

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094095.D
 Acq On : 24 Sep 2017 1:42
 Operator : SJ/JU
 Sample : I5340-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-009

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:24:52 PM

Quant Time: Sep 25 13:38:25 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	2373	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	13225	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	8368	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	24646	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15031	0.40	ng	0.00
34) Perylene-d12	23.91	264	14455	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1853	0.01	ng	0.00
5) Phenol-d6	7.09	99	3025	0.22	ng	0.00
8) Nitrobenzene-d5	9.06	82	2474	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3341	0.15	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	514	0.08	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	4140	0.15	ng	0.00
25) Fluoranthene-d10	19.27	212	22303	0.07	ng	0.00
29) Terphenyl-d14	19.85	244	3288	0.14	ng	0.00

Target Compounds				Qvalue		
16) Acenaphthylene	14.23	152	3728	0.088	ng	98
17) Acenaphthene	14.57	154	1167	0.042	ng	95
18) Fluorene	15.56	166	1787	0.043	ng	# 87
23) Phenanthrene	17.27	178	53338	0.604	ng	98
24) Anthracene	17.37	178	7084	0.104	ng	# 94
26) Fluoranthene	19.30	202	93303	0.985	ng	99
28) Pyrene	19.65	202	88486	2.128	ng	# 95
30) Benzo(a)anthracene	21.38	228	38131	0.758	ng	96
31) Chrysene	21.44	228	44349	0.899	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	21412	0.158	ng	# 94
33) Indeno(1,2,3-cd)pyrene	26.55	276	24615	0.645	ng	97
35) Benzo(b)fluoranthene	23.14	252	54028	1.033	ng	# 95
36) Benzo(k)fluoranthene	23.18	252	18262m	0.348	ng	
37) Benzo(a)pyrene	23.79	252	37842	0.806	ng	# 96
38) Dibenzo(a,h)anthracene	26.56	278	6204	0.165	ng	# 72
39) Benzo(g,h,i)perylene	27.37	276	24908	0.663	ng	99

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

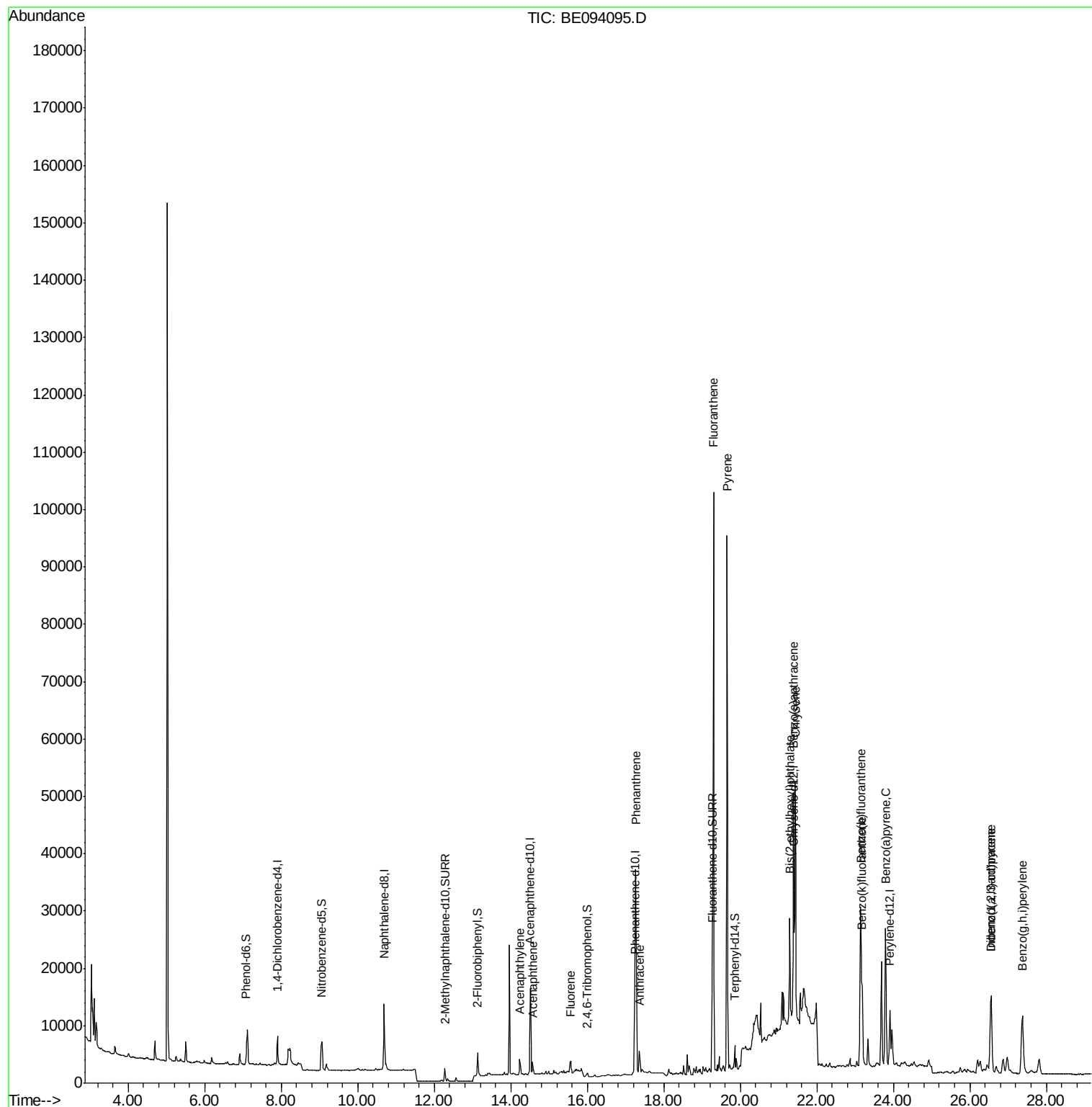
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
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ALS Vial : 22 Sample Multiplier: 1

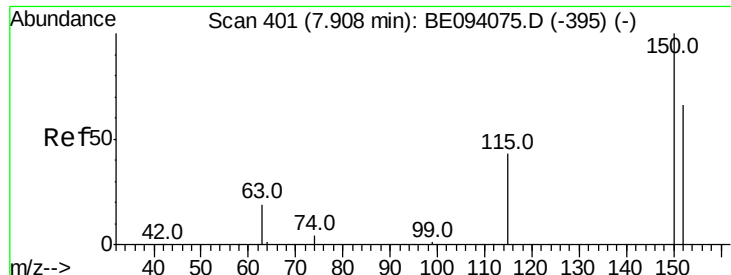
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
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#1

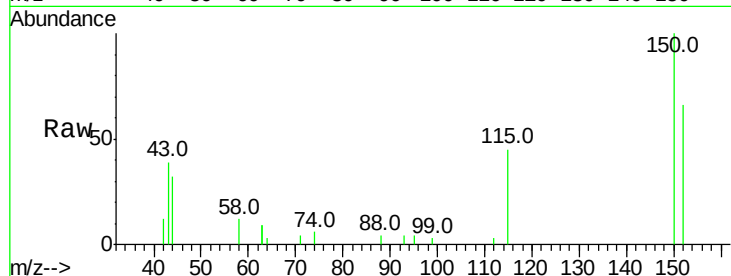
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampleId :
LT-TS-009

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	117.2	175.8
115	68.3	57.0	85.6

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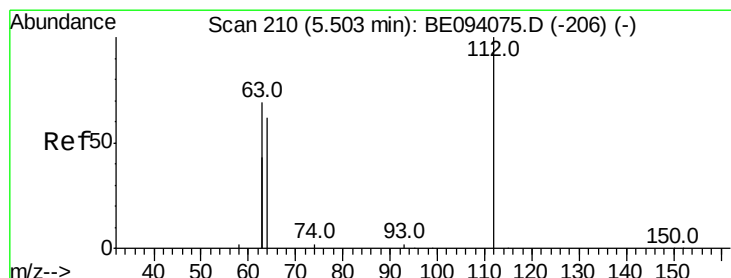
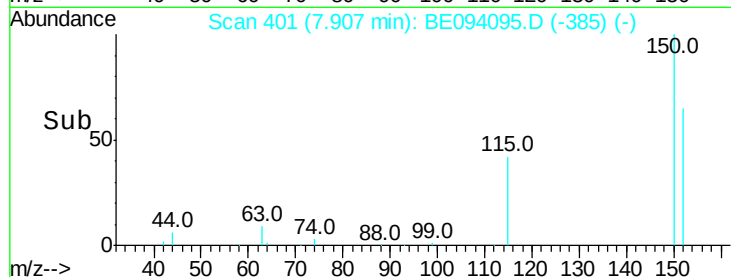
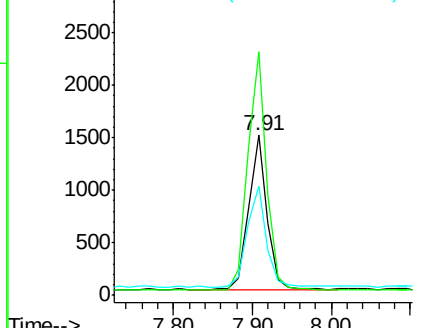


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

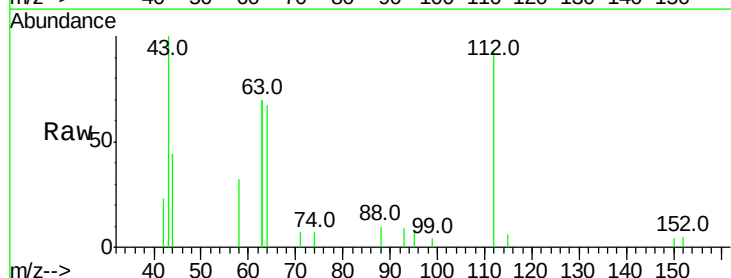
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.011 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.1	60.1	90.1
63	150.0	116.8	175.2

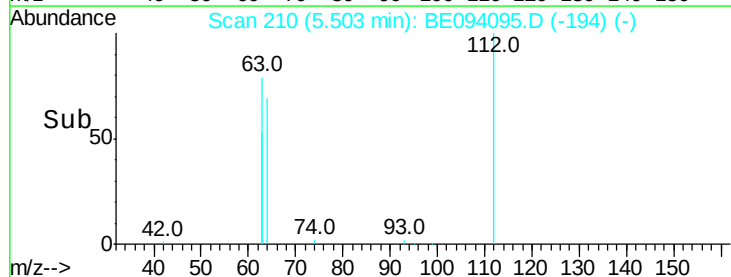
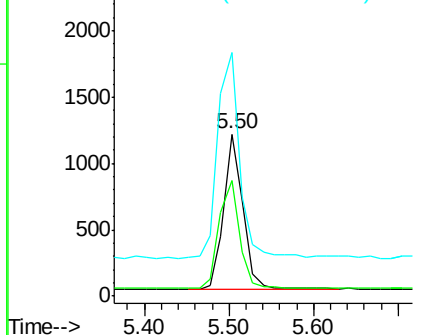


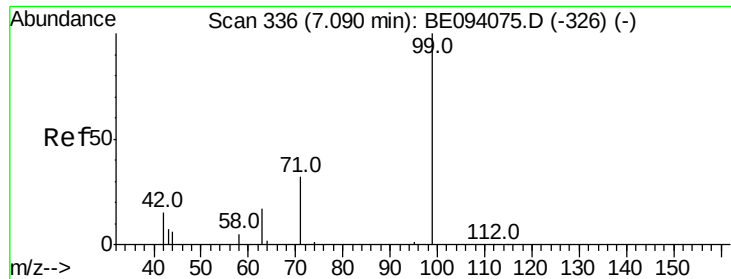
Abundance

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: 0.216 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094095.D

Acq: 24 Sep 2017 1:42

Instrument :

BNA_E

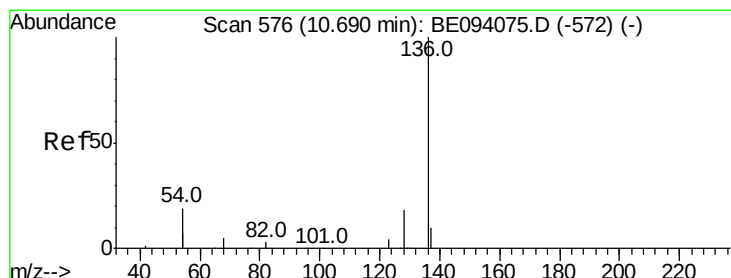
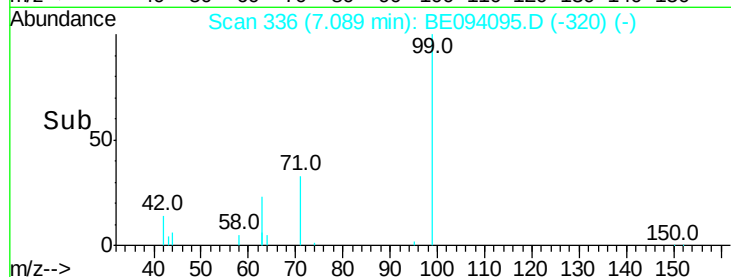
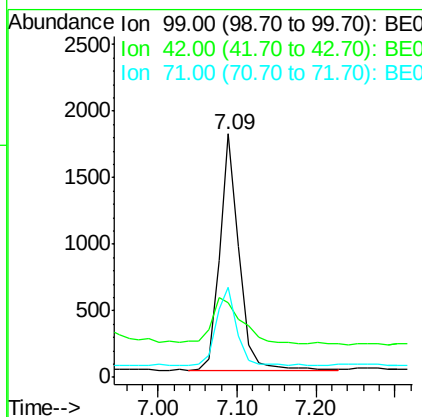
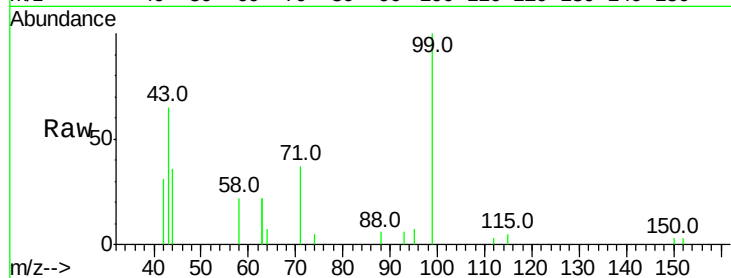
ClientSampled :

LT-TS-009

Tot Ion:	99	Resp:	3025
Ion	Ratio	Lower	Upper
99	100		
42	29.2	20.2	30.2
71	34.8	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

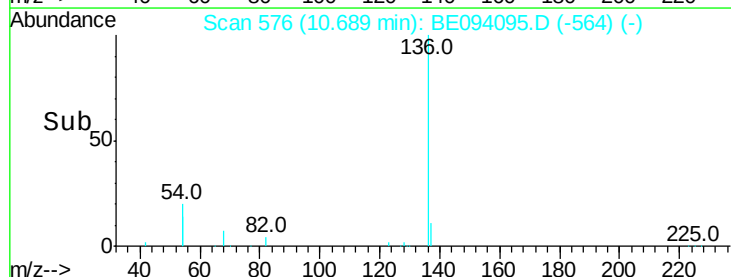
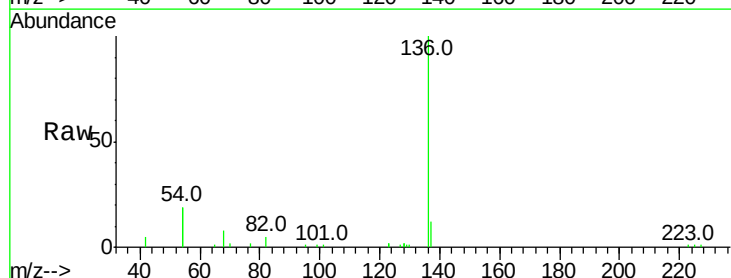
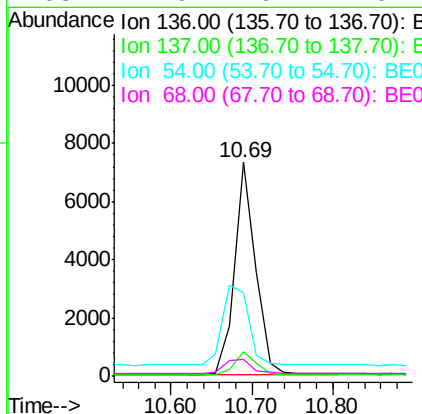
RT: 10.69 min Scan# 576

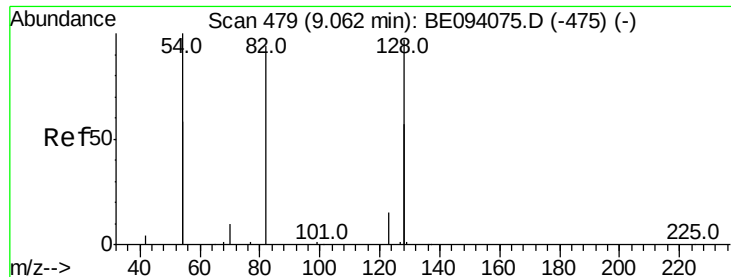
Delta R.T. -0.00 min

Lab File: BE094095.D

Acq: 24 Sep 2017 1:42

Tgt Ion:	136	Resp:	13225
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	38.9	29.1	43.7
68	7.9	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.210 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094095.D

Acq: 24 Sep 2017 1:42

Instrument :

BNA_E

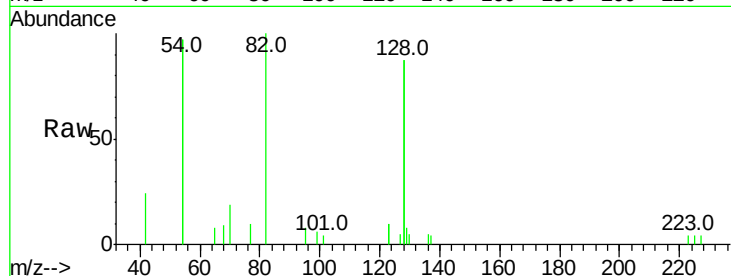
ClientSampleId :

LT-TS-009

Tot Ion:	82	Resp:	2474
Ion Ratio	Lower	Upper	
82	100		
128	173.8	150.0	225.0
54	194.5	154.2	231.4

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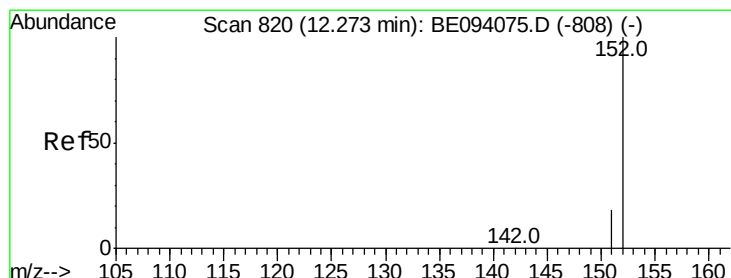
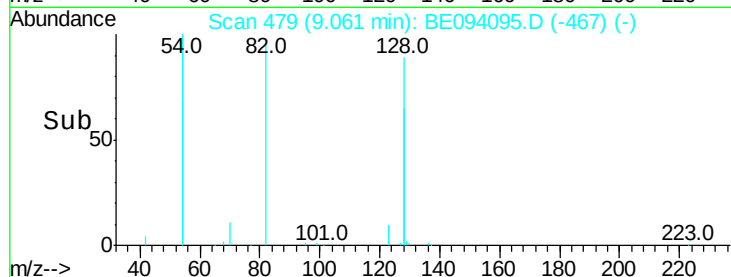
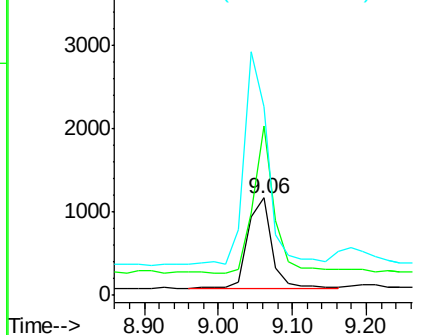
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Abundance Ion 82.00 (81.70 to 82.70): BE094095.D (-467) (-)

Ion 128.00 (127.70 to 128.70): BE094095.D (-467) (-)

Ion 54.00 (53.70 to 54.70): BE094095.D (-467) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.149 ng

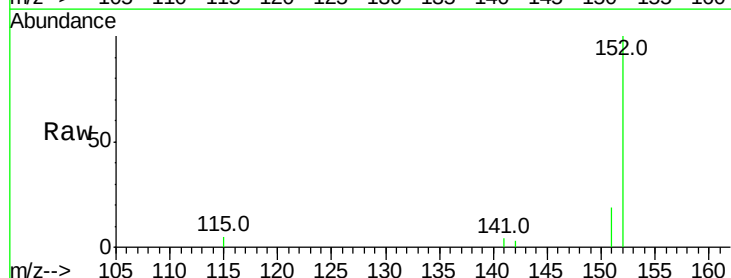
RT: 12.28 min Scan# 821

Delta R.T. 0.00 min

Lab File: BE094095.D

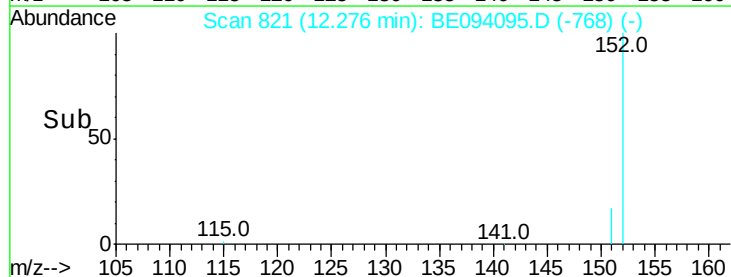
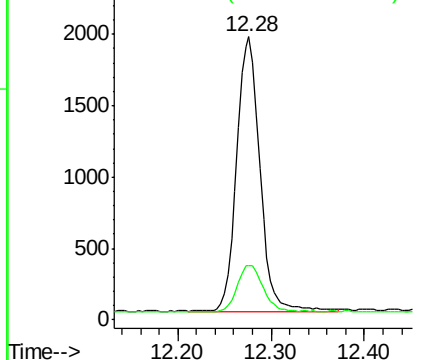
Acq: 24 Sep 2017 1:42

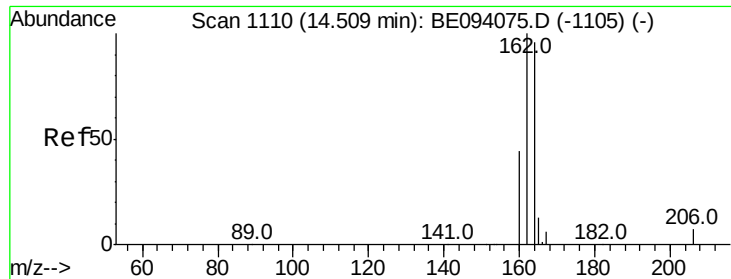
Tgt Ion:	152	Resp:	3341
Ion Ratio	Lower	Upper	
152	100		
151	18.9	15.4	23.0



Abundance Ion 152.00 (151.70 to 152.70): BE094095.D (-768) (-)

Ion 151.00 (150.70 to 151.70): BE094095.D (-768) (-)





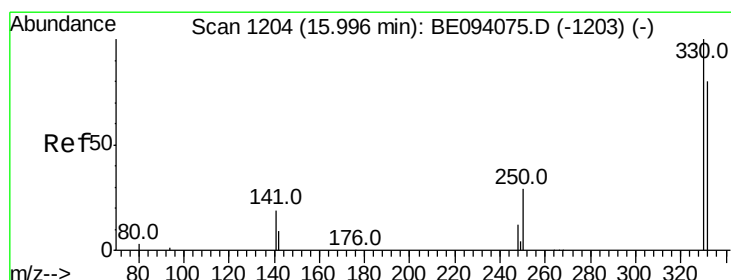
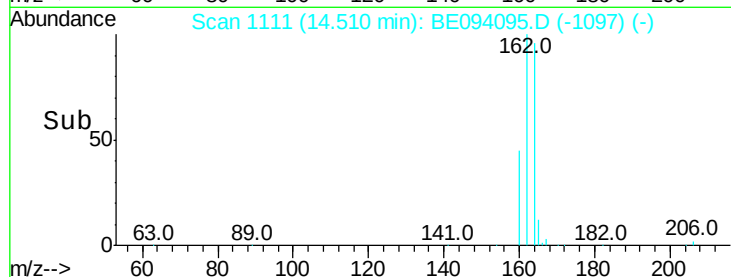
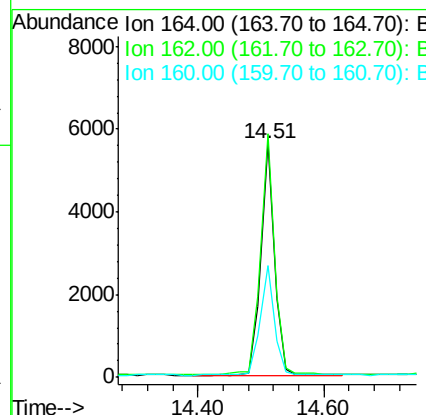
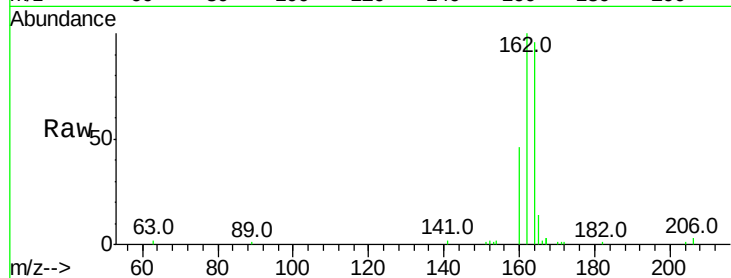
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-009

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	83.1	124.7
160	47.5	37.1	55.7

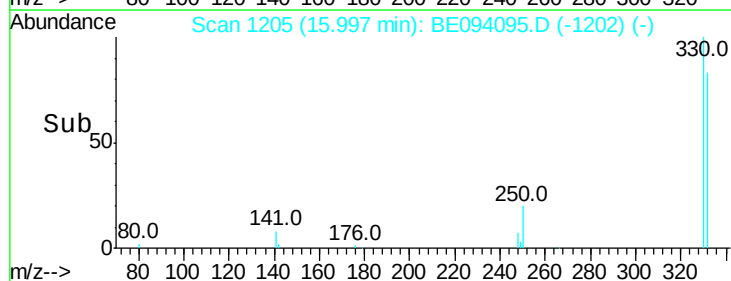
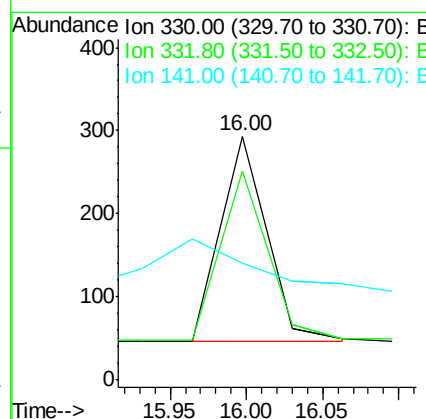
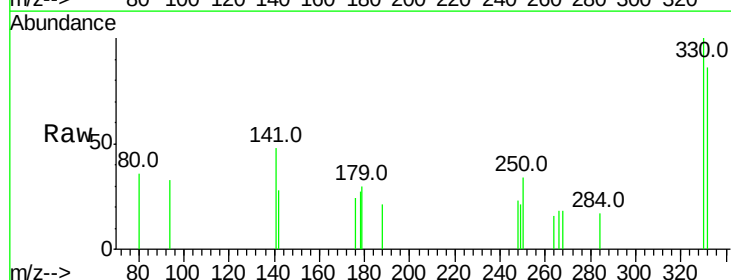
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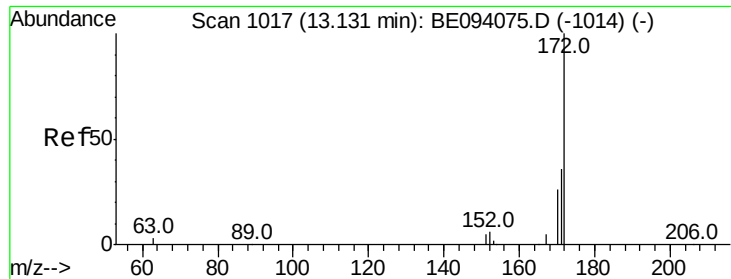
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#14
 2,4,6-Tribromophenol
 Concen: 0.081 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	85.2	152.7	229.1#
141	0.0	33.7	50.5#





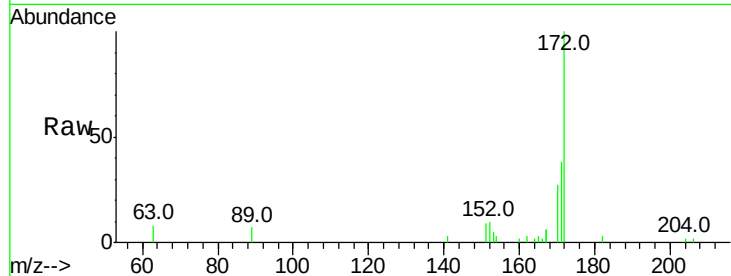
#15
2-Fluorobiphenyl
Concen: 0.151 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampleId :
LT-TS-009

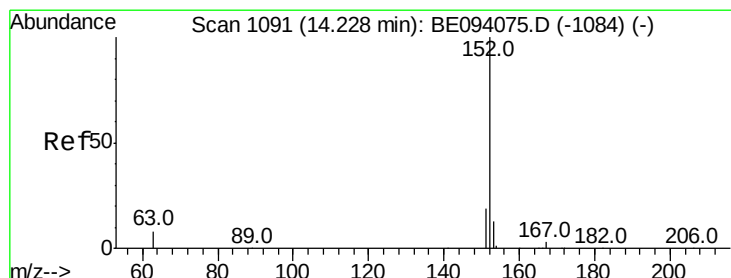
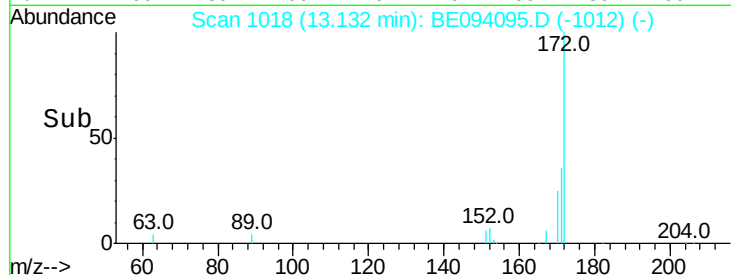
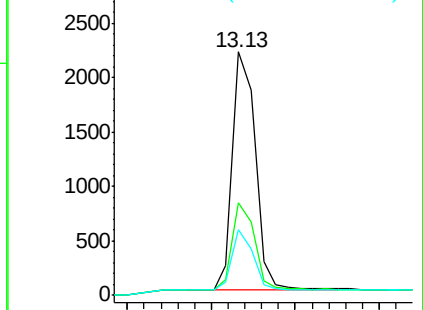
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.9	44.9
170	26.8	21.8	32.8

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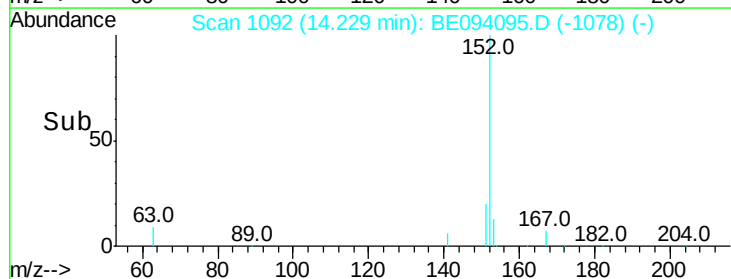
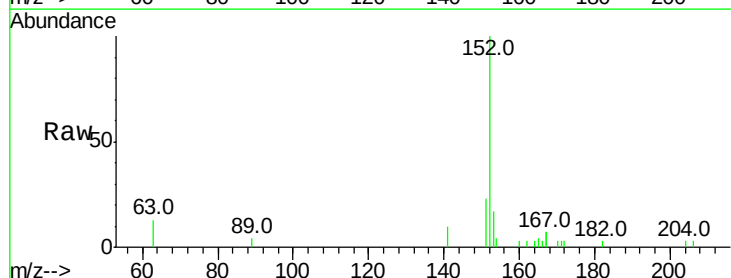
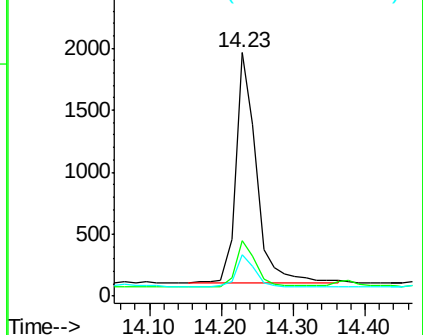
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

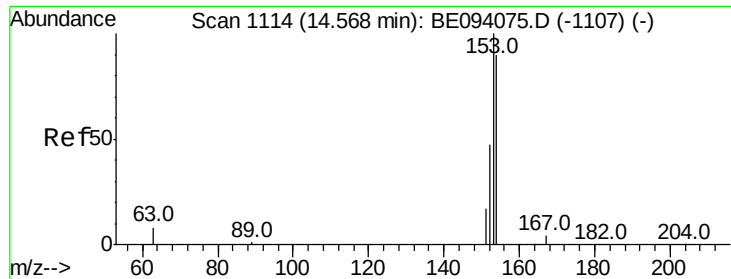


#16
Acenaphthylene
Concen: 0.088 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.7	23.5
153	13.9	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





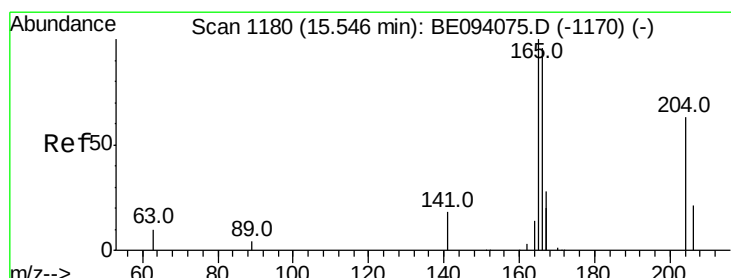
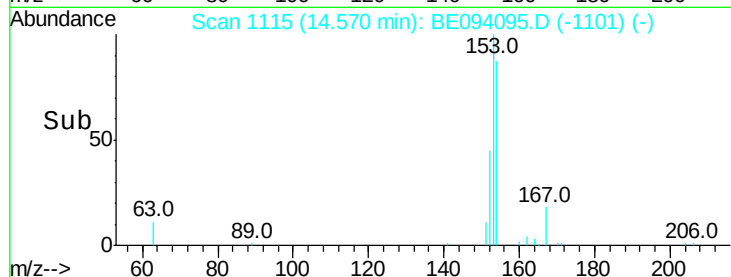
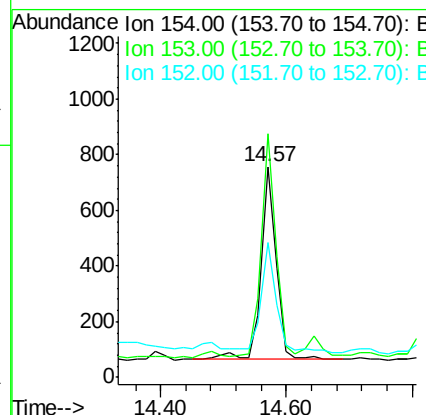
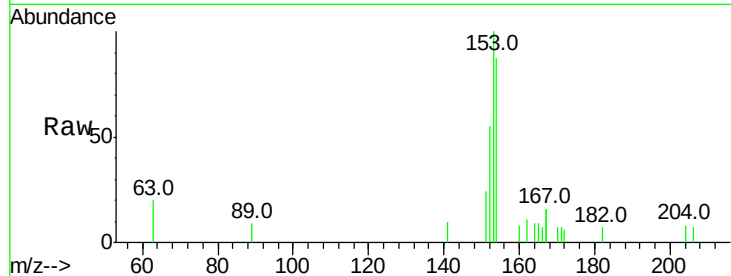
#17
Acenaphthene
Concen: 0.042 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampleId :
LT-TS-009

Tot Ion	Ratio	Lower	Upper
154	100		
153	108.1	89.2	133.8
152	58.7	42.0	63.0

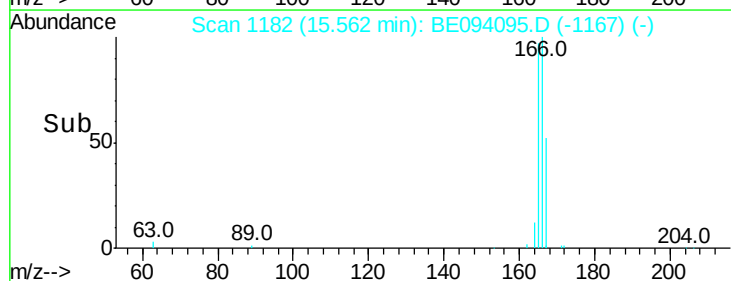
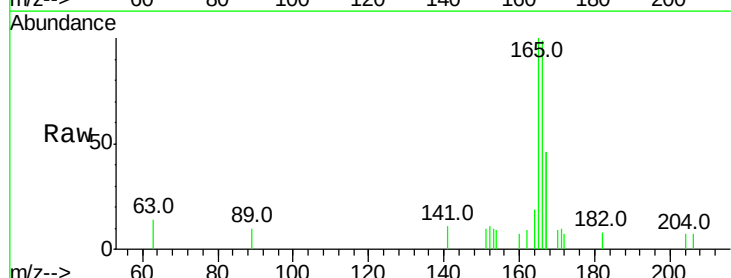
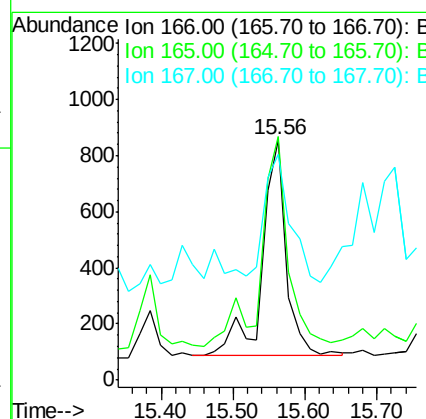
Manual Integrations
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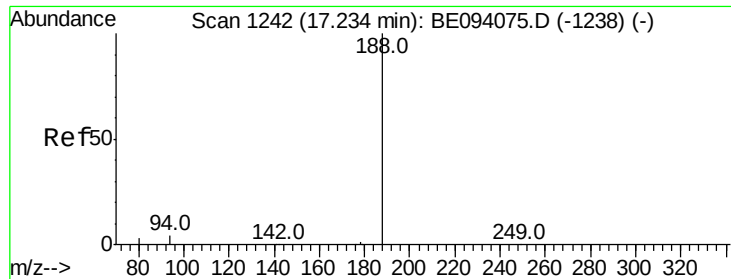
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#18
Fluorene
Concen: 0.043 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.0	77.8	116.6
167	63.8	42.4	63.6#





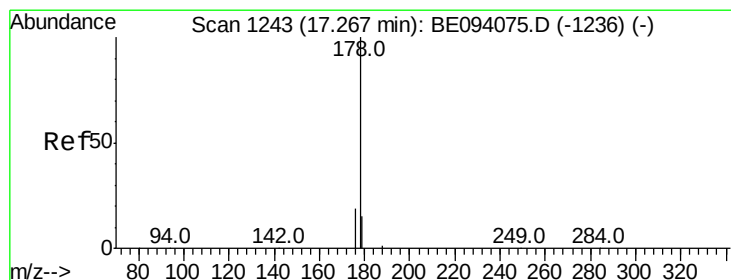
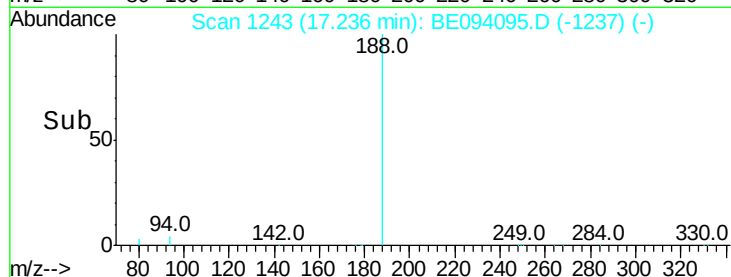
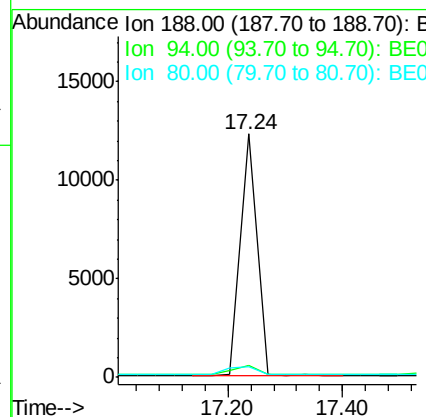
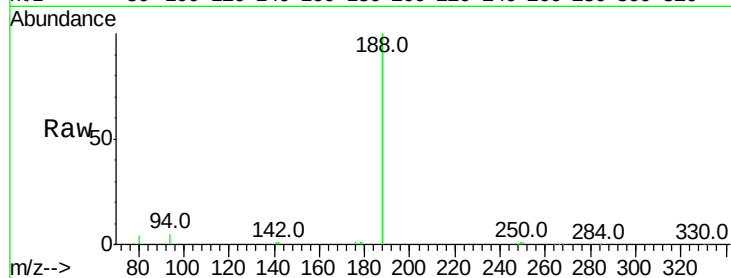
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampleId :
LT-TS-009

Tot Ion	Ratio	Resp	Lower	Upper
188	100	24646		
94	5.0		3.9	5.9
80	4.4		3.6	5.4

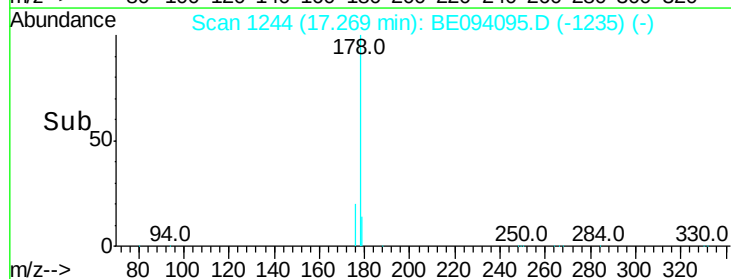
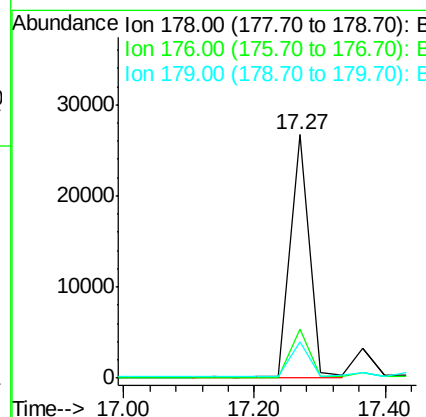
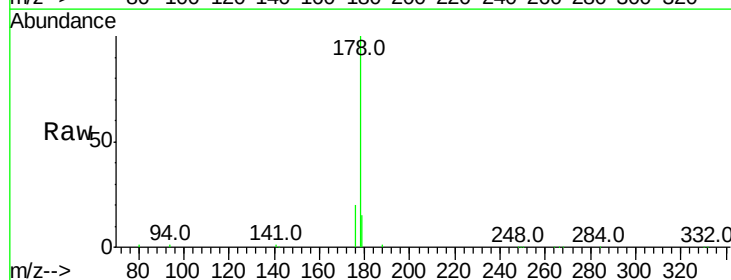
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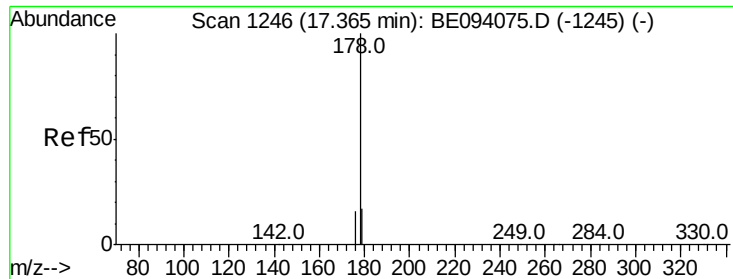
Sohil
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#23
Phenanthrene
Concen: 0.604 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	53338		
176	19.9		15.1	22.7
179	15.3		11.8	17.6





#24

Anthracene

Concen: 0.104 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094095.D

Acq: 24 Sep 2017 1:42

Instrument :

BNA_E

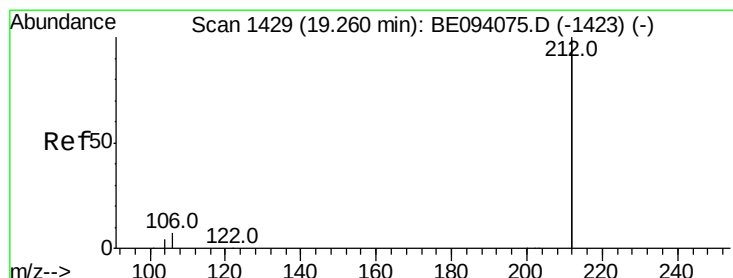
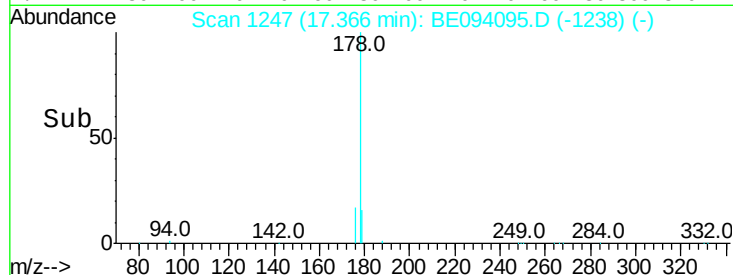
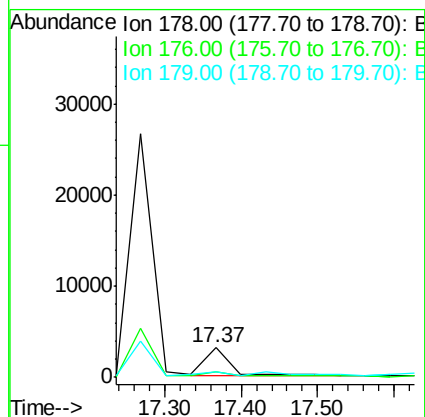
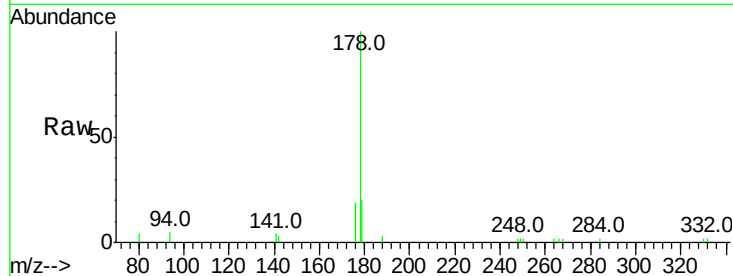
ClientSampled :

LT-TS-009

Tot Ion:178	Resp:	7084
Ion Ratio	Lower	Upper
178 100		
176 16.7	12.8	19.2
179 12.1	13.0	19.6#

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#25

Fluoranthene-d10

Concen: 0.071 ng

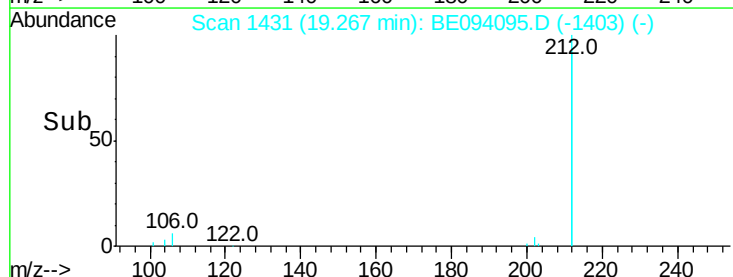
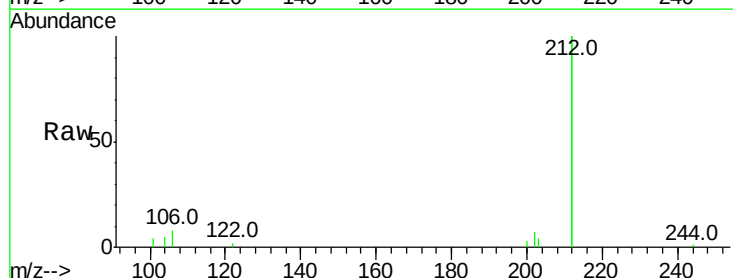
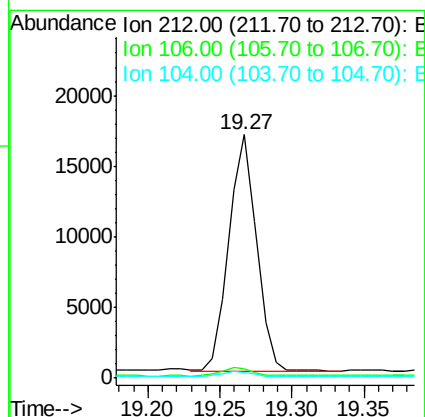
RT: 19.27 min Scan# 1431

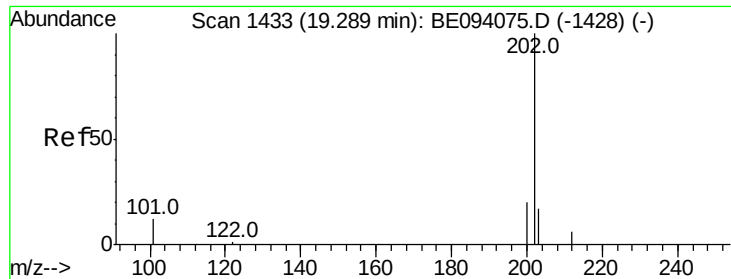
Delta R.T. 0.01 min

Lab File: BE094095.D

Acq: 24 Sep 2017 1:42

Tgt Ion:212	Resp:	22303
Ion Ratio	Lower	Upper
212 100		
106 3.8	2.8	4.2
104 2.2	1.6	2.4





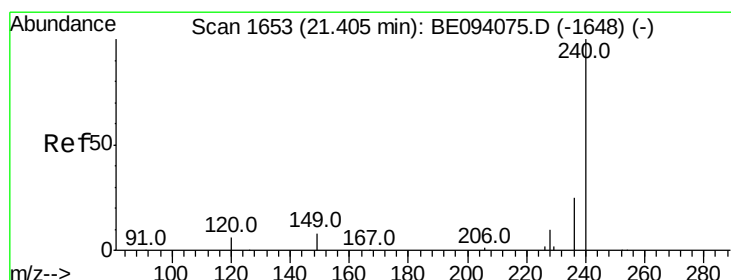
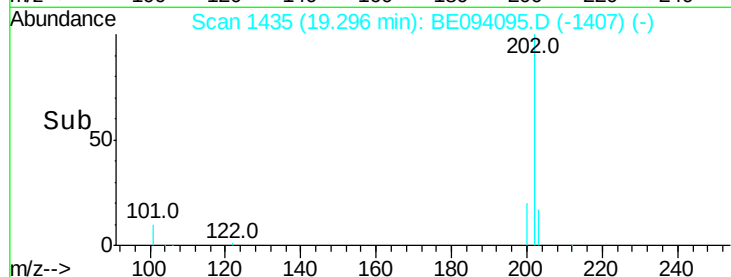
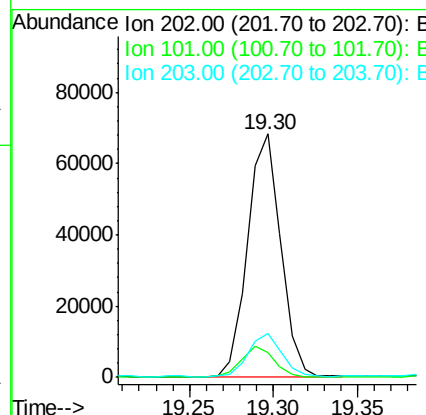
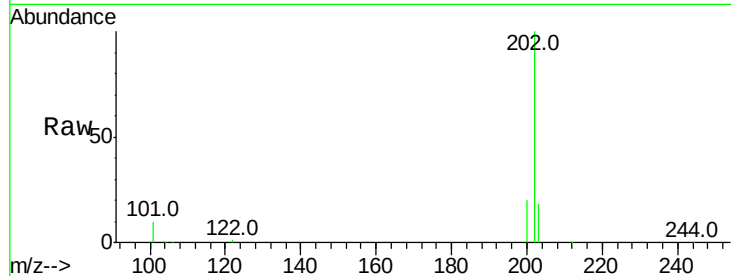
#26
 Fluoranthene
 Concen: 0.985 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-009

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.2	9.8	14.8	
203	17.5	13.7	20.5	

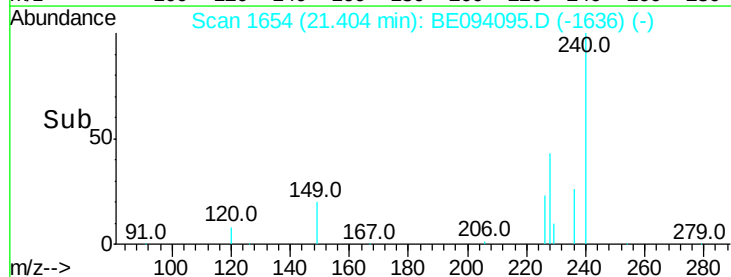
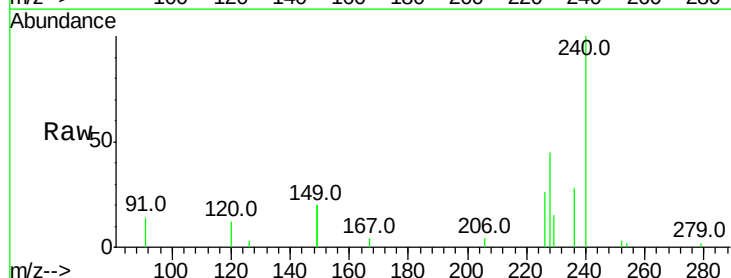
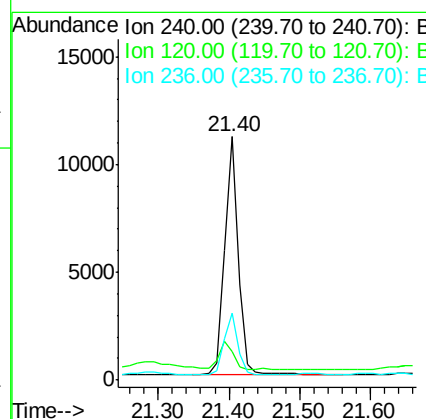
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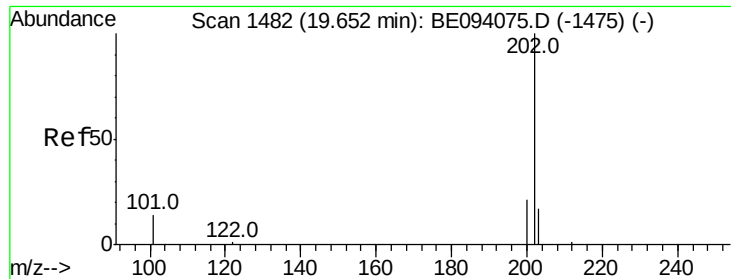
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.6	5.5	8.3#	
236	27.5	20.7	31.1	





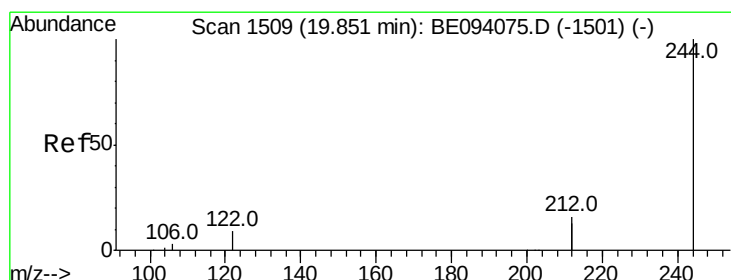
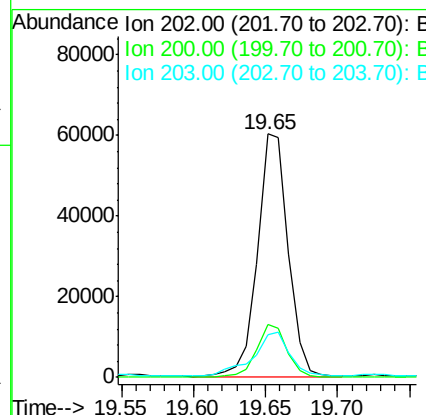
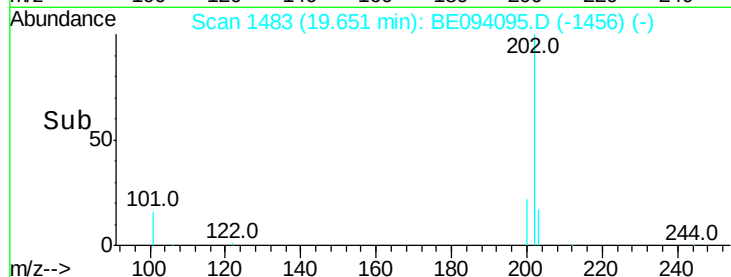
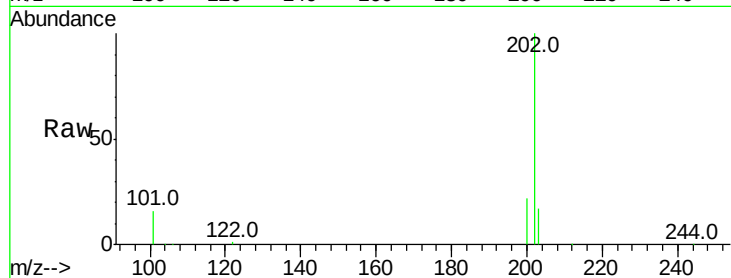
#28
Pvrene
Concen: 2.128 ng
RT: 19.65 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampleId :
LT-TS-009

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	16.6	25.0
203	21.6	13.8	20.8

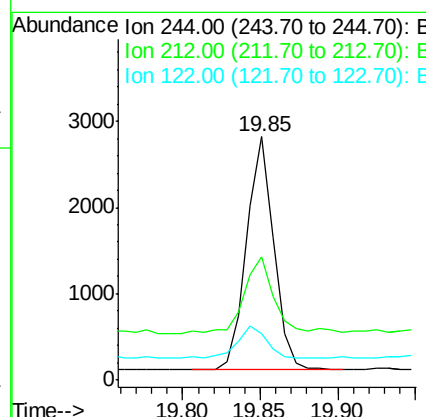
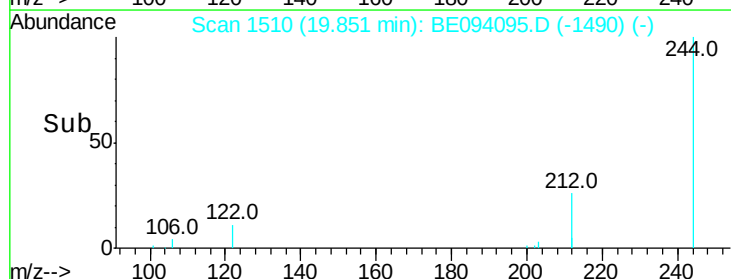
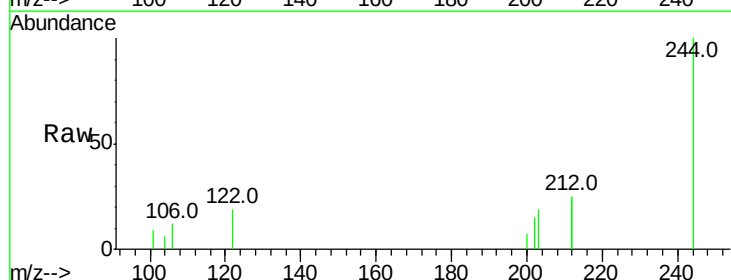
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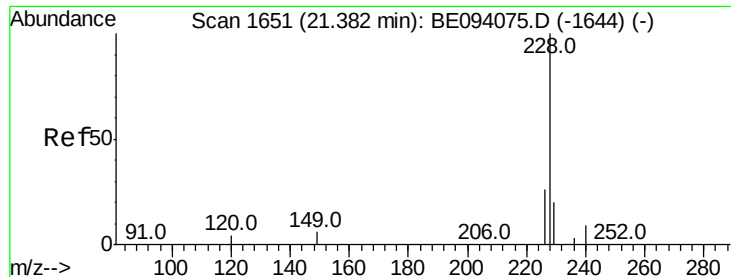
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#29
Terphenyl-d14
Concen: 0.140 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	50.6	25.4	38.0
122	19.0	8.1	12.1





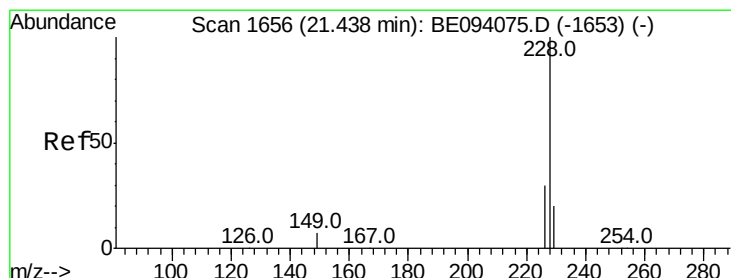
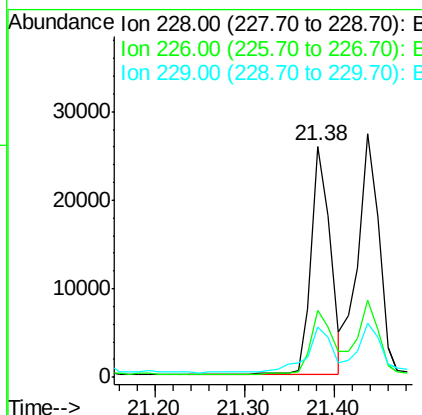
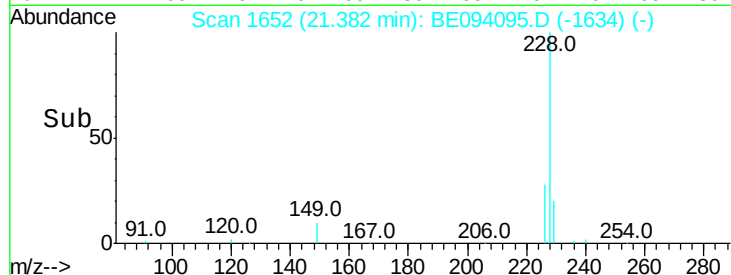
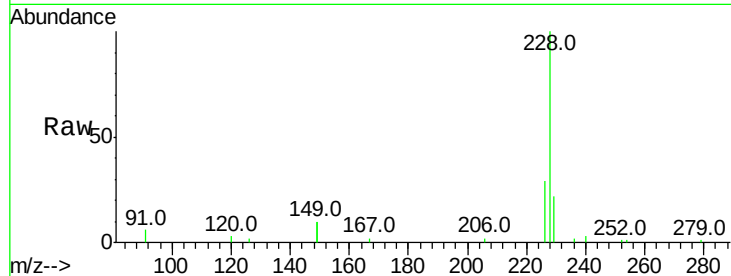
#30
Benzo(a)anthracene
Concen: 0.758 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampleId :
LT-TS-009

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.4	32.0
229	22.0	16.4	24.6

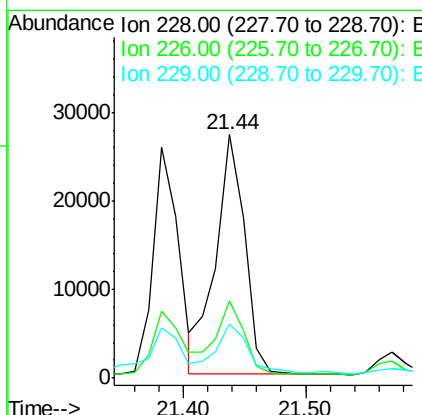
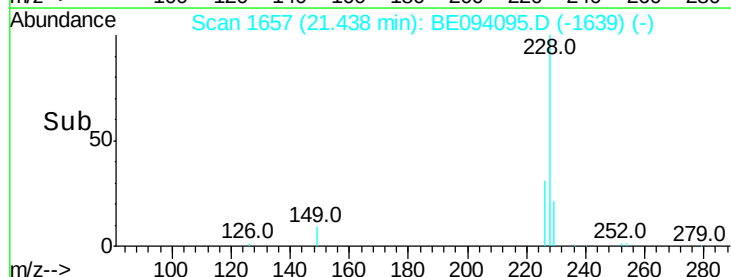
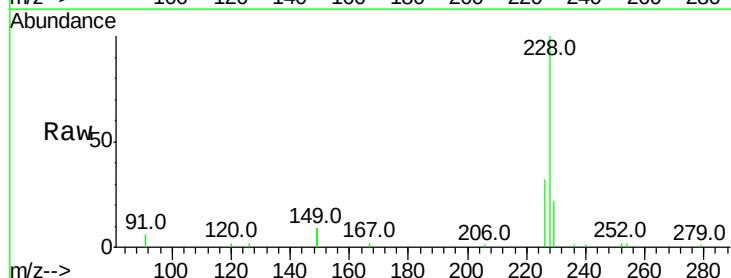
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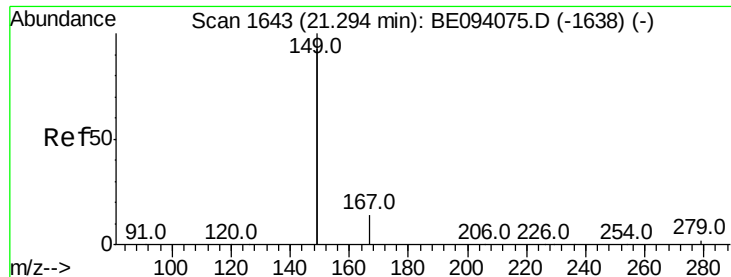
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#31
Chrysene
Concen: 0.899 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

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





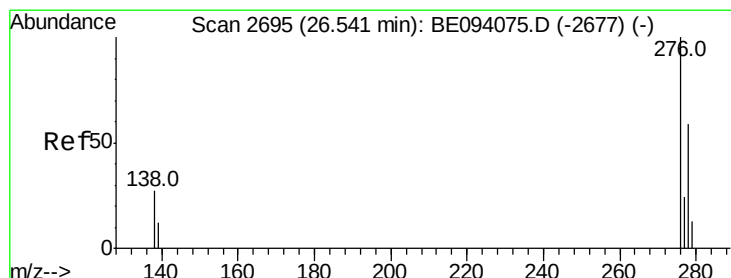
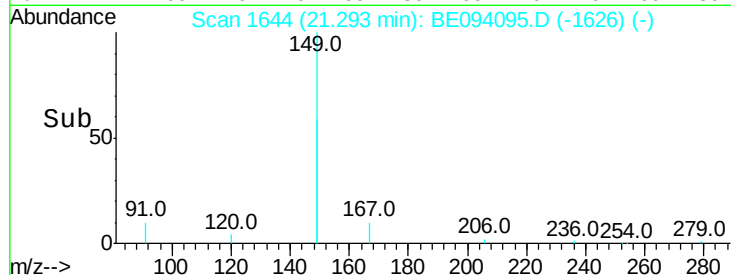
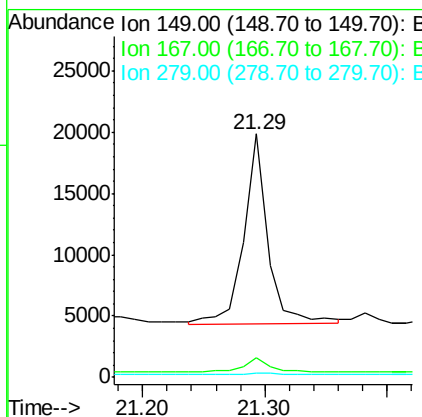
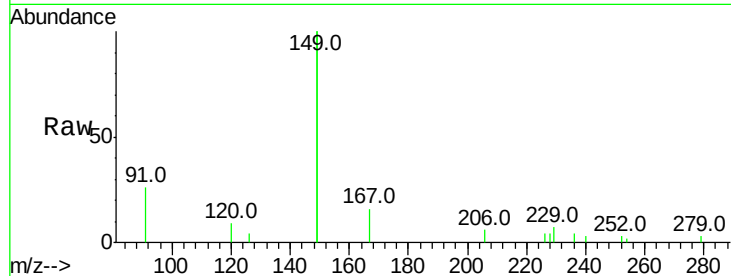
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.158 ng
 RT: 21.29 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-009

Tot Ion	Ratio	Resp	Lower	Upper
149	100	21412		
167	9.0	5.4	8.0#	
279	1.2	0.7	1.1#	

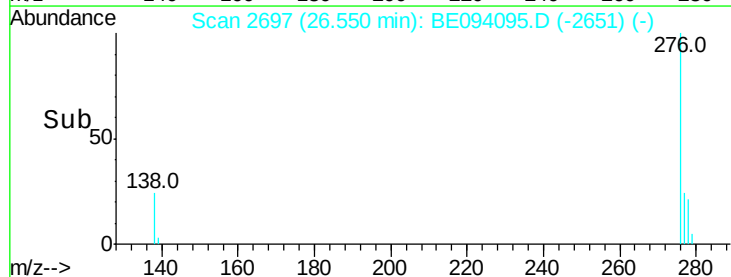
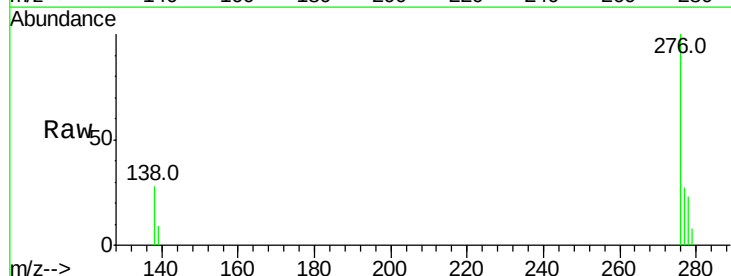
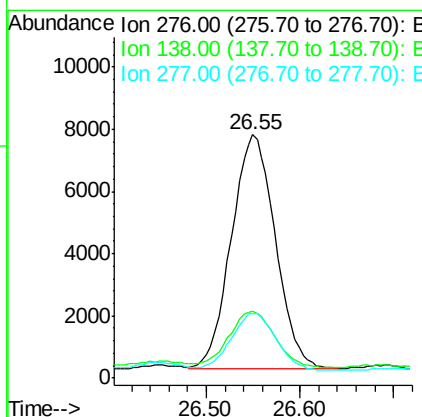
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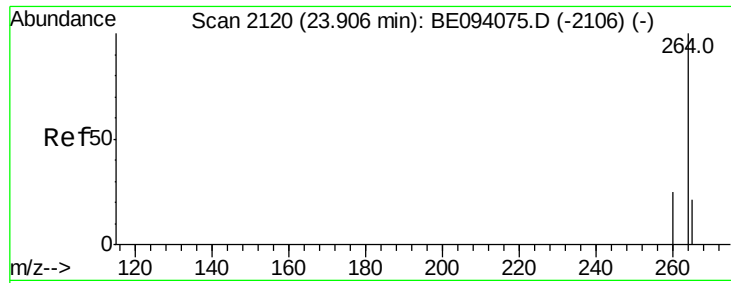
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.645 ng
 RT: 26.55 min Scan# 2697
 Delta R.T. 0.01 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	24615		
138	24.7	22.5	33.7	
277	24.9	19.9	29.9	





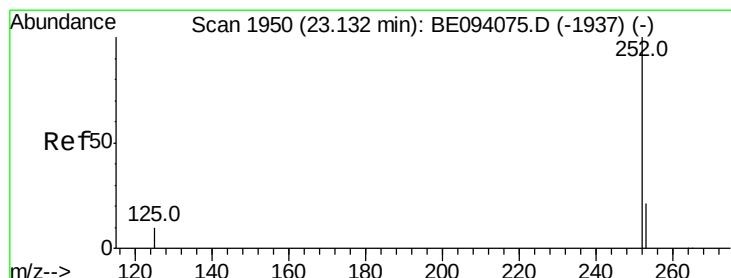
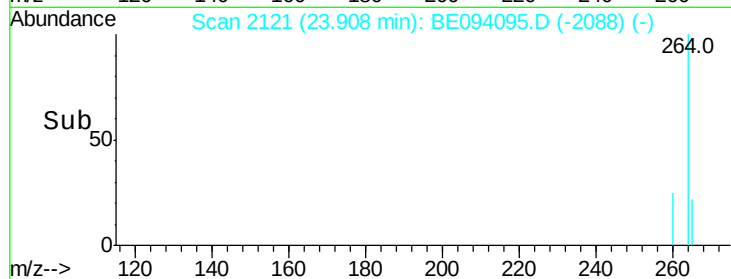
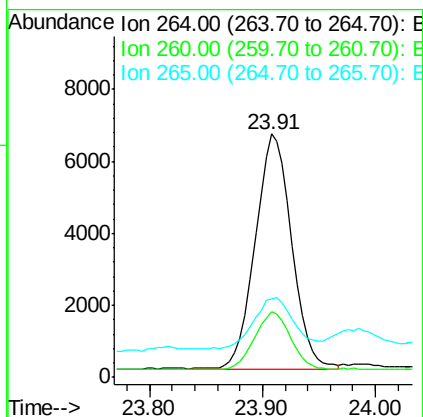
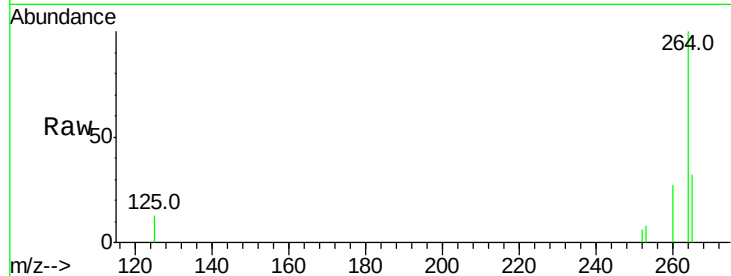
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-009

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.5	30.7
265	32.3	22.8	34.2

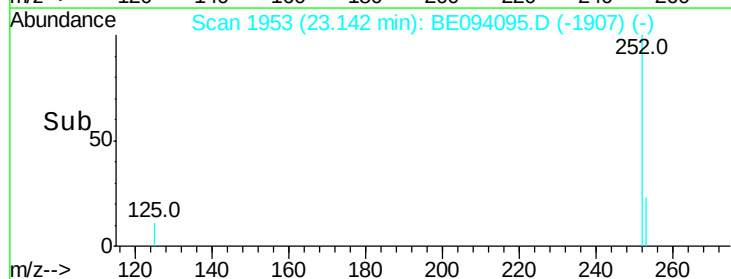
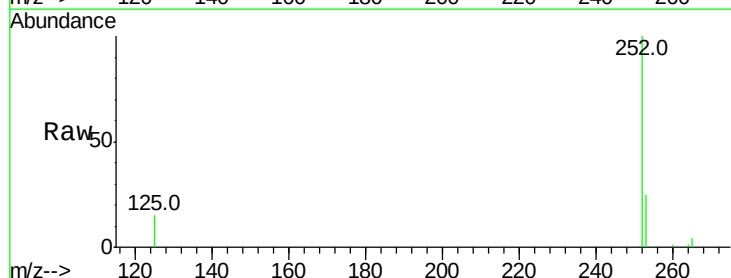
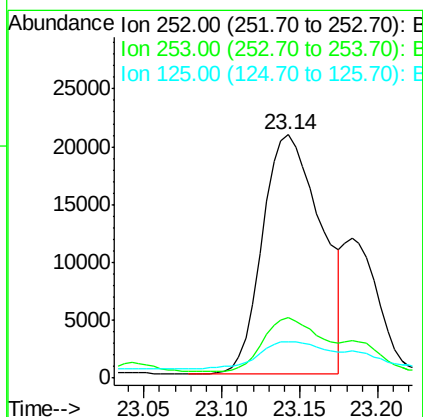
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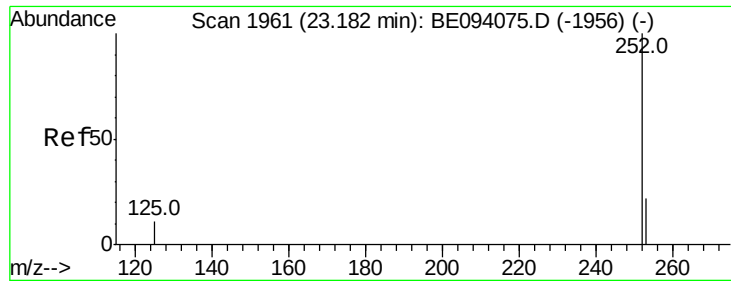
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#35
 Benzo(b)fluoranthene
 Concen: 1.033 ng
 RT: 23.14 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: BE094095.D
 Acq: 24 Sep 2017 1:42

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





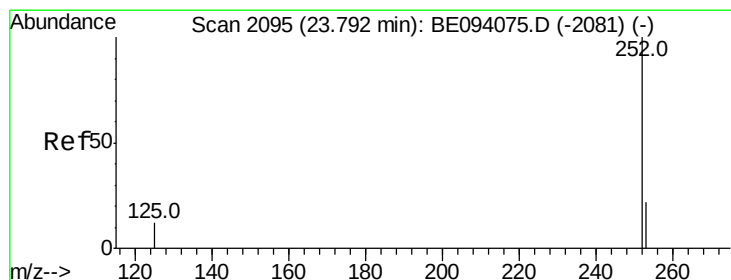
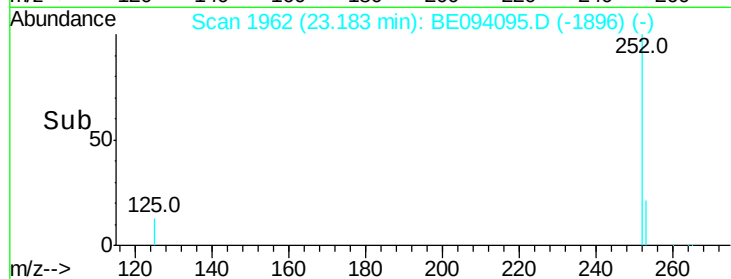
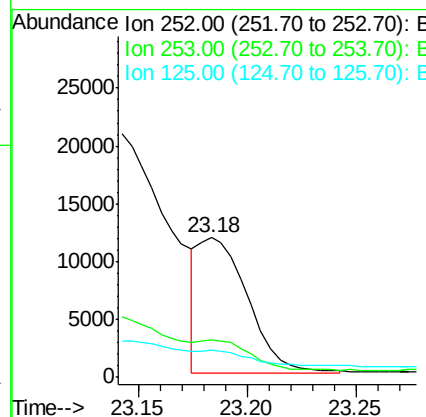
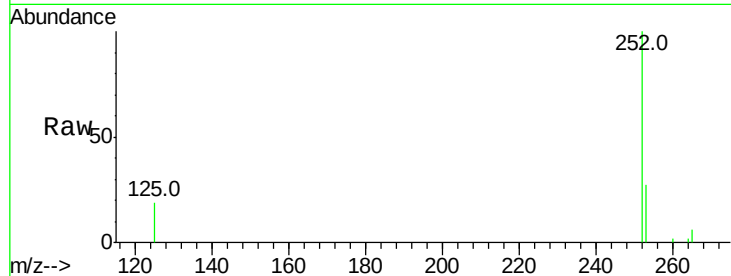
#36
Benzo(k)fluoranthene
Concen: 0.348 ng m
RT: 23.18 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampled :
LT-TS-009

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.6	27.8
125	19.3	10.7	16.1

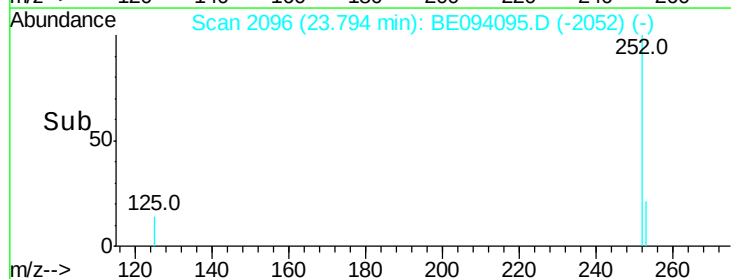
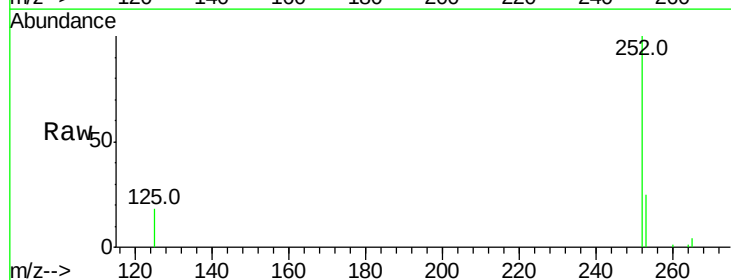
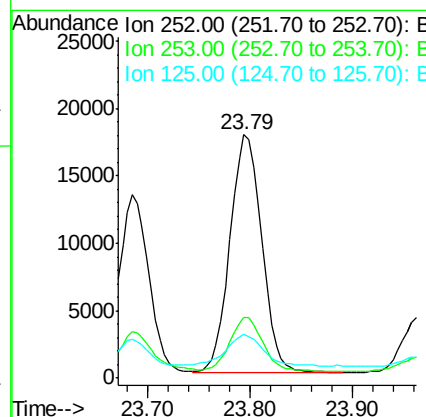
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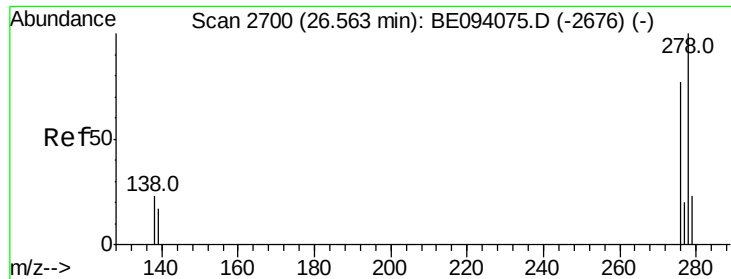
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#37
Benzo(a)pyrene
Concen: 0.806 ng
RT: 23.79 min Scan# 2096
Delta R.T. 0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.0	28.6
125	17.9	11.8	17.8





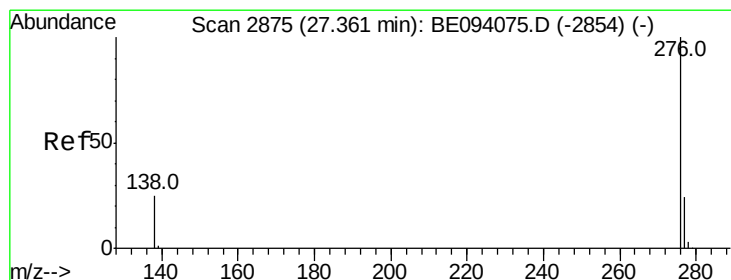
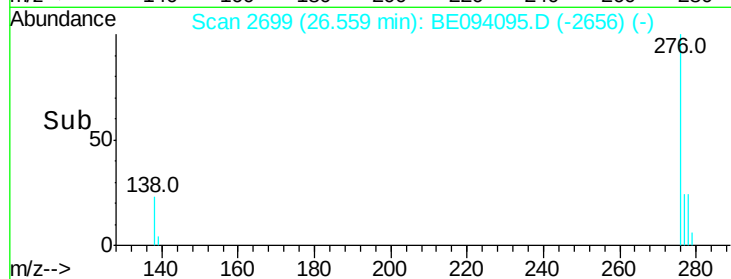
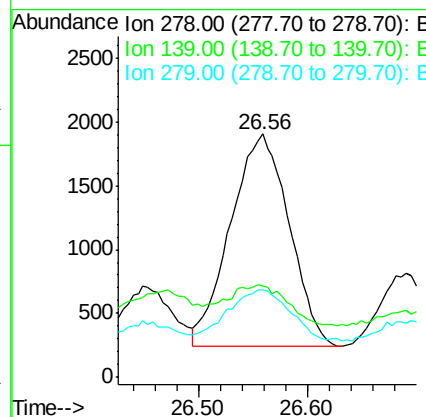
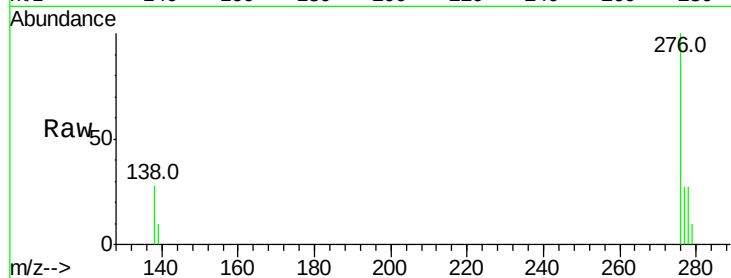
#38
Dibenzo(a,h)anthracene
Concen: 0.165 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.00 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Instrument :
BNA_E
ClientSampled :
LT-TS-009

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.4	16.3	24.5#
279	35.7	19.9	29.9#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.663 ng
RT: 27.37 min Scan# 2878
Delta R.T. 0.01 min
Lab File: BE094095.D
Acq: 24 Sep 2017 1:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	20.8	31.2
138	27.5	21.5	32.3

