

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094119.D
 Acq On : 26 Sep 2017 1:30
 Operator : SJ/JU
 Sample : I5340-03DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 LT-TS-003DL

Manual Integrations
 APPROVED

Sohil
 9/26/2017 5:04:05 PM

Quant Time: Sep 26 03:58:36 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	406	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	1915	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	1168	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	4516	0.40	ng	0.00
27) Chrysene-d12	21.40	240	3482	0.40	ng	0.00
34) Perylene-d12	23.91	264	3242	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	662	0.43	ng	0.00
5) Phenol-d6	7.09	99	811	0.38	ng	0.00
8) Nitrobenzene-d5	9.06	82	780	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	1036	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	174	0.24	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1390	0.36	ng	0.01
25) Fluoranthene-d10	19.27	212	11455	0.26	ng	0.00
29) Terphenyl-d14	19.85	244	1685	0.27	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.74	128	1406	0.065	ng	# 85
12) 2-Methylnaphthalene	12.35	142	180	0.051	ng	# 73
16) Acenaphthylene	14.23	152	1676	0.286	ng	98
17) Acenaphthene	14.57	154	286	0.078	ng	94
18) Fluorene	15.56	166	605	0.122	ng	92
23) Phenanthrene	17.27	178	15949	1.380	ng	97
24) Anthracene	17.37	178	2695	0.222	ng	# 92
26) Fluoranthene	19.30	202	35402	2.734	ng	99
28) Pyrene	19.66	202	35636	3.230	ng	# 96
30) Benzo(a)anthracene	21.38	228	16461	1.404	ng	94
31) Chrysene	21.44	228	19534	1.726	ng	95
32) Bis(2-ethylhexyl)phthalate	21.29	149	16089	0.315	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	10909	0.901	ng	97
35) Benzo(b)fluoranthene	23.14	252	23269	1.989	ng	# 90
36) Benzo(k)fluoranthene	23.18	252	7853m	0.701	ng	
37) Benzo(a)pyrene	23.80	252	16080	1.521	ng	# 91
38) Dibenzo(a,h)anthracene	26.55	278	3005	0.300	ng	# 51
39) Benzo(a,h,i)perylene	27.37	276	11587	1.169	ng	94

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

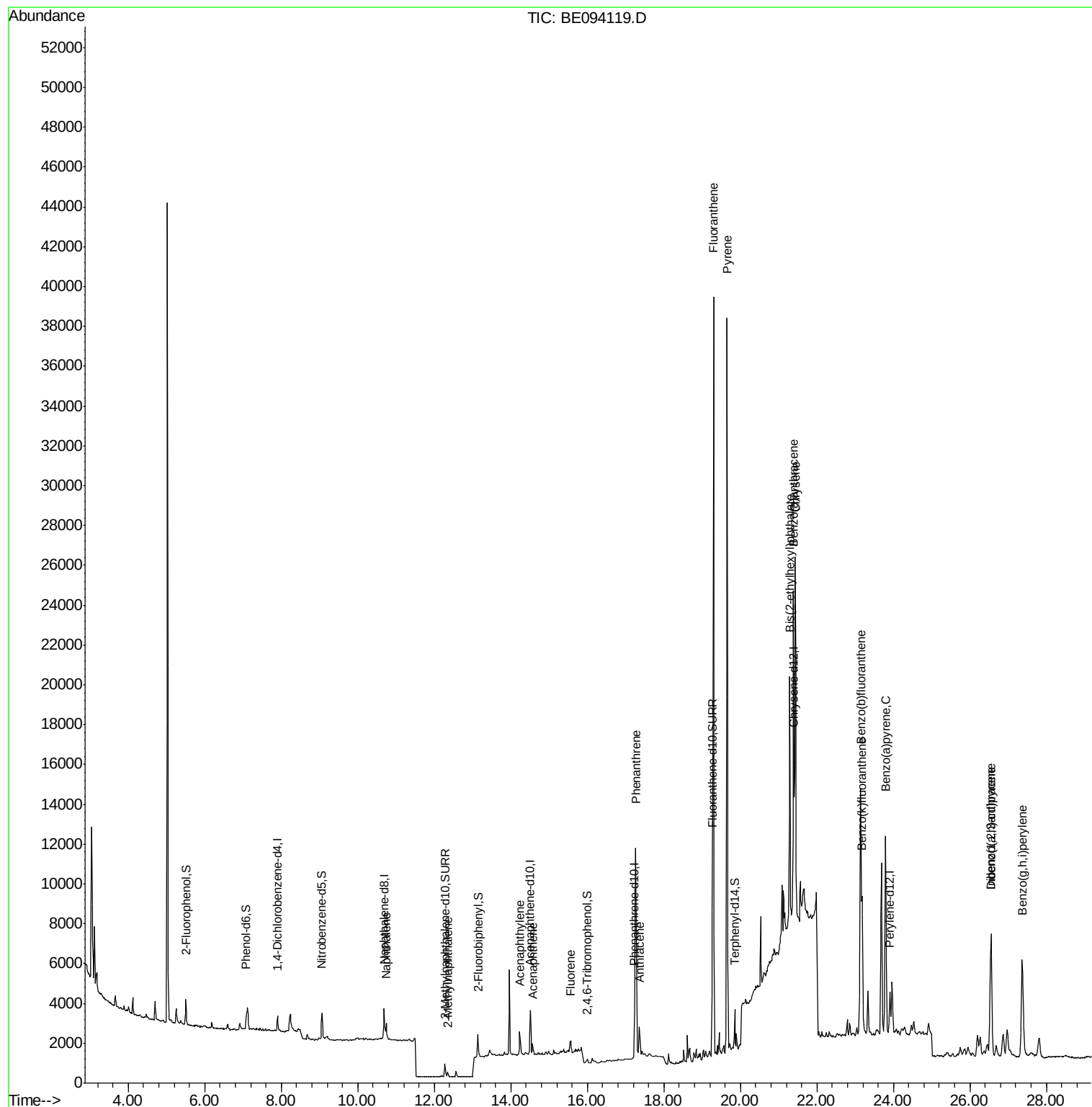
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
Data File : BE094119.D
Acq On : 26 Sep 2017 1:30
Operator : SJ/JU
Sample : I5340-03DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

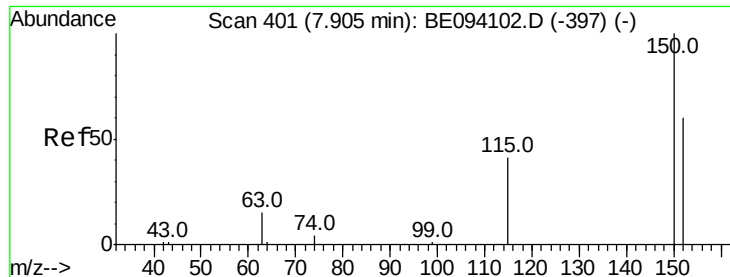
Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Manual Integrations
APPROVED

Sohil
9/26/2017 5:04:05 PM

Quant Time: Sep 26 03:58:36 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





#1

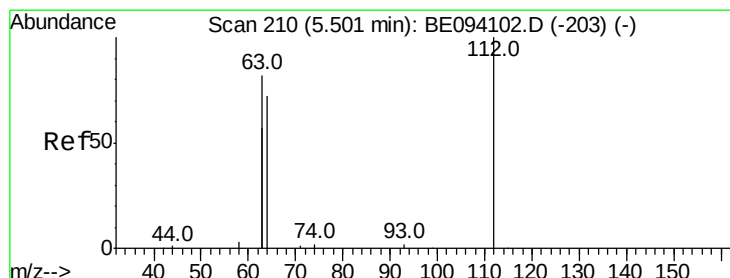
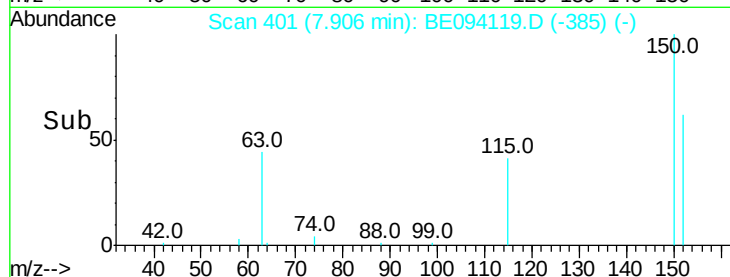
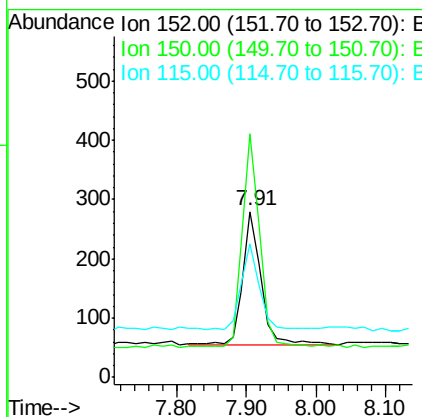
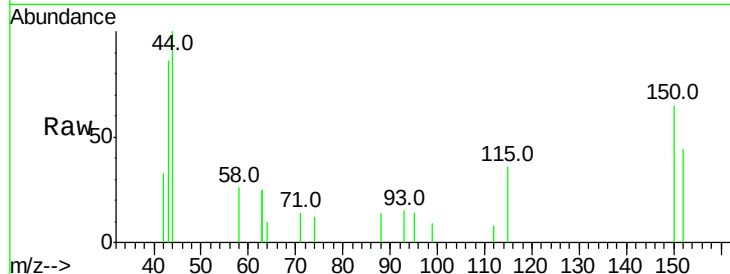
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampled :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	117.2	175.8
115	80.4	57.0	85.6

Manual Integrations
APPROVED

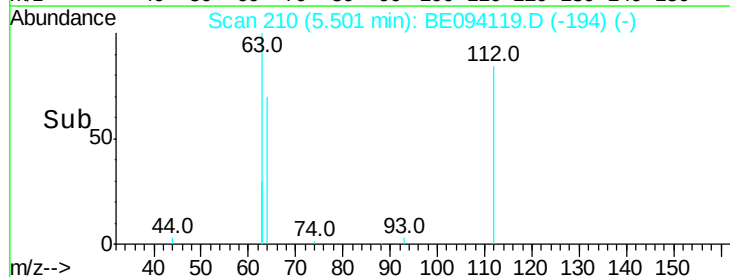
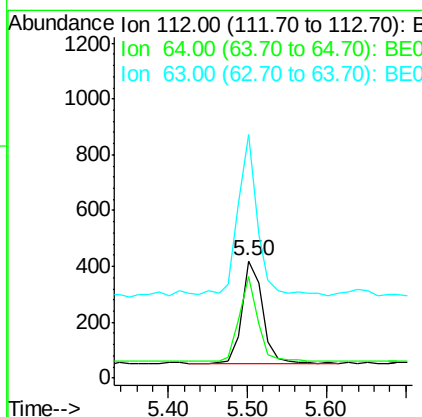
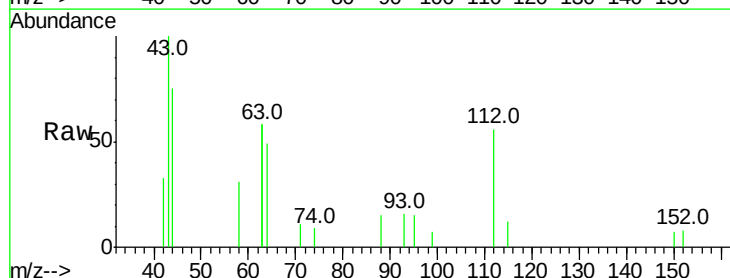
Sohil
9/26/2017 5:04:05 PM

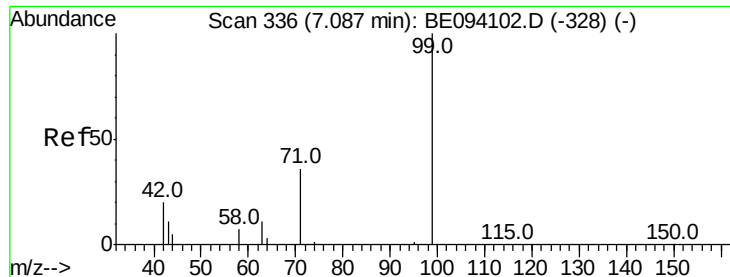


#4

2-Fluorophenol
Concen: 0.430 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.9	60.1	90.1
63	148.6	116.8	175.2





#5

Phenol-d6

Concen: 0.379 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA_E

ClientSampled :

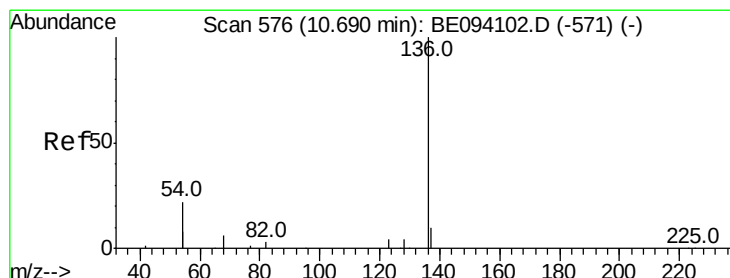
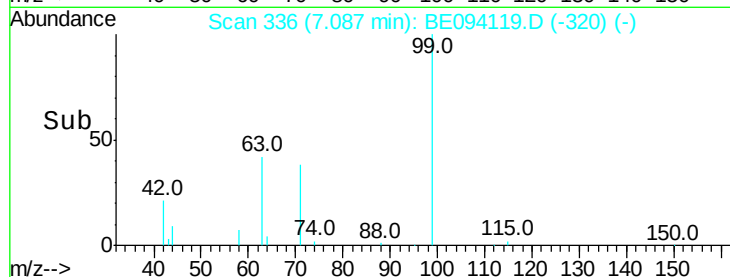
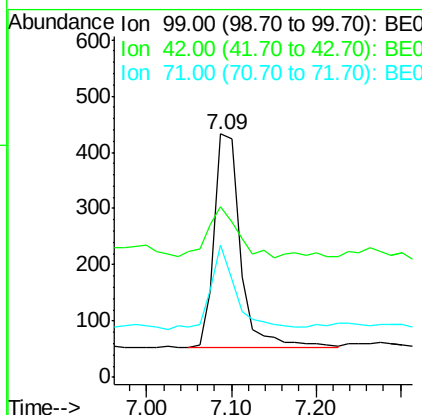
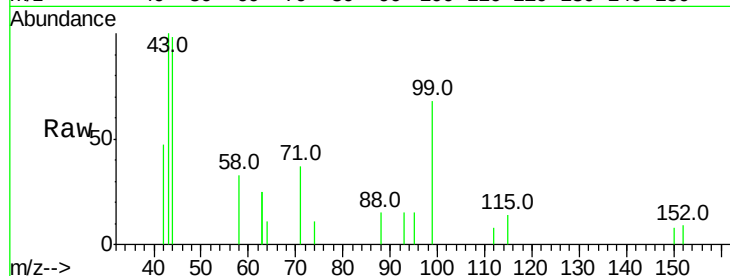
LT-TS-003DL

Tot Ion:	99	Resp:	811
Ion	Ratio	Lower	Upper
99	100		
42	28.0	20.2	30.2
71	37.5	28.4	42.6

Manual Integrations
APPROVED

Sohil

9/26/2017 5:04:05 PM



#7

Naphthalene-d8

Concen: 0.400 ng

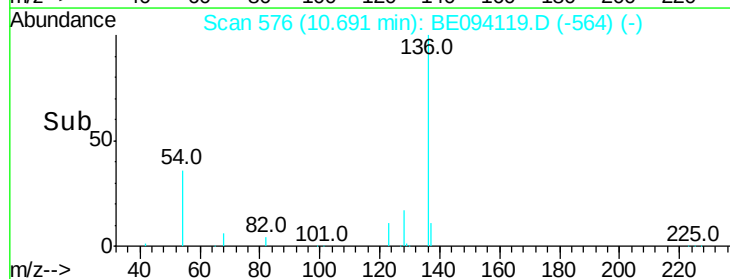
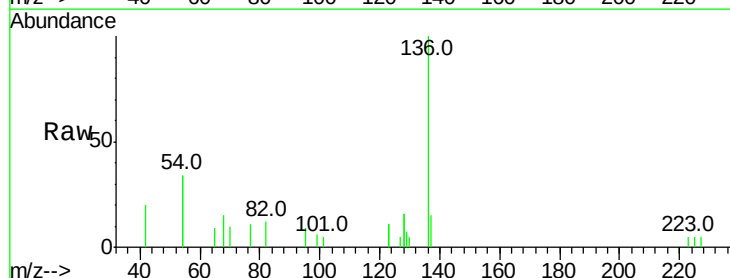
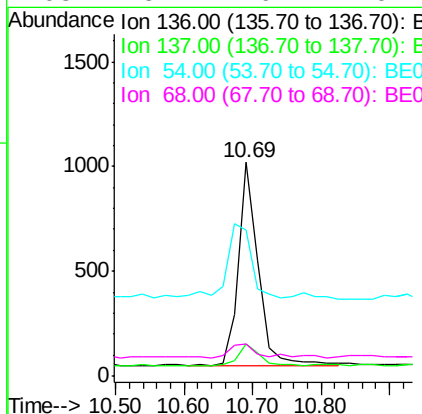
RT: 10.69 min Scan# 576

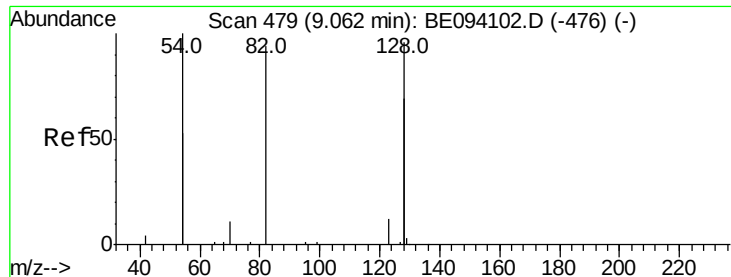
Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Tgt Ion:	136	Resp:	1915
Ion	Ratio	Lower	Upper
136	100		
137	15.2	9.5	14.3#
54	68.4	29.1	43.7#
68	15.1	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.421 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA_E

ClientSampleId :

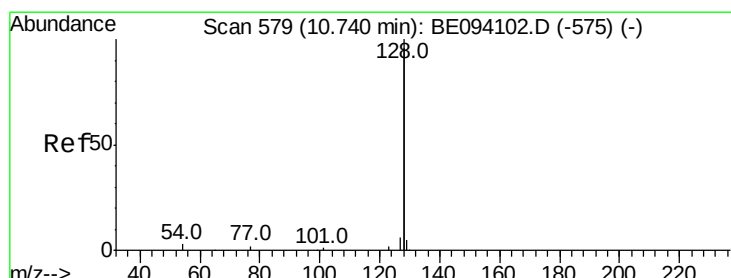
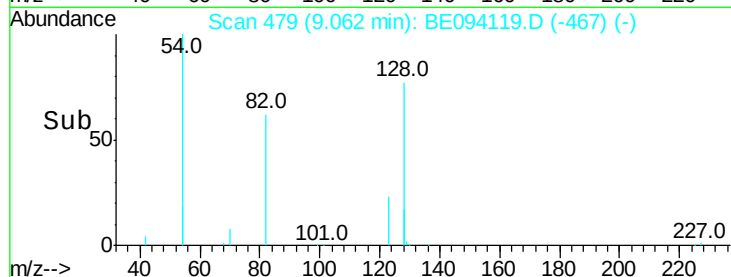
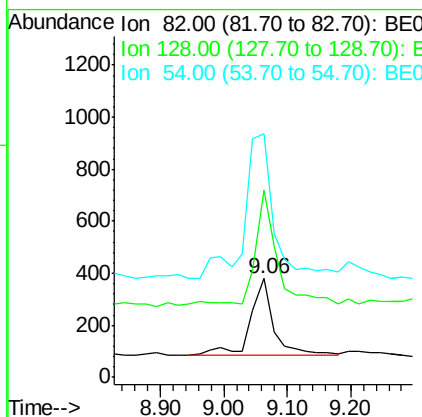
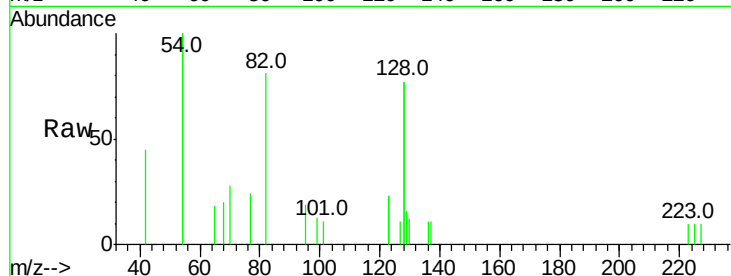
LT-TS-003DL

Tot Ion:	82	Resp:	780
Ion	Ratio	Lower	Upper
82	100		
128	189.9	150.0	225.0
54	247.6	154.2	231.4#

Manual Integrations
APPROVED

Sohil

9/26/2017 5:04:05 PM



#9

Naphthalene

Concen: 0.065 ng

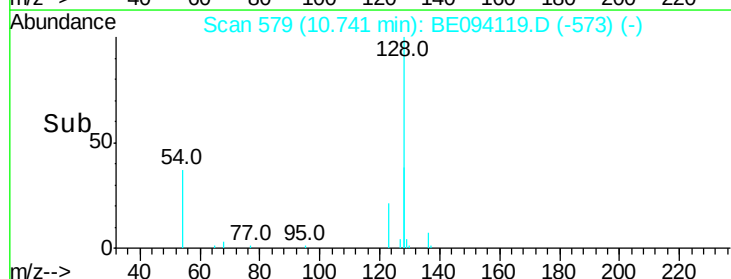
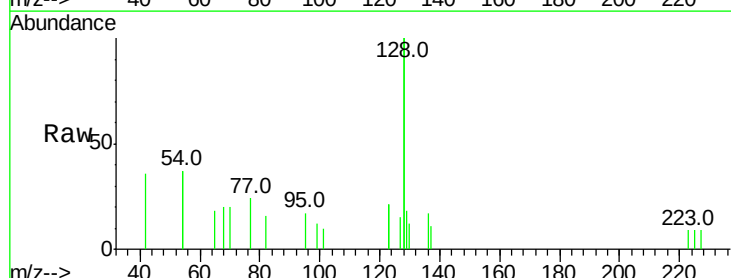
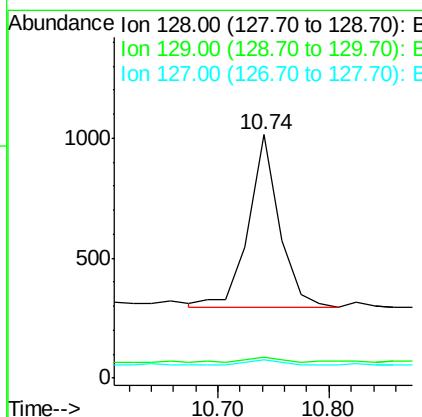
RT: 10.74 min Scan# 579

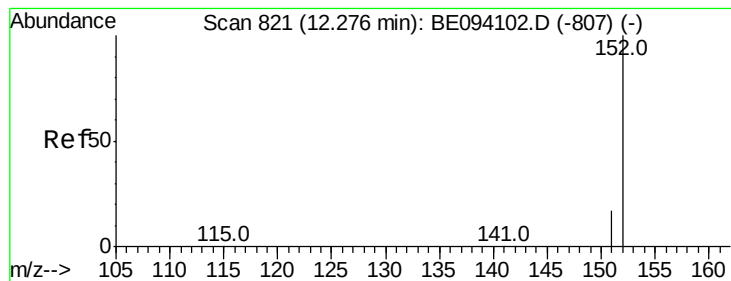
Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Tgt Ion:	128	Resp:	1406
Ion	Ratio	Lower	Upper
128	100		
129	8.8	2.6	3.8#
127	7.6	2.8	4.2#





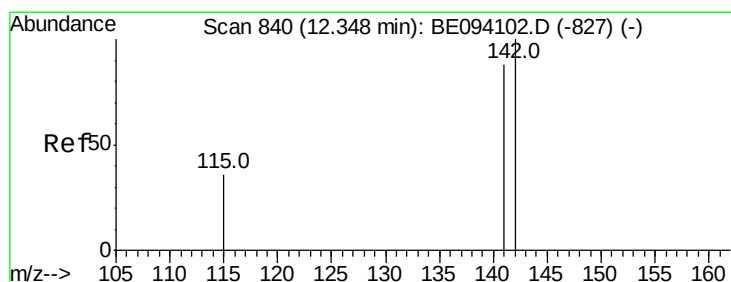
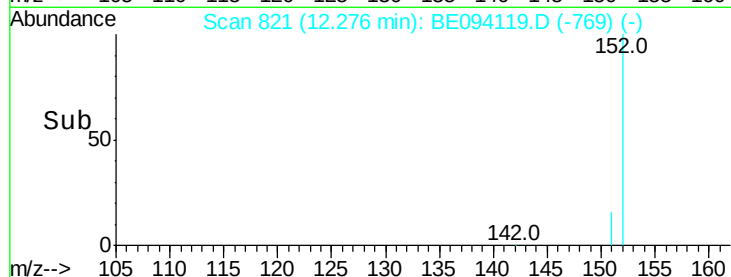
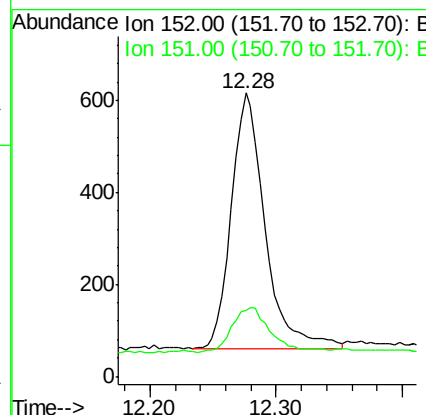
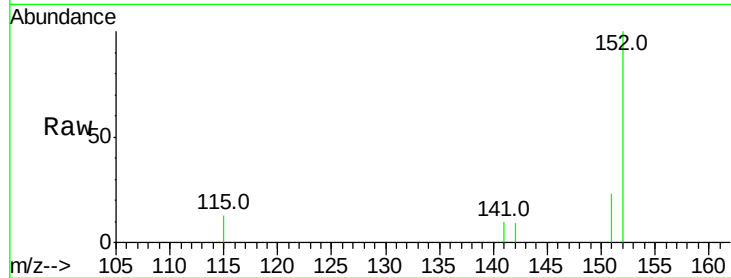
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.28 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.0

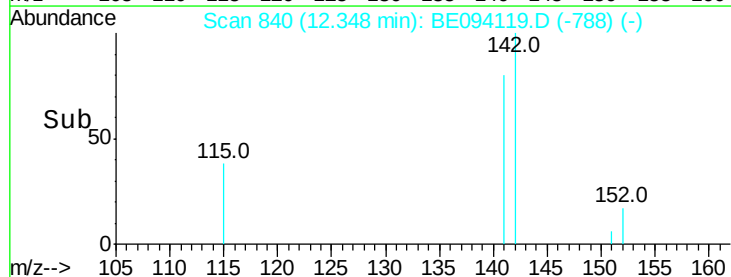
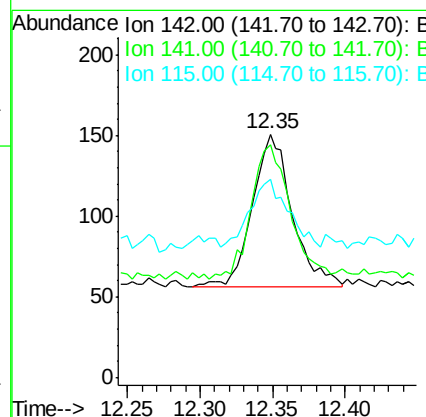
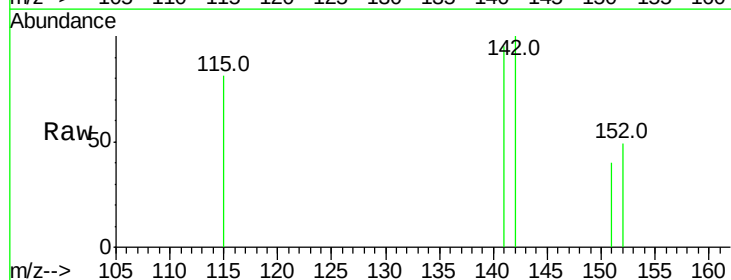
Manual Integrations
APPROVED

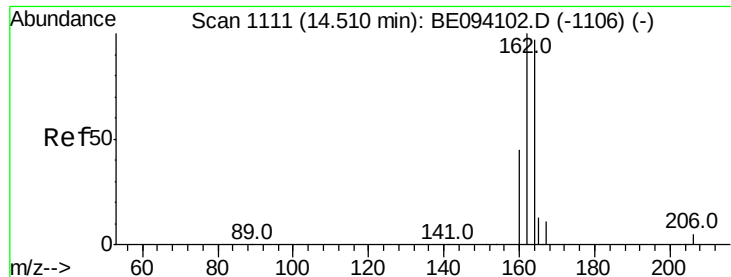
Sohil
9/26/2017 5:04:05 PM



#12
2-Methylnaphthalene
Concen: 0.051 ng
RT: 12.35 min Scan# 840
Delta R.T. -0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.4	70.4	105.6
115	81.5	31.7	47.5#





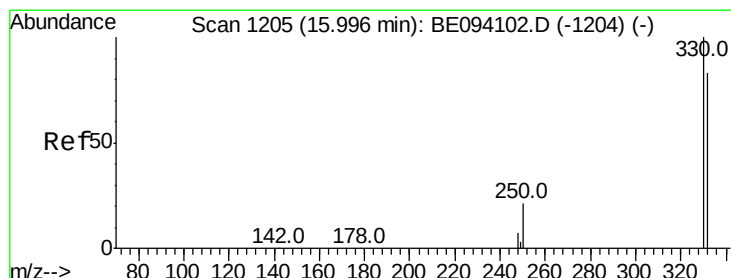
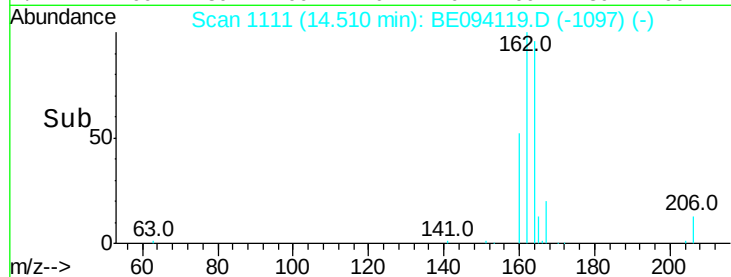
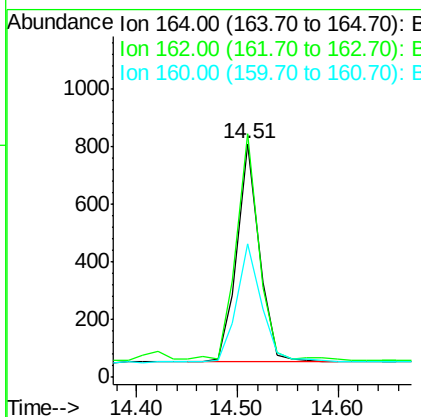
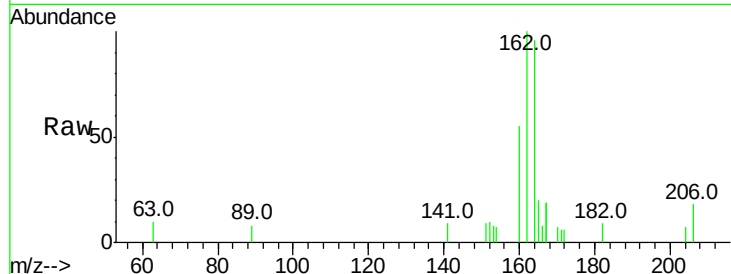
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094119.D
 Acq: 26 Sep 2017 1:30

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	83.1	124.7
160	57.0	37.1	55.7#

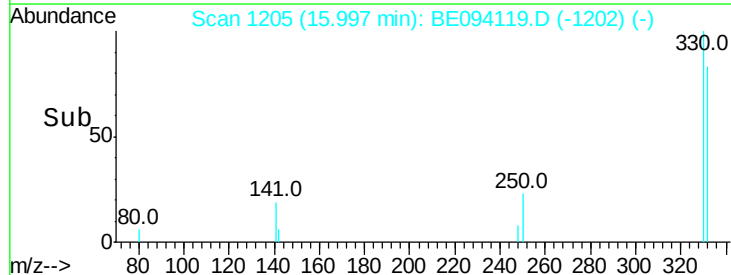
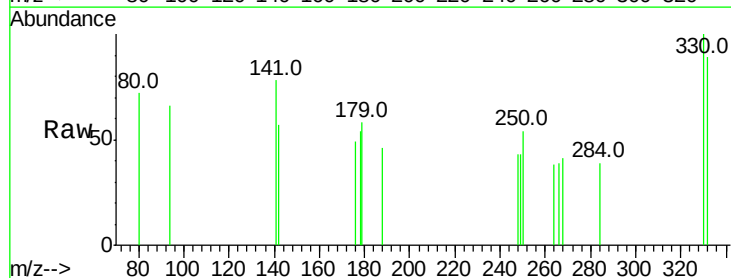
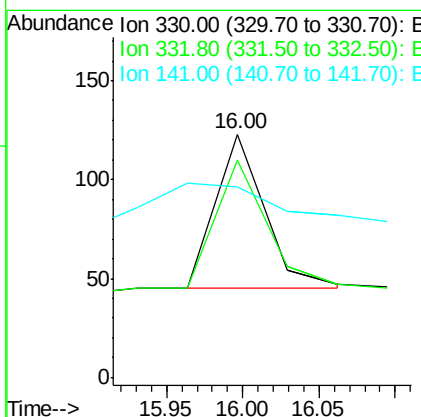
Manual Integrations
 APPROVED

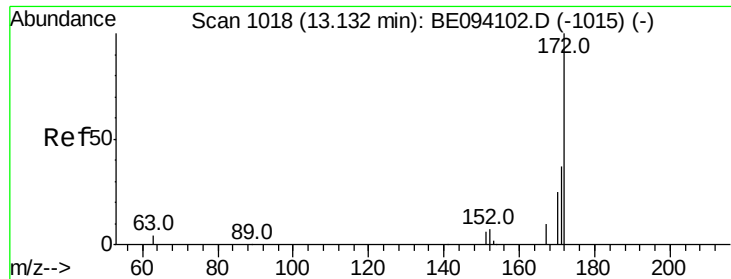
Sohil
 9/26/2017 5:04:05 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.245 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094119.D
 Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	87.9	152.7	229.1#
141	0.0	33.7	50.5#





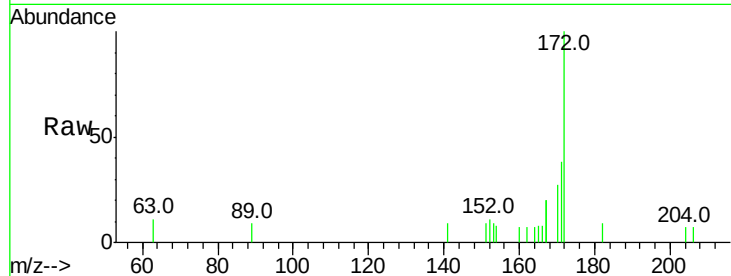
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

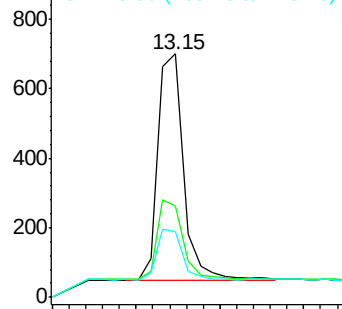
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.9	44.9
170	27.0	21.8	32.8

Manual Integrations
APPROVED

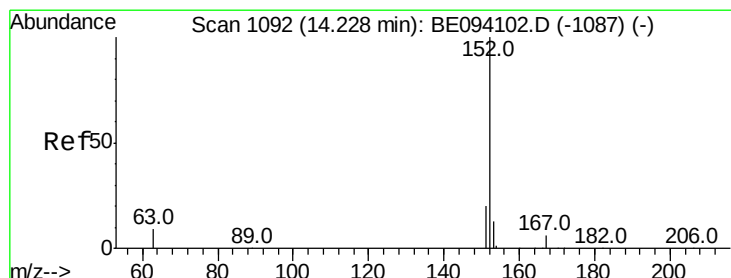
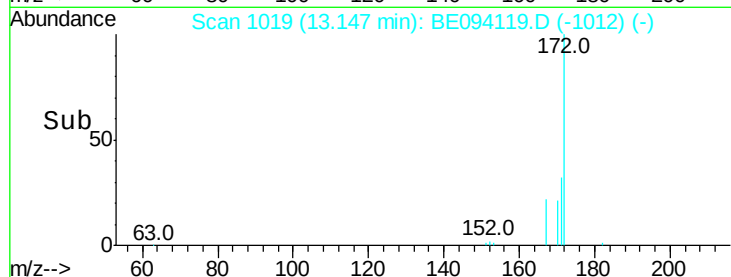
Sohil
9/26/2017 5:04:05 PM



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

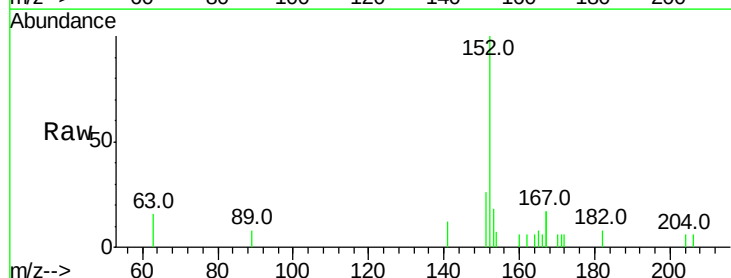


Time--> 13.00 13.10 13.20 13.30

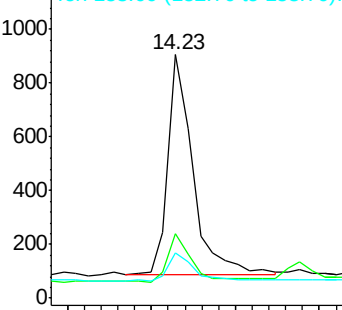


#16
Acenaphthylene
Concen: 0.286 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

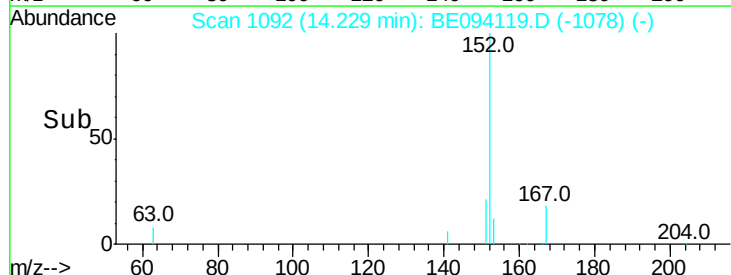
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	12.6	10.5	15.7

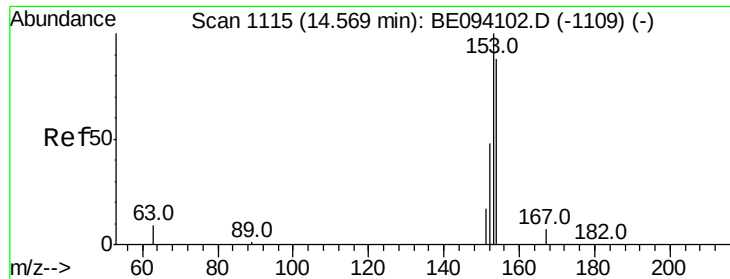


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 14.10 14.20 14.30 14.40





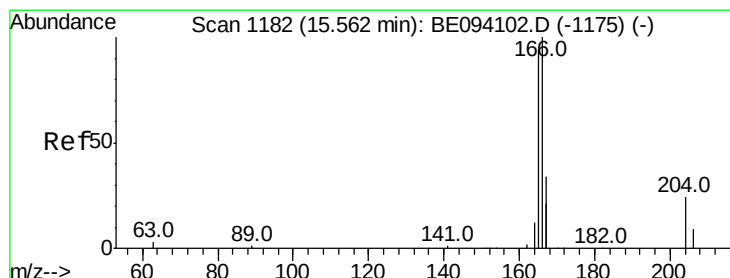
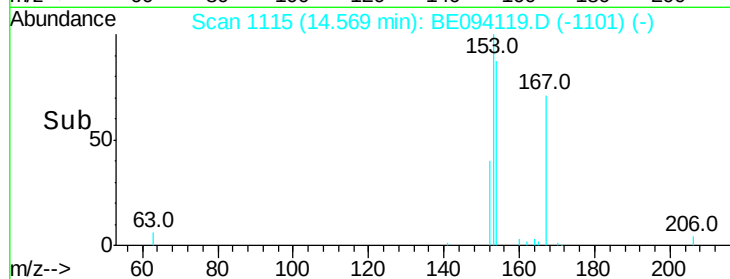
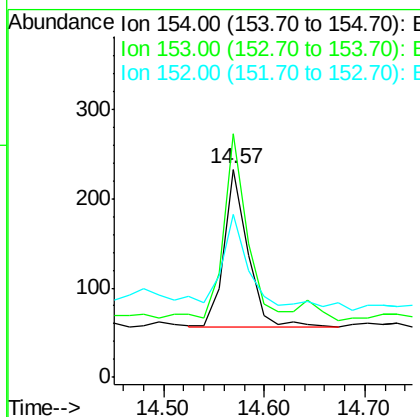
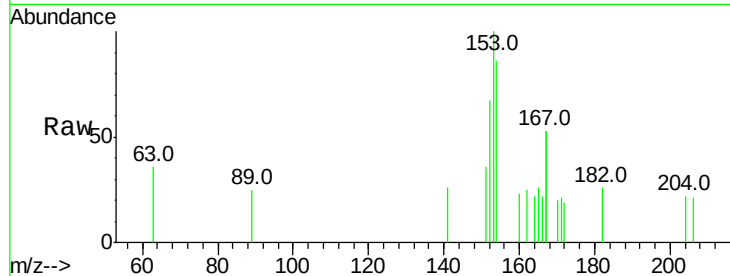
#17
Acenaphthene
Concen: 0.078 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	105.9	89.2	133.8
152	58.0	42.0	63.0

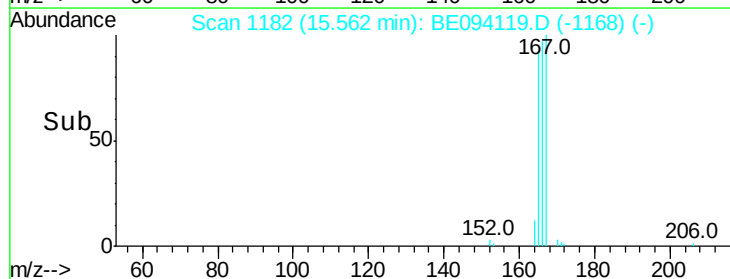
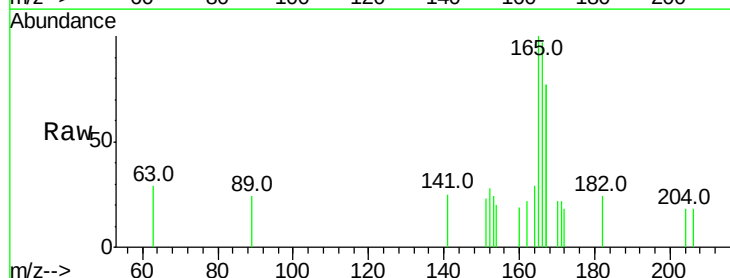
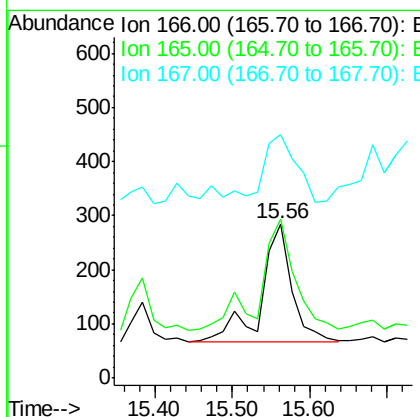
Manual Integrations
APPROVED

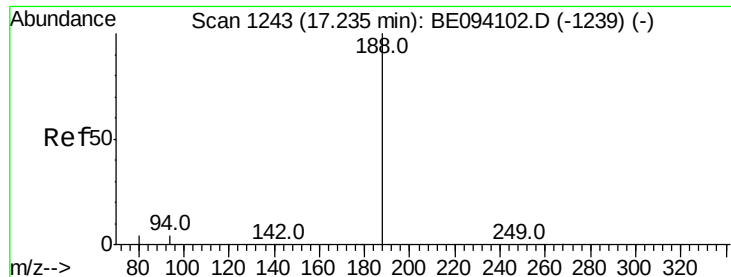
Sohil
9/26/2017 5:04:05 PM



#18
Fluorene
Concen: 0.122 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.8	77.8	116.6
167	55.7	42.4	63.6





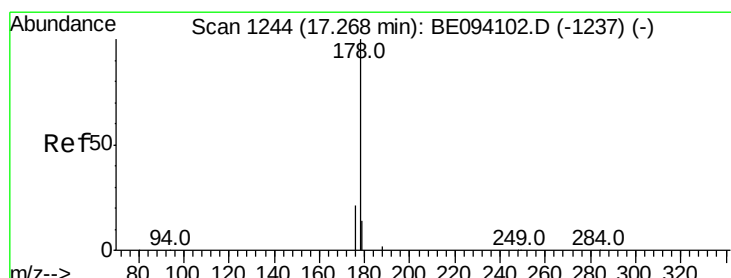
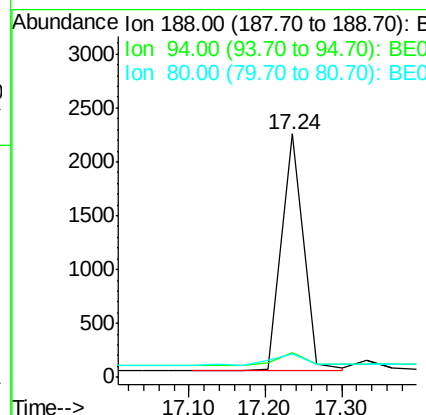
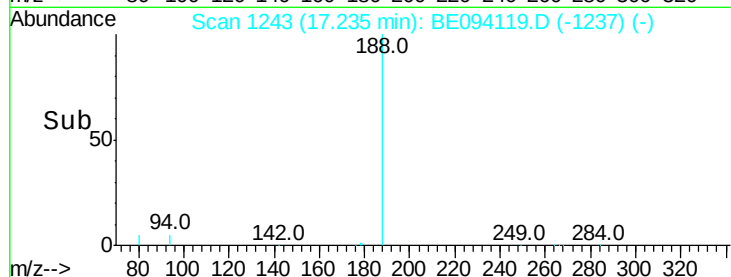
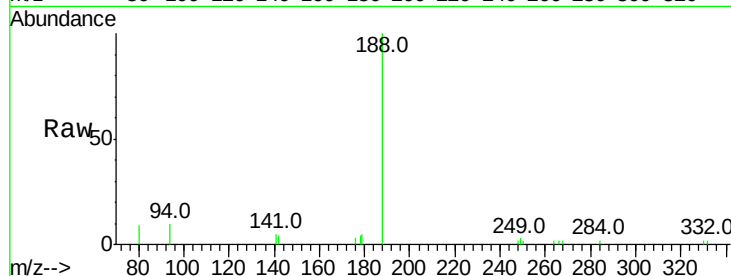
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	4516		
94	10.0		3.9	5.9#
80	9.4		3.6	5.4#

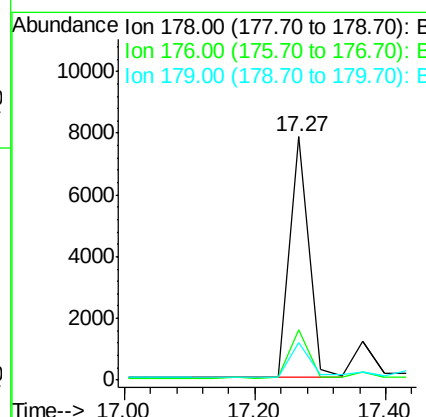
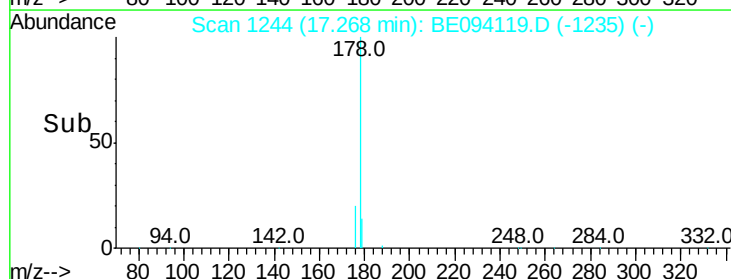
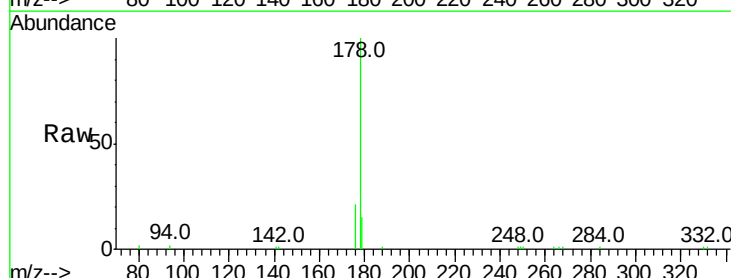
Manual Integrations
APPROVED

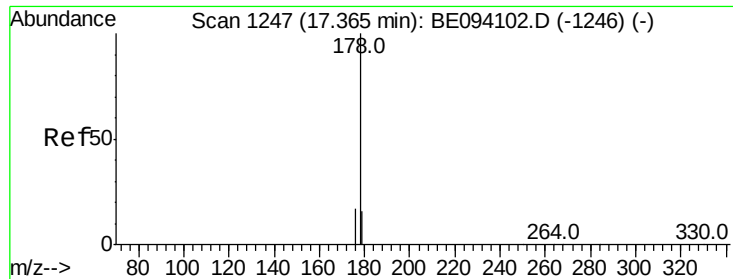
Sohil
9/26/2017 5:04:05 PM



#23
Phenanthrene
Concen: 1.380 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	15949		
176	20.2		15.1	22.7
179	16.1		11.8	17.6





#24

Anthracene

Concen: 0.222 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA_E

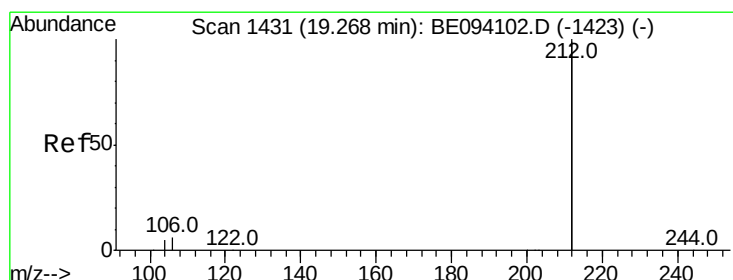
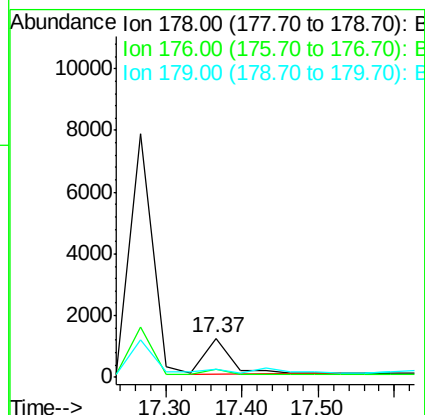
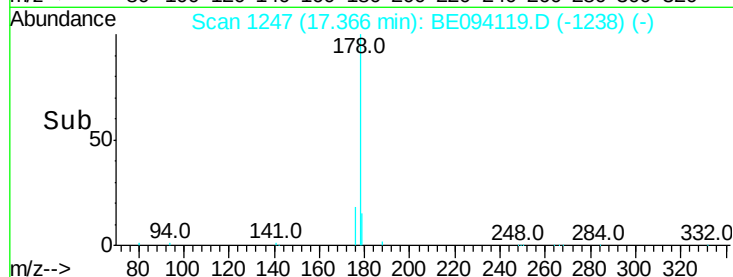
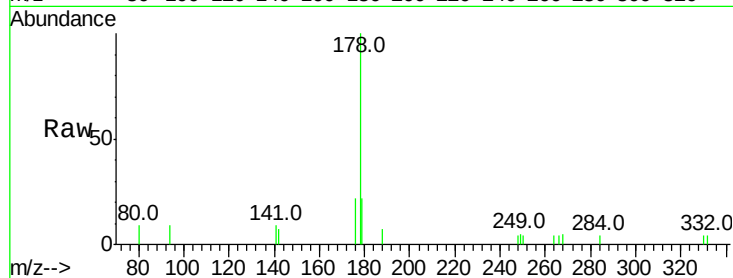
ClientSampleID :

LT-TS-003DL

Tot Ion:178	Resp:	2695
Ion Ratio	Lower	Upper
178 100		
176 17.6	12.8	19.2
179 10.9	13.0	19.6#

Manual Integrations
APPROVED

Sohil
9/26/2017 5:04:05 PM



#25

Fluoranthene-d10

Concen: 0.262 ng

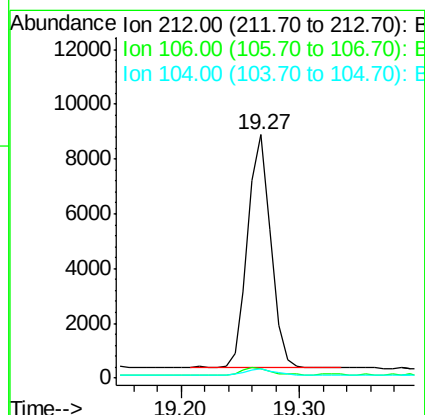
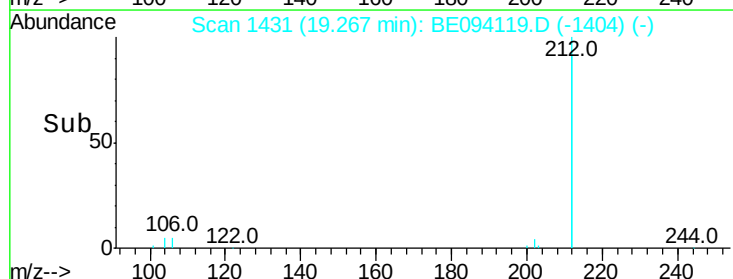
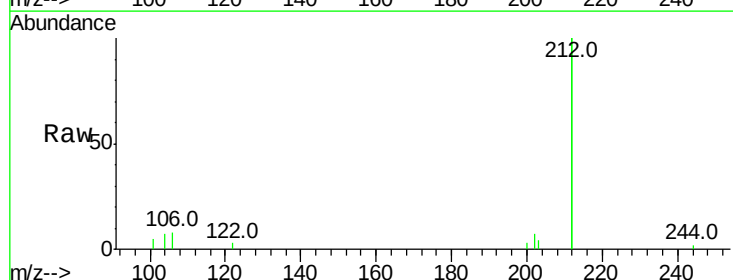
RT: 19.27 min Scan# 1431

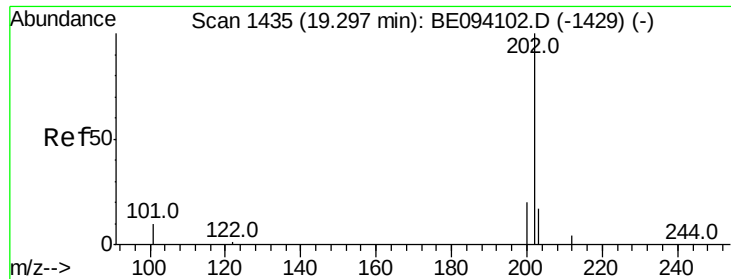
Delta R.T. -0.00 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Tgt Ion:212	Resp:	11455
Ion Ratio	Lower	Upper
212 100		
106 3.7	2.8	4.2
104 3.7	1.6	2.4#





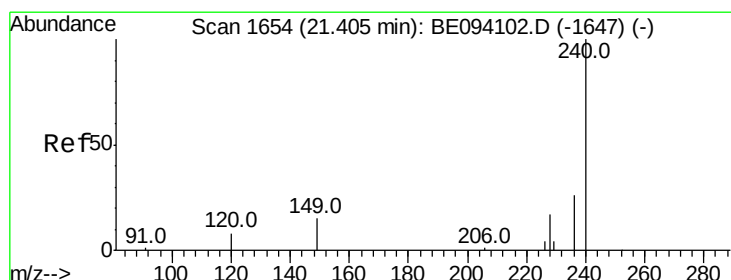
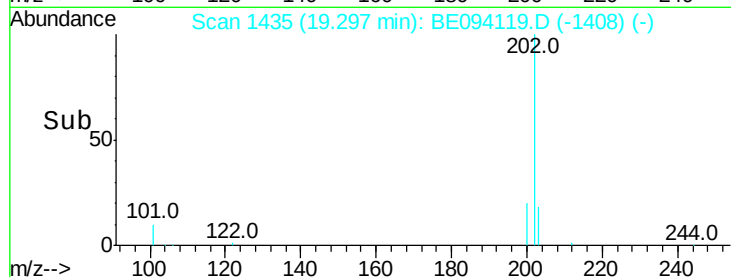
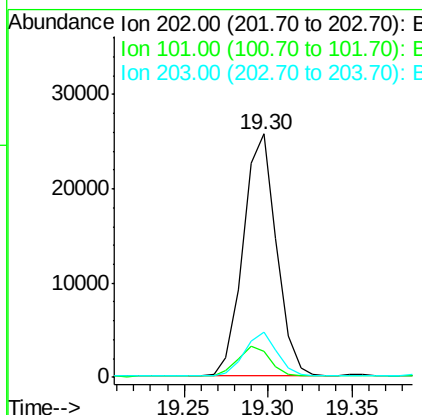
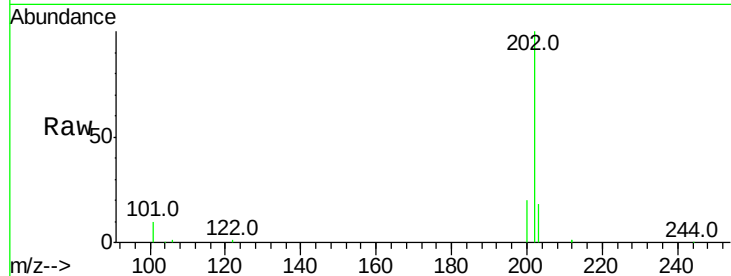
#26
 Fluoranthene
 Concen: 2.734 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094119.D
 Acq: 26 Sep 2017 1:30

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-003DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	9.8	14.8
203	17.6	13.7	20.5

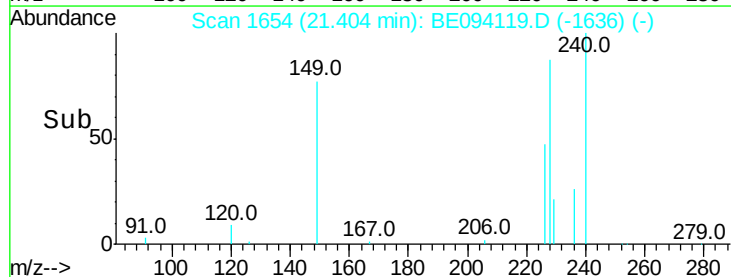
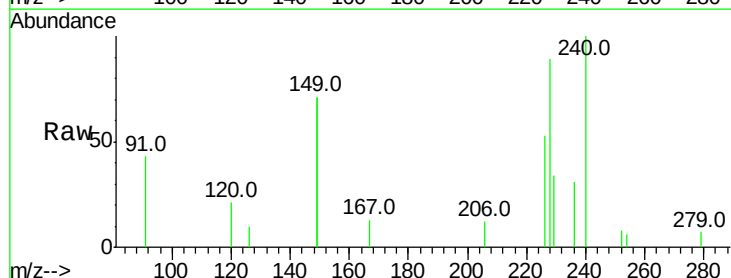
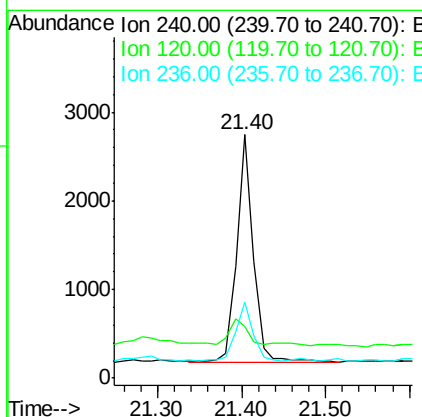
Manual Integrations
 APPROVED

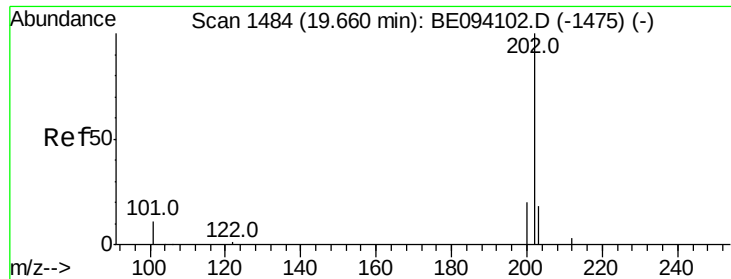
Sohil
 9/26/2017 5:04:05 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094119.D
 Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	21.0	5.5	8.3#
236	31.2	20.7	31.1#





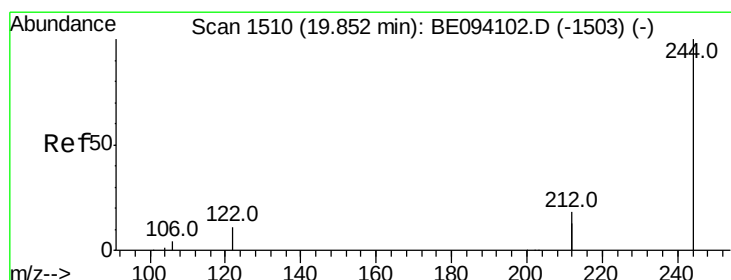
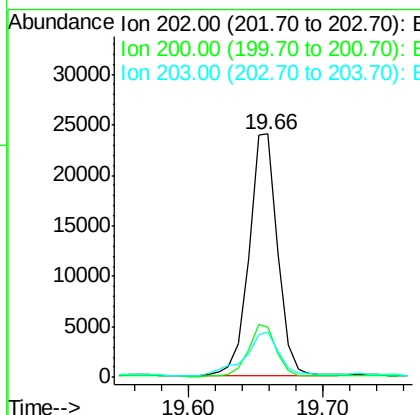
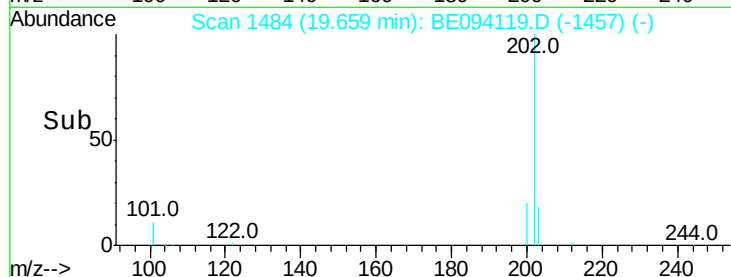
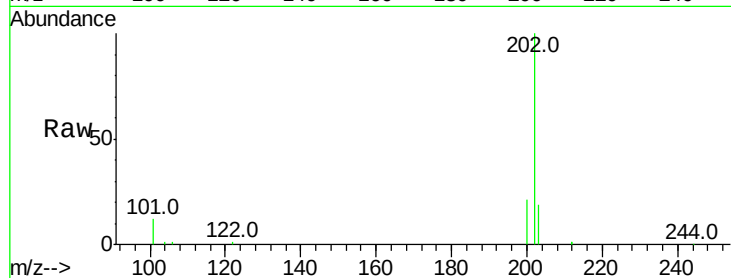
#28
Pvrene
Concen: 3.230 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.6	25.0
203	21.4	13.8	20.8

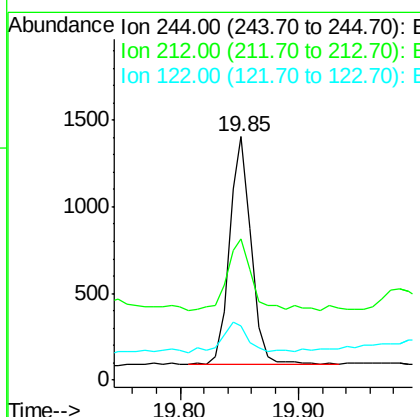
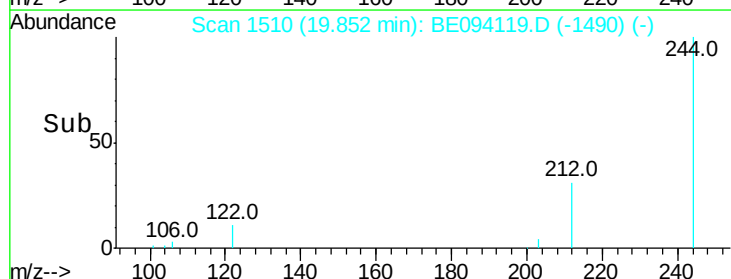
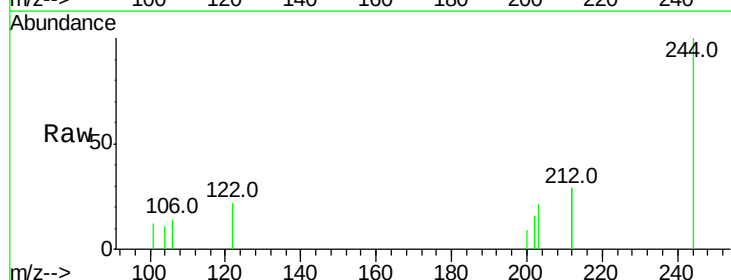
Manual Integrations
APPROVED

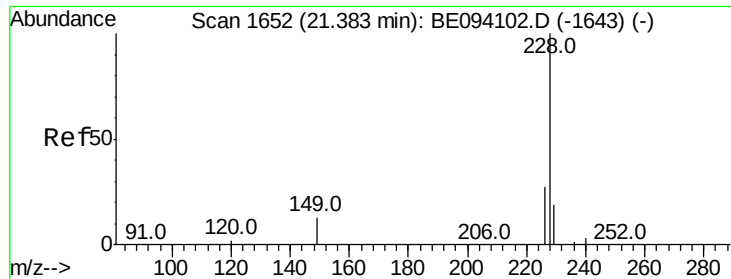
Sohil
9/26/2017 5:04:05 PM



#29
Terphenyl-d14
Concen: 0.265 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	58.0	25.4	38.0
122	22.1	8.1	12.1





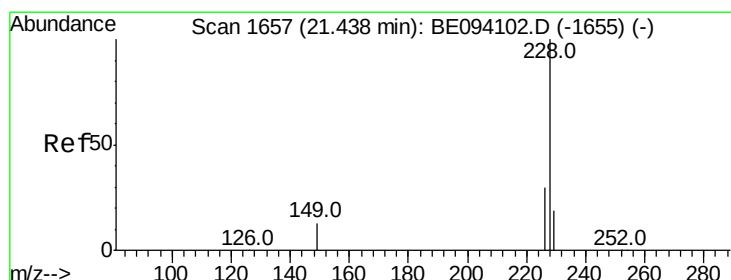
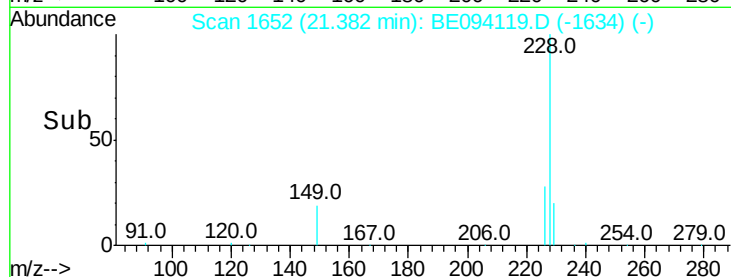
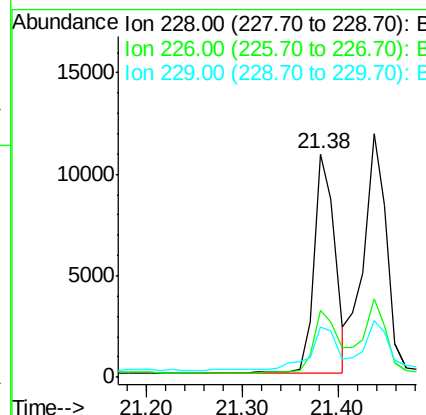
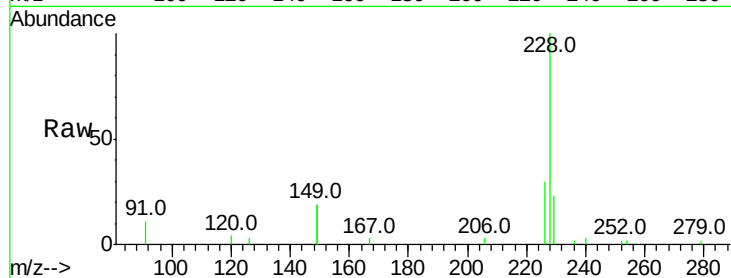
#30
Benzo(a)anthracene
Concen: 1.404 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.4	32.0
229	22.8	16.4	24.6

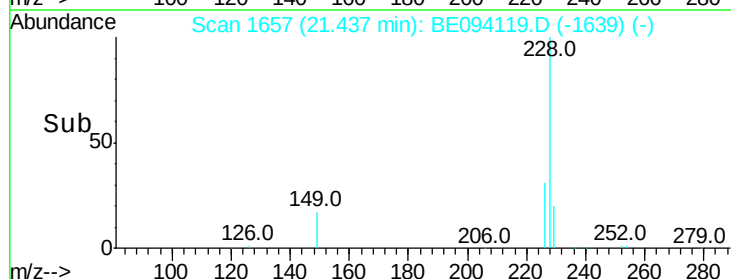
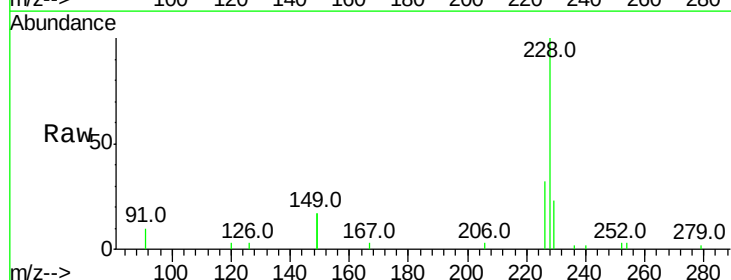
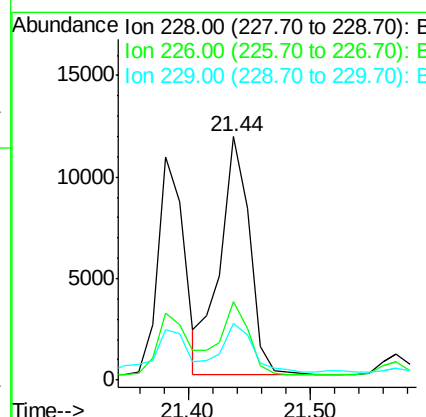
Manual Integrations
APPROVED

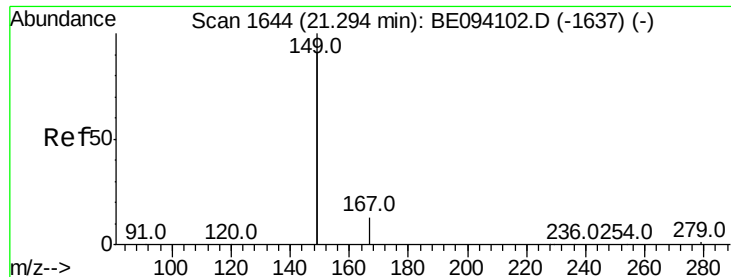
Sohil
9/26/2017 5:04:05 PM



#31
Chrysene
Concen: 1.726 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.6	35.4
229	23.1	16.4	24.6





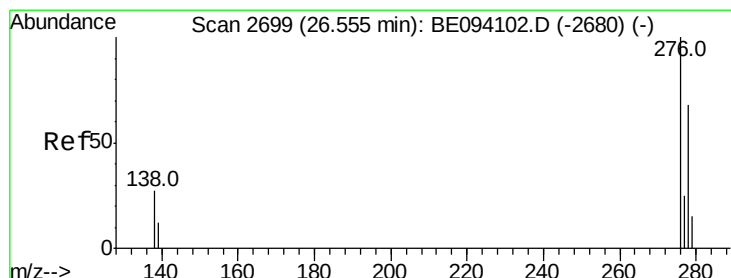
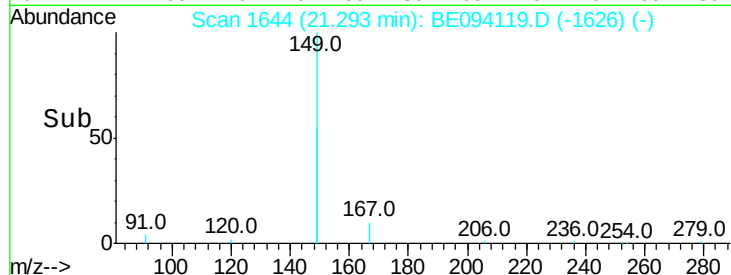
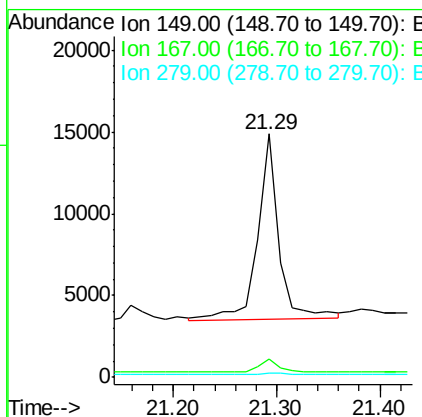
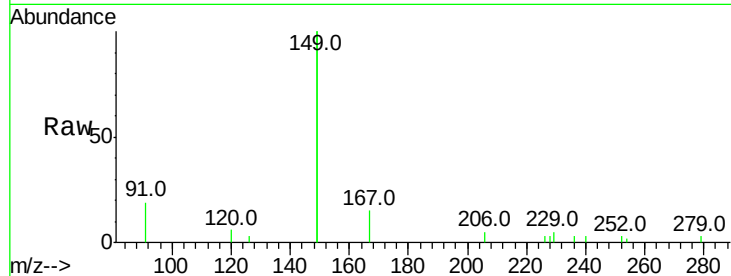
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.315 ng
 RT: 21.29 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BE094119.D
 Acq: 26 Sep 2017 1:30

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-003DL

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.9	0.7	1.1

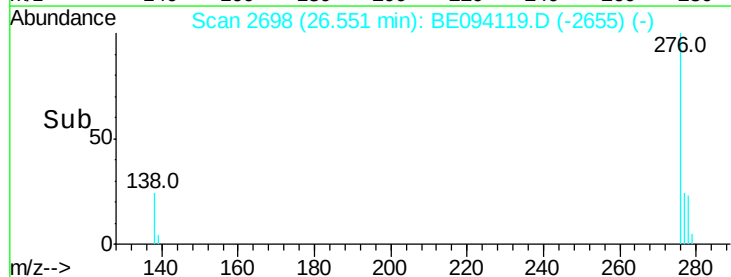
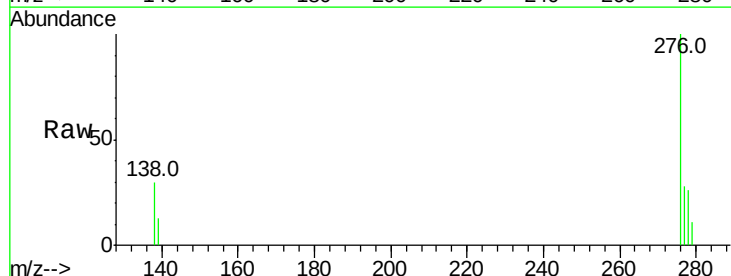
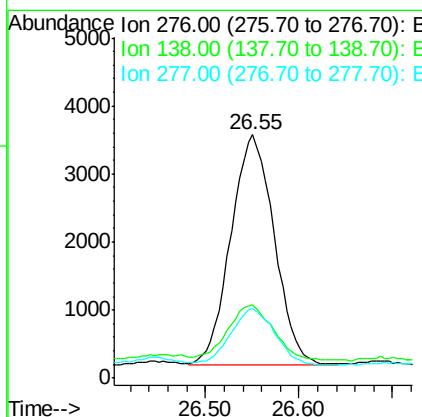
Manual Integrations
 APPROVED

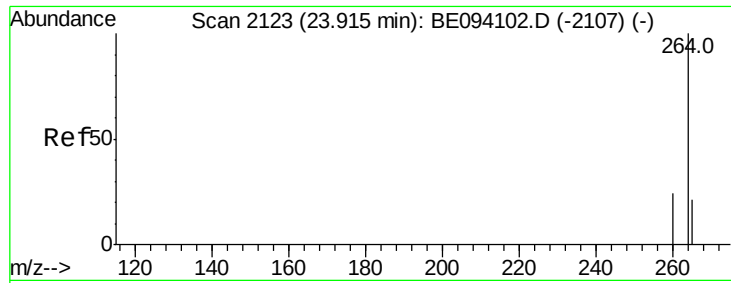
Sohil
 9/26/2017 5:04:05 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.901 ng
 RT: 26.55 min Scan# 2698
 Delta R.T. -0.00 min
 Lab File: BE094119.D
 Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.2	22.5	33.7
277	25.1	19.9	29.9





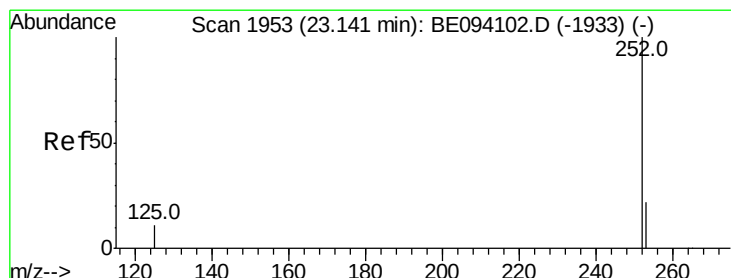
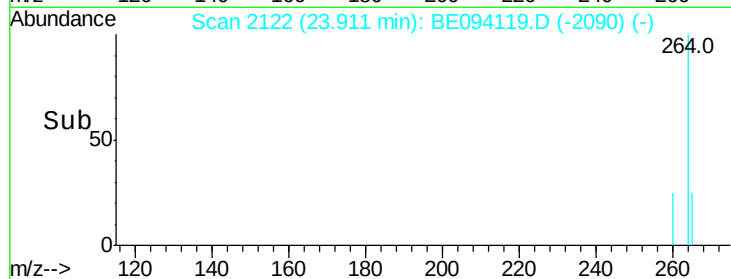
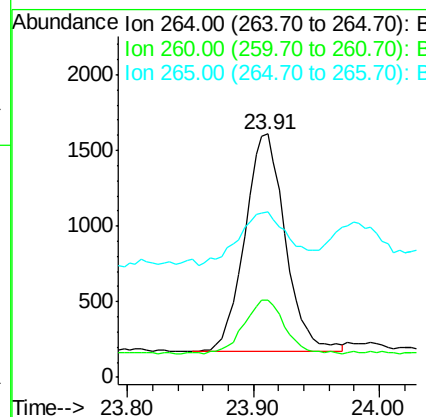
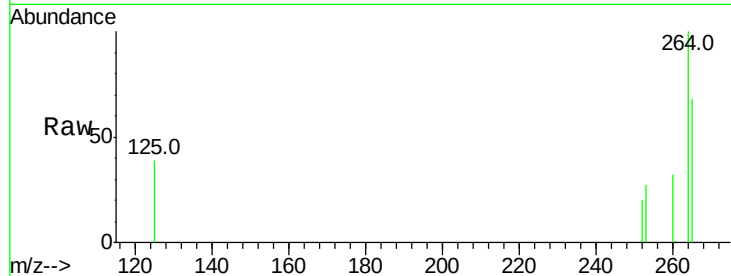
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampleID :
LT-TS-003DL

Tot Ion:264 Resp: 3242
Ion Ratio Lower Upper
264 100
260 32.0 20.5 30.7#
265 68.0 22.8 34.2#

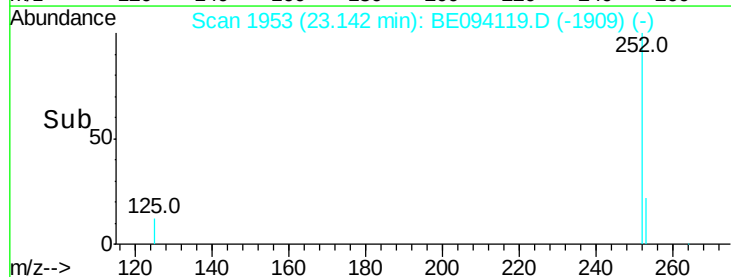
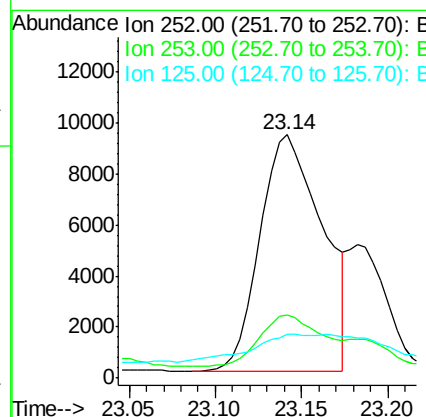
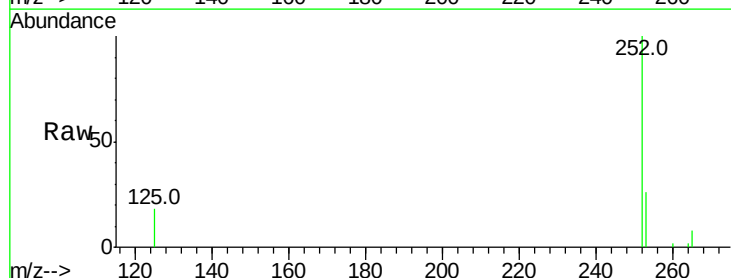
Manual Integrations
APPROVED

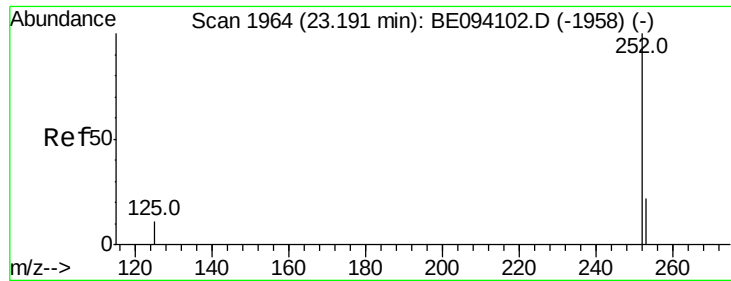
Sohil
9/26/2017 5:04:05 PM



#35
Benzo(b)fluoranthene
Concen: 1.989 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion:252 Resp: 23269
Ion Ratio Lower Upper
252 100
253 26.1 18.2 27.2
125 18.3 10.1 15.1#





#36

Benzo(k)fluoranthene

Concen: 0.701 ng m

RT: 23.18 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Instrument :

BNA_E

ClientSampleId :

LT-TS-003DL

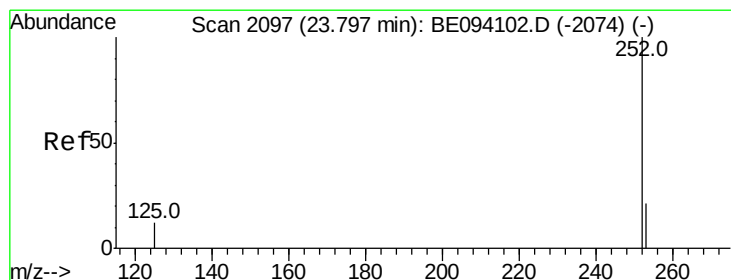
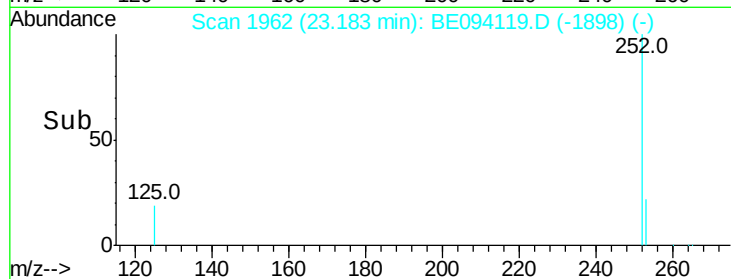
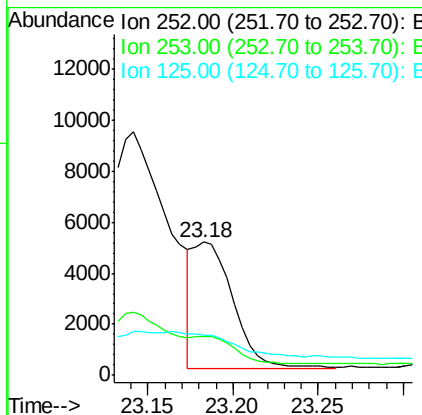
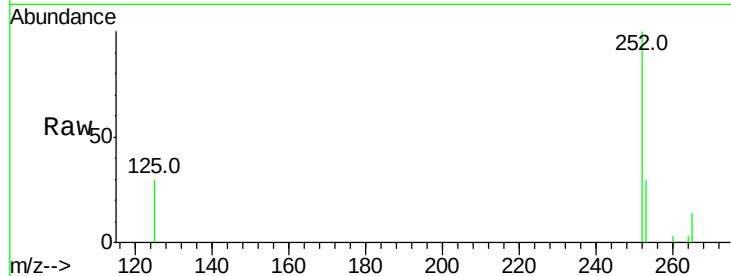
Tot Ion:252 Resp: 7853

Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.6	27.8#
125	30.4	10.7	16.1#

Manual Integrations
APPROVED

Sohil

9/26/2017 5:04:05 PM



#37

Benzo(a)pyrene

Concen: 1.521 ng

RT: 23.80 min Scan# 2097

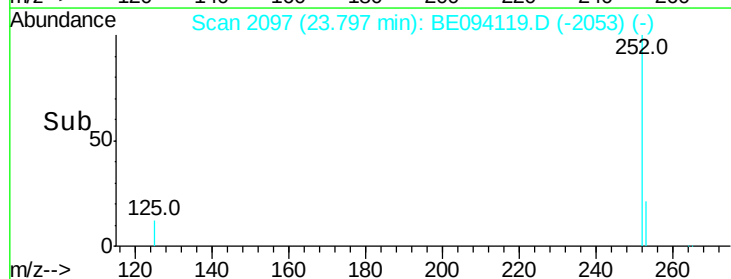
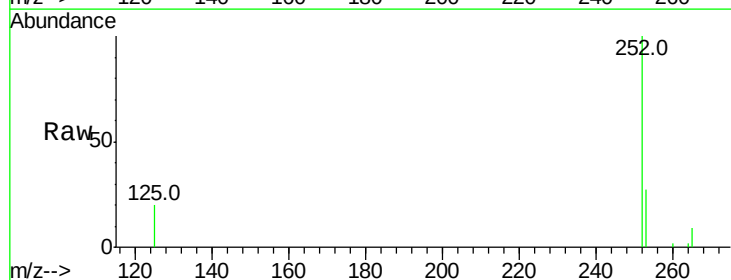
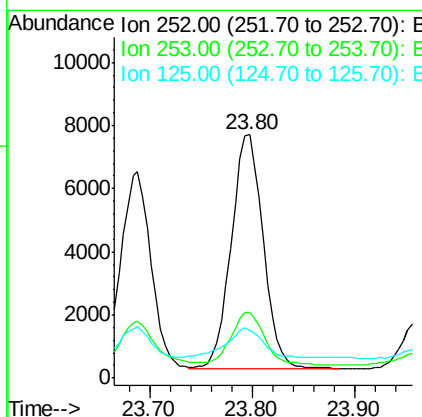
Delta R.T. 0.00 min

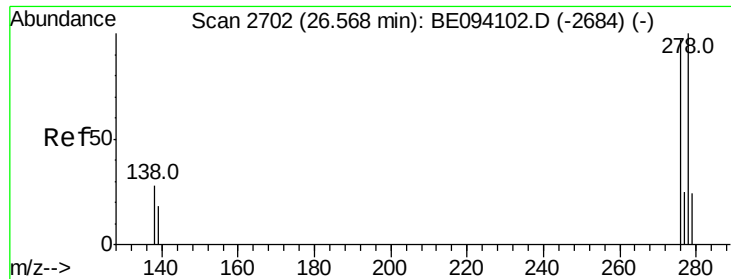
Lab File: BE094119.D

Acq: 26 Sep 2017 1:30

Tgt Ion:252 Resp: 16080

Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.0	28.6
125	19.7	11.8	17.8#





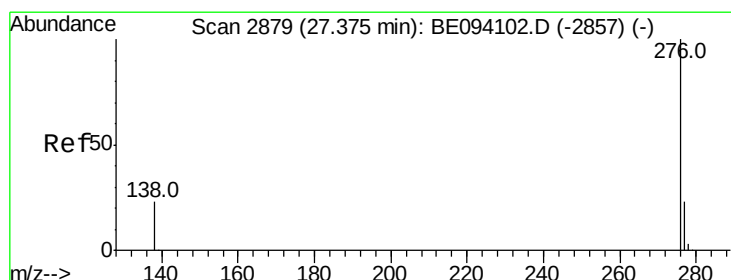
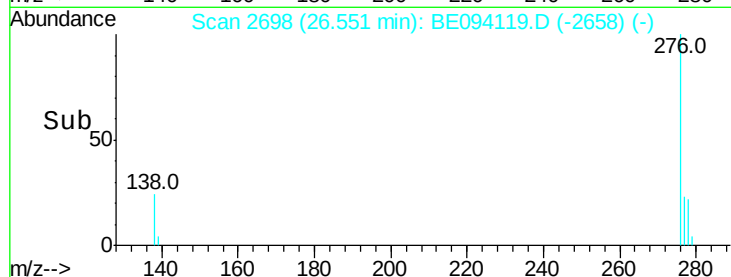
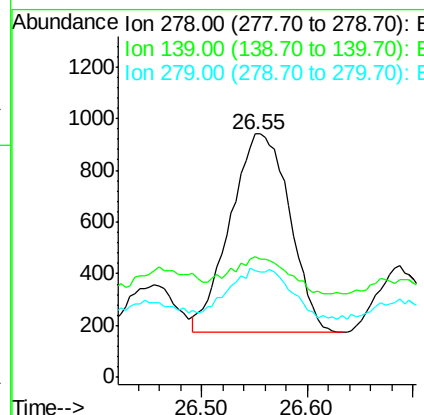
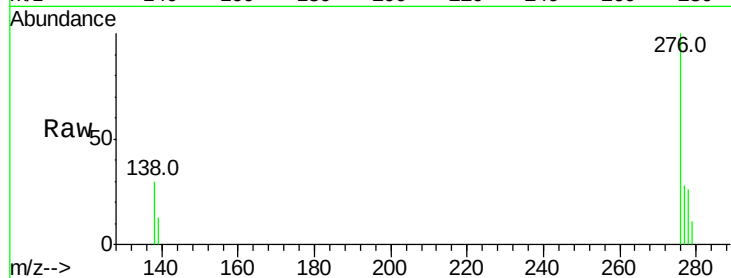
#38
Dibenzo(a,h)anthracene
Concen: 0.300 ng
RT: 26.55 min Scan# 2698
Delta R.T. -0.02 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Instrument :
BNA_E
ClientSampled :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	49.5	16.3	24.5#
279	43.7	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/26/2017 5:04:05 PM



#39
Benzo(g,h,i)perylene
Concen: 1.169 ng
RT: 27.37 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BE094119.D
Acq: 26 Sep 2017 1:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	20.8	31.2
138	30.8	21.5	32.3

