

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094116.D
 Acq On : 25 Sep 2017 23:37
 Operator : SJ/JU
 Sample : I5340-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-011

Manual Integrations
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 9/26/2017 5:03:57 PM

Quant Time: Sep 26 03:03:28 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	1642	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8317	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5456	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	20546	0.40	ng	0.00
27) Chrysene-d12	21.40	240	16287	0.40	ng	0.00
34) Perylene-d12	23.91	264	15332	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1788	0.29	ng	0.00
5) Phenol-d6	7.09	99	2703	0.31	ng	0.00
8) Nitrobenzene-d5	9.06	82	2578	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3544	0.28	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	892	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	4681	0.26	ng	0.00
25) Fluoranthene-d10	19.27	212	40672	0.20	ng	0.00
29) Terphenyl-d14	19.85	244	5949	0.20	ng	0.00
Target Compounds						
9) Naphthalene	10.74	128	3092	0.033	ng	Qvalue # 93
12) 2-Methylnaphthalene	12.35	142	472	0.031	ng	# 76
16) Acenaphthylene	14.23	152	5884	0.215	ng	100
17) Acenaphthene	14.57	154	1033	0.060	ng	95
18) Fluorene	15.56	166	1655m	0.071	ng	
23) Phenanthrene	17.27	178	65118	1.239	ng	98
24) Anthracene	17.37	178	10123	0.184	ng	# 95
26) Fluoranthene	19.30	202	129428	2.197	ng	99
28) Pyrene	19.65	202	124983	2.422	ng	# 95
30) Benzo(a)anthracene	21.38	228	59691	1.088	ng	97
31) Chrysene	21.44	228	68785	1.300	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	40923	0.038	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	38217	0.675	ng	96
35) Benzo(b)fluoranthene	23.14	252	82624	1.494	ng	96
36) Benzo(k)fluoranthene	23.18	252	30182m	0.570	ng	
37) Benzo(a)pyrene	23.79	252	57434	1.149	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	9845	0.208	ng	# 79
39) Benzo(a,h,i)perylene	27.37	276	38551	0.823	ng	100

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

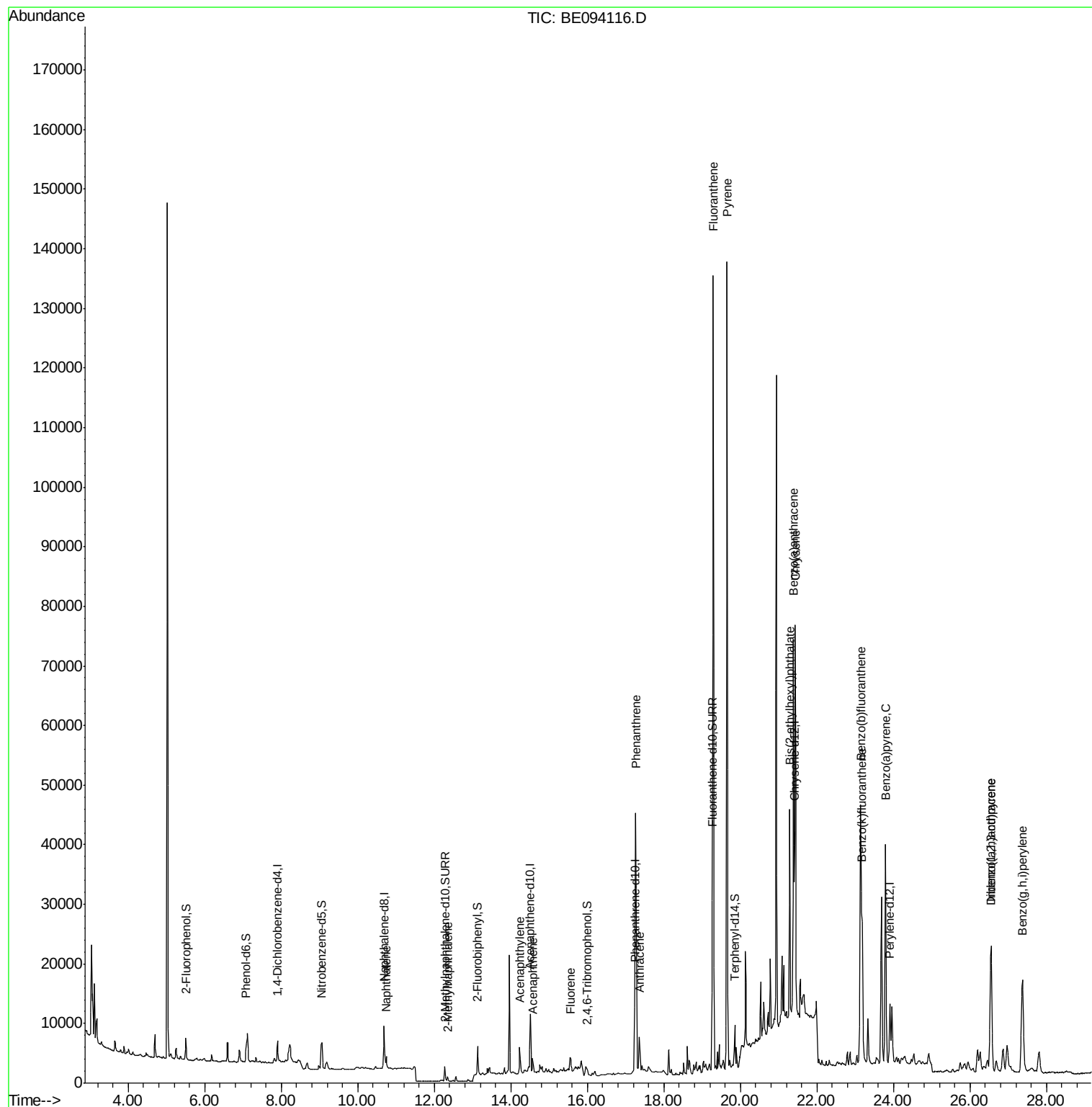
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
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ALS Vial : 10 Sample Multiplier: 1

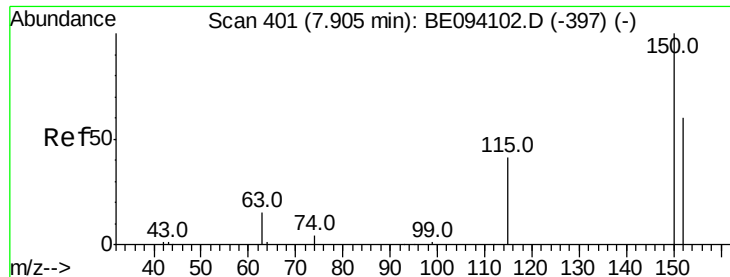
Instrument :
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ClientSampled :
LT-TS-011

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

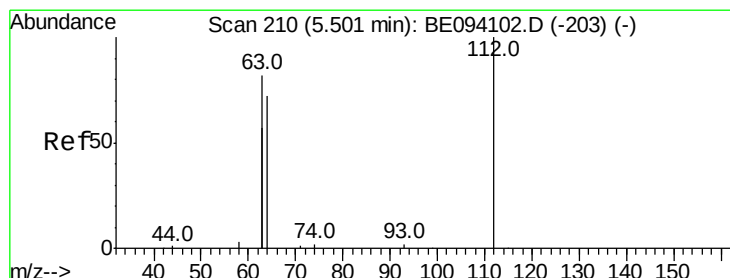
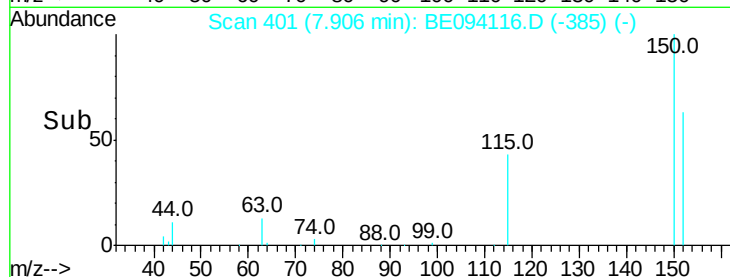
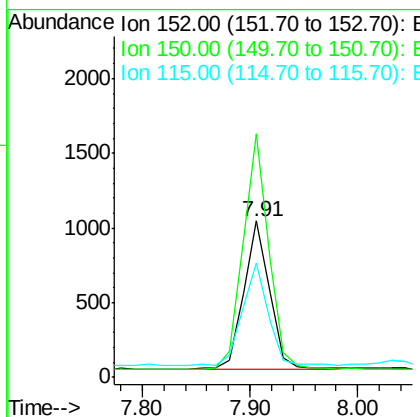
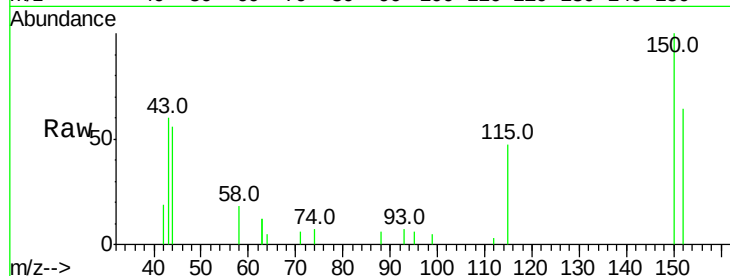
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampled :
LT-TS-011

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	117.2	175.8
115	73.3	57.0	85.6

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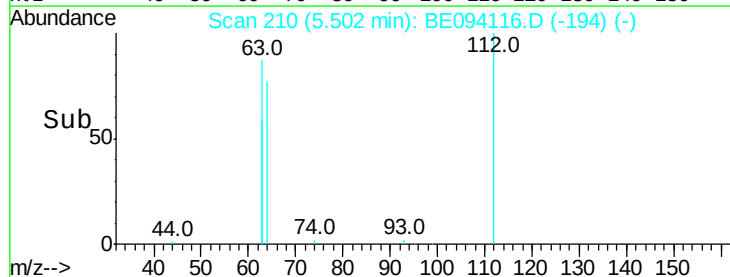
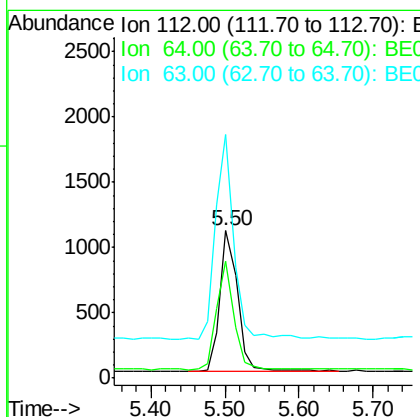
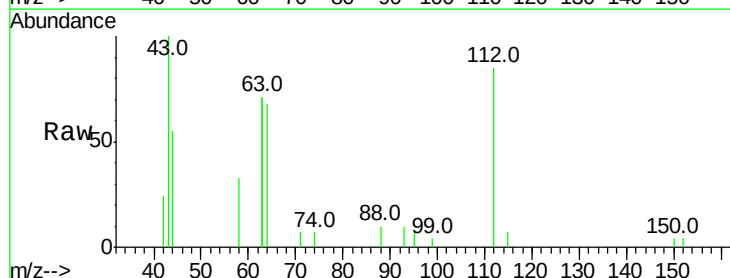
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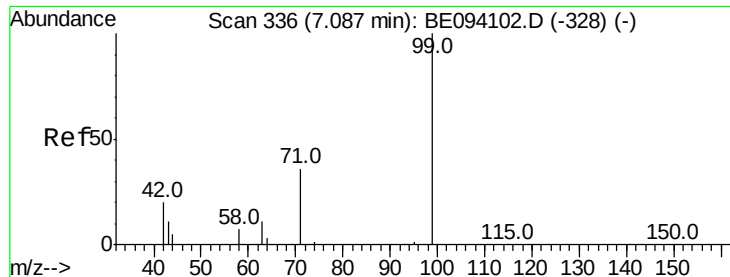


#4

2-Fluorophenol
Concen: 0.287 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.7	60.1	90.1
63	144.6	116.8	175.2





#5

Phenol-d6

Concen: 0.313 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

Instrument :

BNA_E

ClientSampleId :

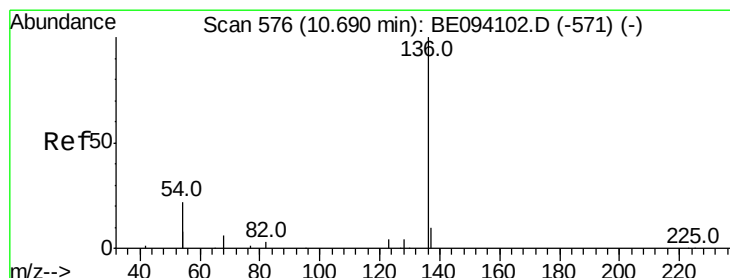
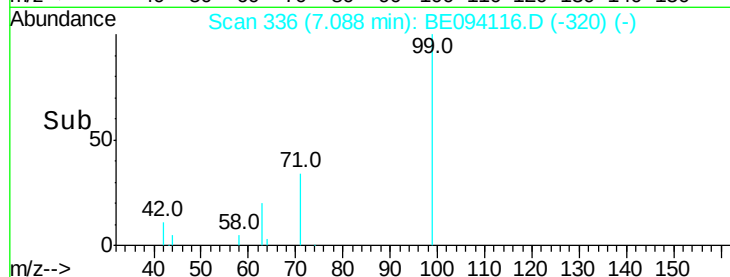
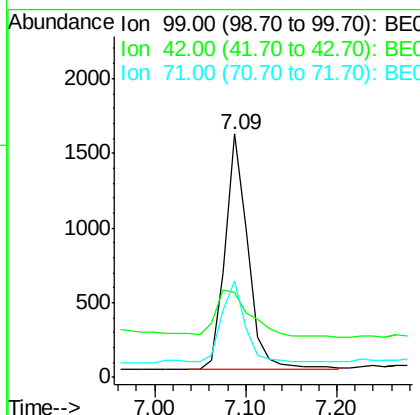
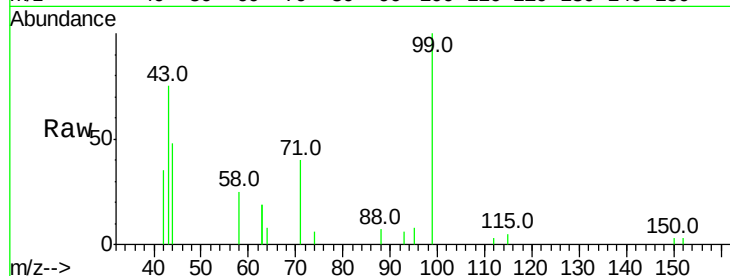
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Tot Ion:	99	Resp:	2703
Ion	Ratio	Lower	Upper
99	100		
42	32.2	20.2	30.2#
71	39.1	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

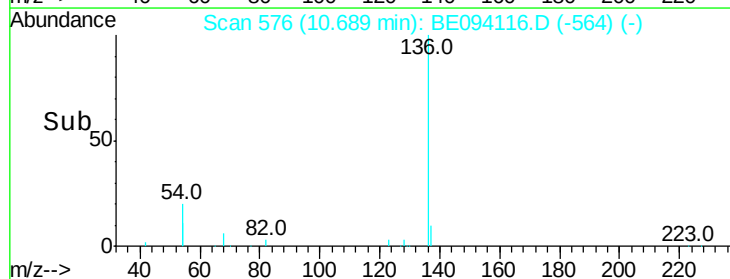
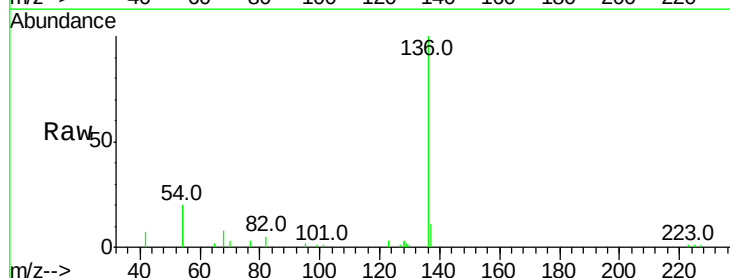
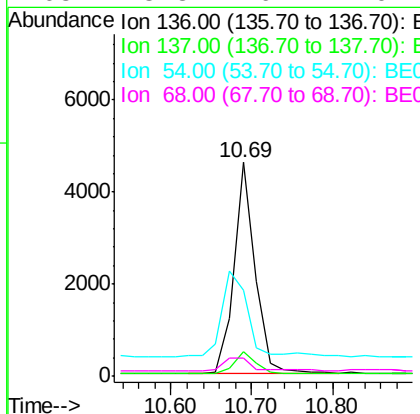
RT: 10.69 min Scan# 576

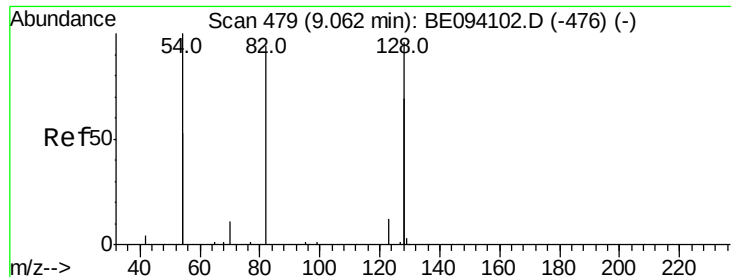
Delta R.T. -0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

Tgt Ion:	136	Resp:	8317
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	40.3	29.1	43.7
68	8.3	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.320 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

Instrument :

BNA_E

ClientSampled :

LT-TS-011

Tot Ion: 82 Resp: 2578

Ion Ratio Lower Upper

82 100

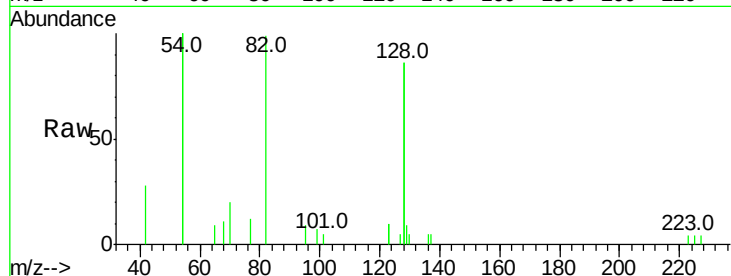
128 175.4 150.0 225.0

54 203.0 154.2 231.4

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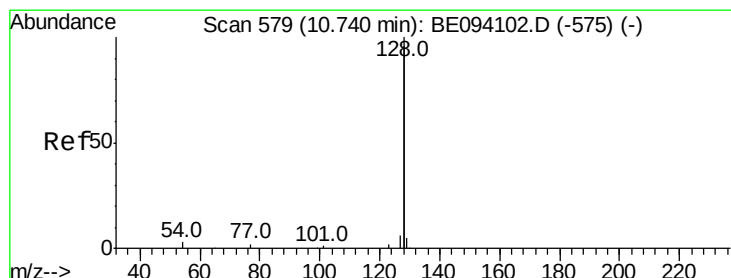
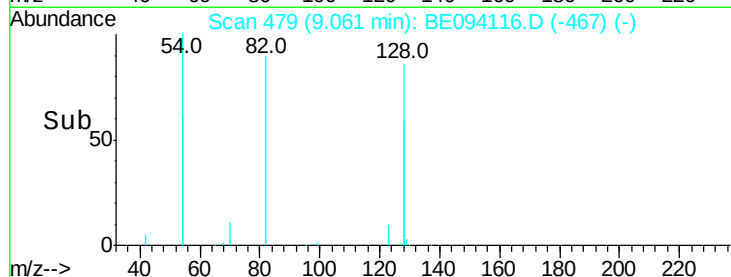
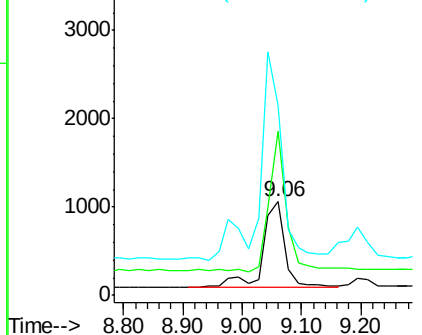
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Abundance Ion 82.00 (81.70 to 82.70): BE094116.D (-467) (-)

Ion 128.00 (127.70 to 128.70): BE094116.D (-467) (-)

Ion 54.00 (53.70 to 54.70): BE094116.D (-467) (-)



#9

Naphthalene

Concen: 0.033 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

Tgt Ion: 128 Resp: 3092

Ion Ratio Lower Upper

128 100

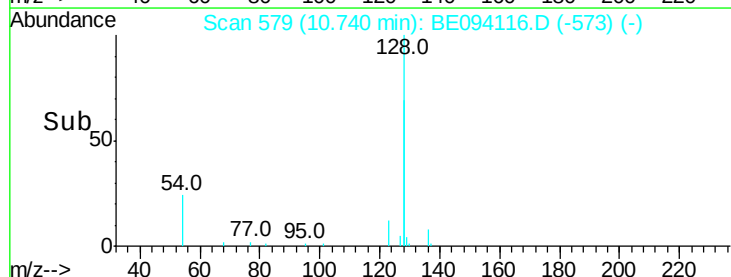
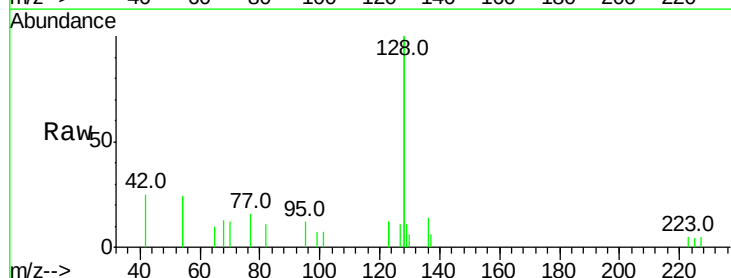
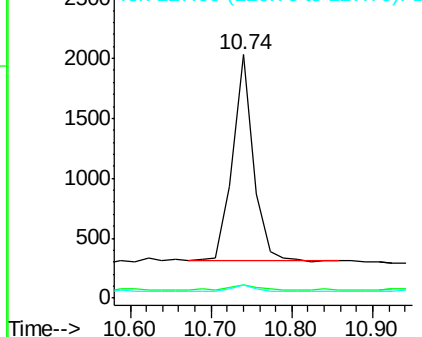
129 5.6 2.6 3.8#

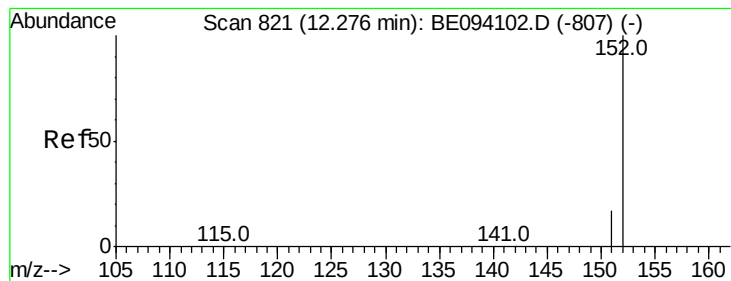
127 5.5 2.8 4.2#

Abundance Ion 128.00 (127.70 to 128.70): BE094116.D (-573) (-)

Ion 129.00 (128.70 to 129.70): BE094116.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE094116.D (-573) (-)





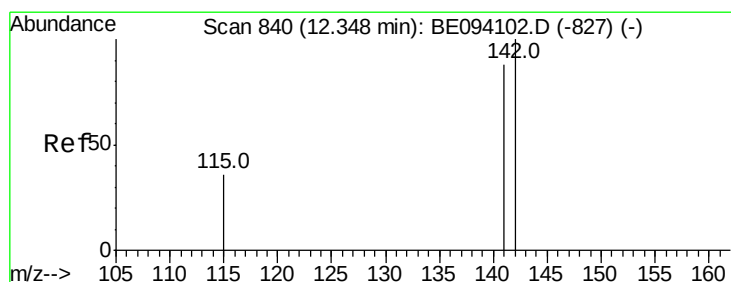
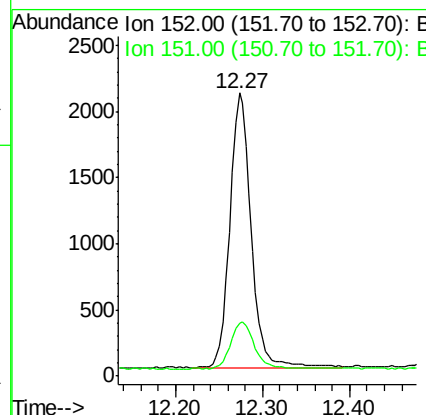
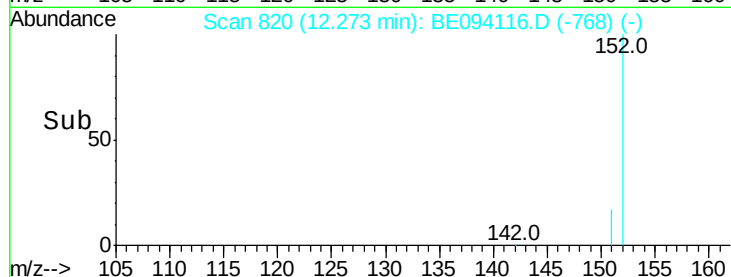
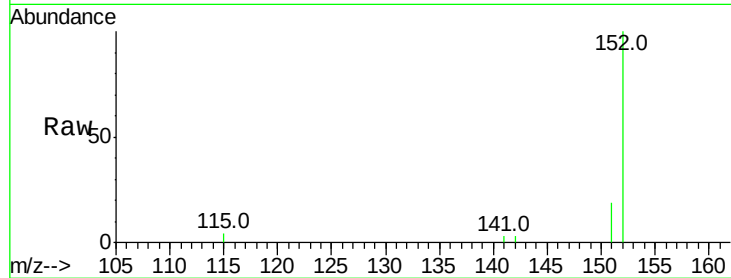
#11
2-Methylnaphthalene-d10
Concen: 0.277 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampled :
LT-TS-011

Tot Ion:152 Resp: 3544
Ion Ratio Lower Upper
152 100
151 18.6 15.4 23.0

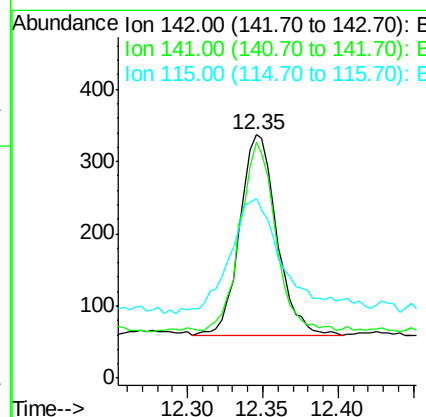
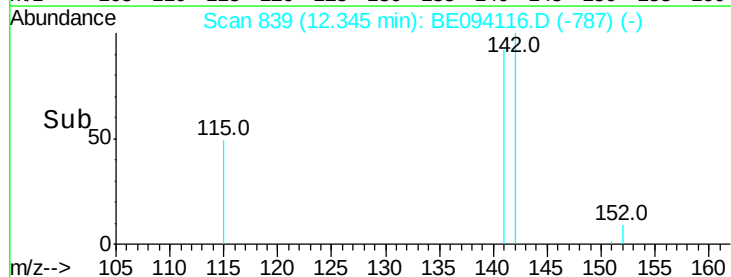
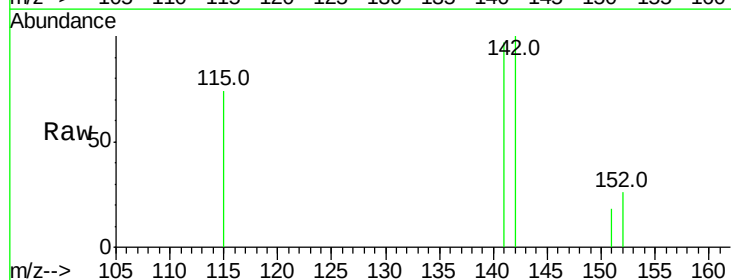
Manual Integrations
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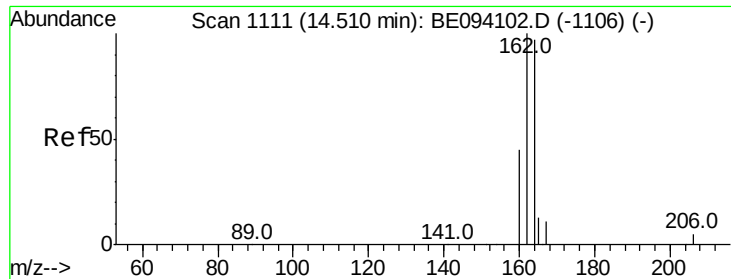
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#12
2-Methylnaphthalene
Concen: 0.031 ng
RT: 12.35 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion:142 Resp: 472
Ion Ratio Lower Upper
142 100
141 96.7 70.4 105.6
115 73.9 31.7 47.5#





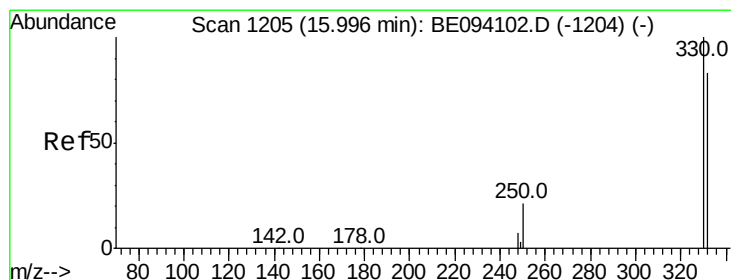
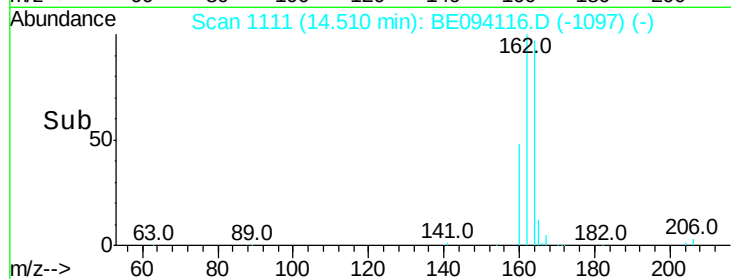
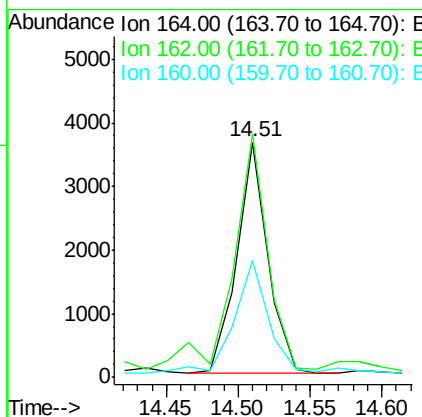
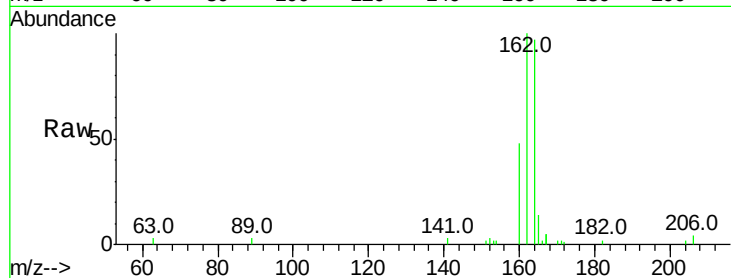
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094116.D
 Acq: 25 Sep 2017 23:37

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-011

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.1	124.7
160	49.9	37.1	55.7

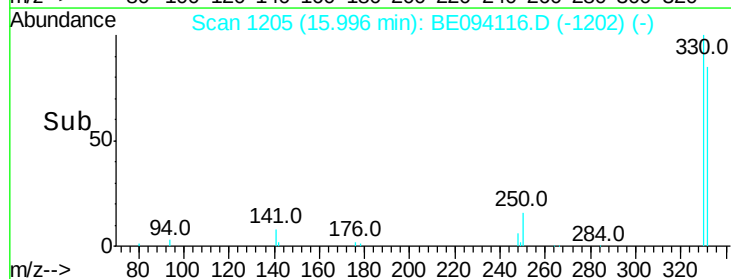
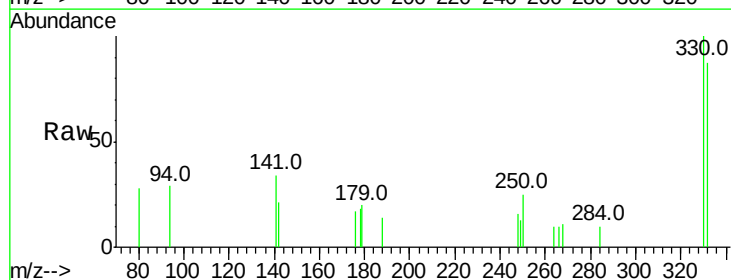
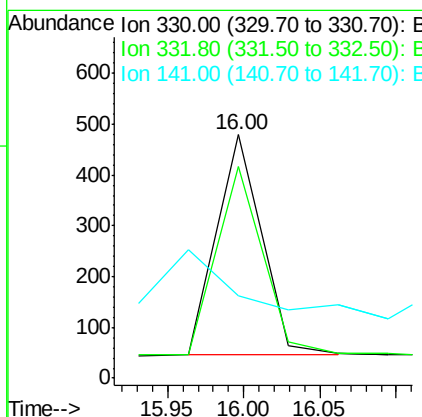
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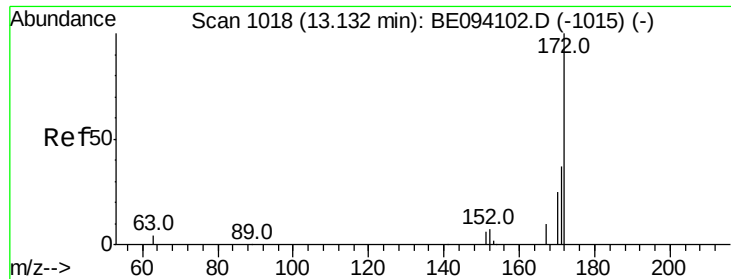
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#14
 2,4,6-Tribromophenol
 Concen: 0.273 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094116.D
 Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	86.8	152.7	229.1#
141	0.0	33.7	50.5#





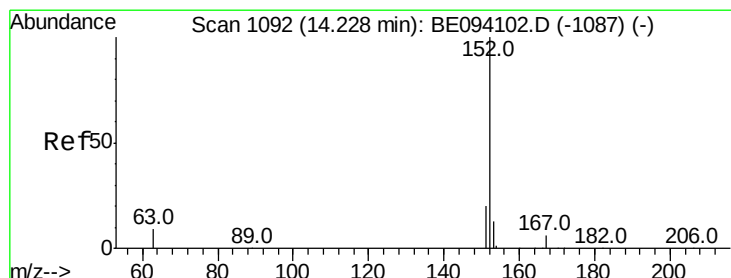
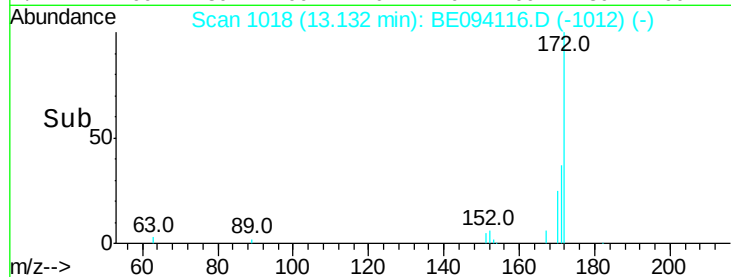
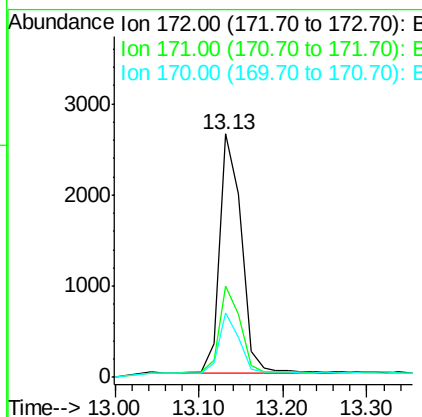
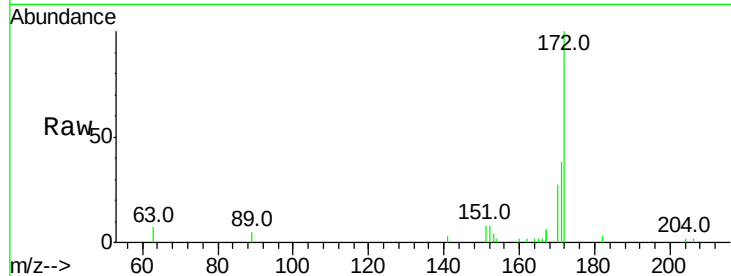
#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampleId :
LT-TS-011

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	29.9	44.9
170	26.5	21.8	32.8

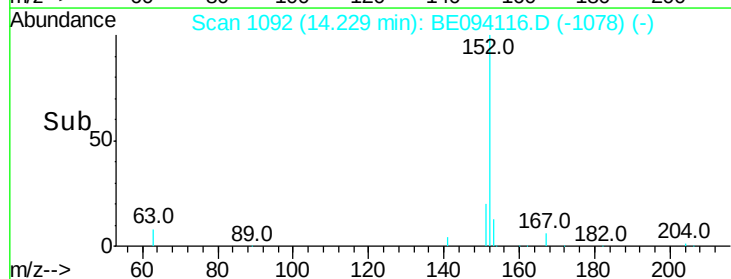
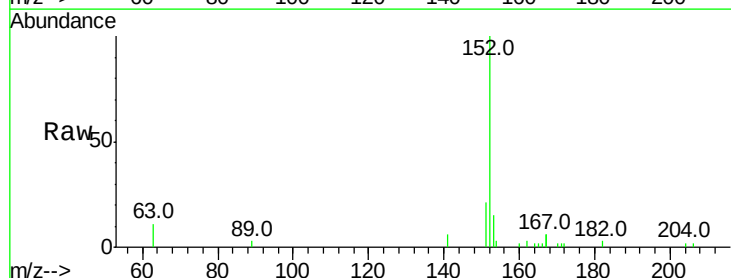
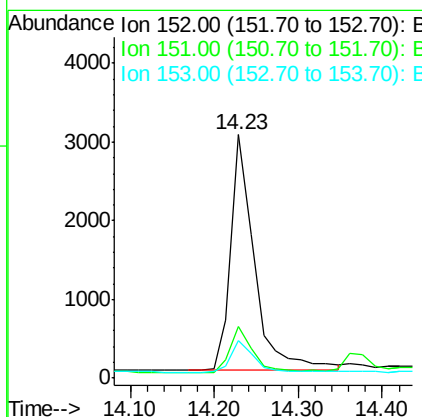
Manual Integrations
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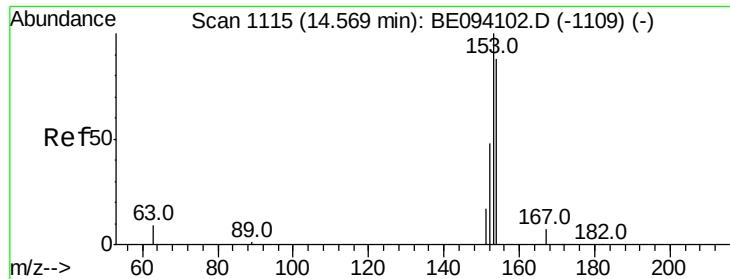
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#16
Acenaphthylene
Concen: 0.215 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.5	15.7





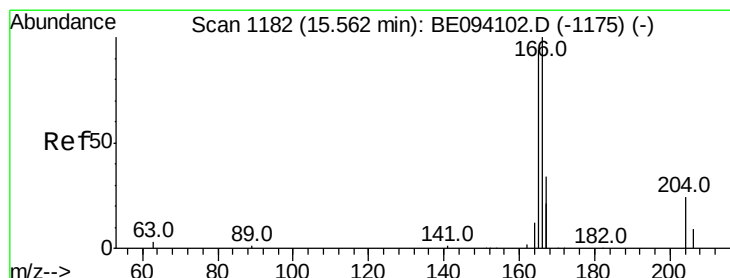
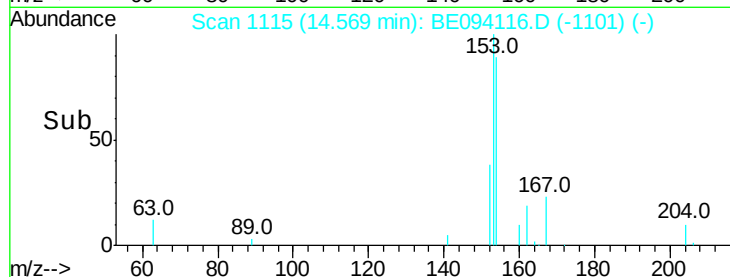
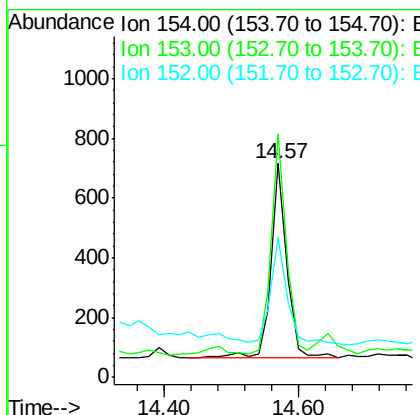
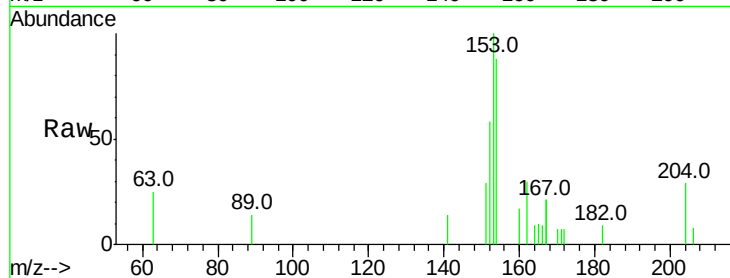
#17
Acenaphthene
Concen: 0.060 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampled :
LT-TS-011

Tot Ion:154 Resp: 1033
Ion Ratio Lower Upper
154 100
153 110.5 89.2 133.8
152 61.7 42.0 63.0

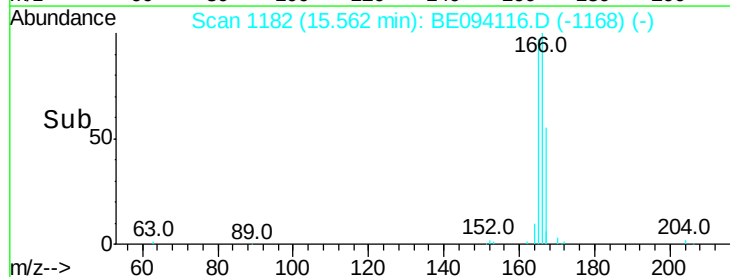
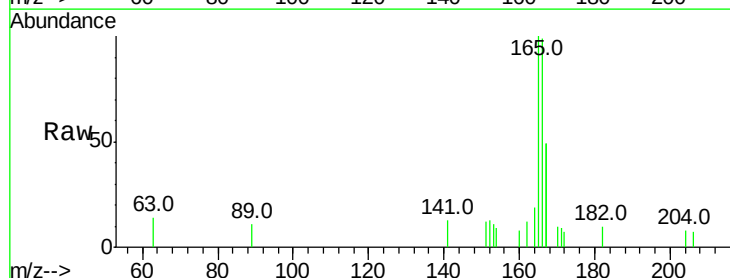
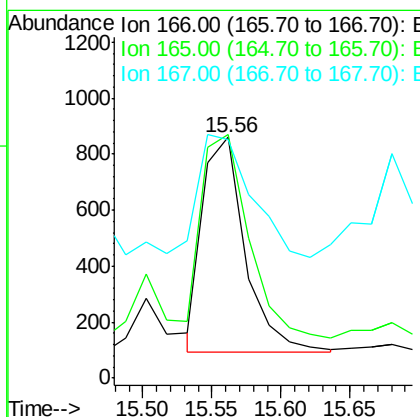
Manual Integrations
APPROVED

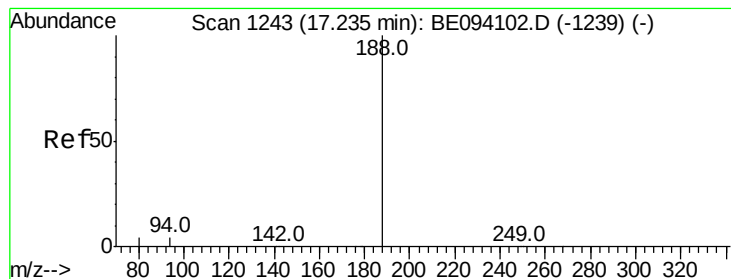
Sohil
9/26/2017 5:03:57 PM



#18
Fluorene
Concen: 0.071 ng m
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion:166 Resp: 1655
Ion Ratio Lower Upper
166 100
165 140.8 77.8 116.6#
167 71.8 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: BE094116.D

Acq: 25 Sep 2017 23:37

Instrument :

BNA_E

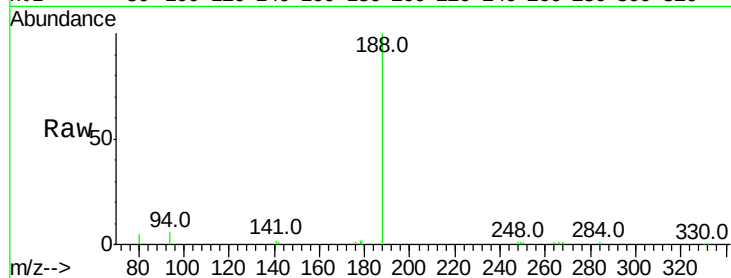
ClientSampled :

LT-TS-011

Tot Ion:	188	Resp:	20546
Ion Ratio	Lower	Upper	
188	100		
94	5.6	3.9	5.9
80	4.9	3.6	5.4

Manual Integrations
APPROVED

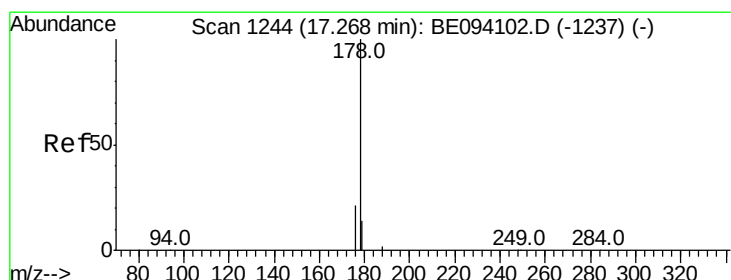
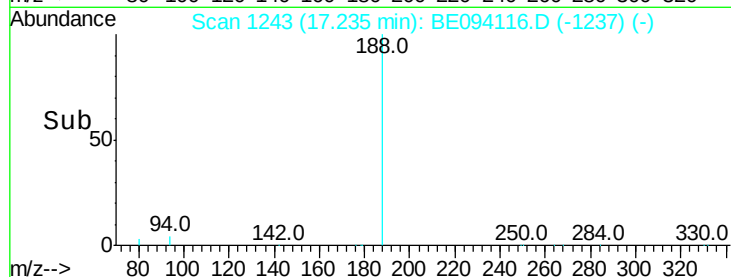
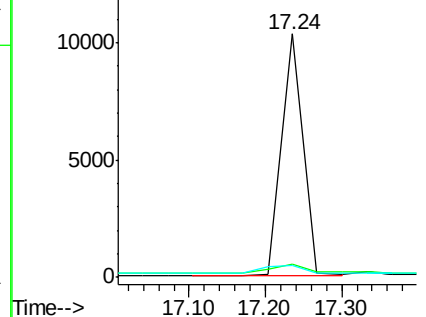
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 1.239 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094116.D

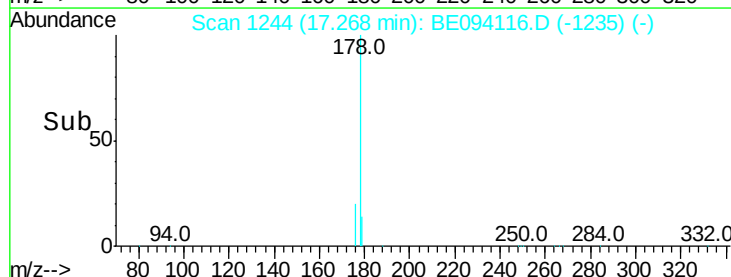
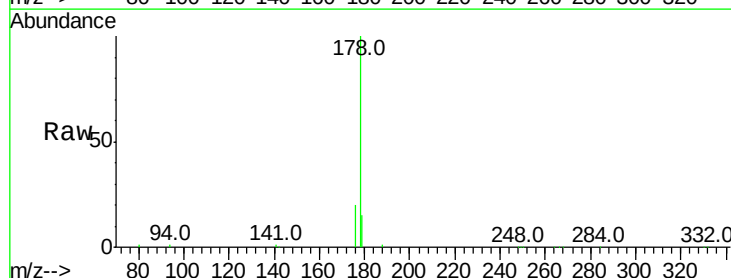
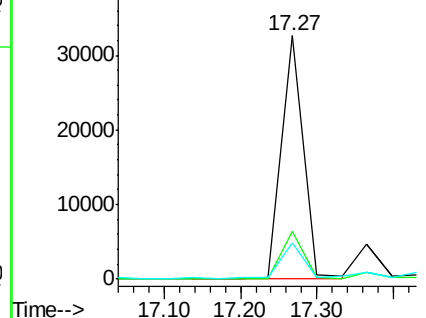
Acq: 25 Sep 2017 23:37

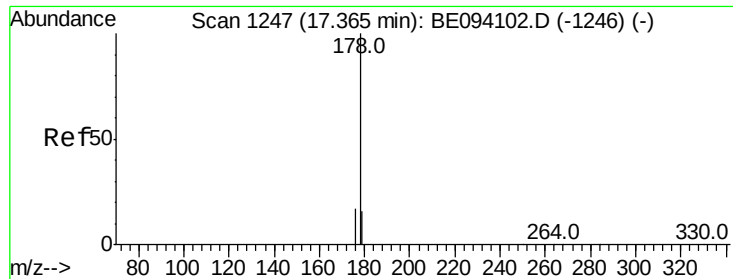
Tgt Ion:	178	Resp:	65118
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.1	22.7
179	15.6	11.8	17.6

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.184 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

Instrument :

BNA_E

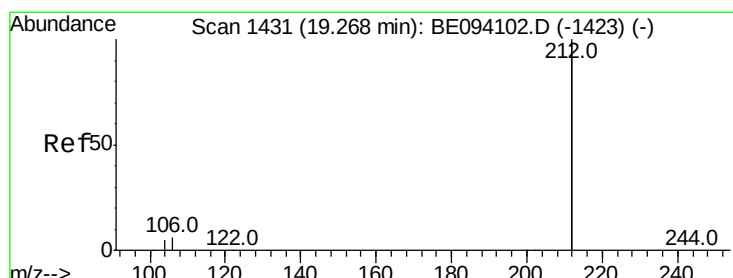
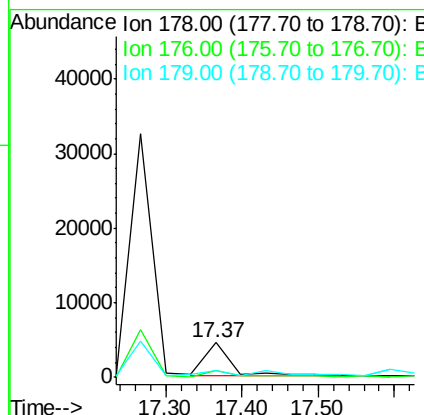
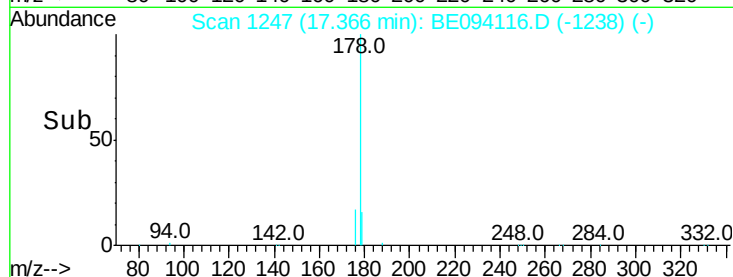
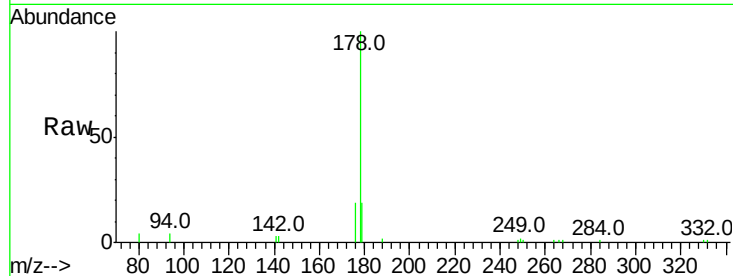
ClientSampleId :

LT-TS-011

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.0	12.8	19.2
179	12.2	13.0	19.6#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.204 ng

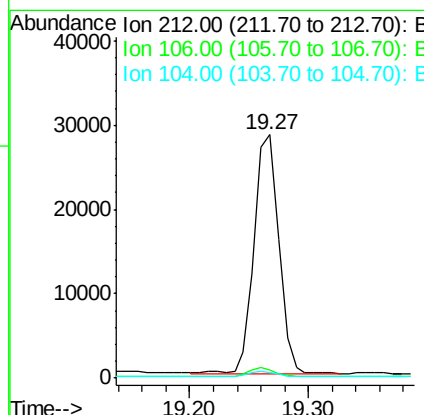
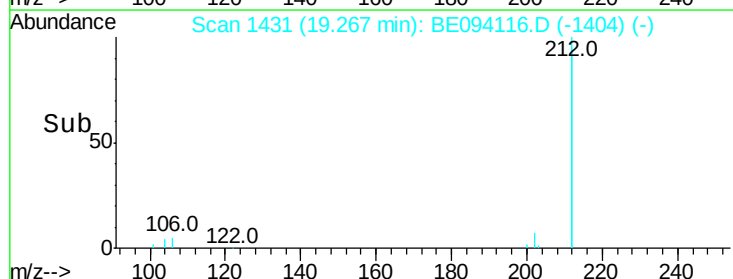
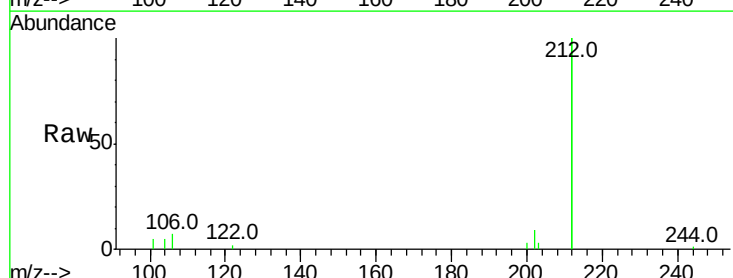
RT: 19.27 min Scan# 1431

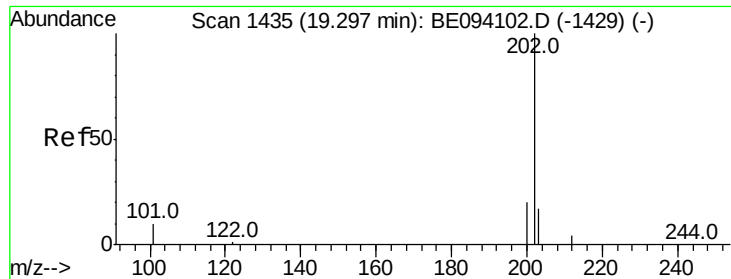
Delta R.T. -0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

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





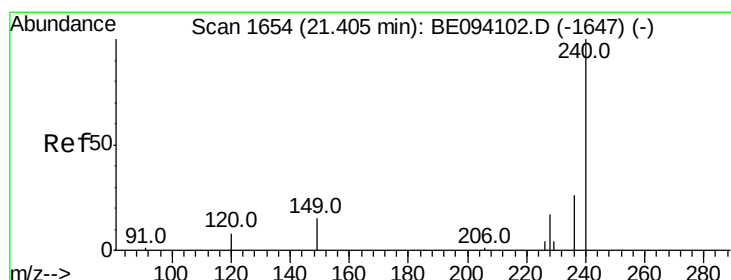
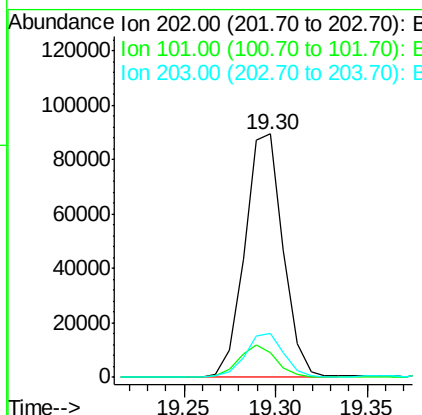
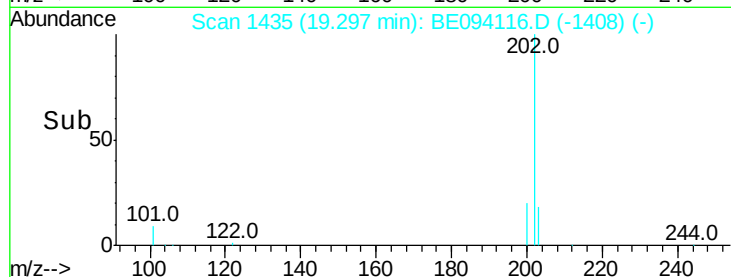
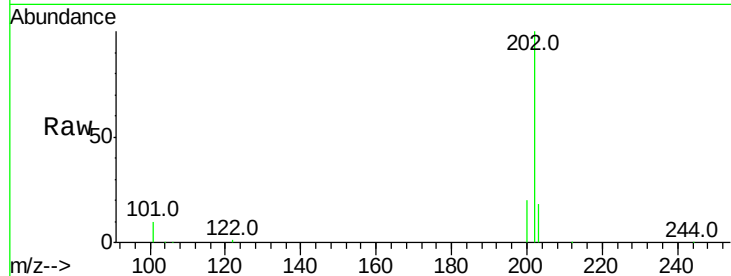
#26
 Fluoranthene
 Concen: 2.197 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094116.D
 Acq: 25 Sep 2017 23:37

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-011

Tot Ion:	202	Resp:	129428
Ion Ratio	Lower	Upper	
202	100		
101	12.6	9.8	14.8
203	17.6	13.7	20.5

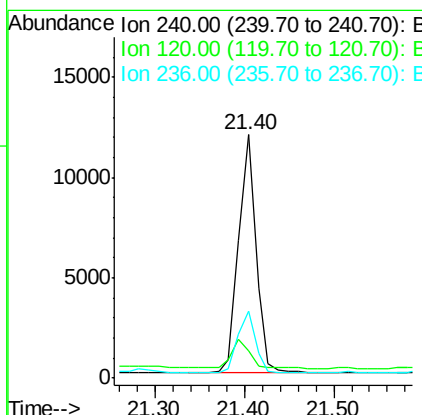
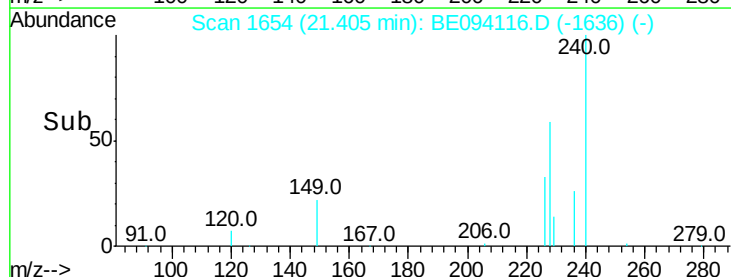
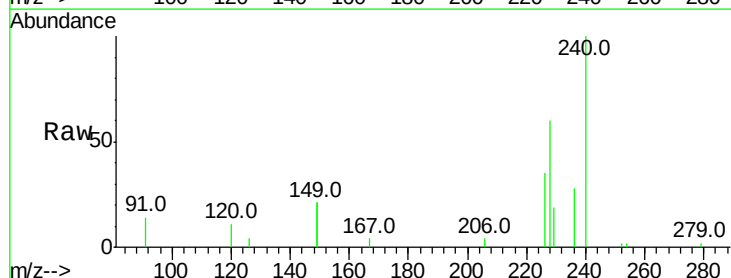
Manual Integrations
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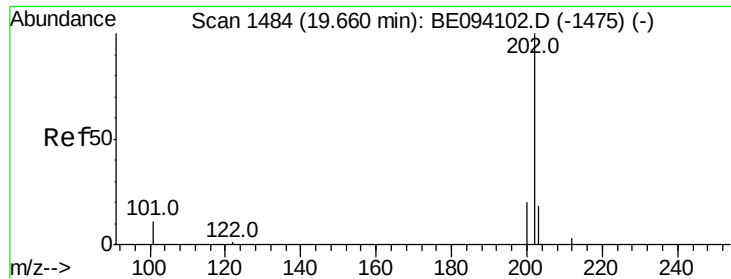
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094116.D
 Acq: 25 Sep 2017 23:37

Tgt Ion:	240	Resp:	16287
Ion Ratio	Lower	Upper	
240	100		
120	11.0	5.5	8.3#
236	27.6	20.7	31.1





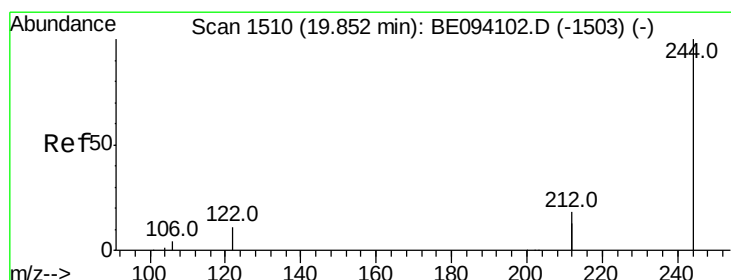
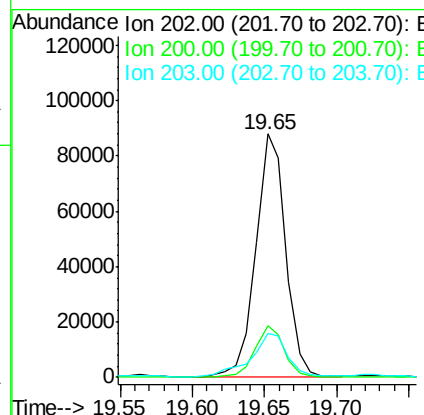
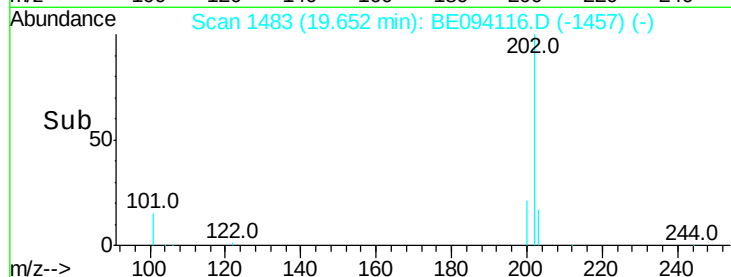
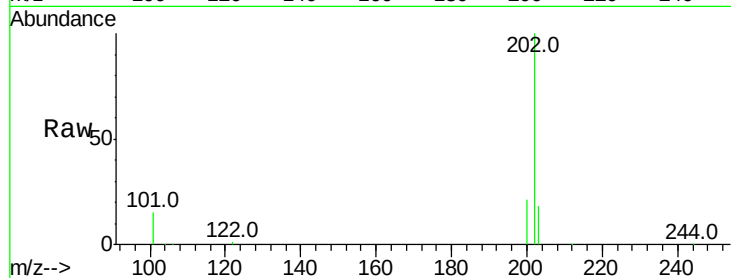
#28
Pvrene
Concen: 2.422 ng
RT: 19.65 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampled :
LT-TS-011

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.6	25.0
203	21.6	13.8	20.8

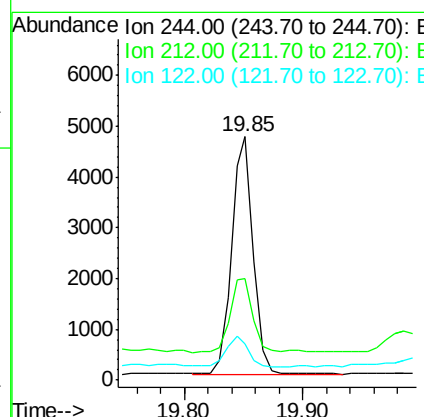
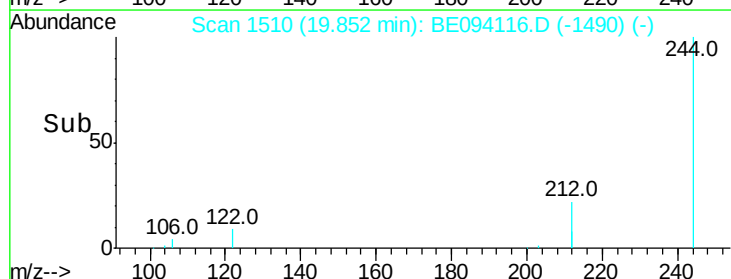
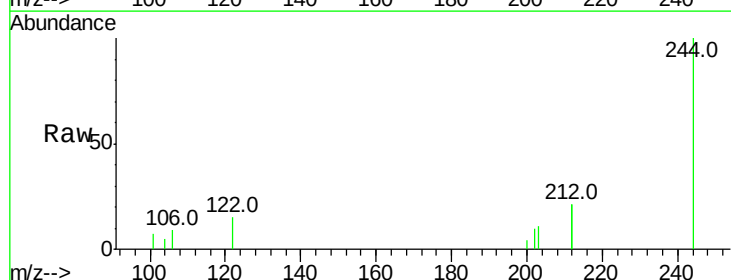
Manual Integrations
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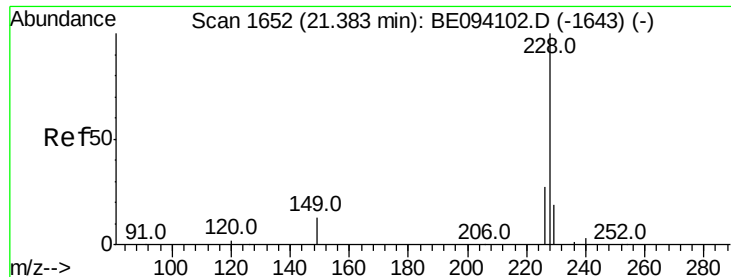
Sohil
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#29
Terphenyl-d14
Concen: 0.200 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	42.0	25.4	38.0
122	14.8	8.1	12.1





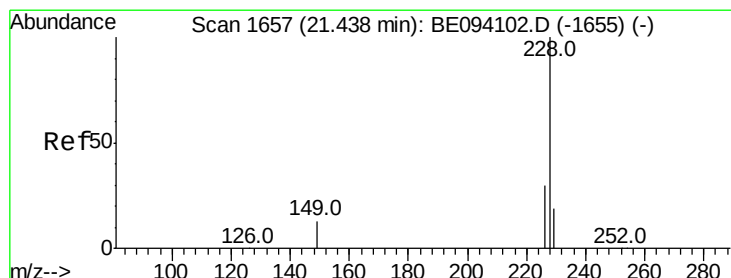
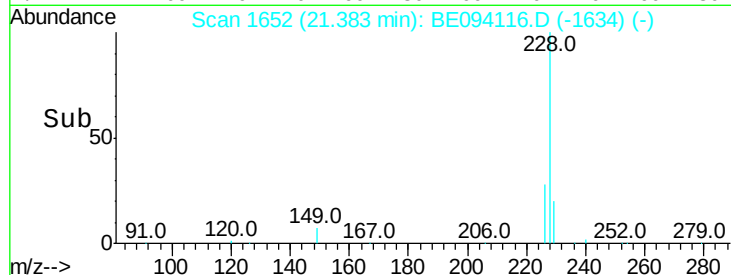
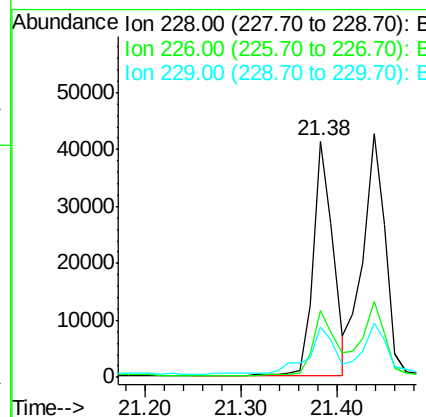
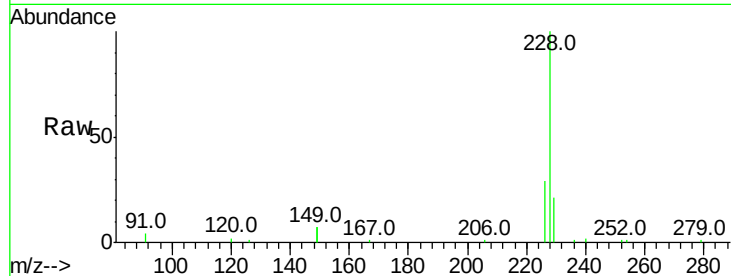
#30
Benzo(a)anthracene
Concen: 1.088 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampled :
LT-TS-011

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.4	32.0
229	21.3	16.4	24.6

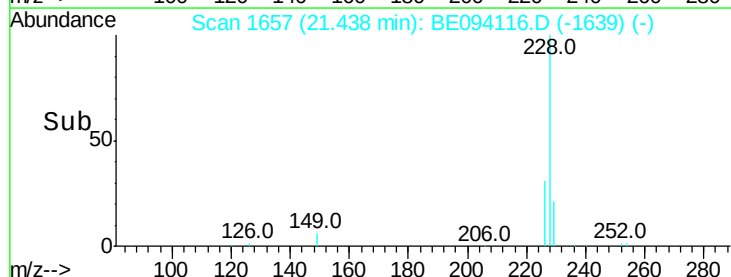
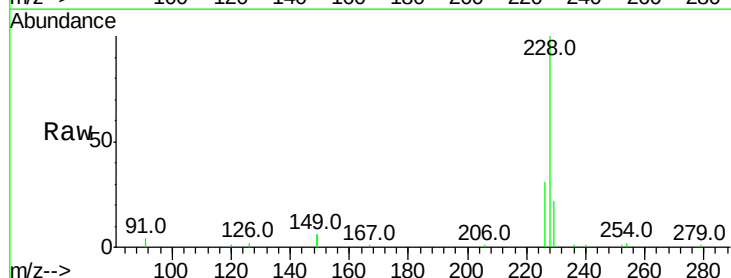
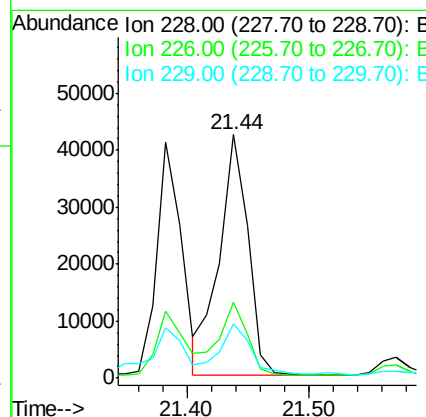
Manual Integrations
APPROVED

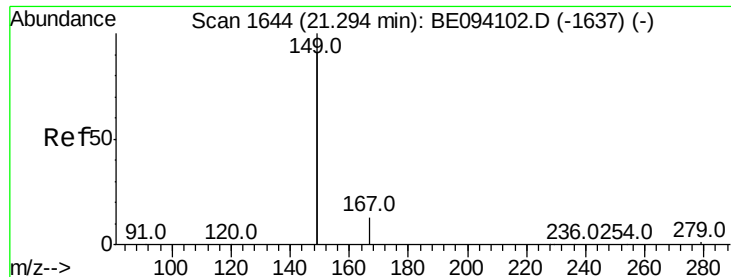
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#31
Chrysene
Concen: 1.300 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.6	35.4
229	22.2	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.038 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

Instrument :

BNA_E

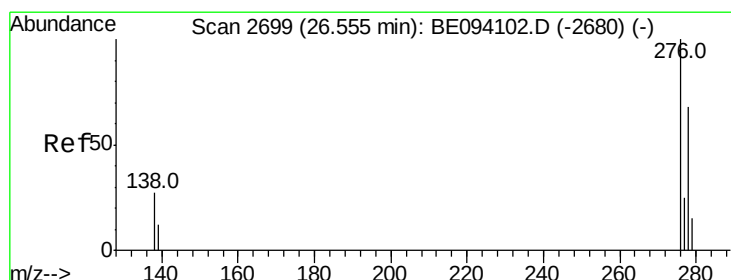
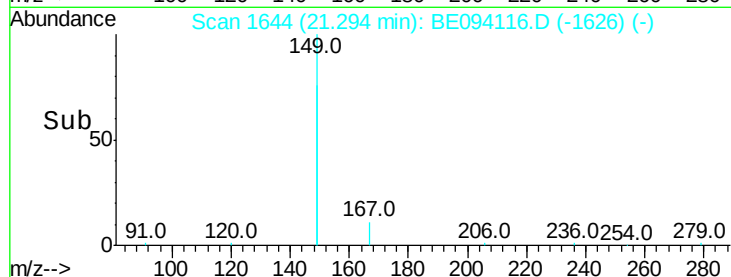
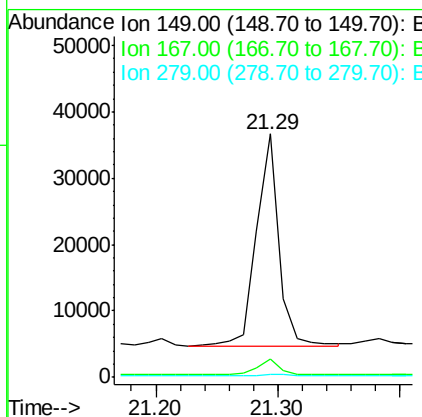
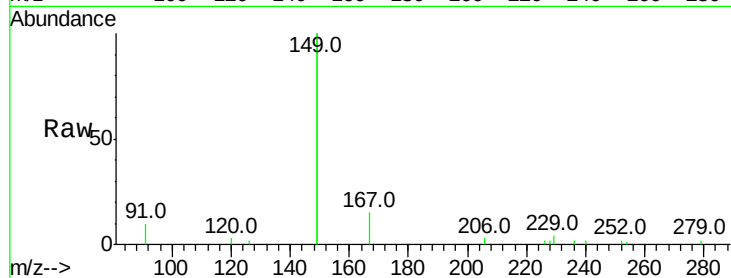
ClientSampled :

LT-TS-011

Tot Ion:	149	Resp:	40923
Ion Ratio	Lower	Upper	
149	100		
167	6.6	5.4	8.0
279	0.8	0.7	1.1

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.675 ng

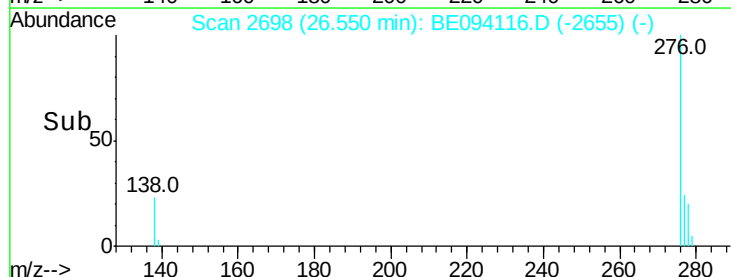
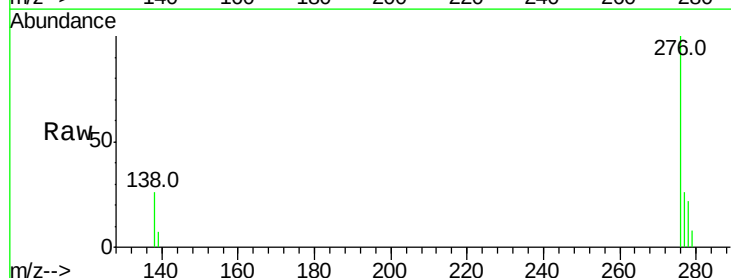
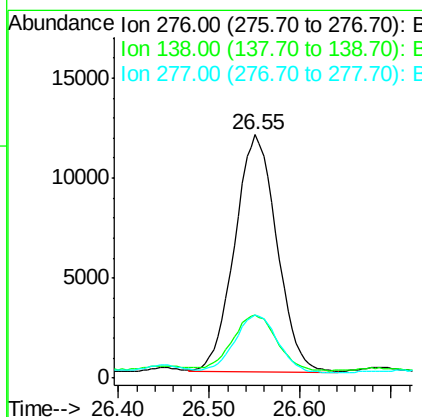
RT: 26.55 min Scan# 2698

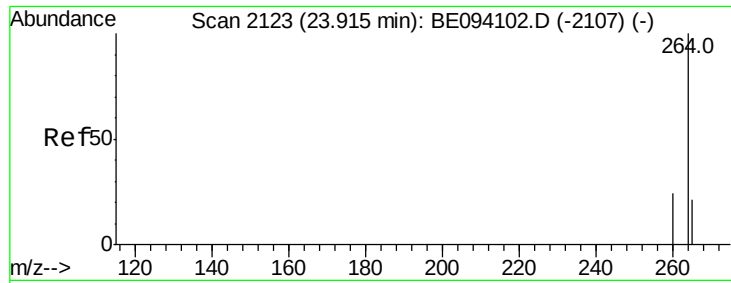
Delta R.T. -0.00 min

Lab File: BE094116.D

Acq: 25 Sep 2017 23:37

Tgt Ion:	276	Resp:	38217
Ion Ratio	Lower	Upper	
276	100		
138	24.4	22.5	33.7
277	24.9	19.9	29.9





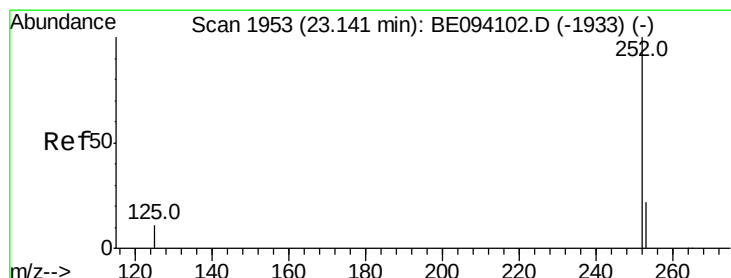
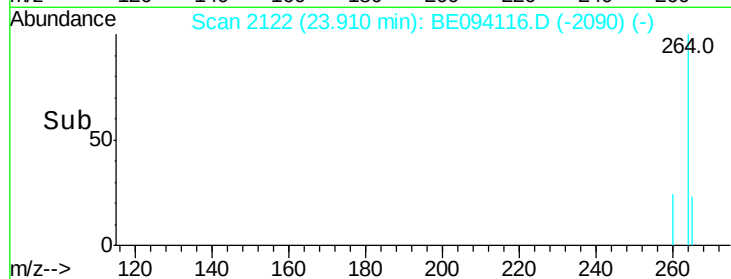
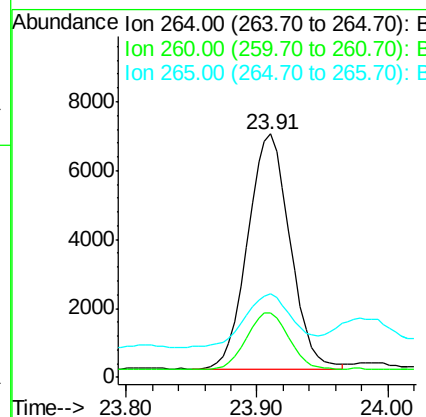
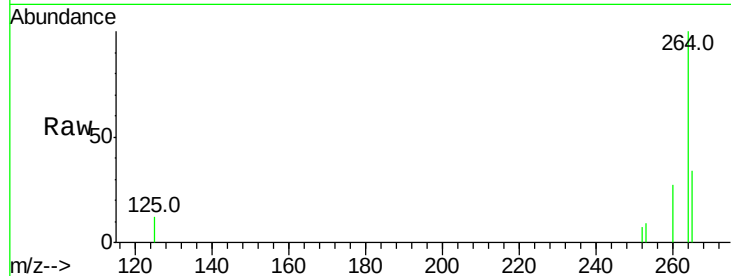
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.01 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampleId :
LT-TS-011

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	26.6	20.5	30.7	
265	34.3	22.8	34.2	

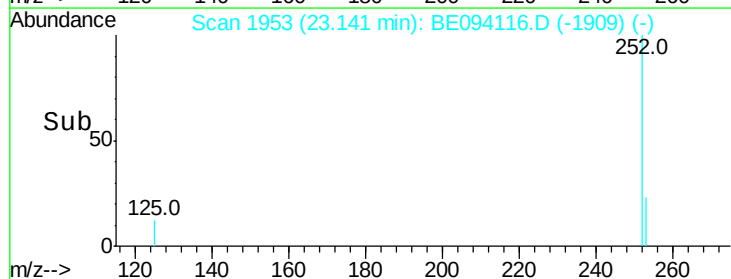
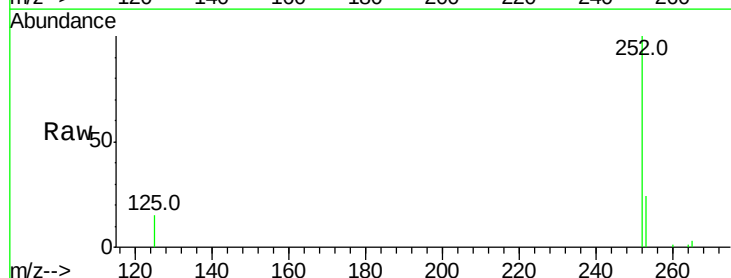
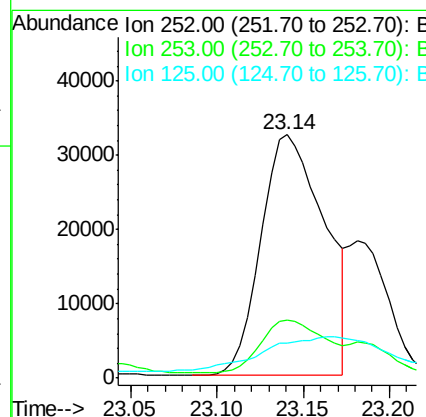
Manual Integrations
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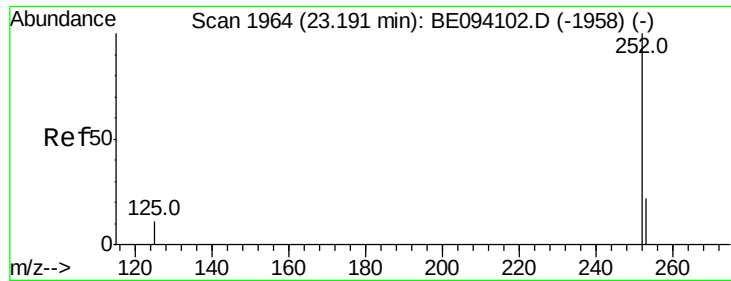
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#35
Benzo(b)fluoranthene
Concen: 1.494 ng
RT: 23.14 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.0	18.2	27.2	
125	14.6	10.1	15.1	





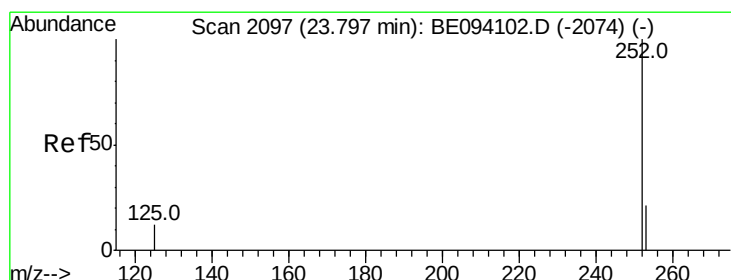
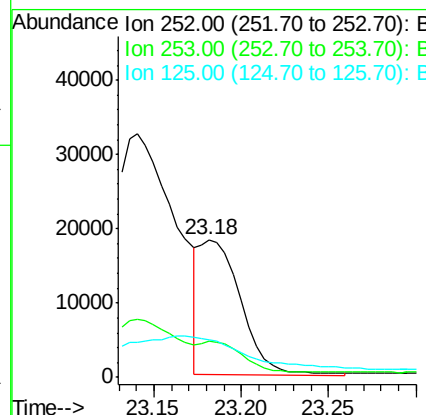
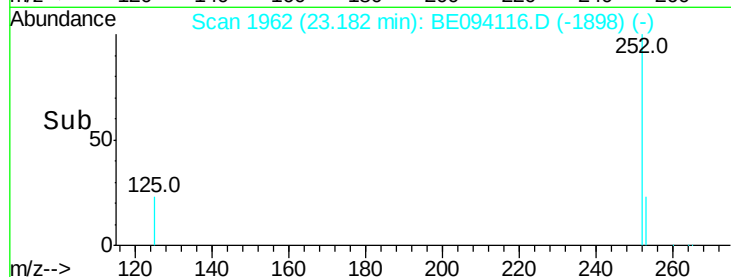
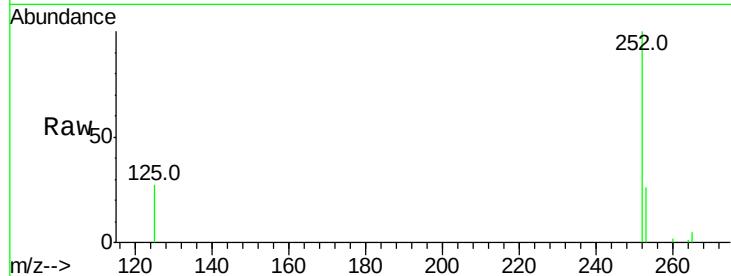
#36
Benzo(k)fluoranthene
Concen: 0.570 ng m
RT: 23.18 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampleId :
LT-TS-011

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.6	27.8
125	27.0	10.7	16.1

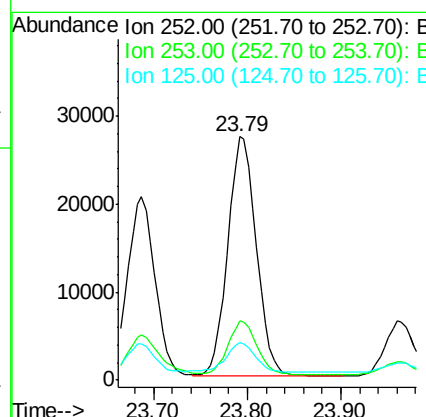
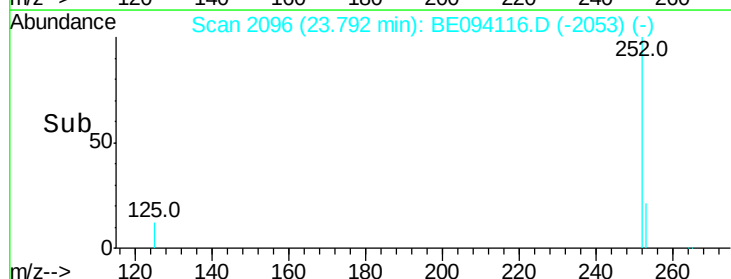
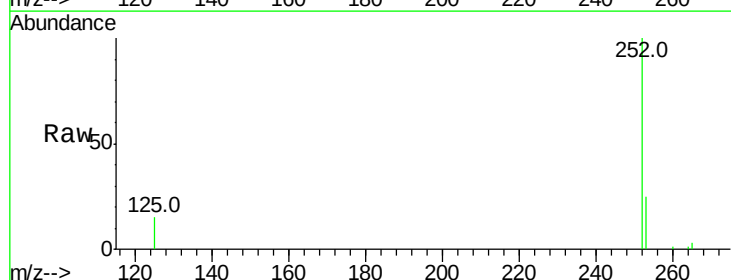
Manual Integrations
APPROVED

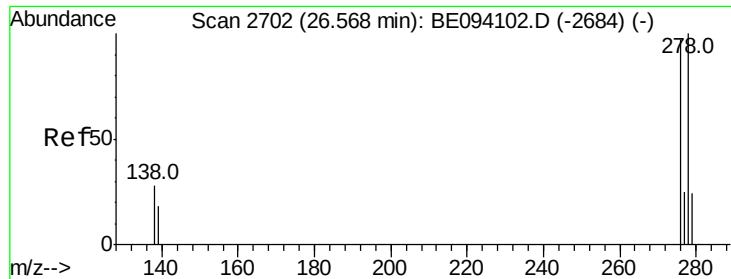
Sohil
9/26/2017 5:03:57 PM



#37
Benzo(a)pyrene
Concen: 1.149 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.01 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.6
125	15.3	11.8	17.8





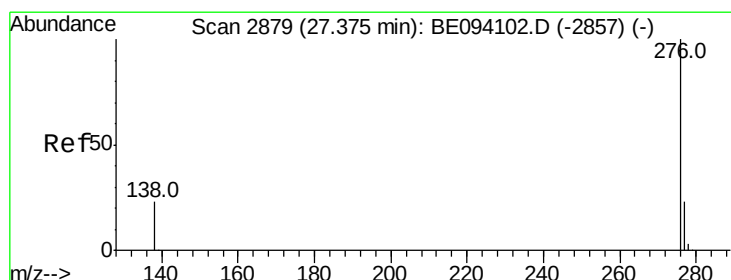
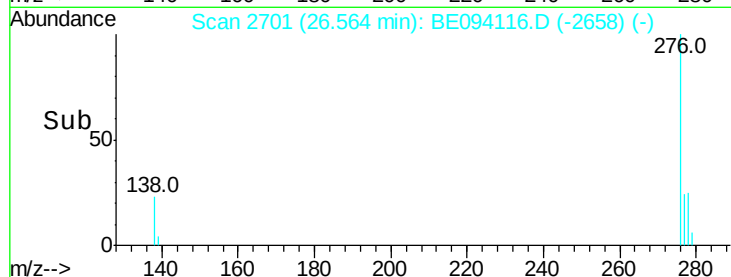
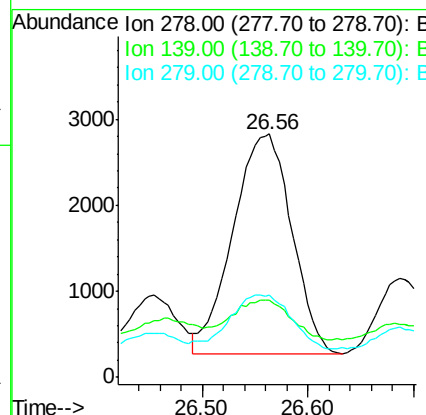
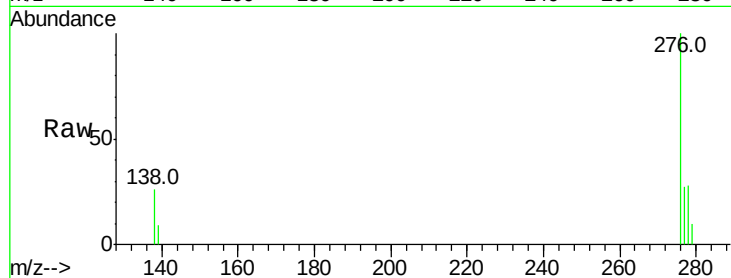
#38
Dibenzo(a,h)anthracene
Concen: 0.208 ng
RT: 26.56 min Scan# 2701
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Instrument :
BNA_E
ClientSampleId :
LT-TS-011

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.8	16.3	24.5#
279	34.1	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/26/2017 5:03:57 PM



#39
Benzo(g,h,i)perylene
Concen: 0.823 ng
RT: 27.37 min Scan# 2878
Delta R.T. -0.00 min
Lab File: BE094116.D
Acq: 25 Sep 2017 23:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.8	31.2
138	26.9	21.5	32.3

