

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094126.D
 Acq On : 26 Sep 2017 11:00
 Operator : SJ/JU
 Sample : I5340-03DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-003DL

Manual Integrations
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Quant Time: Sep 26 16:28:29 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	511	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	2525	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	1644	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	6174	0.40	ng	0.00
27) Chrysene-d12	21.40	240	4887	0.40	ng	0.00
34) Perylene-d12	23.91	264	4529	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	612	0.32	ng	0.00
5) Phenol-d6	7.09	99	743	0.28	ng	0.00
8) Nitrobenzene-d5	9.06	82	679	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	990	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	154	0.14	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1333	0.25	ng	0.02
25) Fluoranthene-d10	19.27	212	11259	0.19	ng	0.00
29) Terphenyl-d14	19.85	244	1730	0.19	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	1378	0.048	ng	# 86
12) 2-Methylnaphthalene	12.35	142	165	0.036	ng	# 74
16) Acenaphthylene	14.23	152	1700	0.206	ng	99
17) Acenaphthene	14.57	154	305	0.059	ng	98
18) Fluorene	15.56	166	593	0.085	ng	95
23) Phenanthrene	17.27	178	14938	0.946	ng	97
24) Anthracene	17.36	178	2693	0.163	ng	# 90
26) Fluoranthene	19.30	202	34898	1.972	ng	99
28) Pyrene	19.66	202	35405	2.286	ng	# 96
30) Benzo(a)anthracene	21.38	228	16879	1.026	ng	95
31) Chrysene	21.44	228	20032	1.261	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	14637	0.101	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	11090	0.653	ng	96
35) Benzo(b)fluoranthene	23.14	252	23315	1.427	ng	# 92
36) Benzo(k)fluoranthene	23.18	252	8423m	0.538	ng	
37) Benzo(a)pyrene	23.79	252	16267	1.102	ng	# 93
38) Dibenzo(a,h)anthracene	26.56	278	3082	0.220	ng	# 59
39) Benzo(a,h,i)perylene	27.37	276	11887	0.859	ng	95

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

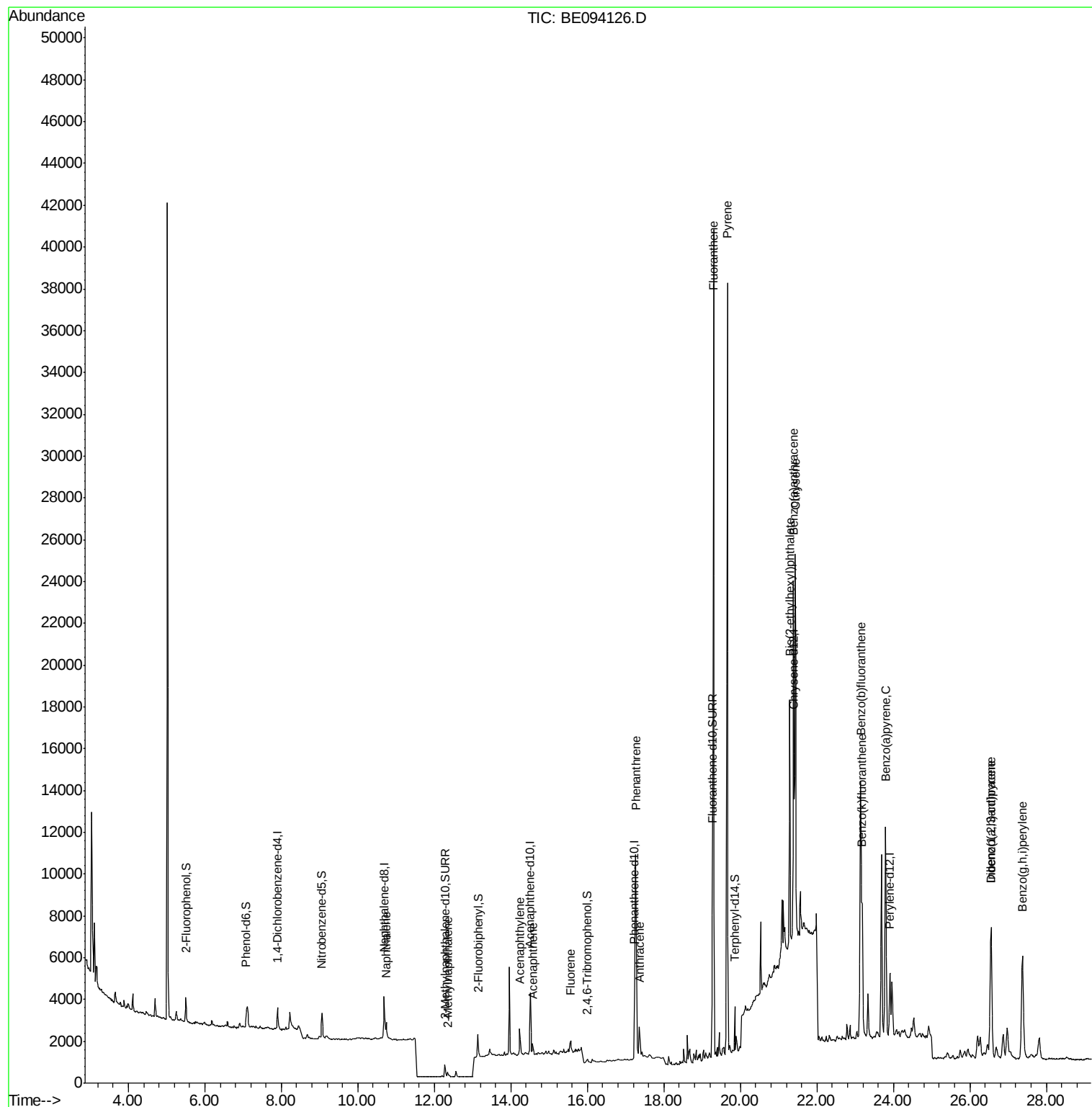
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

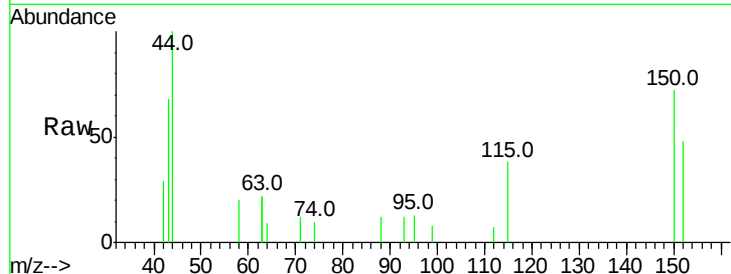
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

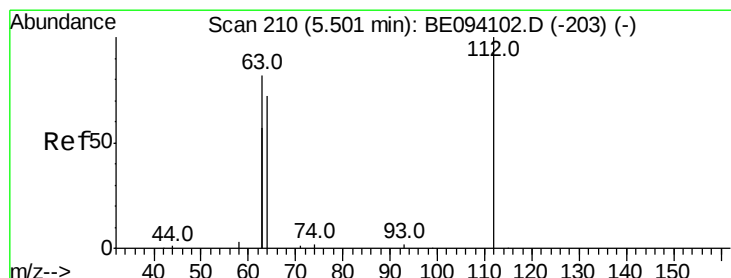
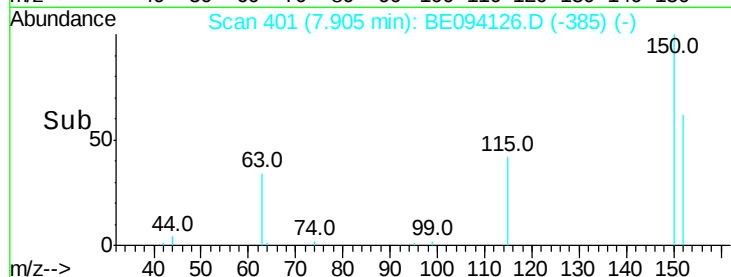
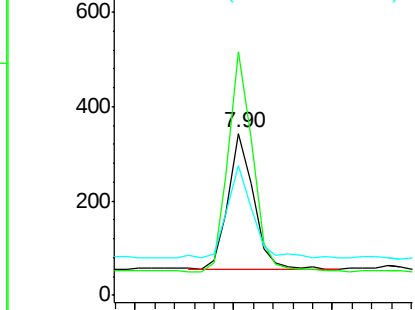
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	117.2	175.8
115	79.9	57.0	85.6

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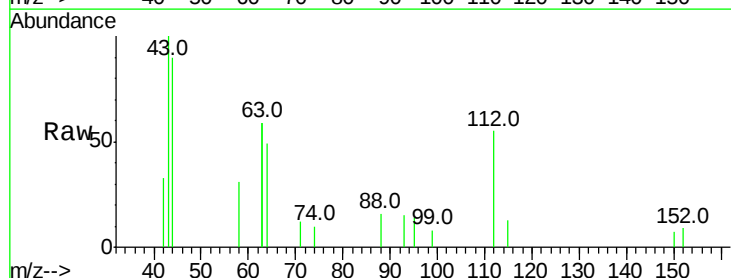
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



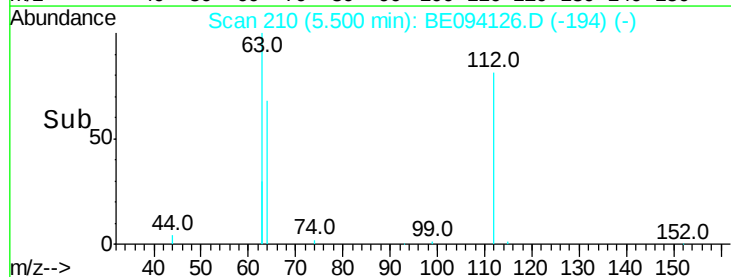
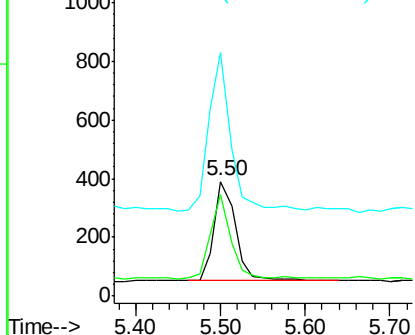
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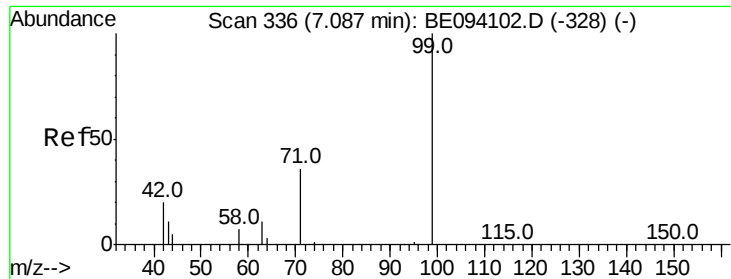
2-Fluorophenol
Concen: 0.316 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.1	60.1	90.1
63	158.2	116.8	175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.276 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Instrument :

BNA_E

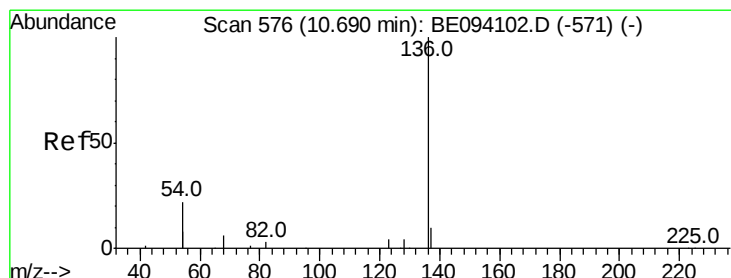
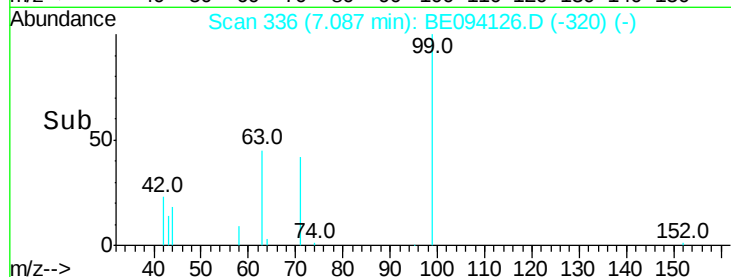
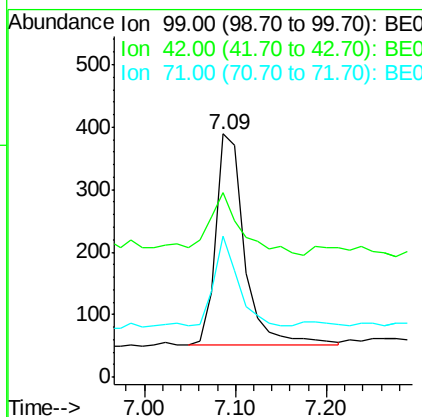
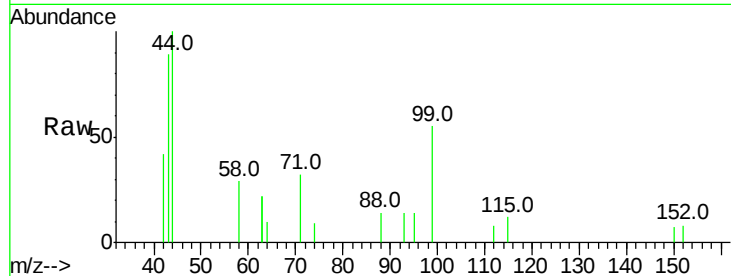
ClientSampled :

LT-TS-003DL

Tot Ion:	99	Resp:	743
Ion	Ratio	Lower	Upper
99	100		
42	38.9	20.2	30.2#
71	38.5	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

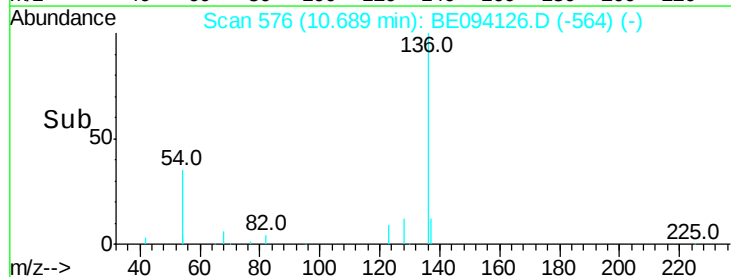
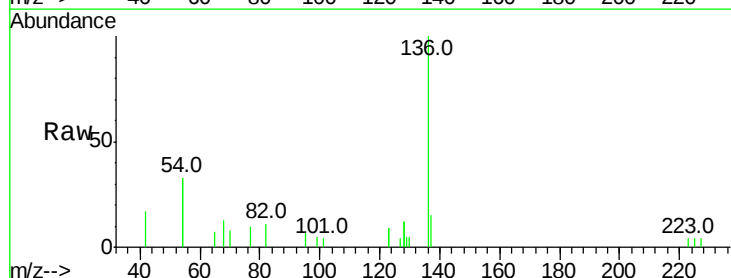
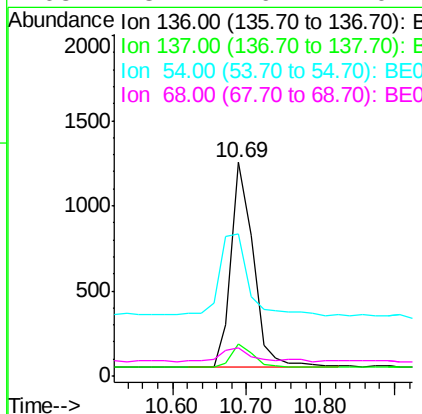
RT: 10.69 min Scan# 576

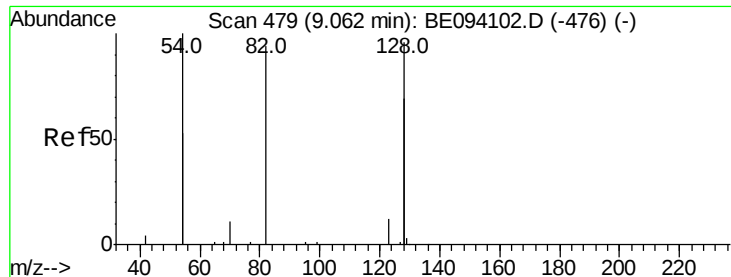
Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Tgt Ion:	136	Resp:	2525
Ion	Ratio	Lower	Upper
136	100		
137	15.1	9.5	14.3#
54	66.8	29.1	43.7#
68	13.2	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.278 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Instrument :

BNA_E

ClientSampleId :

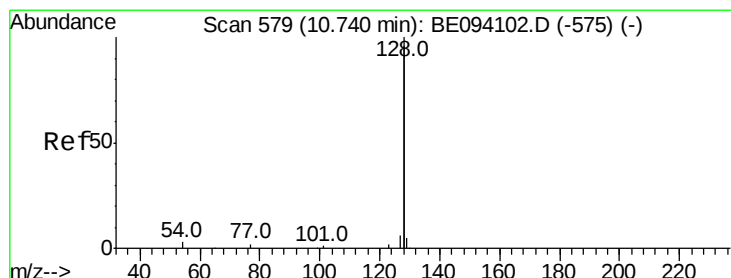
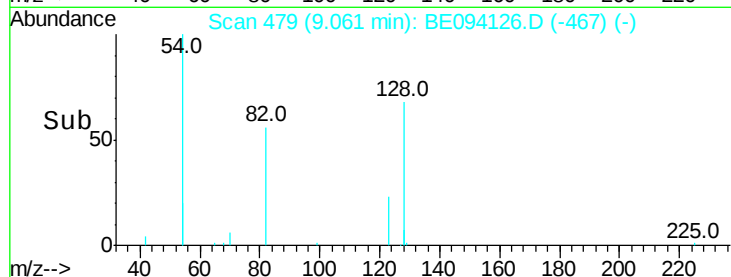
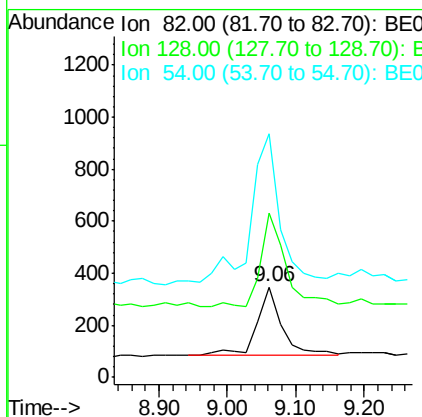
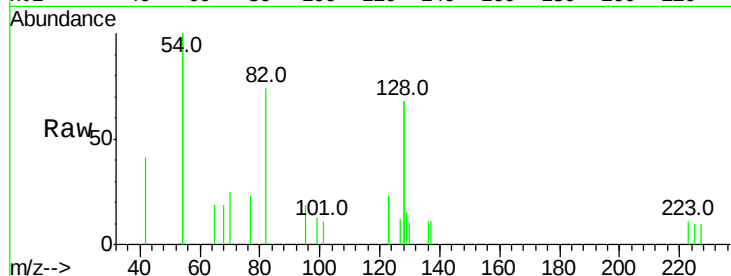
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Tot Ion	Ratio	Lower	Upper
82	100		
128	182.1	150.0	225.0
54	269.7	154.2	231.4#

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#9

Naphthalene

Concen: 0.048 ng

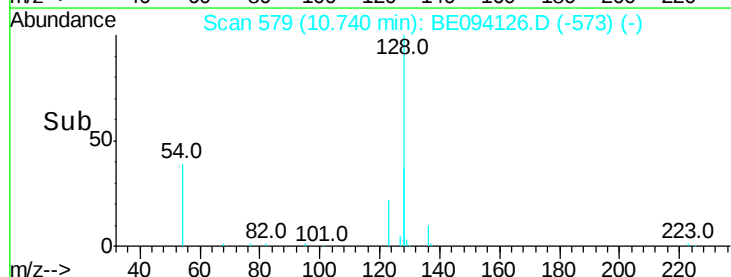
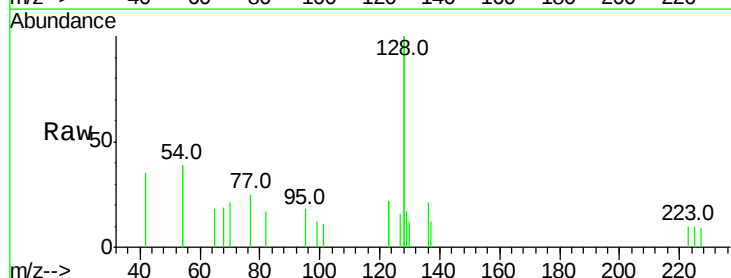
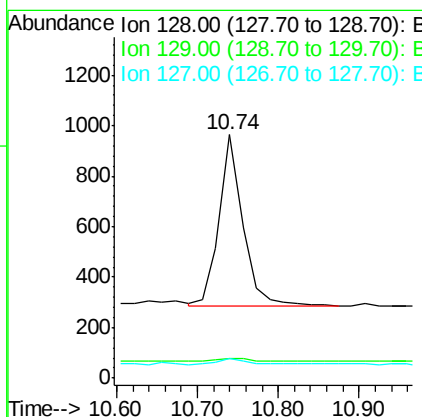
RT: 10.74 min Scan# 579

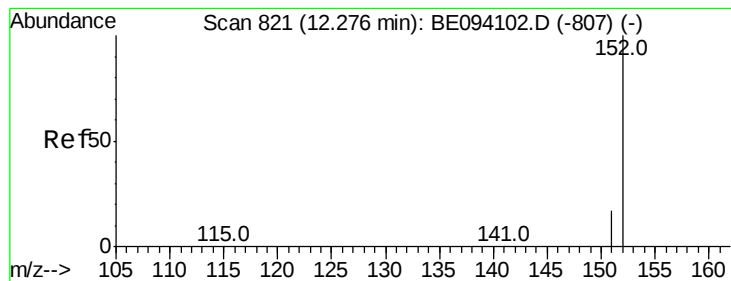
Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	8.3	2.6	3.8#
127	7.9	2.8	4.2#





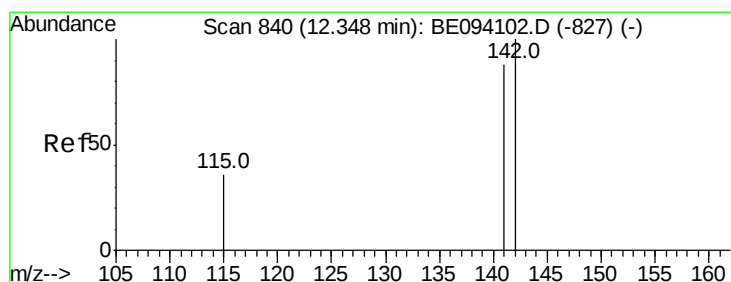
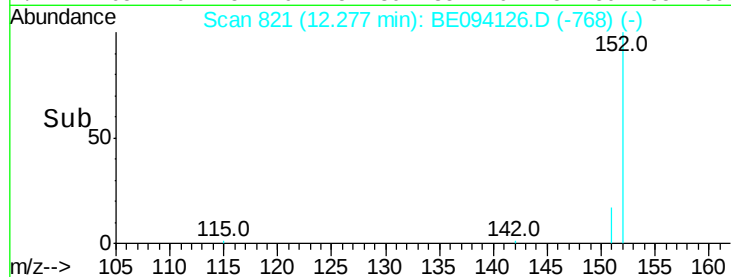
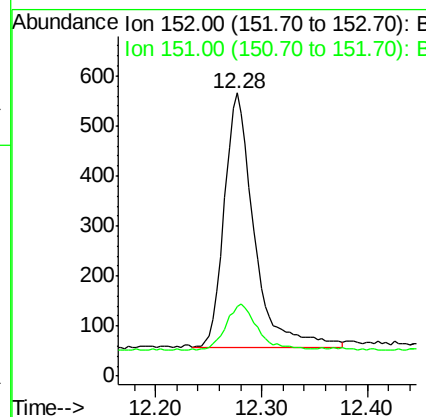
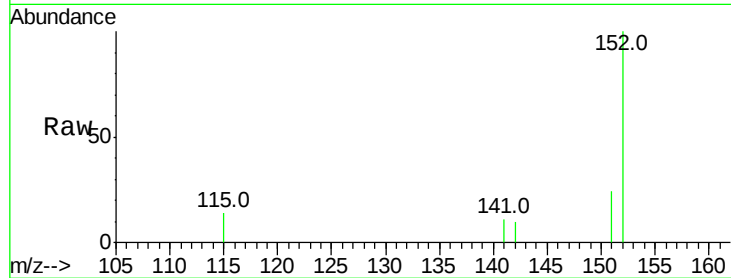
#11
 2-Methylnaphthalene-d10
 Concen: 0.254 ng
 RT: 12.28 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BE094126.D
 Acq: 26 Sep 2017 11:00

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0

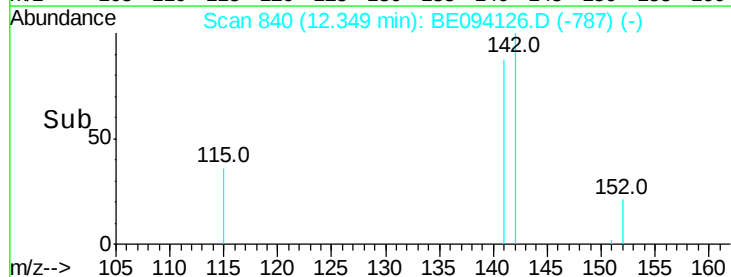
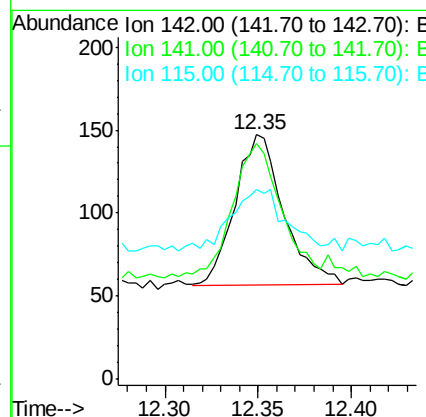
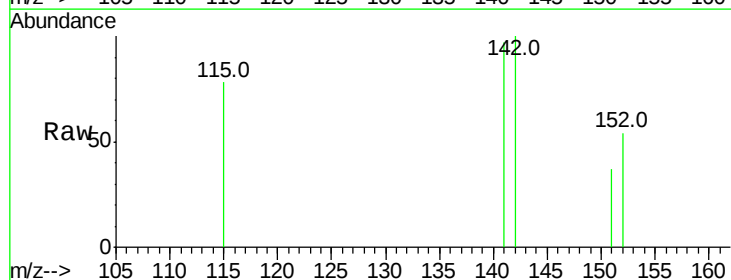
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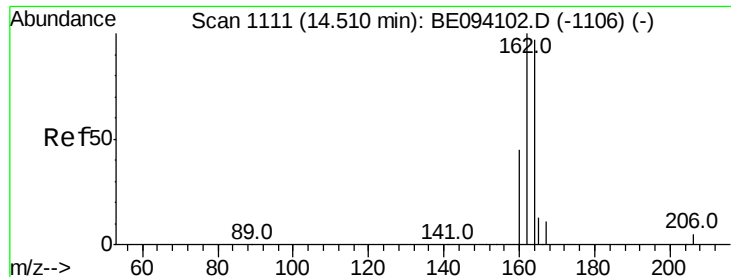
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#12
 2-Methylnaphthalene
 Concen: 0.036 ng
 RT: 12.35 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BE094126.D
 Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.6	70.4	105.6
115	77.6	31.7	47.5#





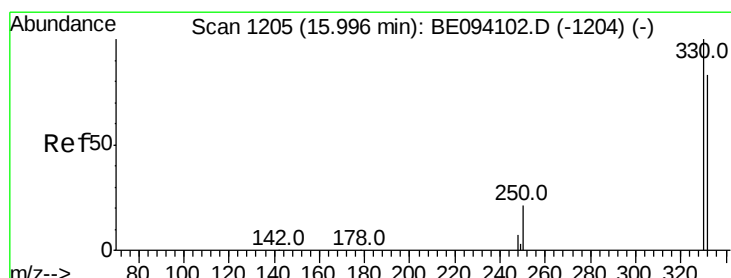
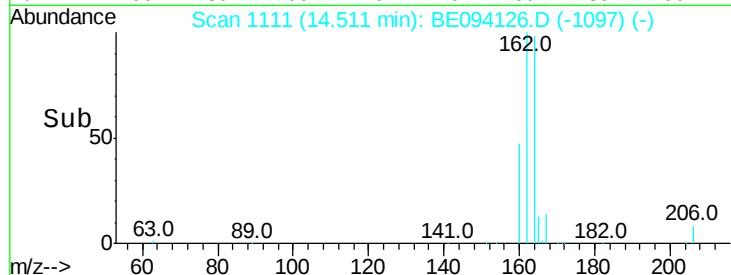
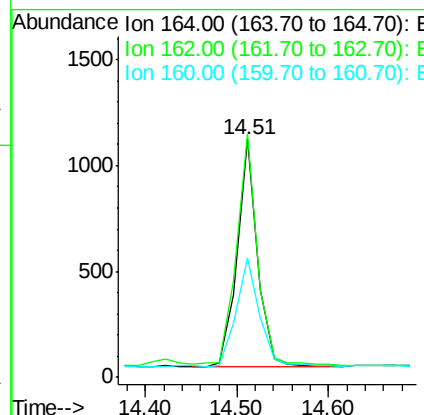
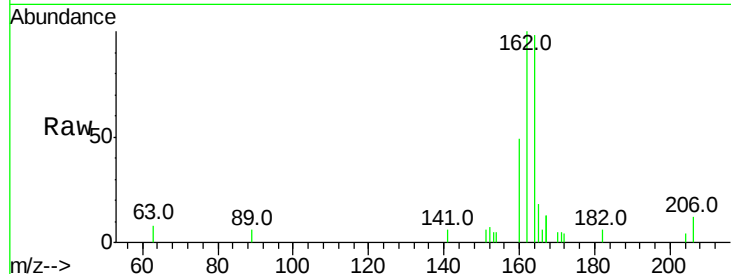
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.1	124.7
160	50.1	37.1	55.7

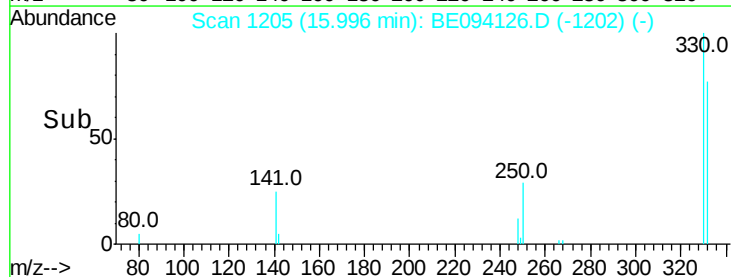
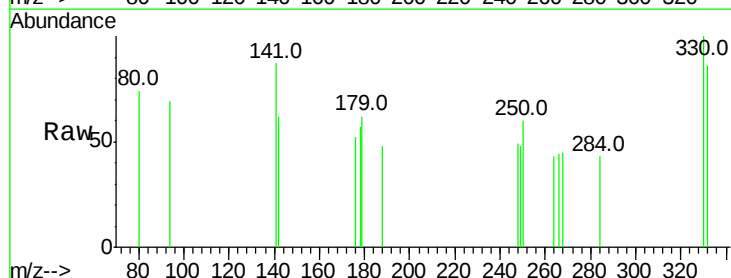
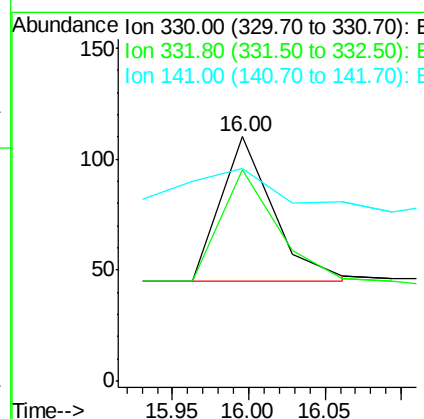
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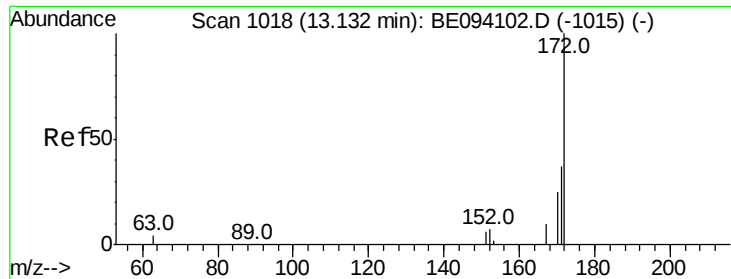
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#14
2,4,6-Tribromophenol
Concen: 0.138 ng
RT: 16.00 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	82.5	152.7	229.1#
141	0.0	33.7	50.5#





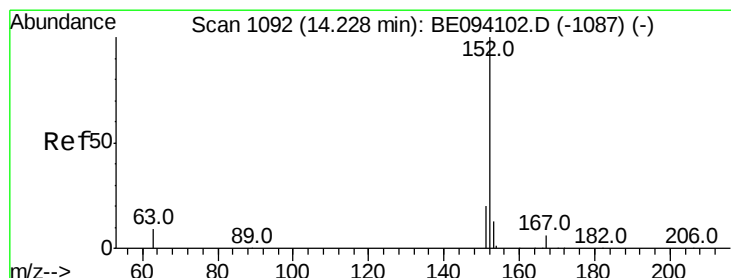
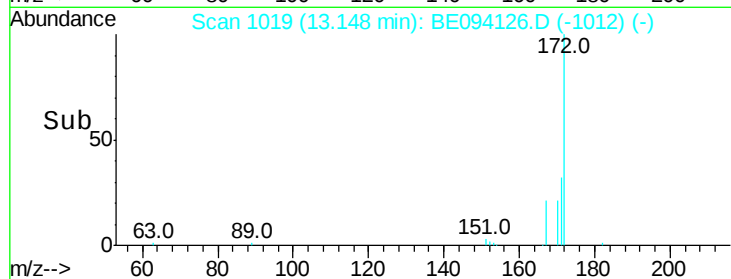
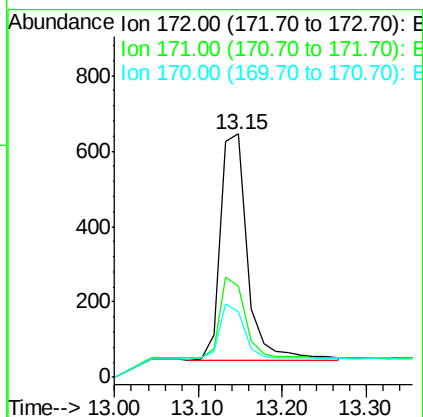
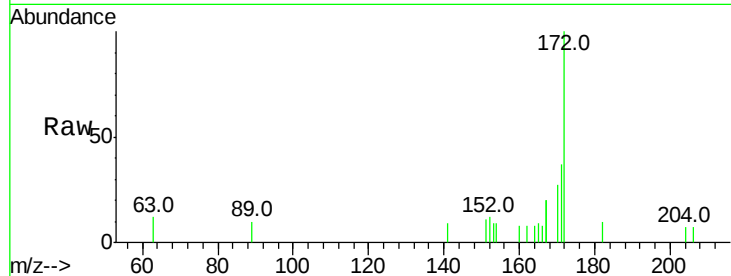
#15
2-Fluorobiphenyl
Concen: 0.245 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.02 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.9	44.9
170	27.2	21.8	32.8

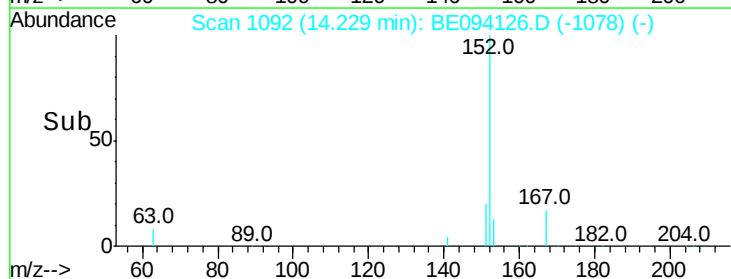
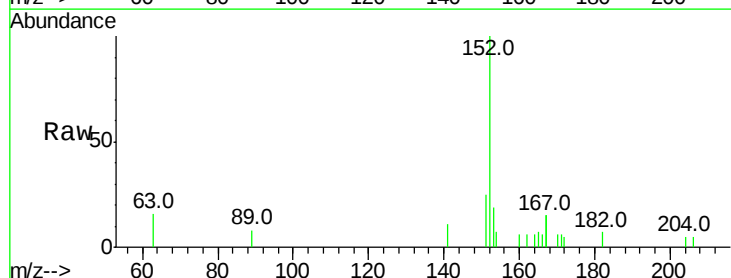
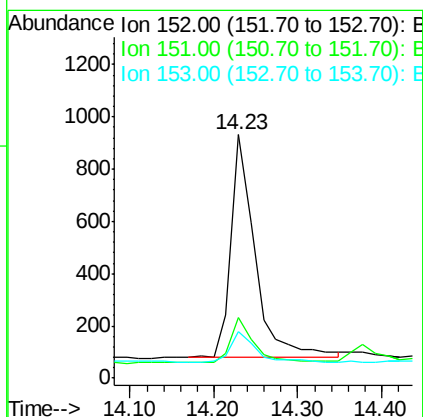
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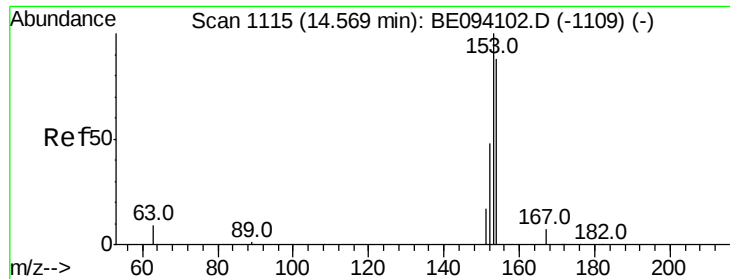
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#16
Acenaphthylene
Concen: 0.206 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	14.1	10.5	15.7





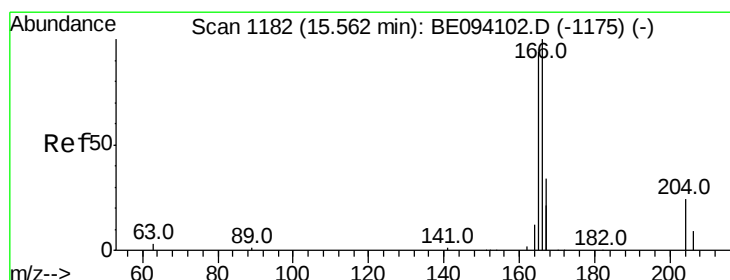
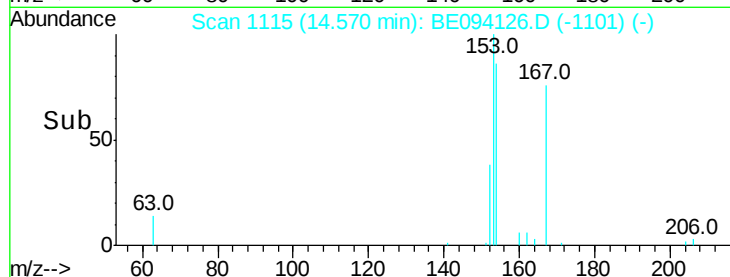
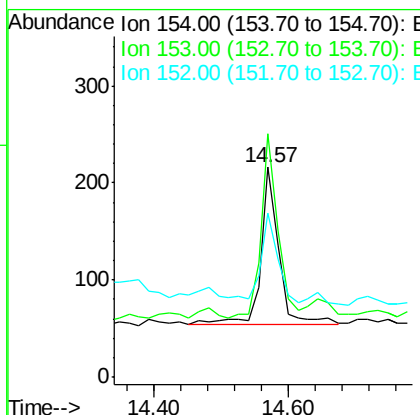
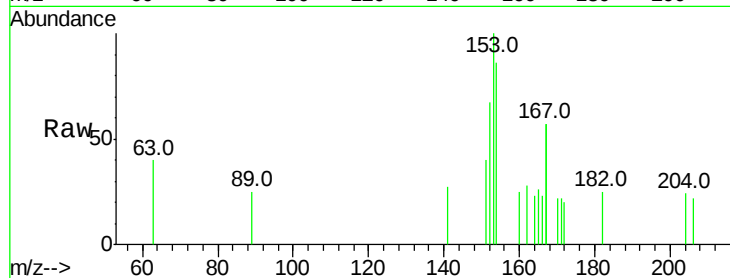
#17
Acenaphthene
Concen: 0.059 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	107.9	89.2	133.8
152	52.8	42.0	63.0

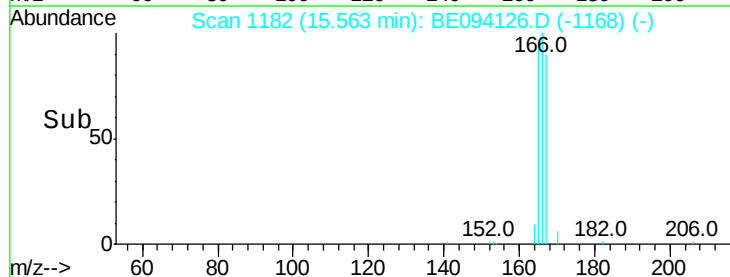
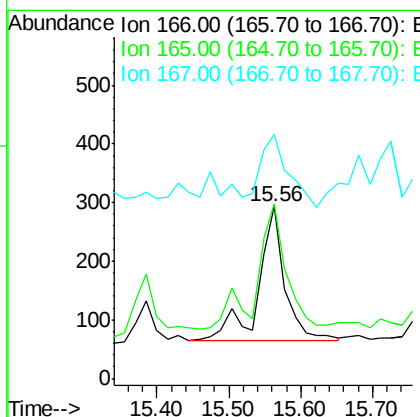
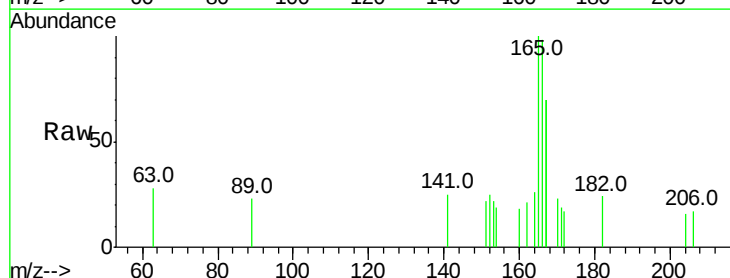
Manual Integrations
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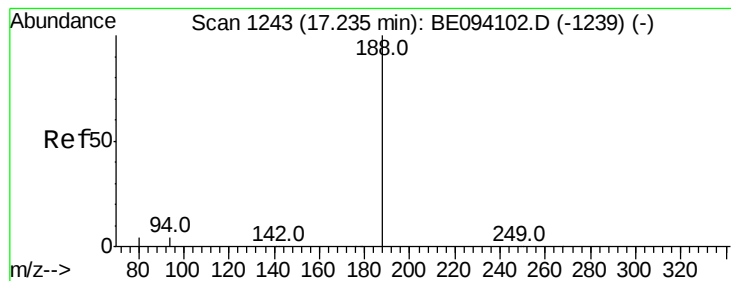
Sohil
9/27/2017 12:45:38 PM



#18
Fluorene
Concen: 0.085 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.5	77.8	116.6
167	57.0	42.4	63.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Instrument :

BNA_E

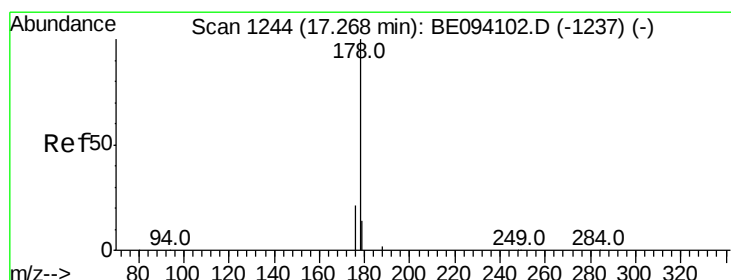
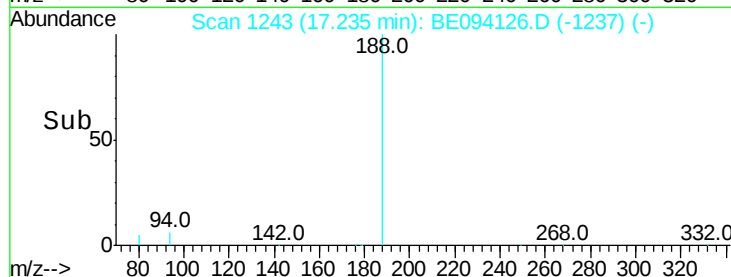
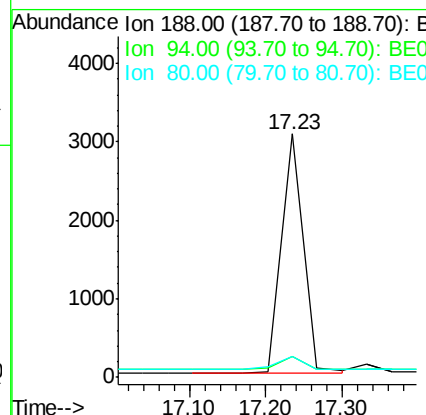
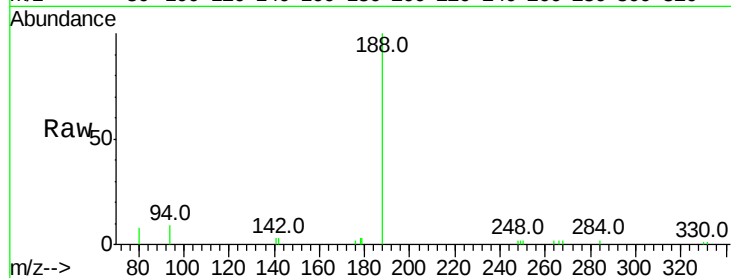
ClientSampleId :

LT-TS-003DL

Tot Ion:	188	Resp:	6174
Ion Ratio	Lower	Upper	
188	100		
94	8.7	3.9	5.9#
80	8.4	3.6	5.4#

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#23

Phenanthrene

Concen: 0.946 ng

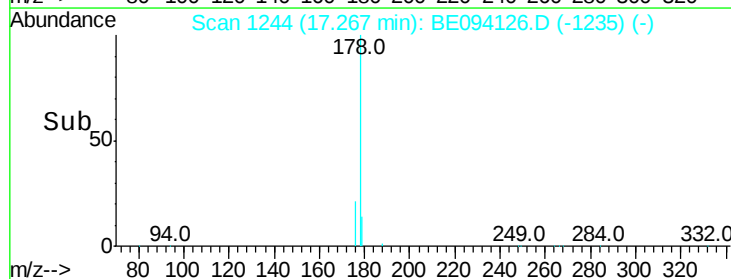
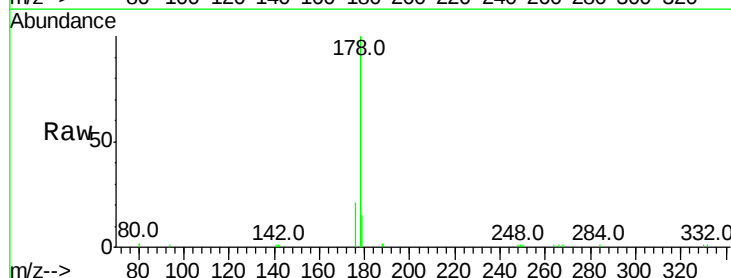
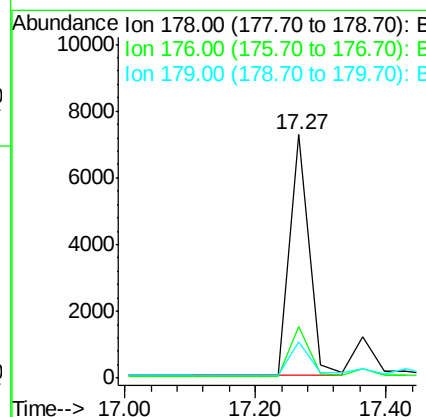
RT: 17.27 min Scan# 1244

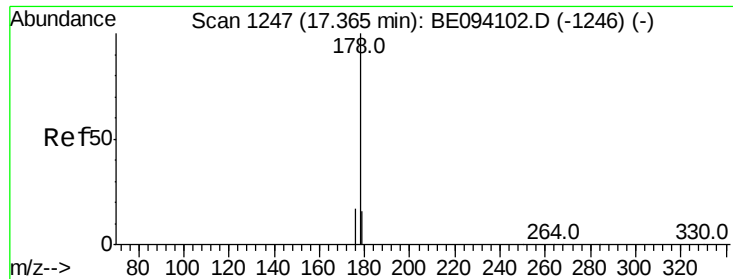
Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Tgt Ion:	178	Resp:	14938
Ion Ratio	Lower	Upper	
178	100		
176	20.5	15.1	22.7
179	15.3	11.8	17.6





#24

Anthracene

Concen: 0.163 ng

RT: 17.36 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Instrument :

BNA_E

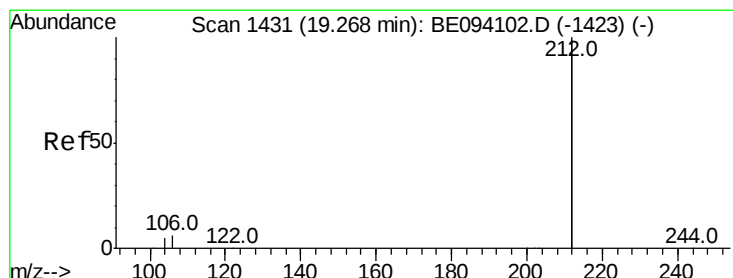
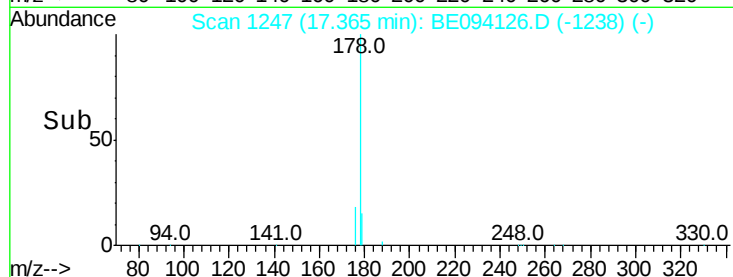
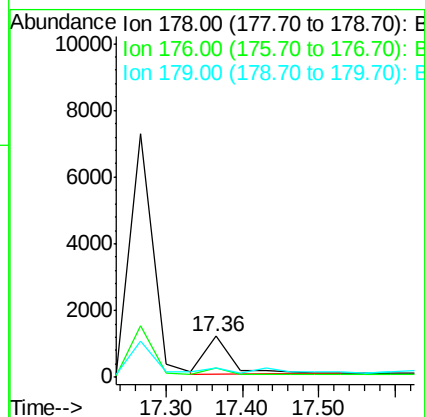
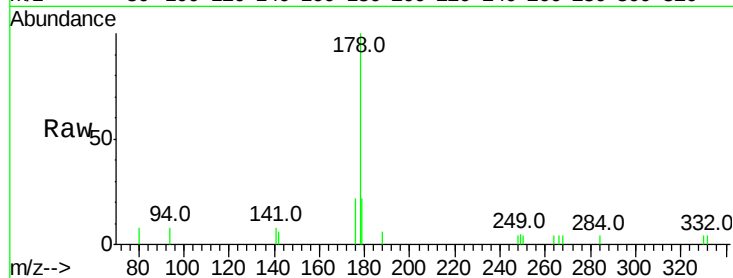
ClientSampleID :

LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	10.8	13.0	19.6#

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#25

Fluoranthene-d10

Concen: 0.188 ng

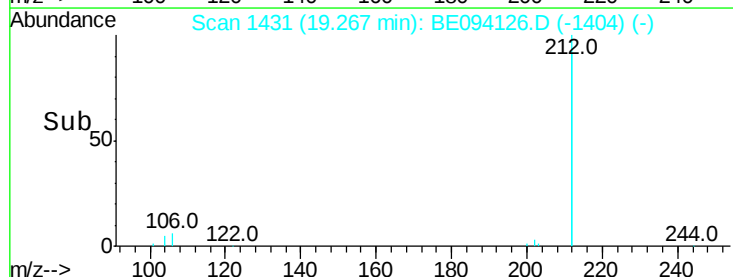
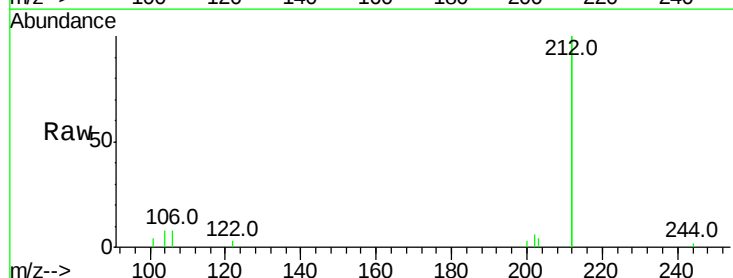
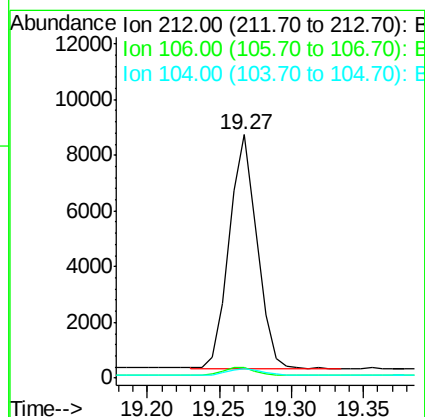
RT: 19.27 min Scan# 1431

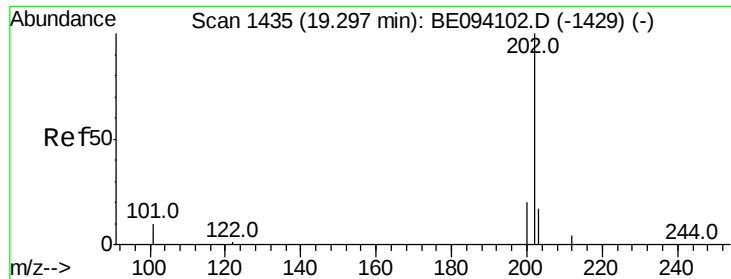
Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.1	2.8	4.2
104	3.7	1.6	2.4#





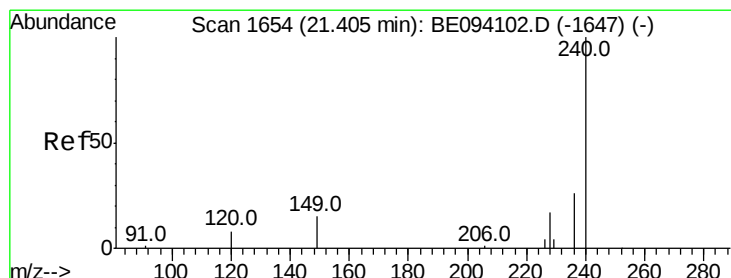
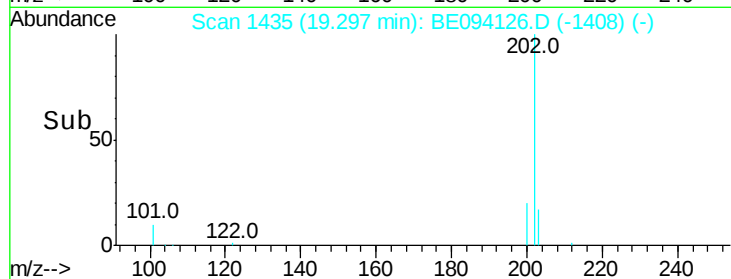
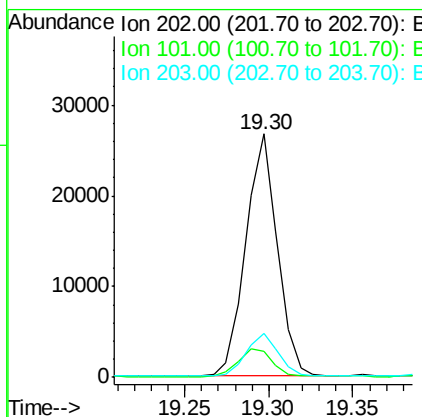
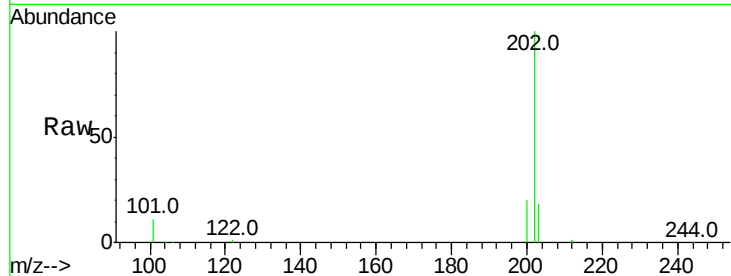
#26
 Fluoranthene
 Concen: 1.972 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094126.D
 Acq: 26 Sep 2017 11:00

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-003DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	34898		
101	12.1		9.8	14.8
203	17.5		13.7	20.5

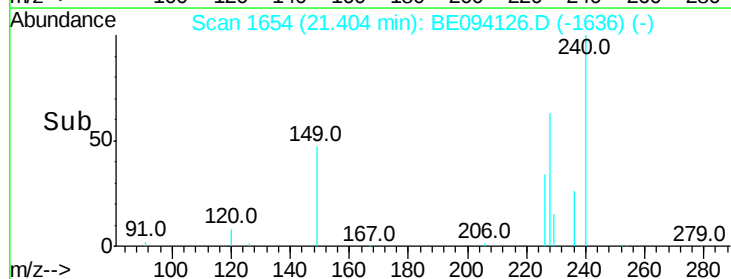
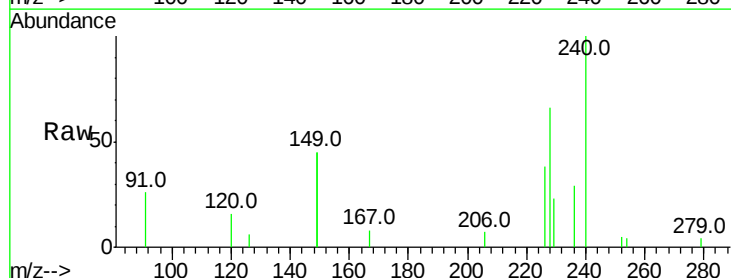
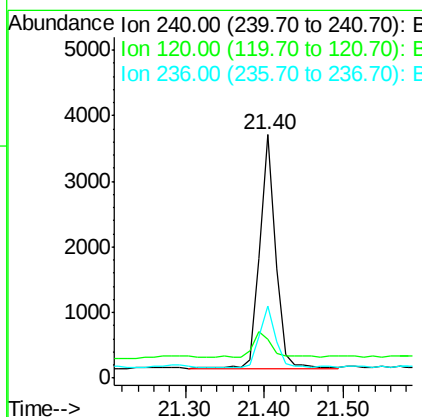
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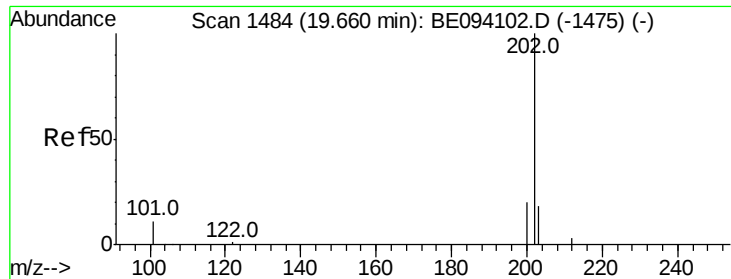
Sohil
 9/27/2017 12:45:38 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094126.D
 Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	4887		
120	15.9		5.5	8.3#
236	29.4		20.7	31.1





#28

Pvrene

Concen: 2.286 ng

RT: 19.66 min Scan# 1484

Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Instrument :

BNA_E

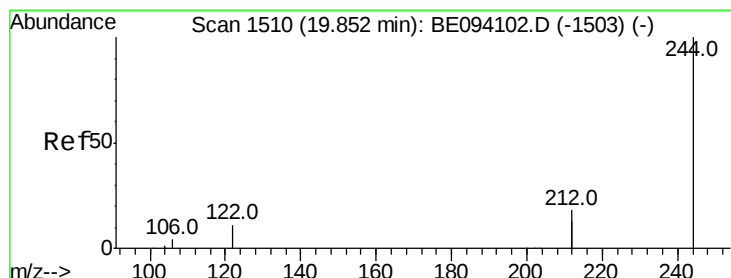
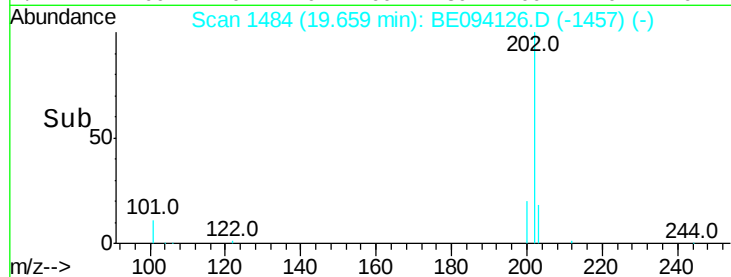
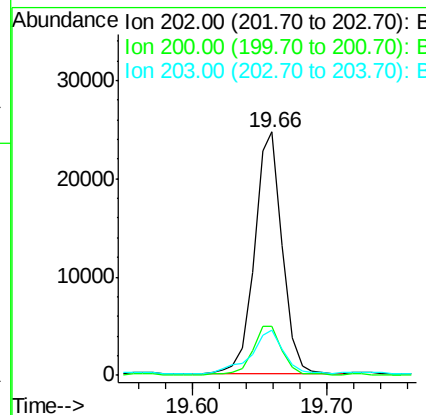
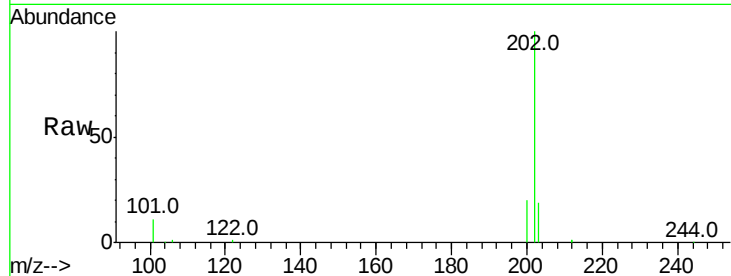
ClientSampleId :

LT-TS-003DL

Tot Ion:	202	Resp:	35405
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.6	25.0
203	21.2	13.8	20.8

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#29

Terphenyl-d14

Concen: 0.194 ng

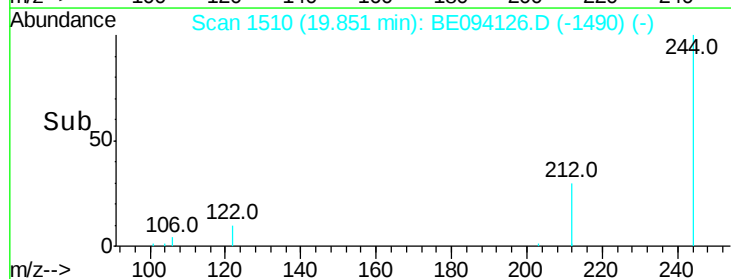
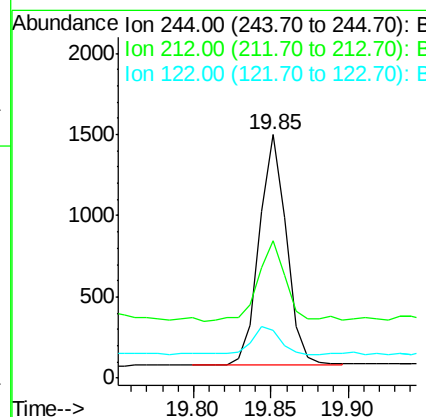
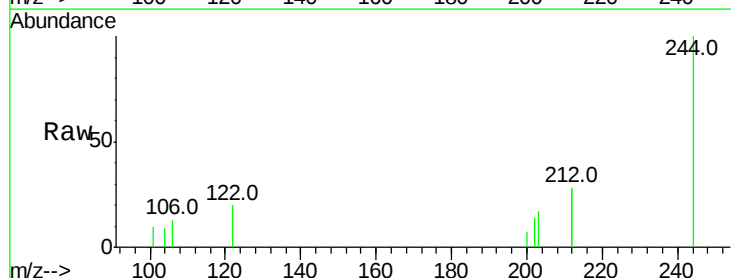
RT: 19.85 min Scan# 1510

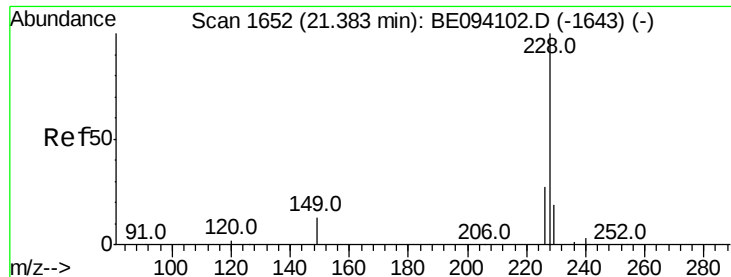
Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Tgt Ion:	244	Resp:	1730
Ion Ratio	Lower	Upper	
244	100		
212	56.4	25.4	38.0
122	19.6	8.1	12.1





#30

Benzo(a)anthracene

Concen: 1.026 ng

RT: 21.38 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Instrument :

BNA_E

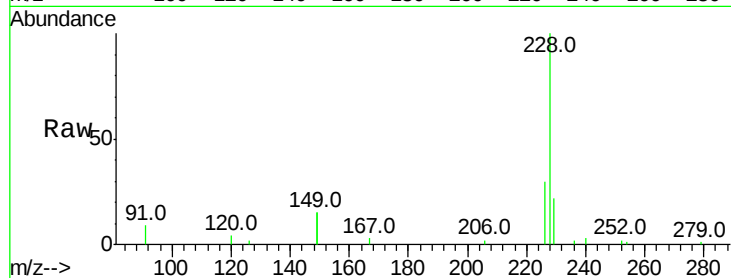
ClientSampleId :

LT-TS-003DL

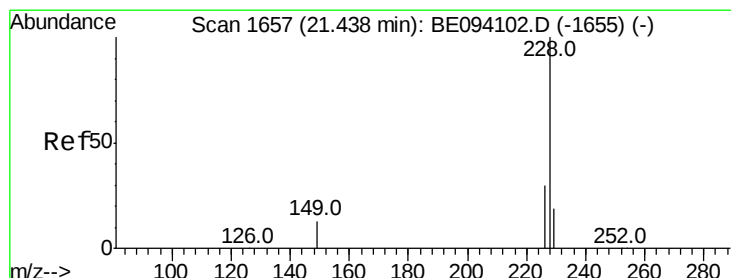
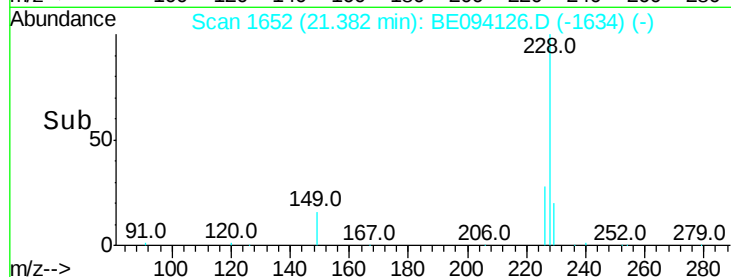
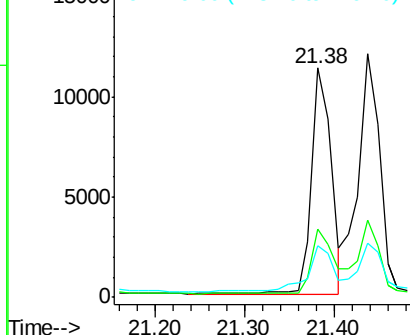
Tot Ion:228	Resp:	16879
Ion Ratio	Lower	Upper
228	100	
226	29.5	21.4 32.0
229	22.3	16.4 24.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 1.261 ng

RT: 21.44 min Scan# 1657

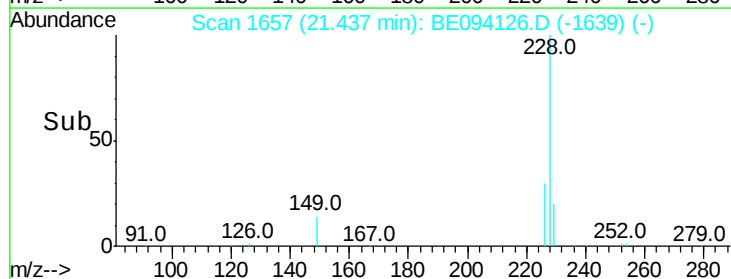
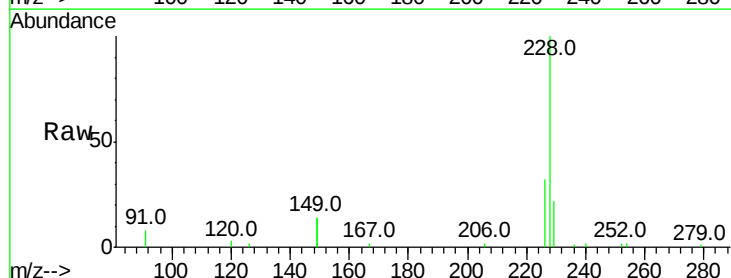
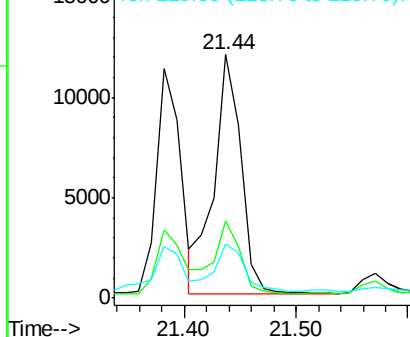
Delta R.T. -0.00 min

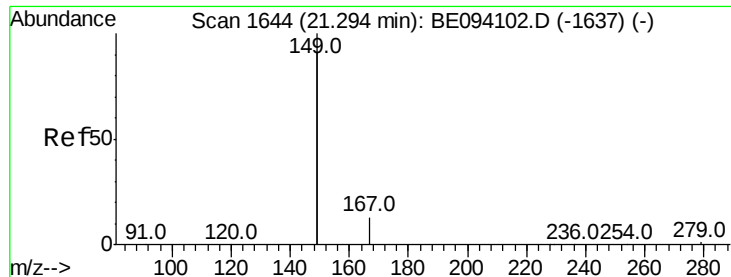
Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Tgt Ion:228	Resp:	20032
Ion Ratio	Lower	Upper
228	100	
226	31.5	23.6 35.4
229	22.1	16.4 24.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





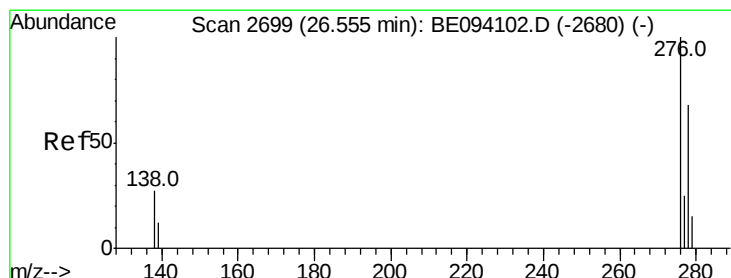
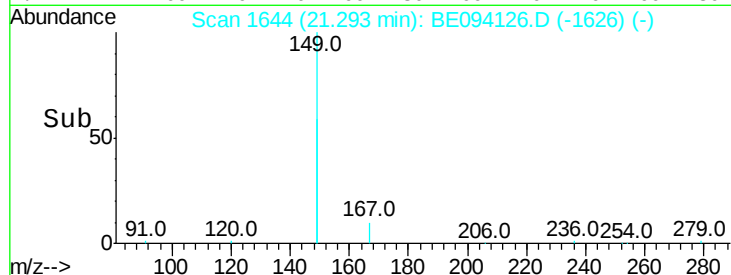
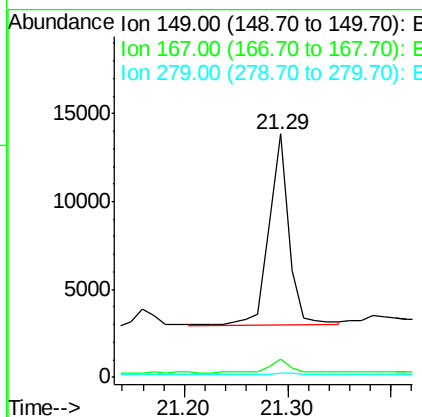
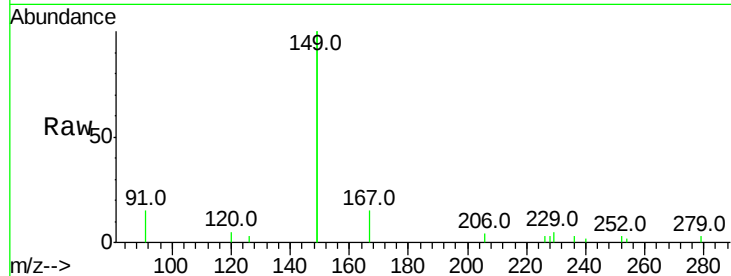
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.101 ng
RT: 21.29 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.0	0.7	1.1

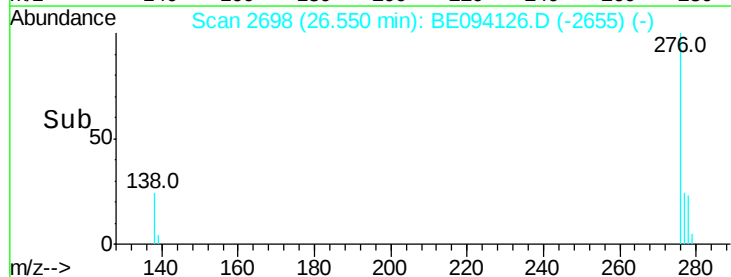
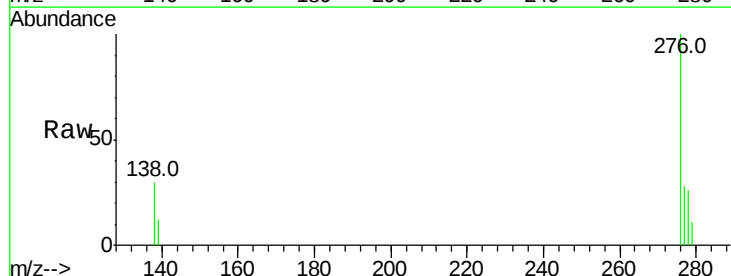
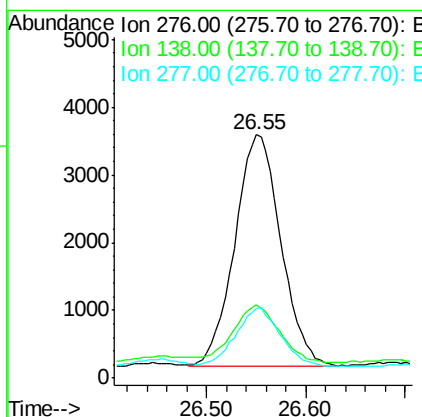
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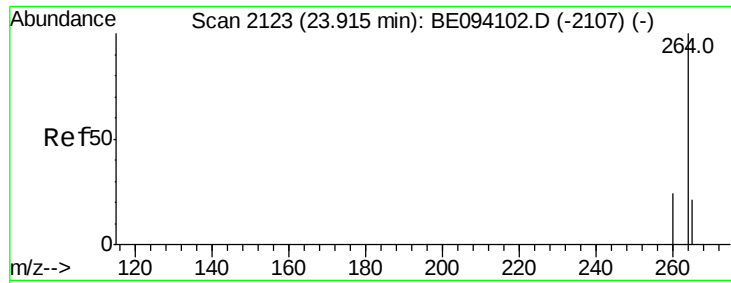
Sohil
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.653 ng
RT: 26.55 min Scan# 2698
Delta R.T. -0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	22.5	33.7
277	24.4	19.9	29.9





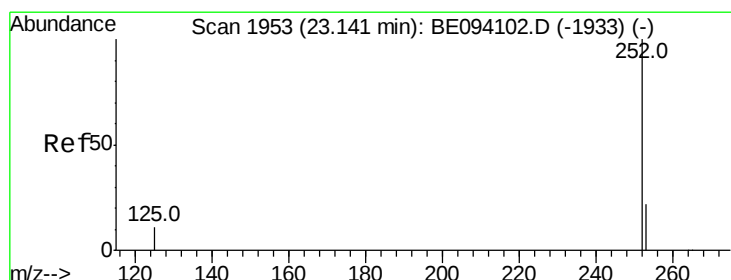
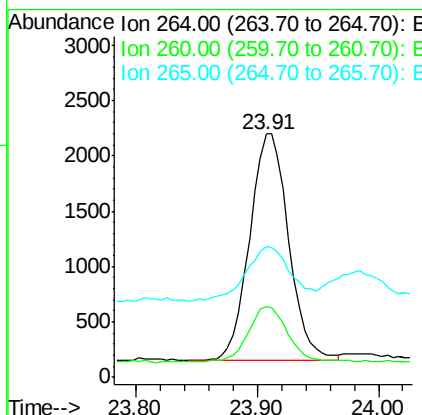
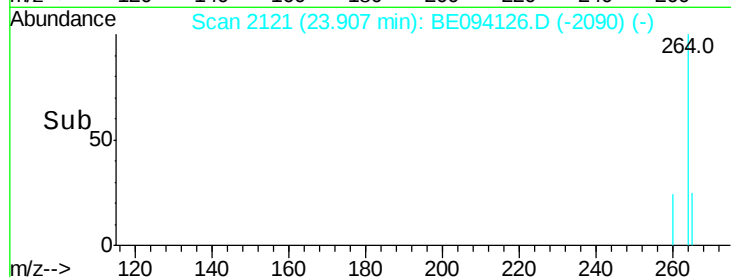
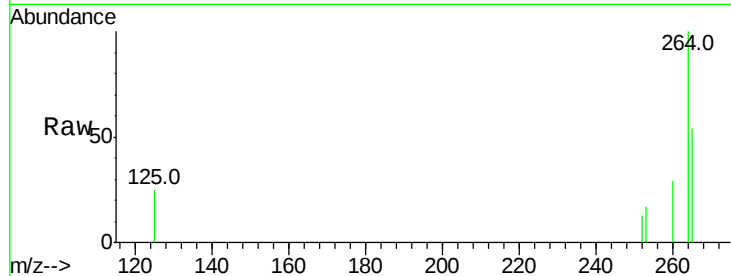
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Instrument :
BNA_E
ClientSampleId :
LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.0	20.5	30.7
265	53.8	22.8	34.2#

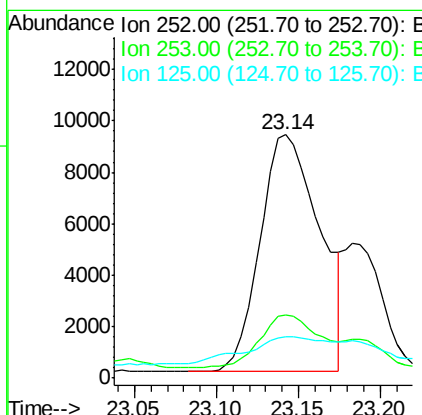
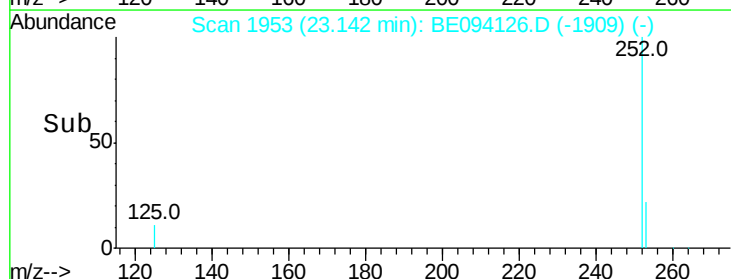
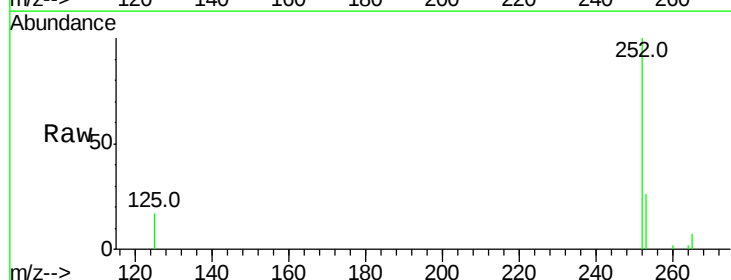
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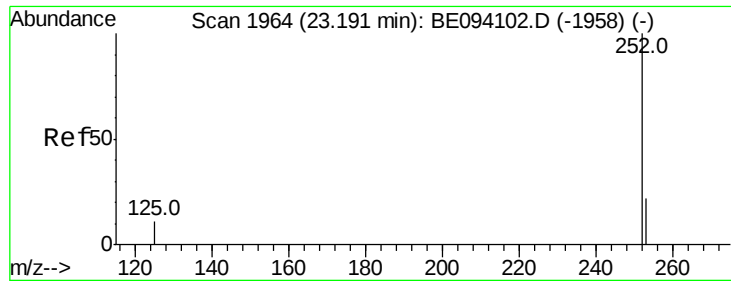
Sohil
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#35
Benzo(b)fluoranthene
Concen: 1.427 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094126.D
Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.2	27.2
125	16.9	10.1	15.1#





#36

Benzo(k)fluoranthene

Concen: 0.538 ng m

RT: 23.18 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Instrument :

BNA_E

ClientSampleId :

LT-TS-003DL

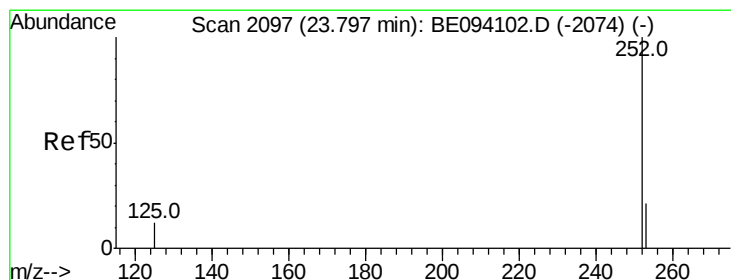
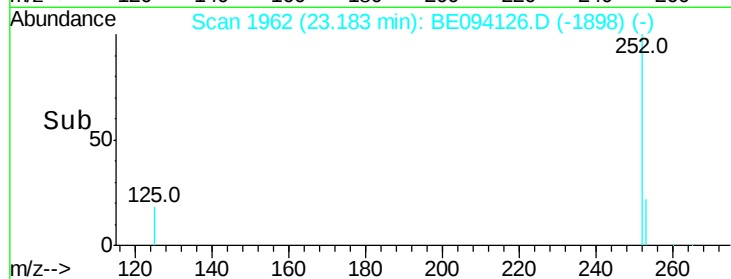
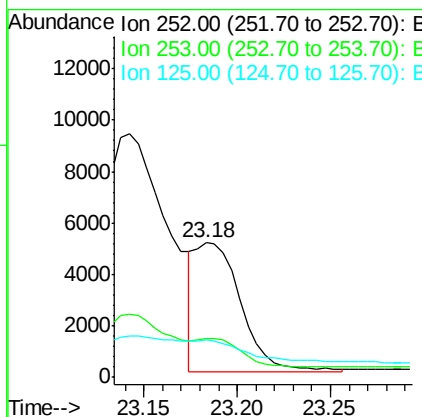
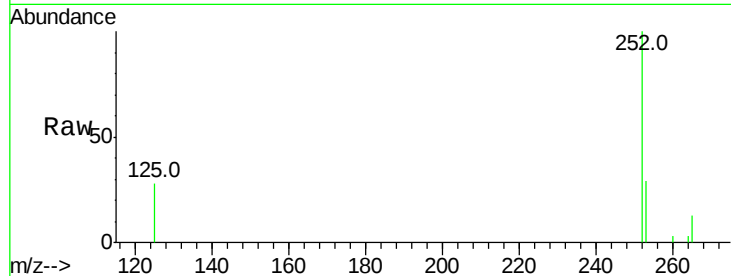
Tot Ion:252 Resp: 8423

Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.6	27.8#
125	27.8	10.7	16.1#

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 1.102 ng

RT: 23.79 min Scan# 2096

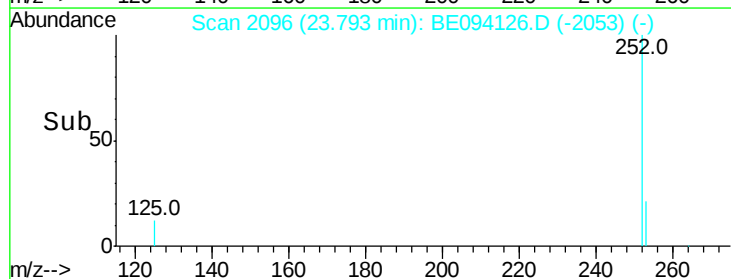
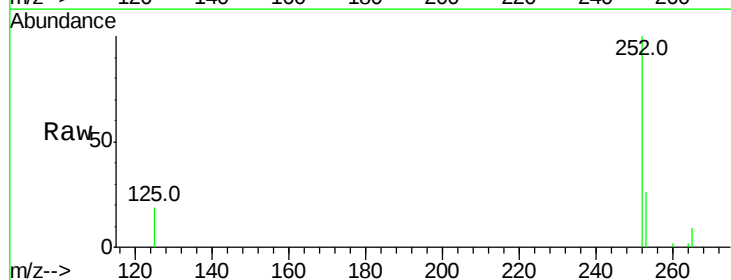
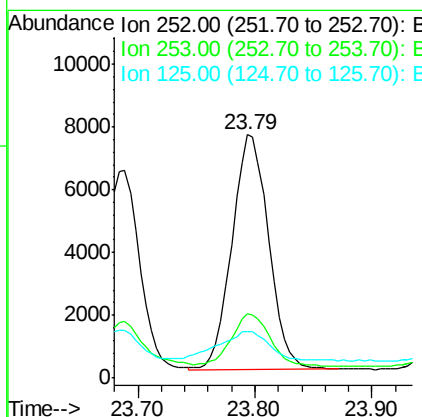
Delta R.T. -0.00 min

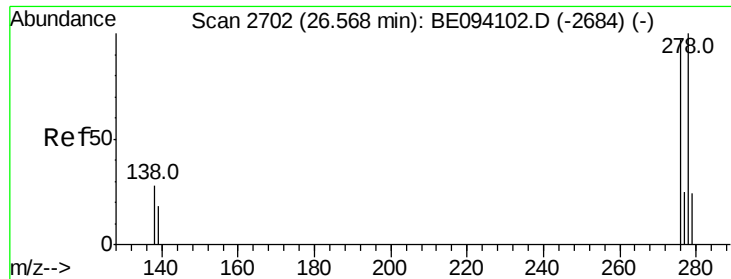
Lab File: BE094126.D

Acq: 26 Sep 2017 11:00

Tgt Ion:252 Resp: 16267

Ion	Ratio	Lower	Upper
252	100		
253	26.5	19.0	28.6
125	19.1	11.8	17.8#





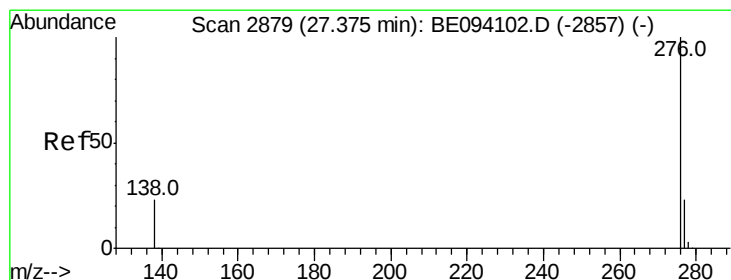
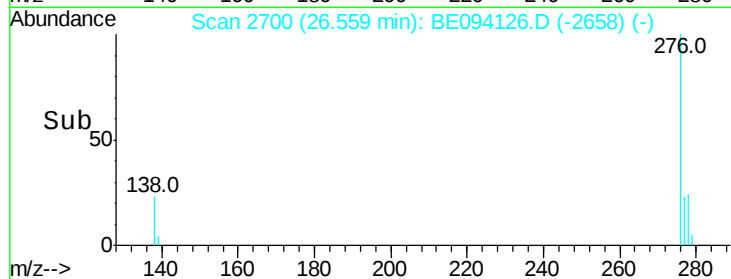
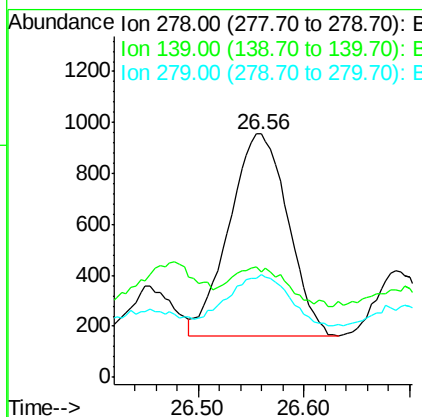
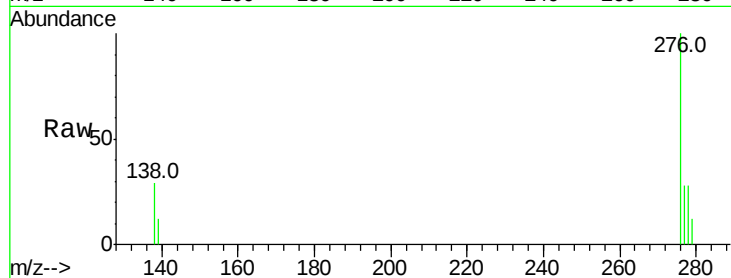
#38
 Dibenzo(a,h)anthracene
 Concen: 0.220 ng
 RT: 26.56 min Scan# 2700
 Delta R.T. -0.01 min
 Lab File: BE094126.D
 Acq: 26 Sep 2017 11:00

Instrument :
 BNA_E
 ClientSampleID :
 LT-TS-003DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	43.0	16.3	24.5#
279	41.9	19.9	29.9#

Manual Integrations
 APPROVED

Sohil
 9/27/2017 12:45:38 PM



#39
 Benzo(g,h,i)perylene
 Concen: 0.859 ng
 RT: 27.37 min Scan# 2878
 Delta R.T. -0.00 min
 Lab File: BE094126.D
 Acq: 26 Sep 2017 11:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	20.8	31.2
138	29.7	21.5	32.3

