

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094125.D
 Acq On : 26 Sep 2017 10:22
 Operator : SJ/JU
 Sample : I5340-12DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-012DL

Manual Integrations
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 9/27/2017 12:45:36 PM

Quant Time: Sep 26 16:26:40 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	1482	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7462	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4811	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18136	0.40	ng	0.00
27) Chrysene-d12	21.40	240	13959	0.40	ng	0.00
34) Perylene-d12	23.91	264	13222	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	158	0.03	ng	0.00
5) Phenol-d6	7.10	99	165	0.02	ng	0.01
8) Nitrobenzene-d5	9.06	82	162	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	247	0.02	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	39	-0.03	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	354	0.02	ng	0.02
25) Fluoranthene-d10	19.27	212	3135	0.02	ng	0.00
29) Terphenyl-d14	19.85	244	611	0.02	ng	0.00

Target Compounds				Qvalue		
16) Acenaphthylene	14.23	152	638	0.026	ng	95
17) Acenaphthene	14.57	154	852	0.057	ng	97
18) Fluorene	15.56	166	1005	0.049	ng	93
23) Phenanthrene	17.27	178	26690	0.575	ng	98
24) Anthracene	17.37	178	5540	0.114	ng	# 94
26) Fluoranthene	19.30	202	40020	0.770	ng	99
28) Pyrene	19.66	202	35780	0.809	ng	# 94
30) Benzo(a)anthracene	21.38	228	18452	0.393	ng	95
31) Chrysene	21.44	228	15245	0.336	ng	94
33) Indeno(1,2,3-cd)pyrene	26.55	276	9302	0.192	ng	96
35) Benzo(b)fluoranthene	23.14	252	19485	0.408	ng	# 88
36) Benzo(k)fluoranthene	23.18	252	7174m	0.157	ng	
37) Benzo(a)pyrene	23.80	252	13990	0.325	ng	# 90
38) Dibenzo(a,h)anthracene	26.56	278	2189	0.054	ng	# 38
39) Benzo(a,h,i)perylene	27.38	276	9395	0.232	ng	92

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

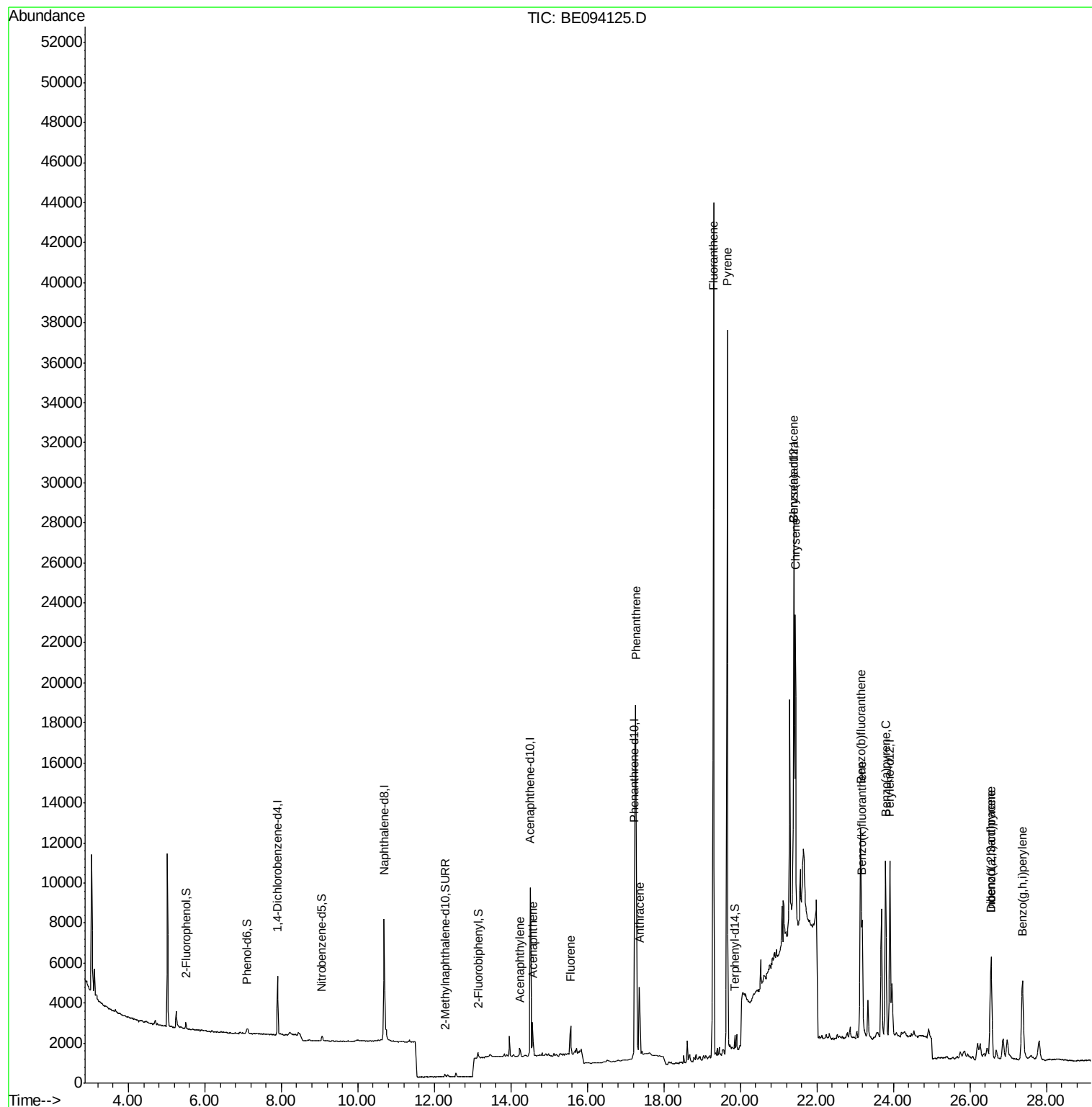
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
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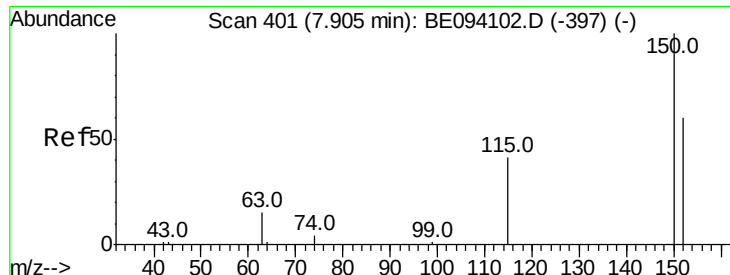
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

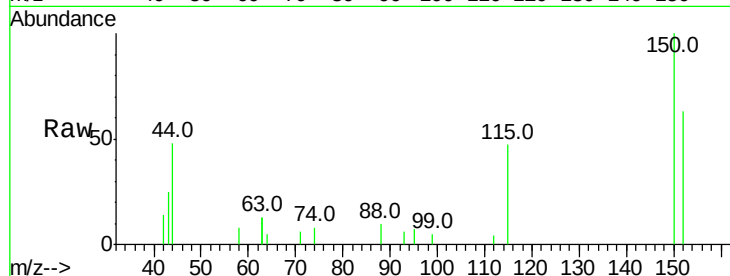
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :
LT-TS-012DL

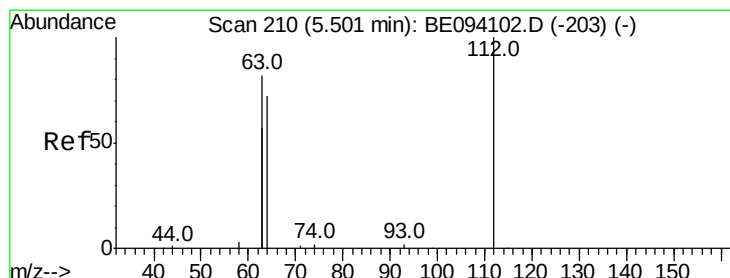
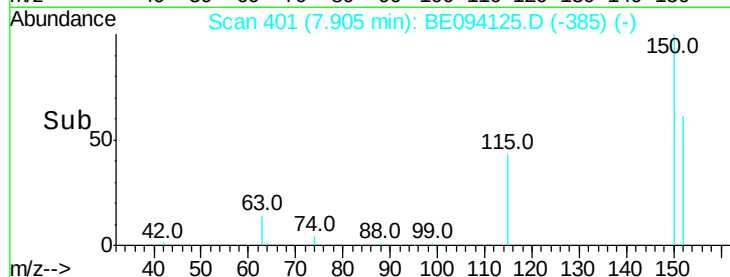
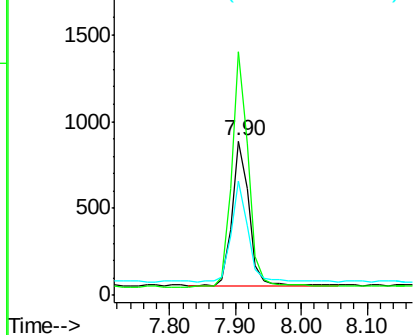
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	117.2	175.8
115	74.0	57.0	85.6

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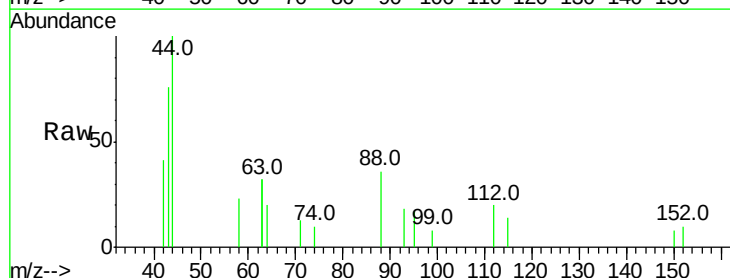
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



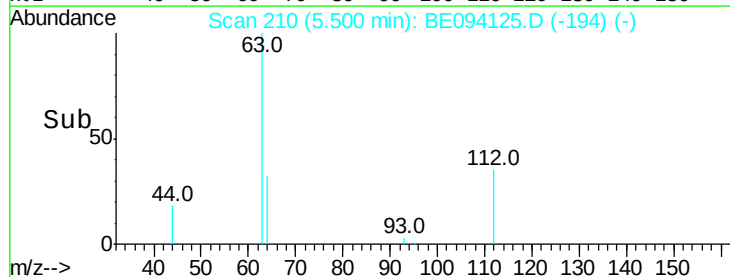
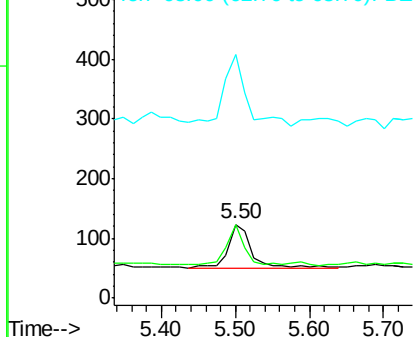
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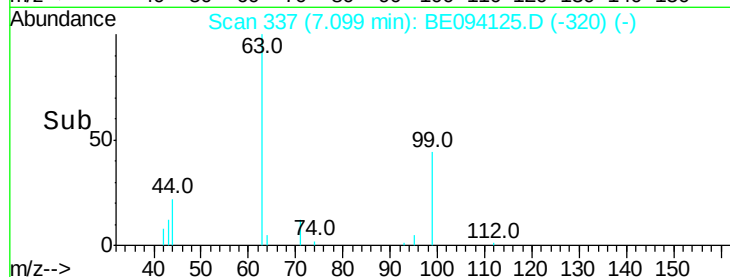
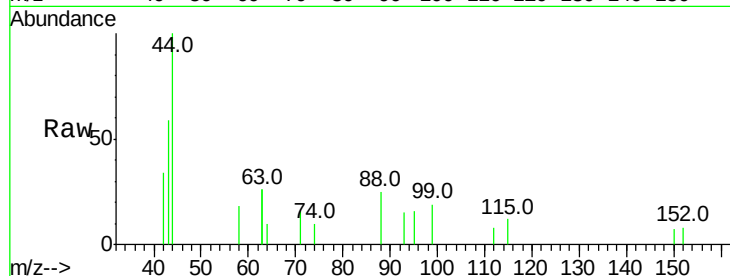
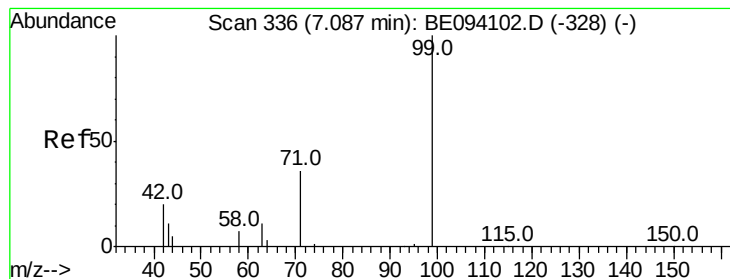
2-Fluorophenol
Concen: 0.028 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	60.1	90.1
63	139.9	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: 0.021 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Tot Ion:	99	Resp:	165
Ion Ratio	Lower	Upper	
99	100		
42	0.0	20.2	30.2#
71	0.0	28.4	42.6#

Instrument :

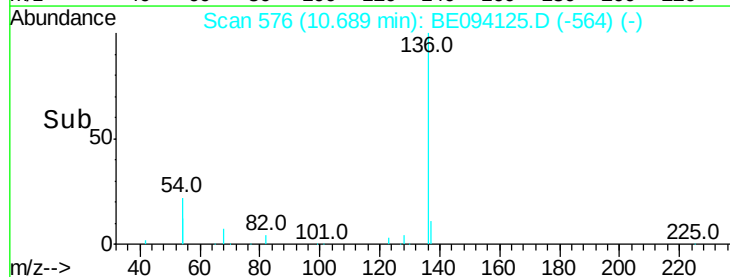
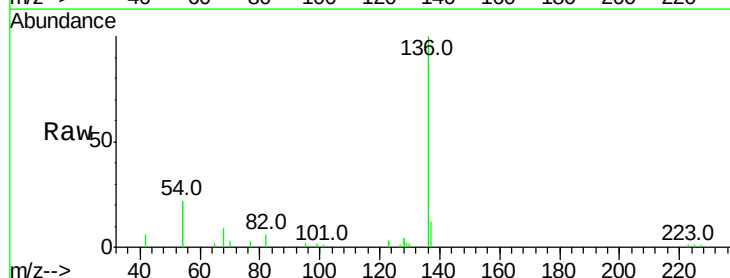
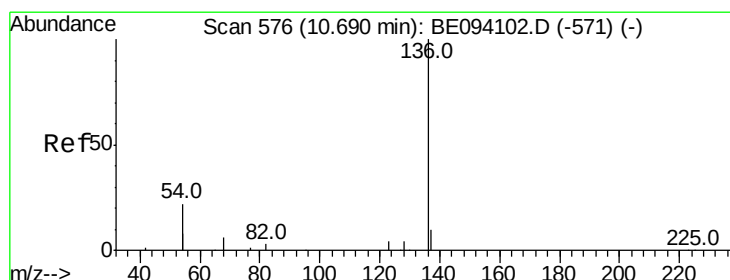
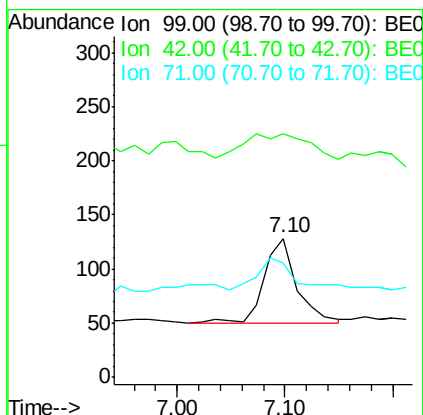
BNA_E

ClientSampled :

LT-TS-012DL

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#7

Naphthalene-d8

Concen: 0.400 ng

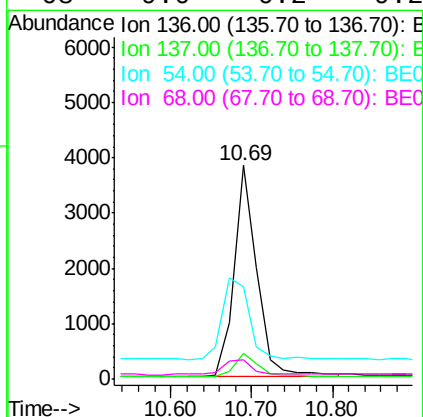
RT: 10.69 min Scan# 576

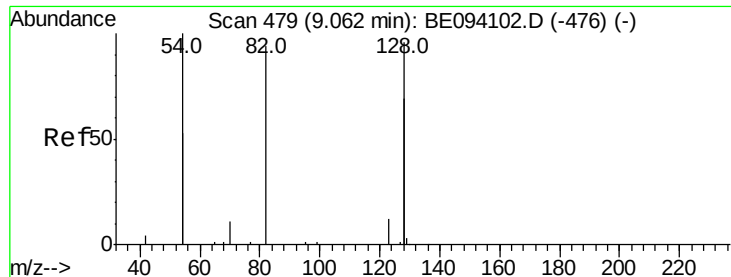
Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Tgt Ion:	136	Resp:	7462
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.5	14.3
54	43.1	29.1	43.7
68	9.0	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.022 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

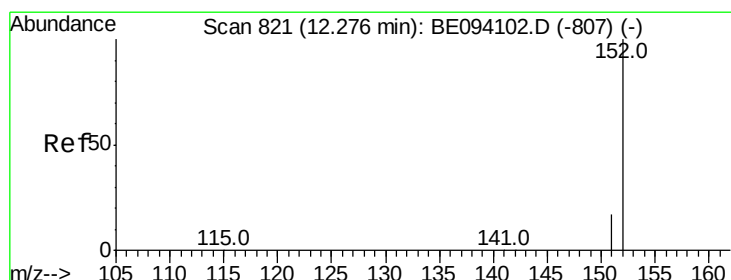
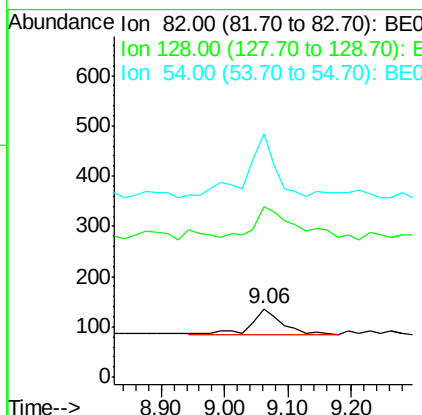
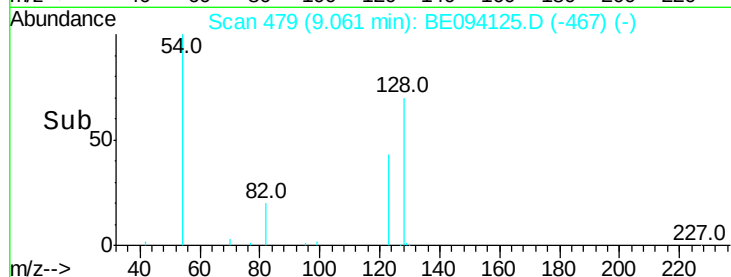
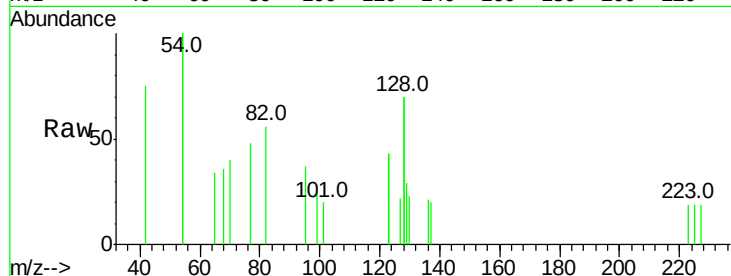
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Tot Ion	Ratio	Lower	Upper
82	100		
128	248.5	150.0	225.0#
54	355.9	154.2	231.4#

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#11

2-Methylnaphthalene-d10

Concen: 0.021 ng

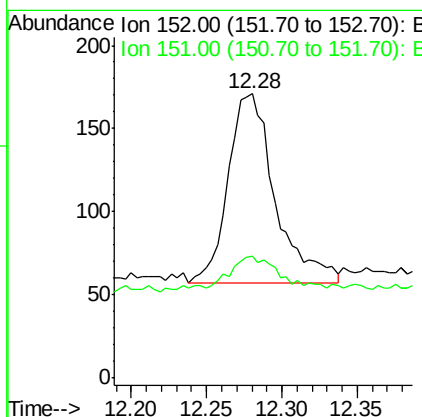
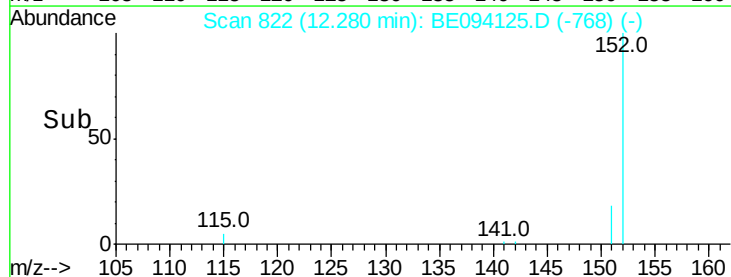
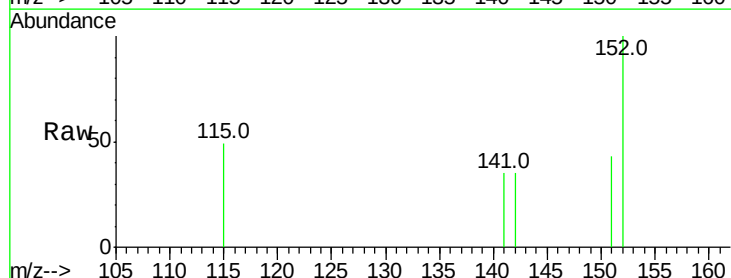
RT: 12.28 min Scan# 822

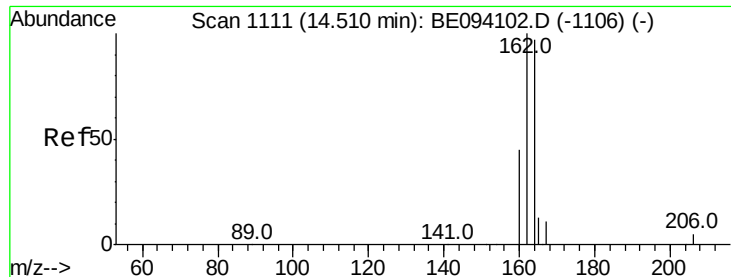
Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.4	23.0





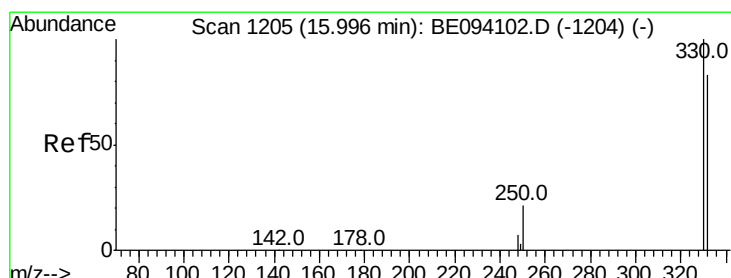
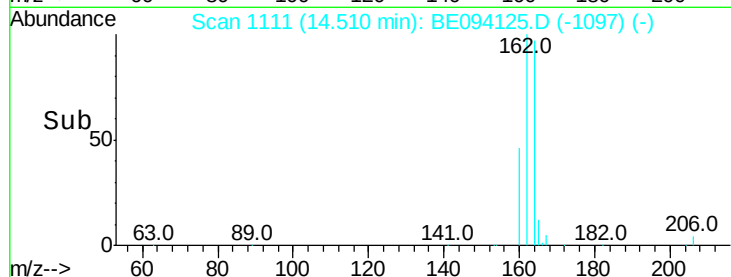
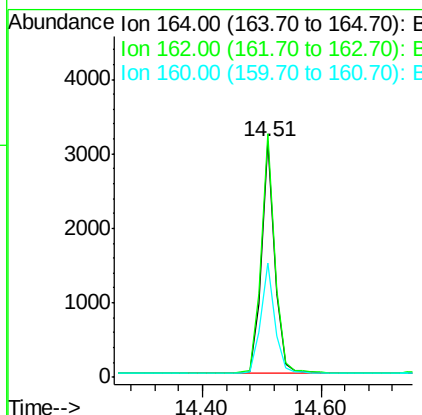
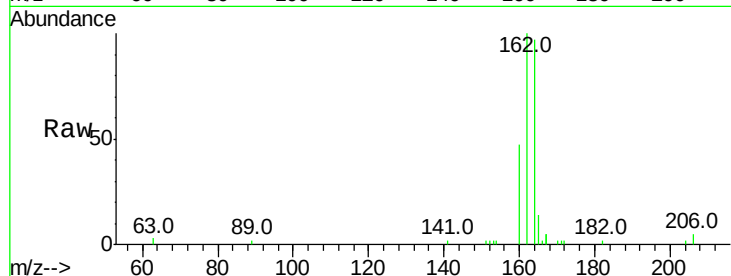
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :
LT-TS-012DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.1	124.7
160	48.6	37.1	55.7

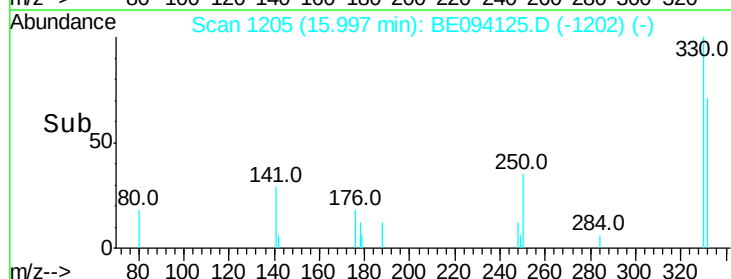
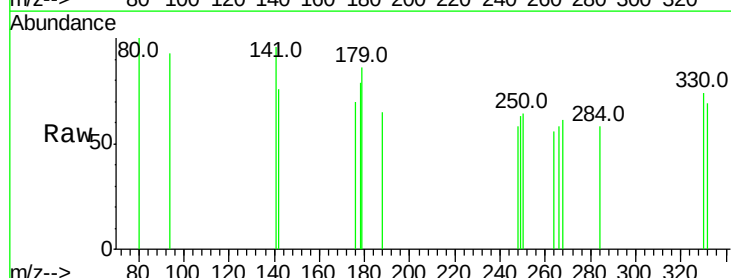
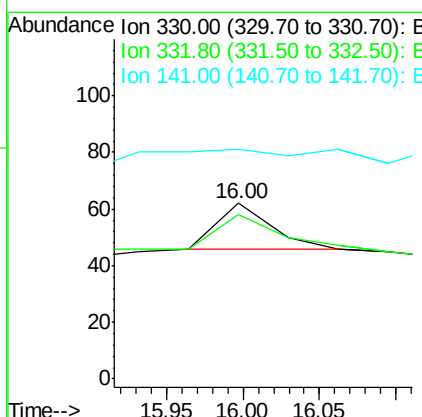
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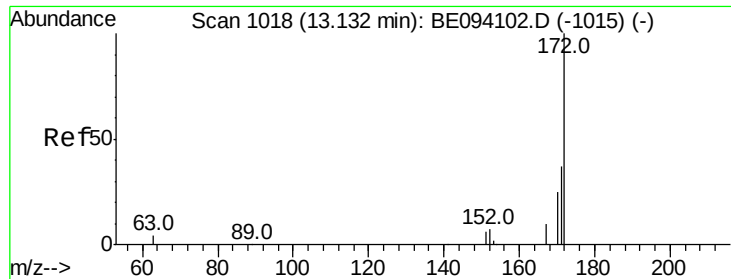
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#14
2,4,6-Tribromophenol
Concen: -0.027 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	84.6	152.7	229.1#
141	0.0	33.7	50.5#





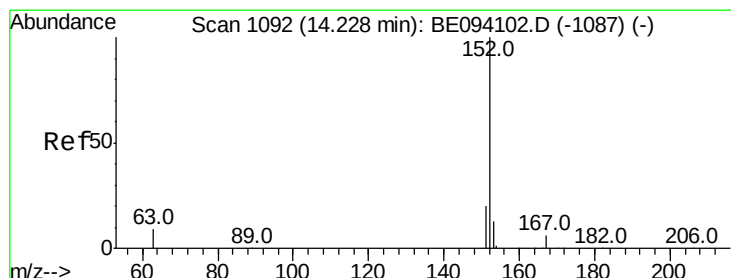
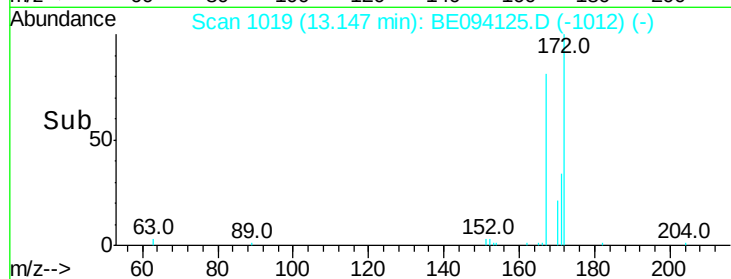
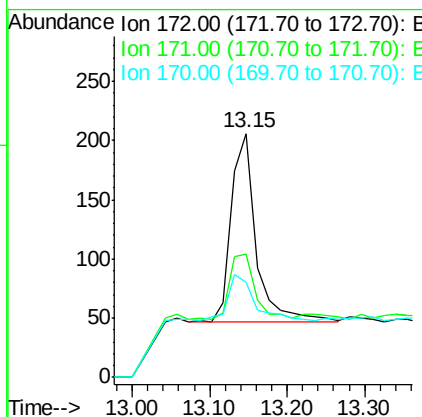
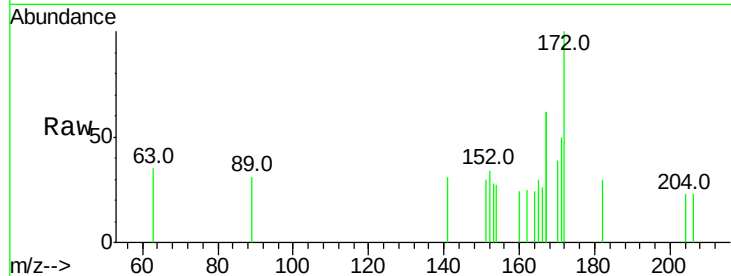
#15
2-Fluorobiphenyl
Concen: 0.022 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.02 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampled :
LT-TS-012DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	50.5	29.9	44.9#
170	39.3	21.8	32.8#

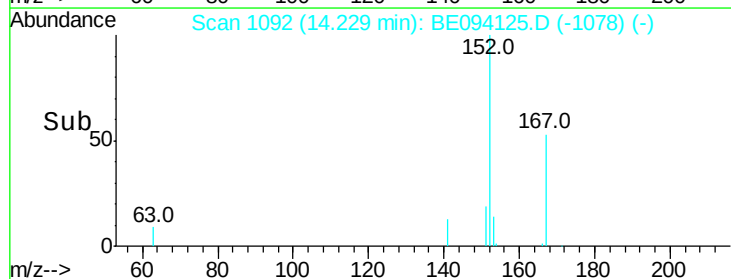
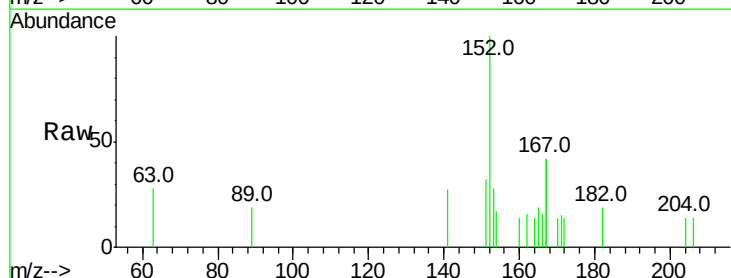
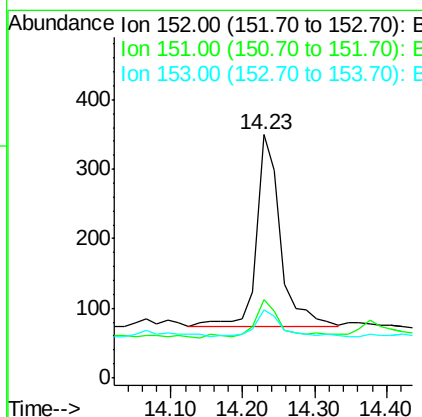
Manual Integrations
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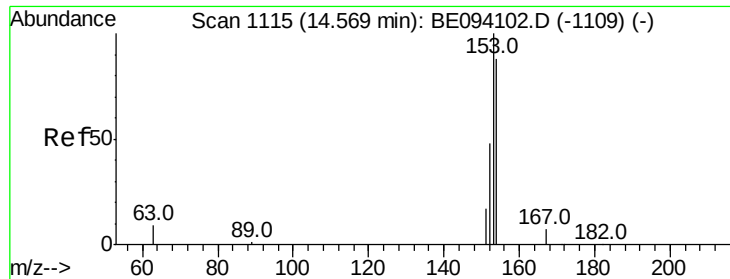
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#16
Acenaphthylene
Concen: 0.026 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.7	23.5
153	15.7	10.5	15.7





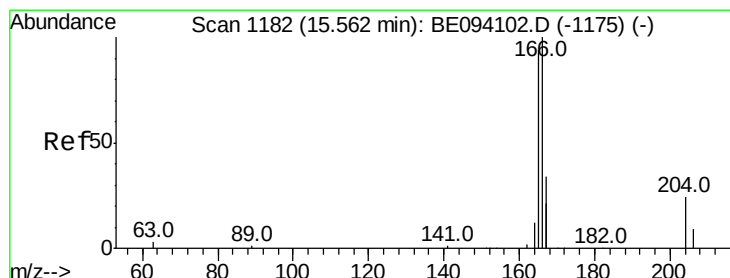
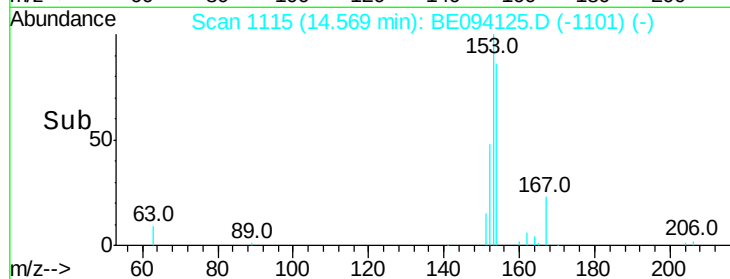
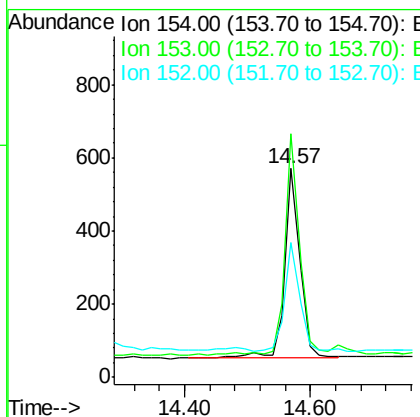
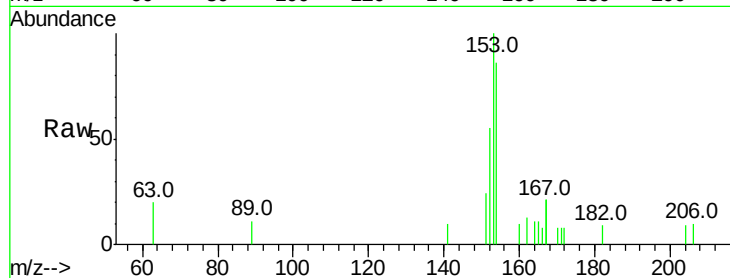
#17
Acenaphthene
Concen: 0.057 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :
LT-TS-012DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.2	133.8
152	57.7	42.0	63.0

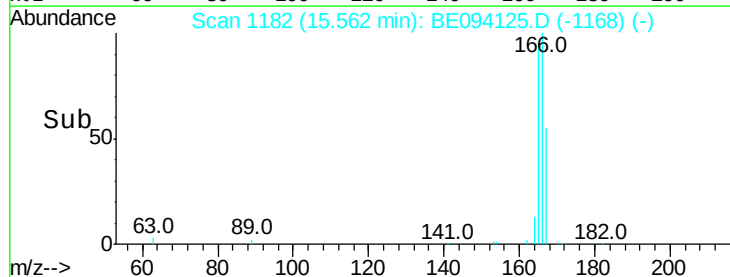
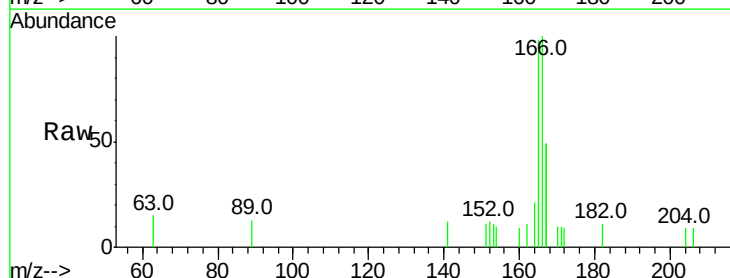
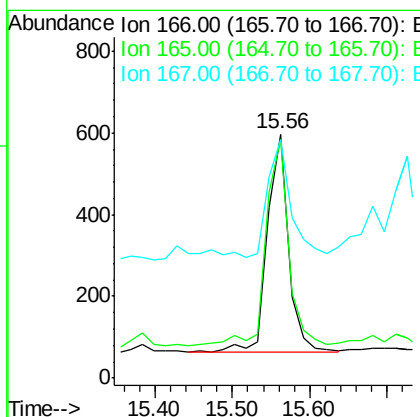
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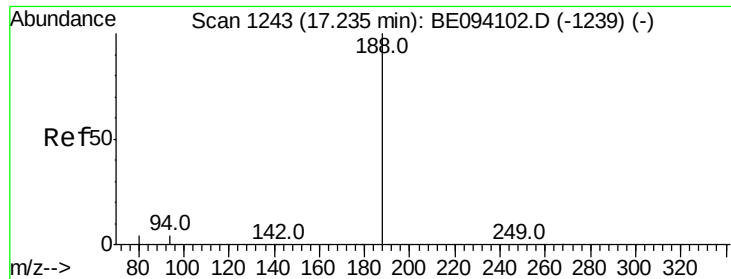
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#18
Fluorene
Concen: 0.049 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	77.8	116.6
167	58.9	42.4	63.6





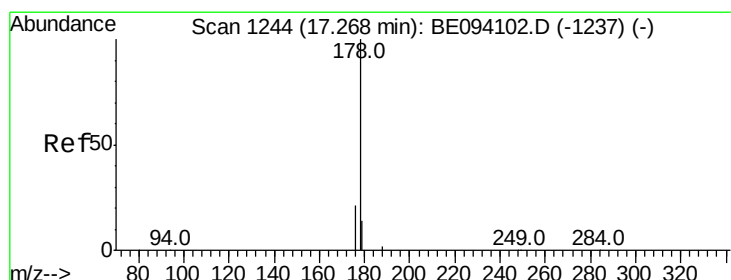
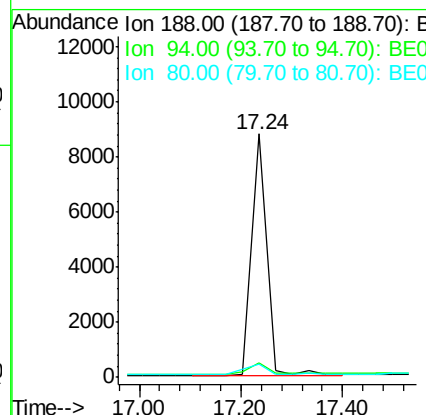
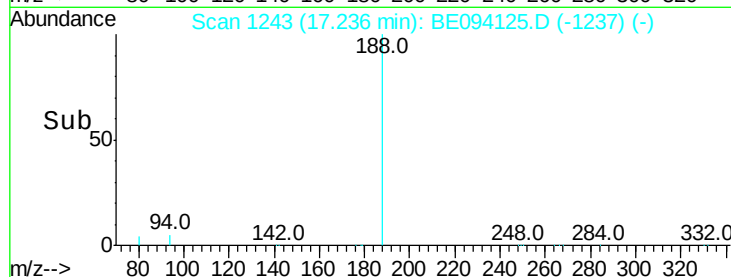
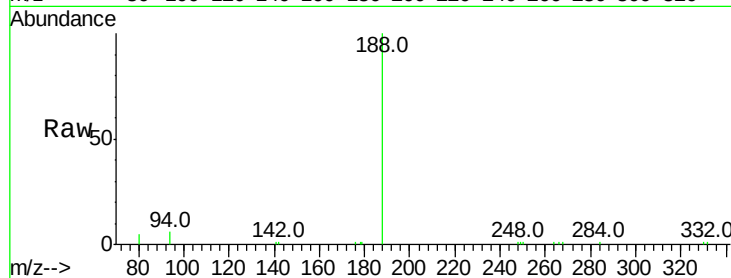
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :
LT-TS-012DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	18136		
94	5.9		3.9	5.9#
80	5.4		3.6	5.4

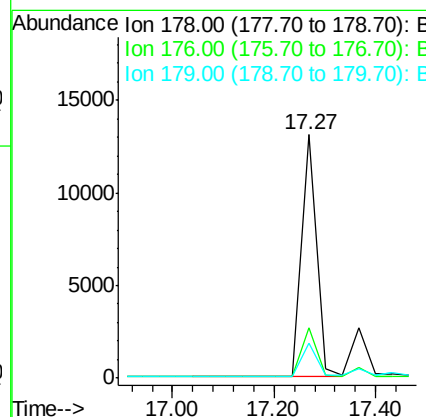
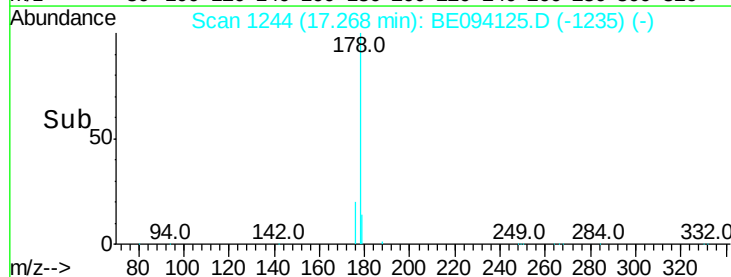
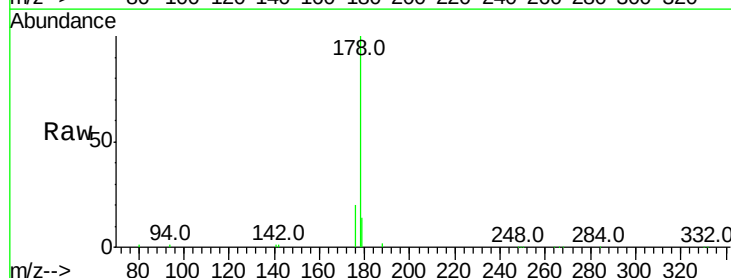
Manual Integrations
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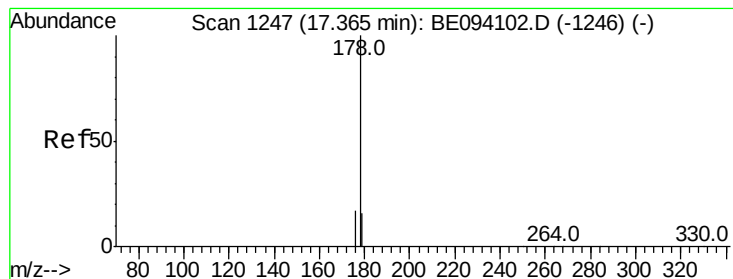
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#23
Phenanthrene
Concen: 0.575 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	26690		
176	20.0		15.1	22.7
179	15.1		11.8	17.6





#24

Anthracene

Concen: 0.114 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

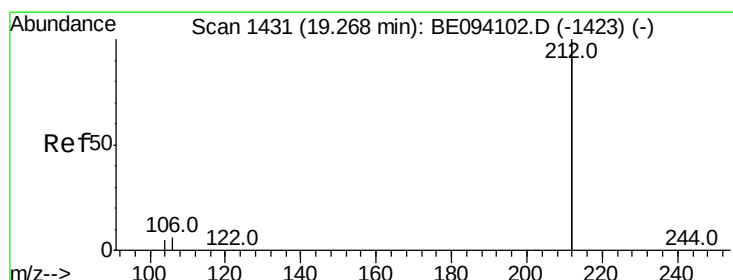
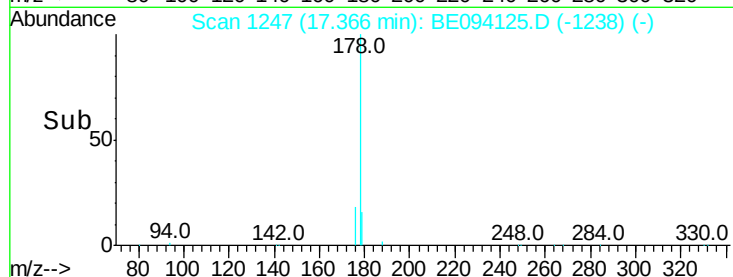
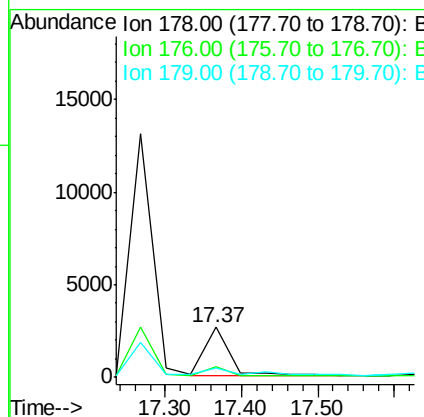
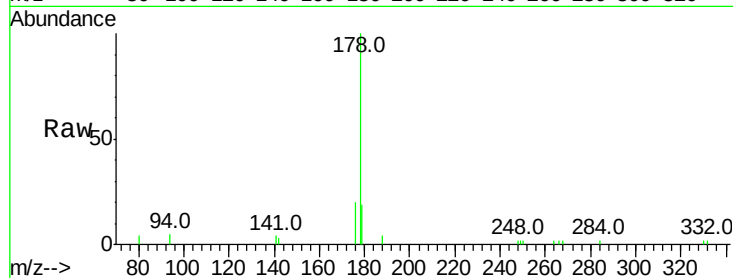
ClientSampleId :

LT-TS-012DL

Tot Ion:	178	Resp:	5540
Ion Ratio	Lower	Upper	
178	100		
176	16.6	12.8	19.2
179	20.9	13.0	19.6#

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#25

Fluoranthene-d10

Concen: 0.018 ng

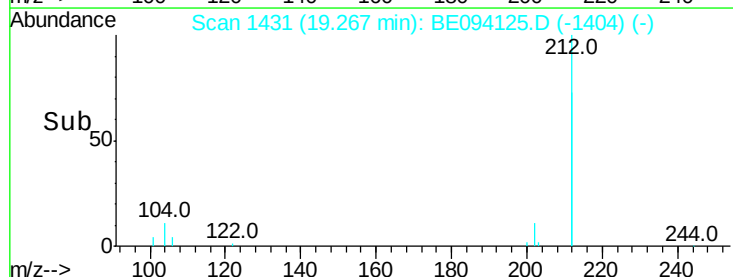
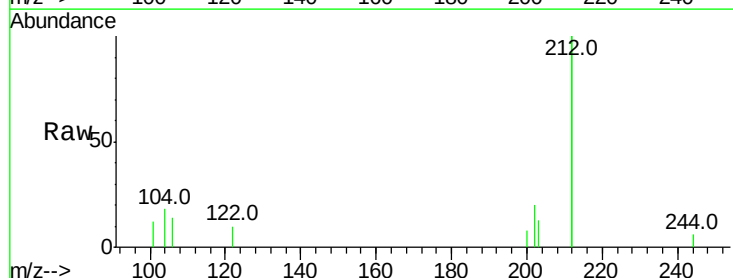
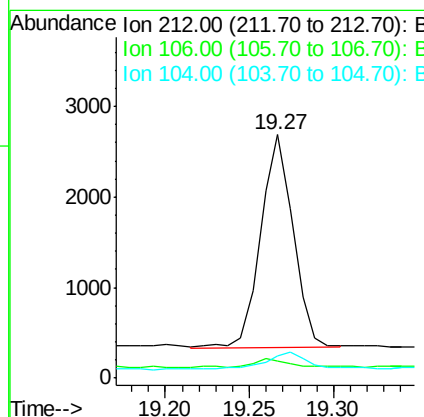
RT: 19.27 min Scan# 1431

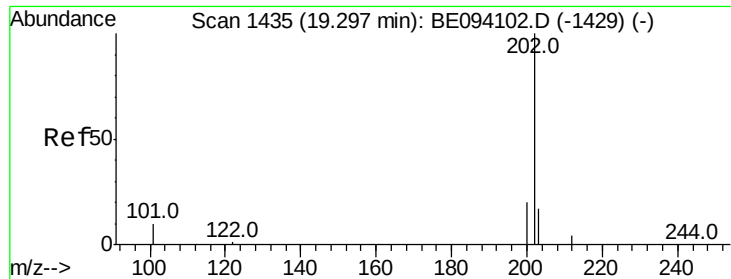
Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Tgt Ion:	212	Resp:	3135
Ion Ratio	Lower	Upper	
212	100		
106	5.3	2.8	4.2#
104	11.8	1.6	2.4#





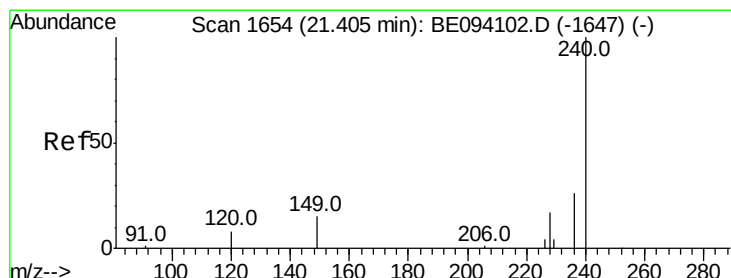
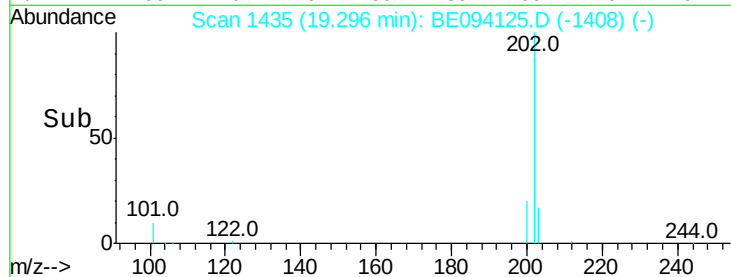
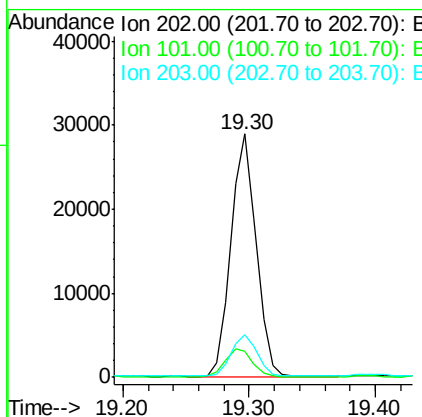
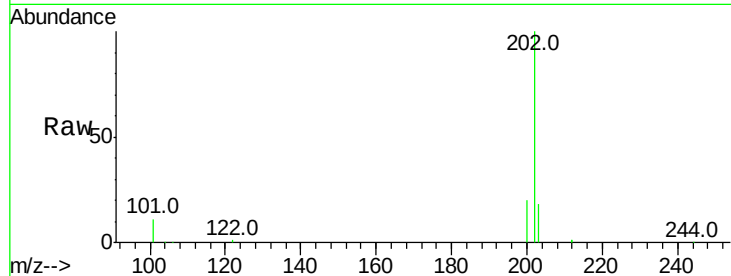
#26
Fluoranthene
 Concen: 0.770 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094125.D
 Acq: 26 Sep 2017 10:22

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-012DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	40020		
101	11.8		9.8	14.8
203	17.3		13.7	20.5

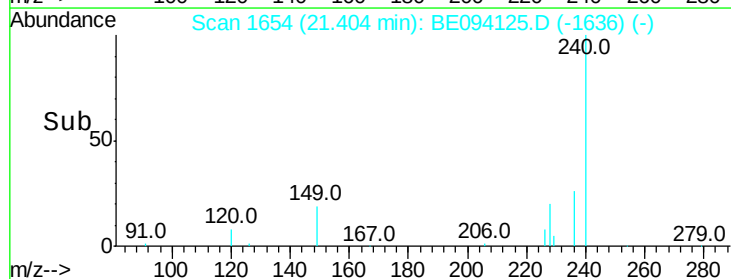
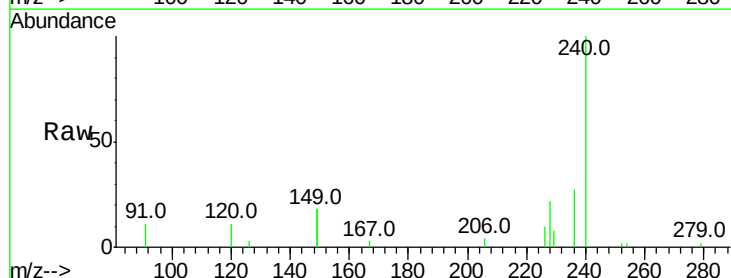
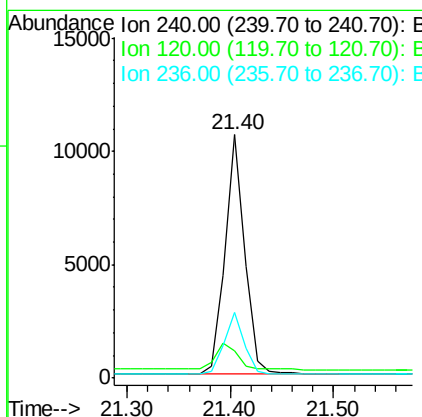
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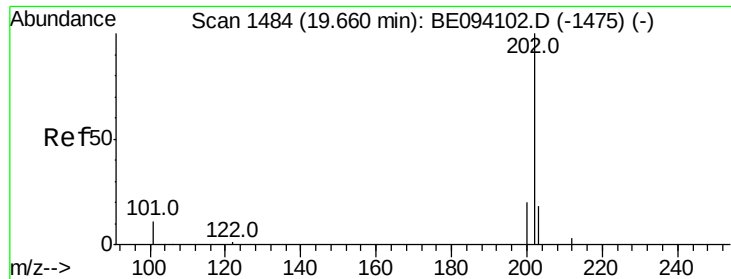
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094125.D
 Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	13959		
120	11.3		5.5	8.3#
236	26.8		20.7	31.1





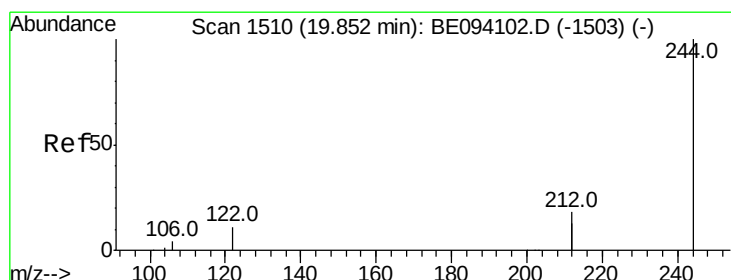
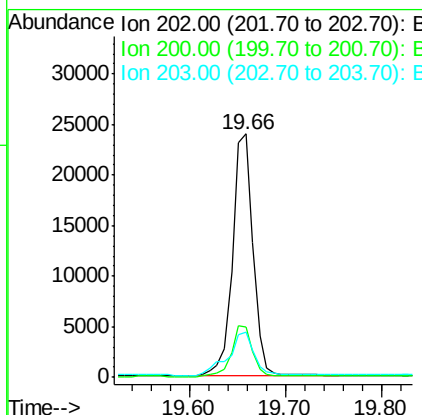
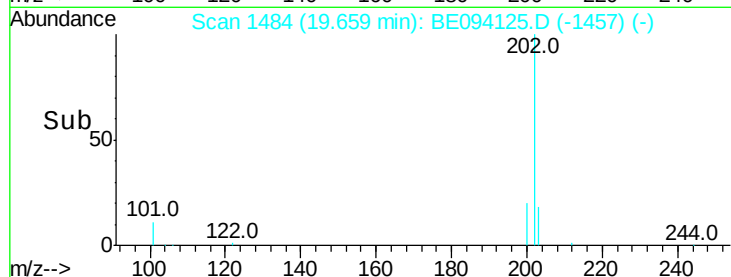
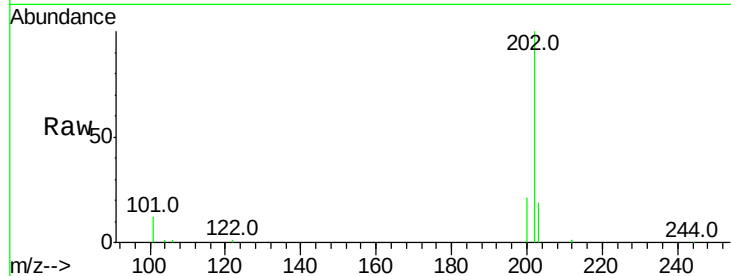
#28
Pvrene
Concen: 0.809 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :
LT-TS-012DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	22.5	13.8	20.8

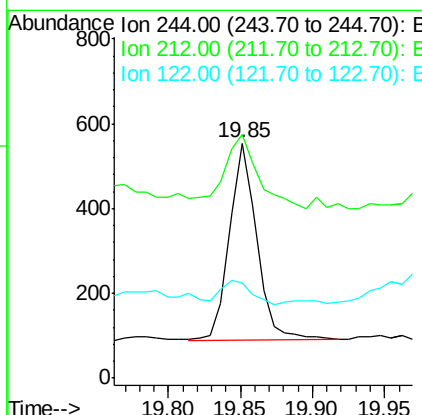
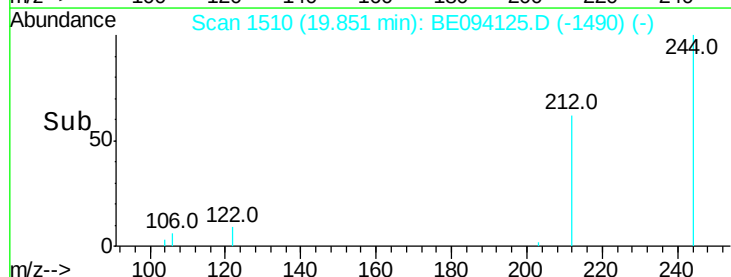
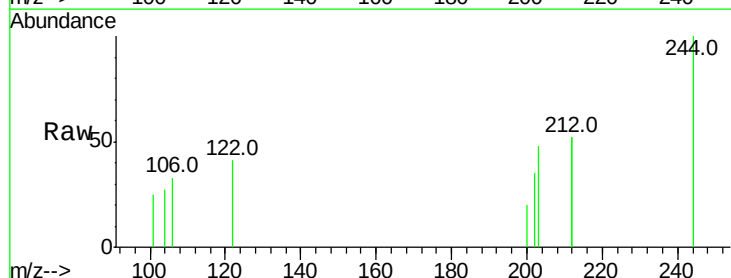
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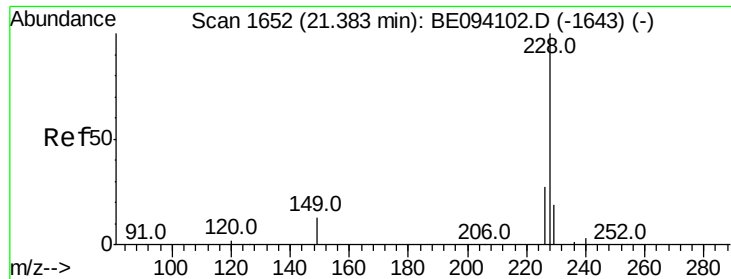
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#29
Terphenyl-d14
Concen: 0.024 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	103.6	25.4	38.0
122	40.8	8.1	12.1





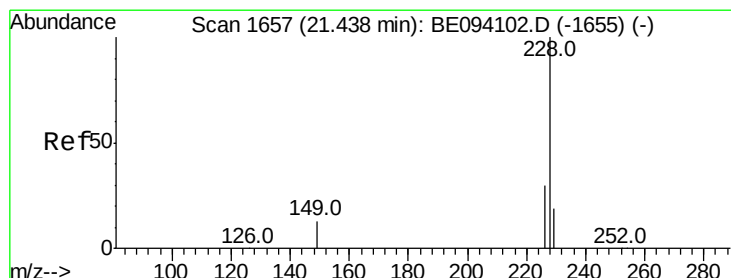
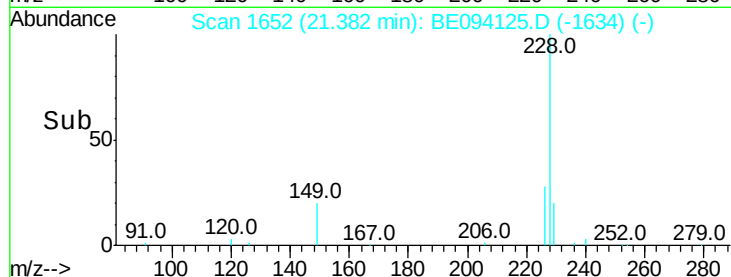
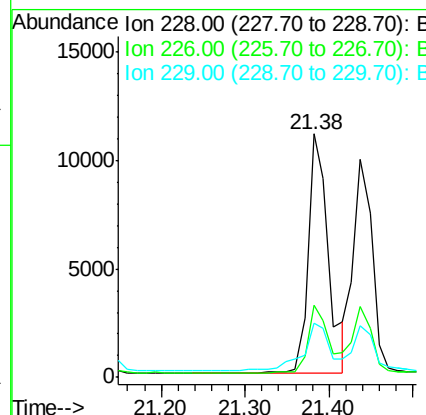
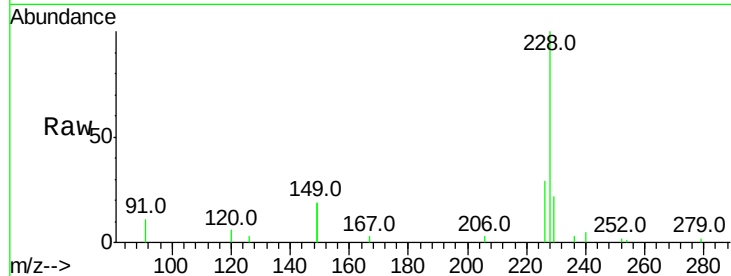
#30
Benzo(a)anthracene
Concen: 0.393 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampled :
LT-TS-012DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.4	32.0
229	22.5	16.4	24.6

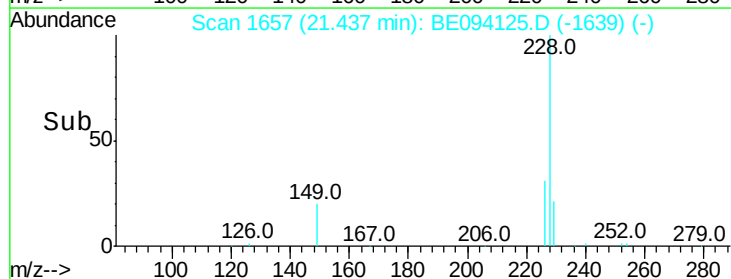
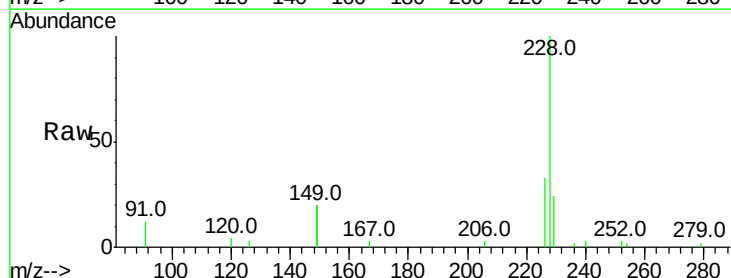
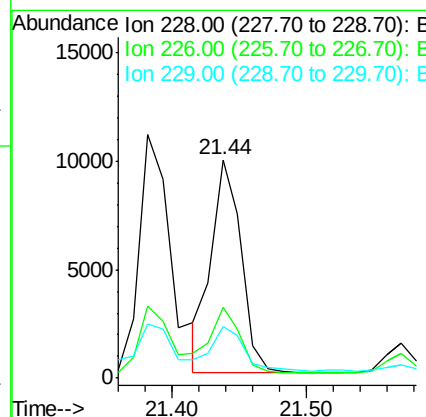
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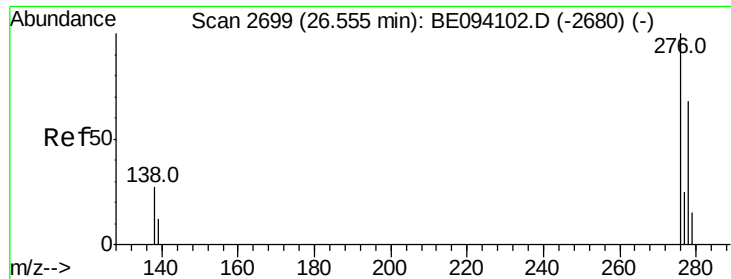
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#31
Chrysene
Concen: 0.336 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.6	35.4
229	23.6	16.4	24.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.192 ng

RT: 26.55 min Scan# 2697

Delta R.T. -0.01 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

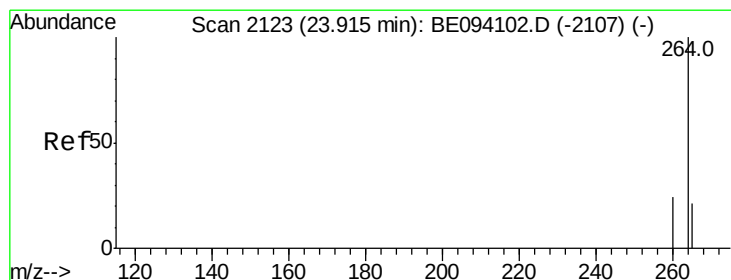
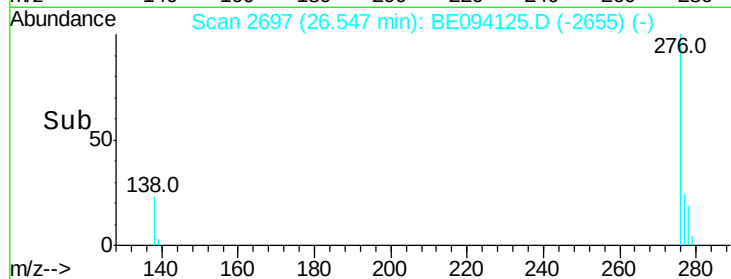
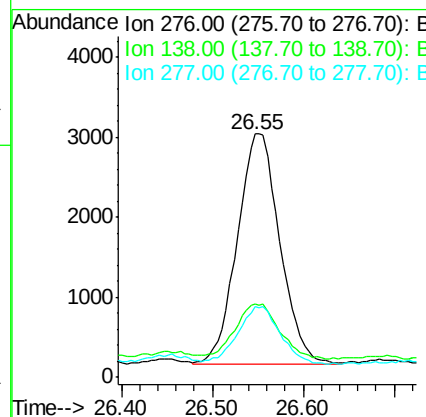
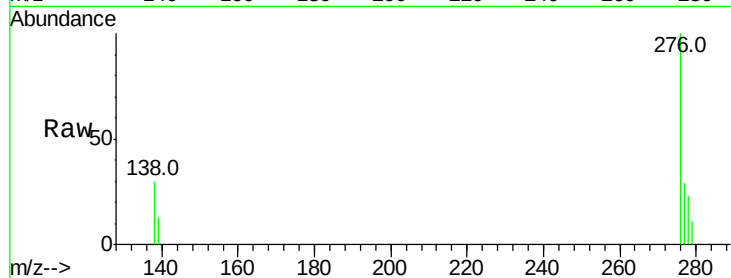
ClientSampleId :

LT-TS-012DL

Tot Ion:	276	Resp:	9302
Ion Ratio	Lower	Upper	
276	100		
138	24.5	22.5	33.7
277	25.1	19.9	29.9

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#34

Perylene-d12

Concen: 0.400 ng

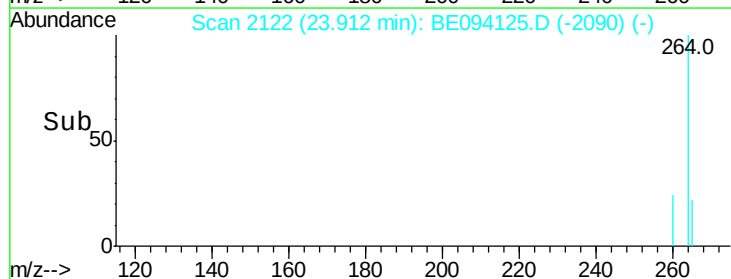
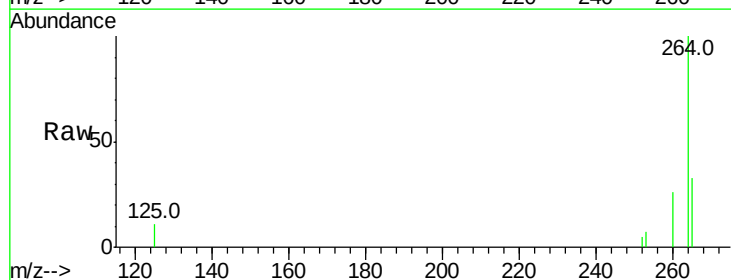
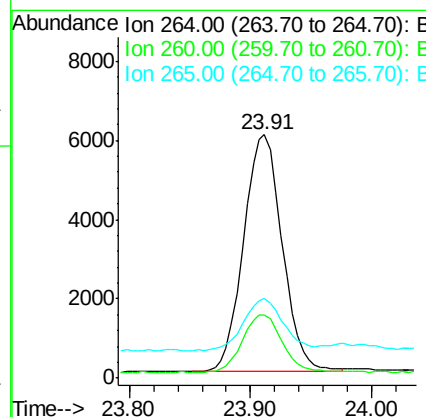
RT: 23.91 min Scan# 2122

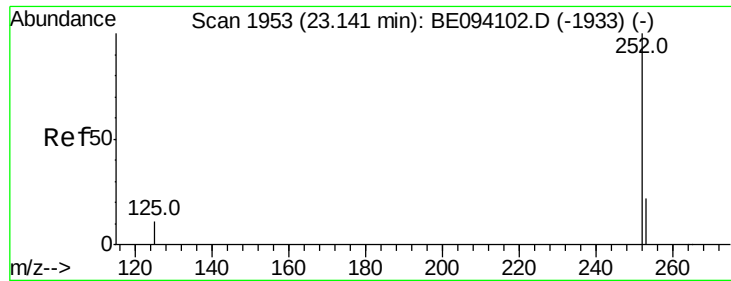
Delta R.T. -0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Tgt Ion:	264	Resp:	13222
Ion Ratio	Lower	Upper	
264	100		
260	25.8	20.5	30.7
265	32.5	22.8	34.2





#35

Benzo(b)fluoranthene

Concen: 0.408 ng

RT: 23.14 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampled :

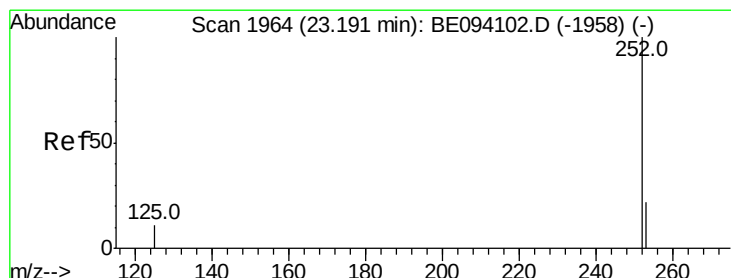
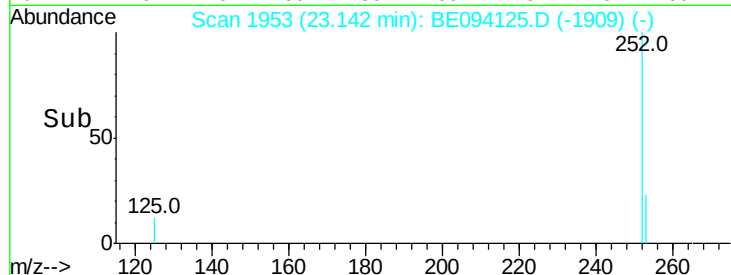
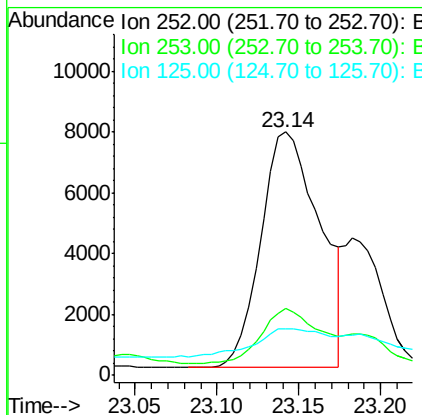
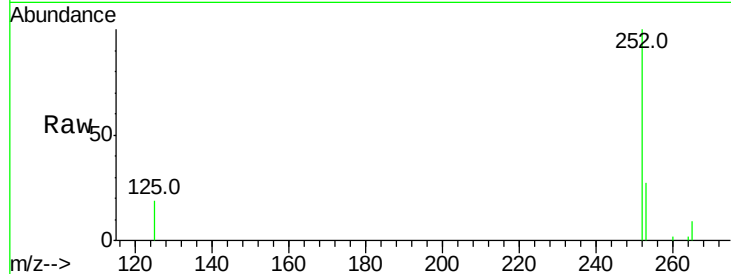
LT-TS-012DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.2	27.2#
125	19.2	10.1	15.1#

Manual Integrations
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#36

Benzo(k)fluoranthene

Concen: 0.157 ng m

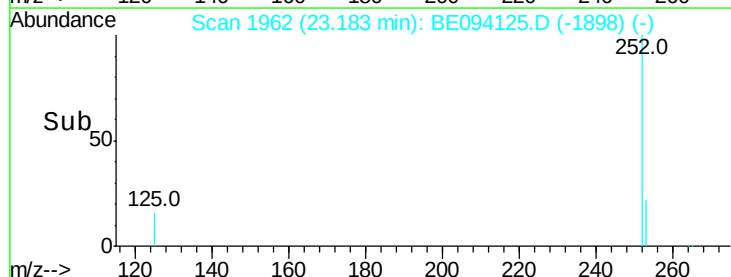
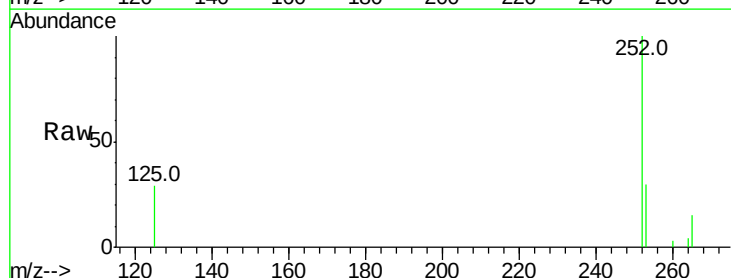
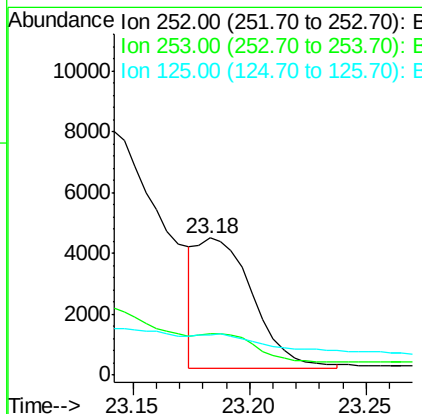
RT: 23.18 min Scan# 1962

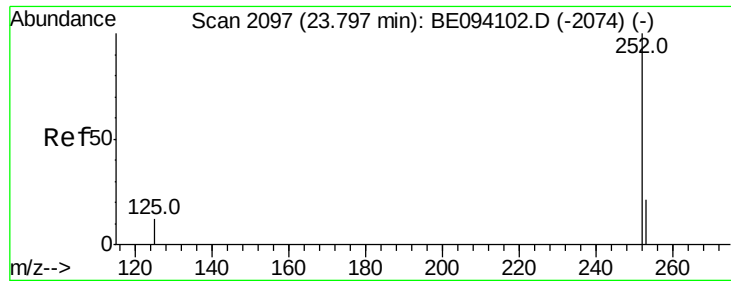
Delta R.T. -0.01 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	18.6	27.8#
125	29.0	10.7	16.1#





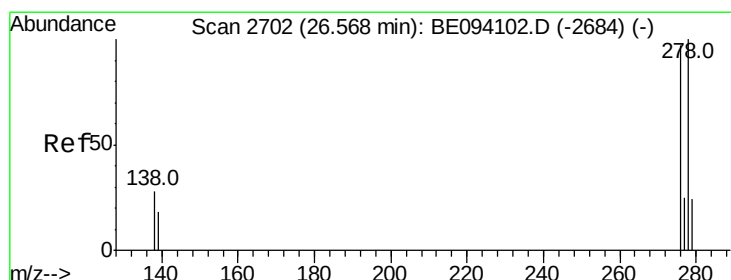
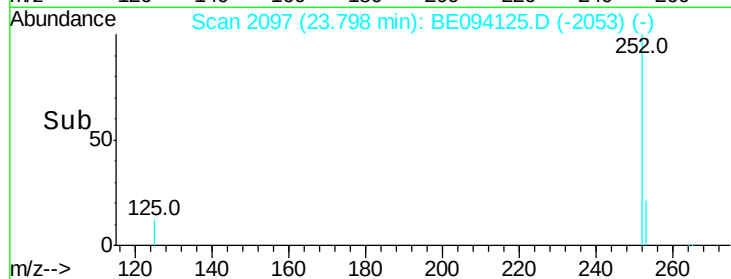
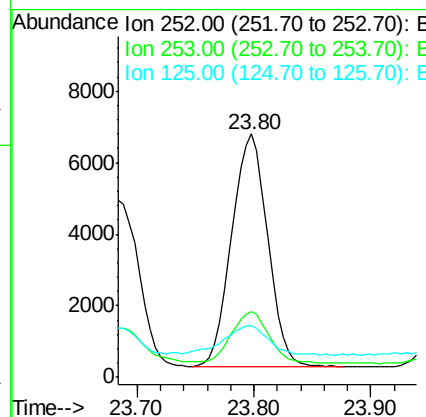
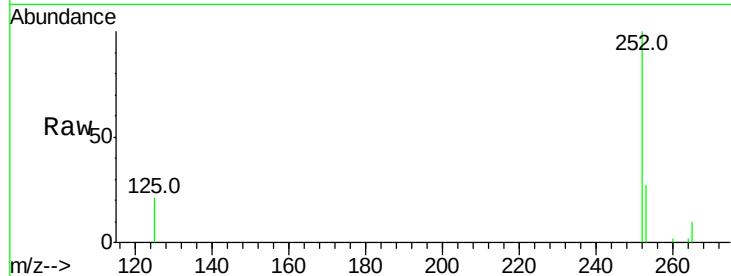
#37
Benzo(a)pyrene
Concen: 0.325 ng
RT: 23.80 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Instrument :
BNA_E
ClientSampleId :
LT-TS-012DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.0	28.6
125	21.0	11.8	17.8

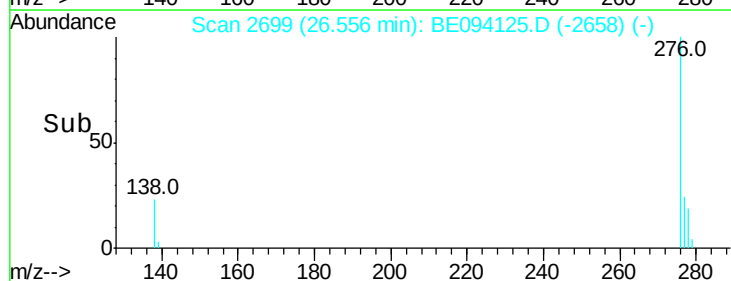
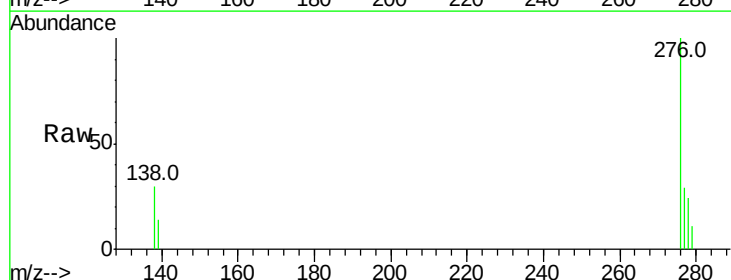
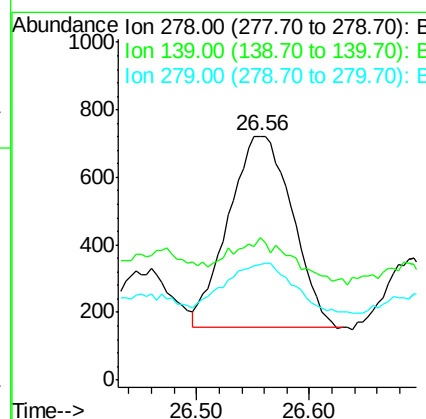
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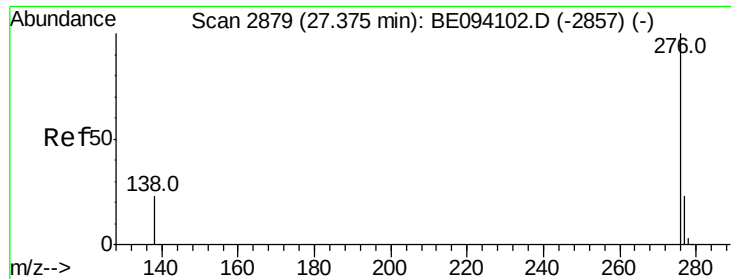
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#38
Dibenzo(a,h)anthracene
Concen: 0.054 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094125.D
Acq: 26 Sep 2017 10:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	58.5	16.3	24.5
279	47.6	19.9	29.9





#39

Benzo(a,h,i)perylene

Concen: 0.232 ng

RT: 27.38 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BE094125.D

Acq: 26 Sep 2017 10:22

Instrument :

BNA_E

ClientSampleId :

LT-TS-012DL

Tot Ion:	276	Resp:	9395
Ion Ratio	Lower	Upper	
276	100		
277	29.6	20.8	31.2
138	31.1	21.5	32.3

Manual Integrations
APPROVED

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