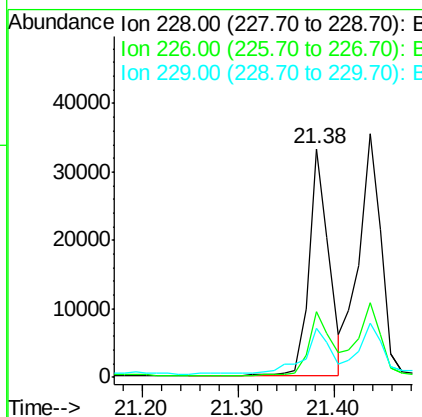
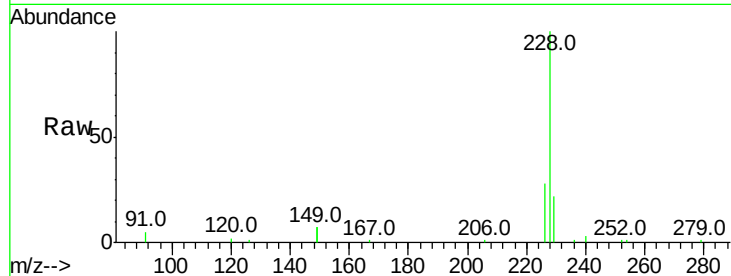
#30
Benzo(a)anthracene
Concen: 0.945 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.0
229	21.7	16.4	24.6

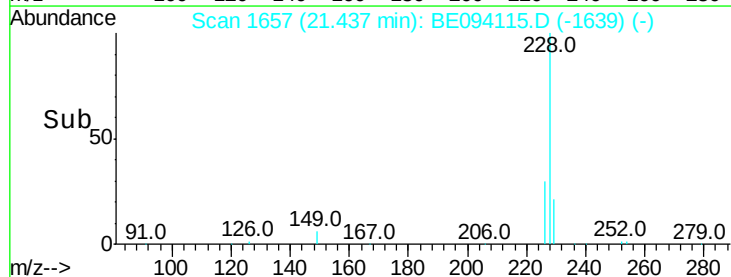
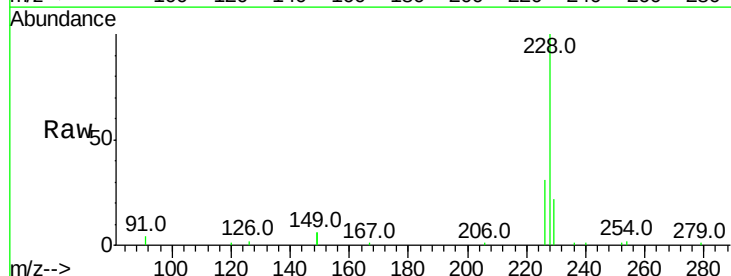
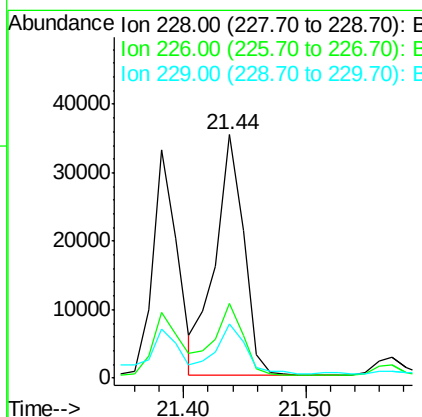
Manual Integrations
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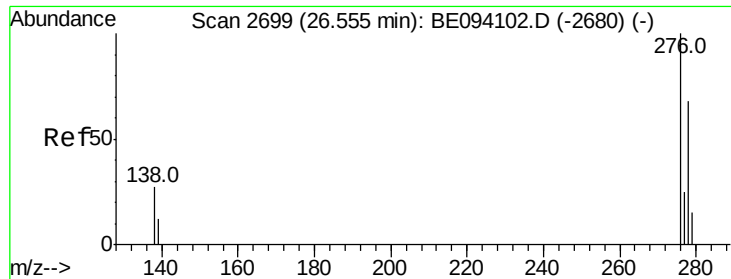
Sohil
9/26/2017 5:03:55 PM



#31
Chrysene
Concen: 1.181 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.6	35.4
229	22.2	16.4	24.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.630 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampled :

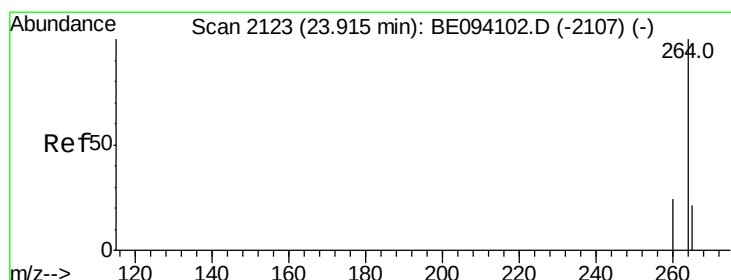
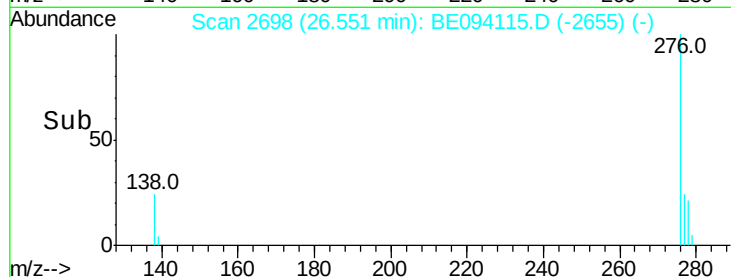
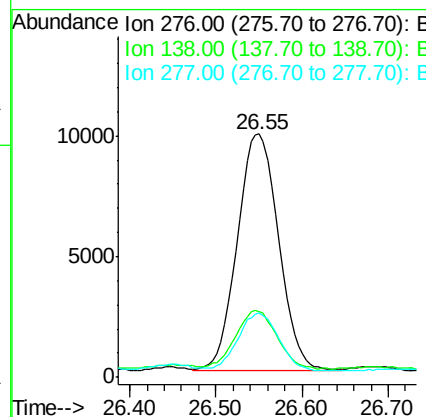
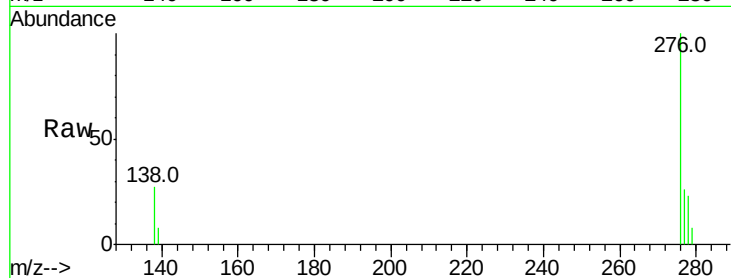
LT-TS-010

Tot Ion:	276	Resp:	32492
Ion Ratio	Lower	Upper	
276	100		
138	25.2	22.5	33.7
277	24.6	19.9	29.9

Manual Integrations
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#34

Perylene-d12

Concen: 0.400 ng

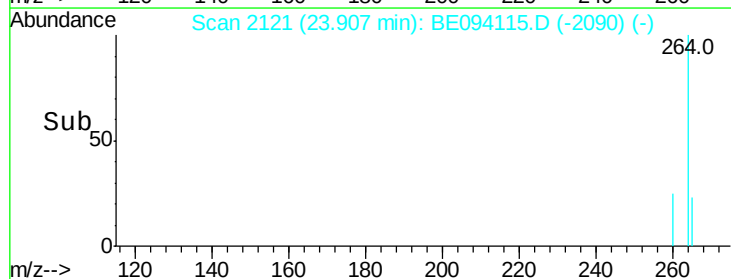
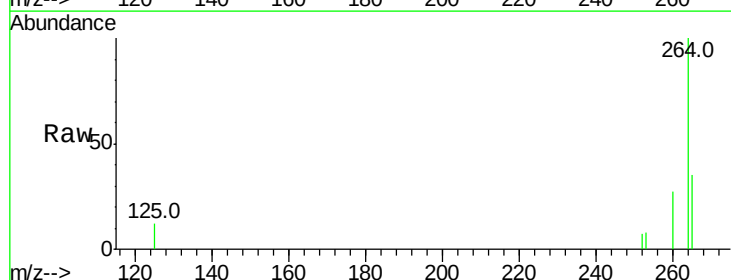
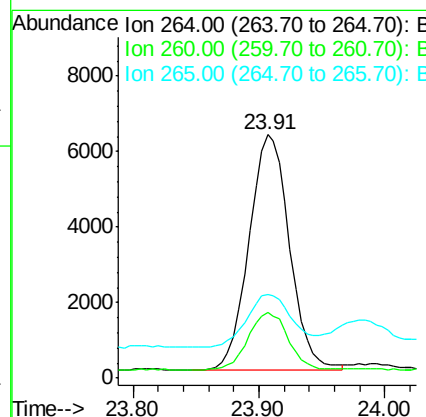
RT: 23.91 min Scan# 2121

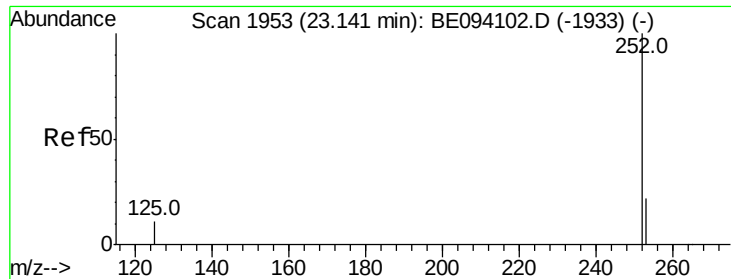
Delta R.T. -0.01 min

Lab File: BE094115.D

Acq: 25 Sep 2017 23:01

Tgt Ion:	264	Resp:	14002
Ion Ratio	Lower	Upper	
264	100		
260	27.2	20.5	30.7
265	34.5	22.8	34.2#





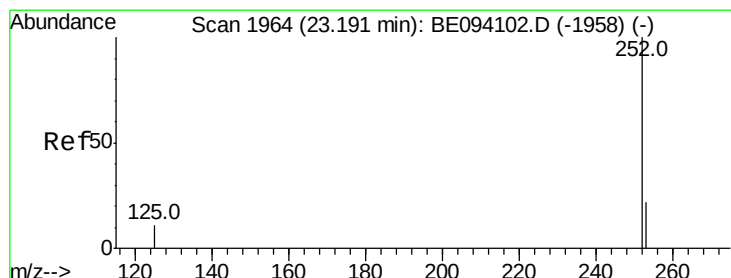
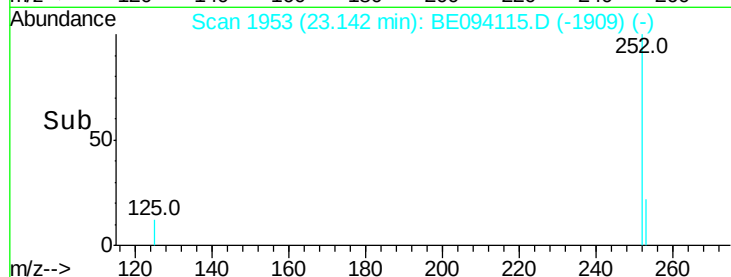
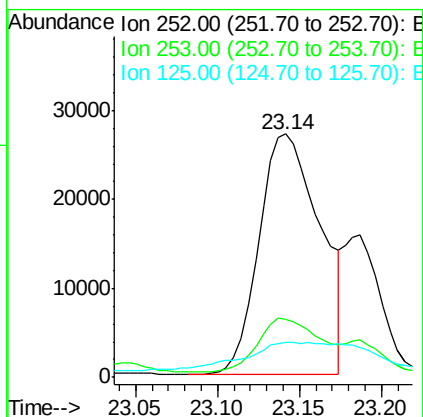
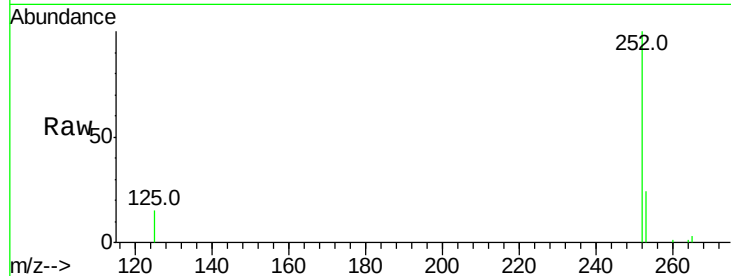
#35
Benzo(b)fluoranthene
Concen: 1.386 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	14.6	10.1	15.1

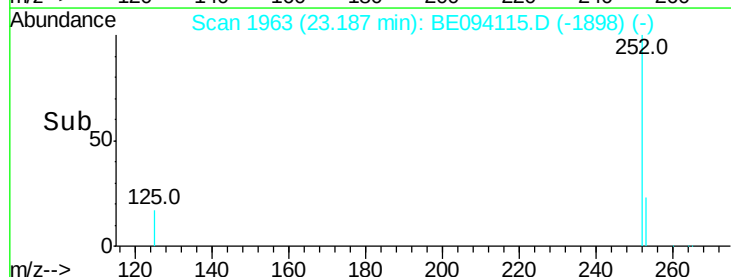
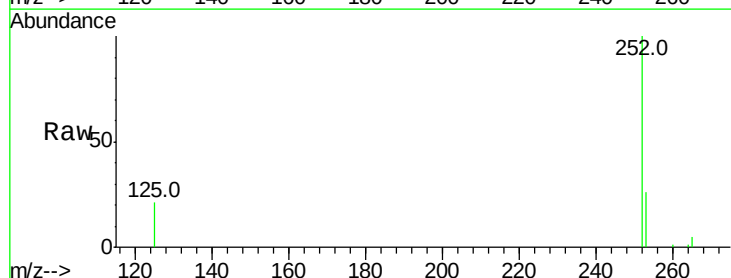
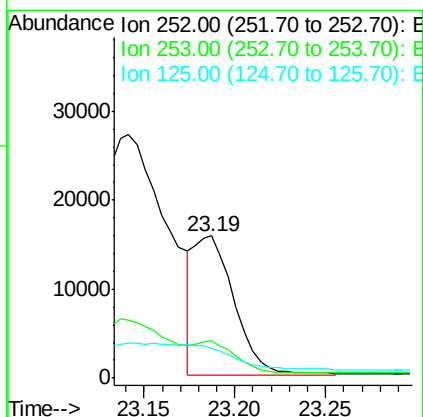
Manual Integrations
APPROVED

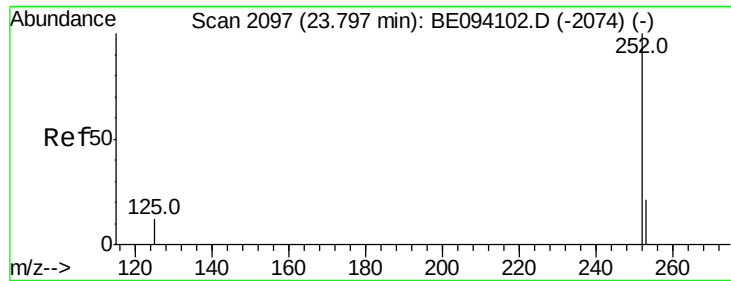
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.506 ng m
RT: 23.19 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.6	27.8
125	21.5	10.7	16.1#





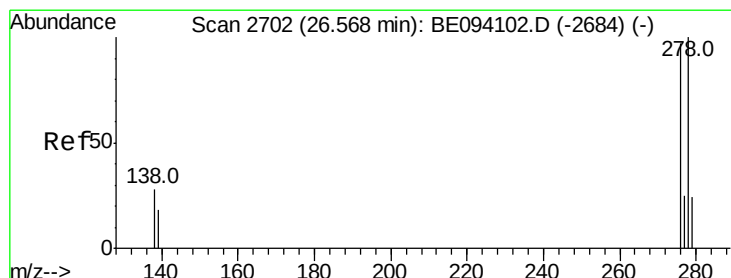
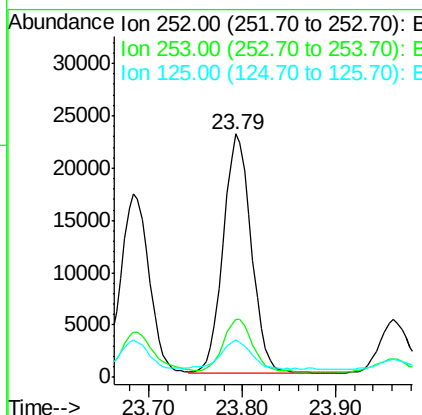
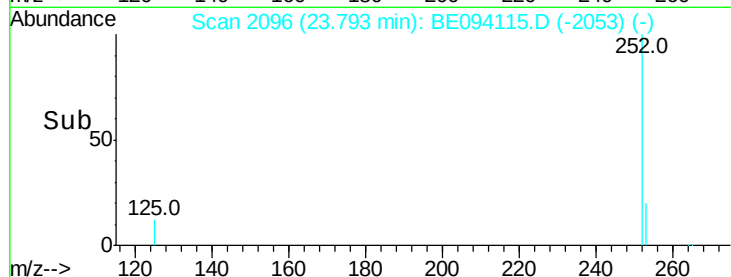
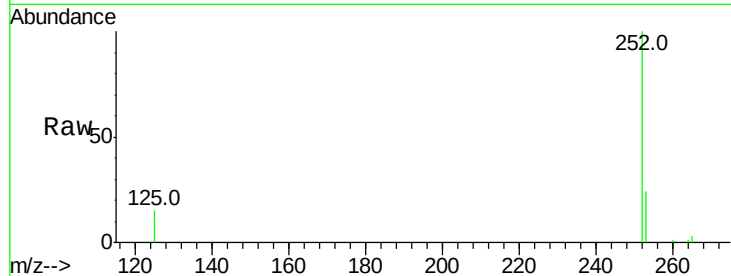
#37
Benzo(a)pyrene
Concen: 1.041 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.6
125	15.3	11.8	17.8

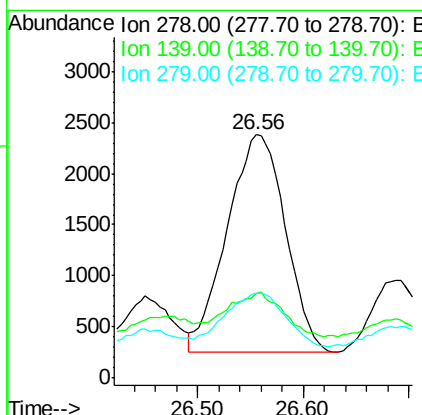
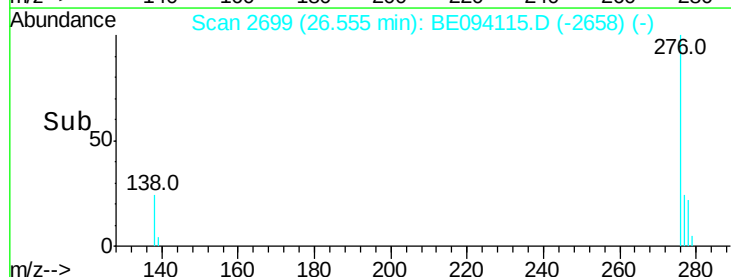
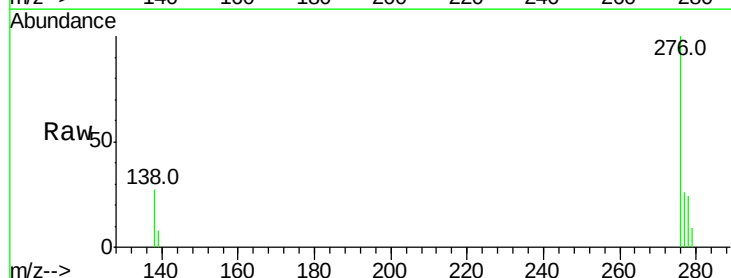
Manual Integrations
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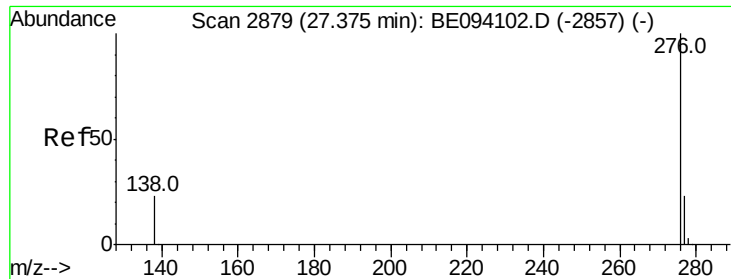
Sohil
9/26/2017 5:03:55 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.188 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094115.D
Acq: 25 Sep 2017 23:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.9	16.3	24.5#
279	35.1	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.779 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BE094115.D

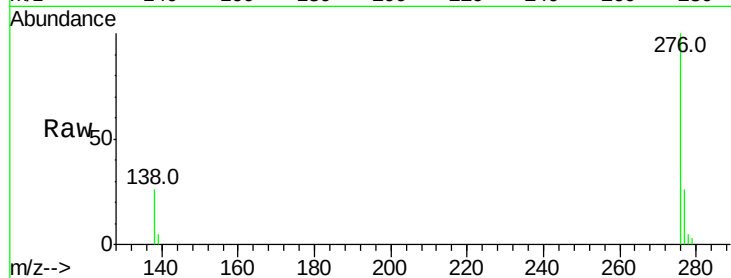
Acq: 25 Sep 2017 23:01

Instrument :

BNA_E

ClientSampleId :

LT-TS-010



Tot Ion:	276	Resp:	33330
Ion Ratio	Lower	Upper	
276	100		
277	26.0	20.8	31.2
138	26.5	21.5	32.3

Manual Integrations
APPROVED

Sohil
9/26/2017 5:03:55 PM

