

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094091.D
 Acq On : 23 Sep 2017 23:13
 Operator : SJ/JU
 Sample : I5340-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-008

Manual Integrations
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Quant Time: Sep 25 13:30:22 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	7.90	152	2167	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	12743	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	8088	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	27080	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15931	0.40	ng	0.00
34) Perylene-d12	23.91	264	14795	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	2536	0.12	ng	0.00
5) Phenol-d6	7.09	99	3365	0.26	ng	0.00
8) Nitrobenzene-d5	9.06	82	2791	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	3941	0.18	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	771	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	5368	0.20	ng	0.00
25) Fluoranthene-d10	19.27	212	34326	0.10	ng	0.00
29) Terphenyl-d14	19.85	244	4816	0.19	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	4285	0.026	ng	# 95
12) 2-Methylnaphthalene	12.35	142	669	0.026	ng	# 87
16) Acenaphthylene	14.23	152	5436	0.134	ng	99
17) Acenaphthene	14.57	154	901	0.033	ng	93
18) Fluorene	15.56	166	2098	0.052	ng	89
23) Phenanthrene	17.27	178	59663	0.615	ng	98
24) Anthracene	17.37	178	7698	0.103	ng	# 94
26) Fluoranthene	19.30	202	105012	1.009	ng	99
28) Pyrene	19.66	202	99195	2.250	ng	# 96
30) Benzo(a)anthracene	21.38	228	40264	0.755	ng	96
31) Chrysene	21.44	228	49951	0.955	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	29902	0.209	ng	97
33) Indeno(1,2,3-cd)pyrene	26.55	276	29869	0.739	ng	97
35) Benzo(b)fluoranthene	23.14	252	63341	1.183	ng	96
36) Benzo(k)fluoranthene	23.18	252	21086m	0.392	ng	
37) Benzo(a)pyrene	23.79	252	42659	0.887	ng	98
38) Dibenzo(a,h)anthracene	26.56	278	7407	0.192	ng	# 74
39) Benzo(a,h,i)perylene	27.37	276	30885	0.803	ng	99

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

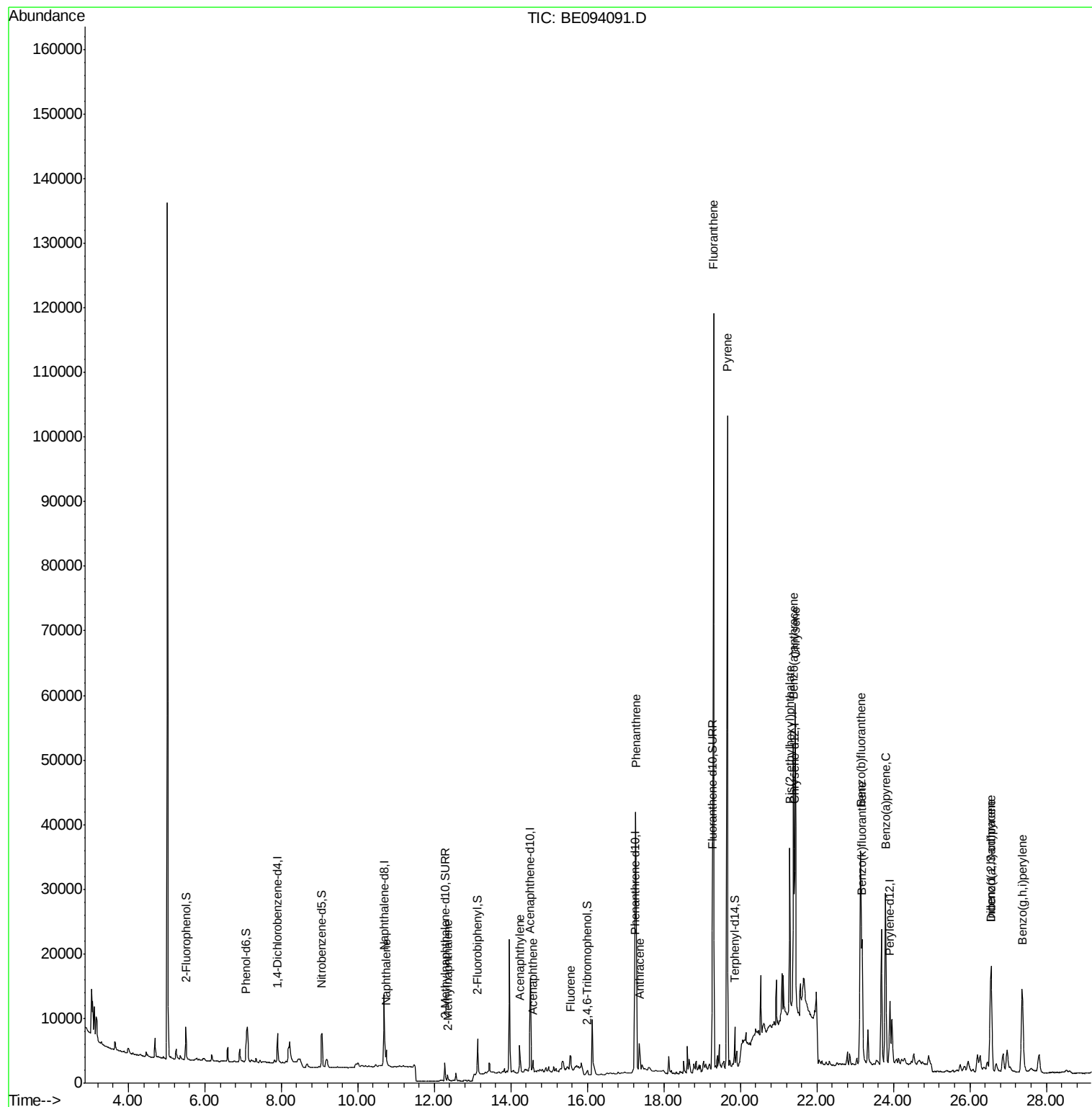
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
Data File : BE094091.D
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ALS Vial : 18 Sample Multiplier: 1

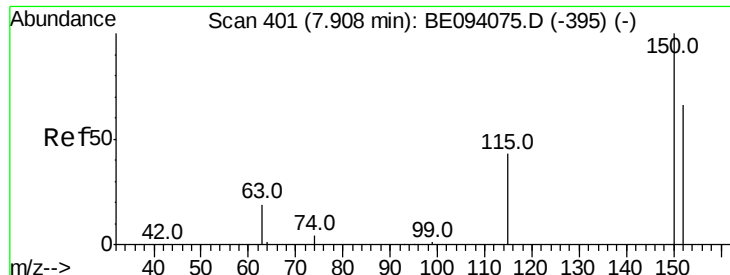
Instrument :
BNA_E
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Instrument :

BNA_E

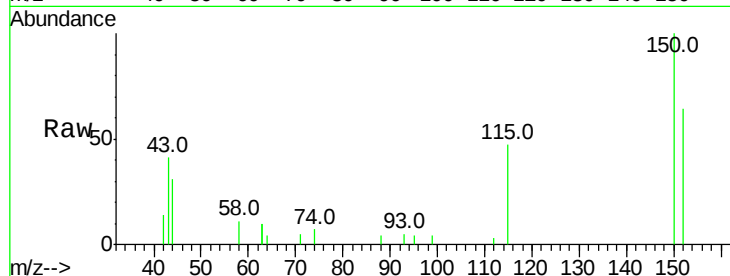
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	117.2	175.8
115	72.9	57.0	85.6

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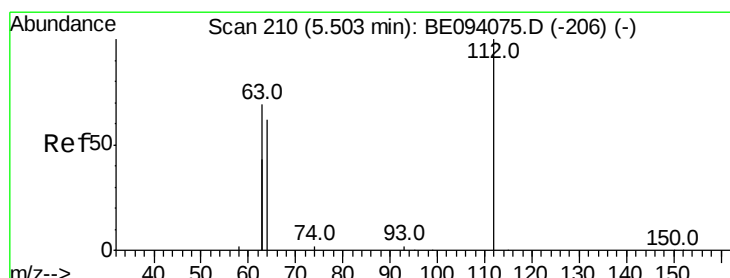
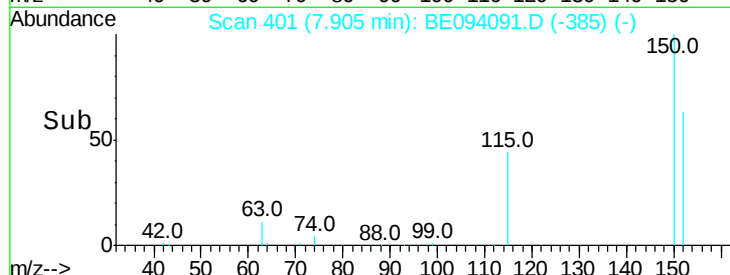
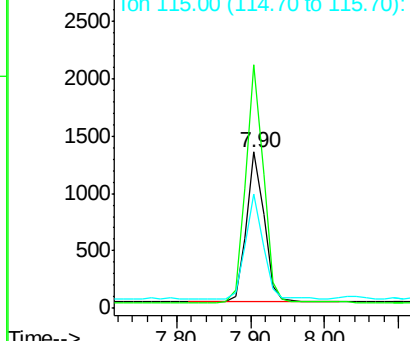


Abundance

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: 0.120 ng

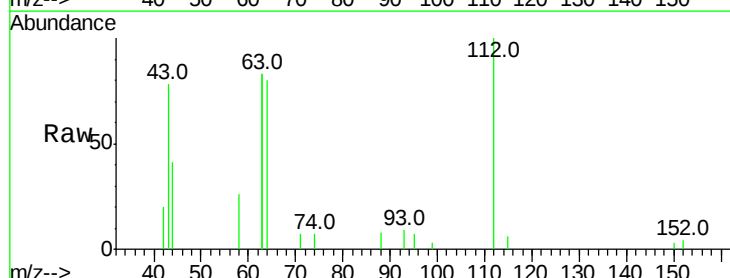
RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	60.1	90.1
63	149.8	116.8	175.2

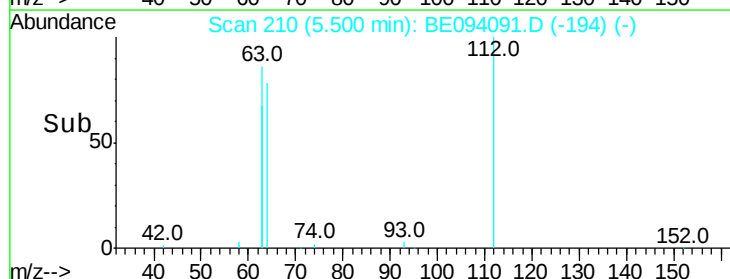
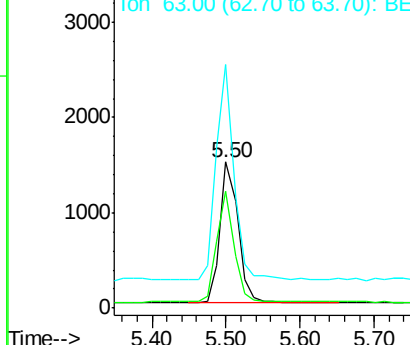


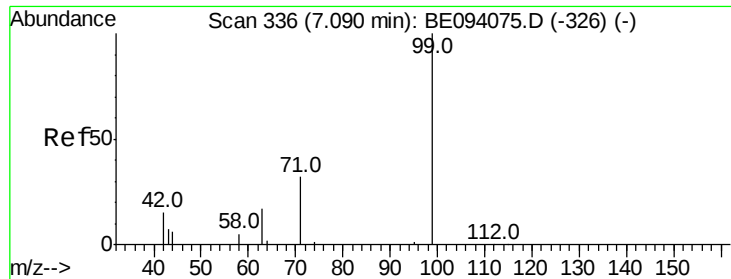
Abundance

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: 0.263 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Instrument :

BNA_E

ClientSampleId :

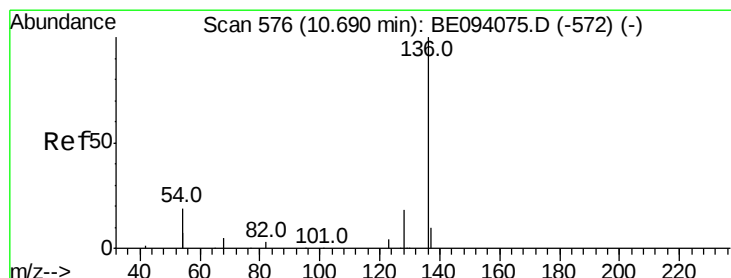
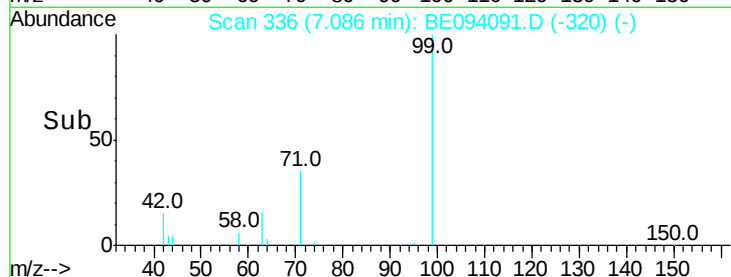
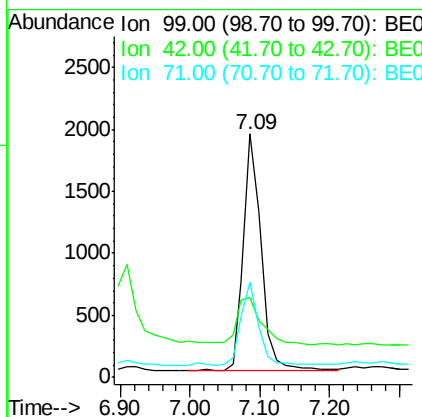
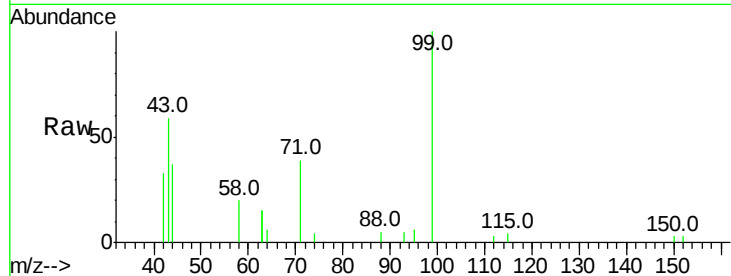
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Tot Ion:	99	Resp:	3365
Ion	Ratio	Lower	Upper
99	100		
42	28.1	20.2	30.2
71	35.9	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

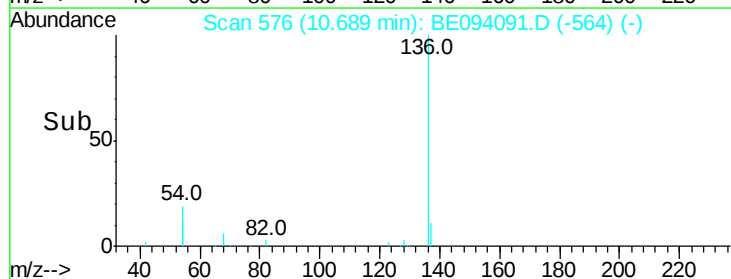
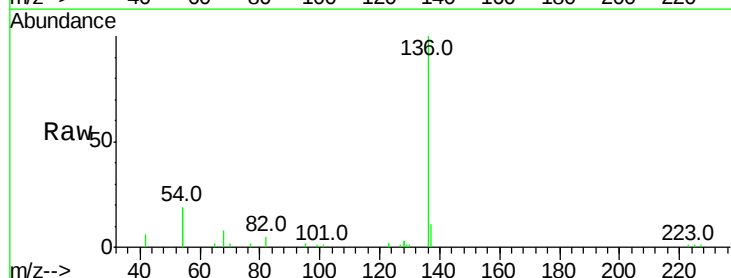
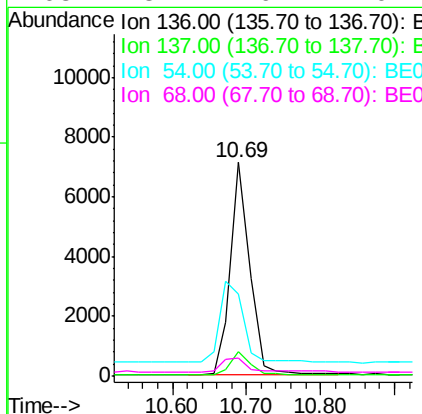
RT: 10.69 min Scan# 576

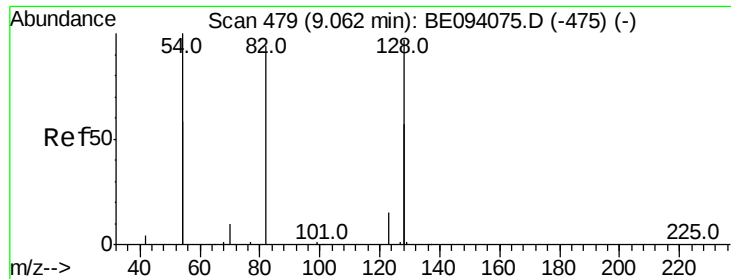
Delta R.T. -0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Tgt Ion:	136	Resp:	12743
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	38.3	29.1	43.7
68	8.1	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.246 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Instrument :

BNA_E

ClientSampled :

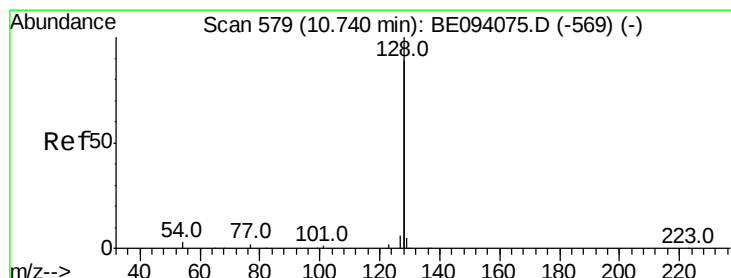
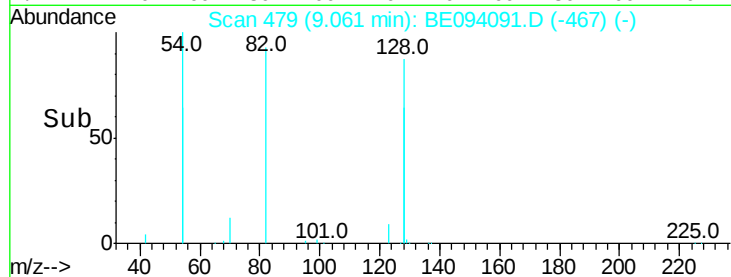
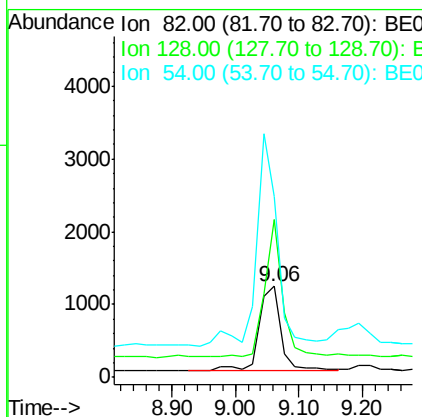
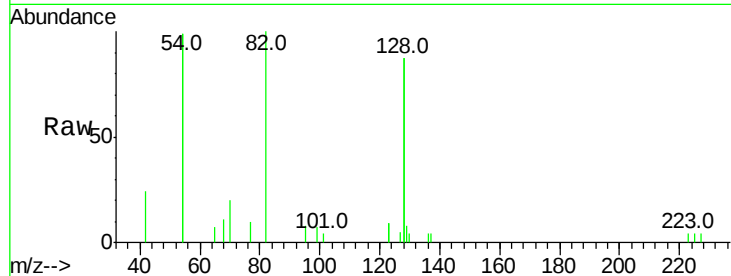
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Tot Ion:	82	Resp:	2791
Ion	Ratio	Lower	Upper
82	100		
128	173.0	150.0	225.0
54	197.9	154.2	231.4

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#9

Naphthalene

Concen: 0.026 ng

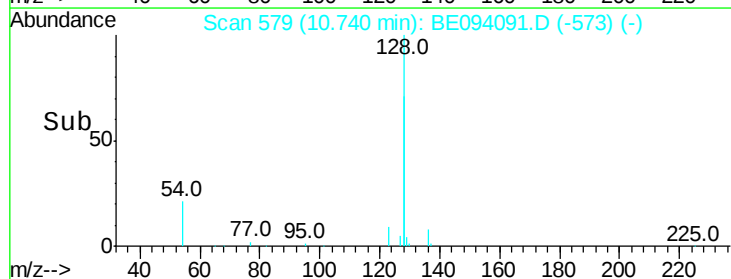
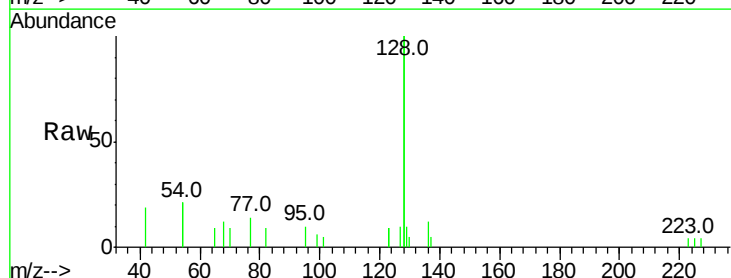
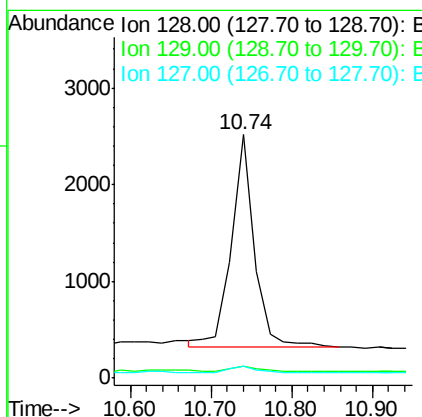
RT: 10.74 min Scan# 579

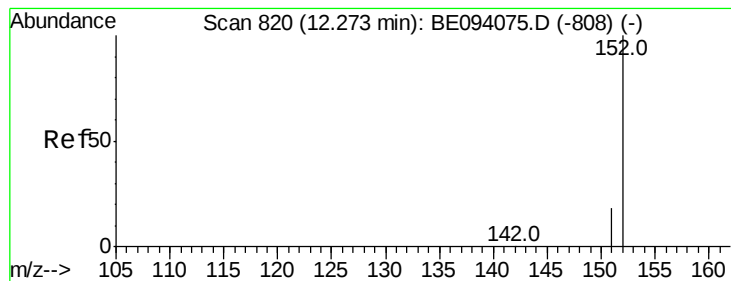
Delta R.T. -0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Tgt Ion:	128	Resp:	4285
Ion	Ratio	Lower	Upper
128	100		
129	5.1	2.6	3.8#
127	5.0	2.8	4.2#





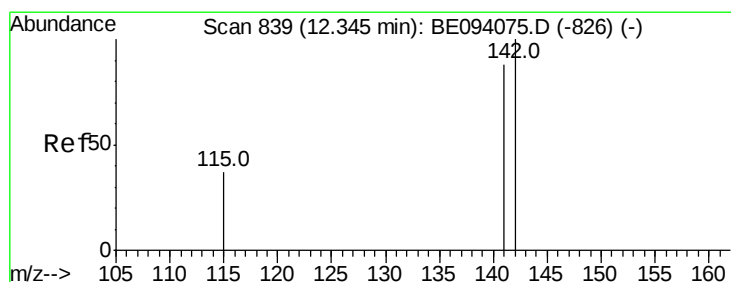
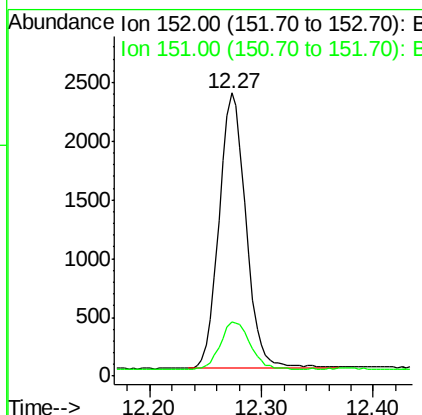
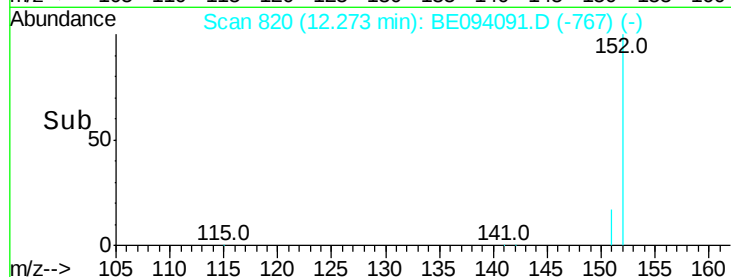
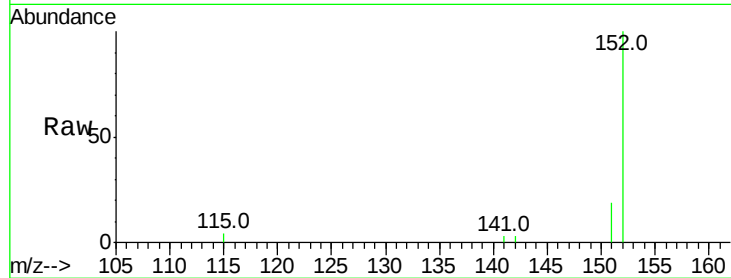
#11
 2-Methylnaphthalene-d10
 Concen: 0.183 ng
 RT: 12.27 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE094091.D
 Acq: 23 Sep 2017 23:13

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-008

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.0

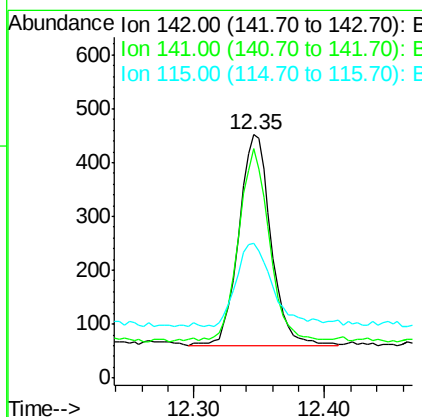
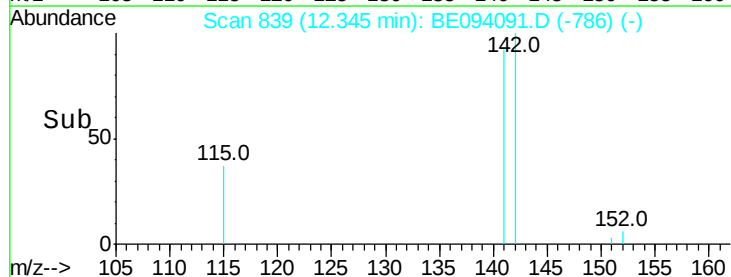
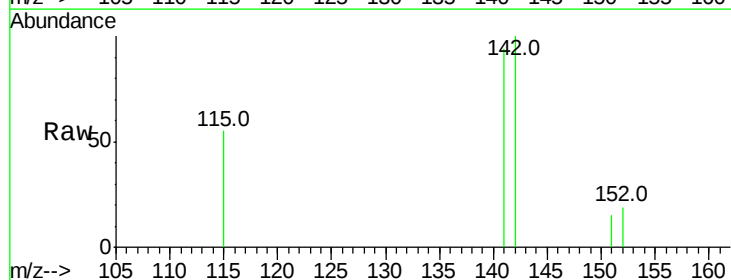
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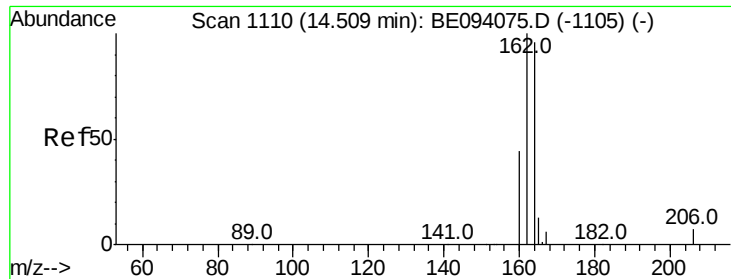
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#12
 2-Methylnaphthalene
 Concen: 0.026 ng
 RT: 12.35 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BE094091.D
 Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	70.4	105.6
115	55.1	31.7	47.5#





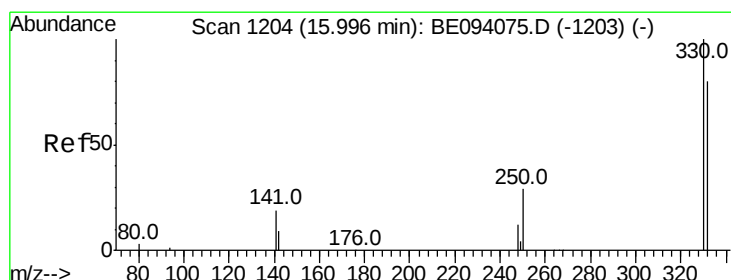
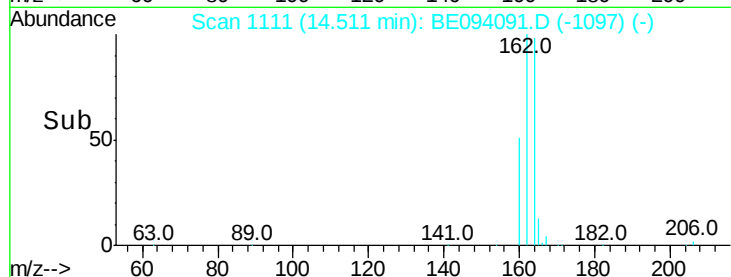
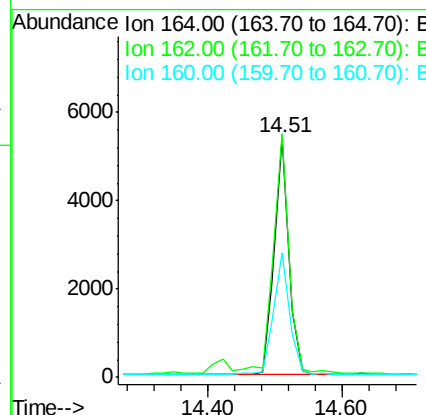
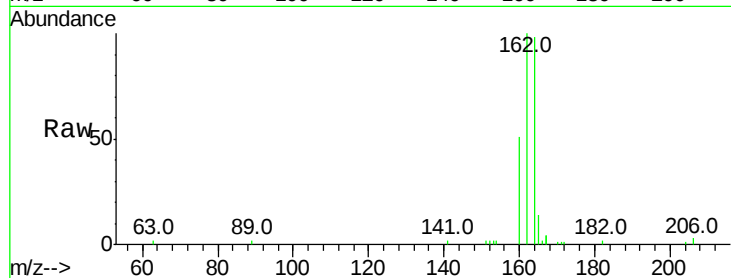
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094091.D
 Acq: 23 Sep 2017 23:13

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-008

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	83.1	124.7
160	52.1	37.1	55.7

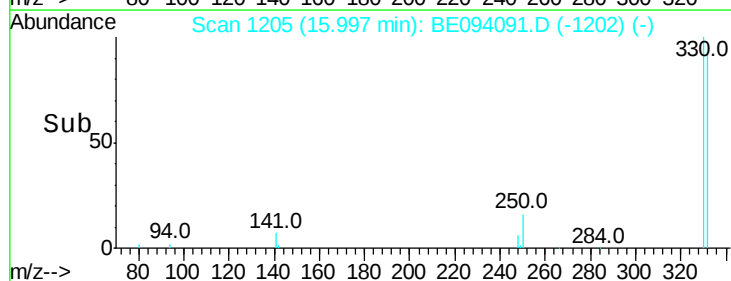
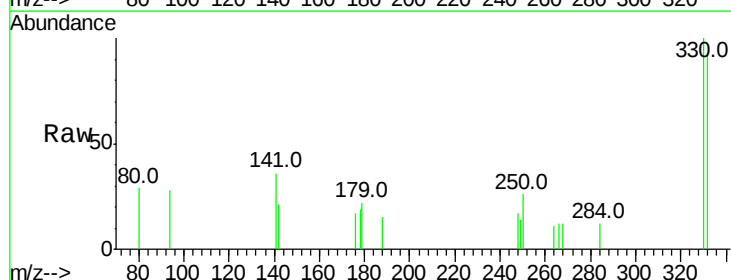
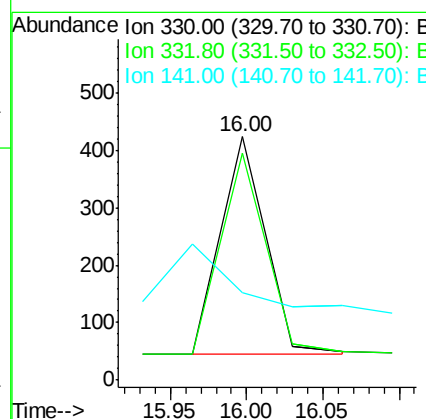
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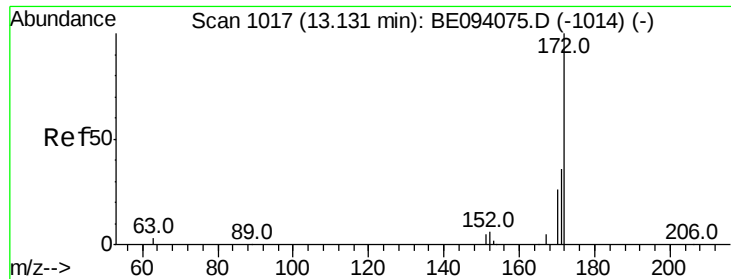
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#14
 2,4,6-Tribromophenol
 Concen: 0.126 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094091.D
 Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	152.7	229.1#
141	0.0	33.7	50.5#





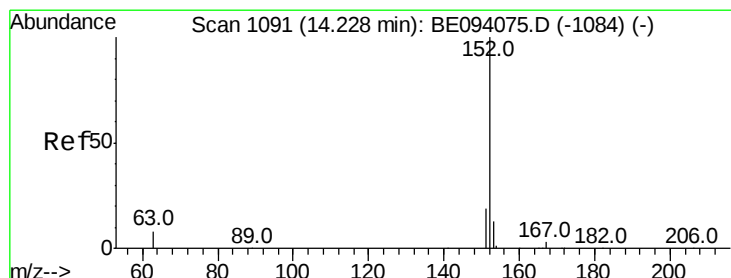
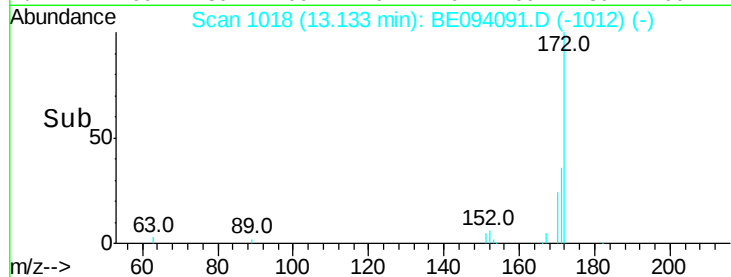
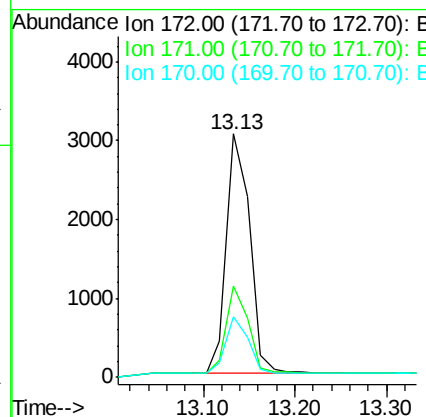
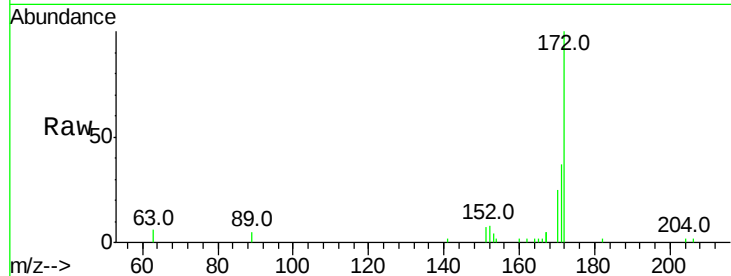
#15
2-Fluorobiphenyl
Concen: 0.202 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	25.0	21.8	32.8

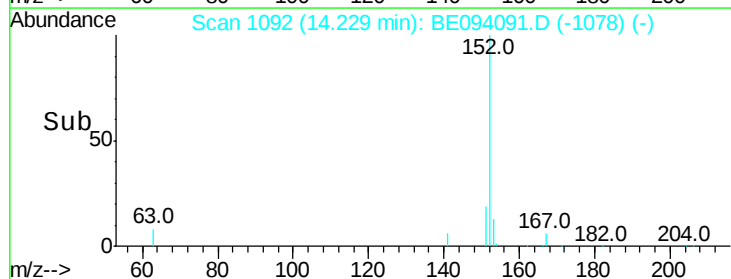
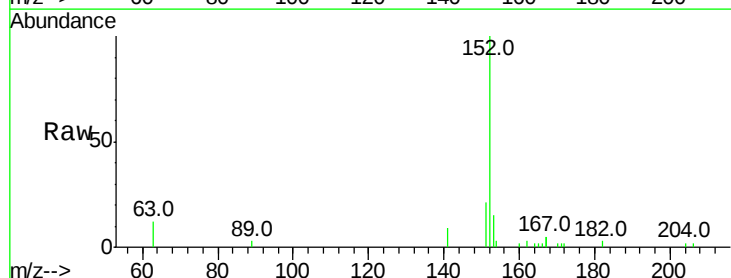
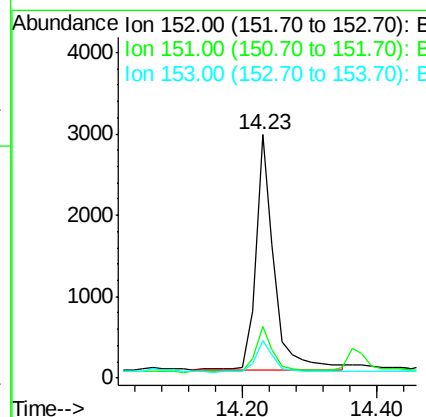
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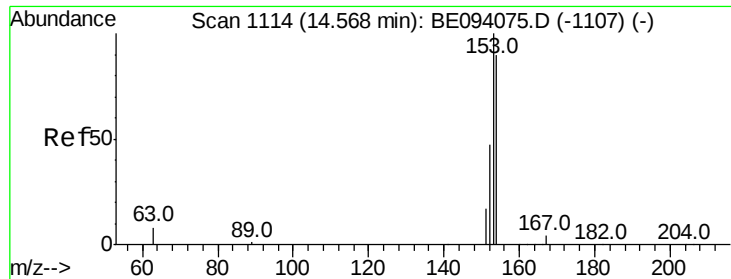
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#16
Acenaphthylene
Concen: 0.134 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.3	10.5	15.7





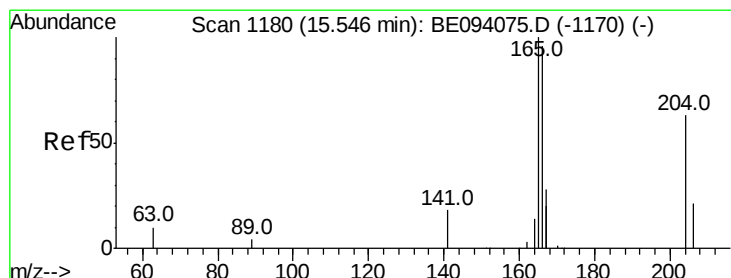
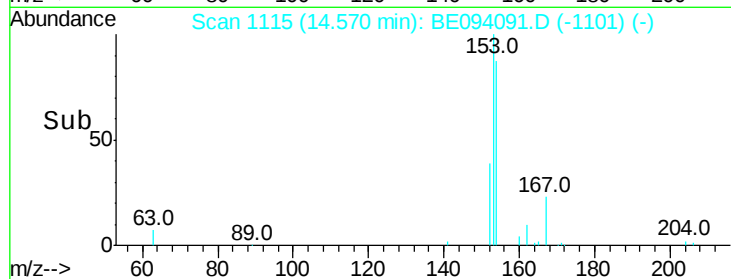
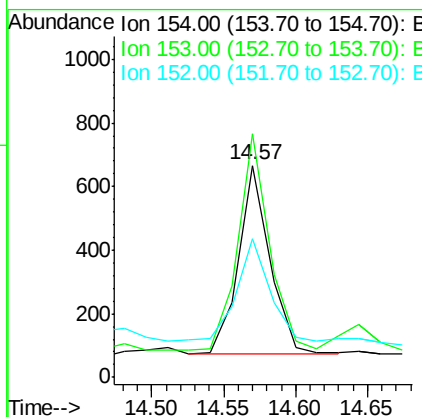
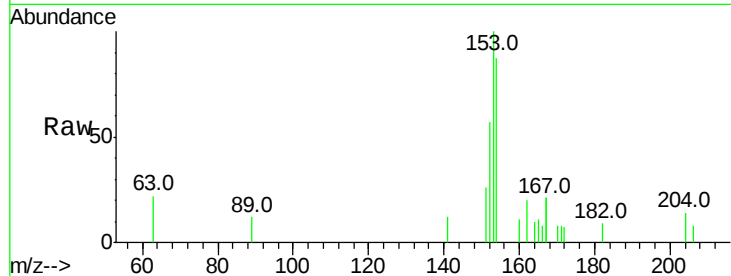
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Acenaphthene
Concen: 0.033 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampled :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.9	89.2	133.8
152	58.2	42.0	63.0

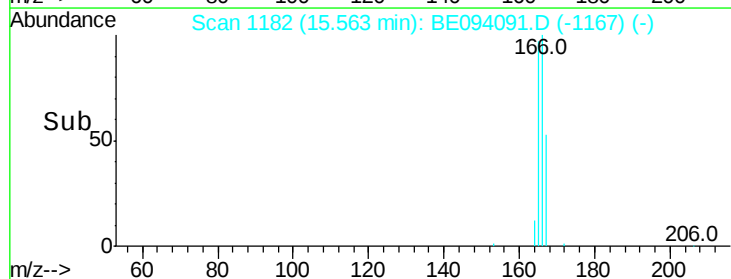
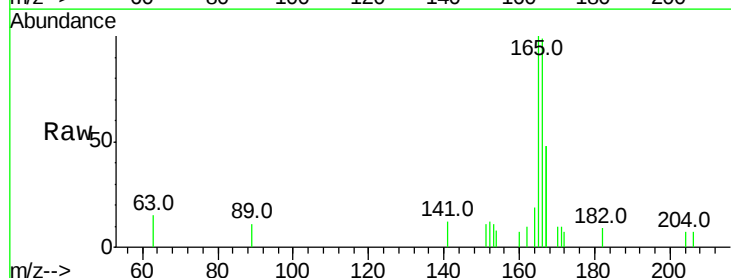
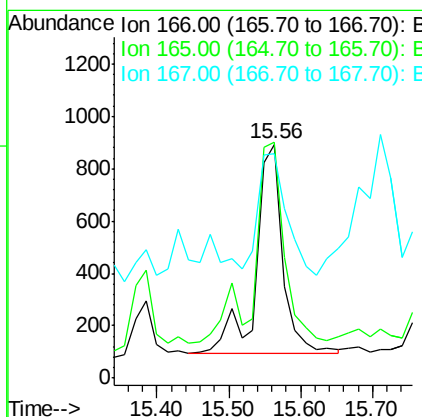
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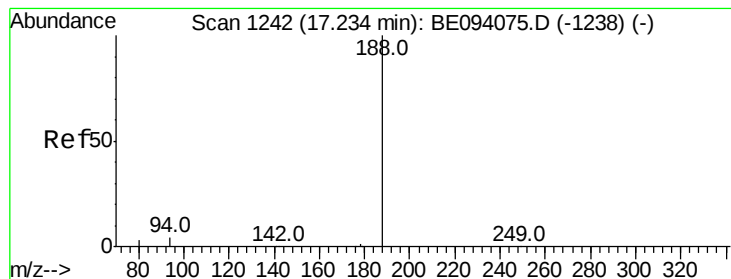
Sohil
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#18
Fluorene
Concen: 0.052 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.2	77.8	116.6
167	60.7	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: BE094091.D

Acq: 23 Sep 2017 23:13

Instrument :

BNA_E

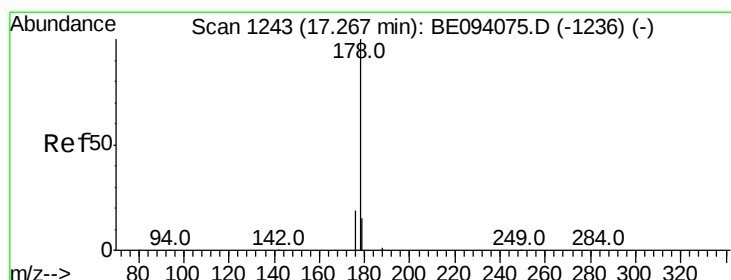
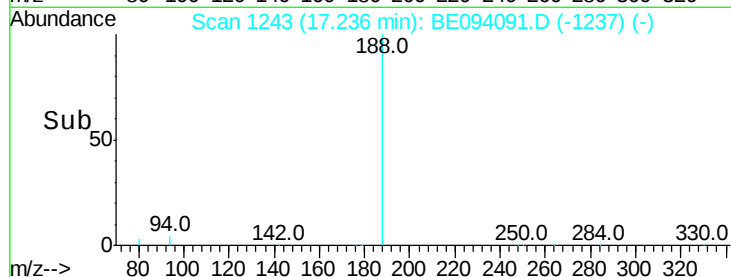
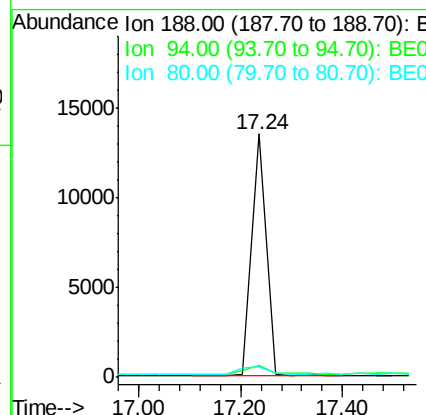
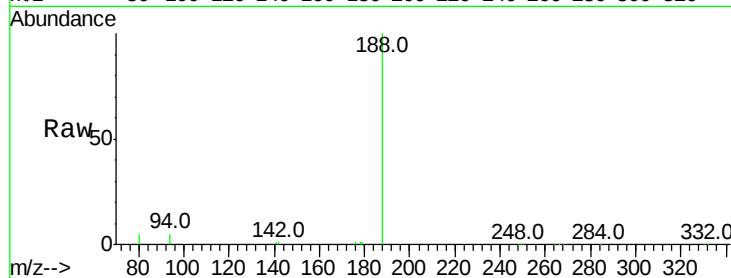
ClientSampleId :

LT-TS-008

Tot Ion:	188	Resp:	27080
Ion Ratio	Lower	Upper	
188	100		
94	5.0	3.9	5.9
80	4.5	3.6	5.4

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#23

Phenanthrene

Concen: 0.615 ng

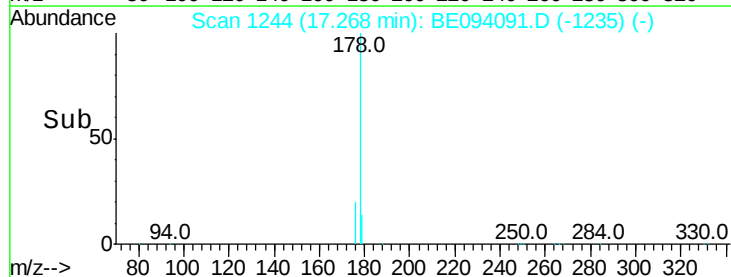
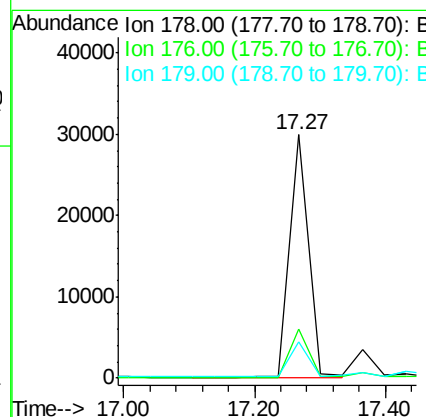
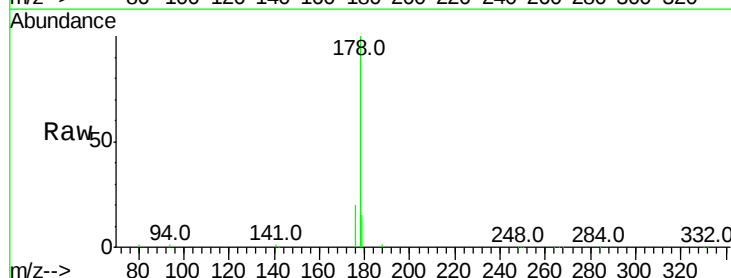
RT: 17.27 min Scan# 1244

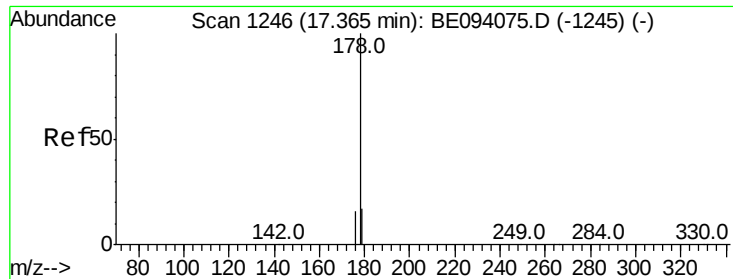
Delta R.T. 0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Tgt Ion:	178	Resp:	59663
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.1	22.7
179	15.5	11.8	17.6





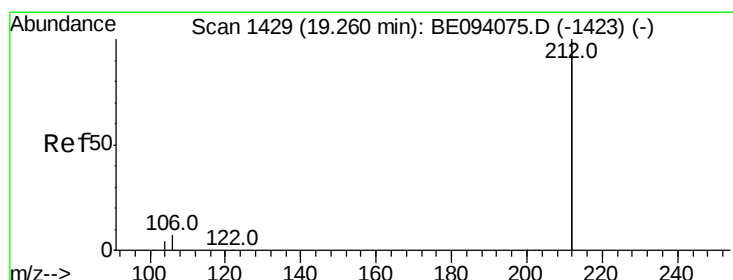
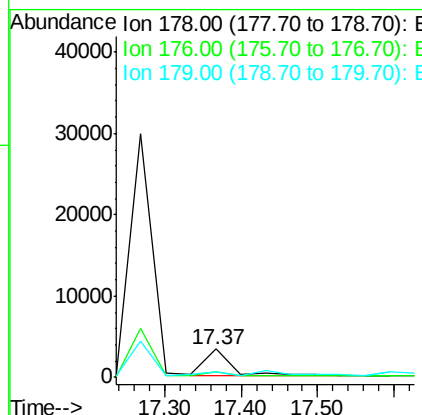
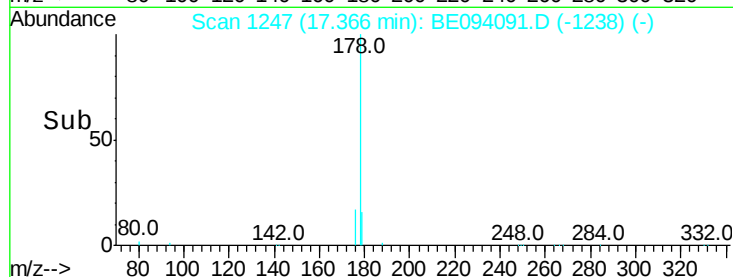
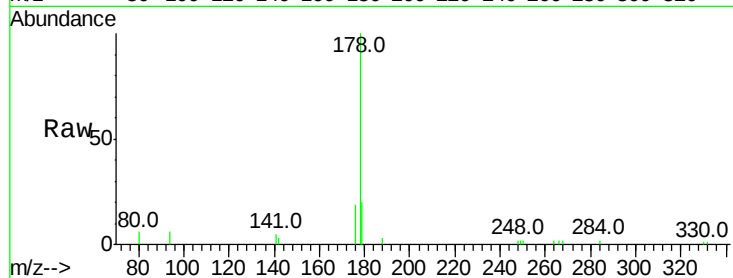
#24
 Anthracene
 Concen: 0.103 ng
 RT: 17.37 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: BE094091.D
 Acq: 23 Sep 2017 23:13

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-008

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.0	12.8	19.2
179	12.5	13.0	19.6#

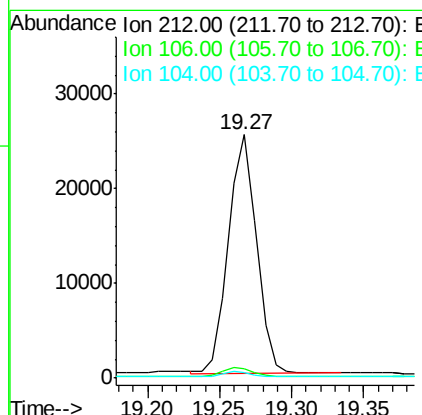
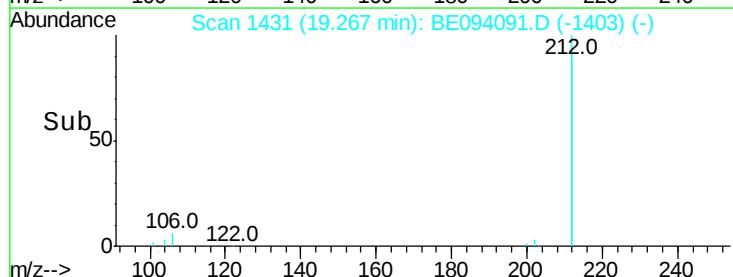
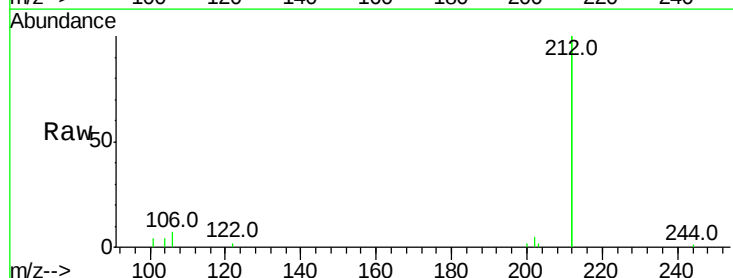
Manual Integrations
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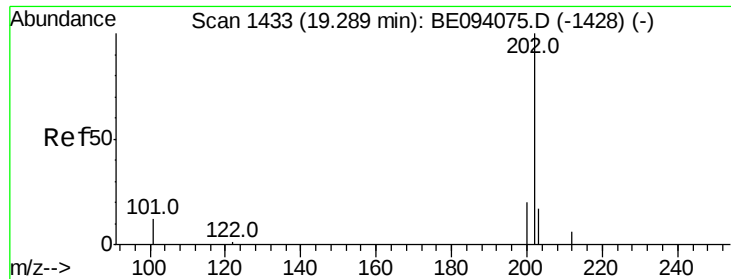
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#25
 Fluoranthene-d10
 Concen: 0.099 ng
 RT: 19.27 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: BE094091.D
 Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.8	2.8	4.2
104	2.2	1.6	2.4





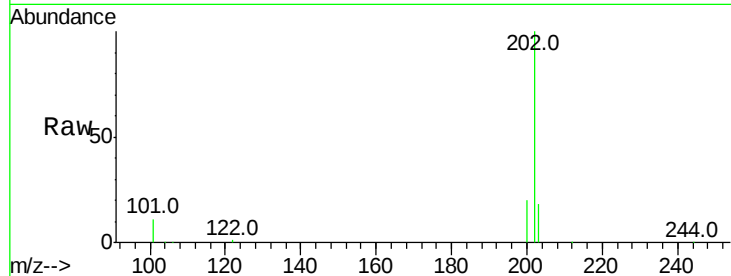
#26
Fluoranthene
Concen: 1.009 ng
RT: 19.30 min Scan# 1435
Delta R.T. 0.01 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampled :
LT-TS-008

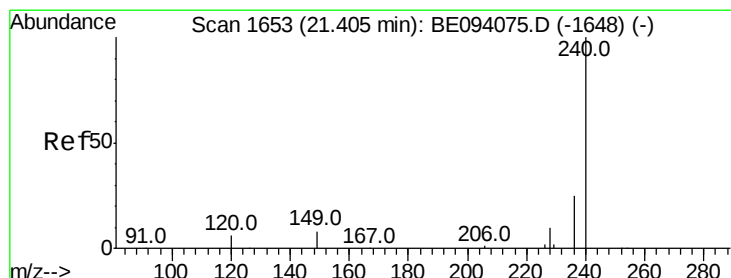
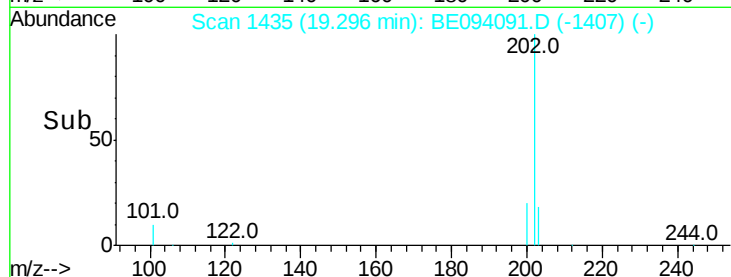
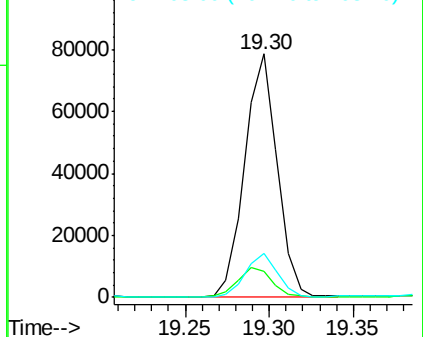
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	9.8	14.8
203	17.5	13.7	20.5

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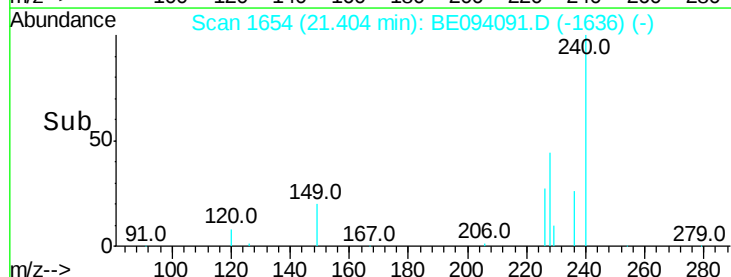
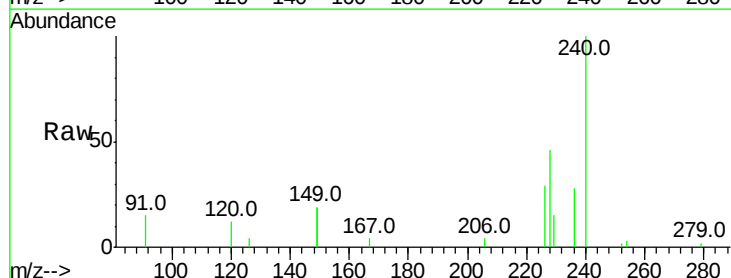
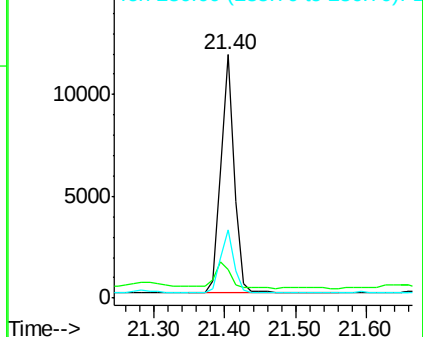
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

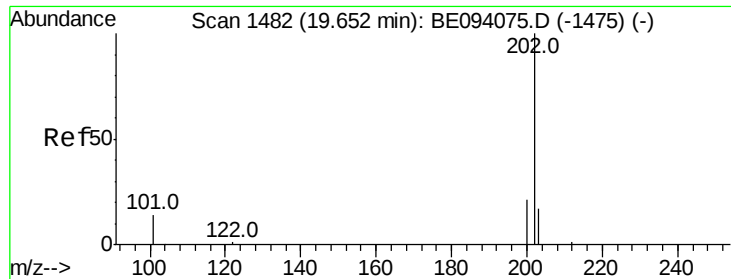


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	5.5	8.3#
236	28.1	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





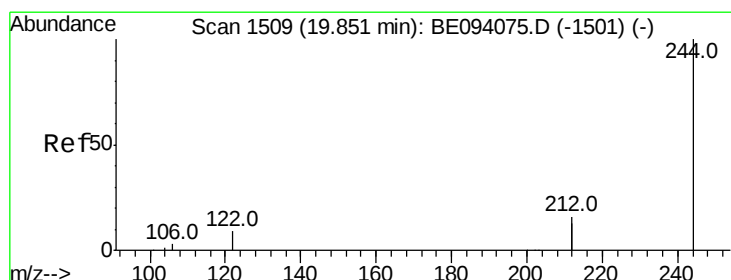
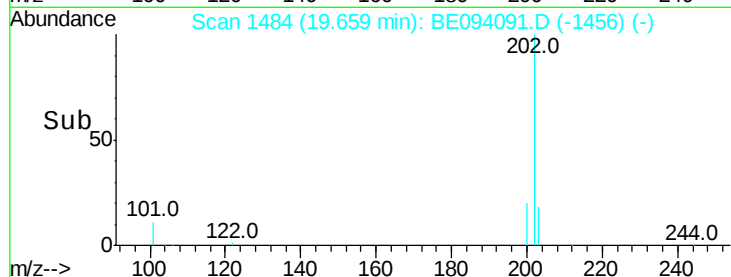
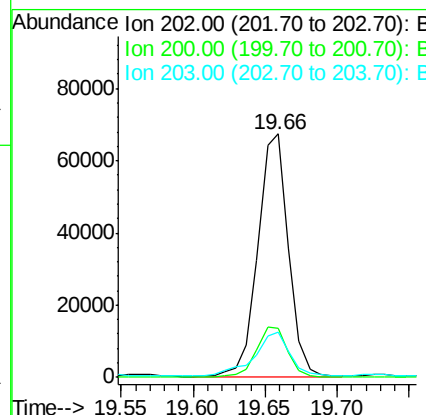
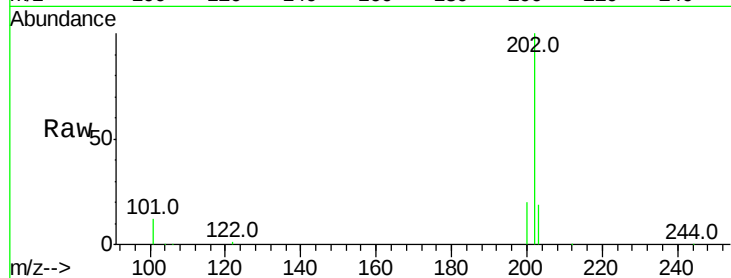
#28
Pvrene
Concen: 2.250 ng
RT: 19.66 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.6	25.0
203	21.3	13.8	20.8

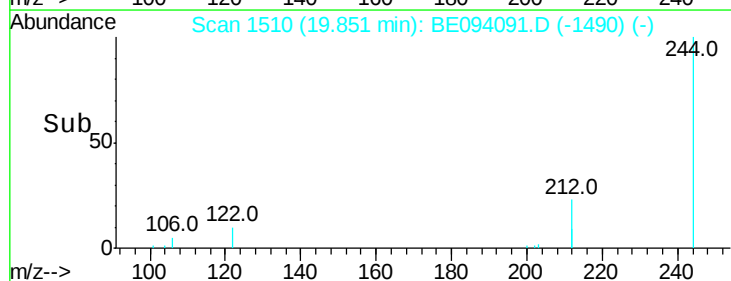
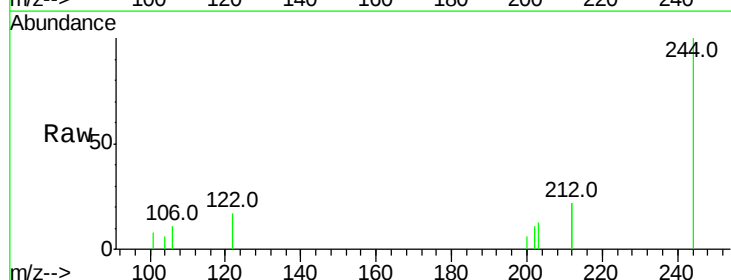
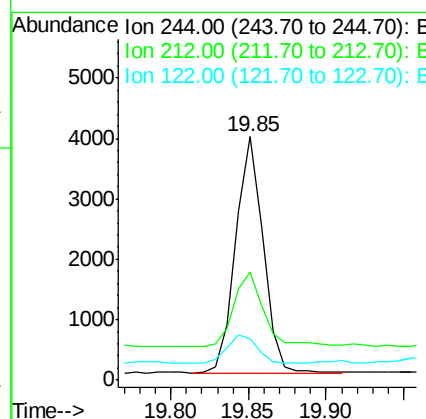
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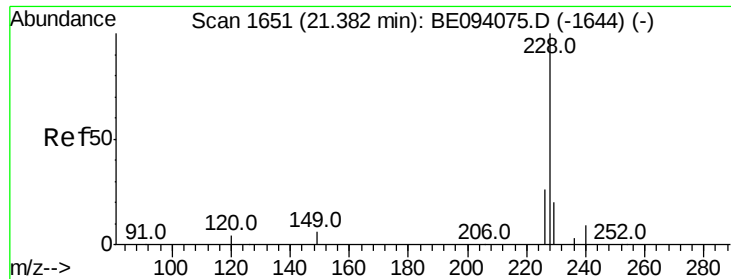
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#29
Terphenyl-d14
Concen: 0.193 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	44.6	25.4	38.0
122	16.9	8.1	12.1





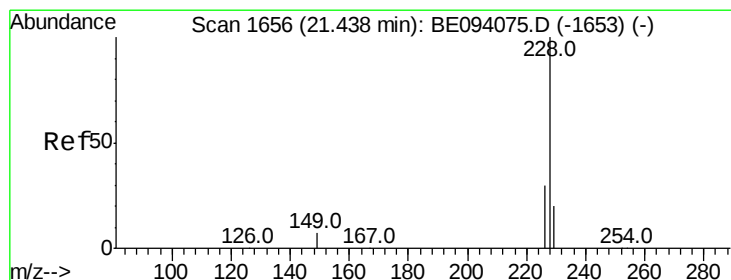
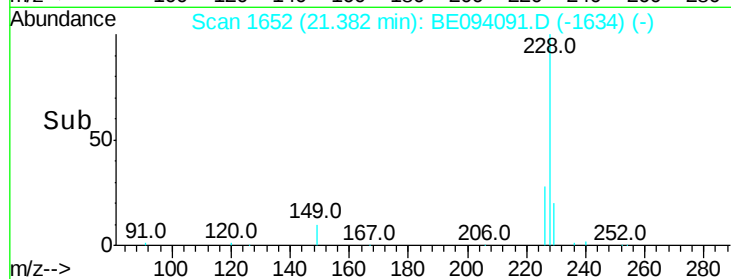
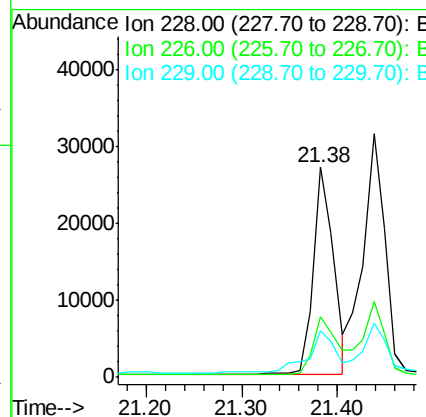
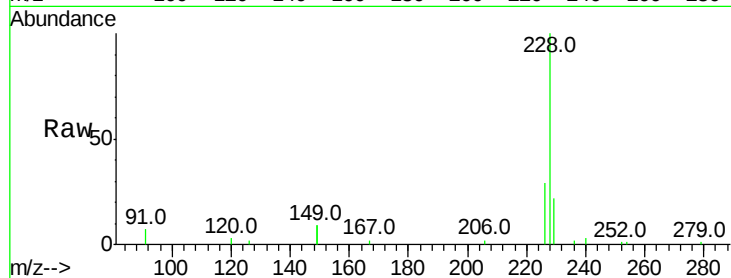
#30
Benzo(a)anthracene
Concen: 0.755 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.4	32.0
229	22.1	16.4	24.6

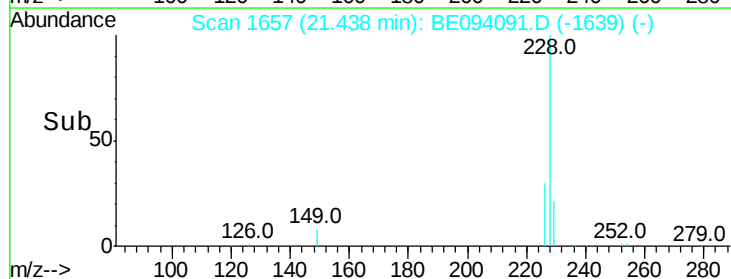
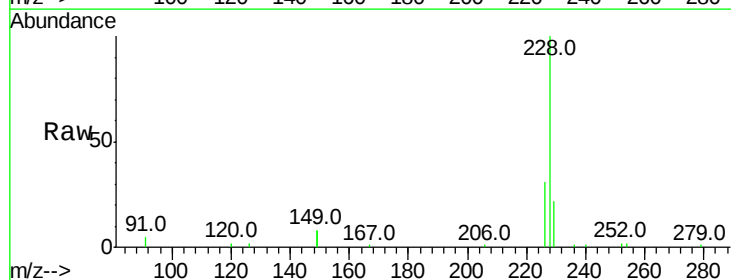
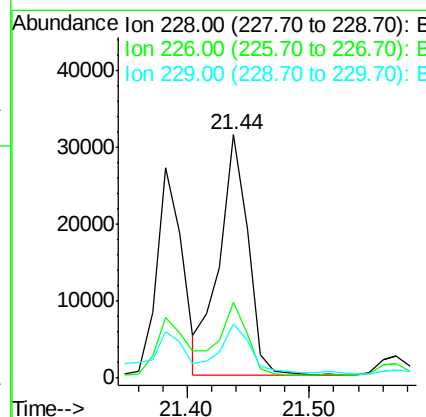
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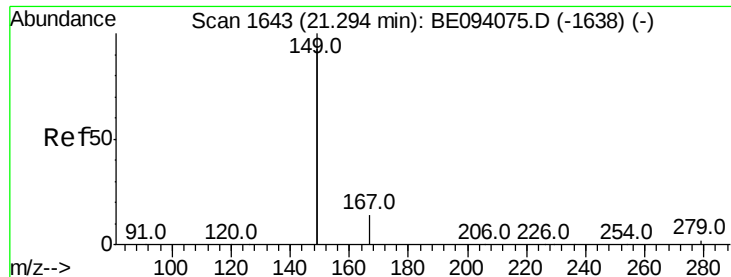
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#31
Chrysene
Concen: 0.955 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.6	35.4
229	22.2	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.209 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Instrument :

BNA_E

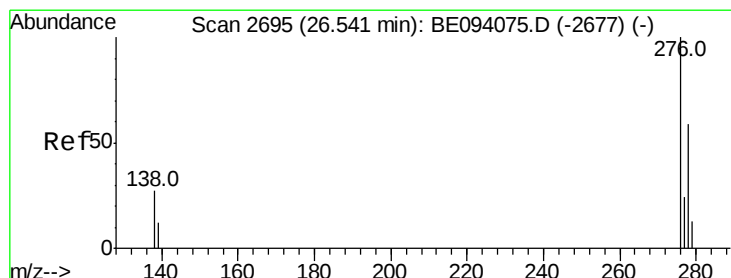
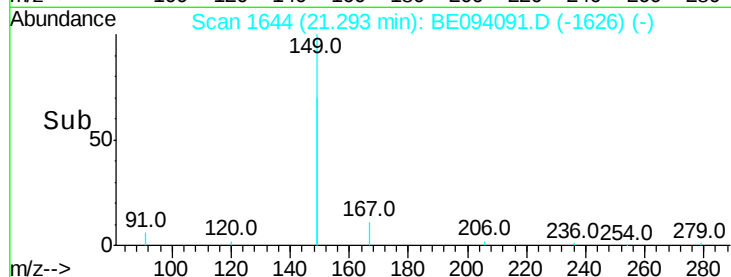
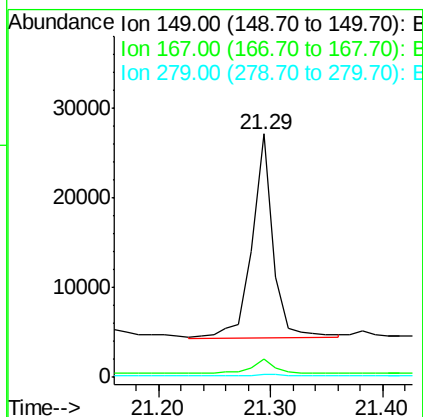
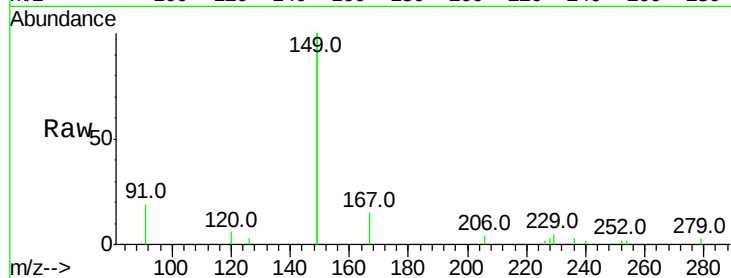
ClientSampleId :

LT-TS-008

Tot Ion:	149	Resp:	29902
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.4	8.0
279	0.9	0.7	1.1

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.739 ng

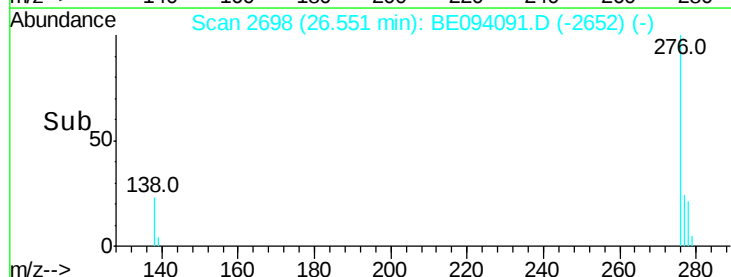
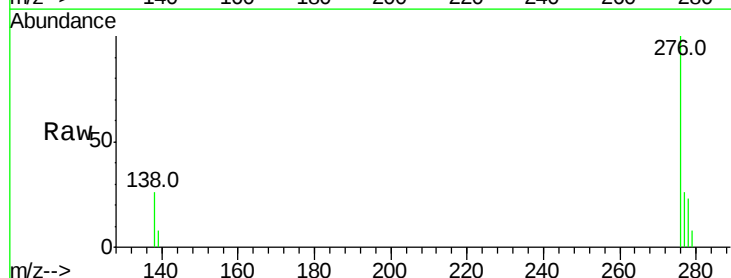
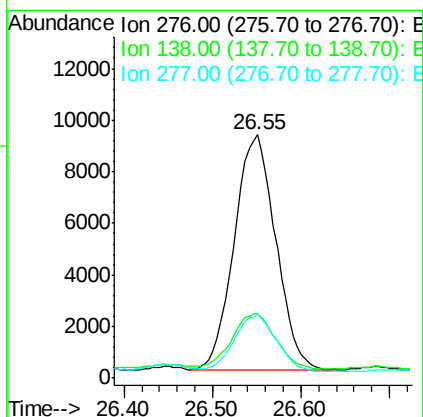
RT: 26.55 min Scan# 2698

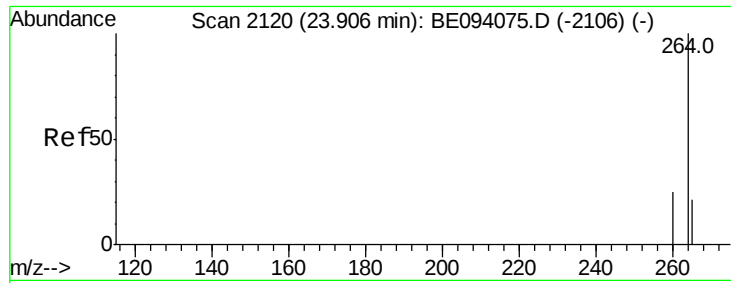
Delta R.T. 0.01 min

Lab File: BE094091.D

Acq: 23 Sep 2017 23:13

Tgt Ion:	276	Resp:	29869
Ion Ratio	Lower	Upper	
276	100		
138	24.8	22.5	33.7
277	24.8	19.9	29.9





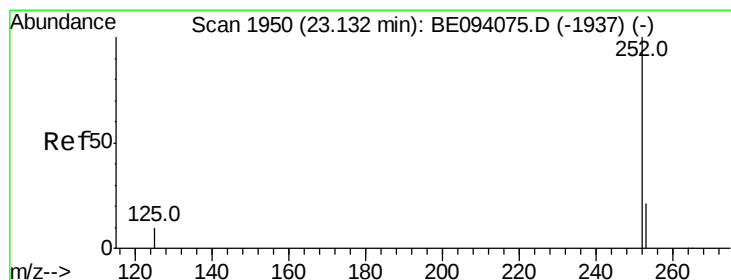
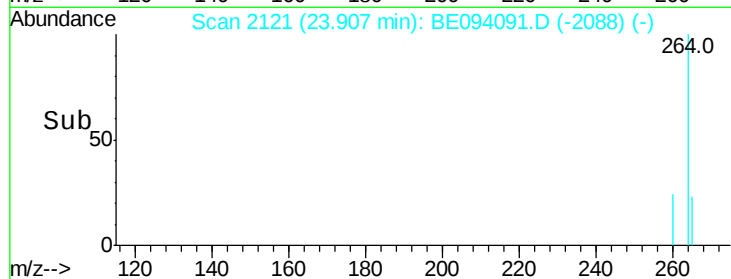
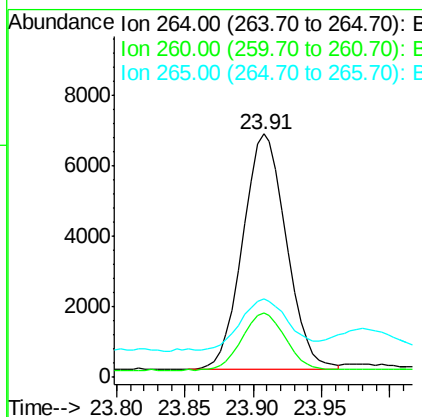
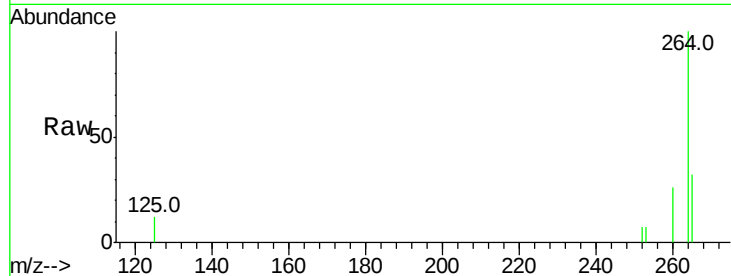
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	32.4	22.8	34.2

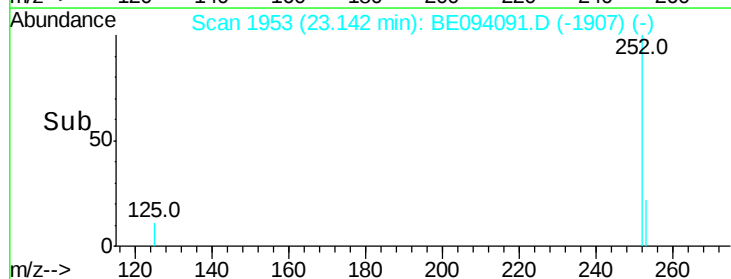
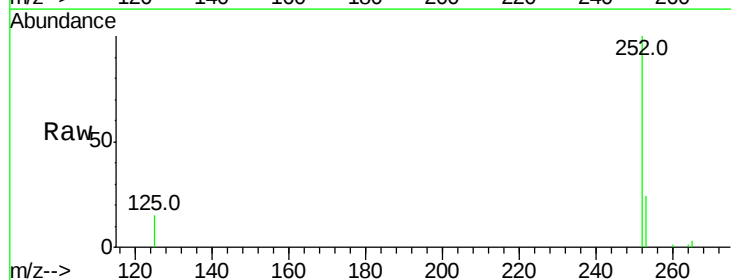
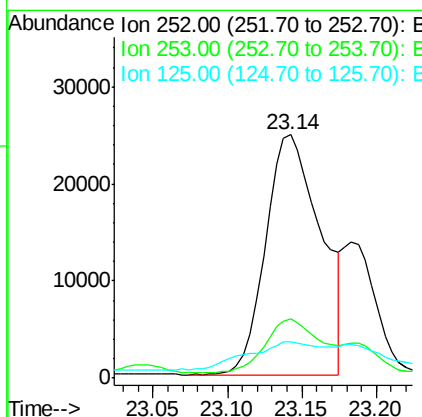
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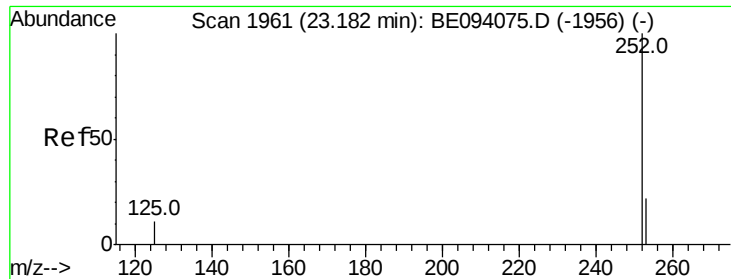
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#35
Benzo(b)fluoranthene
Concen: 1.183 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.01 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	14.7	10.1	15.1





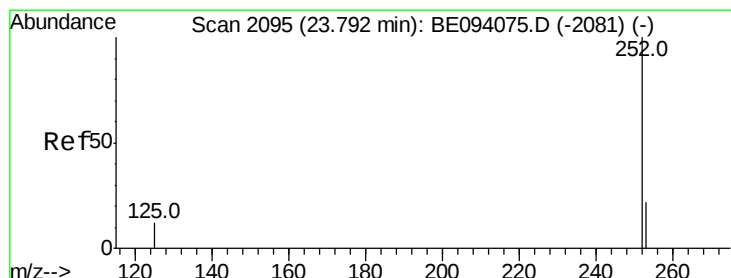
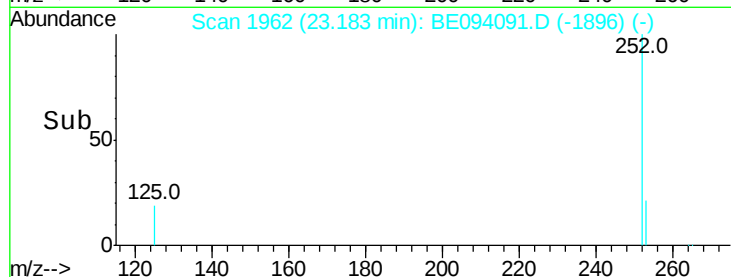
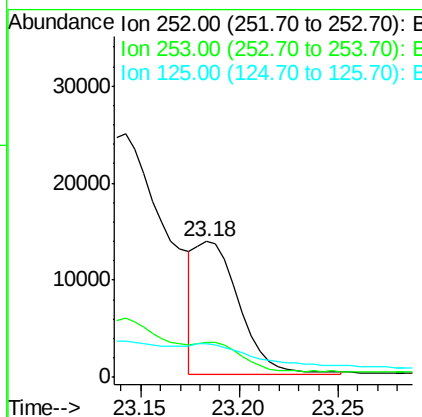
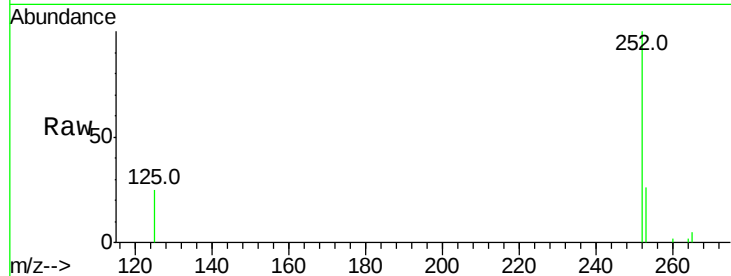
#36
Benzo(k)fluoranthene
Concen: 0.392 ng m
RT: 23.18 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.6	27.8
125	24.8	10.7	16.1

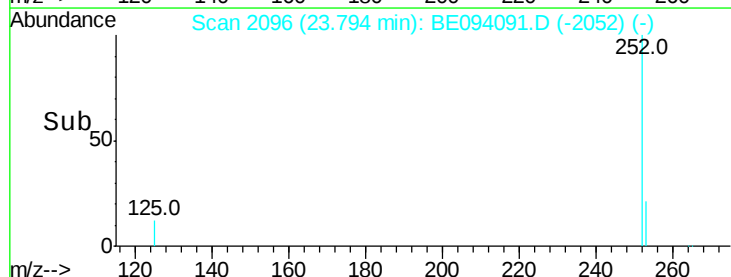
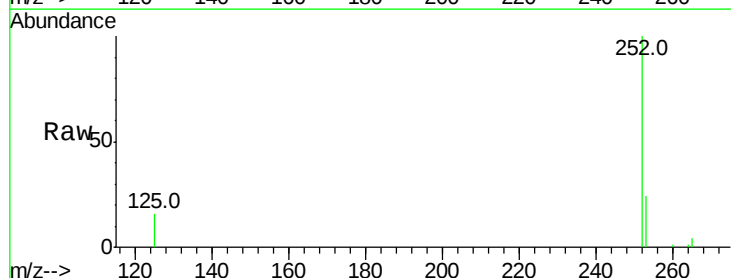
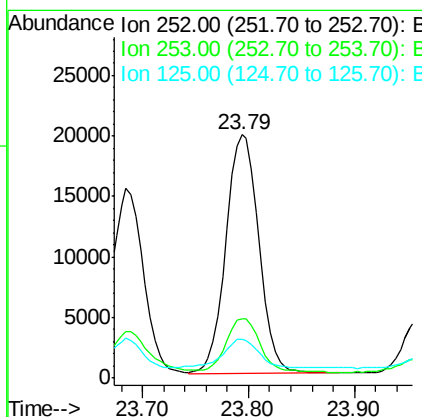
Manual Integrations
APPROVED

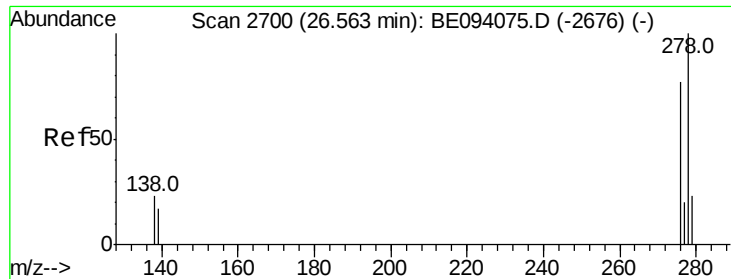
Sohil
9/25/2017 6:24:47 PM



#37
Benzo(a)pyrene
Concen: 0.887 ng
RT: 23.79 min Scan# 2096
Delta R.T. 0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.6
125	16.1	11.8	17.8





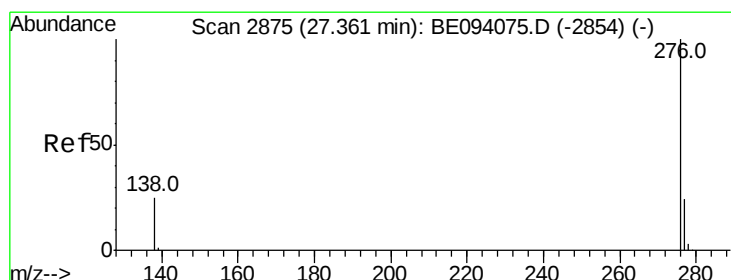
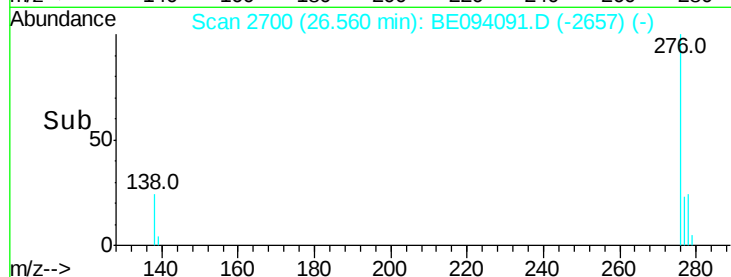
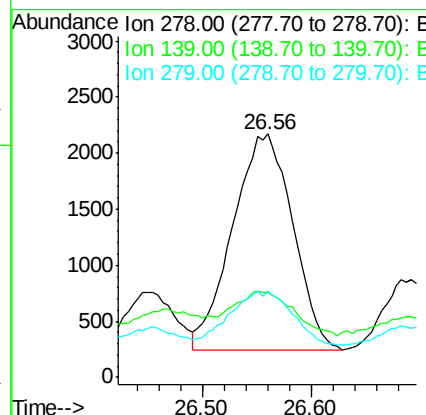
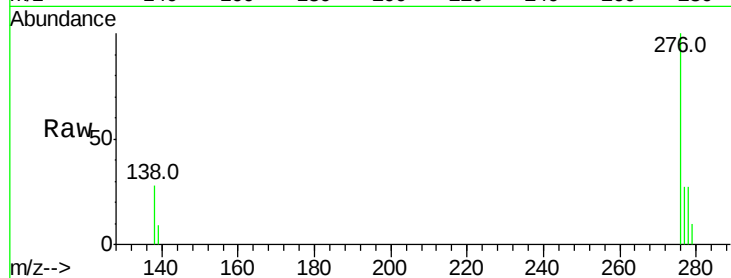
#38
Dibenzo(a,h)anthracene
Concen: 0.192 ng
RT: 26.56 min Scan# 2700
Delta R.T. -0.00 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.9	16.3	24.5#
279	35.4	19.9	29.9#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 0.803 ng
RT: 27.37 min Scan# 2877
Delta R.T. 0.01 min
Lab File: BE094091.D
Acq: 23 Sep 2017 23:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.8	31.2
138	27.3	21.5	32.3

