

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094096.D
 Acq On : 24 Sep 2017 2:18
 Operator : SJ/JU
 Sample : I5340-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-010

Manual Integrations
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Quant Time: Sep 25 13:39:30 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 13:07:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2142	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	11975	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	7748	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	24126	0.40	ng	0.00
27) Chrysene-d12	21.40	240	14528	0.40	ng	0.00
34) Perylene-d12	23.91	264	13492	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1980	0.05	ng	0.00
5) Phenol-d6	7.09	99	3281	0.26	ng	0.00
8) Nitrobenzene-d5	9.06	82	2981	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4399	0.22	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	814	0.14	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5856	0.23	ng	0.00
25) Fluoranthene-d10	19.27	212	34992	0.11	ng	0.00
29) Terphenyl-d14	19.85	244	4837	0.21	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	4873	0.032	ng	# 95
12) 2-Methylnaphthalene	12.35	142	779	0.032	ng	# 92
16) Acenaphthylene	14.23	152	5944	0.152	ng	99
17) Acenaphthene	14.57	154	1214	0.047	ng	93
18) Fluorene	15.56	166	2428	0.063	ng	90
23) Phenanthrene	17.27	178	62208	0.720	ng	98
24) Anthracene	17.37	178	9063	0.136	ng	# 93
26) Fluoranthene	19.30	202	114770	1.238	ng	99
28) Pyrene	19.66	202	110160	2.741	ng	# 96
30) Benzo(a)anthracene	21.38	228	45010	0.925	ng	96
31) Chrysene	21.44	228	55615	1.166	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	29018	0.222	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	31247	0.848	ng	97
35) Benzo(b)fluoranthene	23.14	252	67526	1.383	ng	95
36) Benzo(k)fluoranthene	23.18	252	23278m	0.475	ng	
37) Benzo(a)pyrene	23.79	252	46014	1.049	ng	98
38) Dibenzo(a,h)anthracene	26.56	278	7874	0.224	ng	# 70
39) Benzo(a,h,i)perylene	27.38	276	32036	0.913	ng	99

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

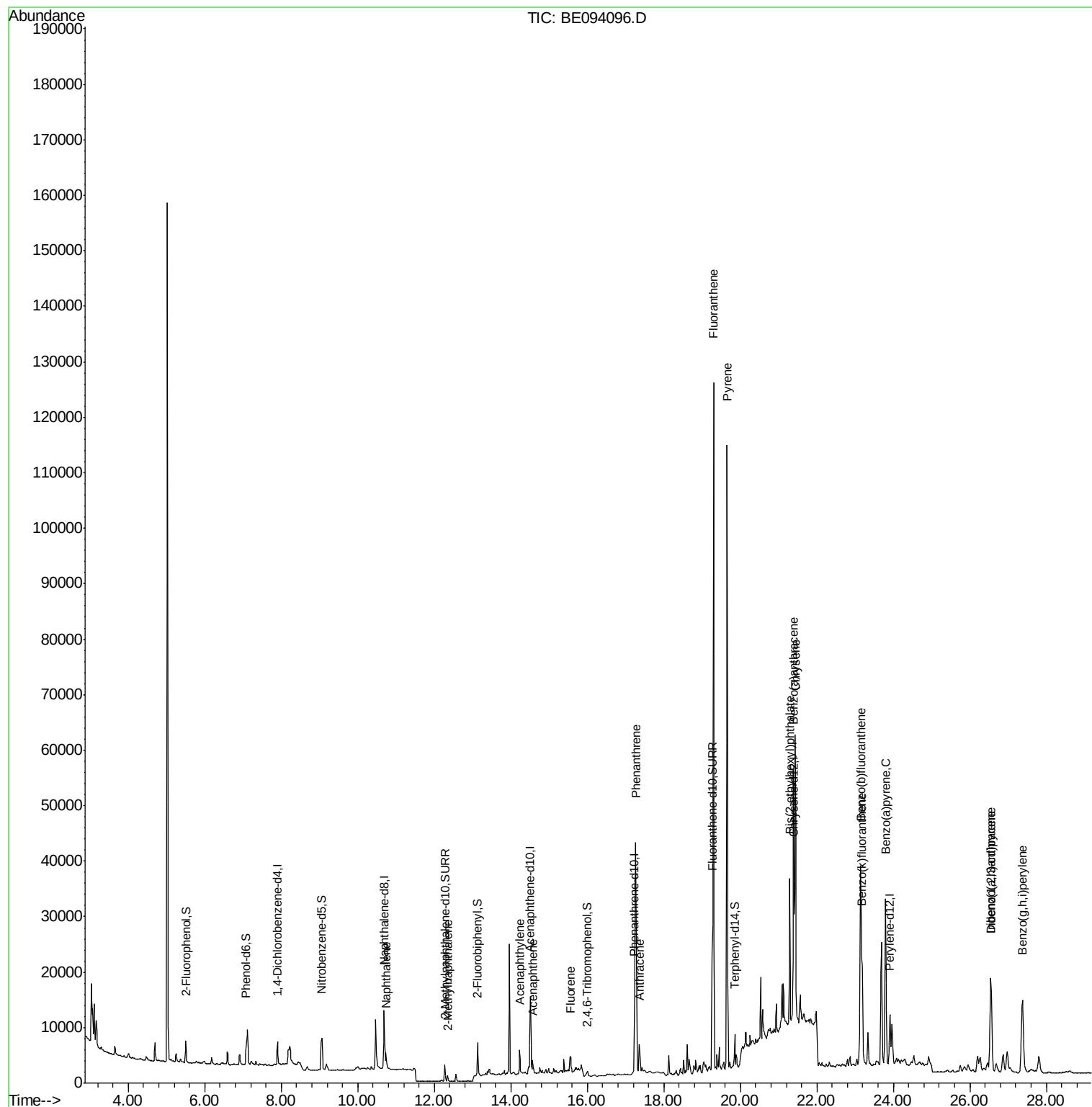
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
Data File : BE094096.D
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Operator : SJ/JU
Sample : I5340-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

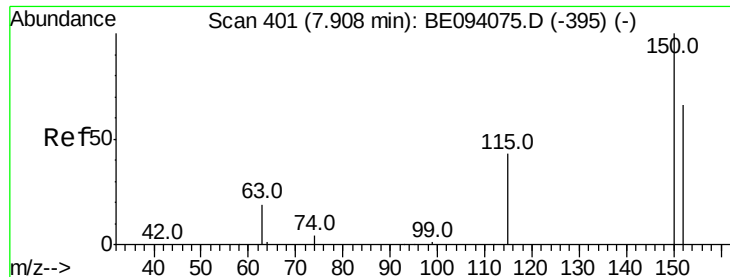
Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Quant Time: Sep 25 13:39:30 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

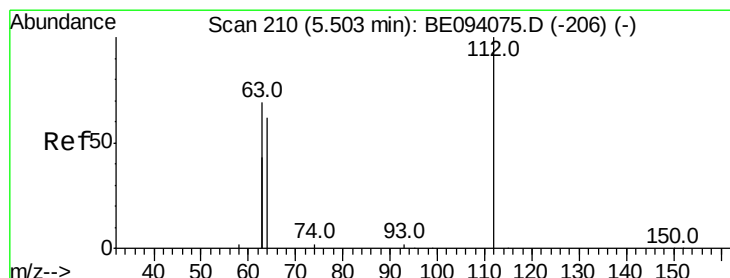
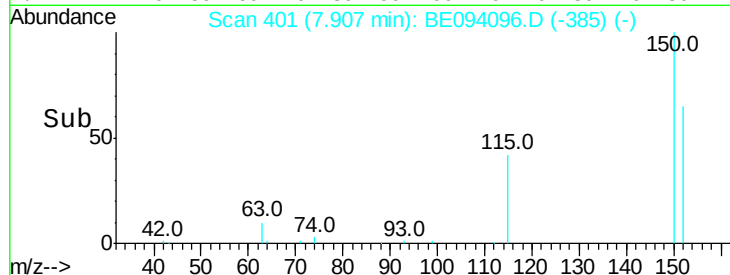
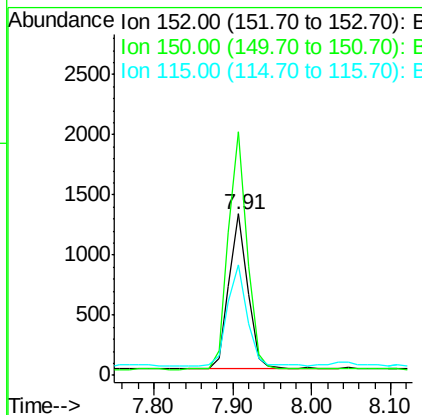
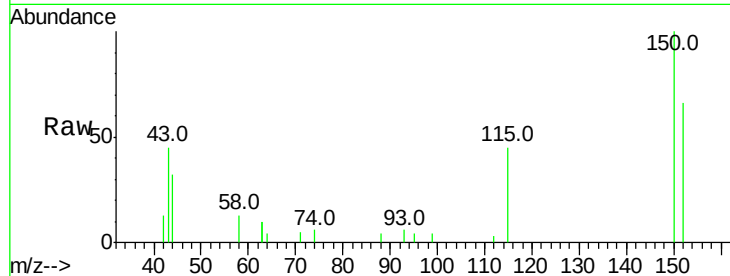
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampled :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	117.2	175.8
115	68.3	57.0	85.6

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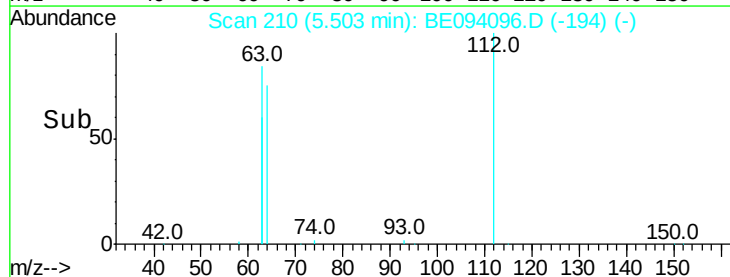
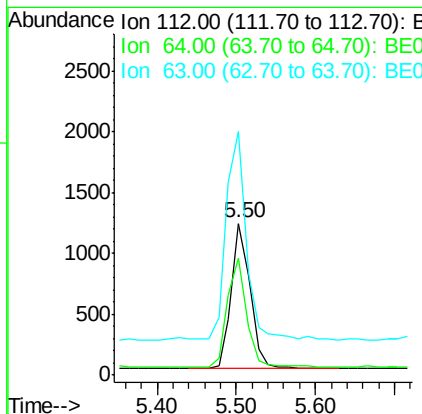
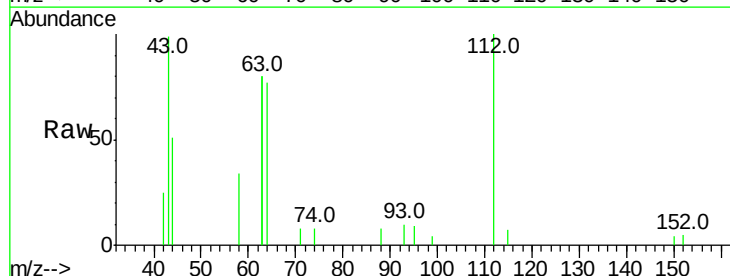
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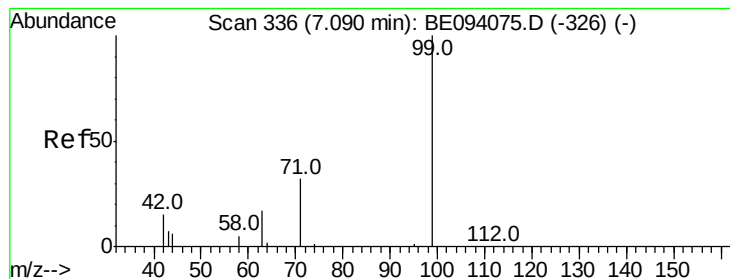


#4

2-Fluorophenol
Concen: 0.051 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.8	60.1	90.1
63	148.2	116.8	175.2





#5

Phenol-d6

Concen: 0.259 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Instrument :

BNA_E

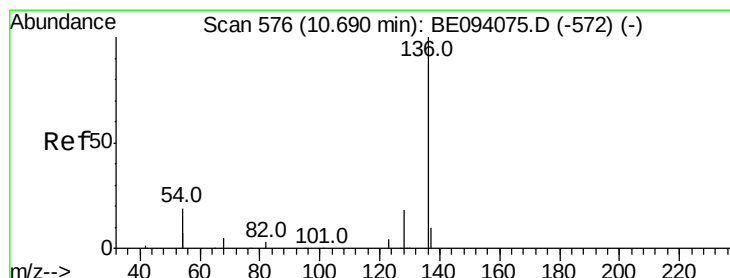
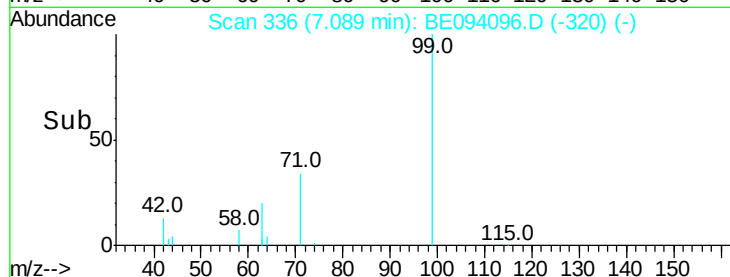
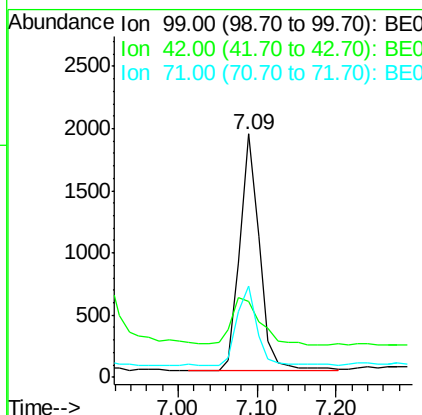
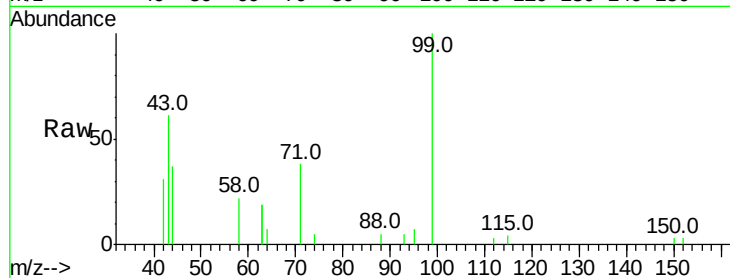
ClientSampled :

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Tot Ion:	99	Resp:	3281
Ion	Ratio	Lower	Upper
99	100		
42	29.8	20.2	30.2
71	34.3	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

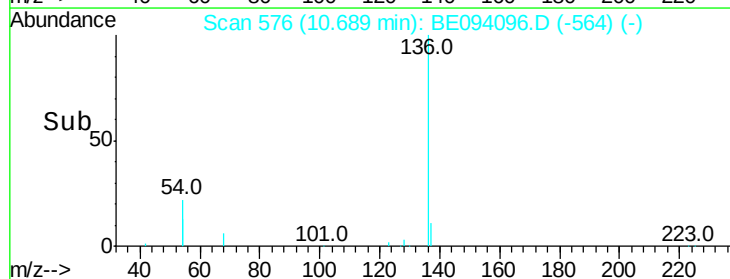
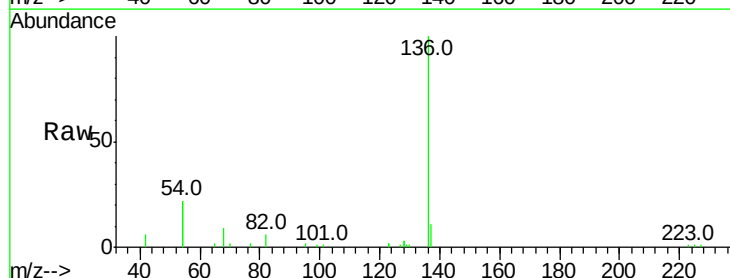
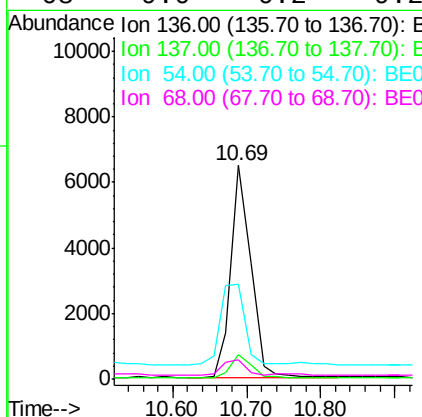
RT: 10.69 min Scan# 576

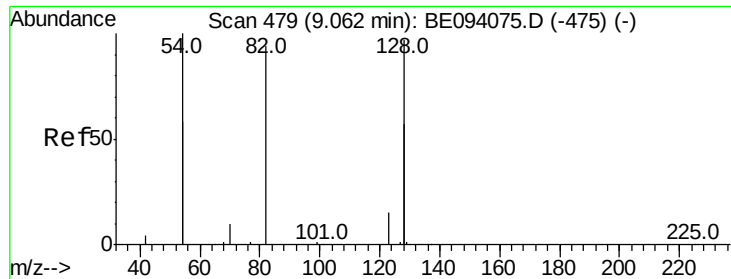
Delta R.T. -0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Tgt Ion:	136	Resp:	11975
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	44.1	29.1	43.7#
68	9.0	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.280 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Instrument :

BNA_E

ClientSampled :

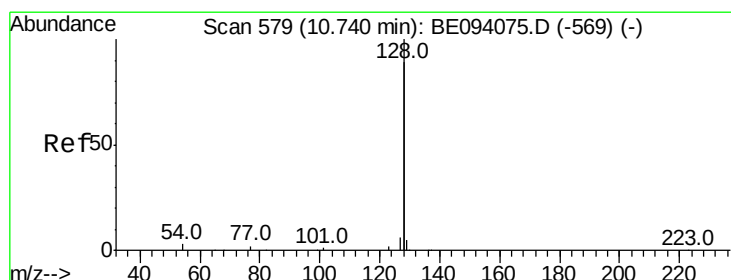
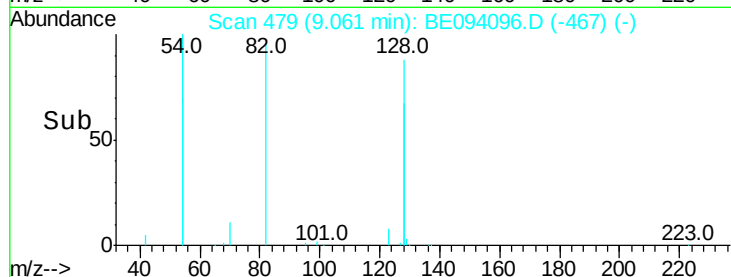
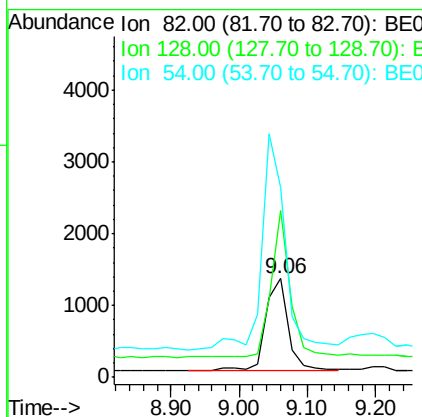
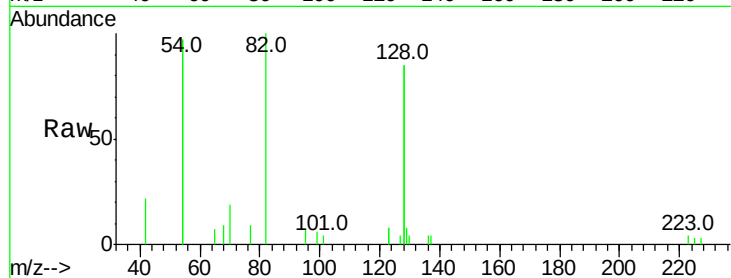
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Tot Ion:	82	Resp:	2981
Ion	Ratio	Lower	Upper
82	100		
128	170.2	150.0	225.0
54	193.3	154.2	231.4

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#9

Naphthalene

Concen: 0.032 ng

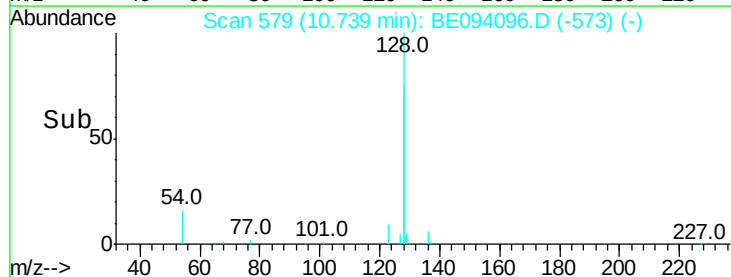
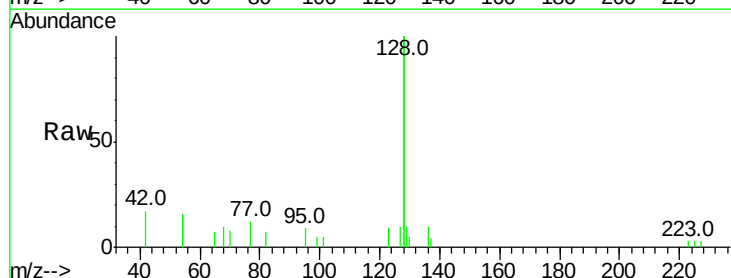
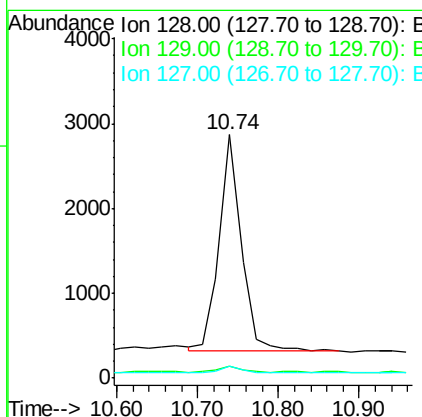
RT: 10.74 min Scan# 579

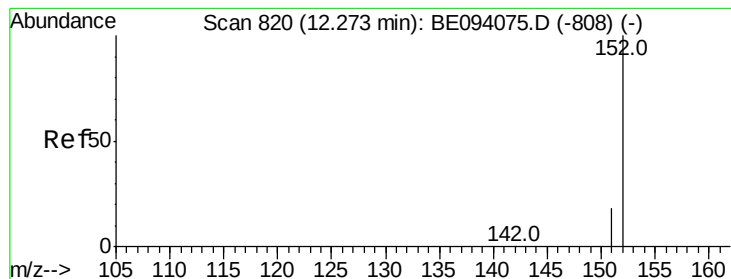
Delta R.T. -0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Tgt Ion:	128	Resp:	4873
Ion	Ratio	Lower	Upper
128	100		
129	4.9	2.6	3.8#
127	4.8	2.8	4.2#





#11

2-Methylnaphthalene-d10

Concen: 0.217 ng

RT: 12.27 min Scan# 820

Delta R.T. 0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Instrument :

BNA_E

ClientSampleId :

LT-TS-010

Tot Ion:152 Resp: 4399

Ion Ratio Lower Upper

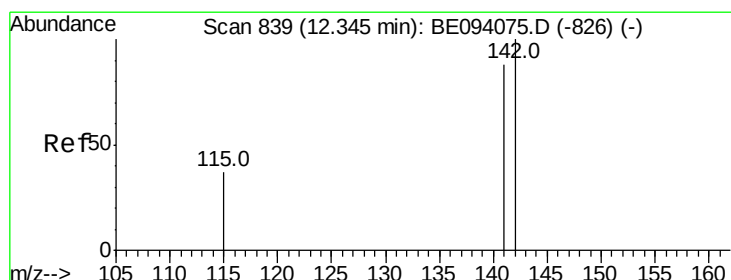
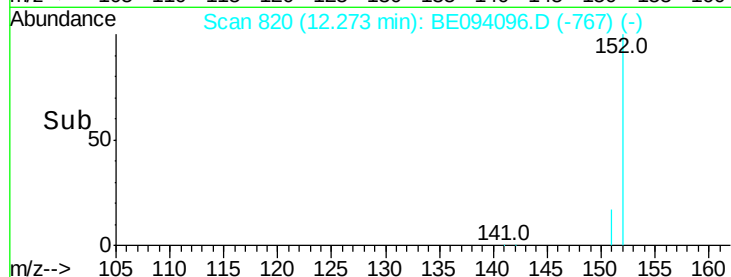
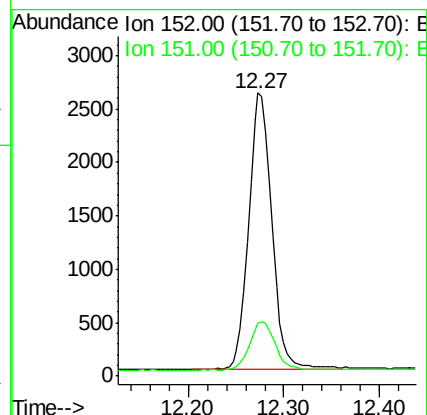
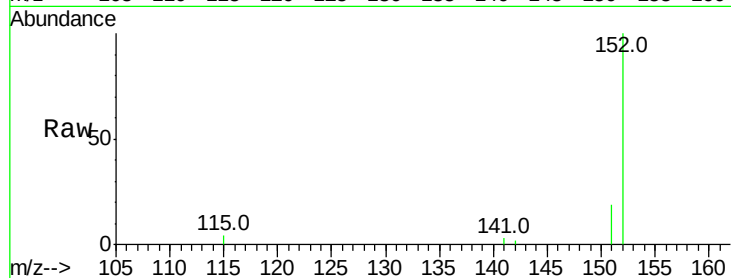
152 100

151 19.2 15.4 23.0

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#12

2-Methylnaphthalene

Concen: 0.032 ng

RT: 12.35 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

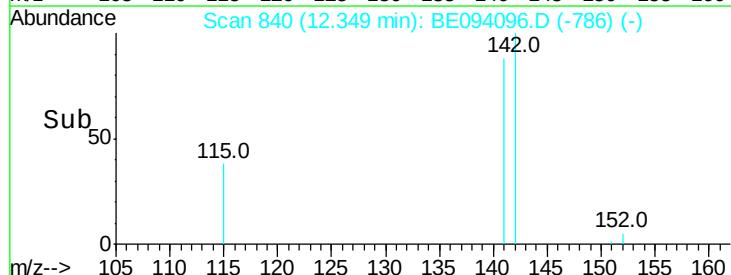
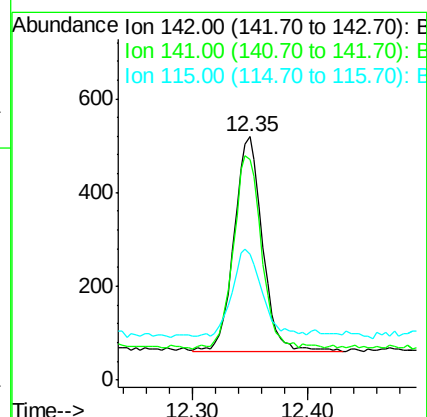
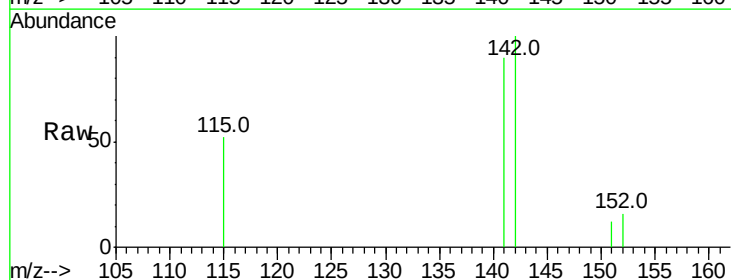
Tgt Ion:142 Resp: 779

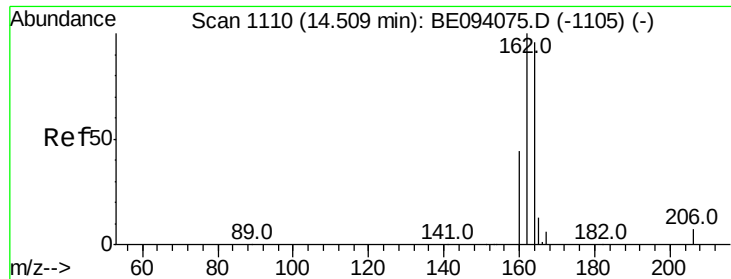
Ion Ratio Lower Upper

142 100

141 90.4 70.4 105.6

115 51.8 31.7 47.5#





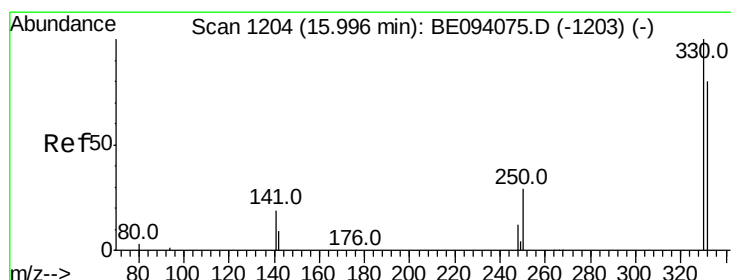
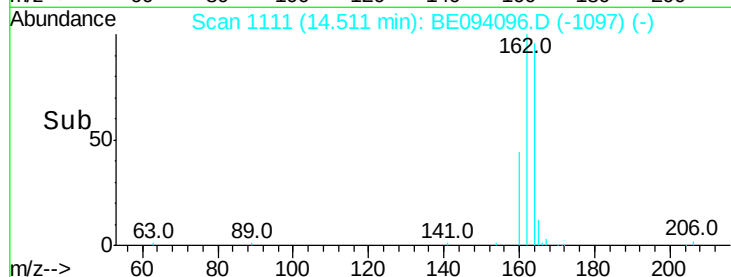
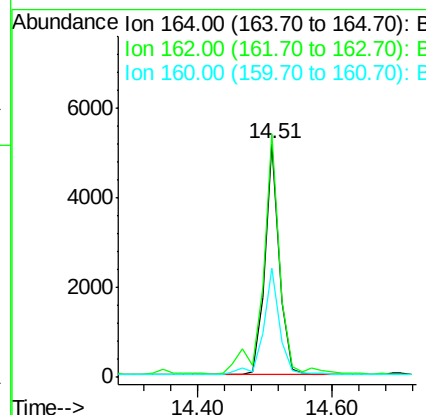
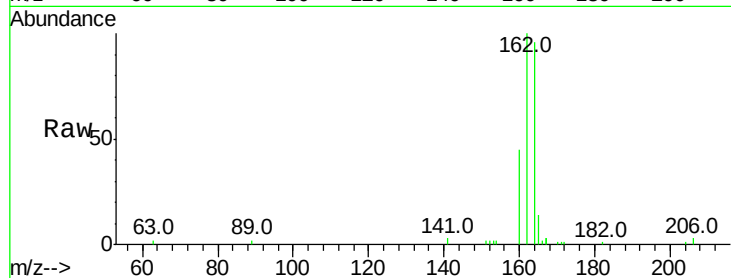
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	83.1	124.7
160	46.6	37.1	55.7

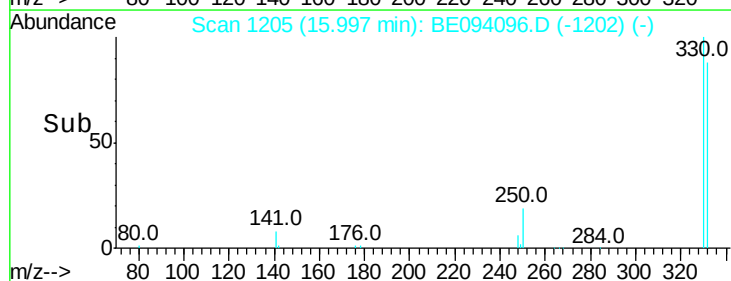
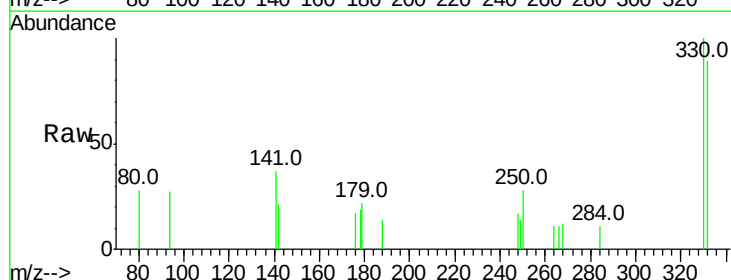
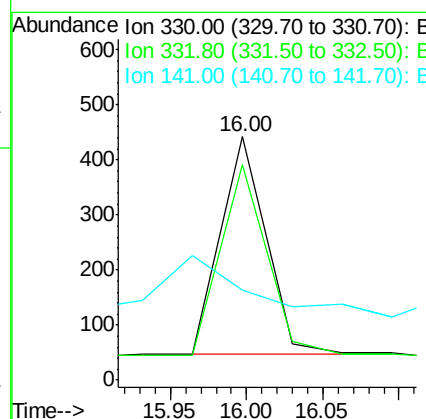
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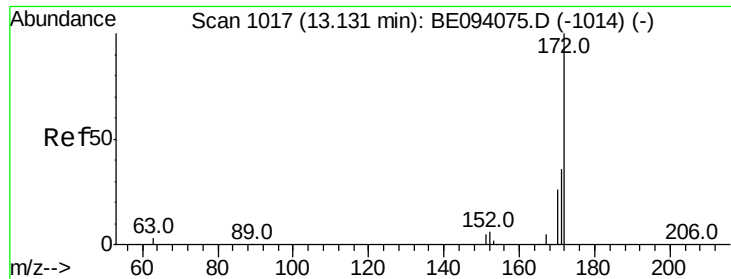
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#14
2,4,6-Tribromophenol
Concen: 0.139 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.3	152.7	229.1#
141	0.0	33.7	50.5#





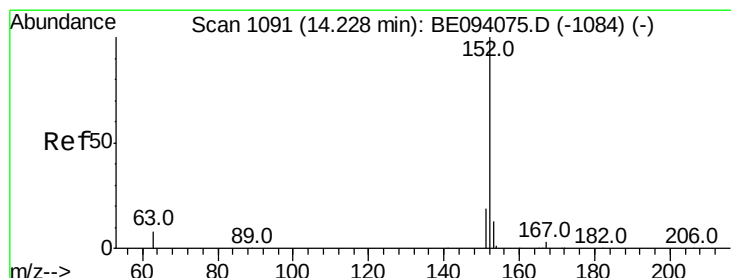
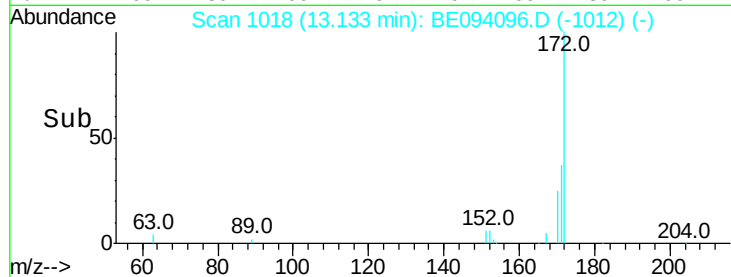
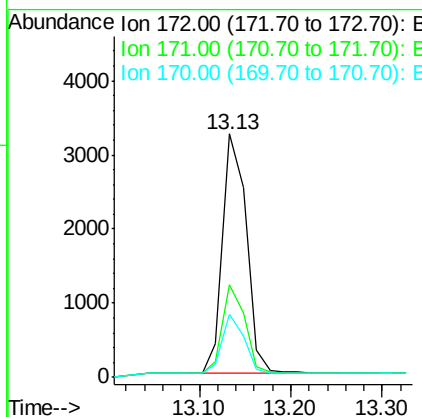
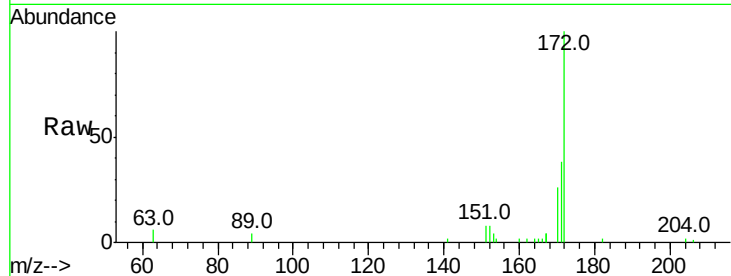
#15
2-Fluorobiphenyl
Concen: 0.230 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.9	44.9
170	25.8	21.8	32.8

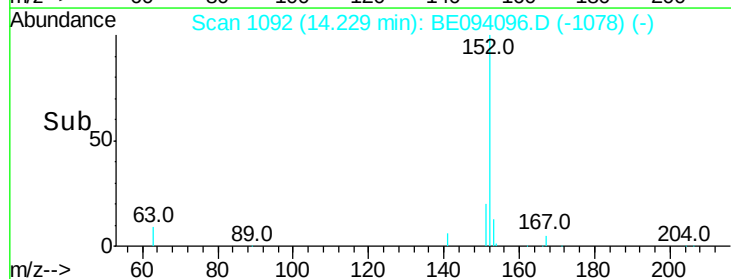
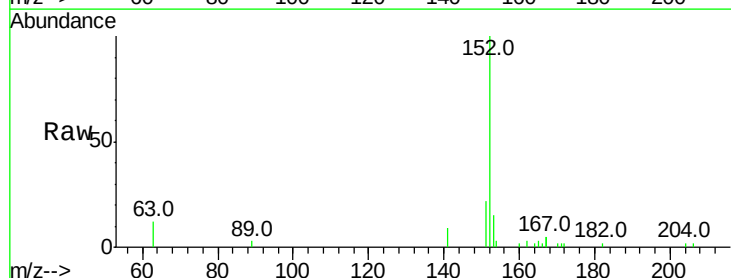
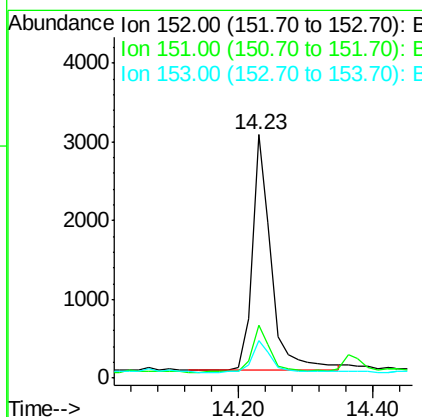
Manual Integrations
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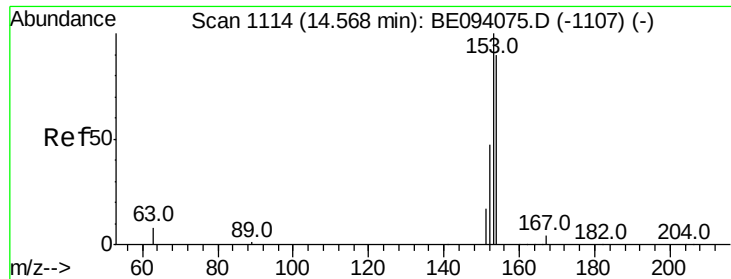
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#16
Acenaphthylene
Concen: 0.152 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	12.9	10.5	15.7





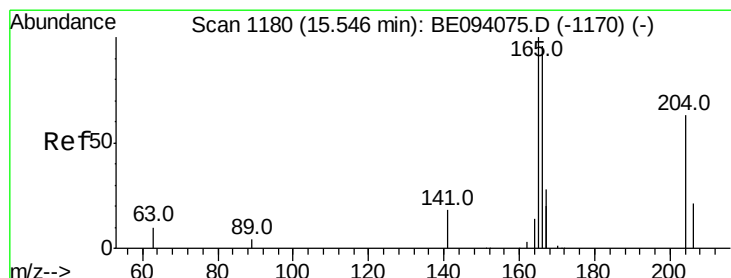
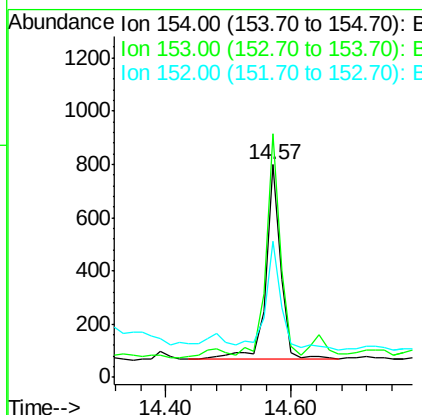
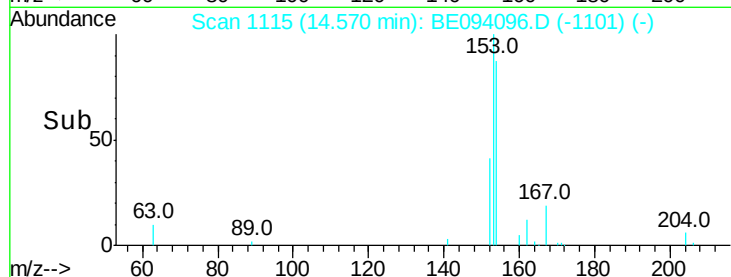
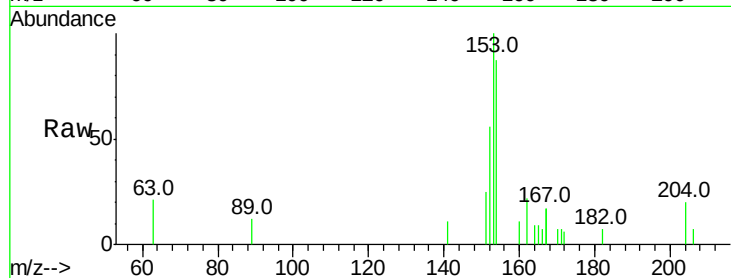
#17
Acenaphthene
Concen: 0.047 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
154	100		
153	107.2	89.2	133.8
152	61.8	42.0	63.0

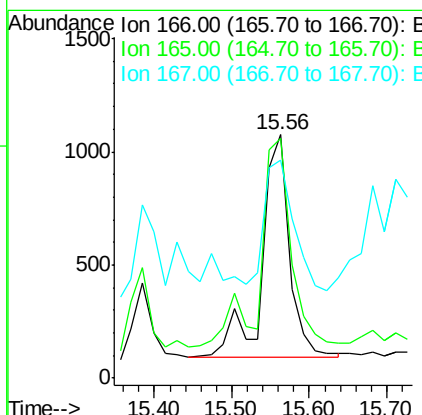
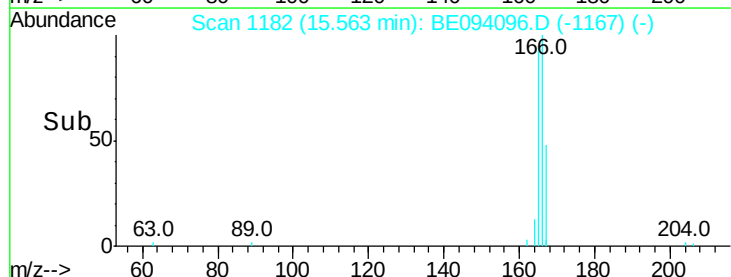
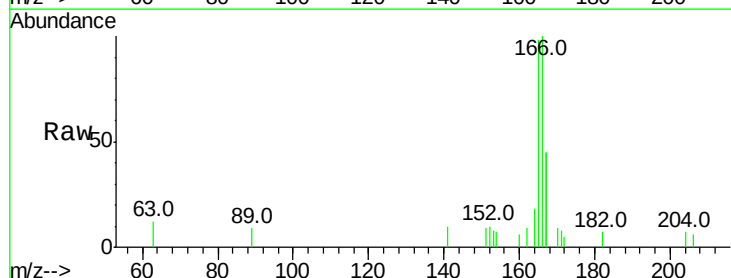
Manual Integrations
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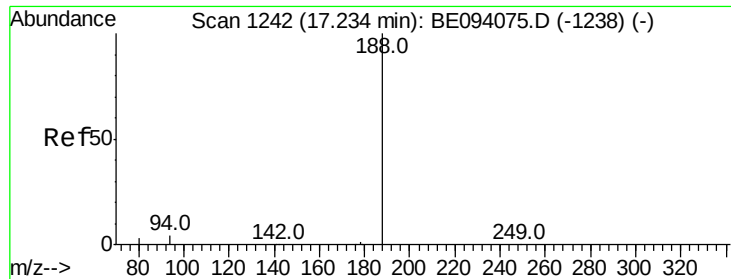
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#18
Fluorene
Concen: 0.063 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.8	77.8	116.6
167	61.8	42.4	63.6





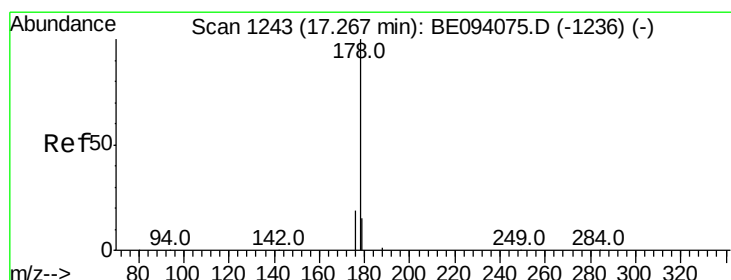
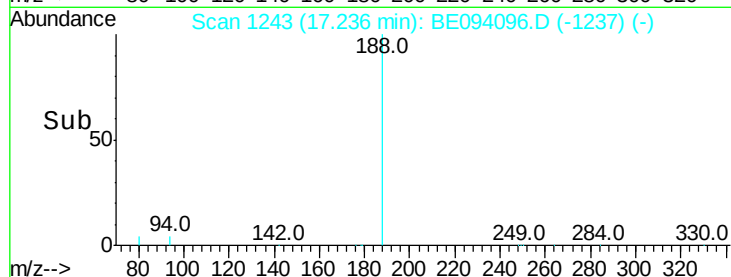
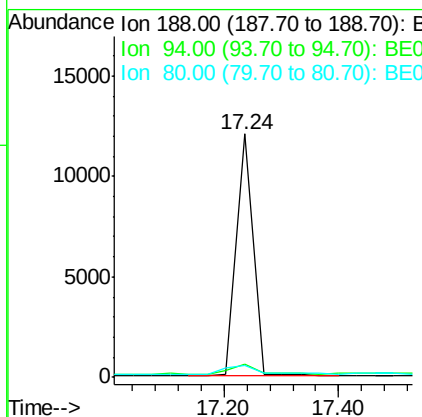
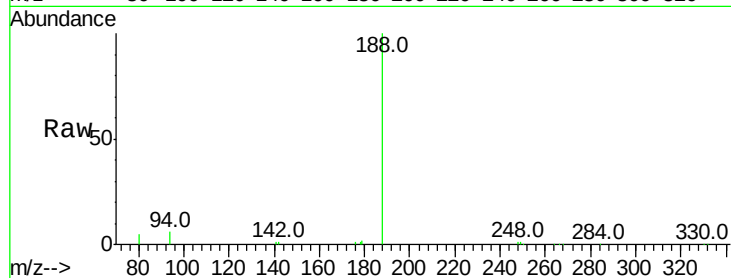
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampled :
LT-TS-010

Tot Ion	Ratio	Resp	Lower	Upper
188	100	24126		
94	5.7		3.9	5.9
80	5.1		3.6	5.4

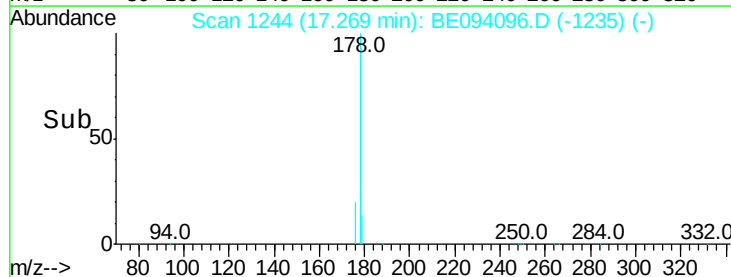
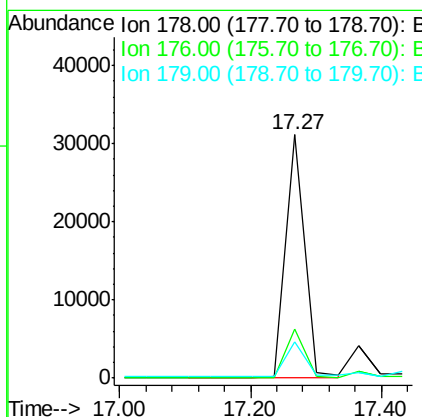
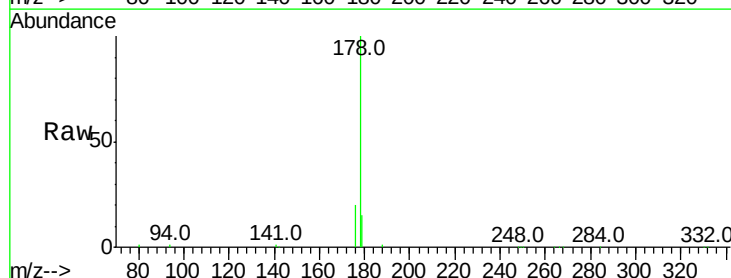
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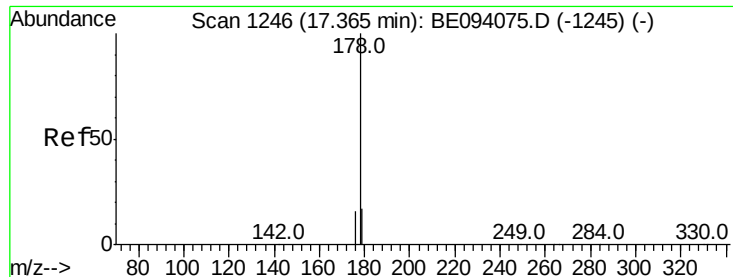
Sohil
9/25/2017 6:24:54 PM



#23
Phenanthrene
Concen: 0.720 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	62208		
176	20.0		15.1	22.7
179	15.5		11.8	17.6





#24

Anthracene

Concen: 0.136 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Instrument :

BNA_E

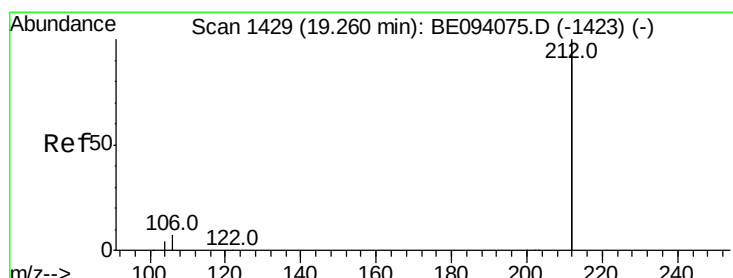
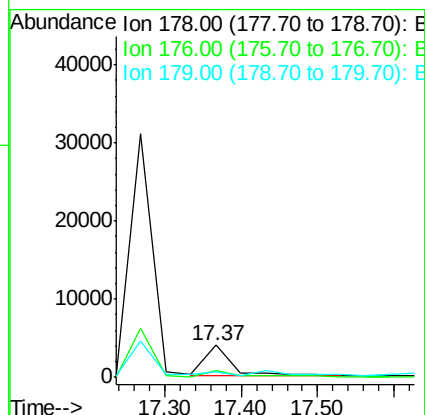
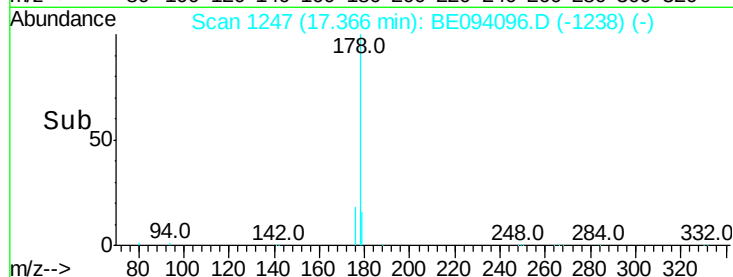
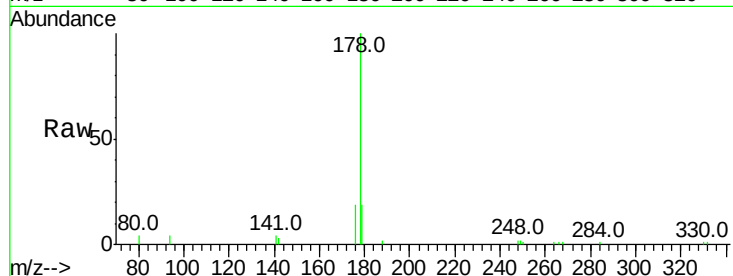
ClientSampleId :

LT-TS-010

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	12.8	19.2
179	11.7	13.0	19.6

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9/25/2017 6:24:54 PM



#25

Fluoranthene-d10

Concen: 0.113 ng

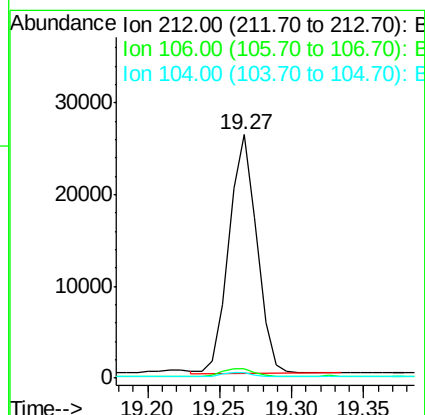
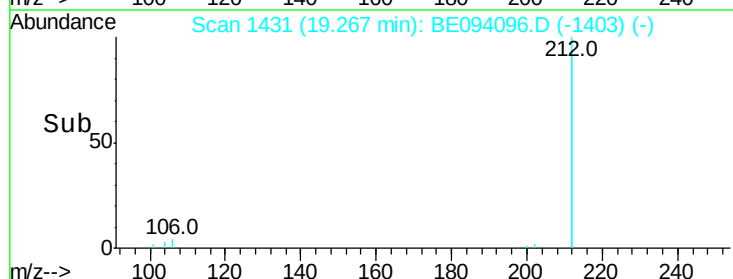
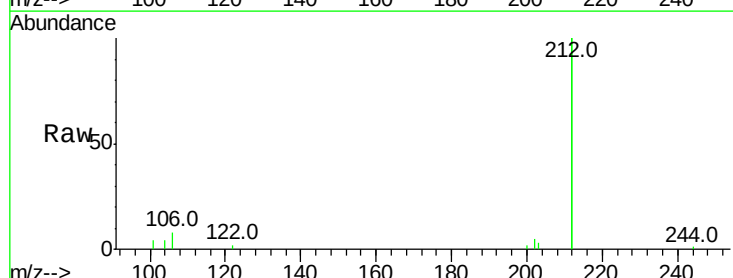
RT: 19.27 min Scan# 1431

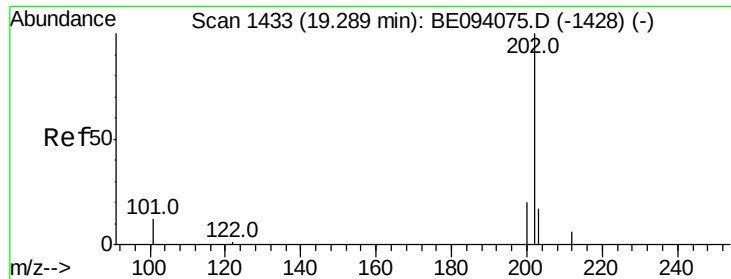
Delta R.T. 0.01 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.8	2.8	4.2
104	2.3	1.6	2.4





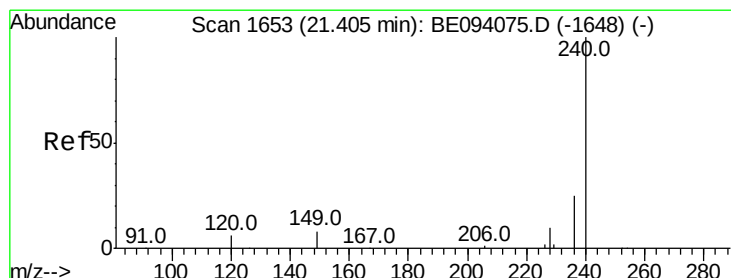
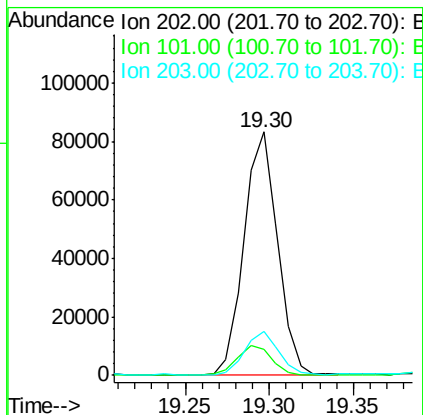
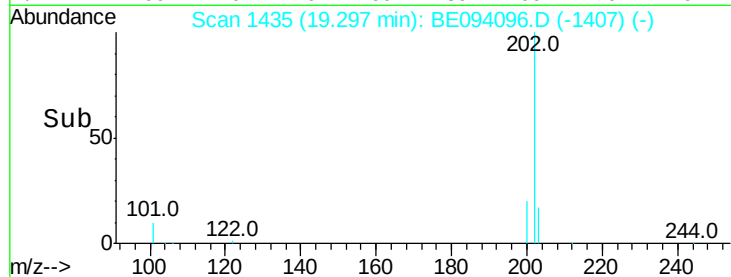
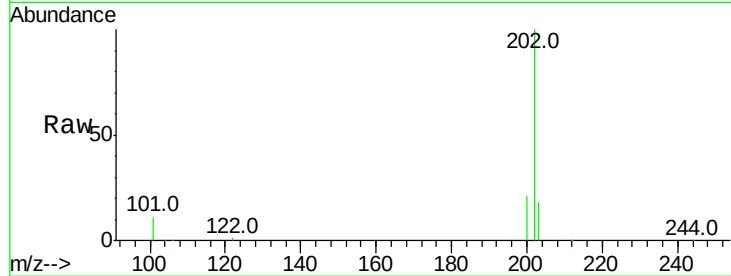
#26
Fluoranthene
 Concen: 1.238 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BE094096.D
 Acq: 24 Sep 2017 2:18

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-010

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	9.8	14.8
203	17.5	13.7	20.5

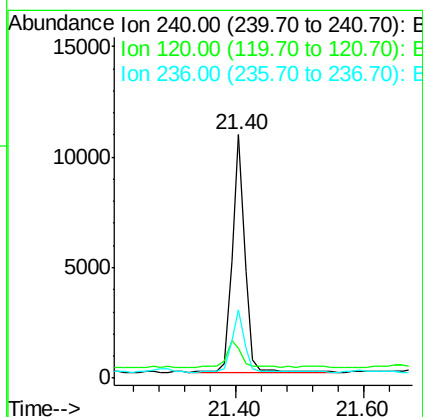
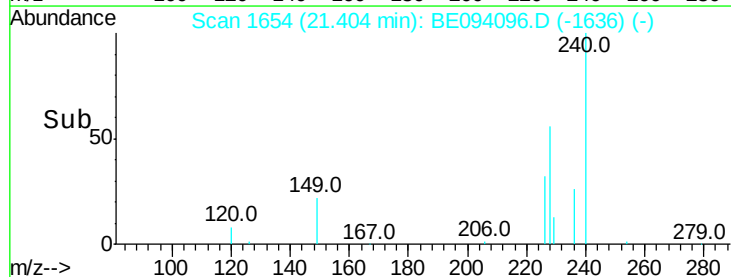
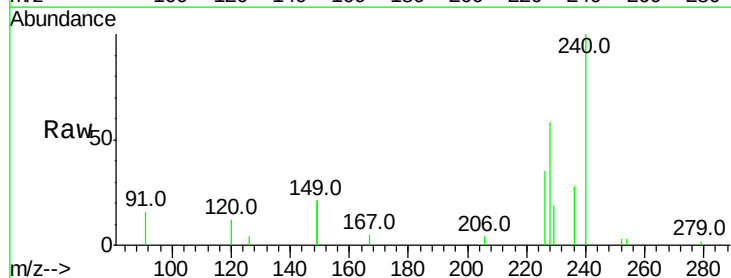
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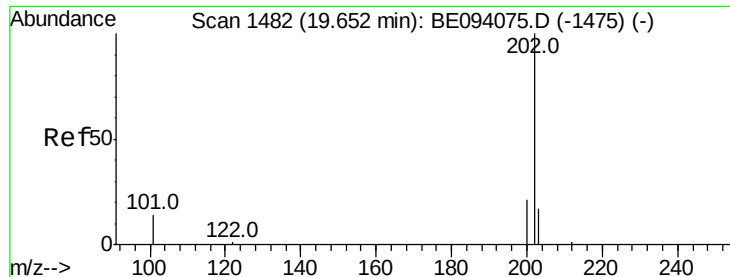
Sohil
 9/25/2017 6:24:54 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094096.D
 Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	5.5	8.3#
236	27.8	20.7	31.1





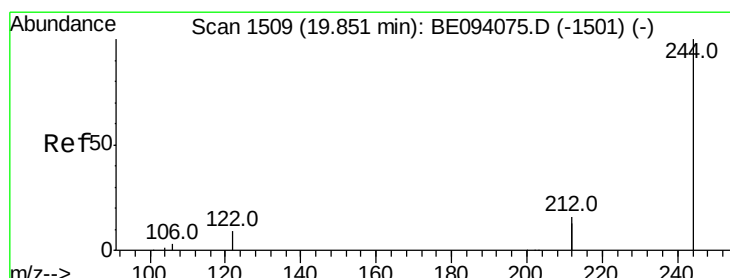
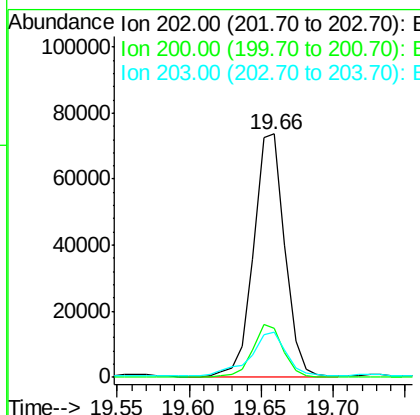
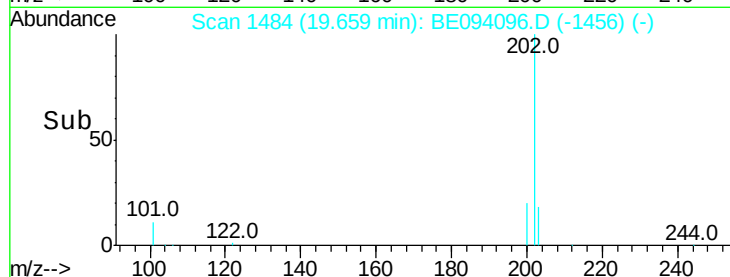
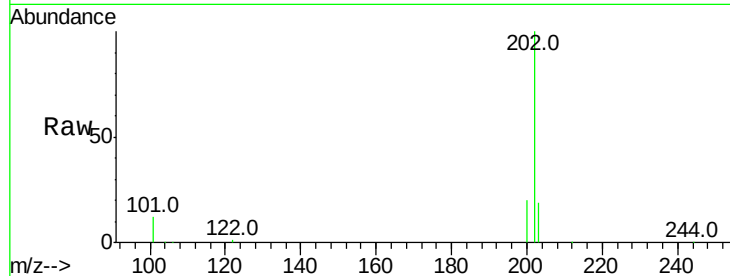
#28
Pvrene
Concen: 2.741 ng
RT: 19.66 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampled :
LT-TS-010

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

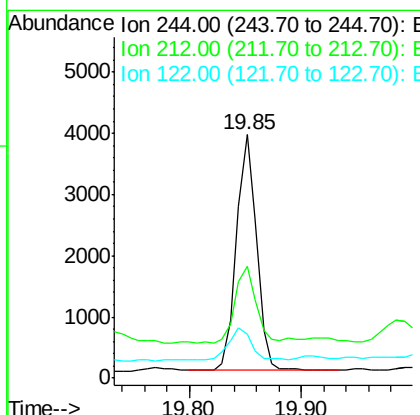
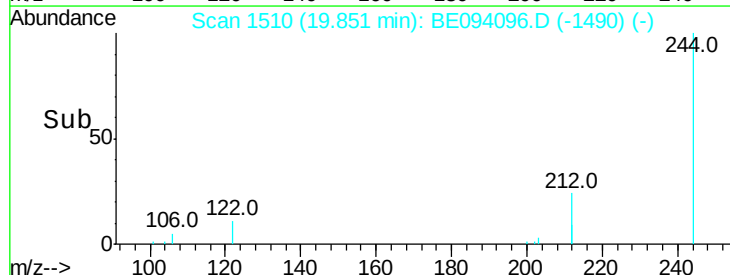
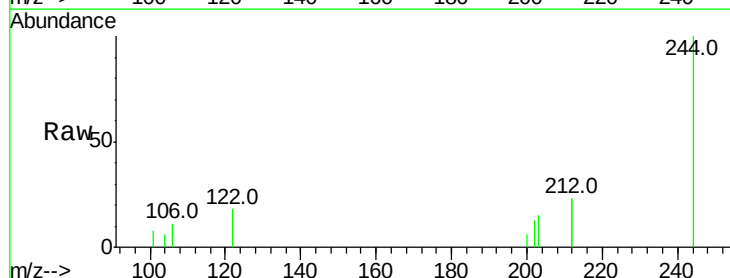
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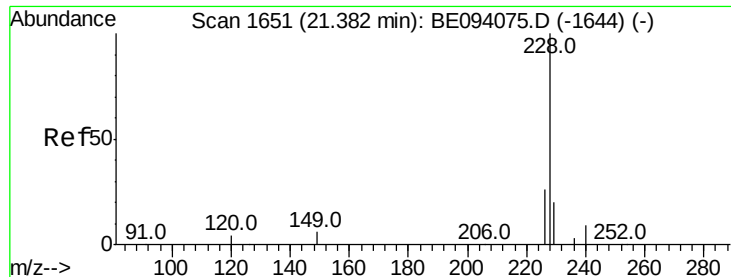
Sohil
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#29
Terphenyl-d14
Concen: 0.213 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	46.0	25.4	38.0
122	18.0	8.1	12.1





#30

Benzo(a)anthracene

Concen: 0.925 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Instrument :

BNA_E

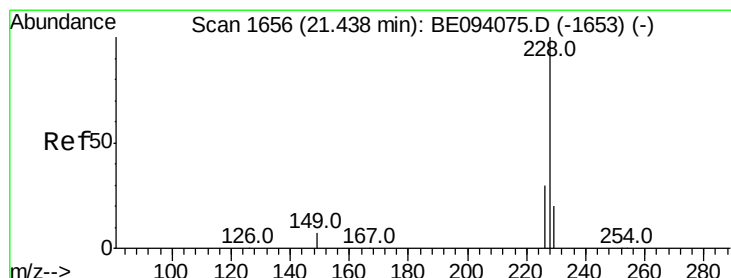
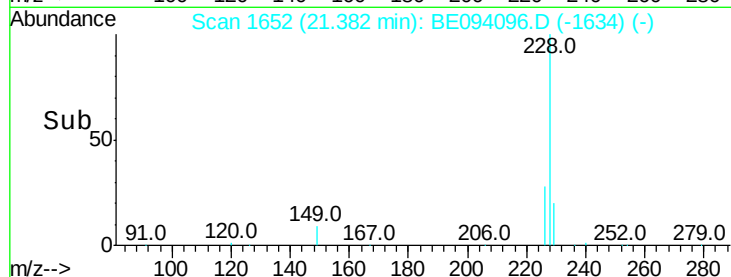
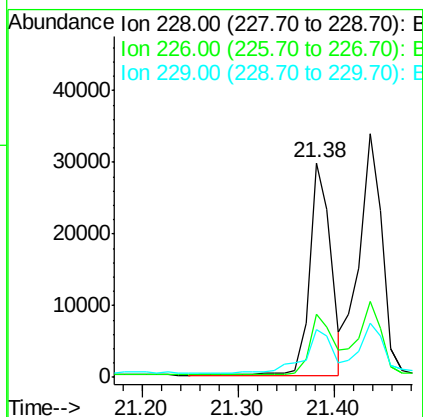
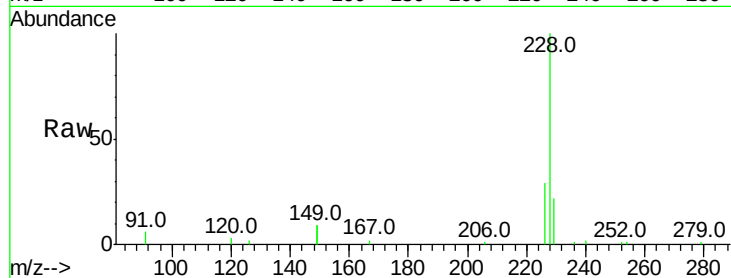
ClientSampleId :

LT-TS-010

Tot Ion:	228	Resp:	45010
Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.4	32.0
229	22.0	16.4	24.6

Manual Integrations
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#31

Chrysene

Concen: 1.166 ng

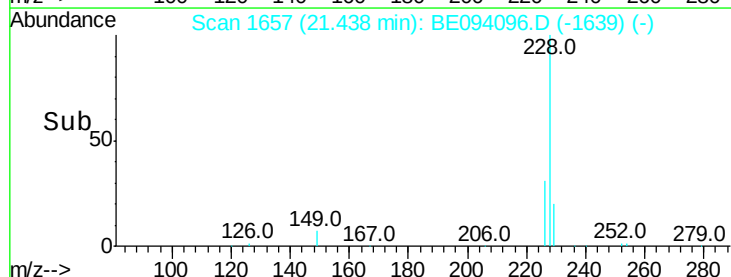
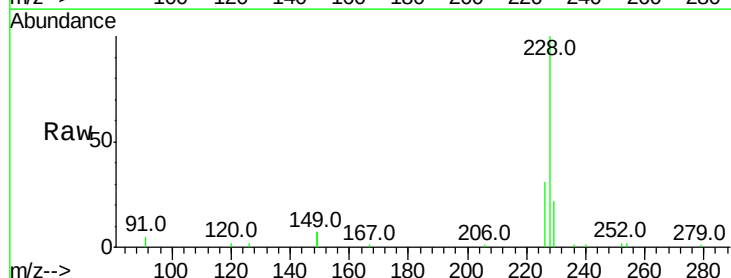
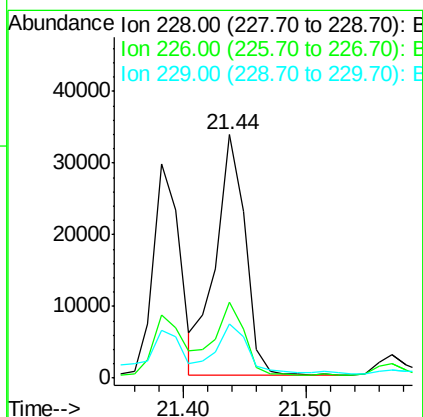
RT: 21.44 min Scan# 1657

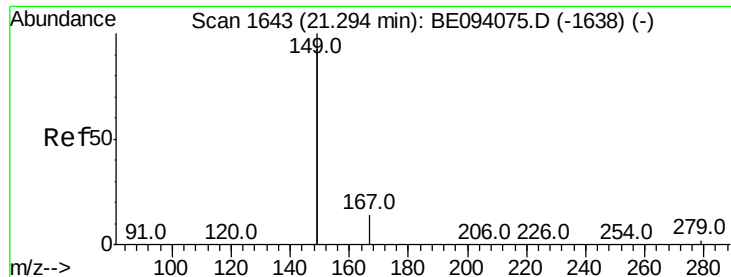
Delta R.T. -0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Tgt Ion:	228	Resp:	55615
Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.6	35.4
229	22.1	16.4	24.6





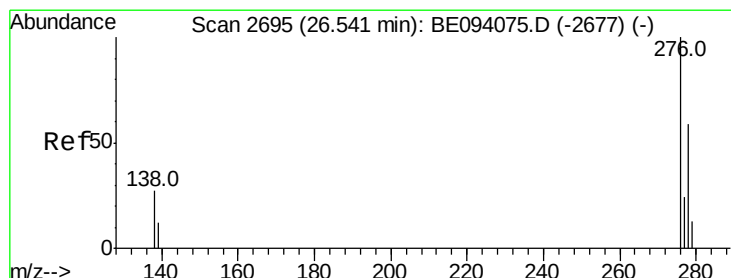
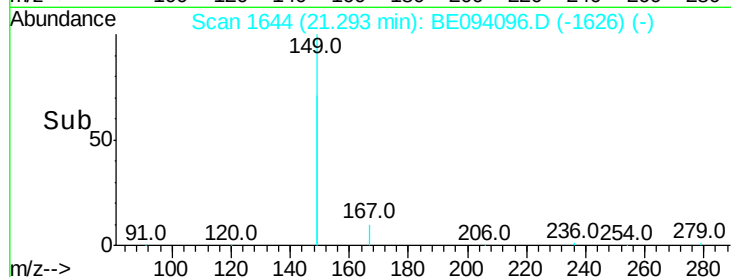
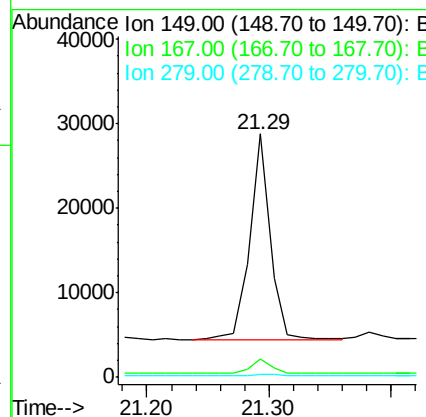
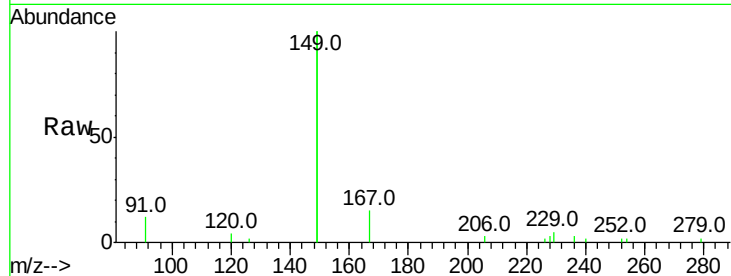
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.222 ng
 RT: 21.29 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BE094096.D
 Acq: 24 Sep 2017 2:18

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-010

Tot Ion	Ratio	Resp	Lower	Upper
149	100	29018		
167	7.2	5.4	8.0	
279	1.0	0.7	1.1	

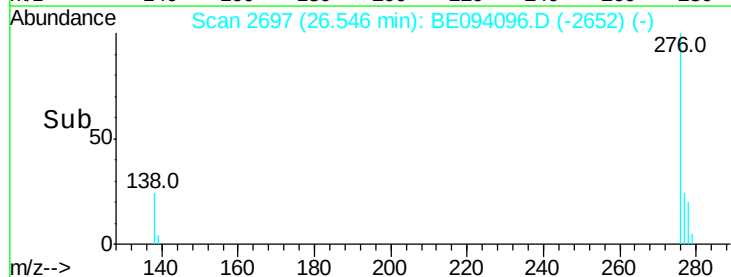
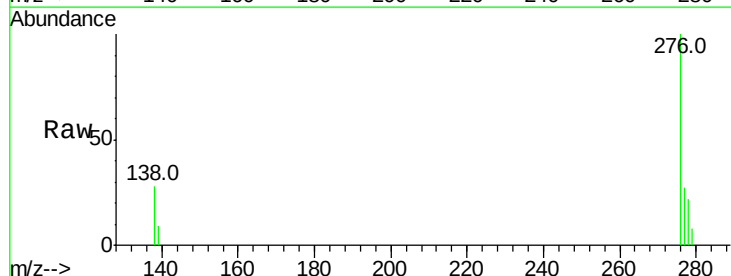
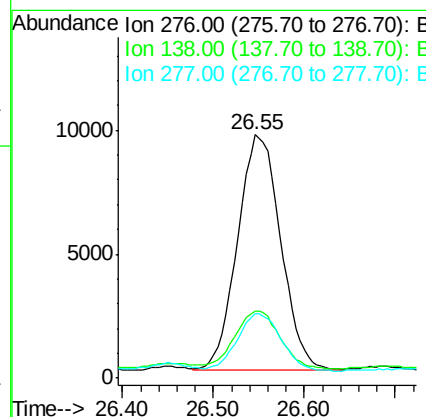
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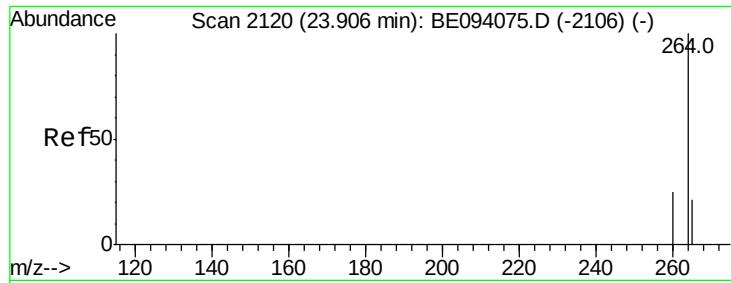
Sohil
 9/25/2017 6:24:54 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.848 ng
 RT: 26.55 min Scan# 2697
 Delta R.T. 0.01 min
 Lab File: BE094096.D
 Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	31247		
138	25.0	22.5	33.7	
277	25.0	19.9	29.9	





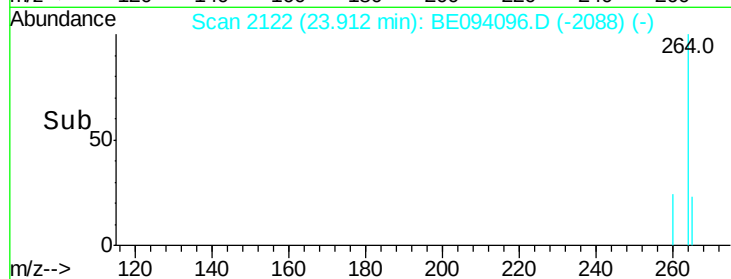
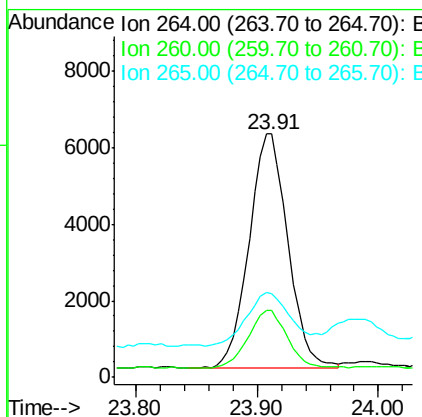
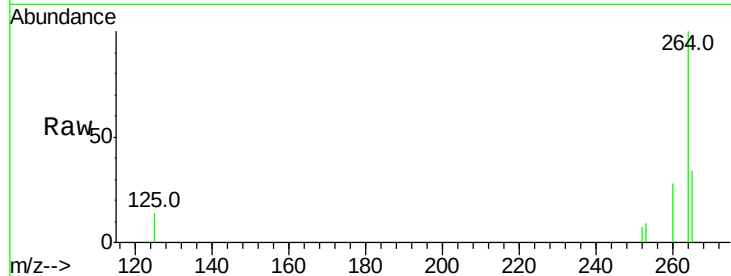
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. 0.01 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	27.5	20.5	30.7	
265	34.5	22.8	34.2	

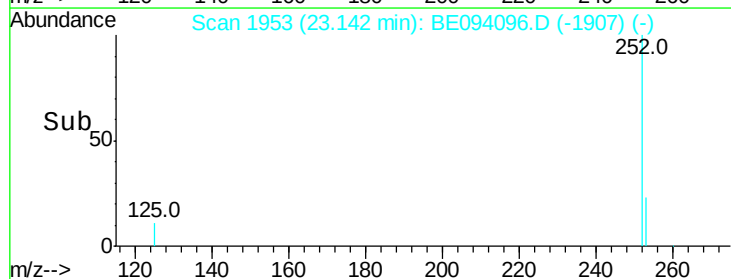
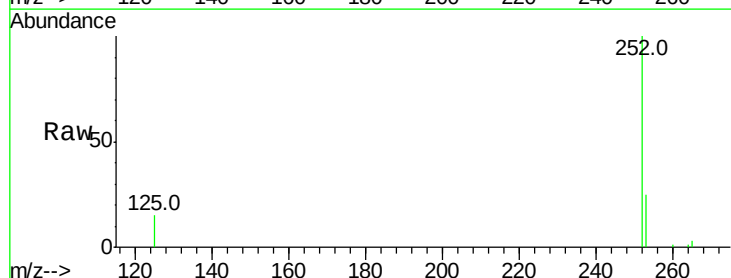
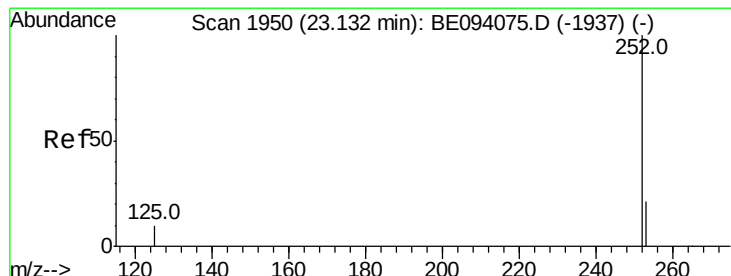
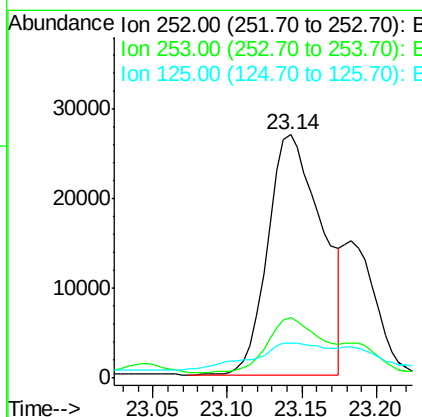
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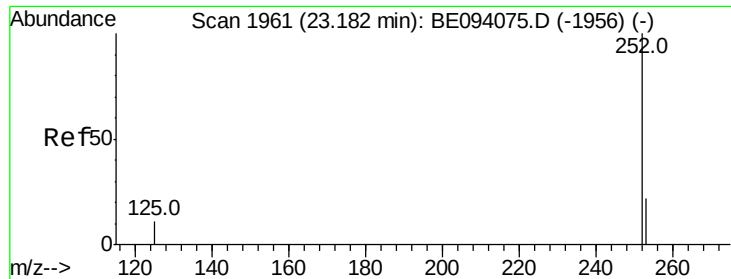
Sohil
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#35
Benzo(b)fluoranthene
Concen: 1.383 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.01 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.8	18.2	27.2	
125	14.6	10.1	15.1	





#36

Benzo(k)fluoranthene

Concen: 0.475 ng m

RT: 23.18 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Instrument :

BNA_E

ClientSampled :

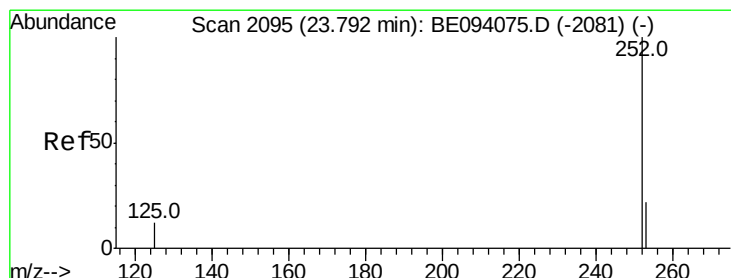
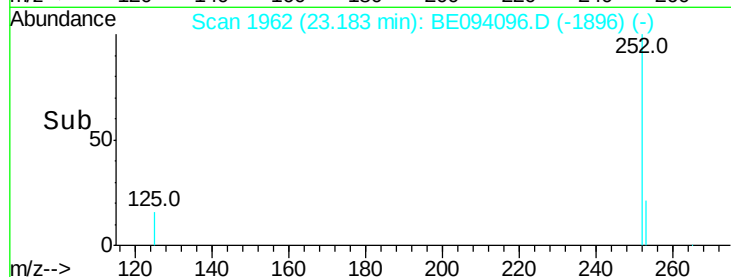
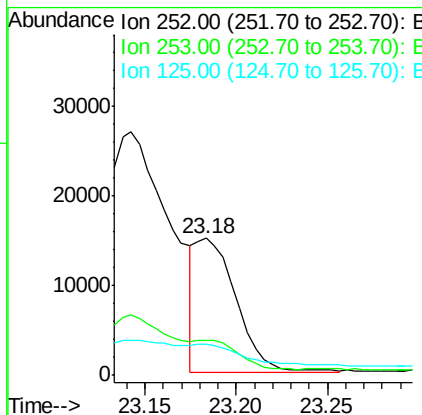
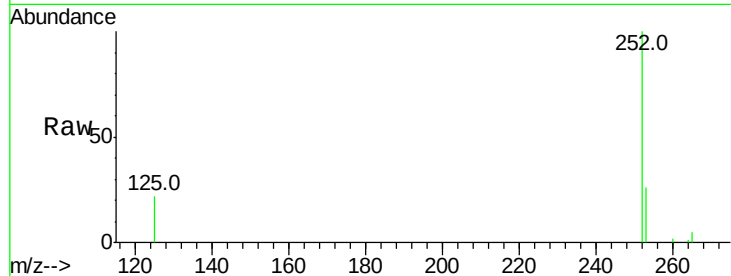
LT-TS-010

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.6	27.8
125	22.4	10.7	16.1

Manual Integrations
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Sohil

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#37

Benzo(a)pyrene

Concen: 1.049 ng

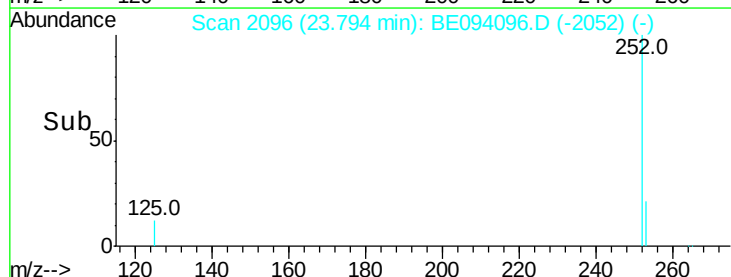
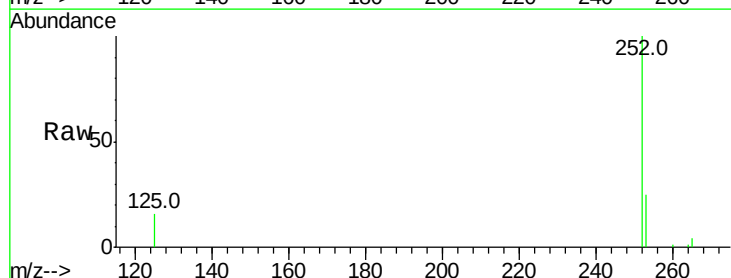
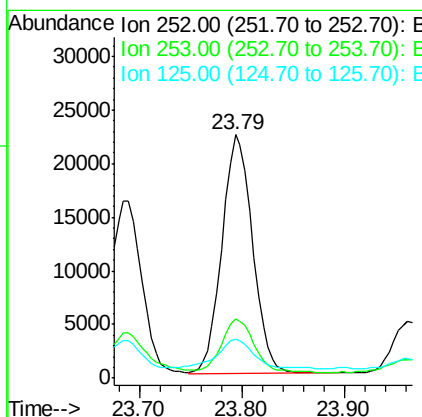
RT: 23.79 min Scan# 2096

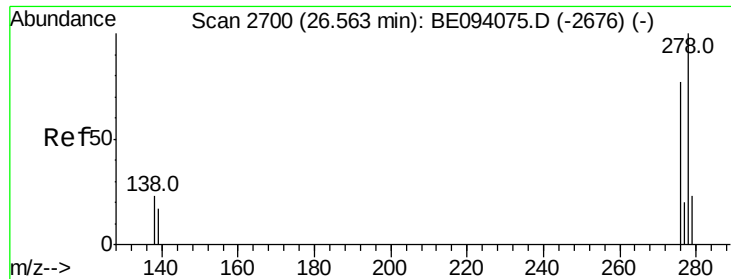
Delta R.T. 0.00 min

Lab File: BE094096.D

Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.0	28.6
125	16.0	11.8	17.8





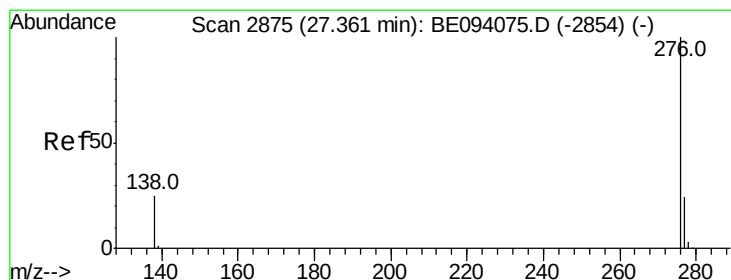
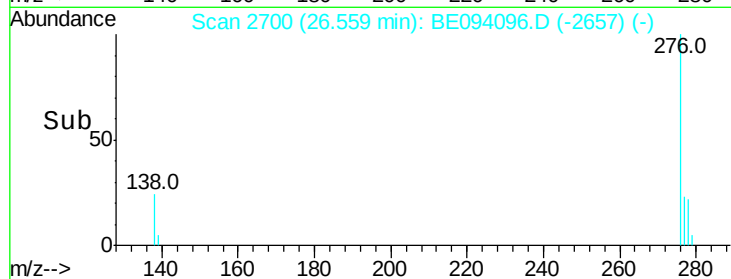
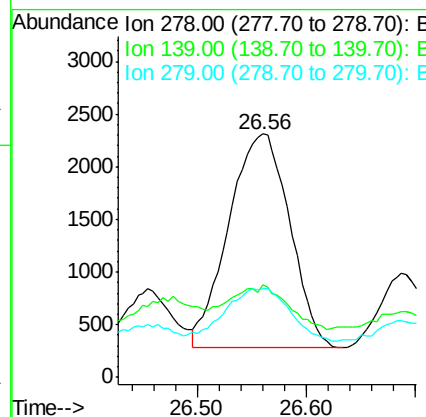
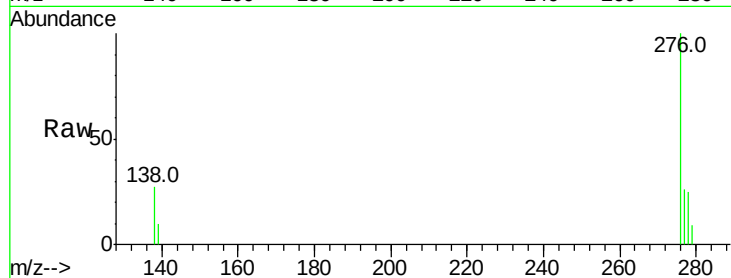
#38
Dibenzo(a,h)anthracene
Concen: 0.224 ng
RT: 26.56 min Scan# 2700
Delta R.T. -0.00 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Instrument :
BNA_E
ClientSampleId :
LT-TS-010

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.9	16.3	24.5#
279	36.3	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/25/2017 6:24:54 PM



#39
Benzo(g,h,i)perylene
Concen: 0.913 ng
RT: 27.38 min Scan# 2879
Delta R.T. 0.01 min
Lab File: BE094096.D
Acq: 24 Sep 2017 2:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.8	31.2
138	28.2	21.5	32.3

