

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094117.D
 Acq On : 26 Sep 2017 00:16
 Operator : SJ/JU
 Sample : I5340-02DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleID :
 LT-TS-002DL

Manual Integrations
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Quant Time: Sep 26 03:42:31 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	1685	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	8390	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5439	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	20340	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15505	0.40	ng	0.00
34) Perylene-d12	23.91	264	14875	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	965	0.15	ng	0.00
5) Phenol-d6	7.09	99	1467	0.17	ng	0.00
8) Nitrobenzene-d5	9.06	82	1216	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	2218	0.17	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	440	0.11	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	2925	0.16	ng	0.00
25) Fluoranthene-d10	19.27	212	26642	0.14	ng	0.00
29) Terphenyl-d14	19.85	244	3948	0.14	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	2415	0.025	ng	# 91
12) 2-Methylnaphthalene	12.34	142	347	0.023	ng	# 79
16) Acenaphthylene	14.23	152	3760	0.138	ng	98
17) Acenaphthene	14.57	154	621	0.036	ng	88
18) Fluorene	15.56	166	1165	0.050	ng	# 80
23) Phenanthrene	17.27	178	34117	0.656	ng	97
24) Anthracene	17.37	178	5089	0.093	ng	# 93
26) Fluoranthene	19.30	202	70684	1.212	ng	99
28) Pyrene	19.66	202	69669	1.418	ng	# 96
30) Benzo(a)anthracene	21.38	228	32233	0.617	ng	96
31) Chrysene	21.44	228	38982	0.774	ng	96
33) Indeno(1,2,3-cd)pyrene	26.55	276	21953	0.407	ng	97
35) Benzo(b)fluoranthene	23.14	252	47420	0.884	ng	# 94
36) Benzo(k)fluoranthene	23.18	252	15953m	0.310	ng	
37) Benzo(a)pyrene	23.79	252	32056	0.661	ng	96
38) Dibenzo(a,h)anthracene	26.56	278	5517	0.120	ng	# 70
39) Benzo(a,h,i)perylene	27.37	276	22633	0.498	ng	98

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

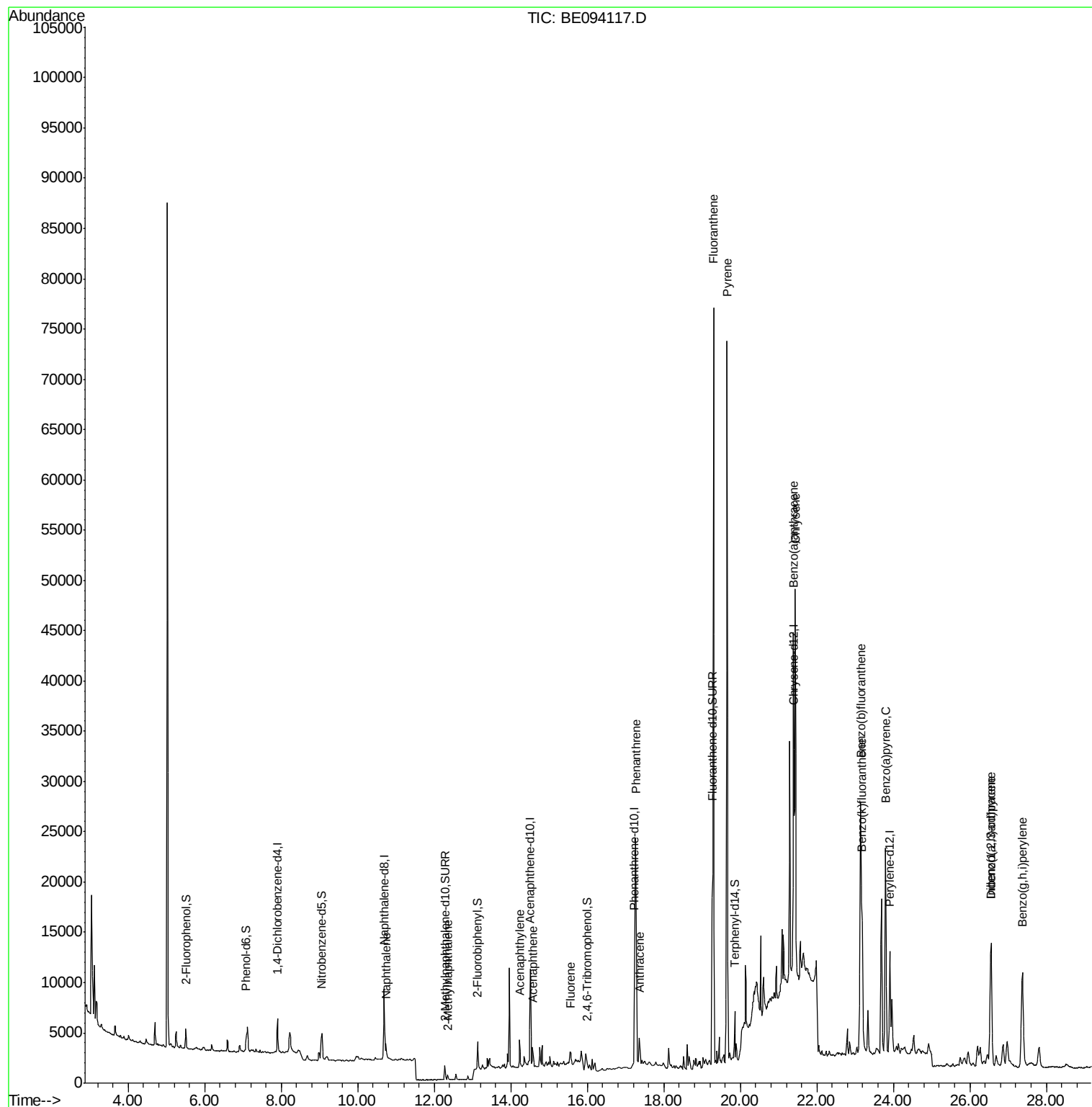
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
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ALS Vial : 11 Sample Multiplier: 1

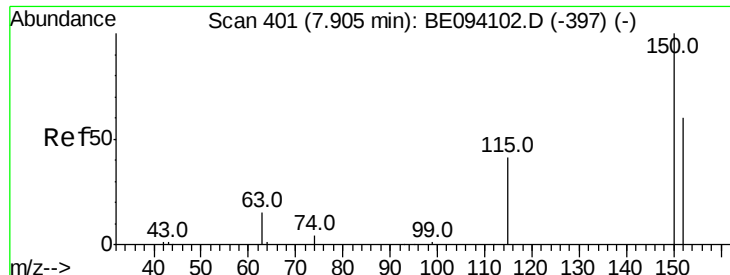
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

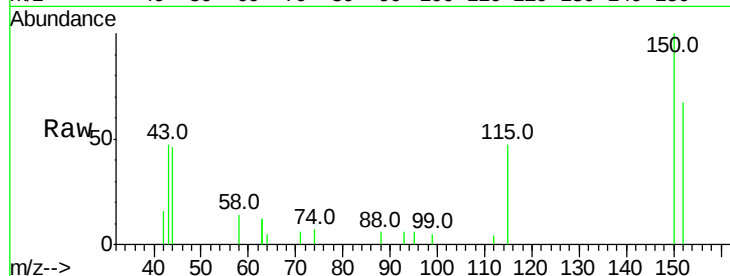
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampleId :
LT-TS-002DL

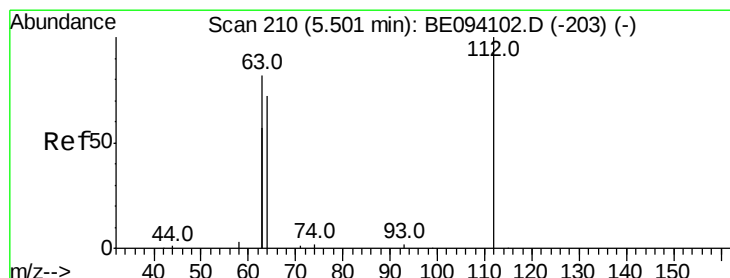
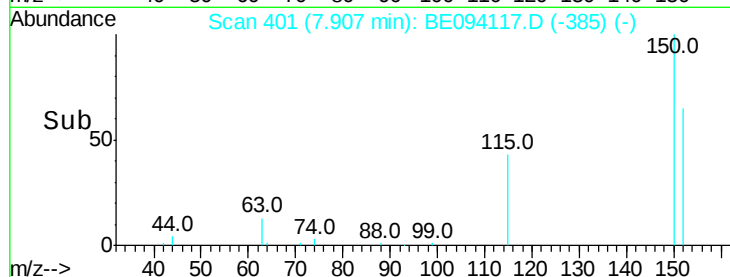
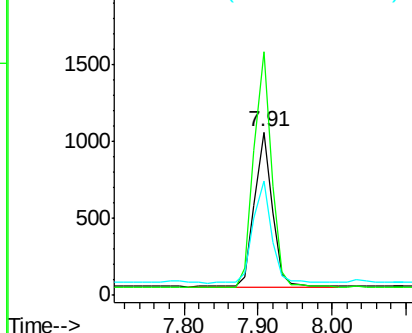
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	117.2	175.8
115	70.0	57.0	85.6

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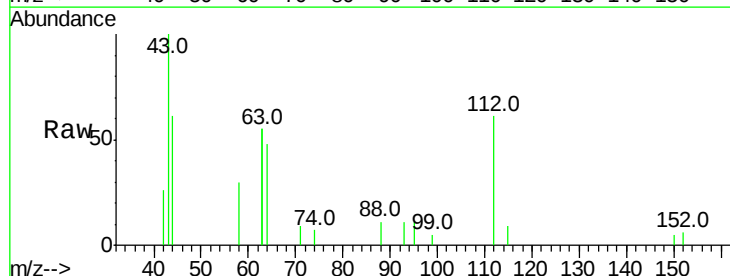
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



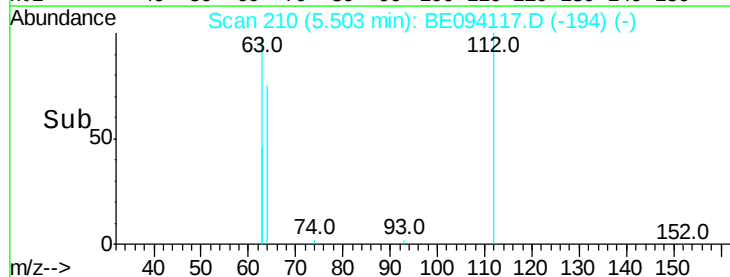
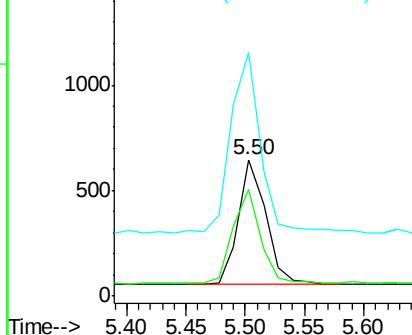
#4

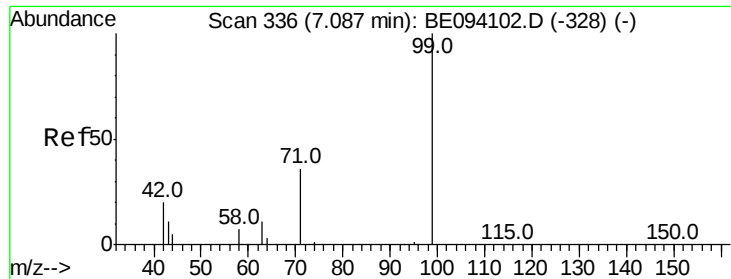
2-Fluorophenol
Concen: 0.151 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.5	60.1	90.1
63	154.2	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: 0.165 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Instrument :

BNA_E

ClientSampled :

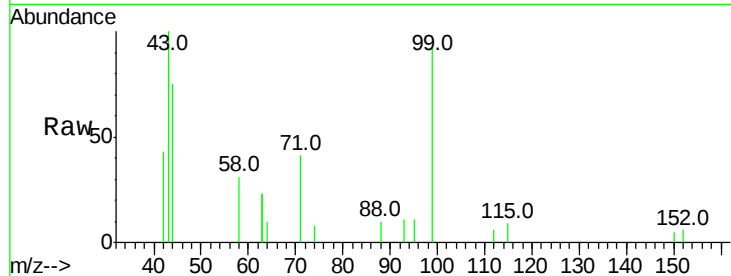
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Tot Ion:	99	Resp:	1467
Ion Ratio	Lower	Upper	
99	100		
42	31.5	20.2	30.2#
71	38.2	28.4	42.6

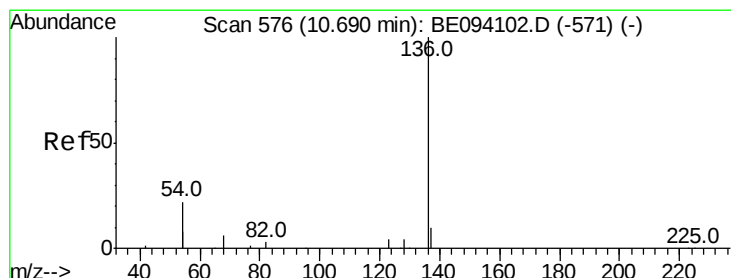
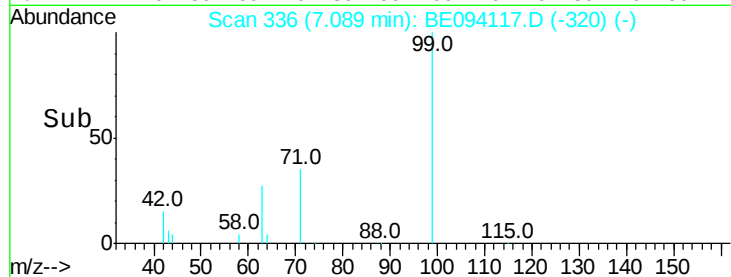
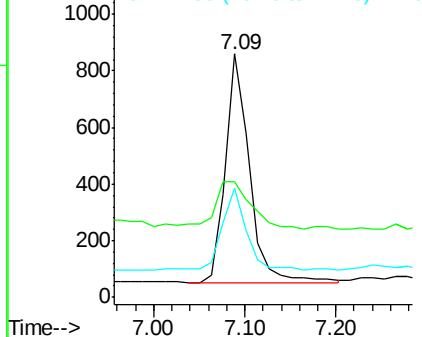
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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

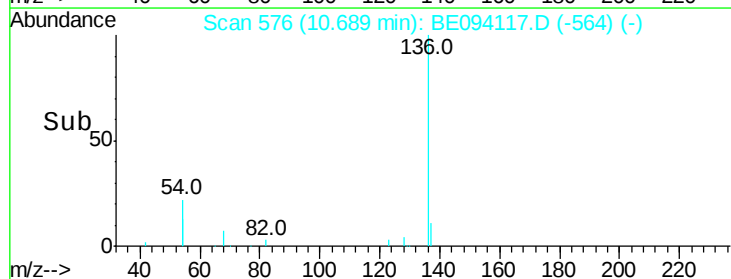
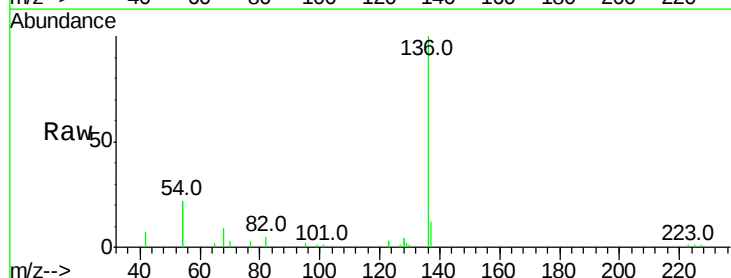
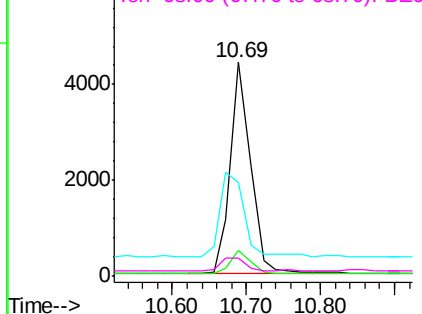
Delta R.T. -0.00 min

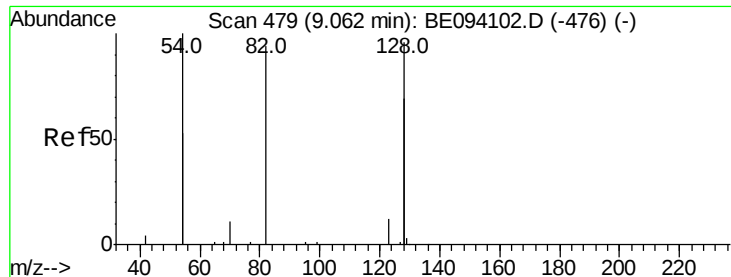
Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Tgt Ion:	136	Resp:	8390
Ion Ratio	Lower	Upper	
136	100		
137	12.1	9.5	14.3
54	43.8	29.1	43.7#
68	8.6	6.2	9.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.150 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Instrument :

BNA_E

ClientSampleID :

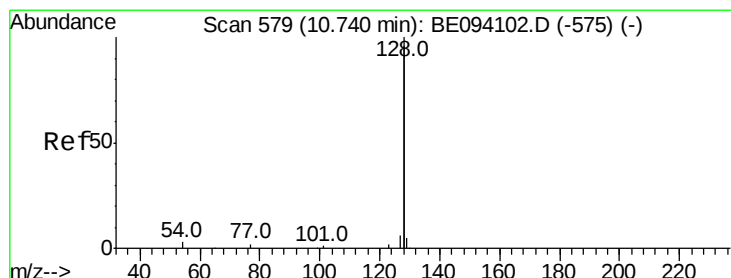
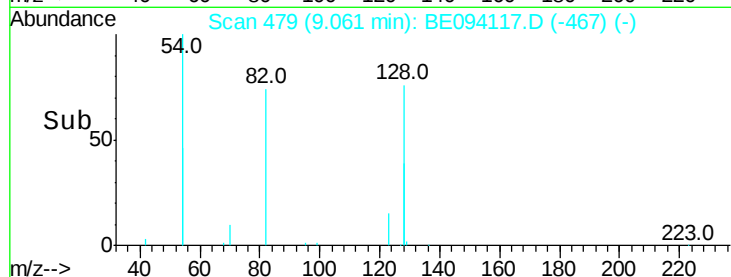
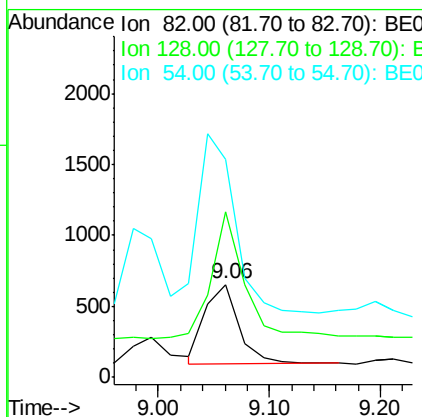
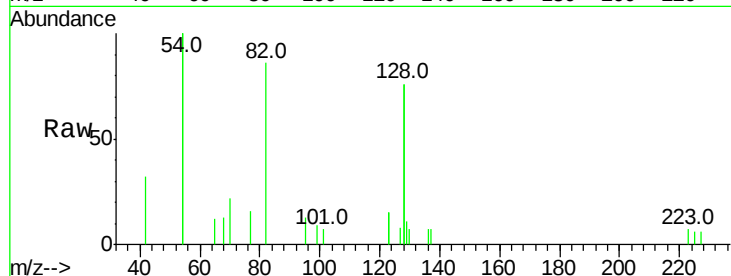
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Tot Ion:	82	Resp:	1216
Ion	Ratio	Lower	Upper
82	100		
128	177.7	150.0	225.0
54	233.8	154.2	231.4#

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#9

Naphthalene

Concen: 0.025 ng

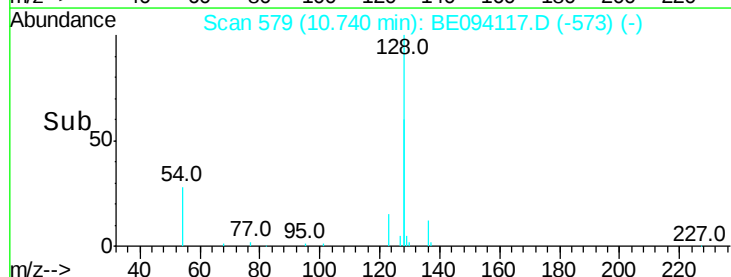
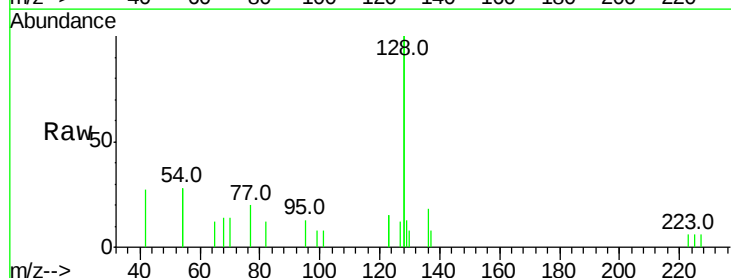
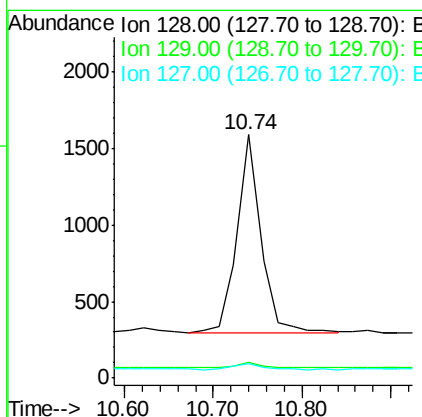
RT: 10.74 min Scan# 579

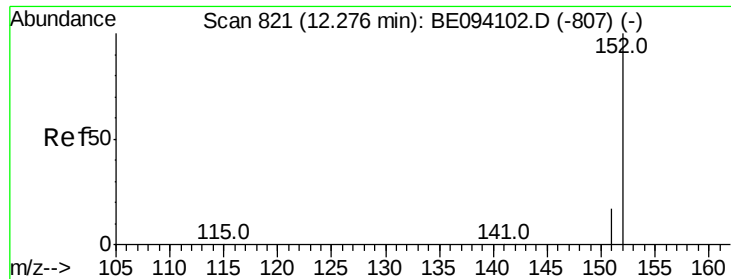
Delta R.T. -0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Tgt Ion:	128	Resp:	2415
Ion	Ratio	Lower	Upper
128	100		
129	6.6	2.6	3.8#
127	6.0	2.8	4.2#





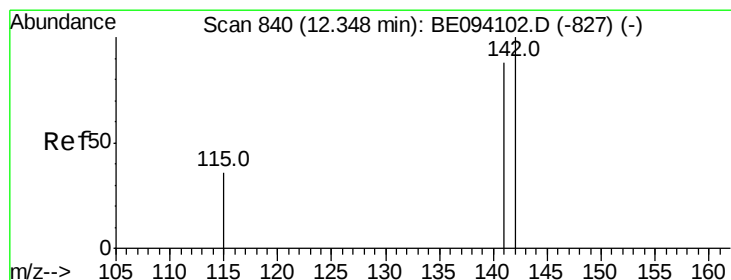
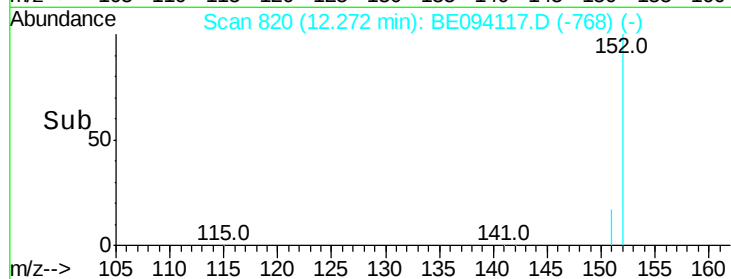
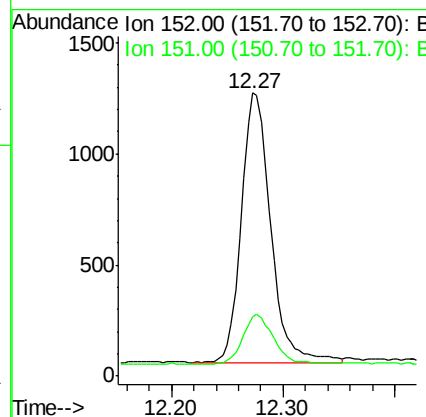
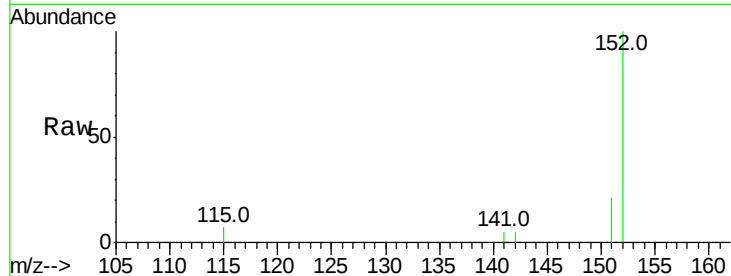
#11
2-Methylnaphthalene-d10
Concen: 0.172 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampleId :
LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

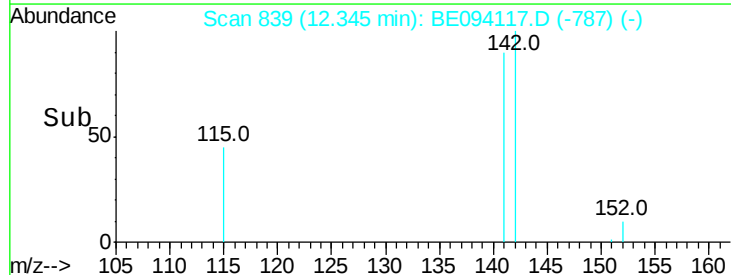
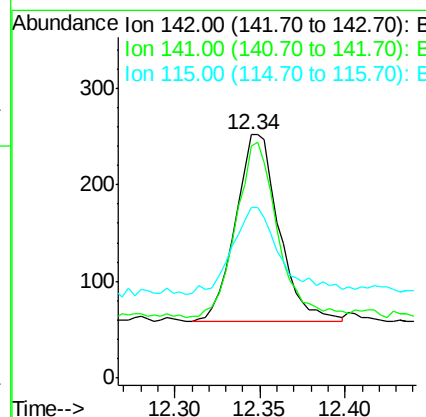
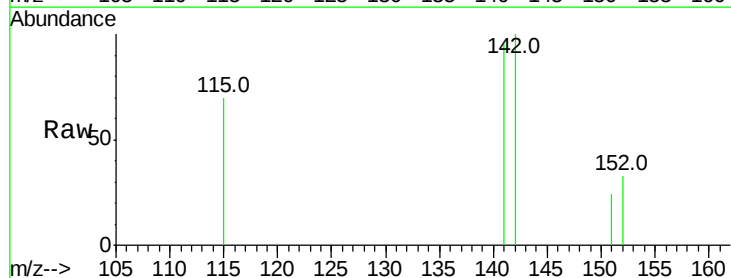
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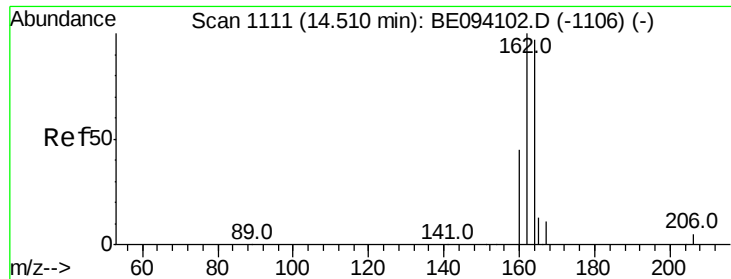
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#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 12.34 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.2	70.4	105.6
115	70.2	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: BE094117.D

Acq: 26 Sep 2017 00:16

Instrument :

BNA_E

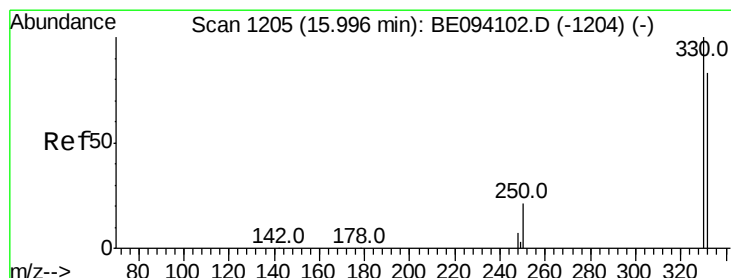
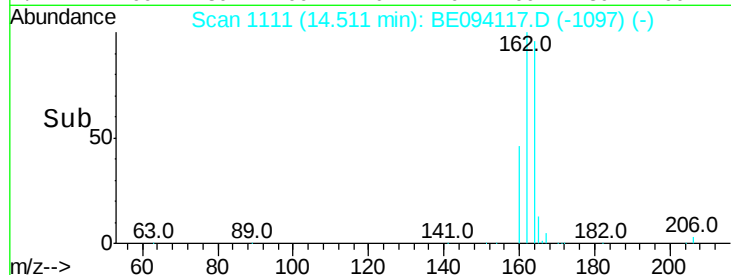
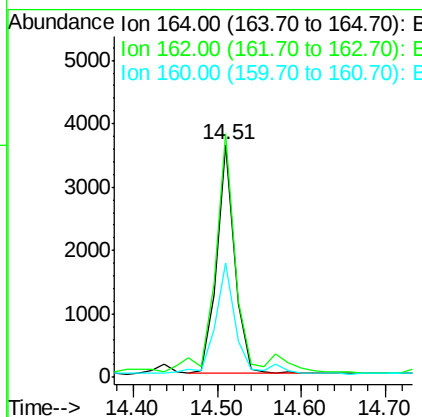
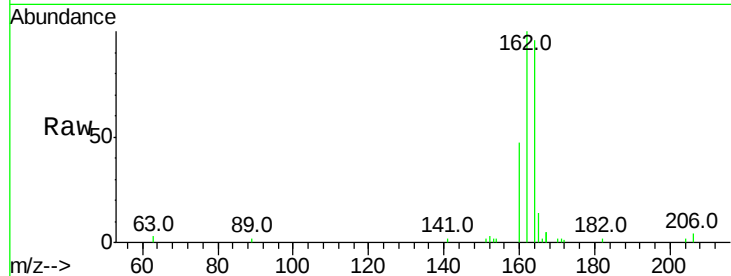
ClientSampleID :

LT-TS-002DL

Tot Ion:	164	Resp:	5439
Ion Ratio	Lower	Upper	
164	100		
162	104.6	83.1	124.7
160	49.1	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.114 ng

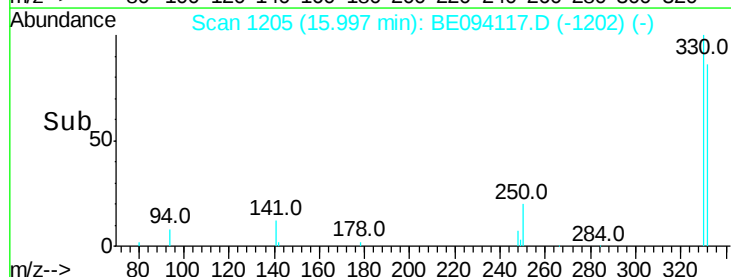
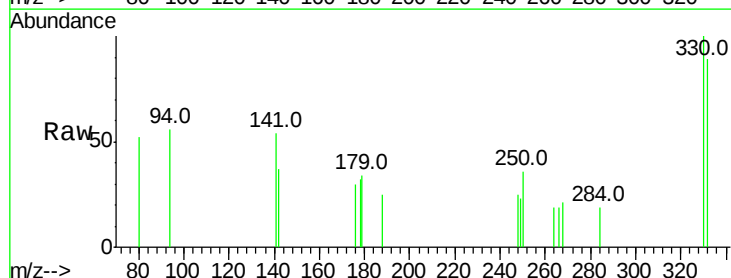
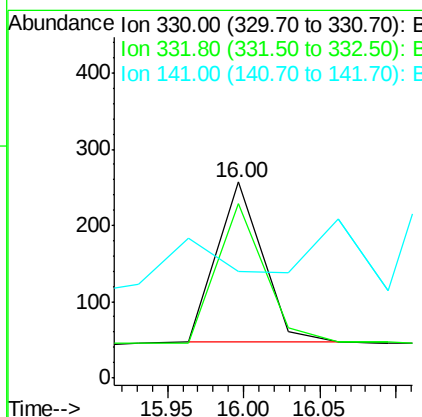
RT: 16.00 min Scan# 1205

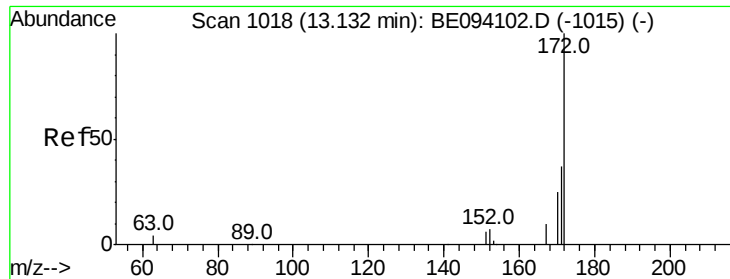
Delta R.T. 0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Tgt Ion:	330	Resp:	440
Ion Ratio	Lower	Upper	
330	100		
332	90.7	152.7	229.1#
141	0.0	33.7	50.5#





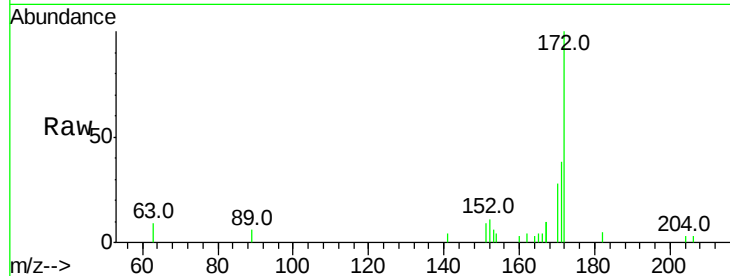
#15
2-Fluorobiphenyl
Concen: 0.163 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampleId :
LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.9	44.9
170	27.9	21.8	32.8

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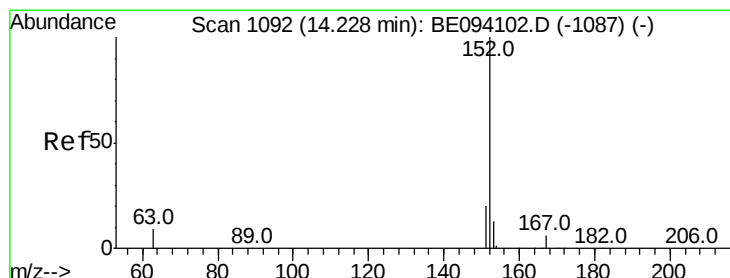
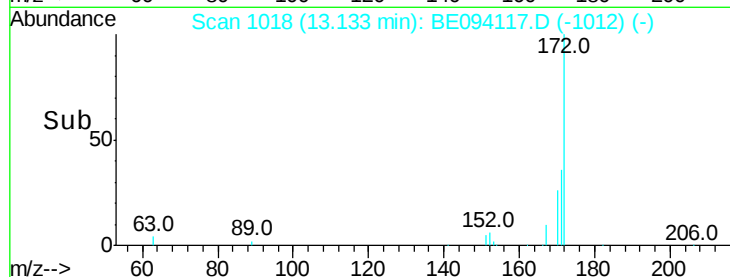
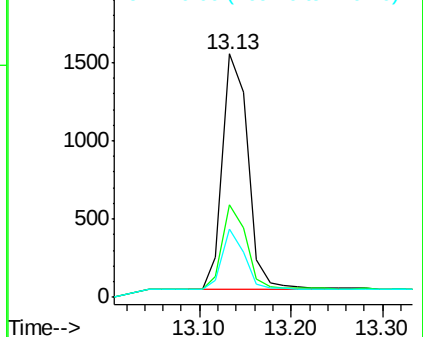


Abundance

Ion 172.00 (171.70 to 172.70): E

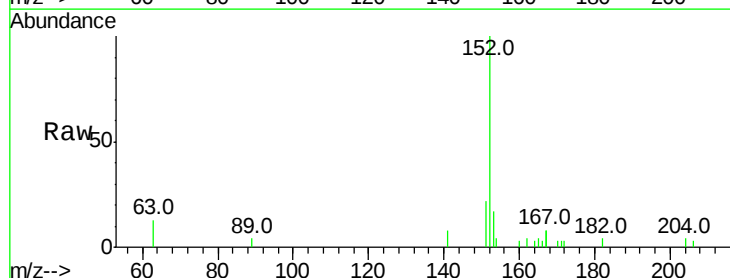
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.138 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.7	23.5
153	14.3	10.5	15.7

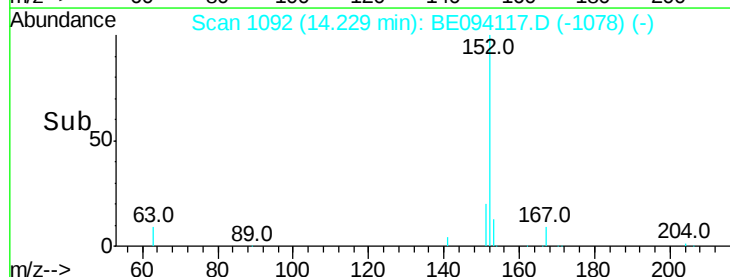
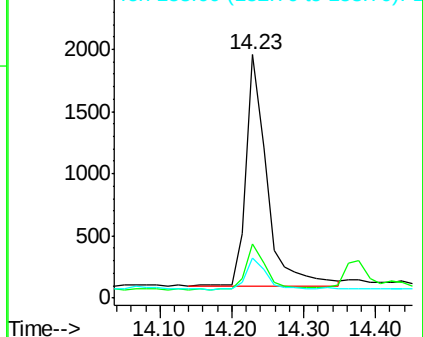


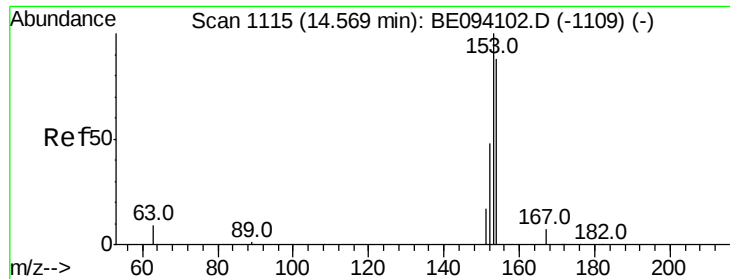
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





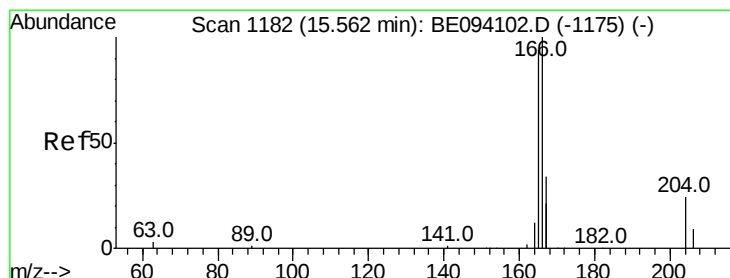
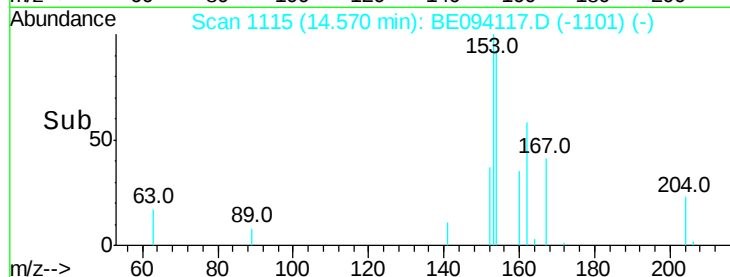
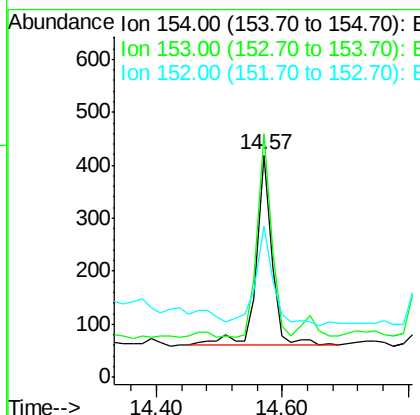
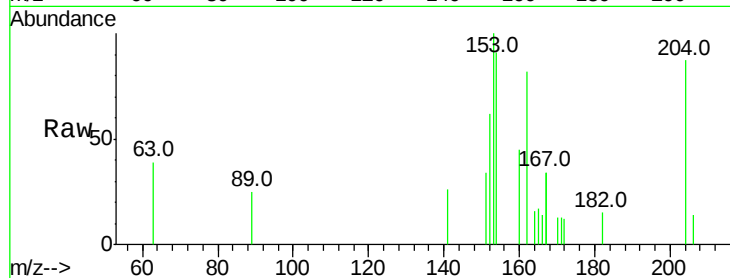
#17
Acenaphthene
Concen: 0.036 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampleId :
LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	97.1	89.2	133.8
152	59.1	42.0	63.0

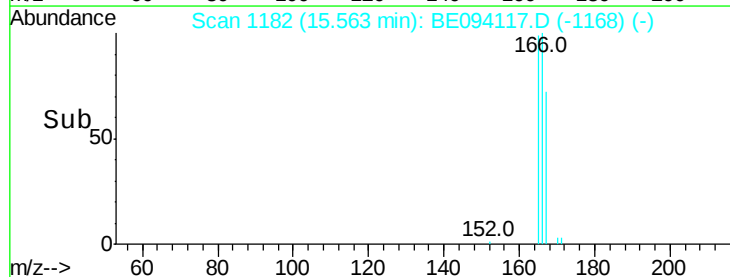
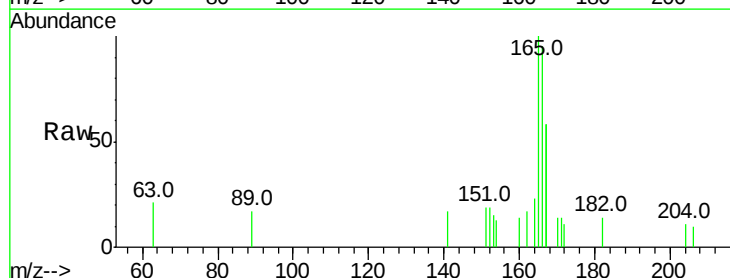
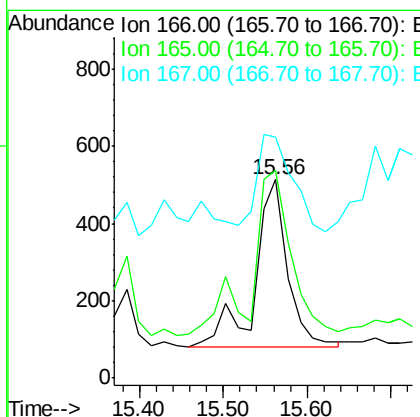
Manual Integrations
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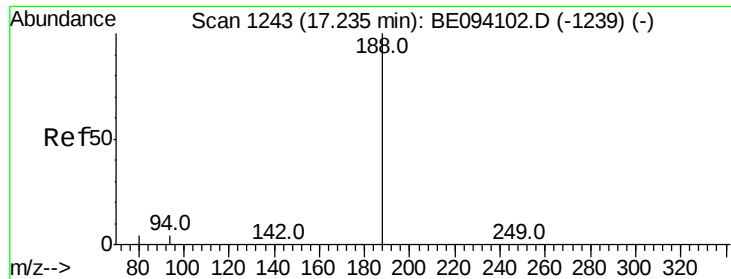
Sohil
9/26/2017 5:03:59 PM



#18
Fluorene
Concen: 0.050 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	120.9	77.8	116.6#
167	62.7	42.4	63.6





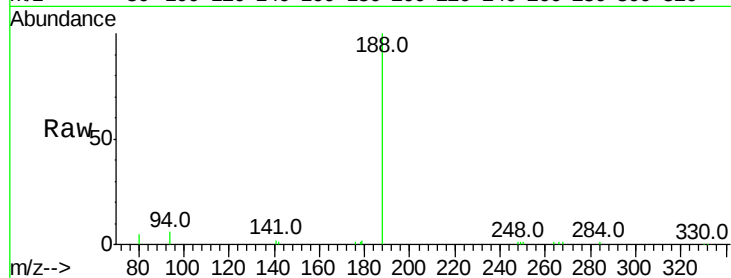
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampled :
LT-TS-002DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	6.1	3.9	5.9	
80	5.4	3.6	5.4	

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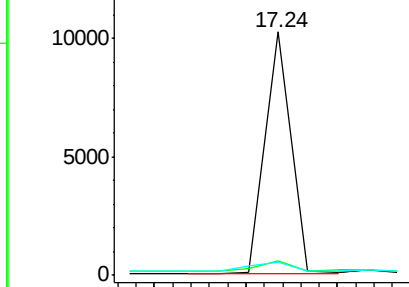
Sohil
9/26/2017 5:03:59 PM



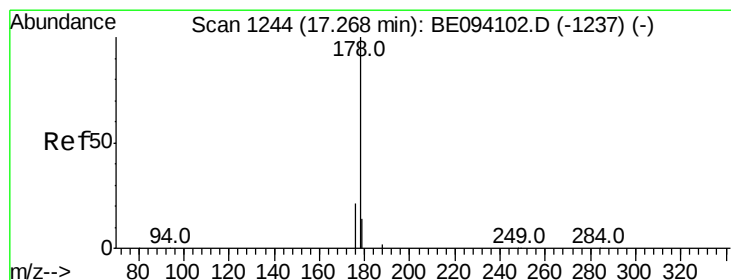
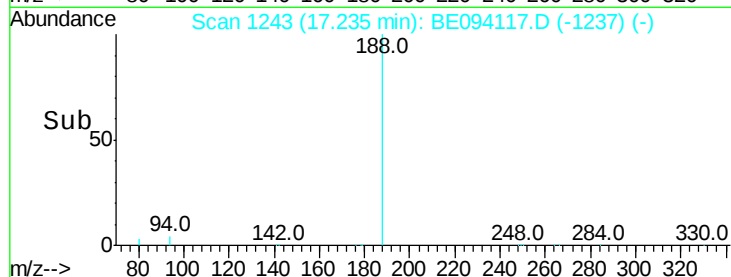
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



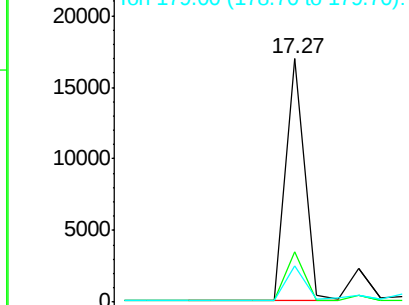
#23
Phenanthrene
Concen: 0.656 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.9	15.1	22.7	
179	15.3	11.8	17.6	

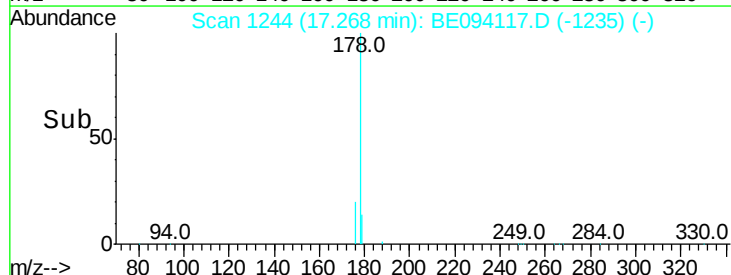
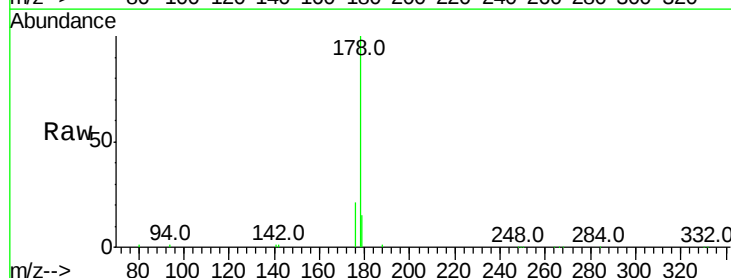
Abundance Ion 178.00 (177.70 to 178.70): E

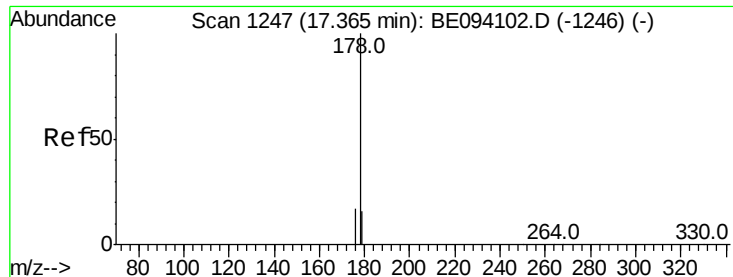
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#24

Anthracene

Concen: 0.093 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Instrument :

BNA_E

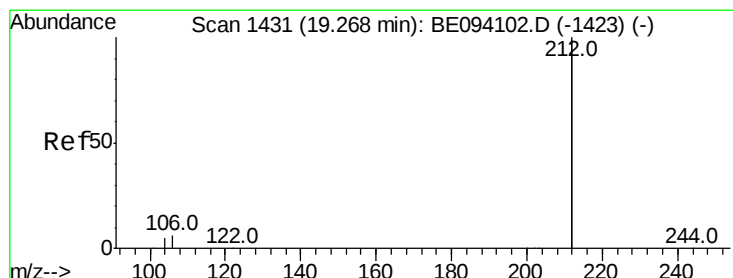
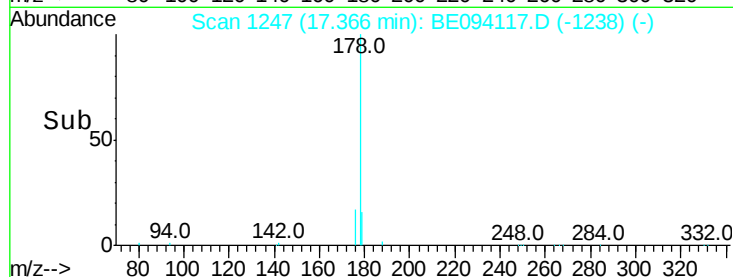
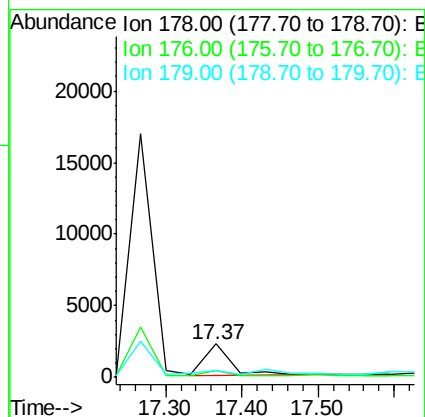
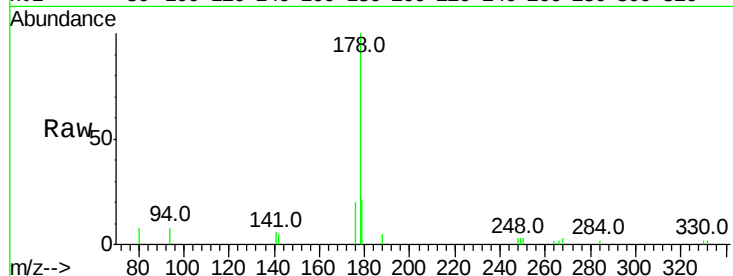
ClientSampleId :

LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.0	12.8	19.2
179	11.7	13.0	19.6#

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#25

Fluoranthene-d10

Concen: 0.135 ng

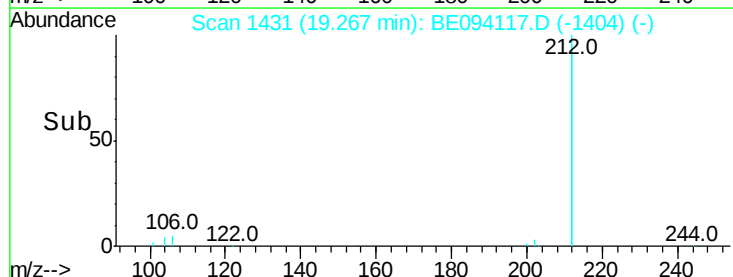
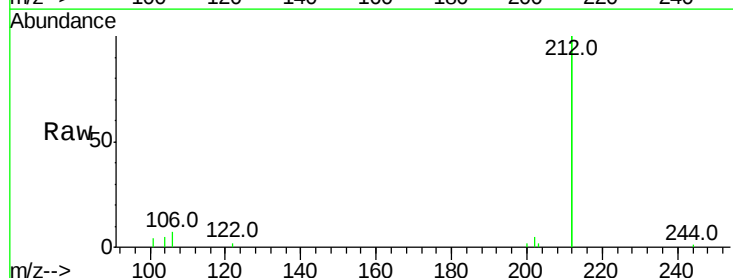
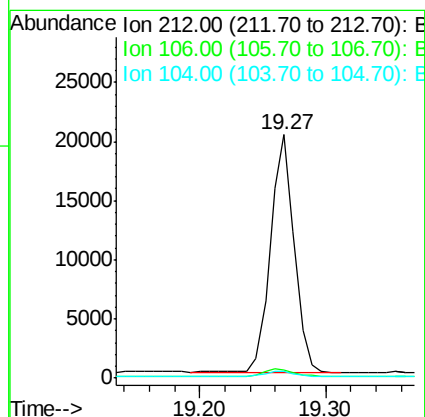
RT: 19.27 min Scan# 1431

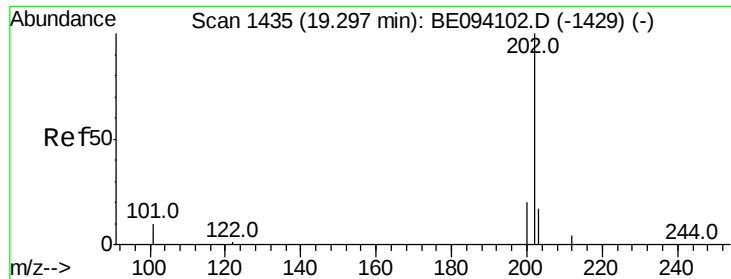
Delta R.T. -0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.9	1.6	2.4#





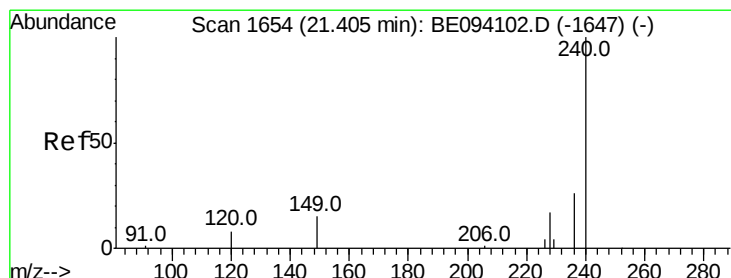
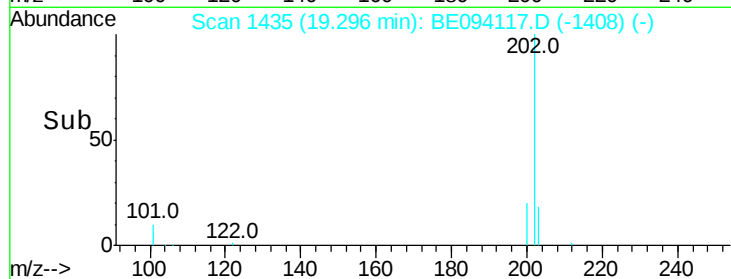
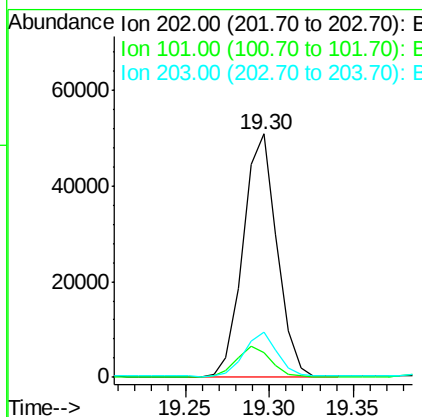
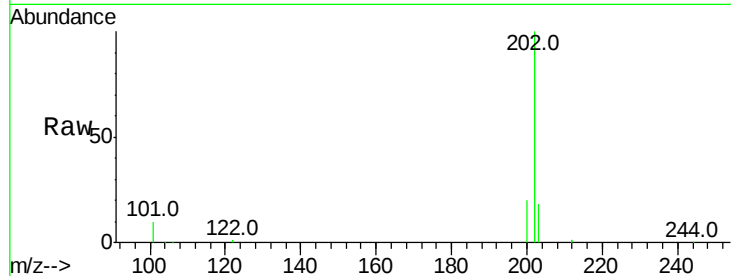
#26
 Fluoranthene
 Concen: 1.212 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094117.D
 Acq: 26 Sep 2017 00:16

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
203	17.4	13.7	20.5

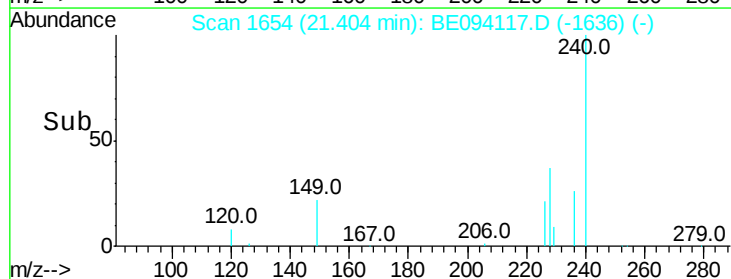
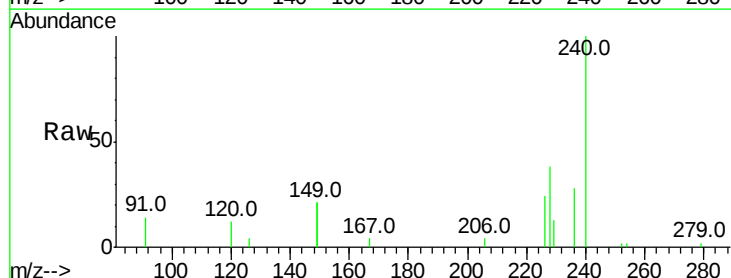
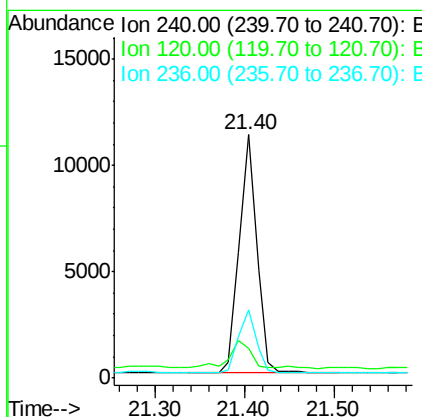
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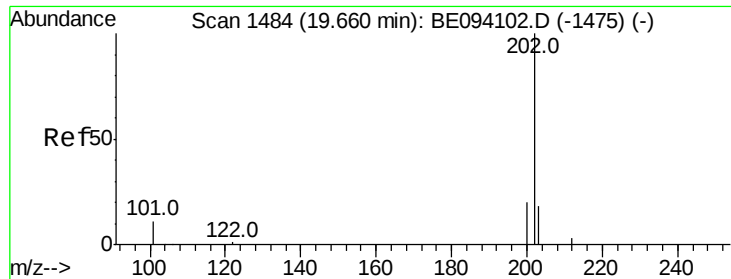
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094117.D
 Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	5.5	8.3#
236	27.9	20.7	31.1





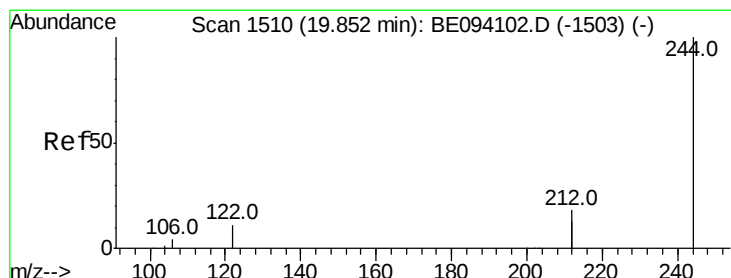
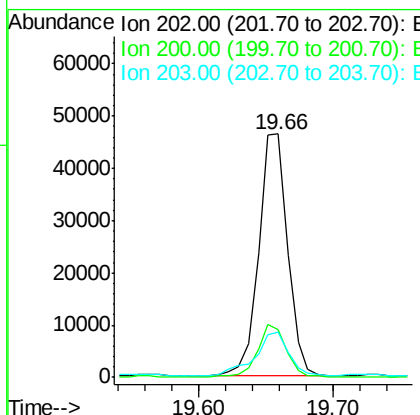
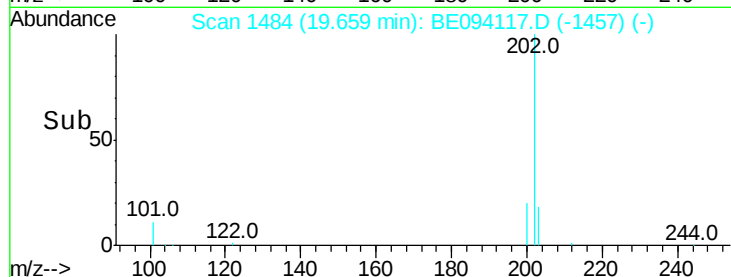
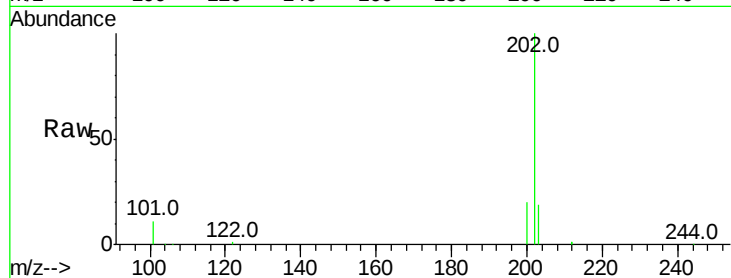
#28
Pvrene
Concen: 1.418 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampleId :
LT-TS-002DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	69669		
200	20.9	16.6	25.0	
203	21.2	13.8	20.8	

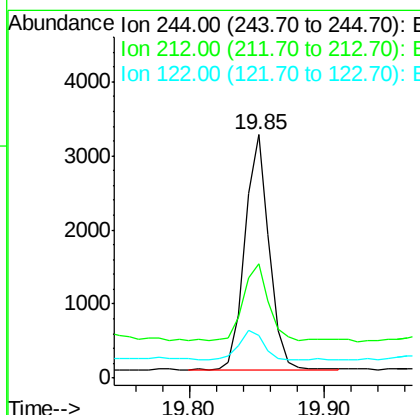
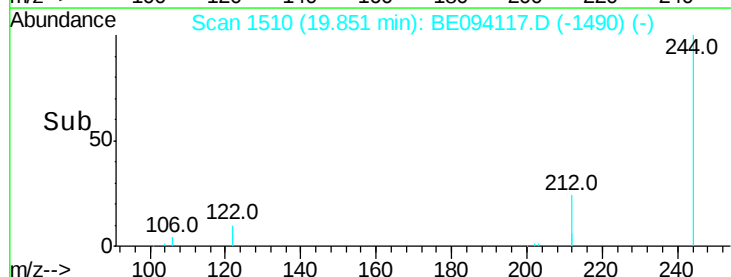
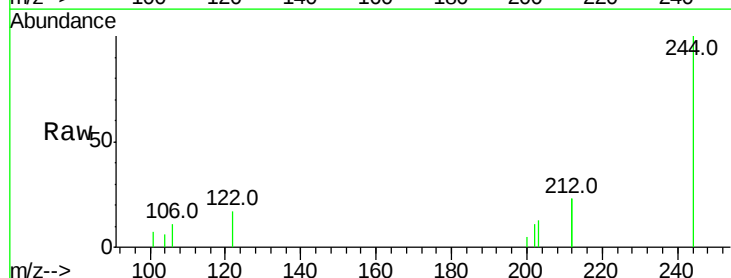
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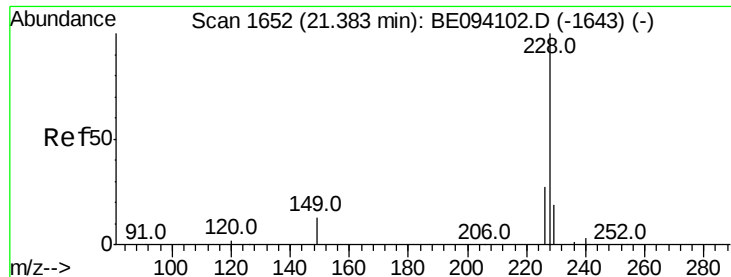
Sohil
9/26/2017 5:03:59 PM



#29
Terphenyl-d14
Concen: 0.140 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3948		
212	46.8	25.4	38.0	
122	17.4	8.1	12.1	





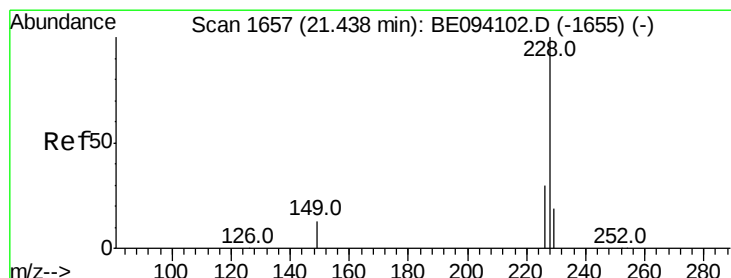
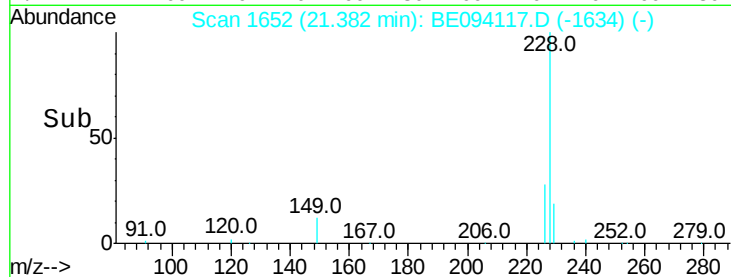
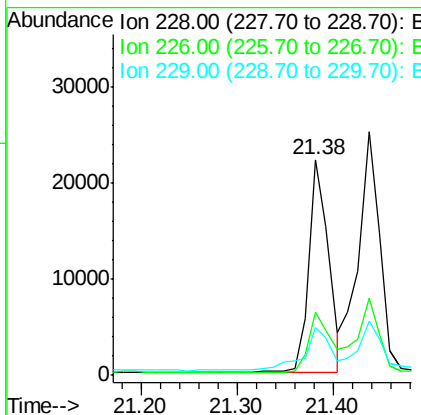
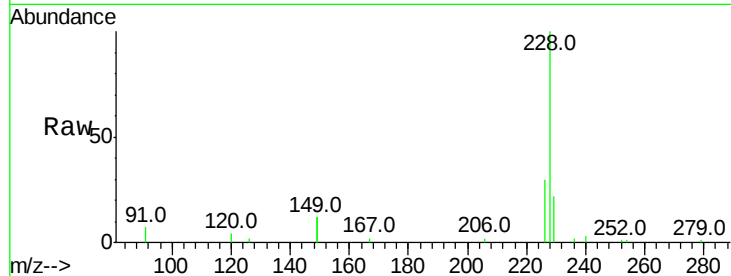
#30
Benzo(a)anthracene
Concen: 0.617 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampleId :
LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.4	32.0
229	21.9	16.4	24.6

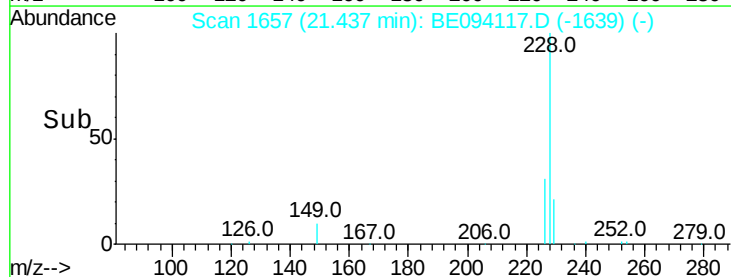
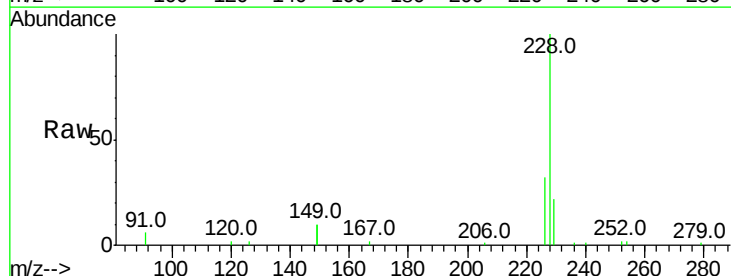
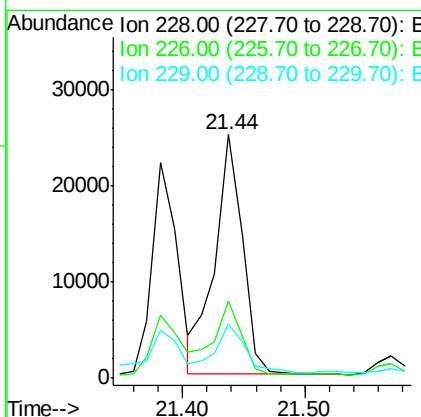
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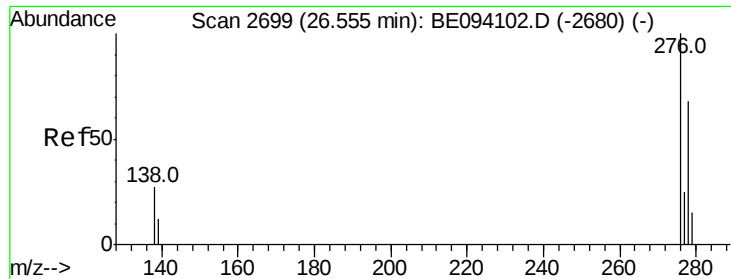
Sohil
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#31
Chrysene
Concen: 0.774 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.6	35.4
229	22.4	16.4	24.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.407 ng

RT: 26.55 min Scan# 2698

Delta R.T. -0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Instrument :

BNA_E

ClientSampleId :

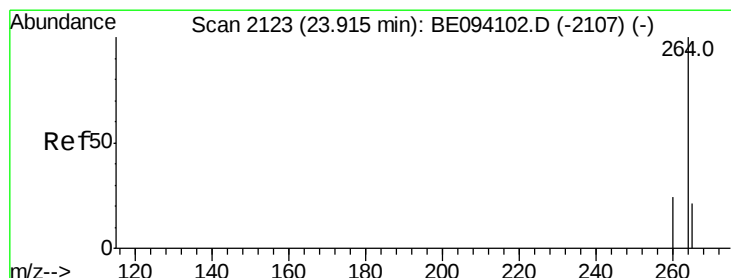
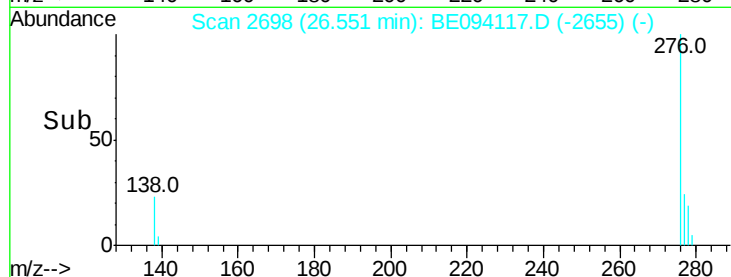
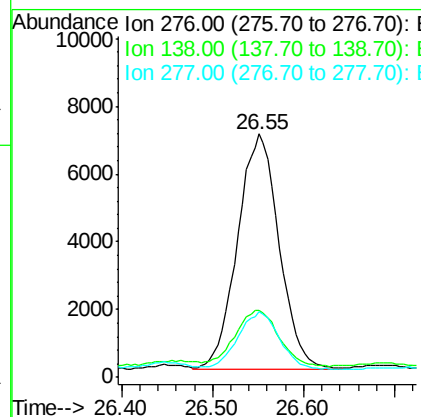
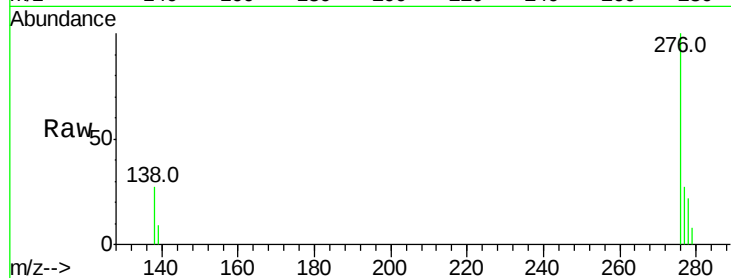
LT-TS-002DL

Tot Ion:	276	Resp:	21953
Ion Ratio	Lower	Upper	
276	100		
138	25.0	22.5	33.7
277	24.8	19.9	29.9

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#34

Perylene-d12

Concen: 0.400 ng

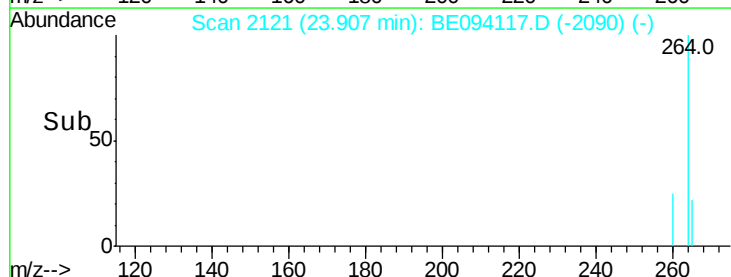
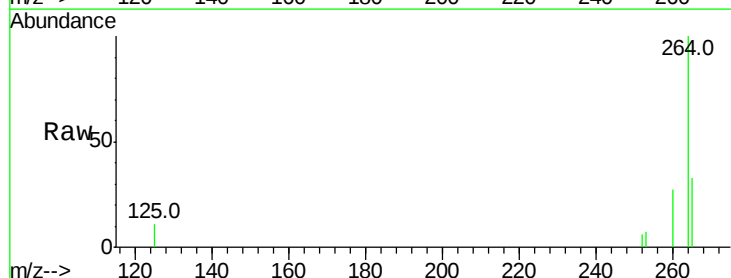
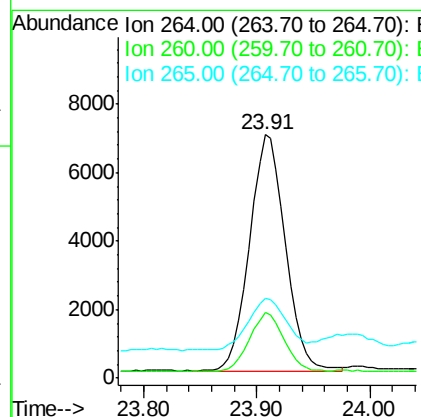
RT: 23.91 min Scan# 2121

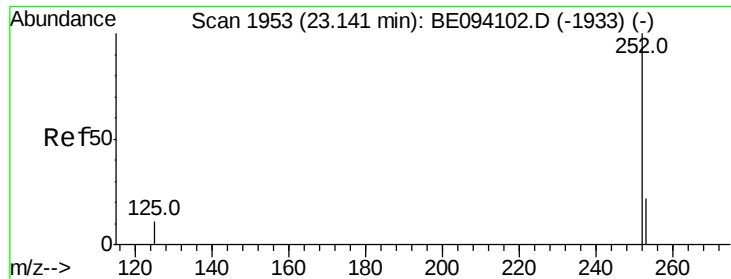
Delta R.T. -0.01 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Tgt Ion:	264	Resp:	14875
Ion Ratio	Lower	Upper	
264	100		
260	26.9	20.5	30.7
265	33.0	22.8	34.2





#35

Benzo(b)fluoranthene

Concen: 0.884 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Instrument :

BNA_E

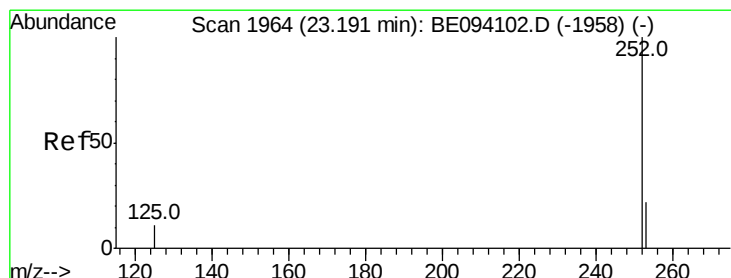
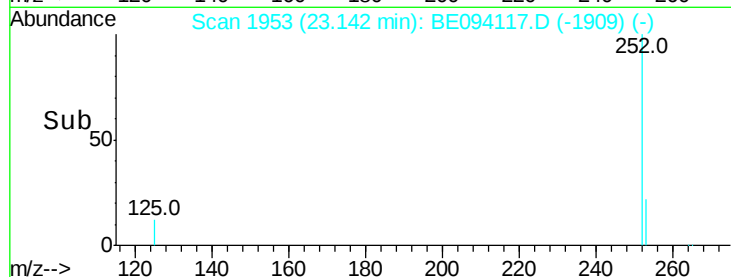
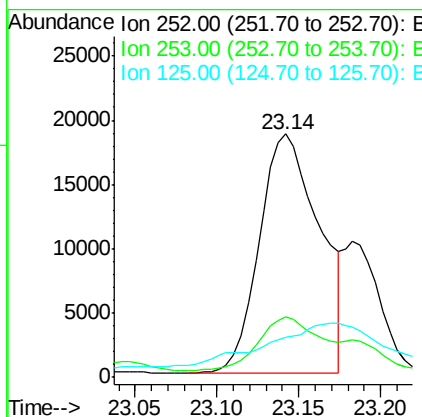
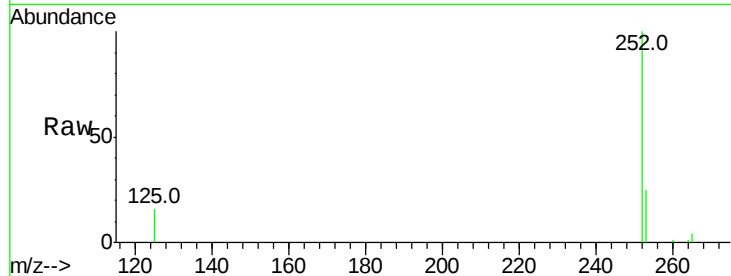
ClientSampleID :

LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	16.4	10.1	15.1#

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#36

Benzo(k)fluoranthene

Concen: 0.310 ng m

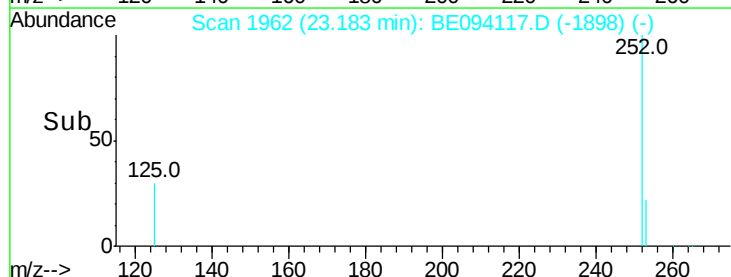
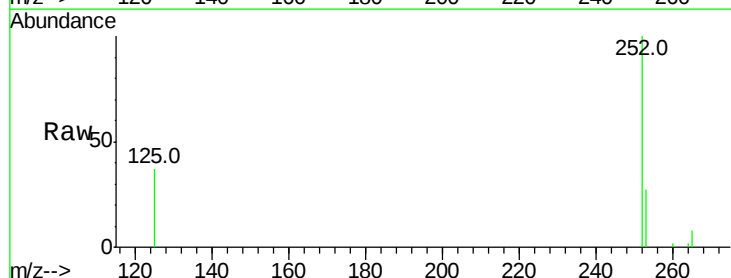
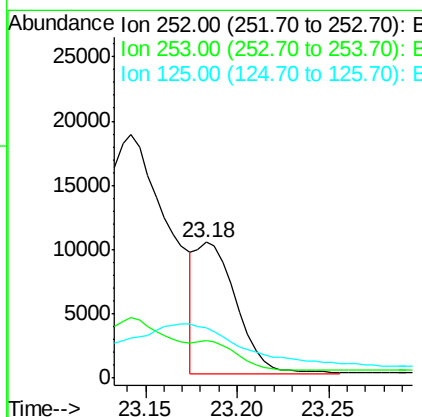
RT: 23.18 min Scan# 1962

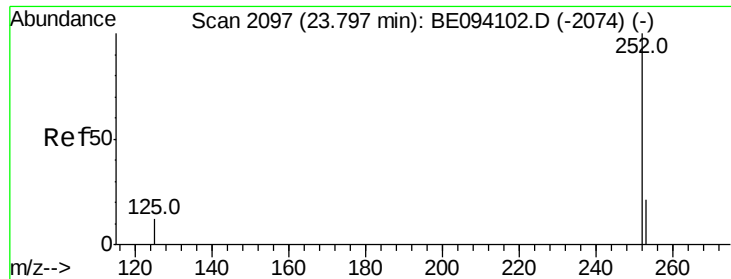
Delta R.T. -0.01 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.6	27.8
125	37.0	10.7	16.1#





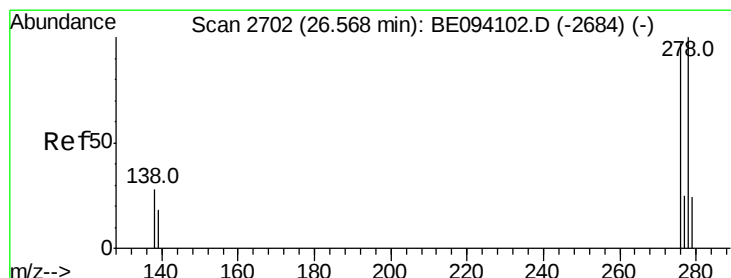
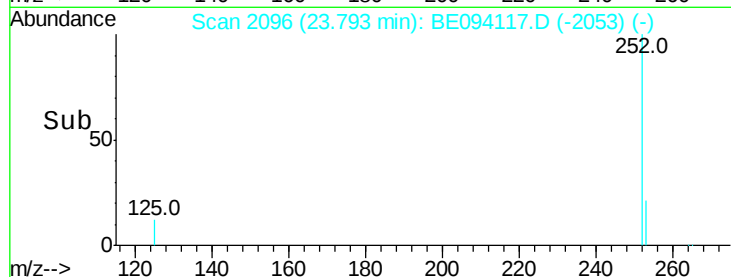
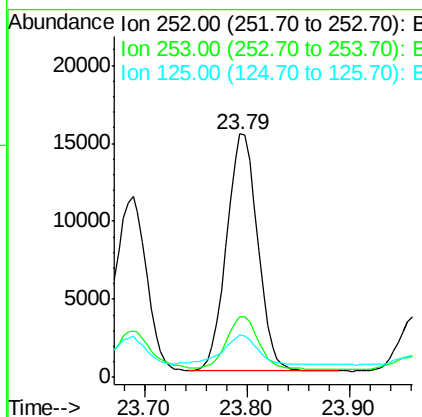
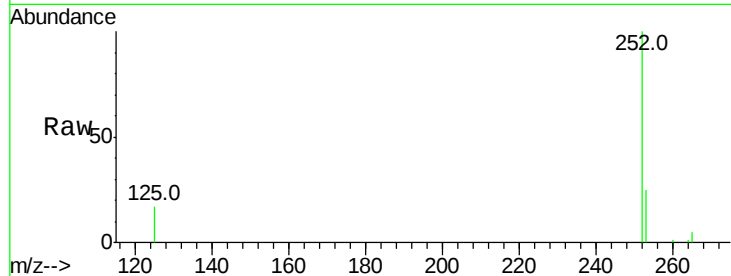
#37
Benzo(a)pyrene
Concen: 0.661 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Instrument :
BNA_E
ClientSampleId :
LT-TS-002DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.0	28.6
125	17.3	11.8	17.8

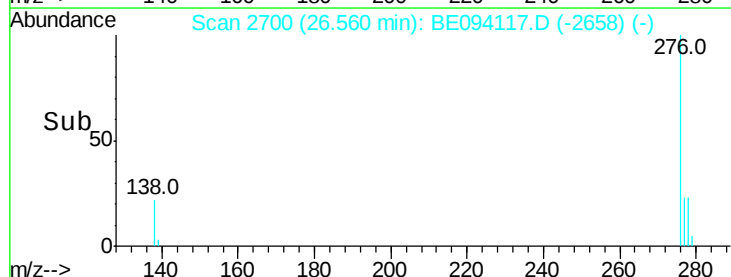
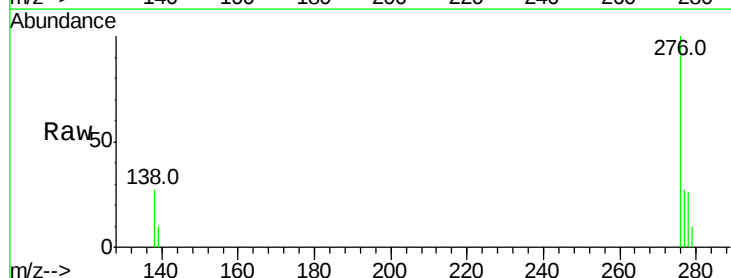
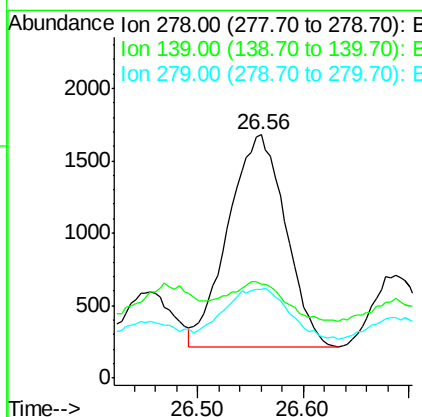
Manual Integrations
APPROVED

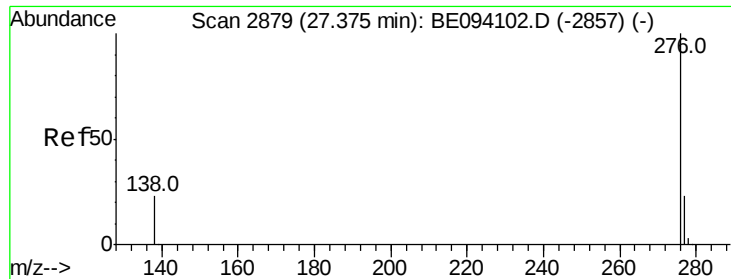
Sohil
9/26/2017 5:03:59 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.120 ng
RT: 26.56 min Scan# 2700
Delta R.T. -0.01 min
Lab File: BE094117.D
Acq: 26 Sep 2017 00:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	38.3	16.3	24.5#
279	36.5	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.498 ng

RT: 27.37 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BE094117.D

Acq: 26 Sep 2017 00:16

Instrument :

BNA_E

ClientSampleId :

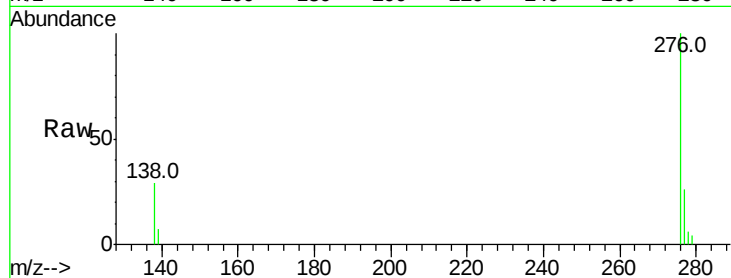
LT-TS-002DL

Tot Ion:	276	Resp:	22633
Ion Ratio	Lower	Upper	
276	100		
277	26.1	20.8	31.2
138	28.9	21.5	32.3

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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

