

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094121.D
 Acq On : 26 Sep 2017 2:45
 Operator : SJ/JU
 Sample : I5340-07DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-007DL

Manual Integrations
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Quant Time: Sep 26 04:05:20 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	7.90	152	1539	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7760	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5067	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18318	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14757	0.40	ng	0.00
34) Perylene-d12	23.91	264	13879	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	213	0.04	ng	0.00
5) Phenol-d6	7.10	99	330	0.04	ng	0.01
8) Nitrobenzene-d5	9.06	82	321	0.04	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	463	0.04	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	72	-0.01	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	591	0.04	ng	0.02
25) Fluoranthene-d10	19.27	212	5088	0.03	ng	0.00
29) Terphenyl-d14	19.85	244	815	0.03	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	1666	0.019	ng	# 87
12) 2-Methylnaphthalene	12.35	142	110	0.008	ng	# 68
16) Acenaphthylene	14.23	152	645	0.025	ng	96
17) Acenaphthene	14.57	154	1849	0.117	ng	99
18) Fluorene	15.56	166	1651	0.077	ng	94
23) Phenanthrene	17.27	178	48136	1.027	ng	98
24) Anthracene	17.37	178	7952	0.162	ng	95
26) Fluoranthene	19.30	202	74404	1.417	ng	99
28) Pyrene	19.66	202	64459	1.379	ng	# 95
30) Benzo(a)anthracene	21.38	228	28155	0.567	ng	97
31) Chrysene	21.44	228	28546	0.595	ng	97
33) Indeno(1,2,3-cd)pyrene	26.56	276	16419	0.320	ng	95
35) Benzo(b)fluoranthene	23.14	252	34411	0.687	ng	95
36) Benzo(k)fluoranthene	23.18	252	12112m	0.253	ng	
37) Benzo(a)pyrene	23.79	252	24856	0.549	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	3550	0.083	ng	# 65
39) Benzo(a,h,i)perylene	27.37	276	16658	0.393	ng	99

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

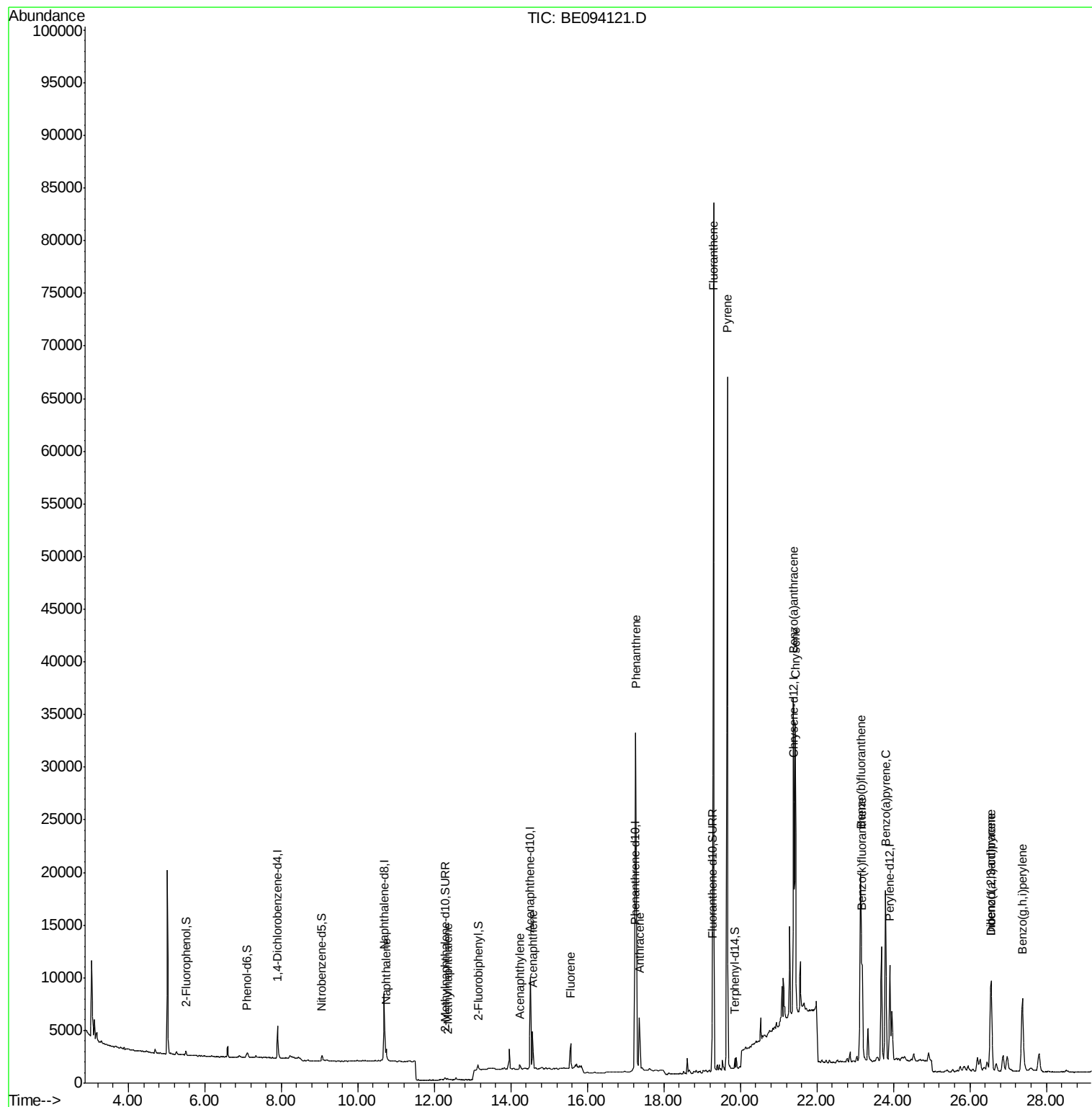
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
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Sample : I5340-07DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

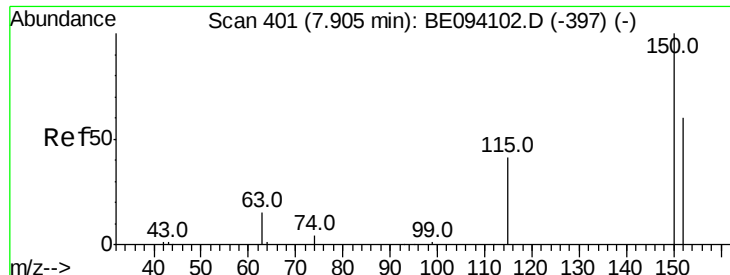
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QLast Update : Mon Sep 25 17:37:08 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

ClientSampleId :

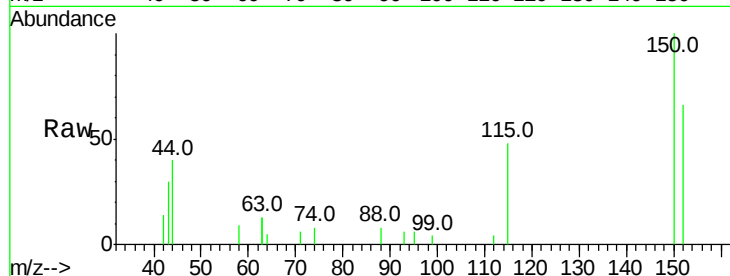
LT-TS-007DL

Tot Ion:	152	Resp:	1539
Ion	Ratio	Lower	Upper
152	100		
150	152.7	117.2	175.8
115	73.2	57.0	85.6

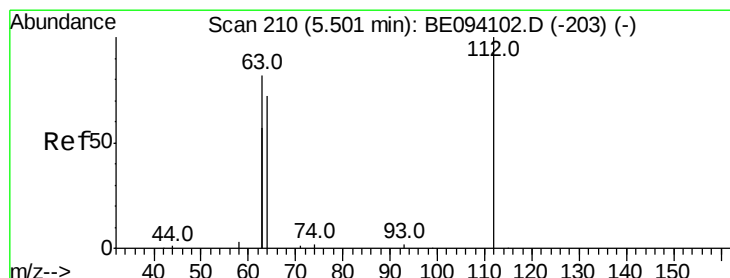
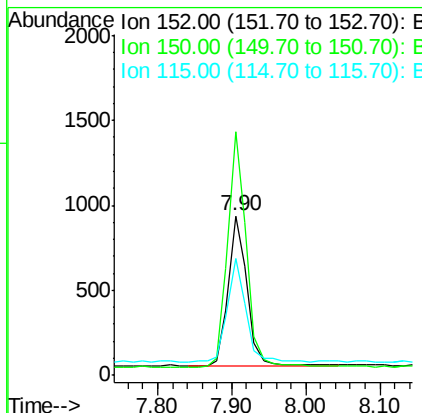
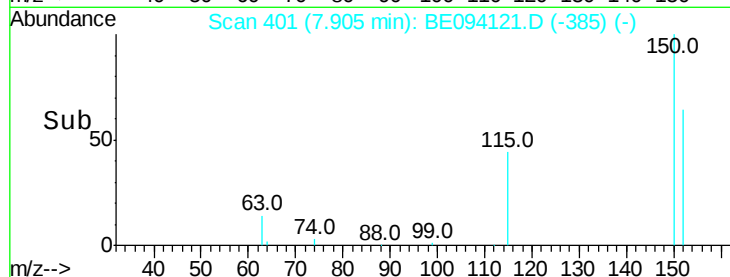
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.037 ng

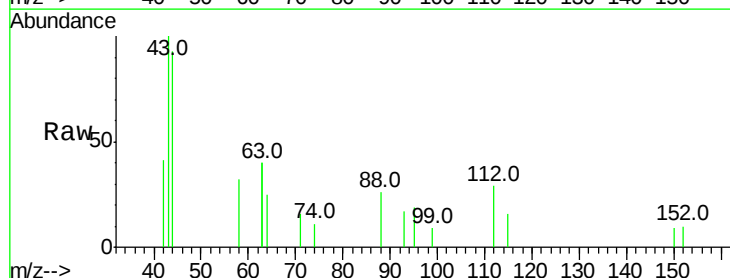
RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

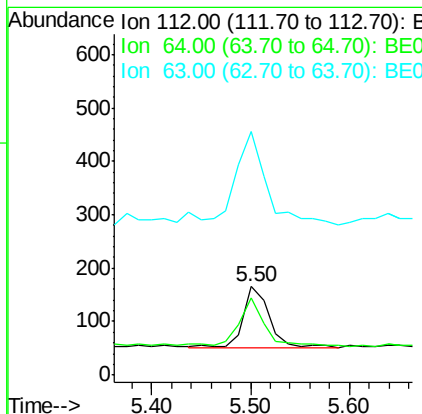
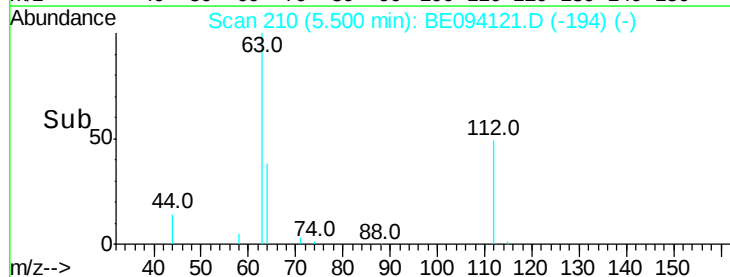
Lab File: BE094121.D

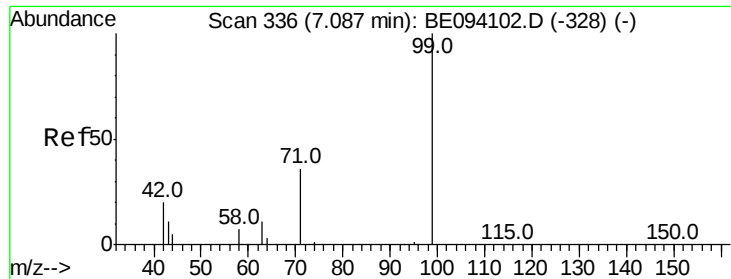
Acq: 26 Sep 2017 2:45

Tgt Ion:	112	Resp:	213
Ion	Ratio	Lower	Upper
112	100		
64	86.4	60.1	90.1
63	171.8	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: 0.041 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

ClientSampleId :

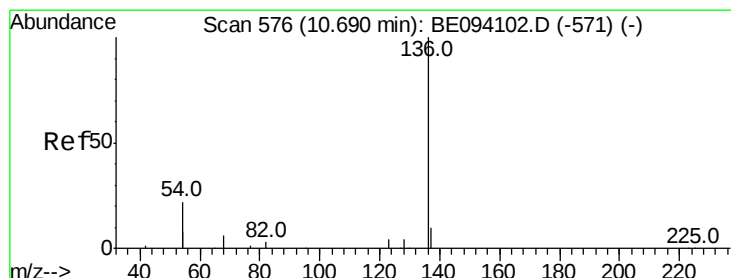
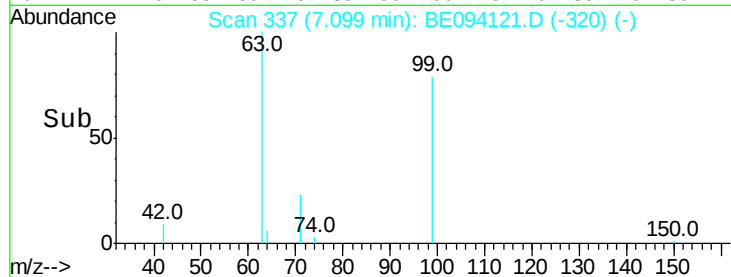
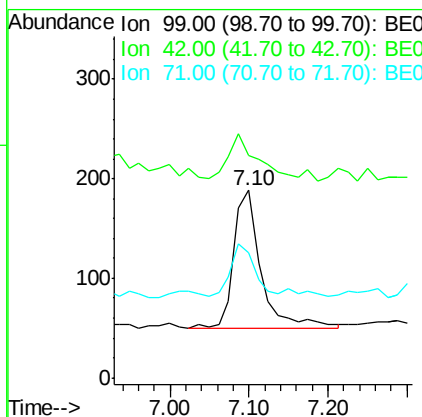
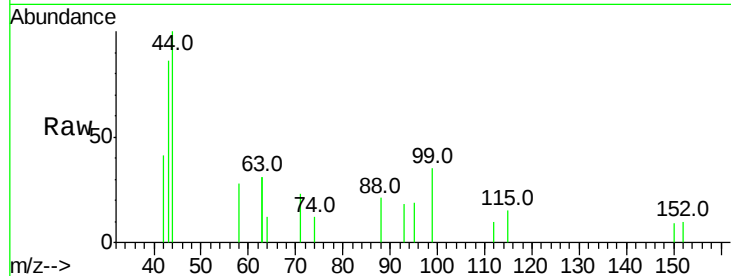
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Tot Ion:	99	Resp:	330
Ion	Ratio	Lower	Upper
99	100		
42	41.8	20.2	30.2#
71	32.4	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

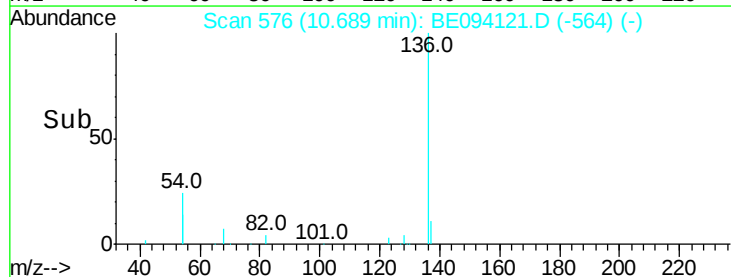
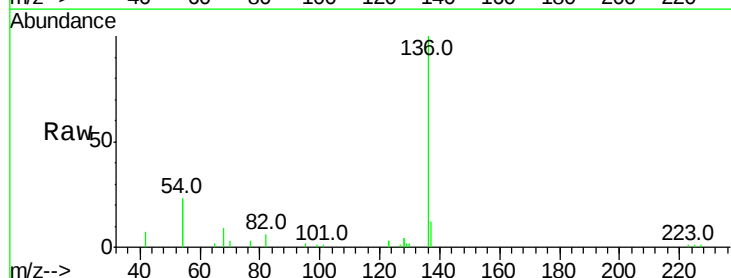
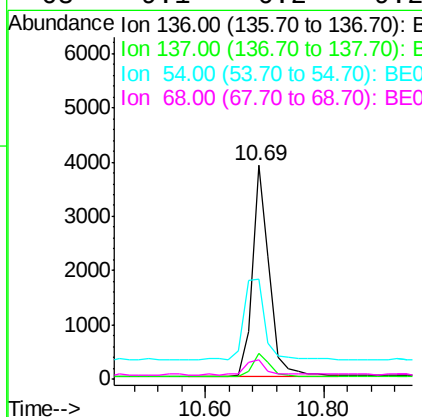
RT: 10.69 min Scan# 576

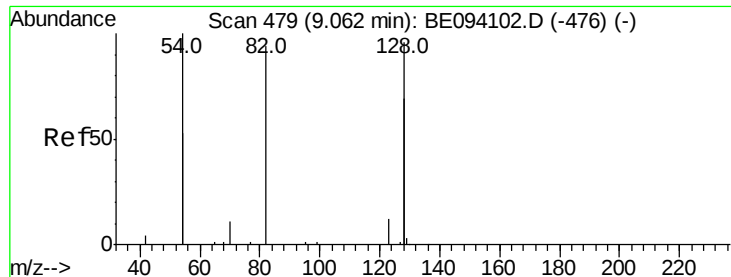
Delta R.T. -0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Tgt Ion:	136	Resp:	7760
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	46.7	29.1	43.7#
68	9.1	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.043 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

ClientSampleId :

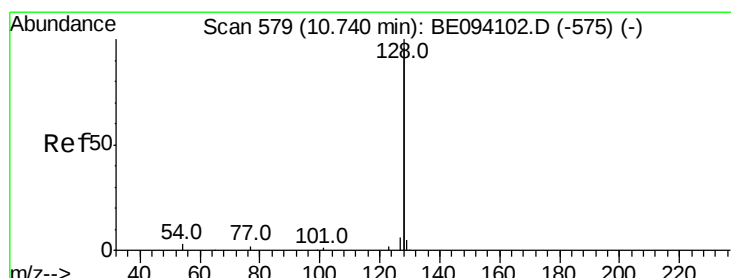
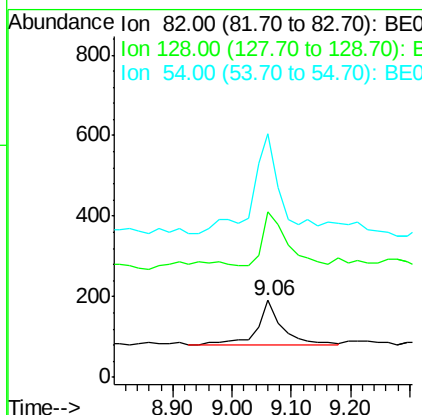
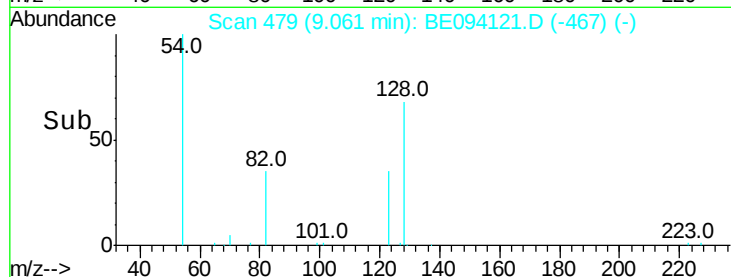
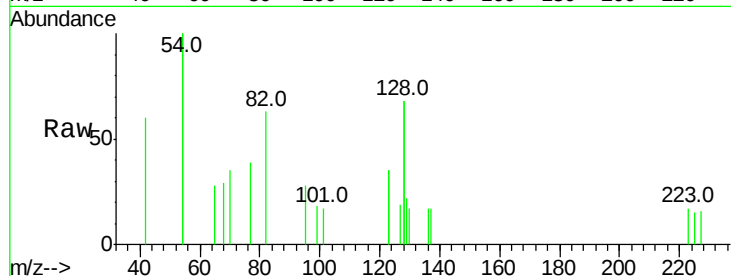
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Tot Ion:	82	Resp:	321
Ion	Ratio	Lower	Upper
82	100		
128	214.7	150.0	225.0
54	316.2	154.2	231.4#

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#9

Naphthalene

Concen: 0.019 ng

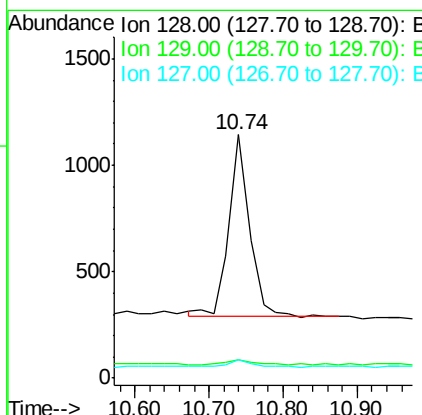
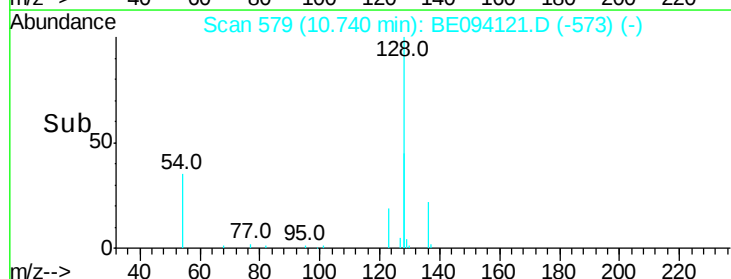
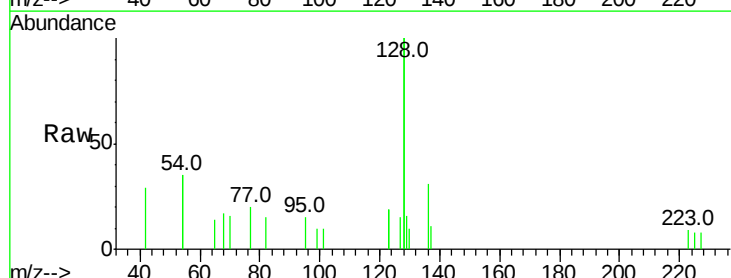
RT: 10.74 min Scan# 579

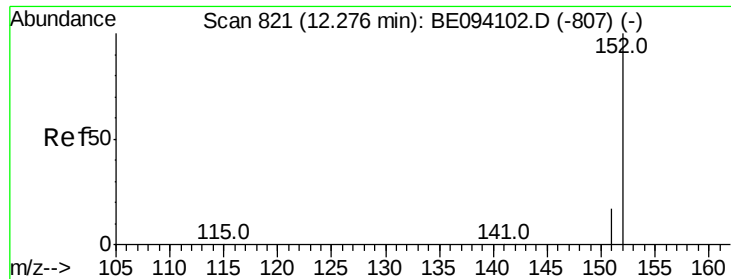
Delta R.T. -0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Tgt Ion:	128	Resp:	1666
Ion	Ratio	Lower	Upper
128	100		
129	7.8	2.6	3.8#
127	7.4	2.8	4.2#





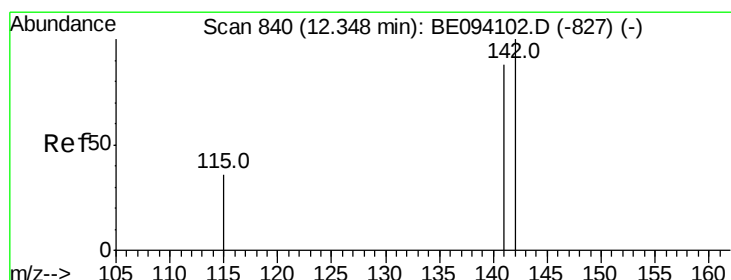
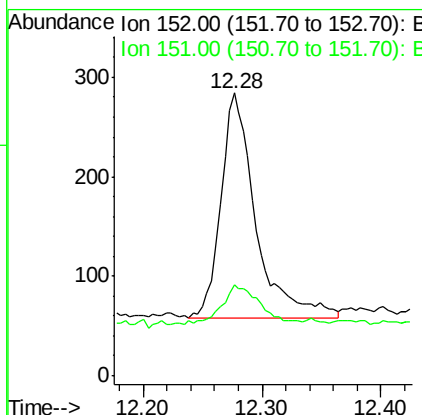
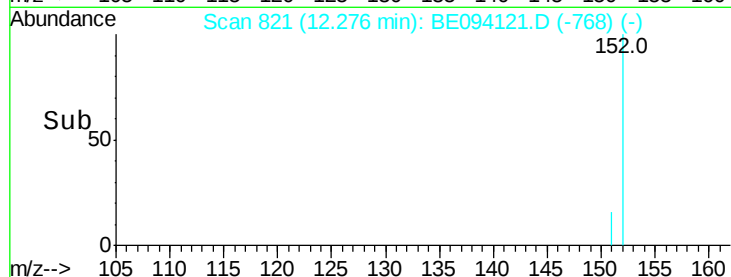
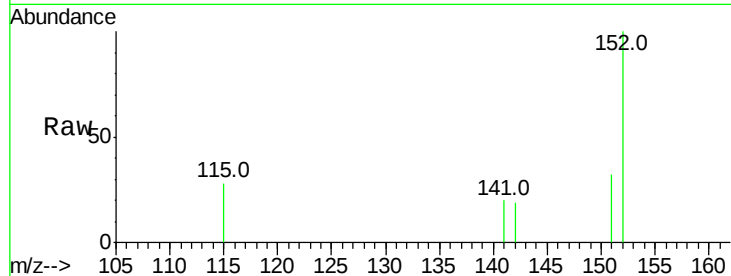
#11
 2-Methylnaphthalene-d10
 Concen: 0.039 ng
 RT: 12.28 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BE094121.D
 Acq: 26 Sep 2017 2:45

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-007DL

Tot Ion:152 Resp: 463
 Ion Ratio Lower Upper
 152 100
 151 18.1 15.4 23.0

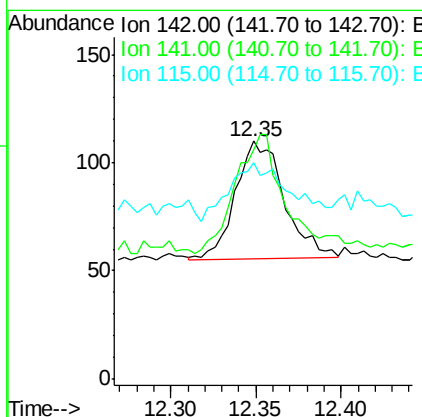
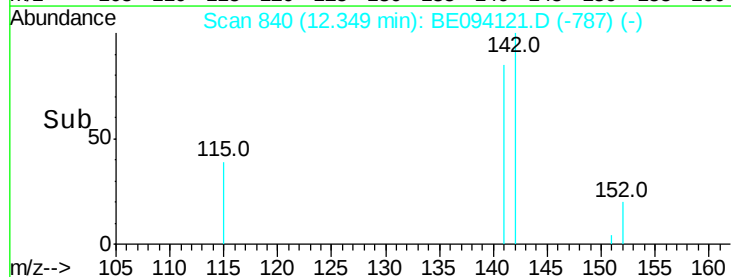
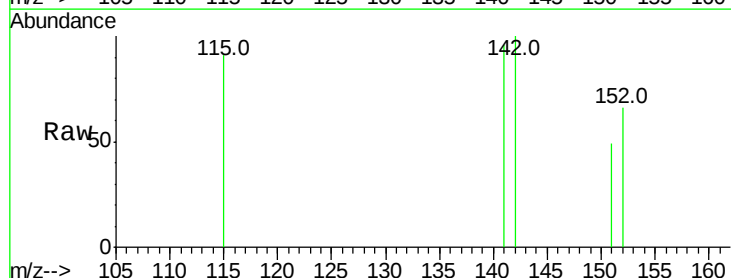
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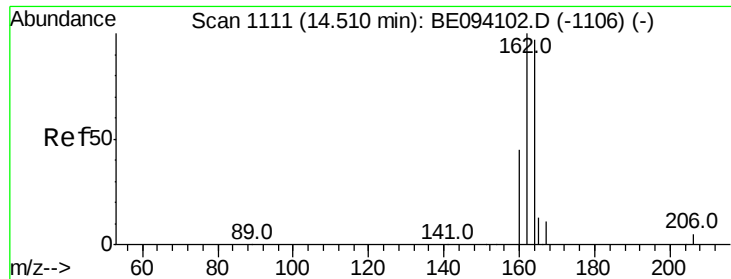
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#12
 2-Methylnaphthalene
 Concen: 0.008 ng
 RT: 12.35 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BE094121.D
 Acq: 26 Sep 2017 2:45

Tgt Ion:142 Resp: 110
 Ion Ratio Lower Upper
 142 100
 141 96.4 70.4 105.6
 115 90.9 31.7 47.5#





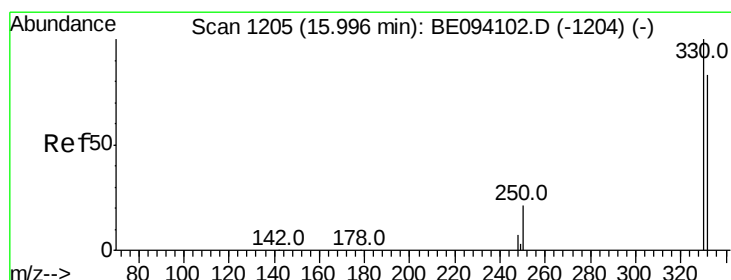
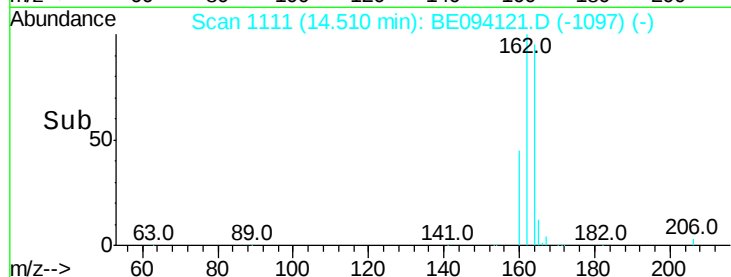
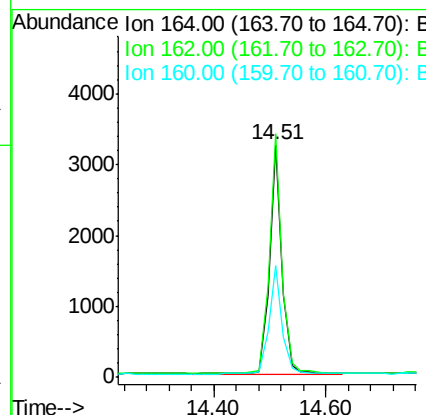
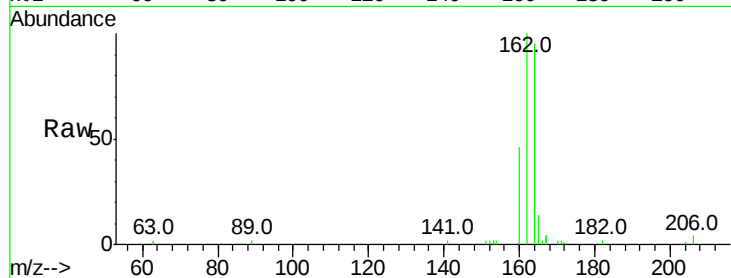
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Instrument :
BNA_E
ClientSampleId :
LT-TS-007DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.1	124.7
160	48.1	37.1	55.7

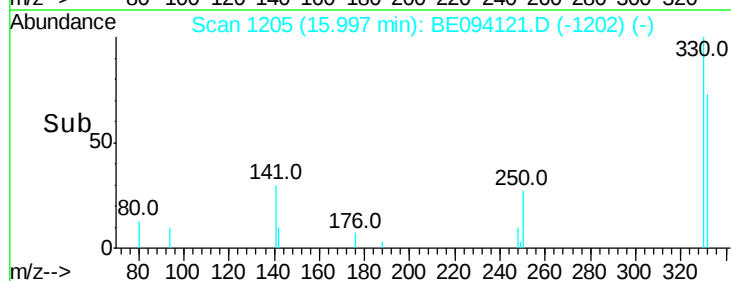
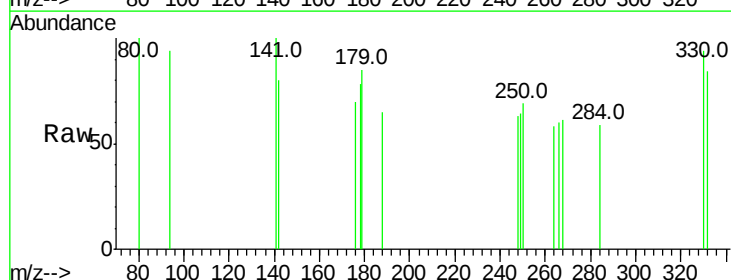
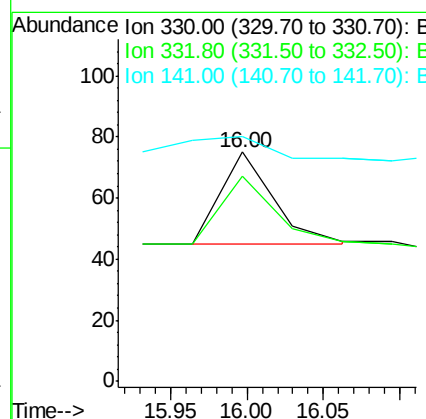
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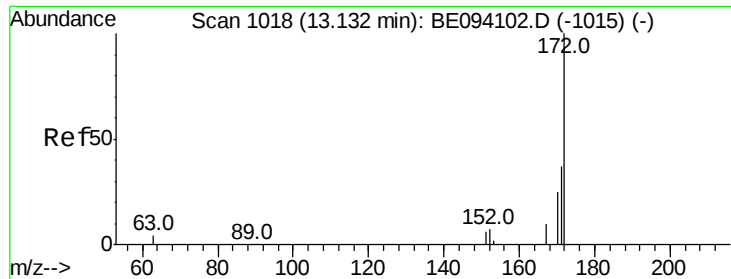
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#14
2,4,6-Tribromophenol
Concen: -0.015 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	76.4	152.7	229.1#
141	0.0	33.7	50.5#





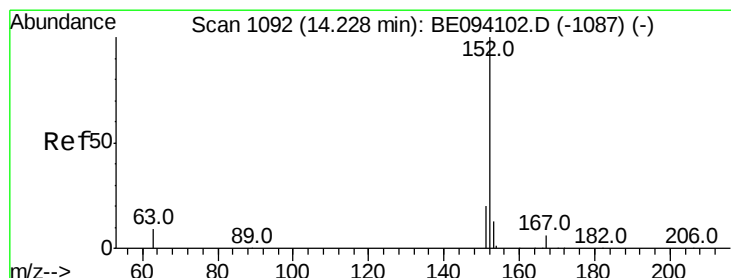
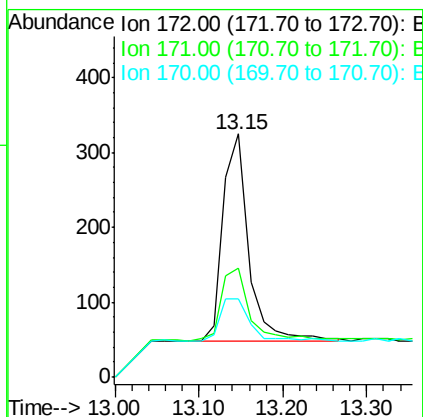
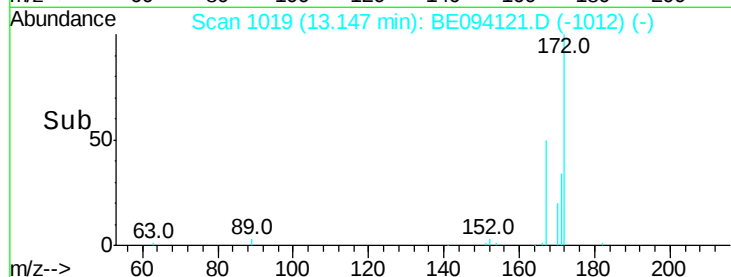
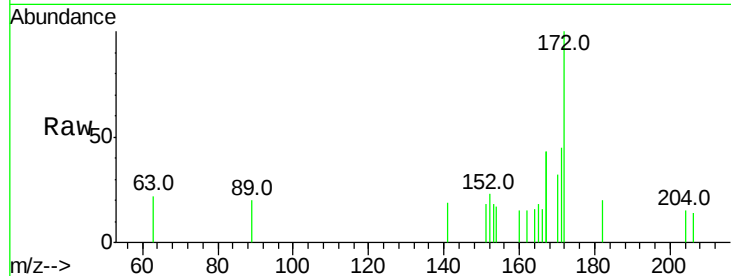
#15
2-Fluorobiphenyl
Concen: 0.035 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.02 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Instrument :
BNA_E
ClientSampleId :
LT-TS-007DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	44.6	29.9	44.9
170	32.0	21.8	32.8

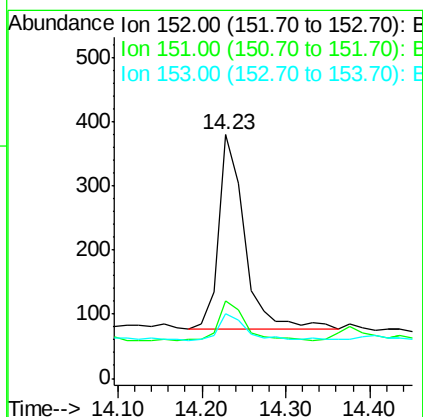
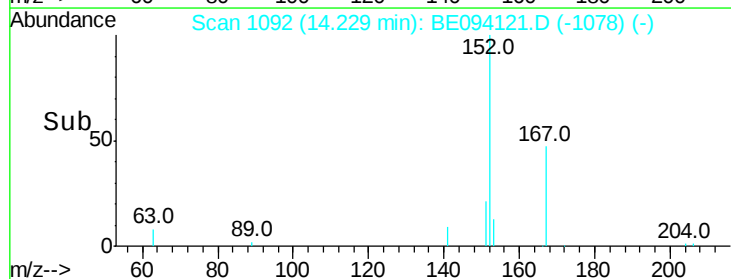
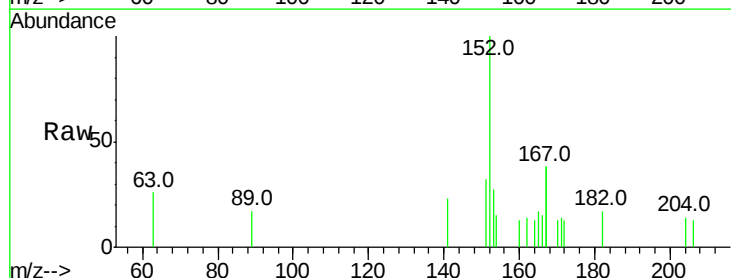
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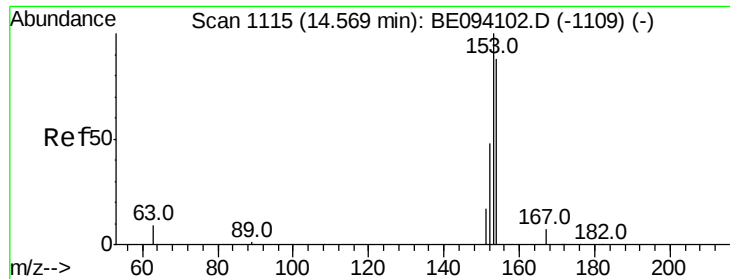
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#16
Acenaphthylene
Concen: 0.025 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	15.7	23.5
153	14.3	10.5	15.7





#17

Acenaphthene

Concen: 0.117 ng

RT: 14.57 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

ClientSampleId :

LT-TS-007DL

Tot Ion:154 Resp: 1849

Ion Ratio Lower Upper

154 100

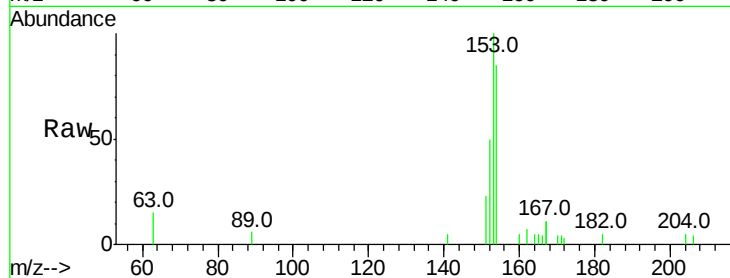
153 111.2 89.2 133.8

152 53.3 42.0 63.0

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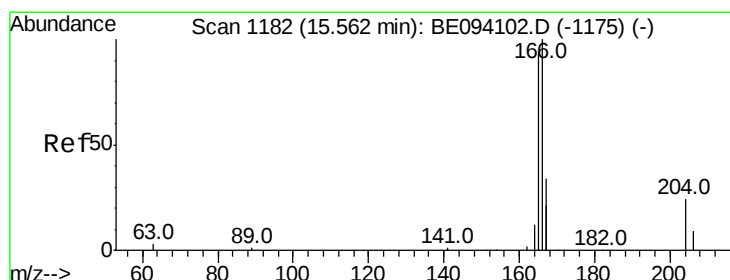
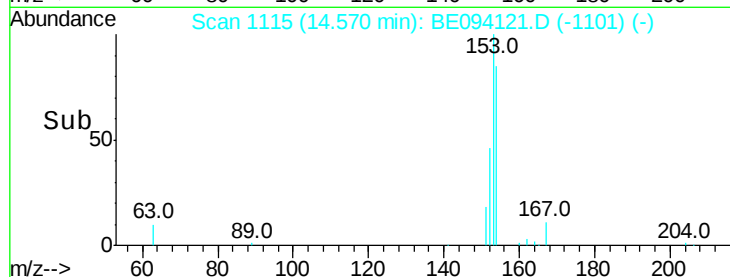
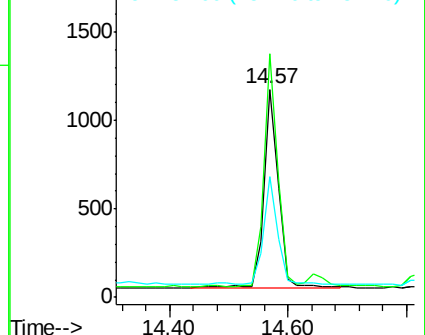
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.077 ng

RT: 15.56 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

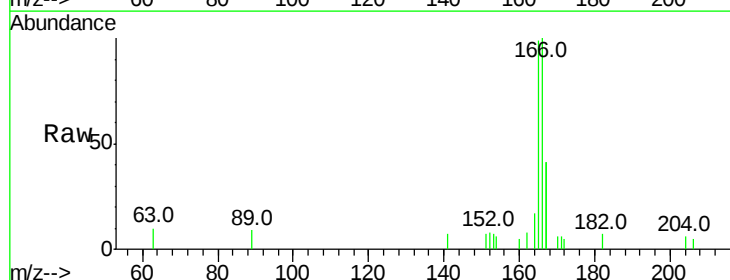
Tgt Ion:166 Resp: 1651

Ion Ratio Lower Upper

166 100

165 102.7 77.8 116.6

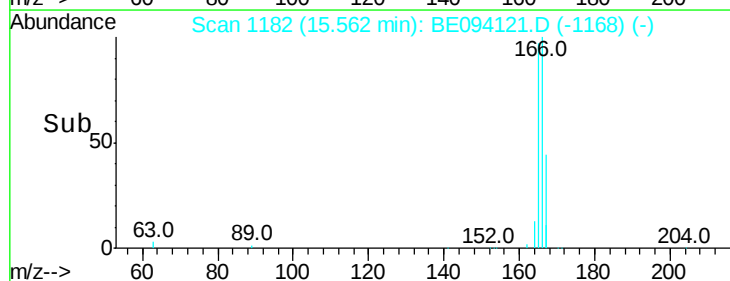
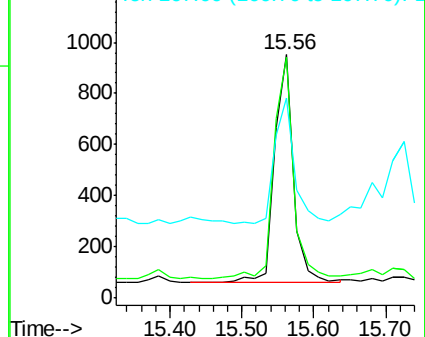
167 57.8 42.4 63.6

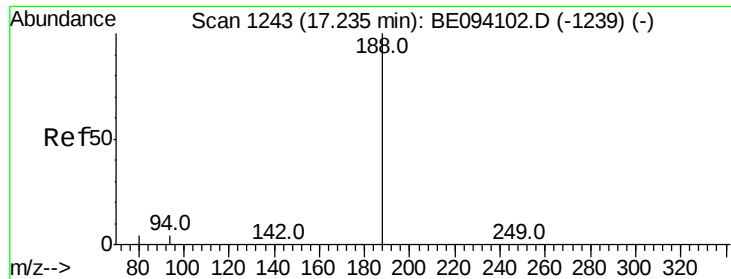


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





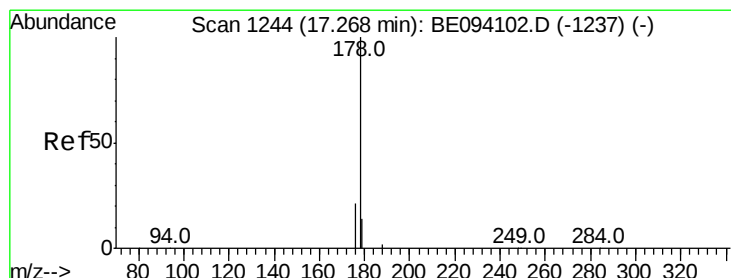
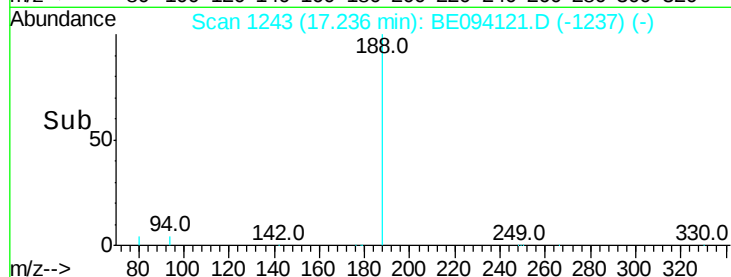
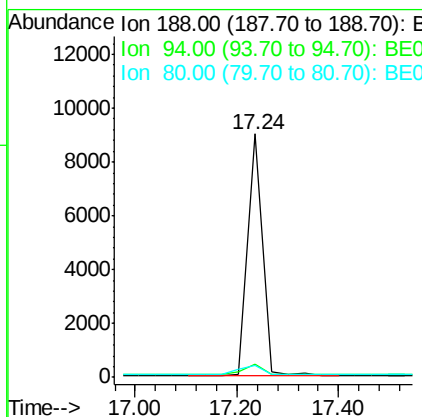
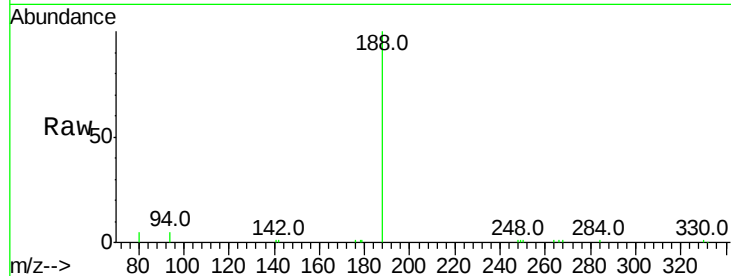
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Instrument :
BNA_E
ClientSampleId :
LT-TS-007DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	18318		
94	5.2		3.9	5.9
80	4.9		3.6	5.4

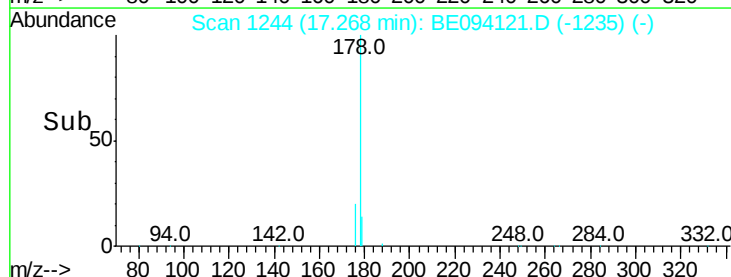
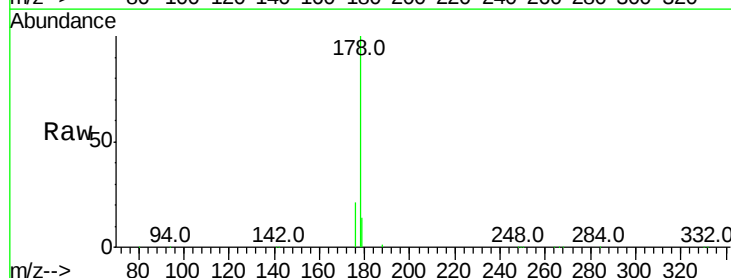
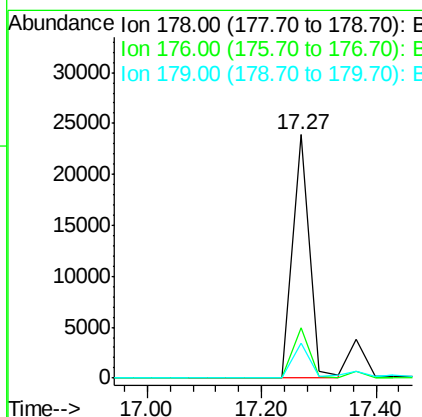
Manual Integrations
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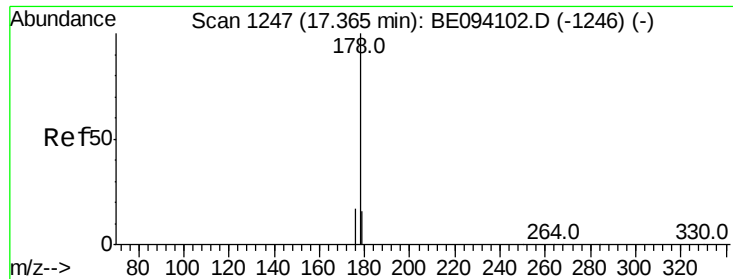
Sohil
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#23
Phenanthrene
Concen: 1.027 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	48136		
176	20.4		15.1	22.7
179	15.0		11.8	17.6





#24

Anthracene

Concen: 0.162 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

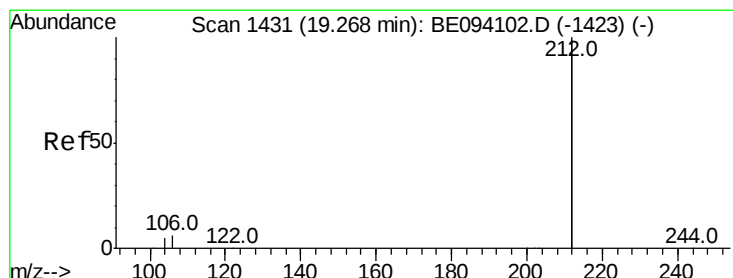
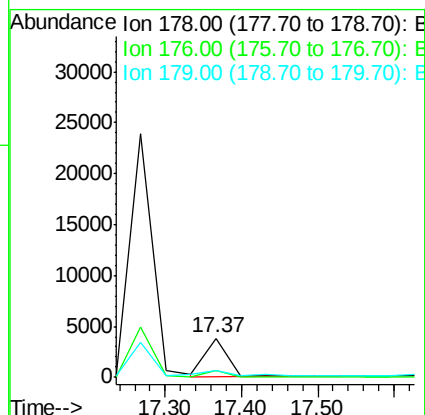
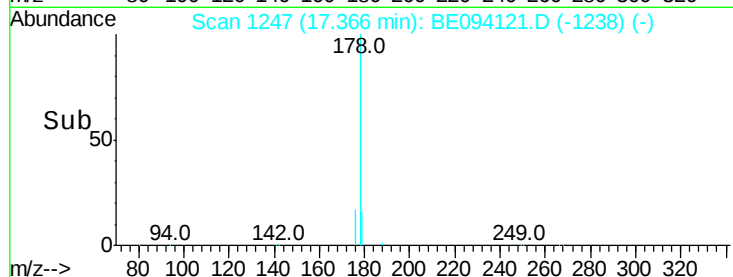
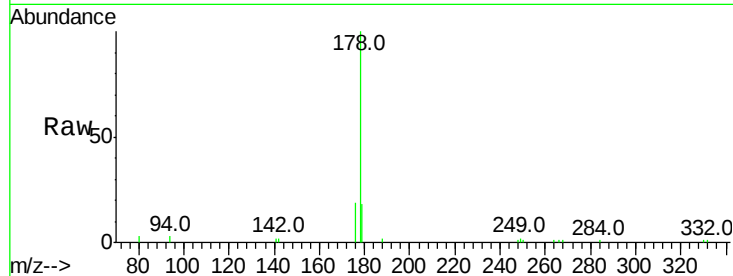
ClientSampleId :

LT-TS-007DL

Tot Ion:	178	Resp:	7952
Ion Ratio	Lower	Upper	
178	100		
176	16.8	12.8	19.2
179	19.5	13.0	19.6

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#25

Fluoranthene-d10

Concen: 0.029 ng

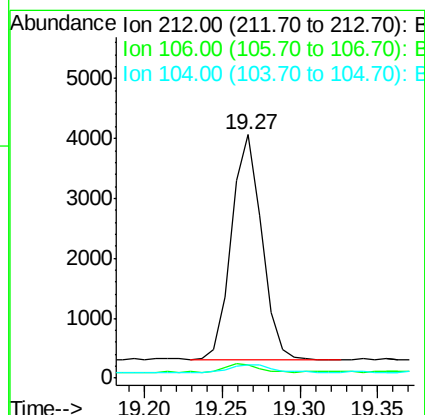
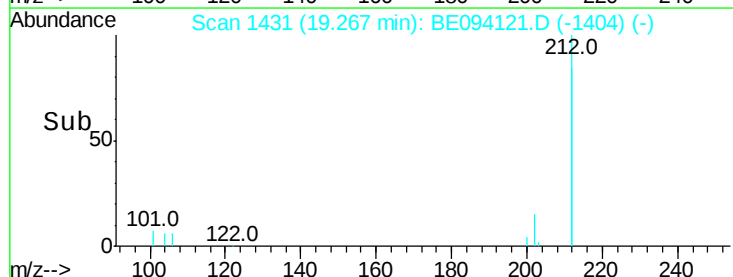
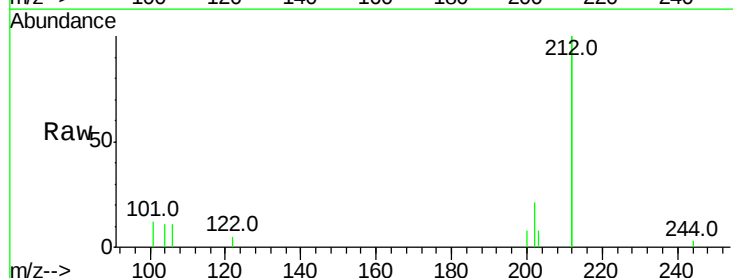
RT: 19.27 min Scan# 1431

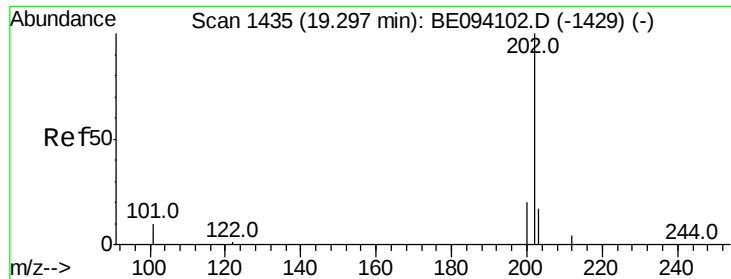
Delta R.T. -0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Tgt Ion:	212	Resp:	5088
Ion Ratio	Lower	Upper	
212	100		
106	4.0	2.8	4.2
104	5.0	1.6	2.4#





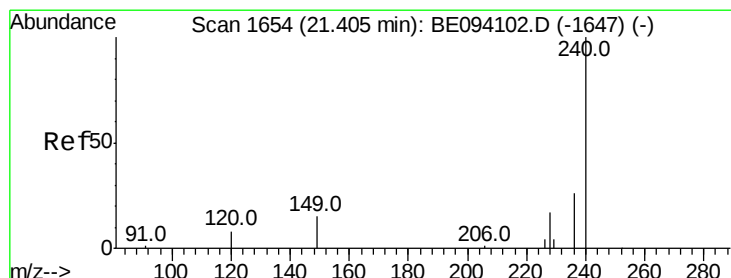
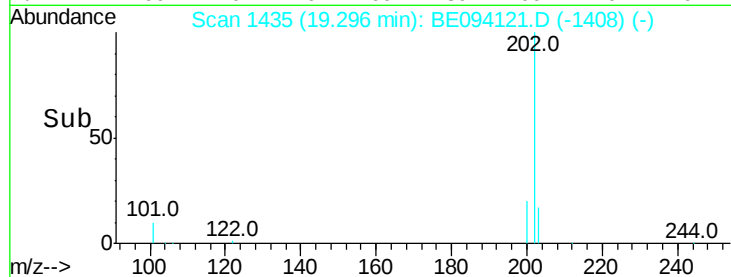
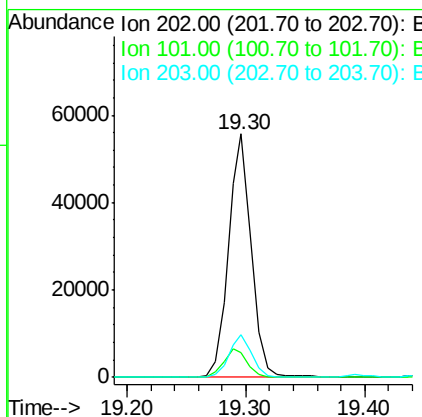
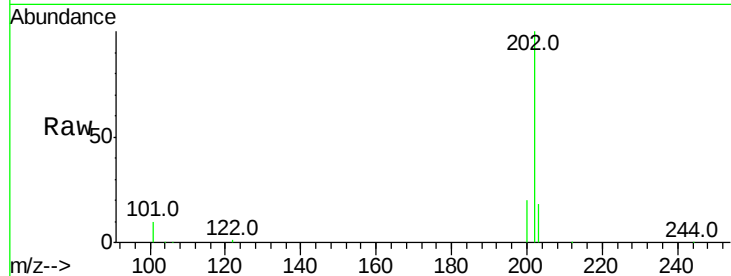
#26
 Fluoranthene
 Concen: 1.417 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094121.D
 Acq: 26 Sep 2017 2:45

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-007DL

Tot Ion:	202	Resp:	74404
Ion Ratio	Lower	Upper	
202	100		
101	12.0	9.8	14.8
203	17.3	13.7	20.5

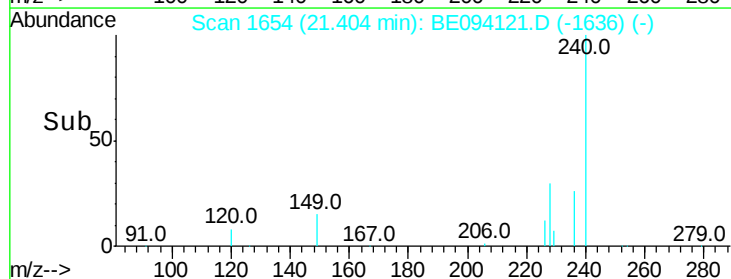
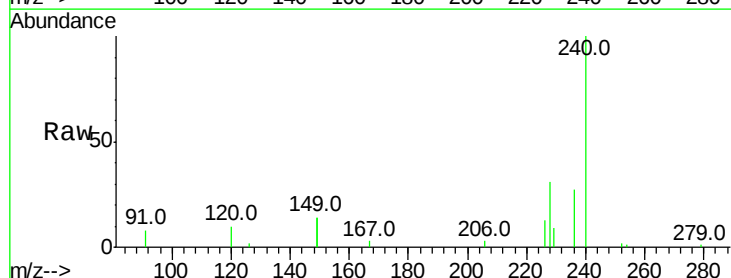
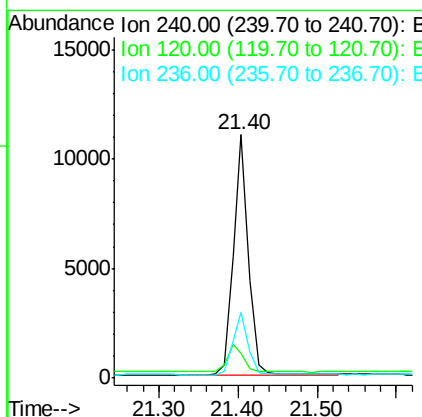
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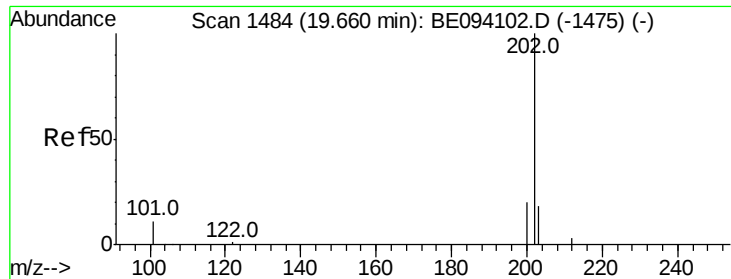
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094121.D
 Acq: 26 Sep 2017 2:45

Tgt Ion:	240	Resp:	14757
Ion Ratio	Lower	Upper	
240	100		
120	10.4	5.5	8.3#
236	27.0	20.7	31.1





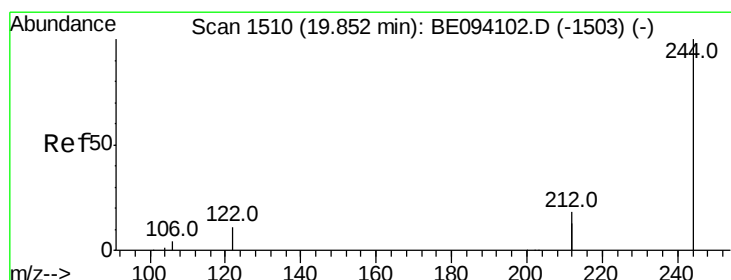
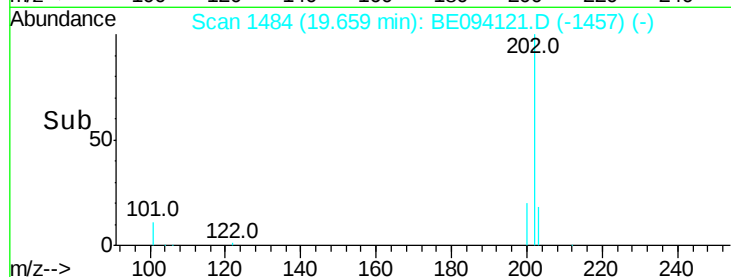
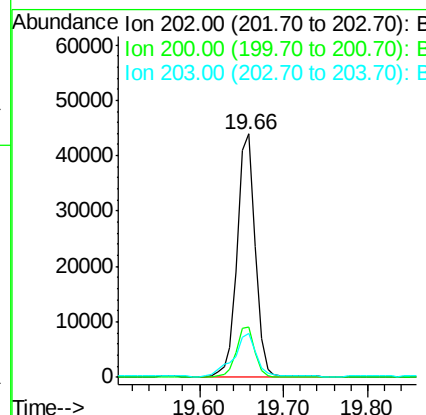
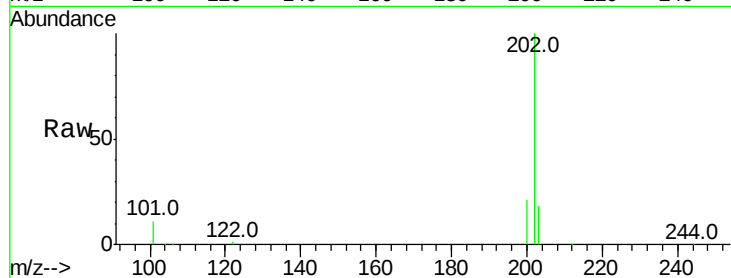
#28
Pvrene
Concen: 1.379 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Instrument :
BNA_E
ClientSampleId :
LT-TS-007DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	16.6	25.0
203	22.1	13.8	20.8

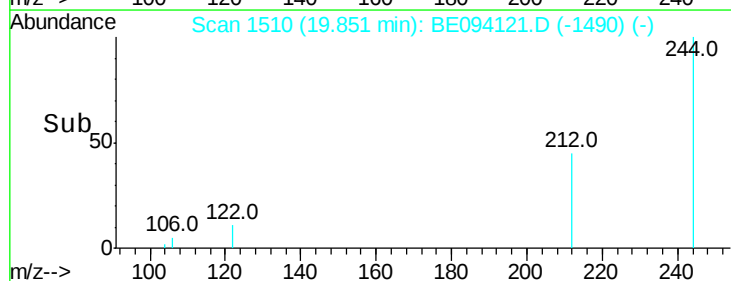
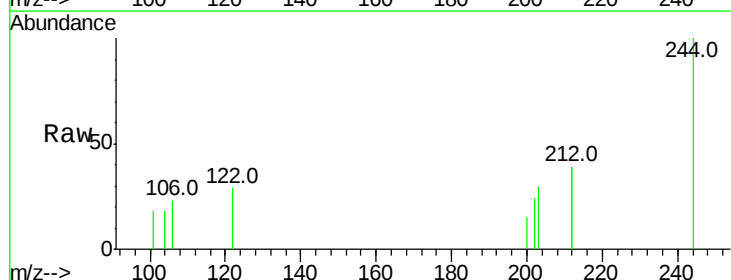
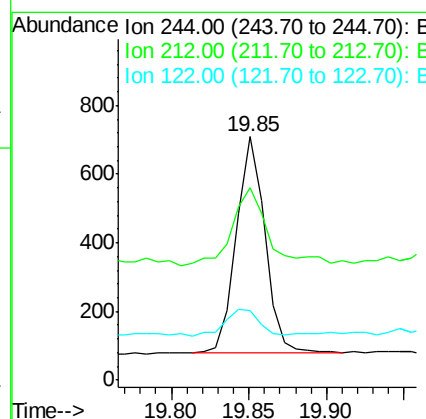
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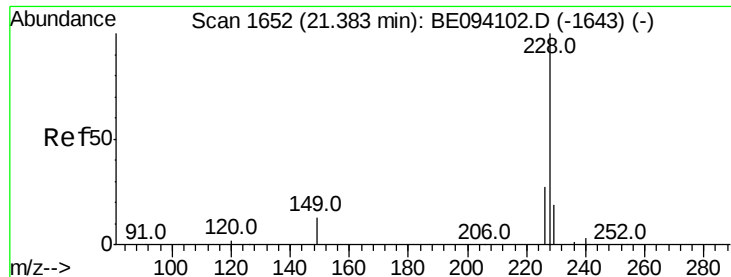
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#29
Terphenyl-d14
Concen: 0.030 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	79.0	25.4	38.0
122	28.6	8.1	12.1





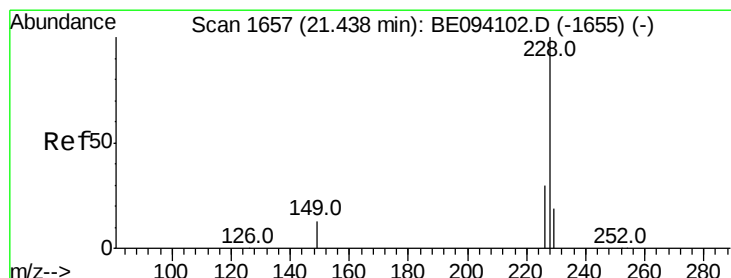
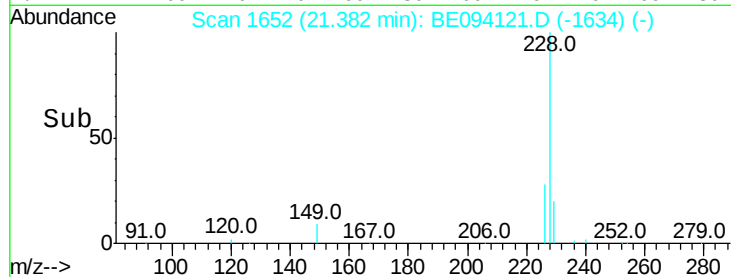
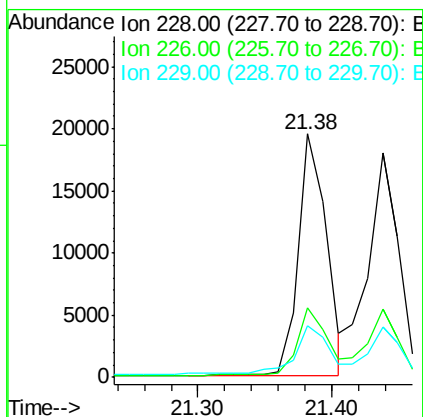
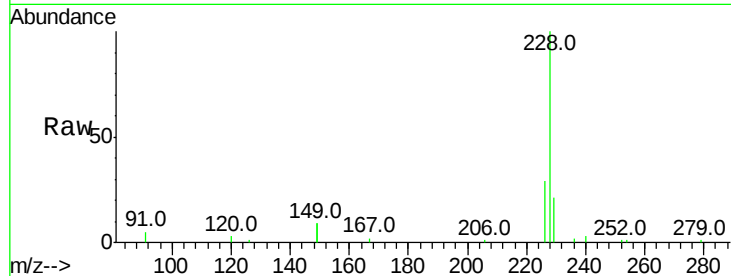
#30
Benzo(a)anthracene
Concen: 0.567 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Instrument :
BNA_E
ClientSampled :
LT-TS-007DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.0
229	21.1	16.4	24.6

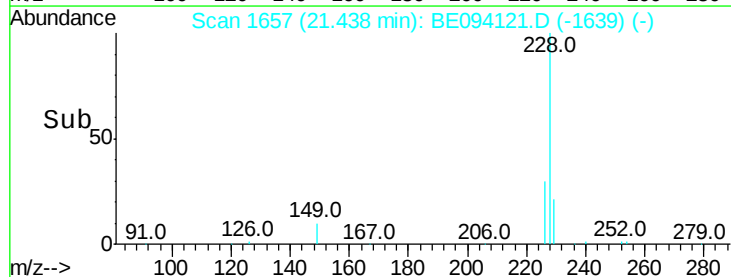
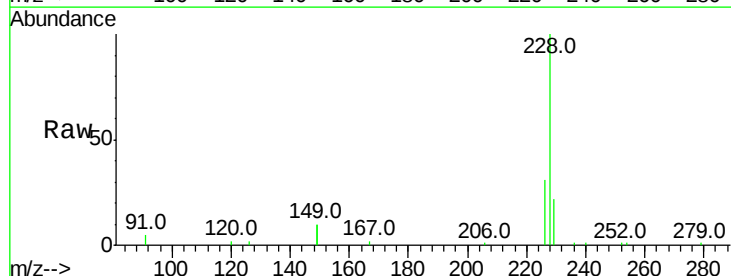
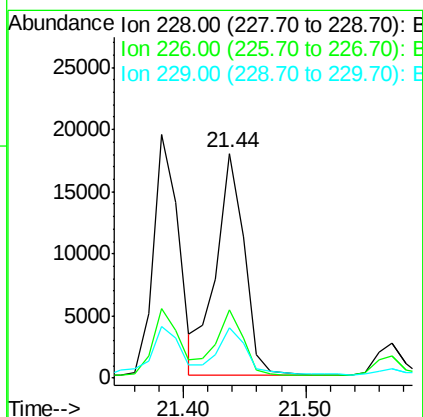
Manual Integrations
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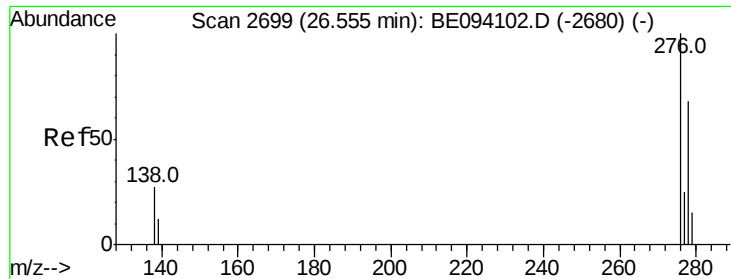
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#31
Chrysene
Concen: 0.595 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

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: 0.320 ng

RT: 26.56 min Scan# 2699

Delta R.T. 0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

ClientSampleId :

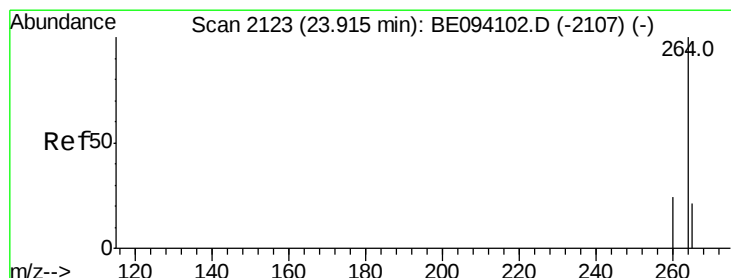
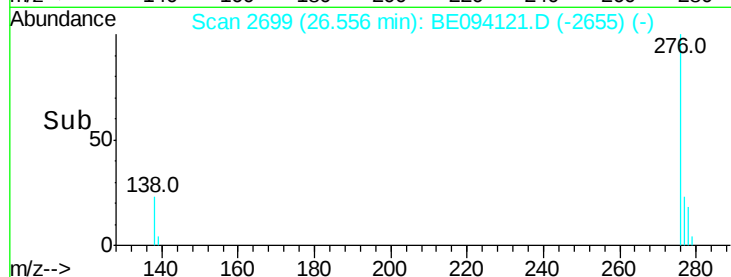
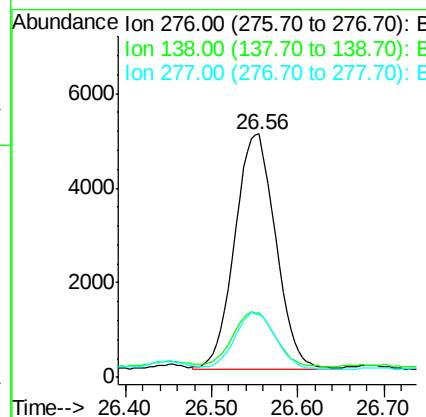
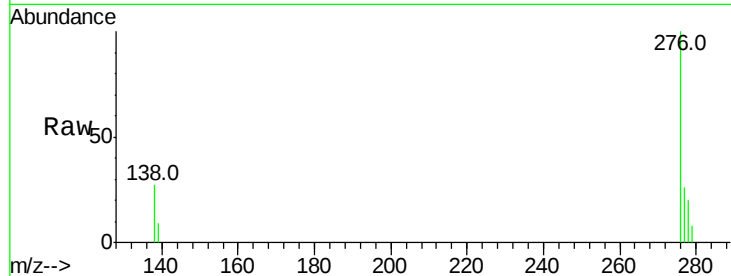
LT-TS-007DL

Tot Ion:	276	Resp:	16419
Ion Ratio	Lower	Upper	
276	100		
138	24.2	22.5	33.7
277	24.2	19.9	29.9

Manual Integrations
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#34

Perylene-d12

Concen: 0.400 ng

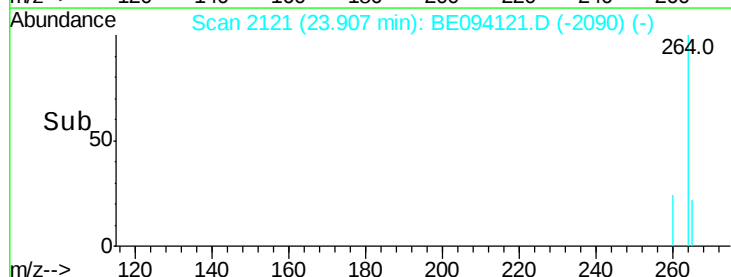
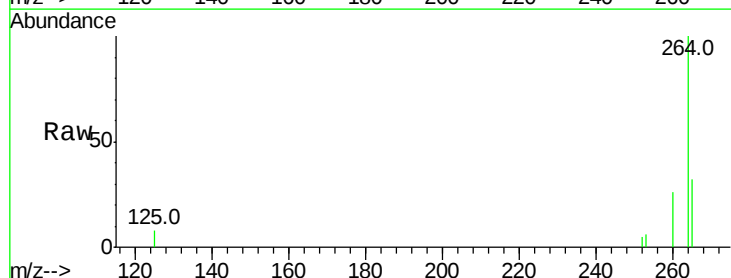
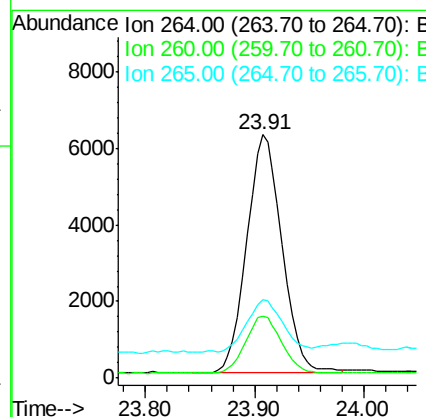
RT: 23.91 min Scan# 2121

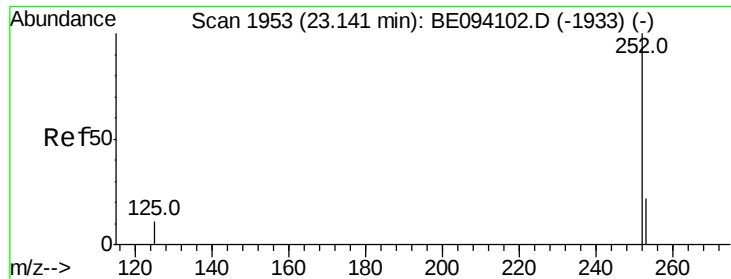
Delta R.T. -0.01 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Tgt Ion:	264	Resp:	13879
Ion Ratio	Lower	Upper	
264	100		
260	25.6	20.5	30.7
265	32.0	22.8	34.2





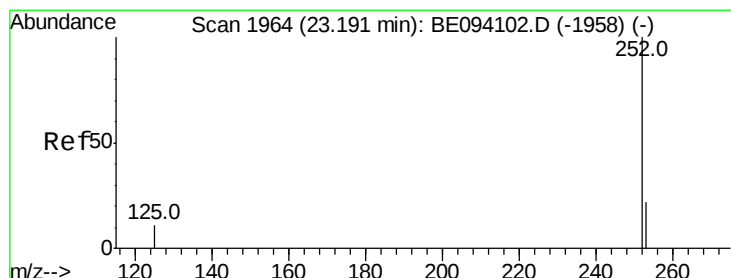
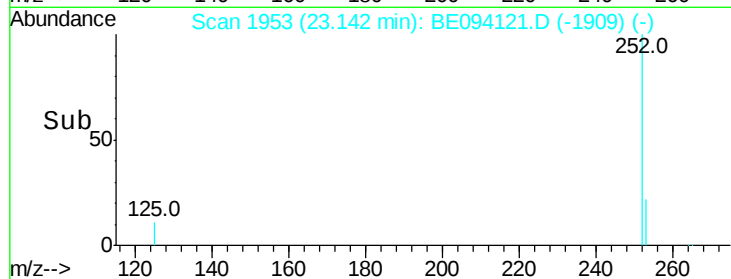
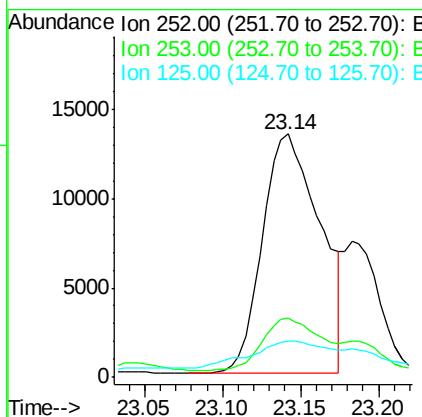
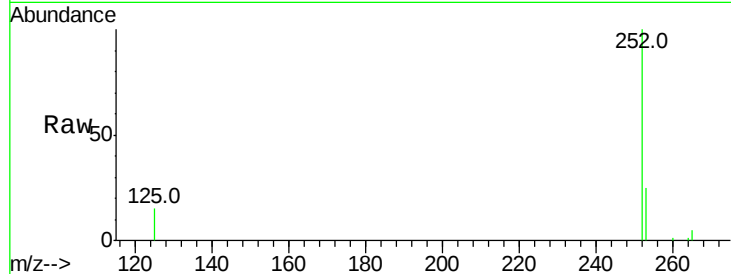
#35
Benzo(b)fluoranthene
Concen: 0.687 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Instrument :
BNA_E
ClientSampleId :
LT-TS-007DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	15.0	10.1	15.1

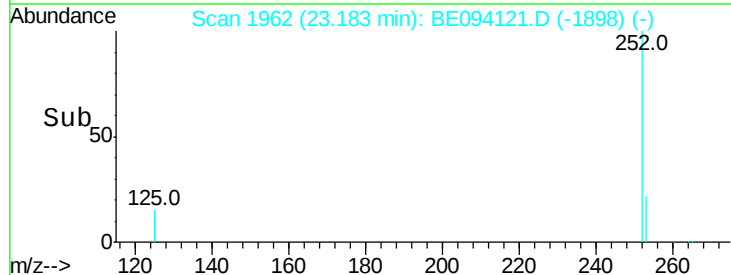
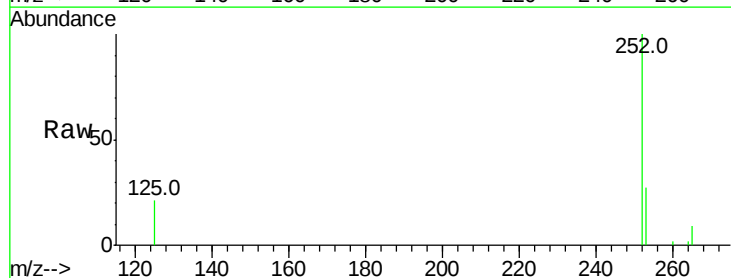
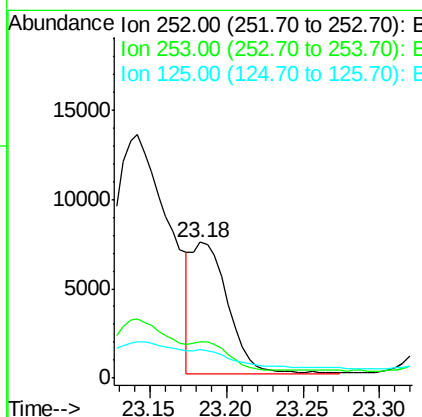
Manual Integrations
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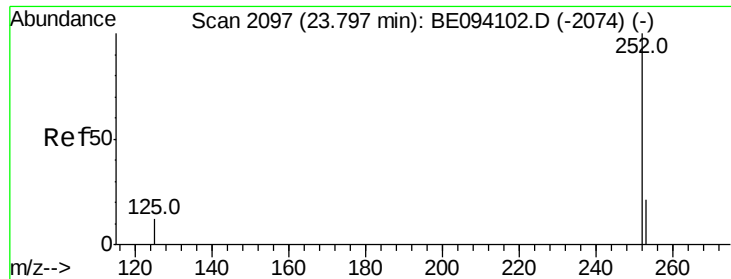
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#36
Benzo(k)fluoranthene
Concen: 0.253 ng m
RT: 23.18 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BE094121.D
Acq: 26 Sep 2017 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.6	27.8
125	21.2	10.7	16.1#





#37

Benzo(a)pyrene

Concen: 0.549 ng

RT: 23.79 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

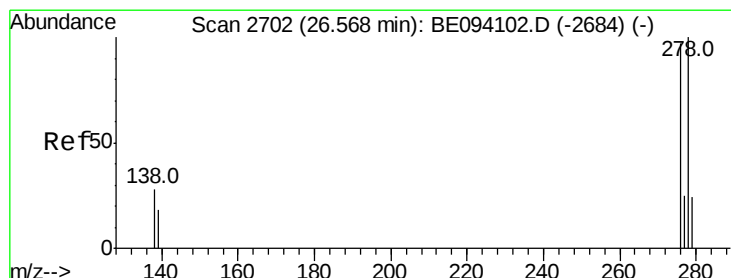
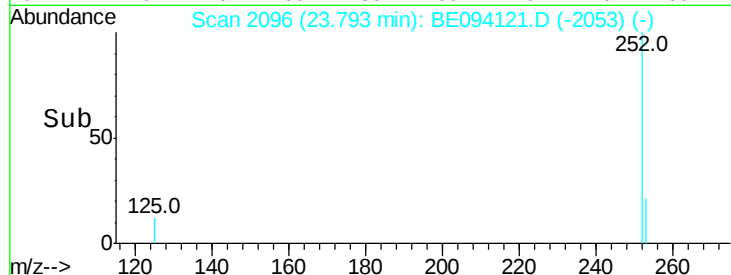
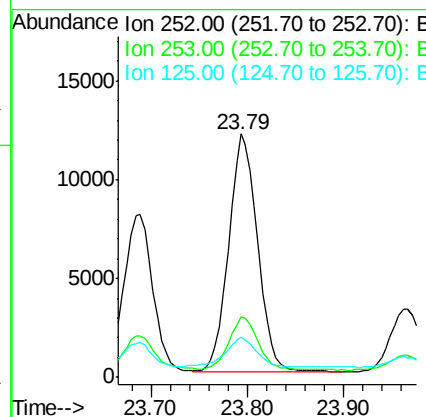
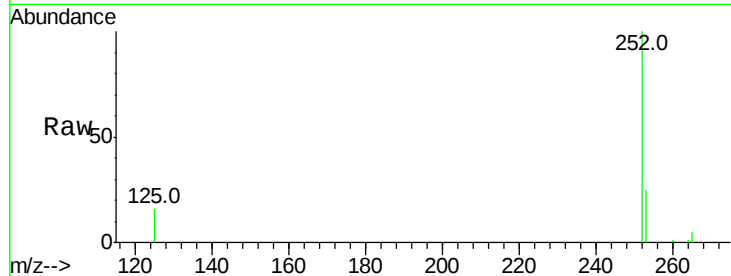
ClientSampleId :

LT-TS-007DL

Tot Ion:	252	Resp:	24856
Ion Ratio	Lower	Upper	
252	100		
253	24.7	19.0	28.6
125	16.4	11.8	17.8

Manual Integrations
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#38

Dibenzo(a,h)anthracene

Concen: 0.083 ng

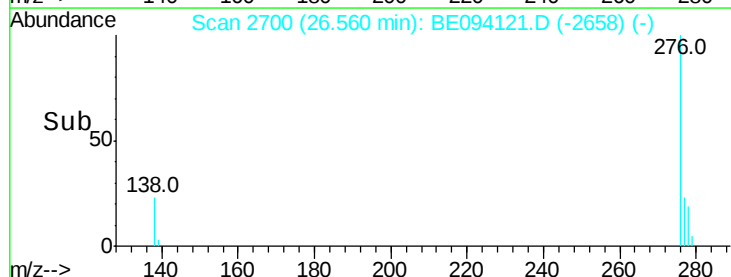
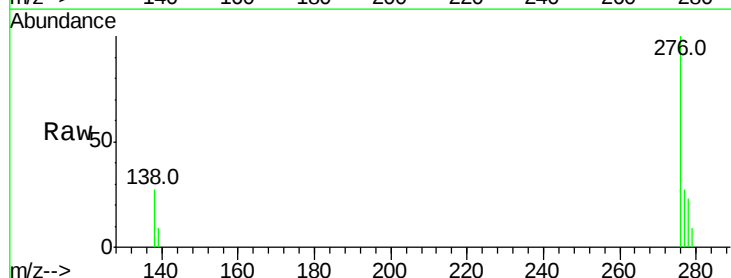
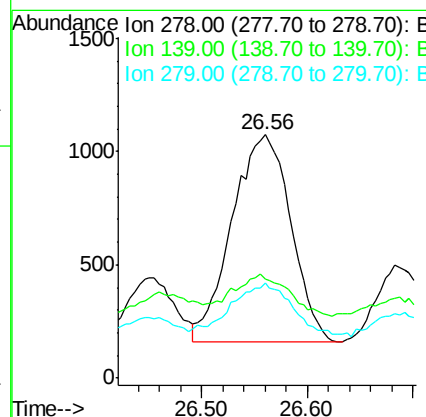
RT: 26.56 min Scan# 2700

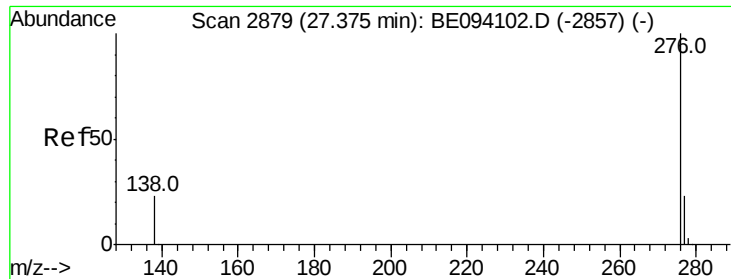
Delta R.T. -0.01 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Tgt Ion:	278	Resp:	3550
Ion Ratio	Lower	Upper	
278	100		
139	40.7	16.3	24.5#
279	39.0	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.393 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BE094121.D

Acq: 26 Sep 2017 2:45

Instrument :

BNA_E

ClientSampleId :

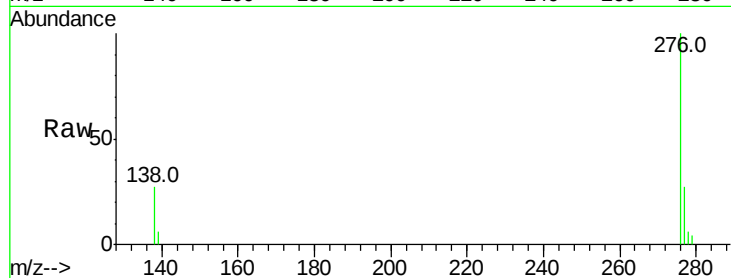
LT-TS-007DL

Tot Ion:	276	Resp:	16658
Ion Ratio	Lower	Upper	
276	100		
277	26.7	20.8	31.2
138	27.1	21.5	32.3

Manual Integrations
APPROVED

Sohil

9/26/2017 5:04:12 PM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

