

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094127.D
 Acq On : 26 Sep 2017 11:36
 Operator : SJ/JU
 Sample : I5340-04DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-004DL

Manual Integrations
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 9/27/2017 12:45:40 PM

Quant Time: Sep 26 17:20:52 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 17:37:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	465	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	2359	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	1524	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	6018m	0.40	ng	0.00
27) Chrysene-d12	21.40	240	4456	0.40	ng	0.00
34) Perylene-d12	23.91	264	4127	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	622	0.35	ng	0.00
5) Phenol-d6	7.10	99	745	0.30	ng	0.01
8) Nitrobenzene-d5	9.06	82	729	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	867	0.24	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	147	0.14	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1226	0.24	ng	0.01
25) Fluoranthene-d10	19.27	212	10517	0.18	ng	0.00
29) Terphenyl-d14	19.85	244	1663	0.20	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	1237	0.046	ng	# 83
12) 2-Methylnaphthalene	12.35	142	167	0.039	ng	# 79
16) Acenaphthylene	14.23	152	1643	0.215	ng	97
17) Acenaphthene	14.57	154	561	0.118	ng	93
18) Fluorene	15.56	166	750	0.116	ng	# 85
23) Phenanthrene	17.27	178	21816	1.417	ng	98
24) Anthracene	17.37	178	3925	0.243	ng	# 89
26) Fluoranthene	19.30	202	46835	2.715	ng	100
28) Pyrene	19.66	202	44259	3.135	ng	# 95
30) Benzo(a)anthracene	21.38	228	21172	1.411	ng	96
31) Chrysene	21.44	228	21150	1.461	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	15369	0.161	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	13292	0.858	ng	96
35) Benzo(b)fluoranthene	23.14	252	29672	1.993	ng	# 95
36) Benzo(k)fluoranthene	23.19	252	8720m	0.612	ng	
37) Benzo(a)pyrene	23.80	252	19930	1.481	ng	95
38) Dibenzo(a,h)anthracene	26.56	278	3200	0.251	ng	# 62
39) Benzo(a,h,i)perylene	27.38	276	13628	1.080	ng	97

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

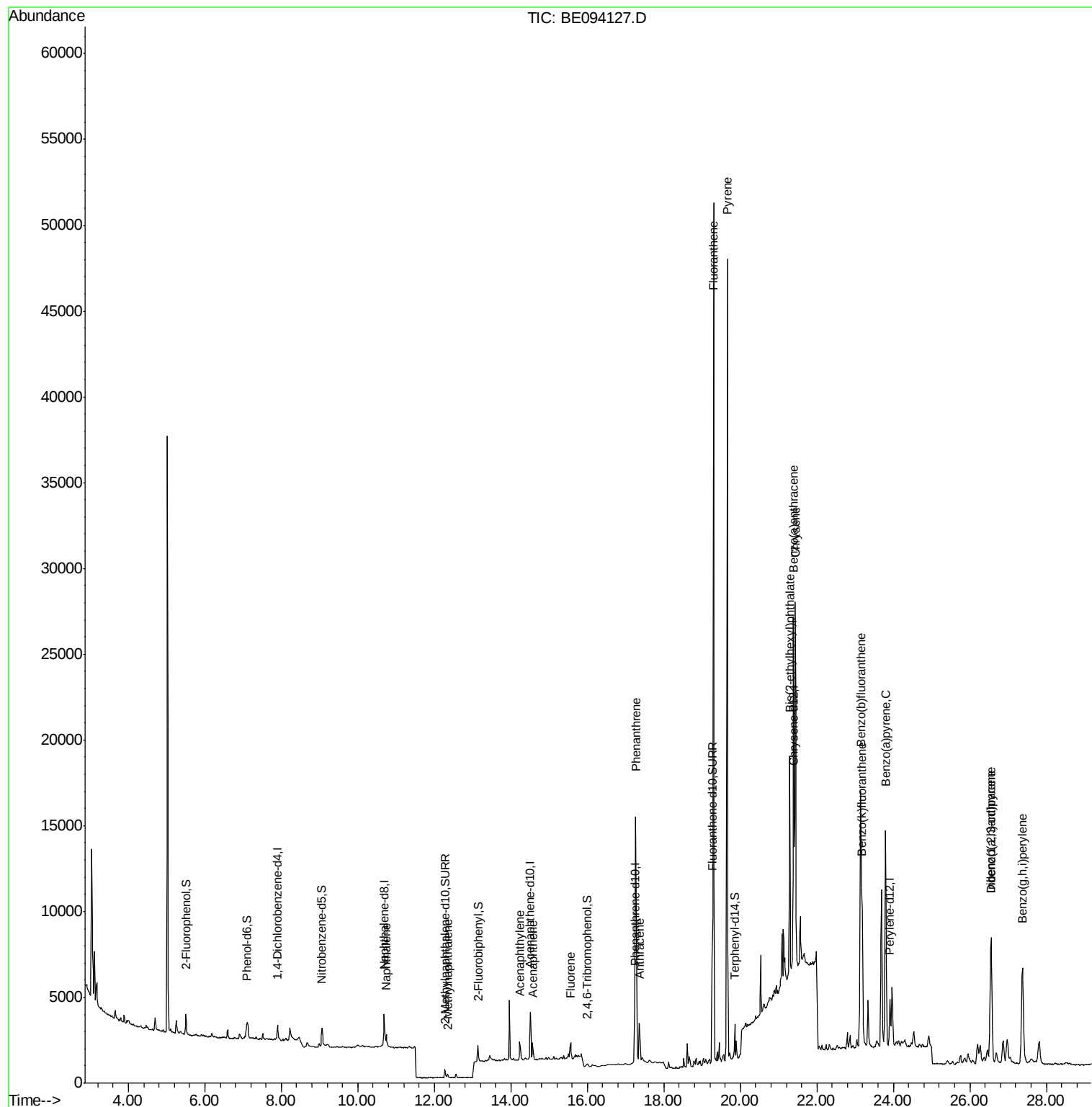
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
Data File : BE094127.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

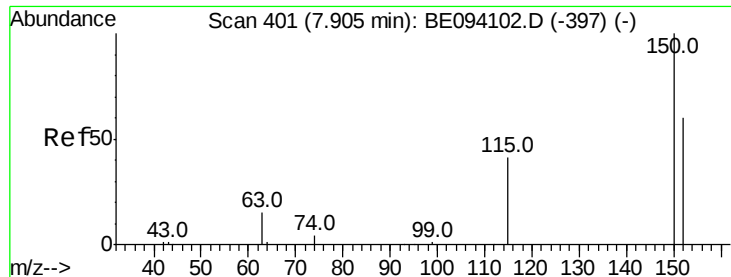
Instrument :
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ClientSampleId :
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Quant Time: Sep 26 17:20:52 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

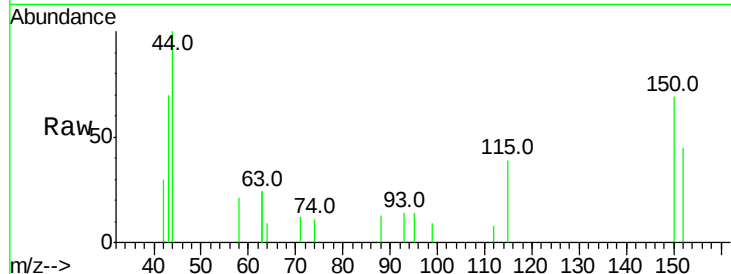
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

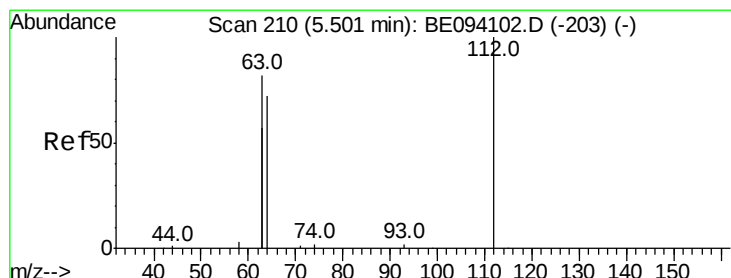
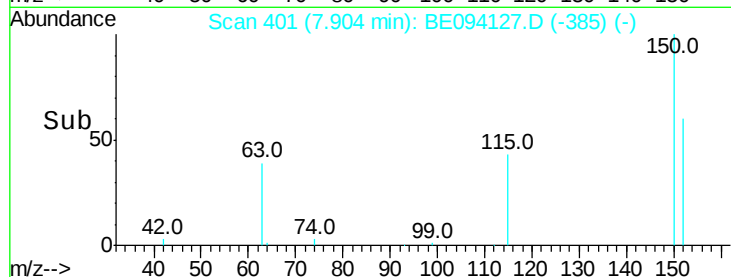
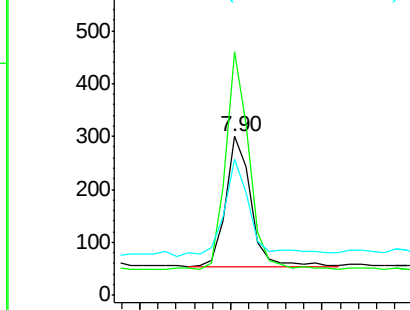
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	117.2	175.8
115	85.7	57.0	85.6

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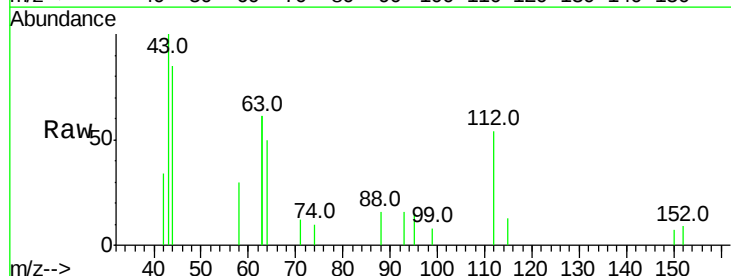
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



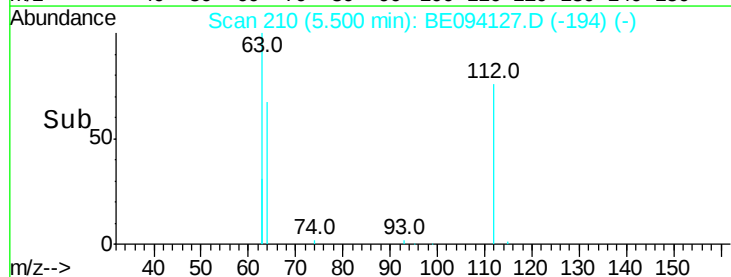
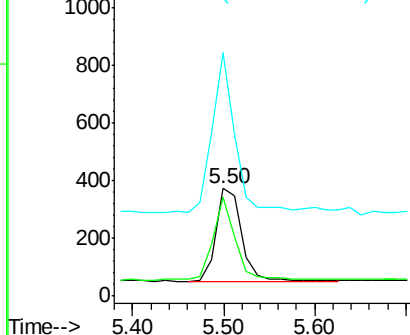
#4

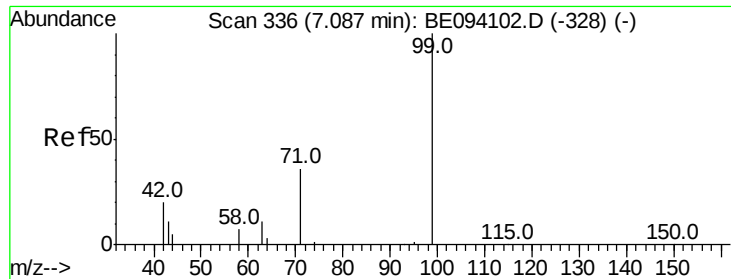
2-Fluorophenol
Concen: 0.353 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.3	60.1	90.1
63	155.0	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: 0.304 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Instrument :

BNA_E

ClientSampled :

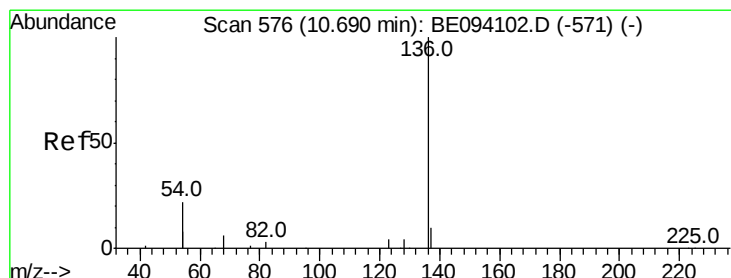
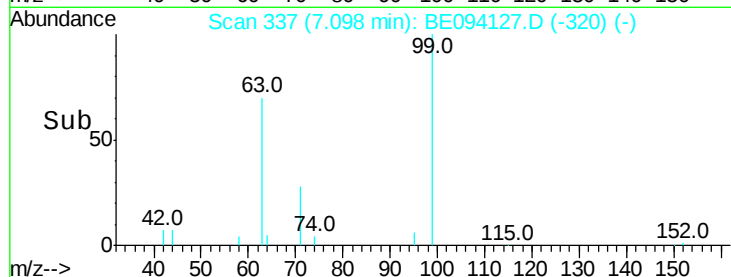
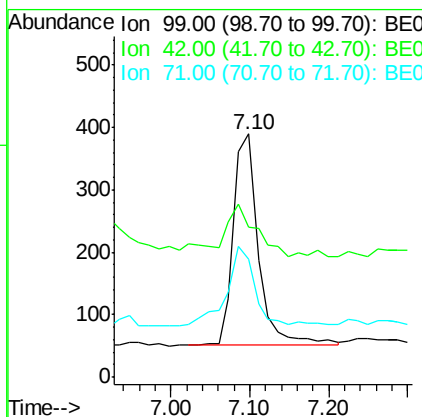
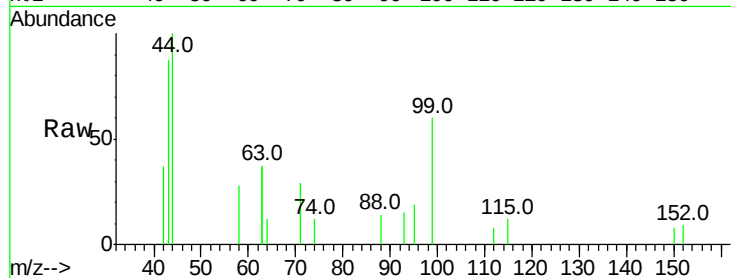
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Tot Ion:	99	Resp:	745
Ion	Ratio	Lower	Upper
99	100		
42	32.3	20.2	30.2#
71	41.3	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

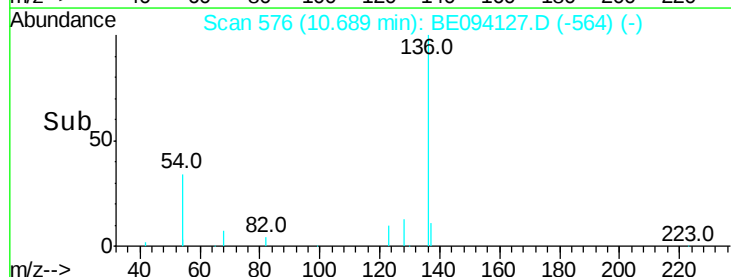
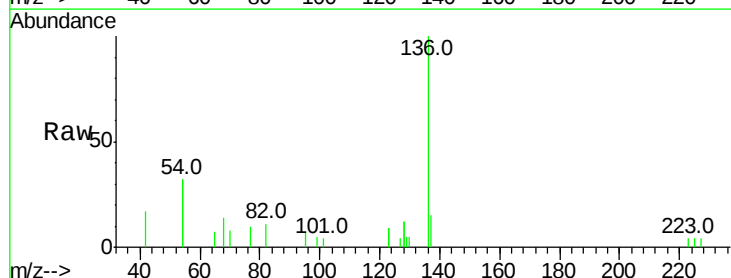
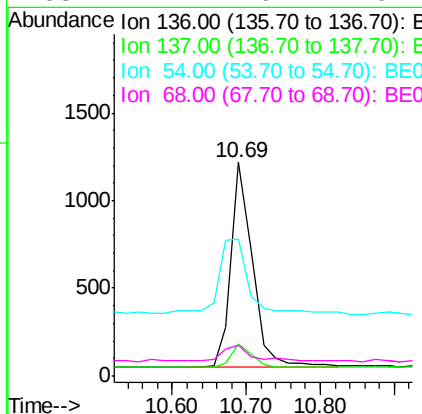
RT: 10.69 min Scan# 576

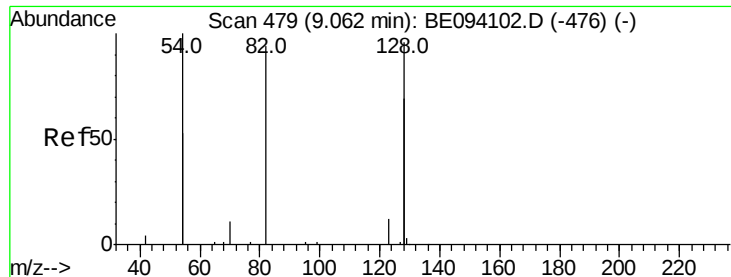
Delta R.T. -0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Tgt Ion:	136	Resp:	2359
Ion	Ratio	Lower	Upper
136	100		
137	14.8	9.5	14.3#
54	64.4	29.1	43.7#
68	14.4	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.319 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Instrument :

BNA_E

ClientSampleId :

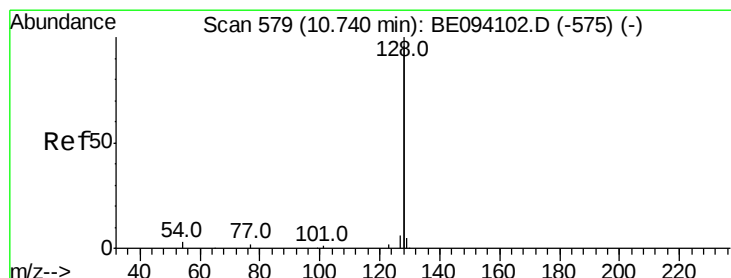
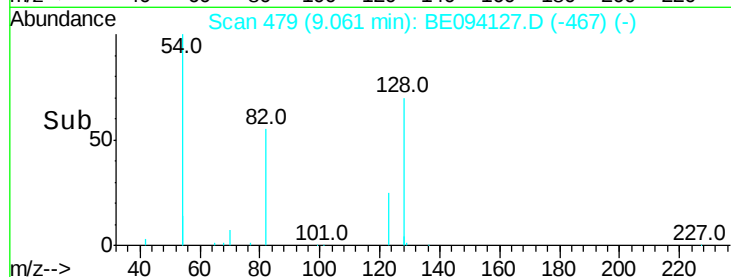
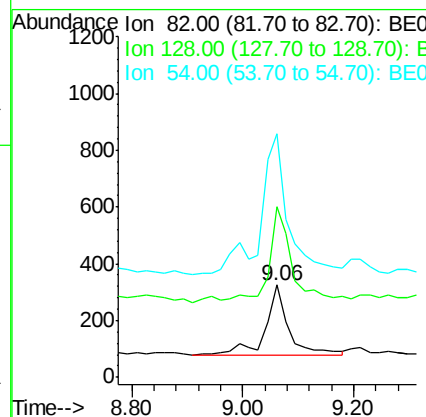
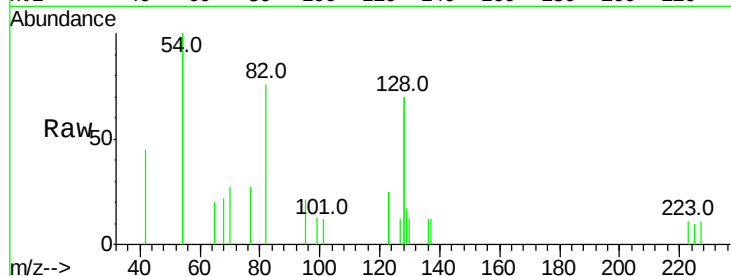
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Tot Ion:	82	Resp:	729
Ion	Ratio	Lower	Upper
82	100		
128	185.2	150.0	225.0
54	264.8	154.2	231.4#

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#9

Naphthalene

Concen: 0.046 ng

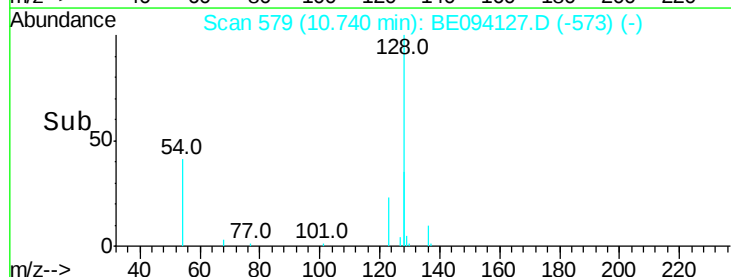
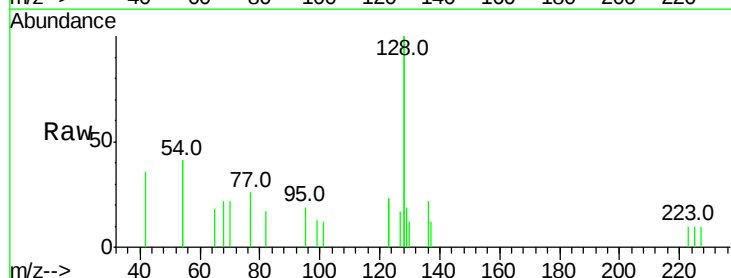
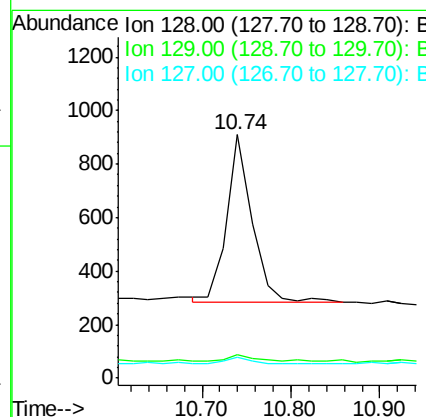
RT: 10.74 min Scan# 579

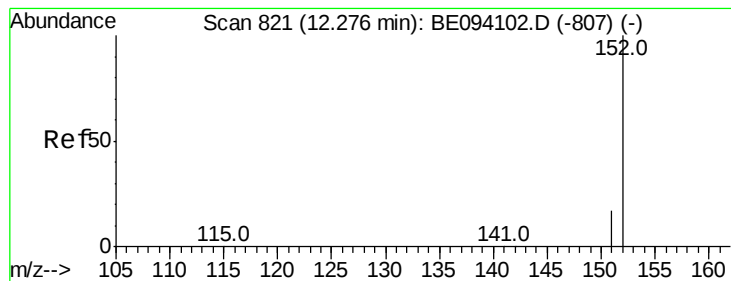
Delta R.T. -0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Tgt Ion:	128	Resp:	1237
Ion	Ratio	Lower	Upper
128	100		
129	9.6	2.6	3.8#
127	8.7	2.8	4.2#





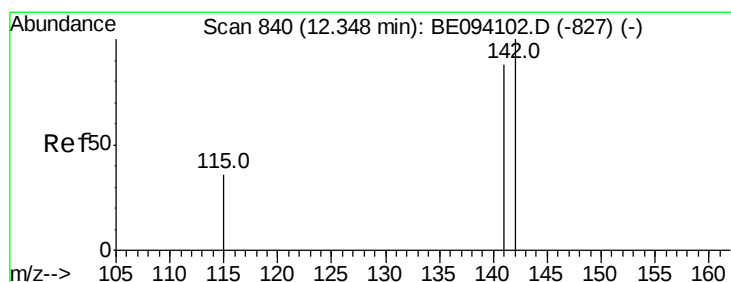
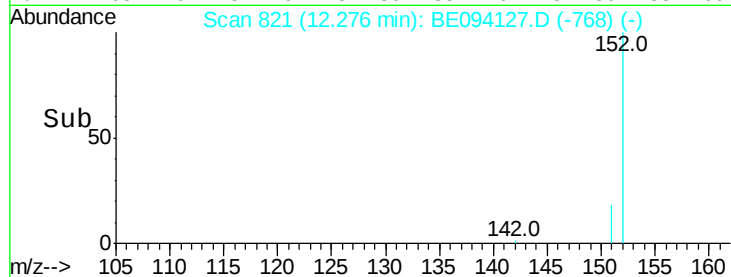
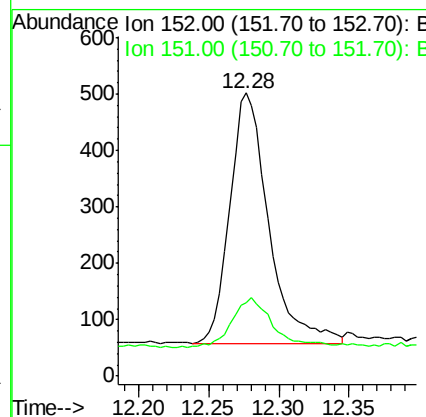
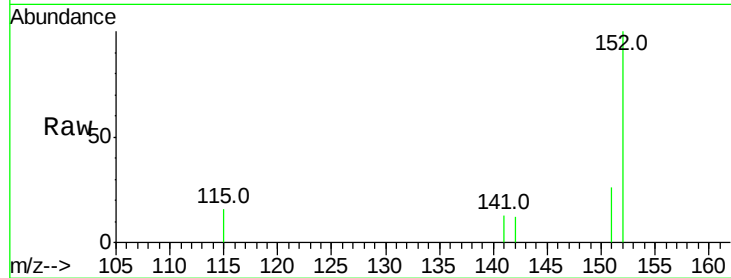
#11
 2-Methylnaphthalene-d10
 Concen: 0.239 ng
 RT: 12.28 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BE094127.D
 Acq: 26 Sep 2017 11:36

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.0

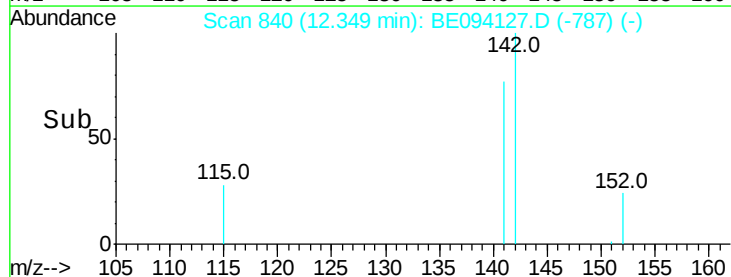
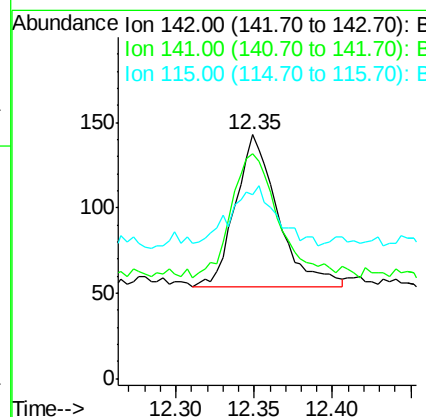
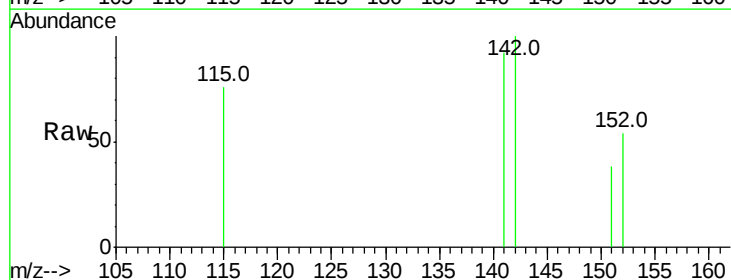
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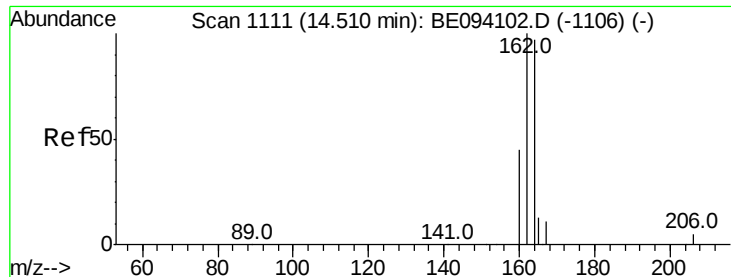
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#12
 2-Methylnaphthalene
 Concen: 0.039 ng
 RT: 12.35 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BE094127.D
 Acq: 26 Sep 2017 11:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	70.4	105.6
115	75.5	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: BE094127.D

Acq: 26 Sep 2017 11:36

Instrument :

BNA_E

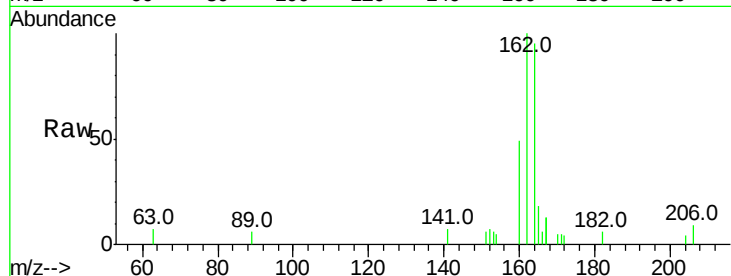
ClientSampleId :

LT-TS-004DL

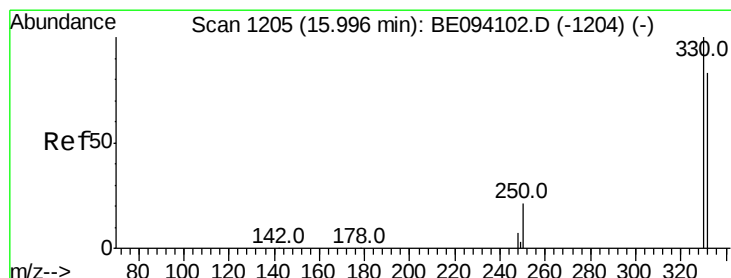
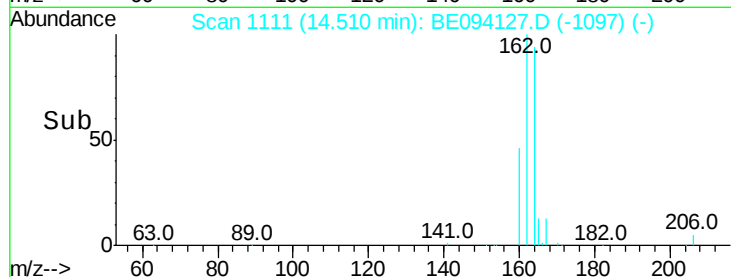
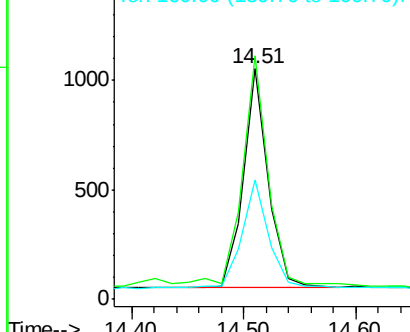
Tot Ion:	164	Resp:	1524
Ion Ratio	Lower	Upper	
164	100		
162	105.7	83.1	124.7
160	51.6	37.1	55.7

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.144 ng

RT: 16.00 min Scan# 1205

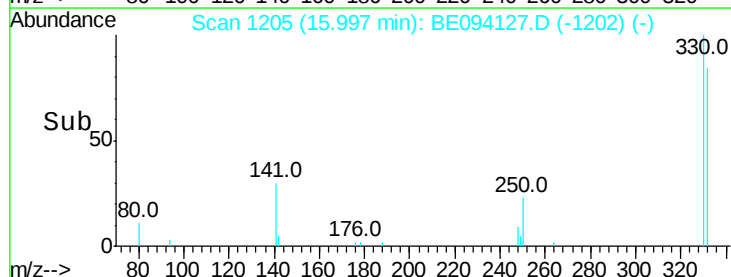
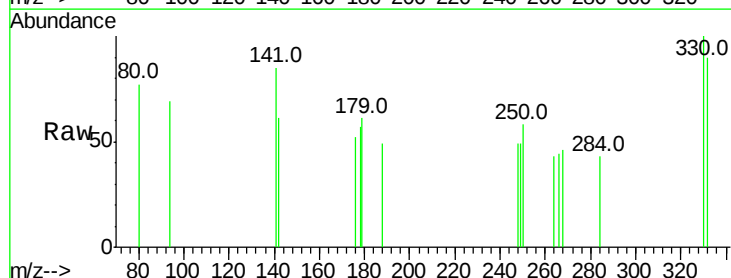
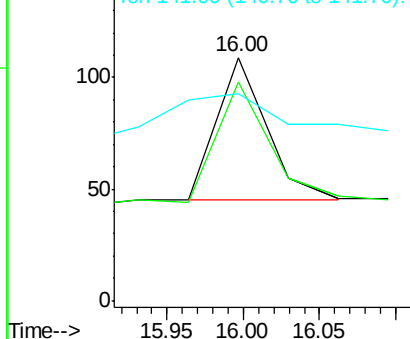
Delta R.T. 0.00 min

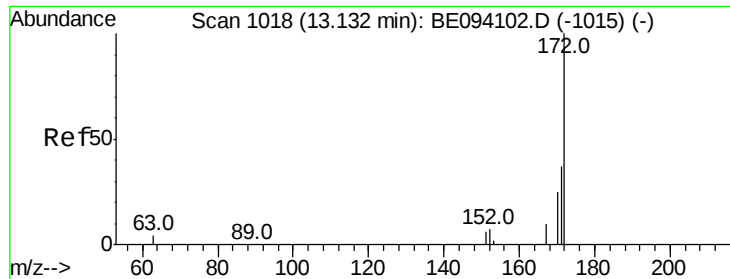
Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Tgt Ion:	330	Resp:	147
Ion Ratio	Lower	Upper	
330	100		
332	90.5	152.7	229.1#
141	0.0	33.7	50.5#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





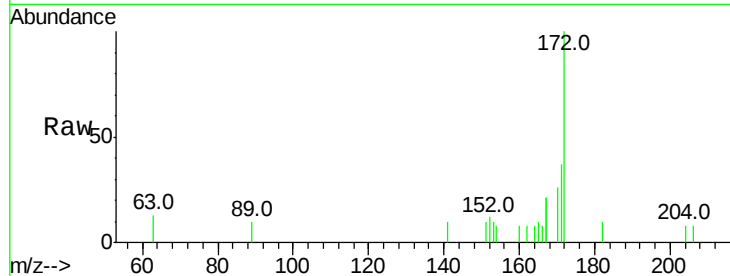
#15
2-Fluorobiphenyl
Concen: 0.243 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

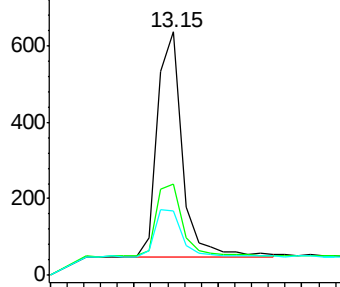
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	26.4	21.8	32.8

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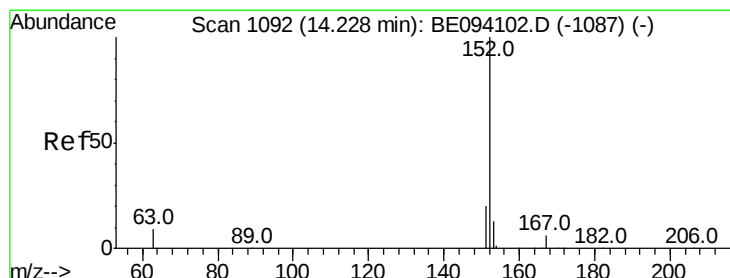
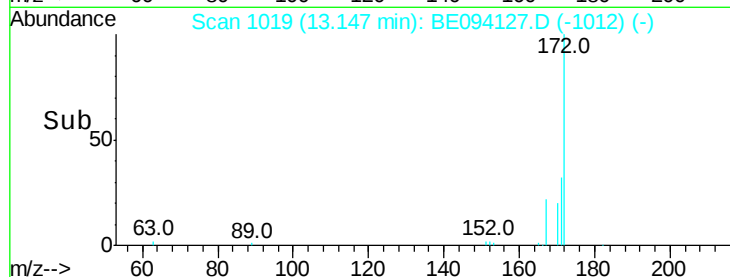
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

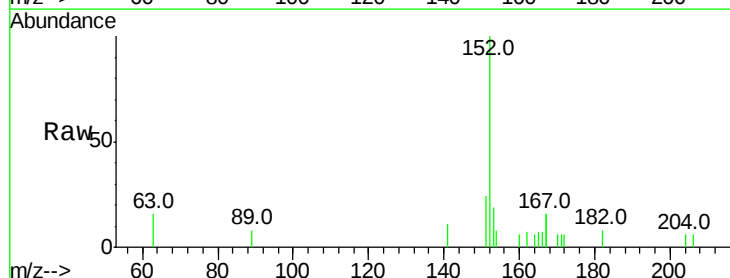


Time--> 13.00 13.10 13.20 13.30

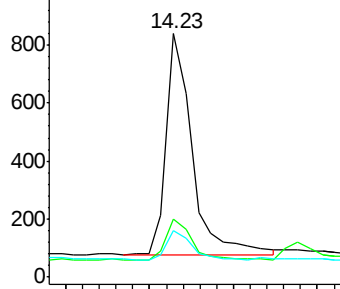


#16
Acenaphthylene
Concen: 0.215 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

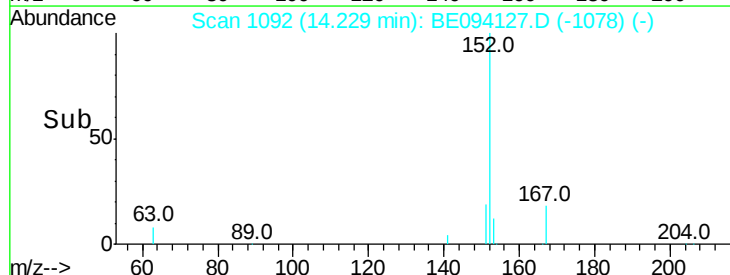
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.0	15.7	23.5
153	12.5	10.5	15.7

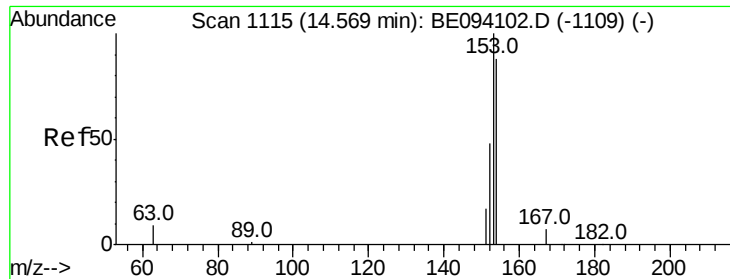


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time--> 14.10 14.20 14.30 14.40





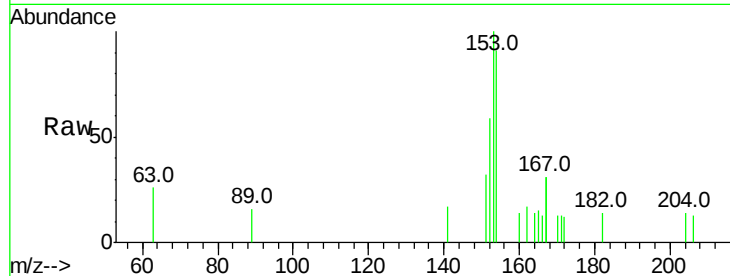
#17
Acenaphthene
Concen: 0.118 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

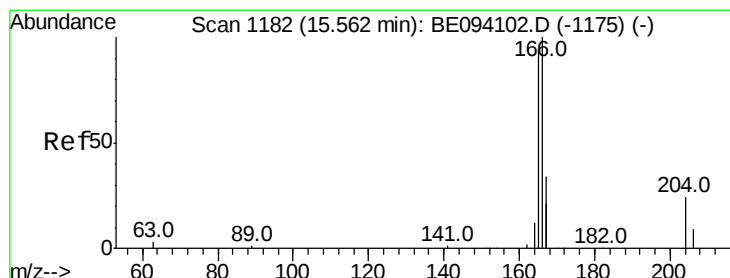
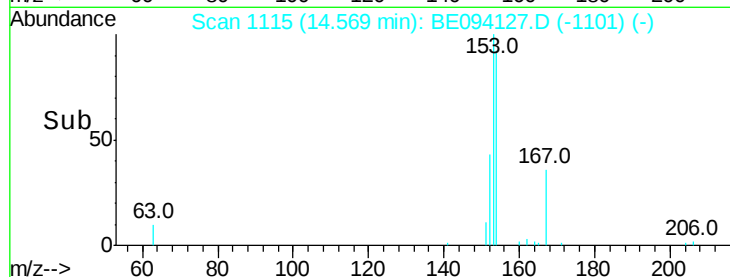
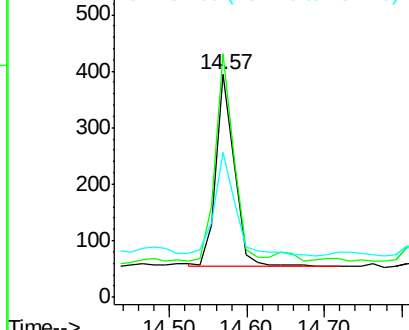
Tot Ion	Ratio	Lower	Upper
154	100		
153	107.7	89.2	133.8
152	62.6	42.0	63.0

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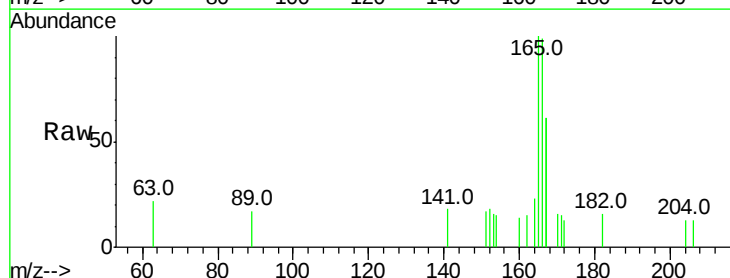


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

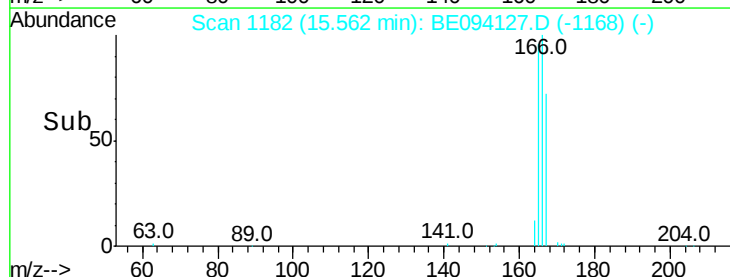
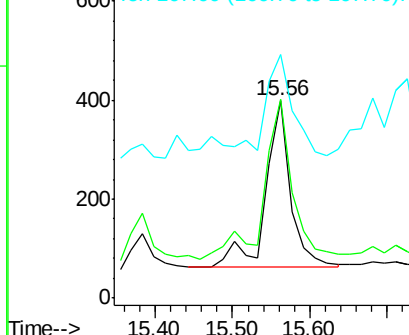


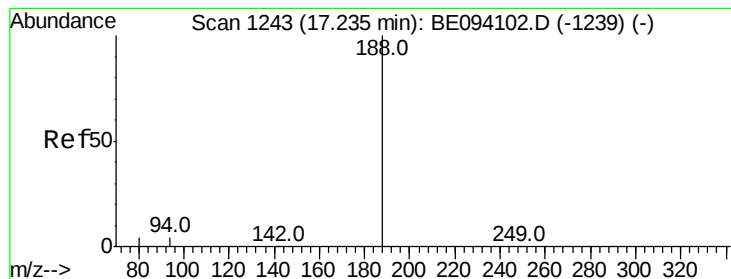
#18
Fluorene
Concen: 0.116 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.7	77.8	116.6
167	66.1	42.4	63.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng/mL

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Instrument :

BNA_E

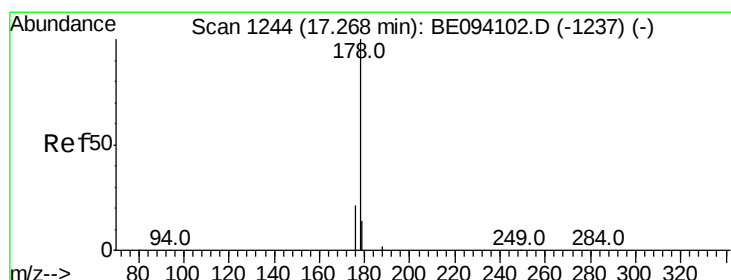
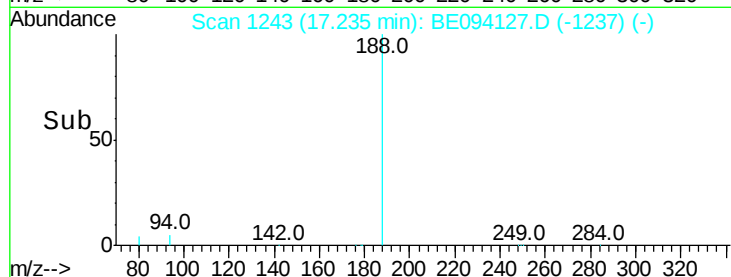
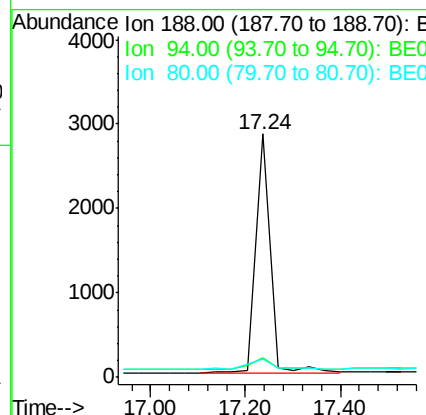
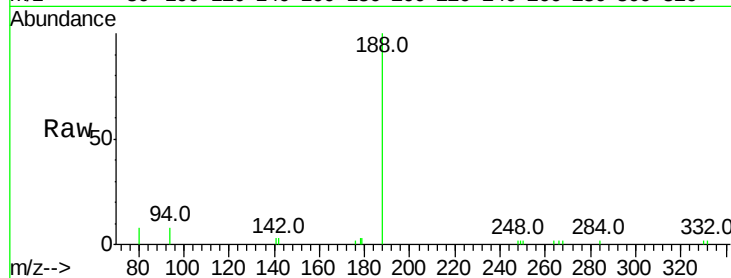
ClientSampleId :

LT-TS-004DL

Tot Ion:	188	Resp:	6018
Ion Ratio	Lower	Upper	
188	100		
94	7.9	3.9	5.9#
80	7.6	3.6	5.4#

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#23

Phenanthrene

Concen: 1.417 ng/mL

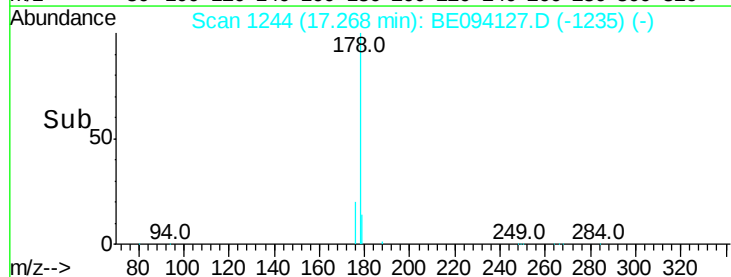
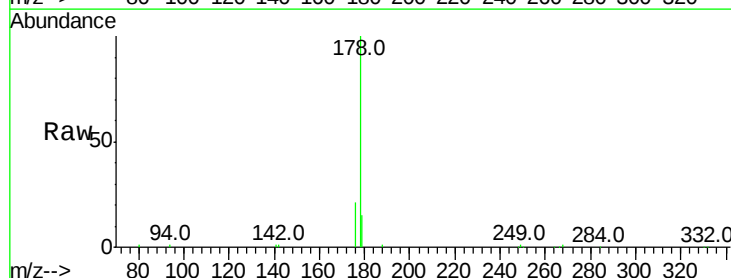
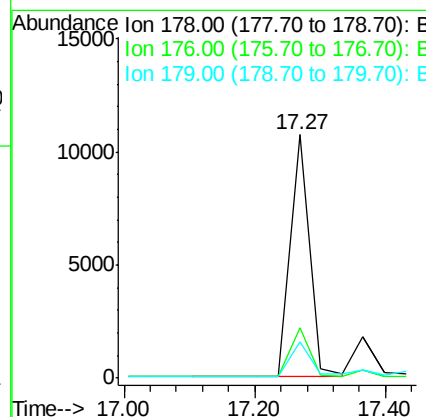
RT: 17.27 min Scan# 1244

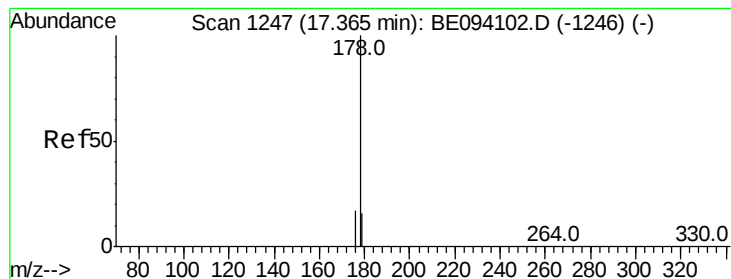
Delta R.T. 0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Tgt Ion:	178	Resp:	21816
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.1	22.7
179	15.7	11.8	17.6





#24

Anthracene

Concen: 0.243 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Instrument :

BNA_E

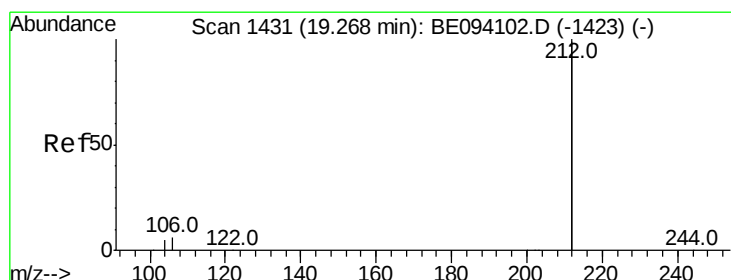
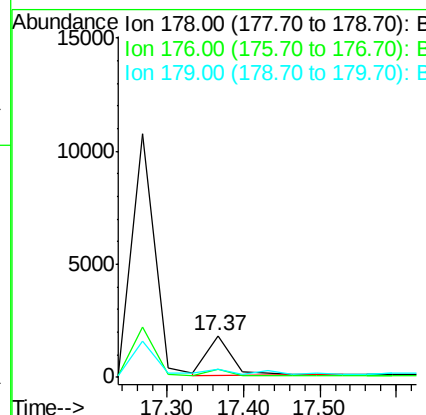
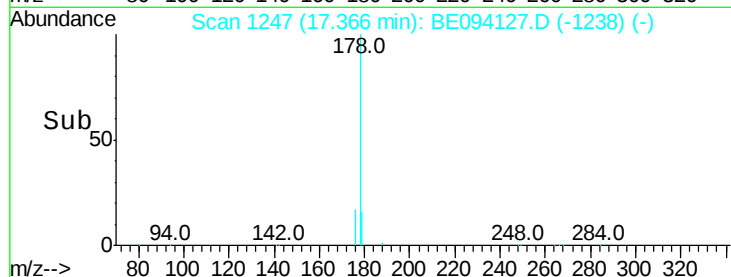
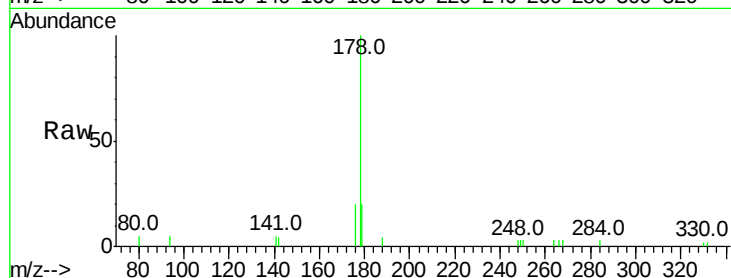
ClientSampled :

LT-TS-004DL

Tot Ion:178	Resp:	3925
Ion Ratio	Lower	Upper
178 100		
176 16.0	12.8	19.2
179 25.3	13.0	19.6#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.180 ng

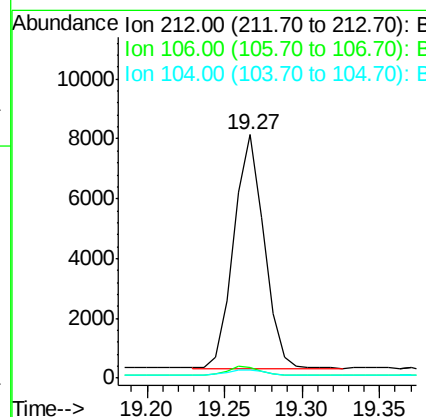
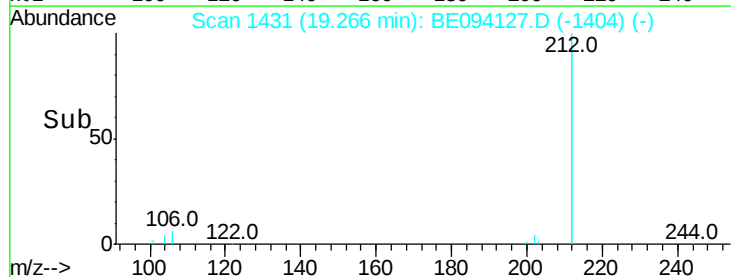
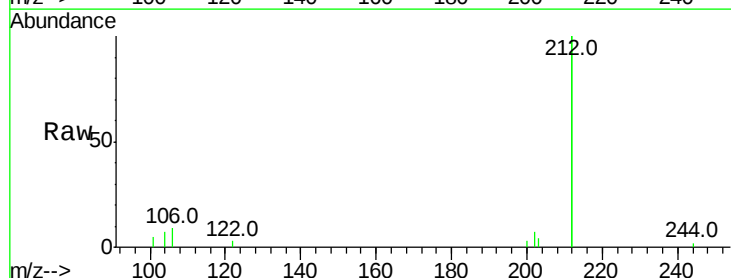
RT: 19.27 min Scan# 1431

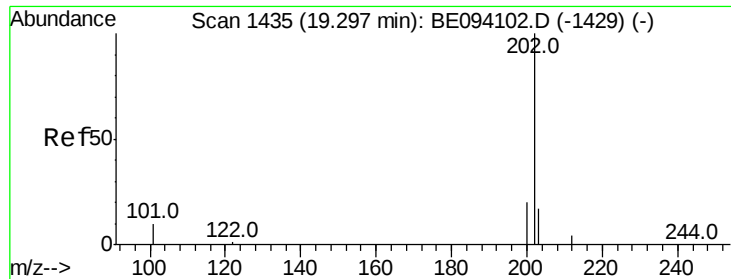
Delta R.T. -0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Tgt Ion:212	Resp:	10517
Ion Ratio	Lower	Upper
212 100		
106 3.8	2.8	4.2
104 2.9	1.6	2.4#





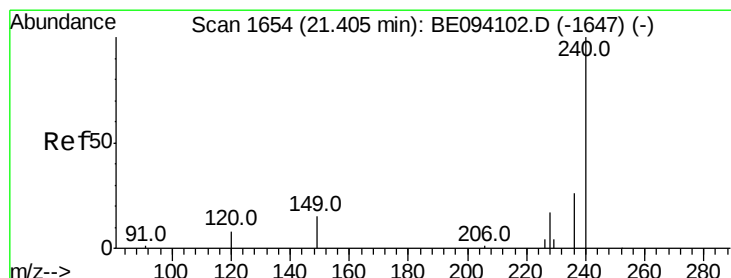
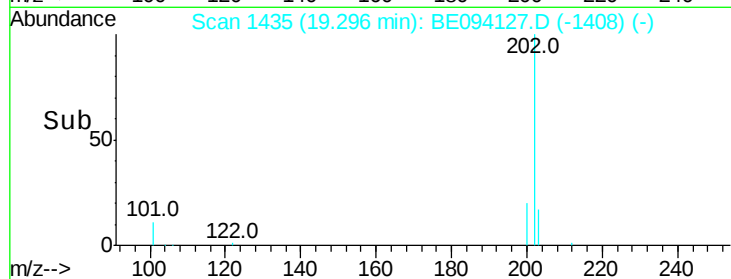
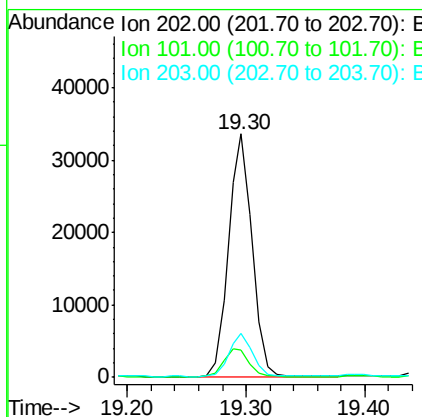
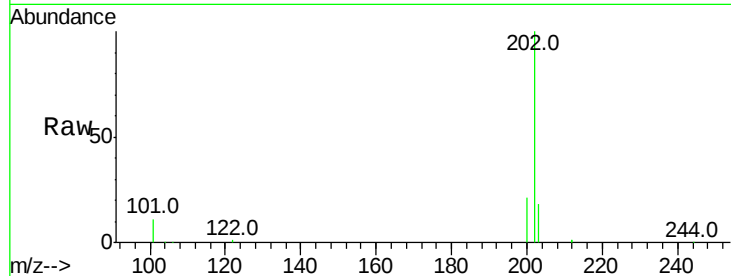
#26
 Fluoranthene
 Concen: 2.715 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094127.D
 Acq: 26 Sep 2017 11:36

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-004DL

Tot Ion:	202	Resp:	46835
Ion Ratio	Lower	Upper	
202	100		
101	12.2	9.8	14.8
203	17.3	13.7	20.5

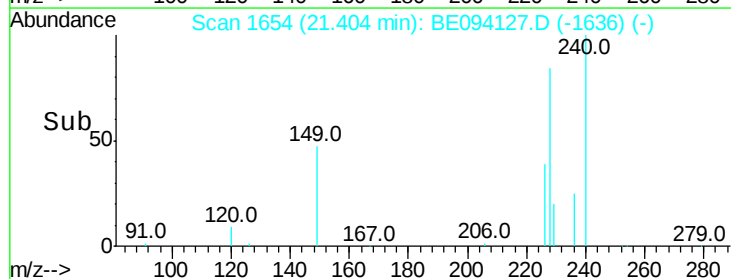
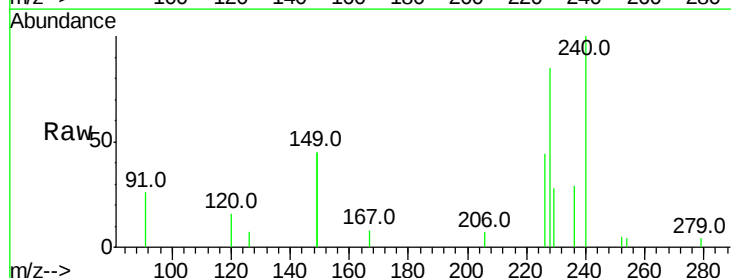
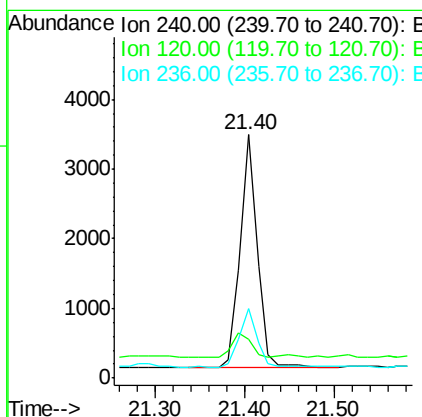
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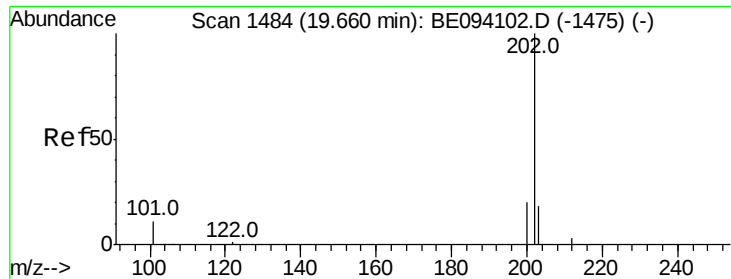
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094127.D
 Acq: 26 Sep 2017 11:36

Tgt Ion:	240	Resp:	4456
Ion Ratio	Lower	Upper	
240	100		
120	16.0	5.5	8.3#
236	28.8	20.7	31.1





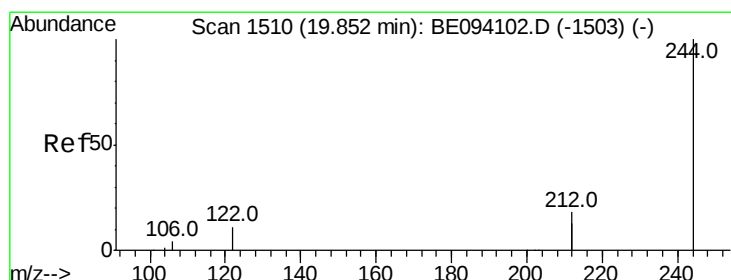
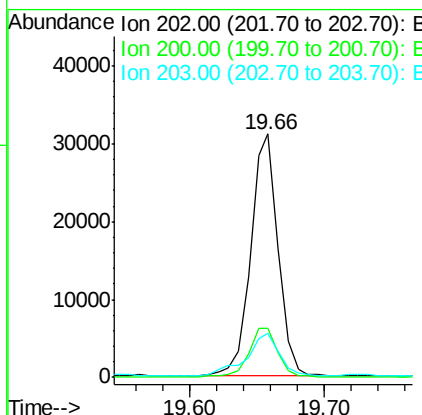
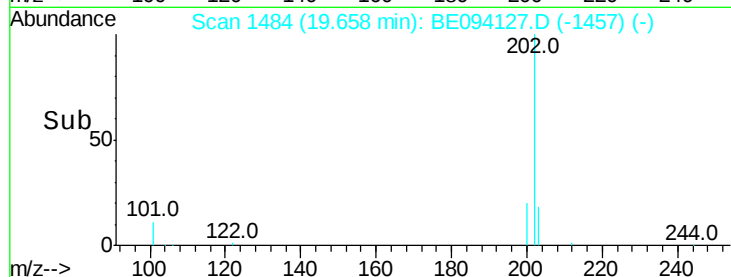
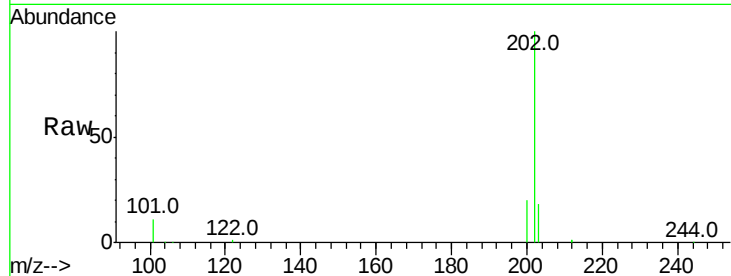
#28
Pvrene
Concen: 3.135 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	44259		
200	21.0		16.6	25.0
203	21.5		13.8	20.8

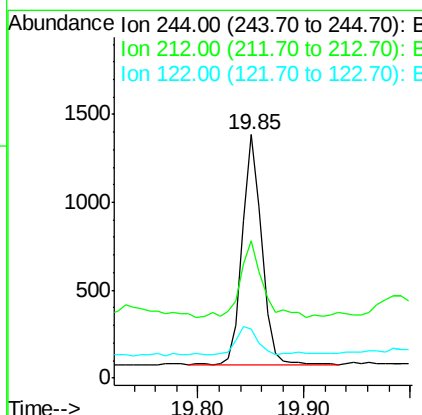
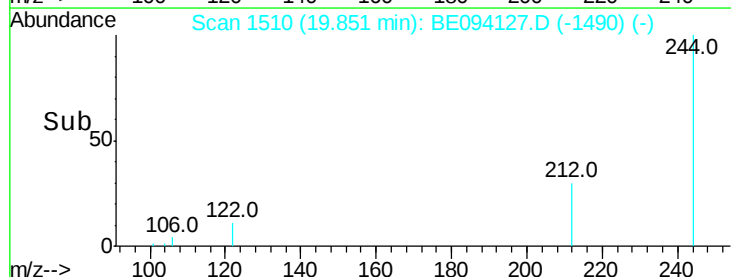
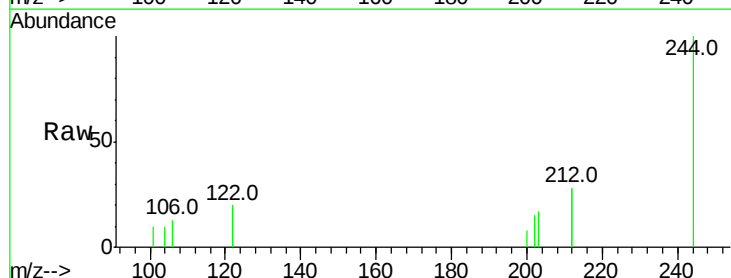
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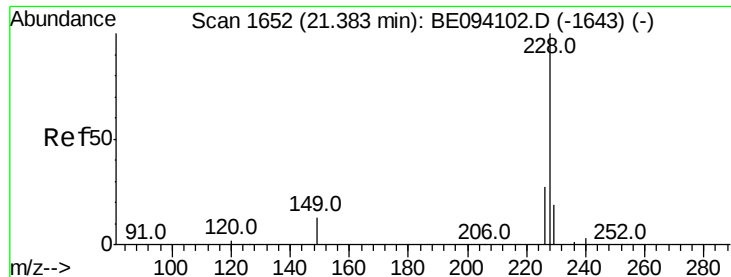
Sohil
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#29
Terphenyl-d14
Concen: 0.205 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1663		
212	56.3		25.4	38.0
122	20.1		8.1	12.1





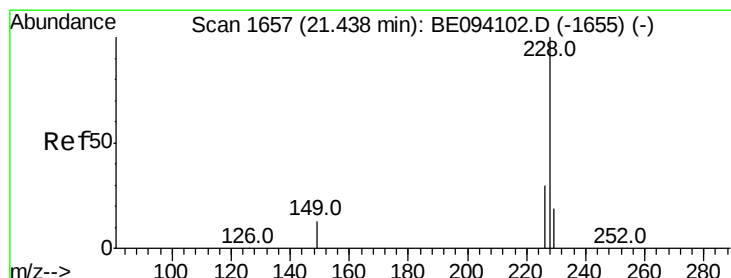
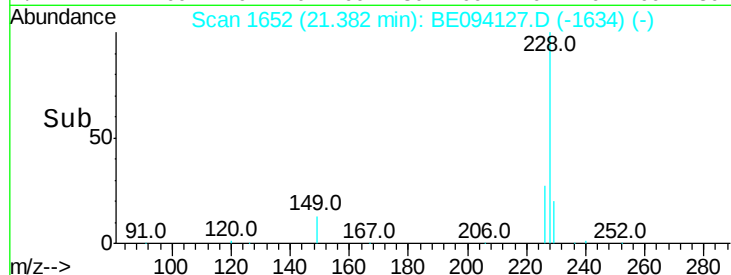
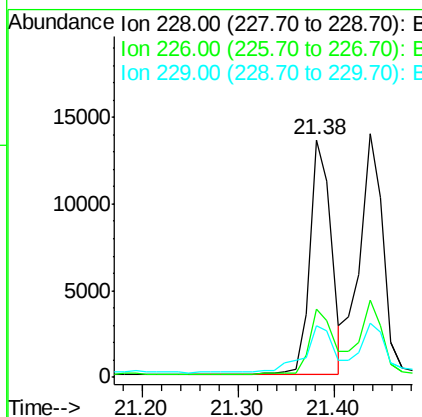
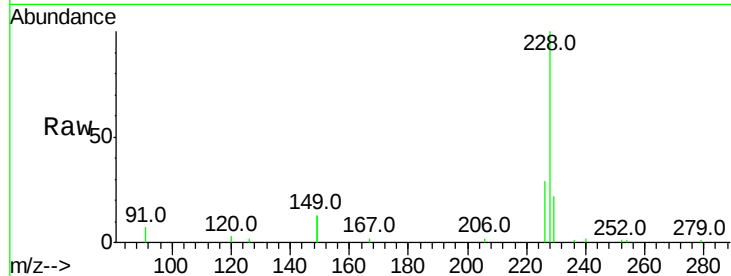
#30
Benzo(a)anthracene
Concen: 1.411 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.0
229	21.9	16.4	24.6

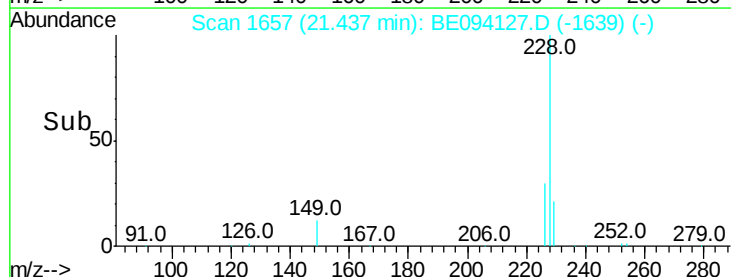
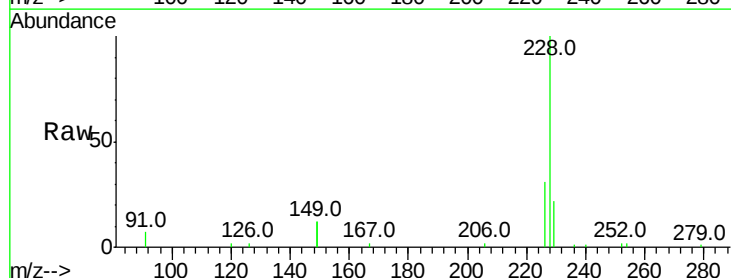
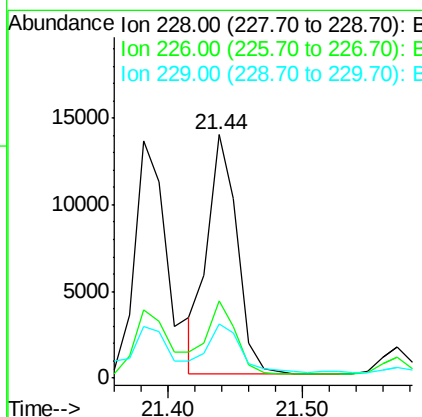
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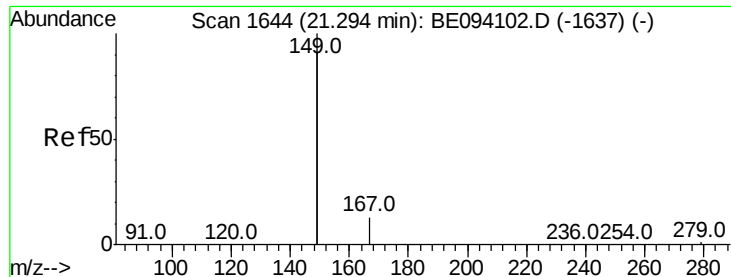
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#31
Chrysene
Concen: 1.461 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.6	35.4
229	22.4	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.161 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Instrument :

BNA_E

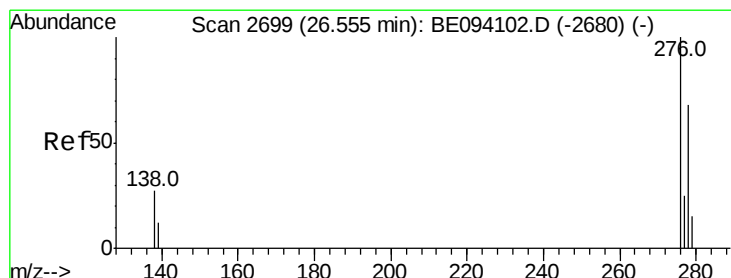
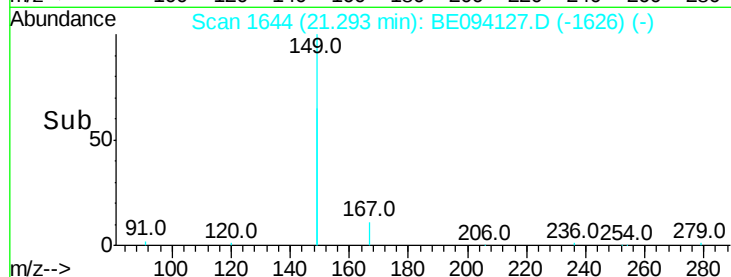
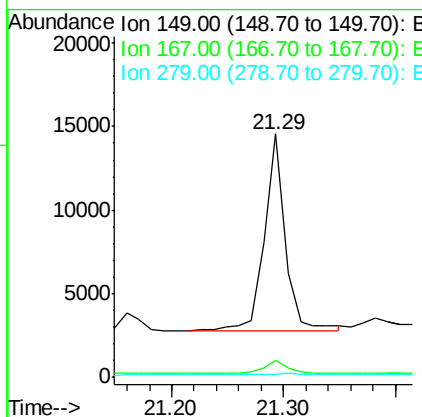
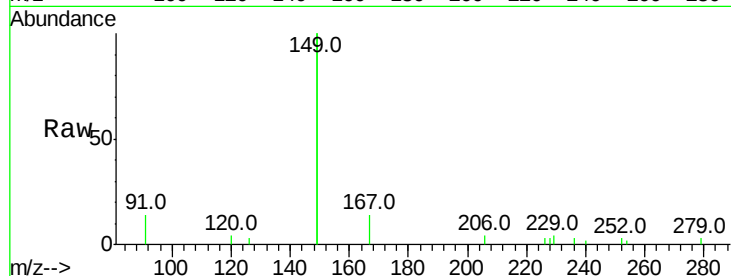
ClientSampleId :

LT-TS-004DL

Tot Ion:	149	Resp:	15369
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.4	8.0
279	1.0	0.7	1.1

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.858 ng

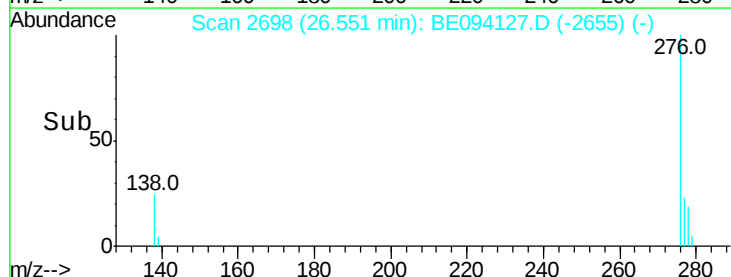
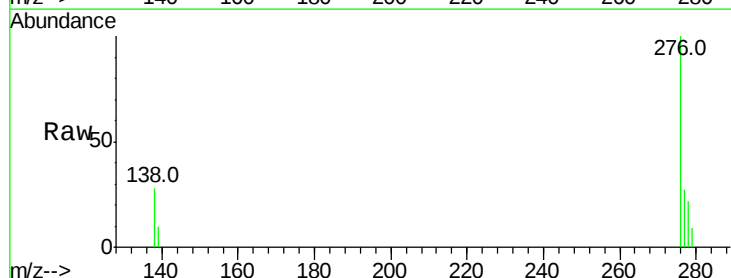
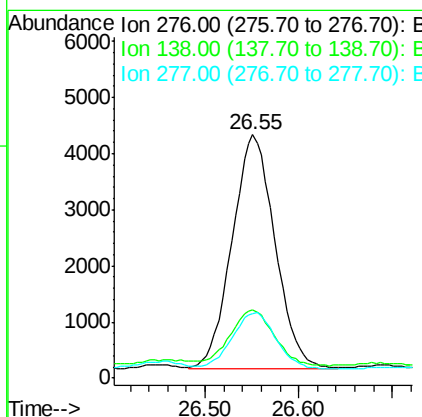
RT: 26.55 min Scan# 2698

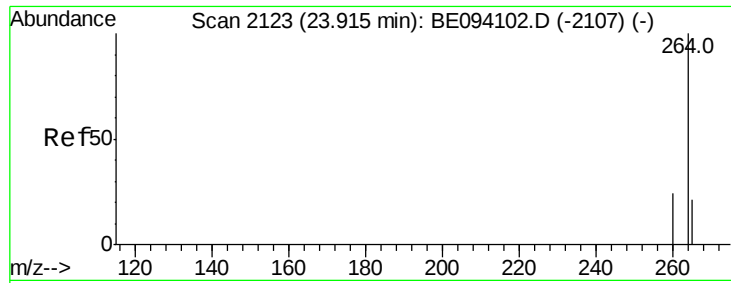
Delta R.T. -0.00 min

Lab File: BE094127.D

Acq: 26 Sep 2017 11:36

Tgt Ion:	276	Resp:	13292
Ion Ratio	Lower	Upper	
276	100		
138	24.7	22.5	33.7
277	24.5	19.9	29.9





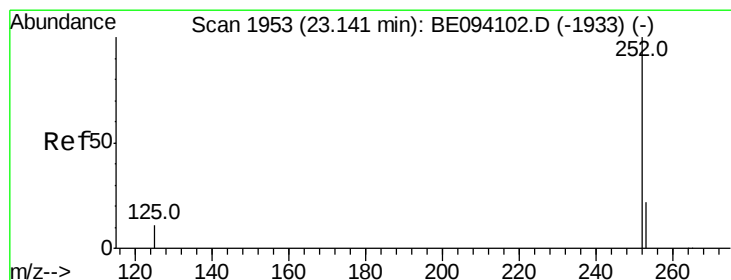
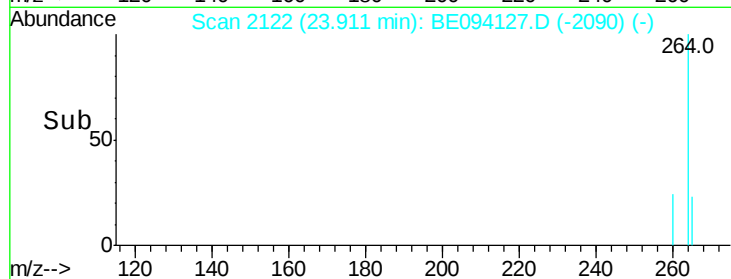
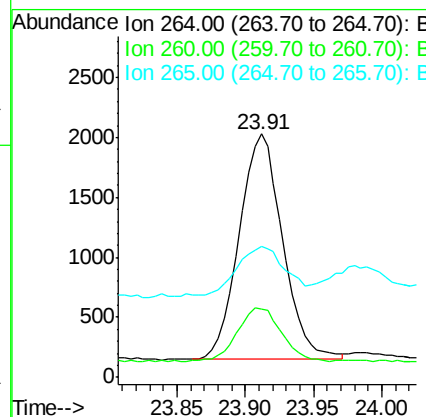
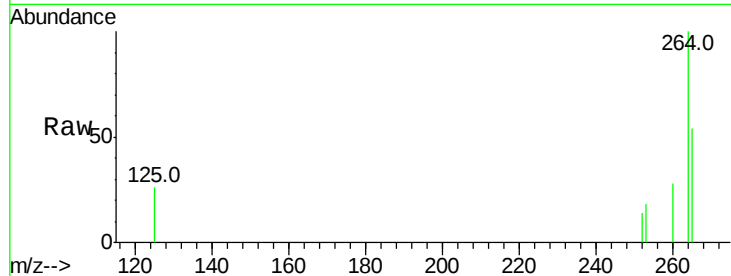
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampled :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.2	20.5	30.7
265	54.0	22.8	34.2#

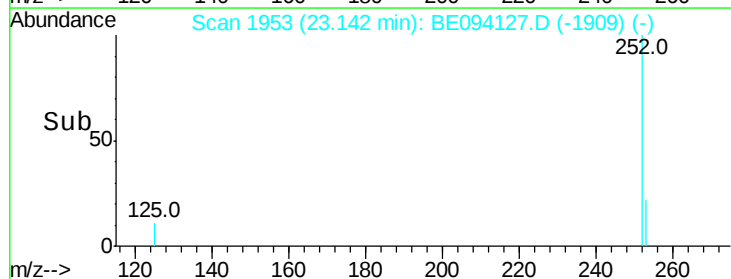
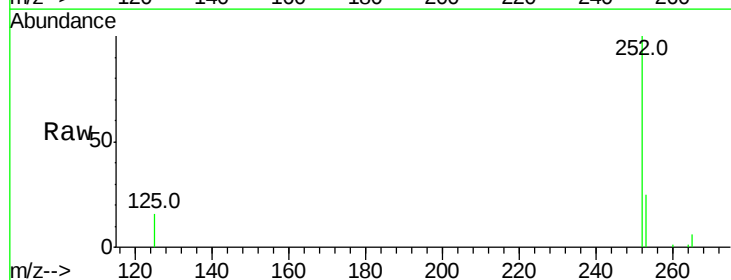
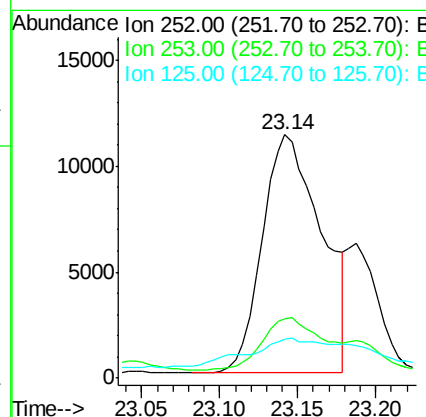
Manual Integrations
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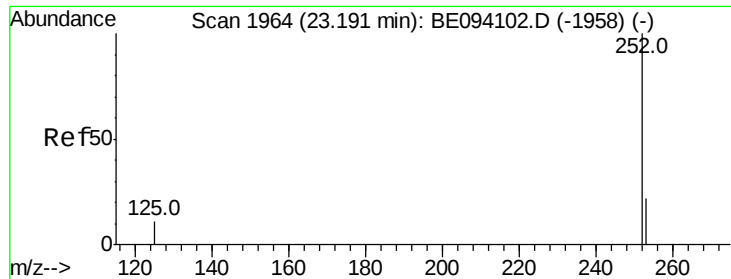
Sohil
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#35
Benzo(b)fluoranthene
Concen: 1.993 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.2
125	15.7	10.1	15.1#





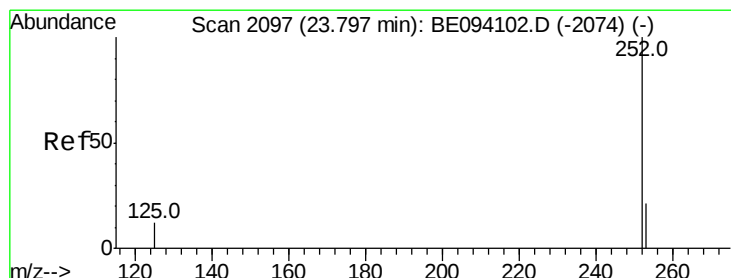
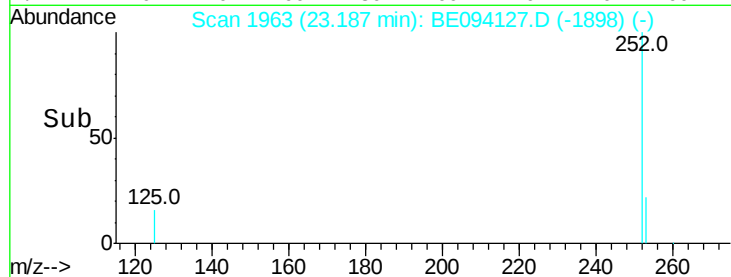
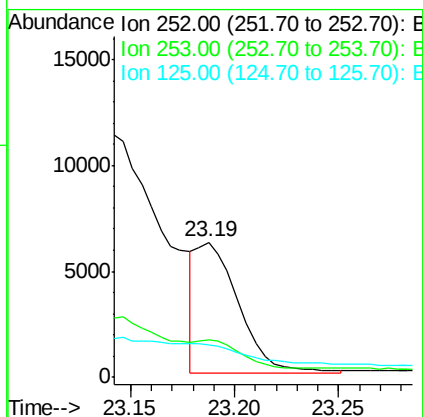
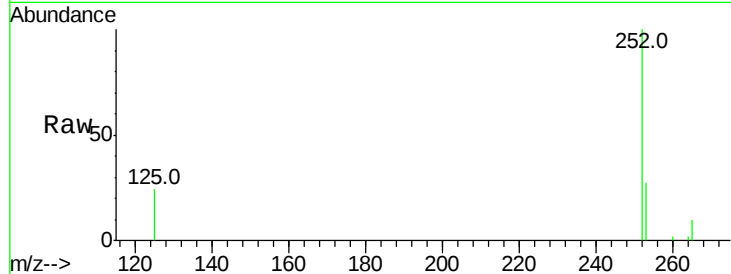
#36
Benzo(k)fluoranthene
Concen: 0.612 ng m
RT: 23.19 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion:252 Resp: 8720
Ion Ratio Lower Upper
252 100
253 27.3 18.6 27.8
125 24.5 10.7 16.1#

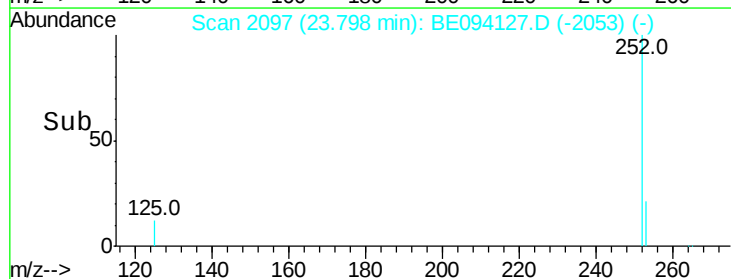
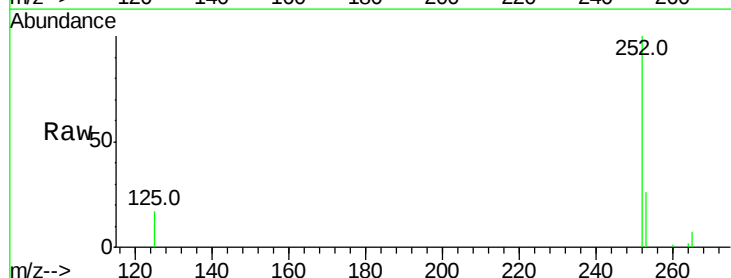
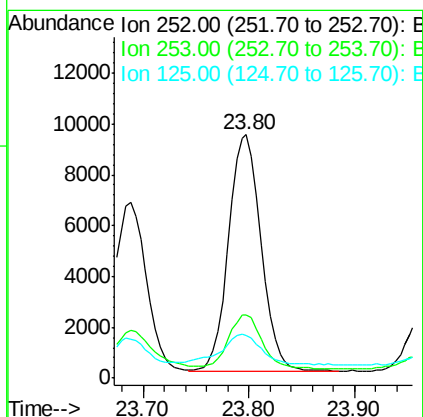
Manual Integrations
APPROVED

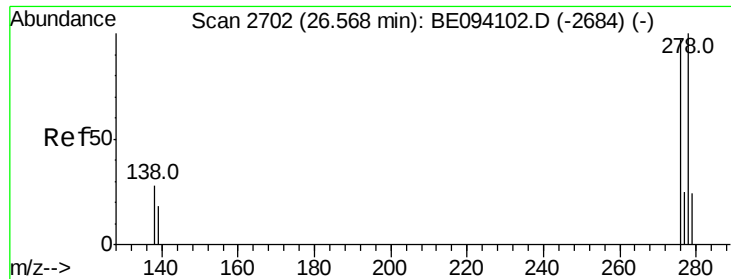
Sohil
9/27/2017 12:45:40 PM



#37
Benzo(a)pyrene
Concen: 1.481 ng
RT: 23.80 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Tgt Ion:252 Resp: 19930
Ion Ratio Lower Upper
252 100
253 26.1 19.0 28.6
125 17.4 11.8 17.8





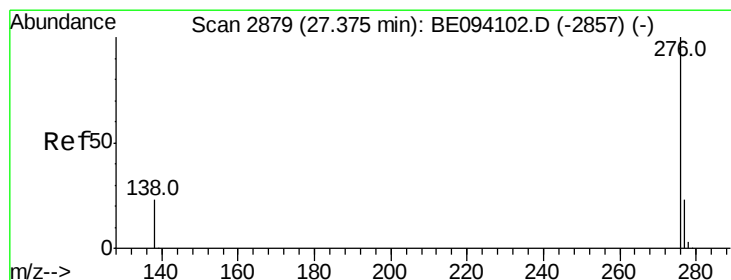
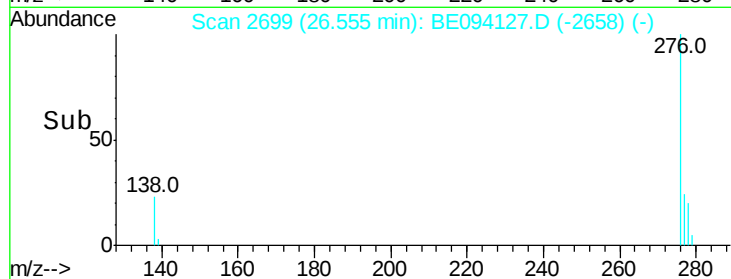
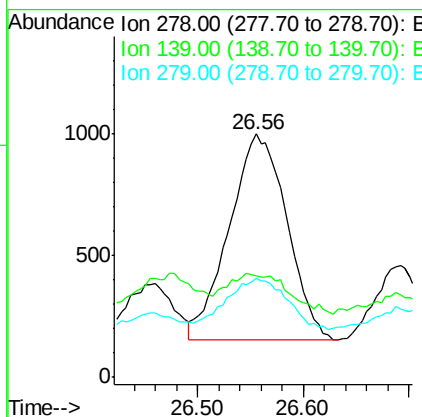
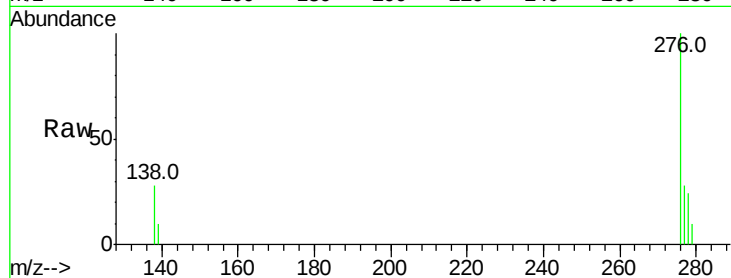
#38
Dibenzo(a,h)anthracene
Concen: 0.251 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Instrument :
BNA_E
ClientSampleID :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	41.8	16.3	24.5#
279	40.4	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/27/2017 12:45:40 PM



#39
Benzo(g,h,i)perylene
Concen: 1.080 ng
RT: 27.38 min Scan# 2879
Delta R.T. 0.00 min
Lab File: BE094127.D
Acq: 26 Sep 2017 11:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	20.8	31.2
138	29.3	21.5	32.3

