

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094110.D
 Acq On : 25 Sep 2017 19:53
 Operator : SJ/JU
 Sample : I5340-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-008

Manual Integrations
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Quant Time: Sep 26 02:37:12 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	7.91	152	1542	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7283	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4525	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	16826	0.40	ng	0.00
27) Chrysene-d12	21.40	240	16655	0.40	ng	0.00
34) Perylene-d12	23.91	264	15570	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1808	0.31	ng	0.00
5) Phenol-d6	7.09	99	2179	0.27	ng	0.00
8) Nitrobenzene-d5	9.06	82	1862	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	2196	0.20	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	477	0.16	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	3036	0.20	ng	0.00
25) Fluoranthene-d10	19.27	212	28528	0.18	ng	0.00
29) Terphenyl-d14	19.85	244	4161	0.14	ng	0.00
Target Compounds						
9) Naphthalene	10.74	128	2272	0.028	ng	Qvalue # 90
12) 2-Methylnaphthalene	12.35	142	356	0.027	ng	# 78
16) Acenaphthylene	14.23	152	4625	0.204	ng	99
17) Acenaphthene	14.57	154	510	0.036	ng	# 87
18) Fluorene	15.56	166	1061m	0.055	ng	
22) Pentachlorophenol	16.91	266	123	0.031	ng	90
23) Phenanthrene	17.27	178	40176	0.933	ng	98
24) Anthracene	17.37	178	4946	0.110	ng	# 94
26) Fluoranthene	19.29	202	86727	1.798	ng	99
28) Pyrene	19.65	202	86370	1.637	ng	# 96
30) Benzo(a)anthracene	21.38	228	41820	0.746	ng	98
31) Chrysene	21.44	228	51720	0.956	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	31750	0.548	ng	96
35) Benzo(b)fluoranthene	23.14	252	66125	1.177	ng	98
36) Benzo(k)fluoranthene	23.18	252	24660m	0.458	ng	
37) Benzo(a)pyrene	23.79	252	45104	0.889	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	7796	0.162	ng	# 84
39) Benzo(a,h,i)perylene	27.37	276	32430	0.682	ng	99

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

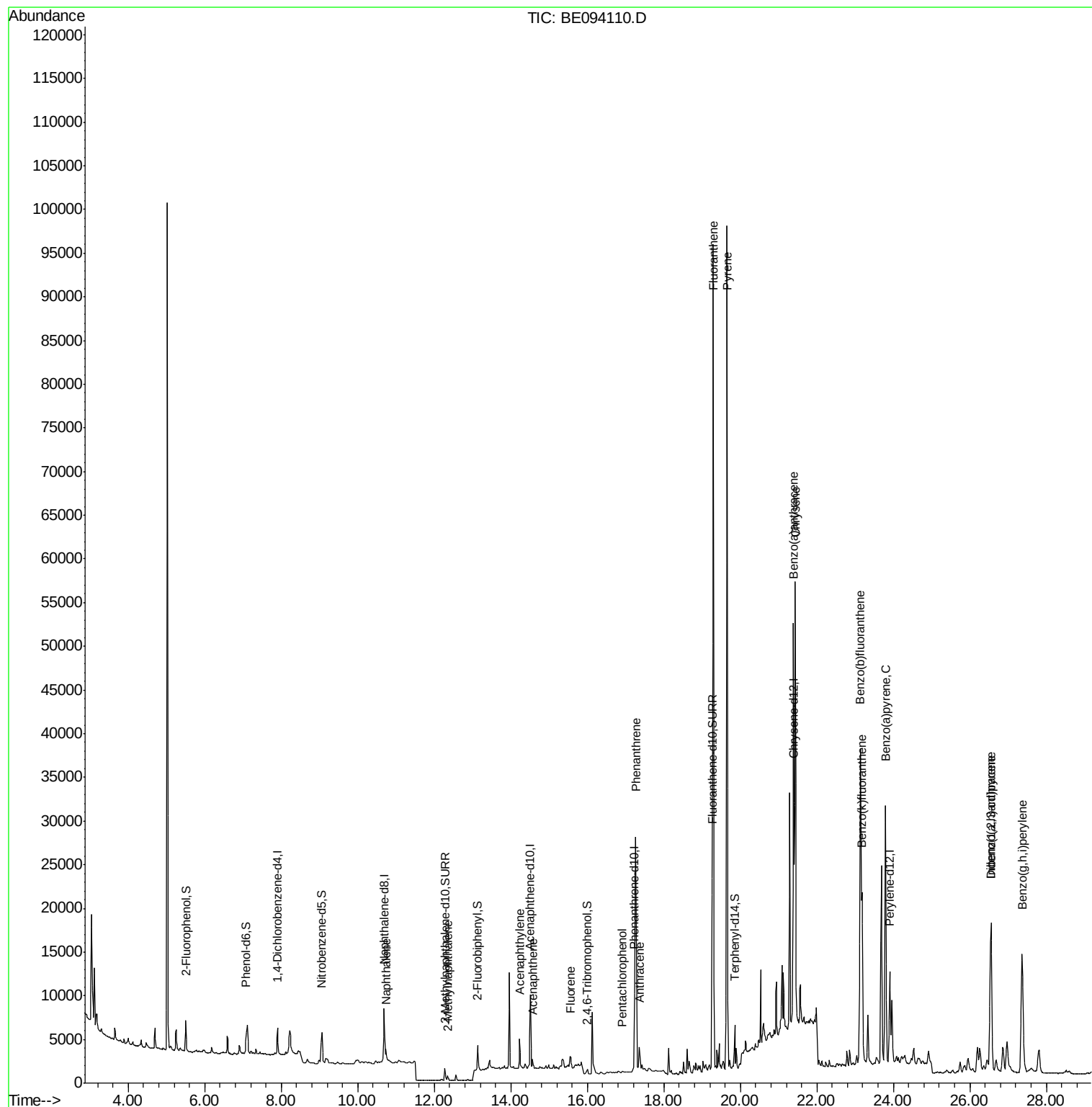
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
Data File : BE094110.D
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ALS Vial : 4 Sample Multiplier: 1

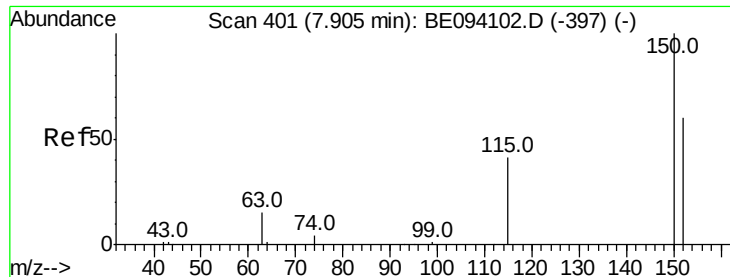
Instrument :
BNA_E
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LT-TS-008

Quant Time: Sep 26 02:37:12 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

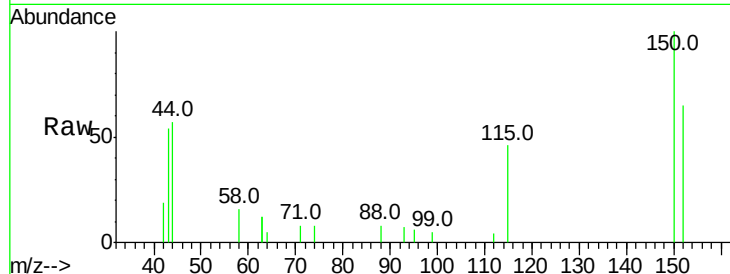
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Instrument :
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ClientSampled :
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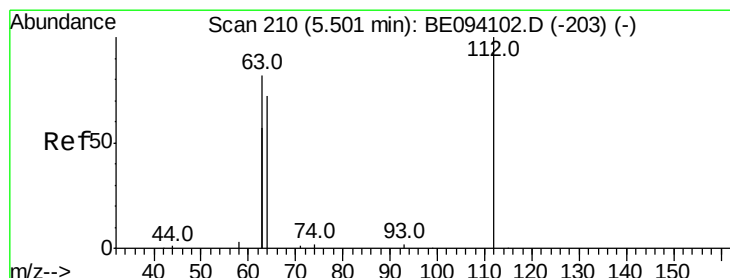
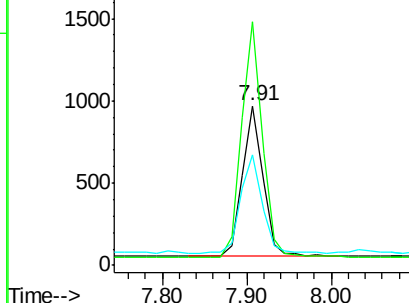
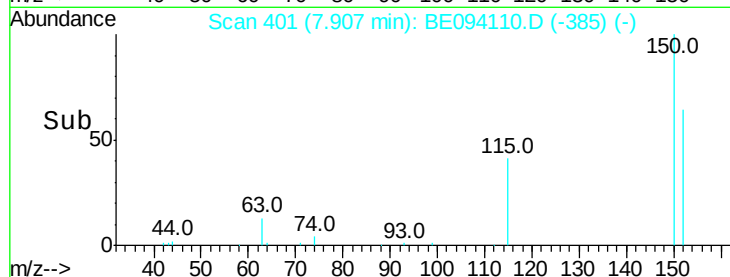
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	117.2	175.8
115	69.6	57.0	85.6

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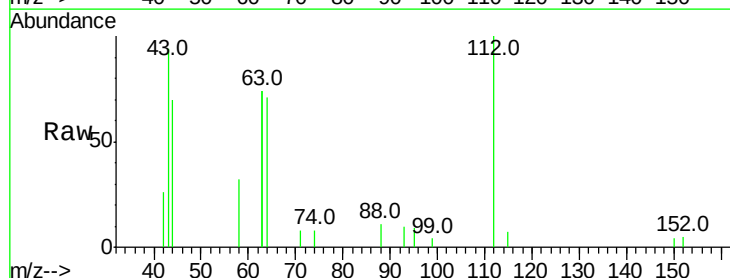
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



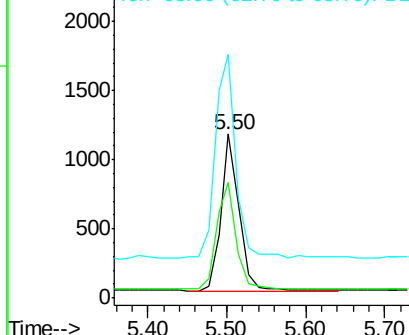
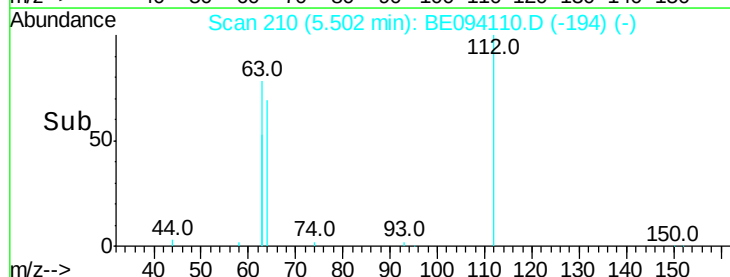
#4

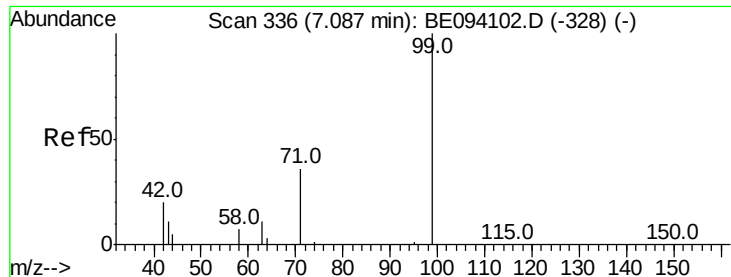
2-Fluorophenol
Concen: 0.309 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.0	60.1	90.1
63	149.9	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: 0.268 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA_E

ClientSampleId :

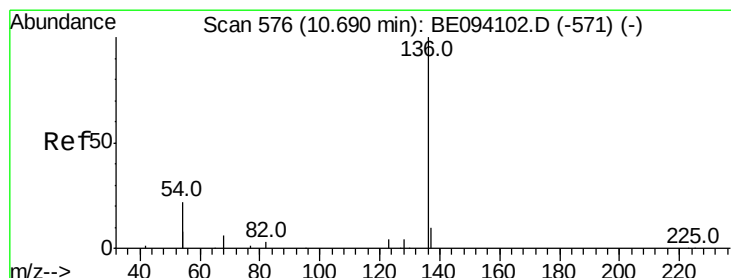
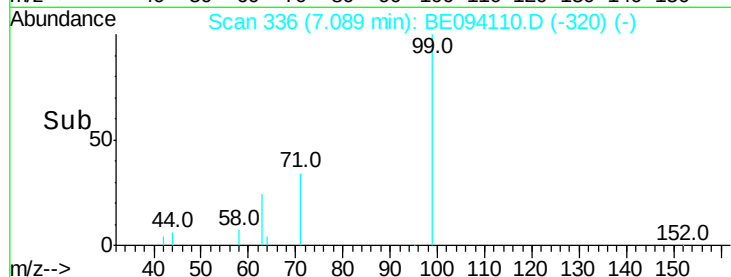
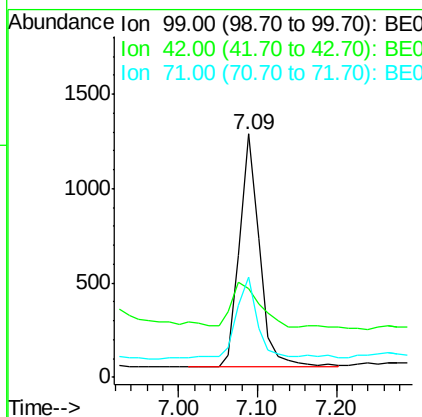
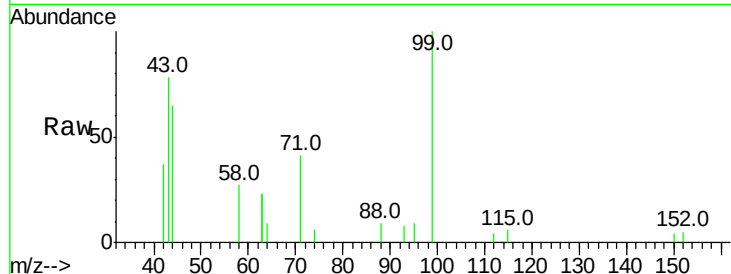
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Tot Ion:	99	Resp:	2179
Ion	Ratio	Lower	Upper
99	100		
42	27.5	20.2	30.2
71	39.9	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

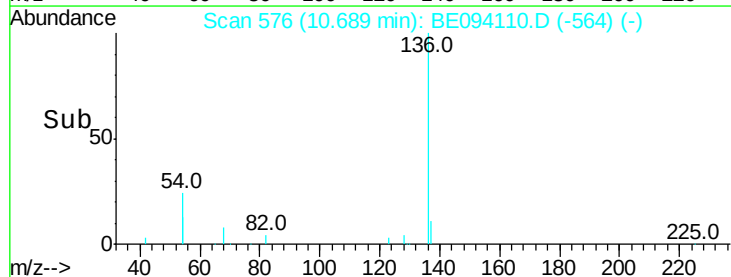
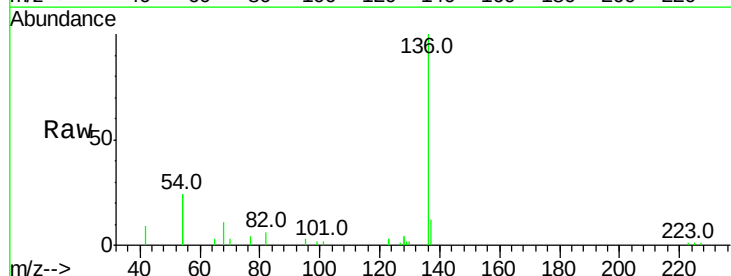
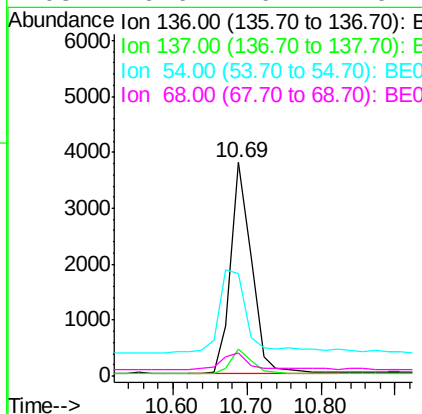
RT: 10.69 min Scan# 576

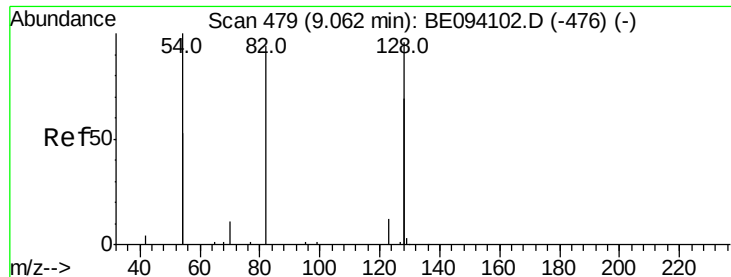
Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion:	136	Resp:	7283
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	47.7	29.1	43.7#
68	10.6	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.264 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA_E

ClientSampled :

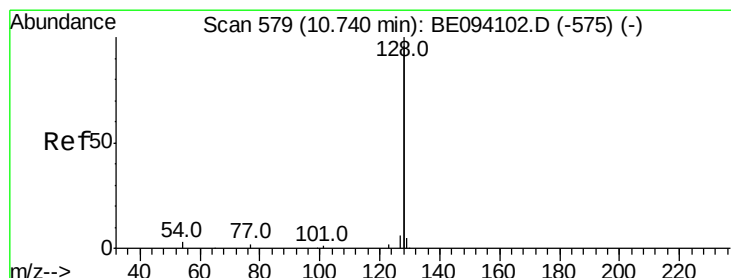
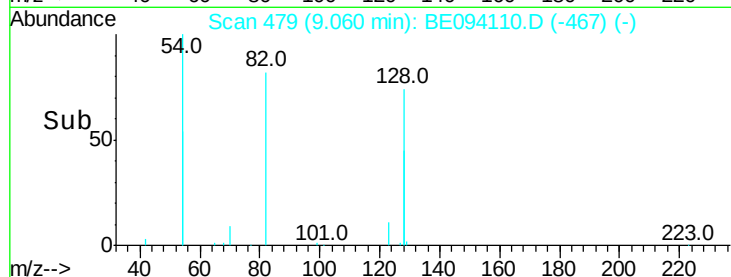
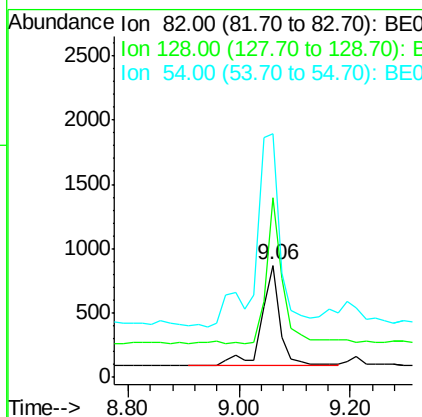
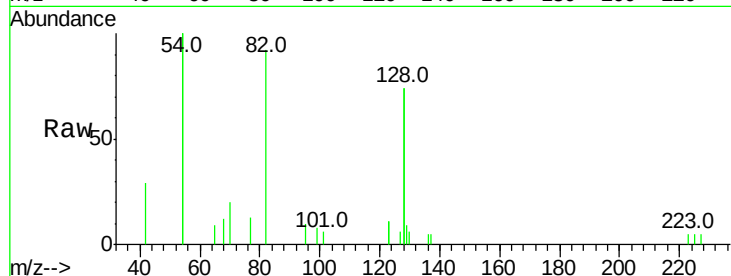
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Tot Ion:	82	Resp:	1862
Ion	Ratio	Lower	Upper
82	100		
128	160.1	150.0	225.0
54	217.0	154.2	231.4

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#9

Naphthalene

Concen: 0.028 ng

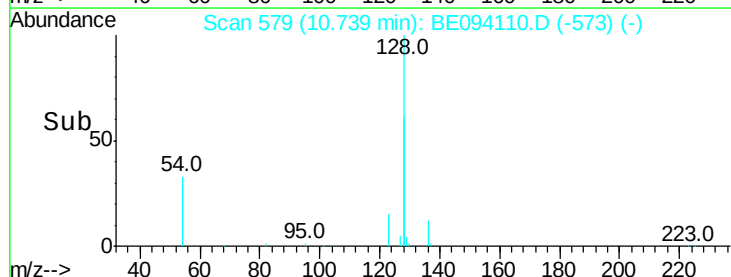
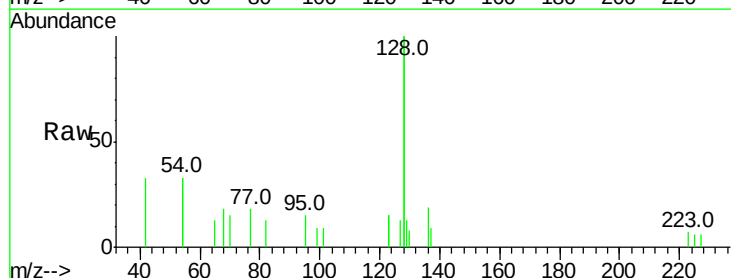
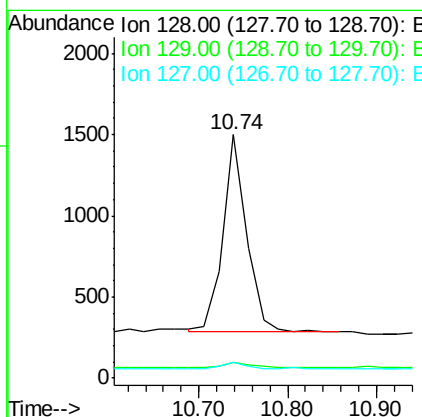
RT: 10.74 min Scan# 579

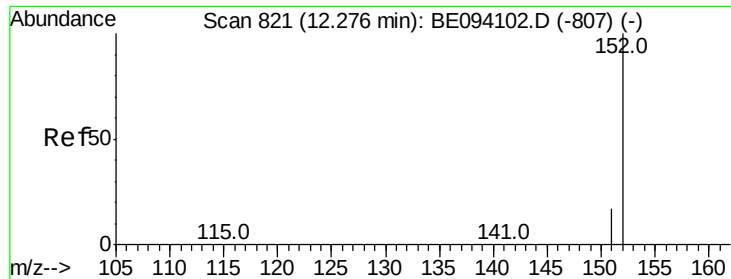
Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion:	128	Resp:	2272
Ion	Ratio	Lower	Upper
128	100		
129	6.5	2.6	3.8#
127	6.5	2.8	4.2#





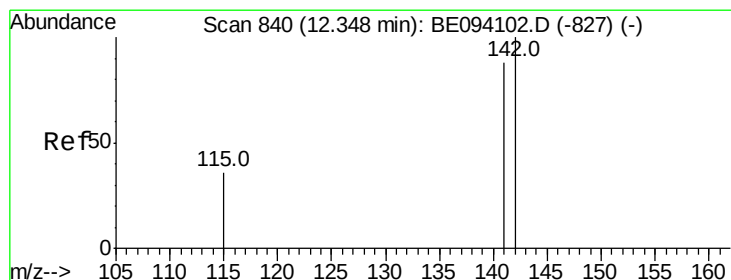
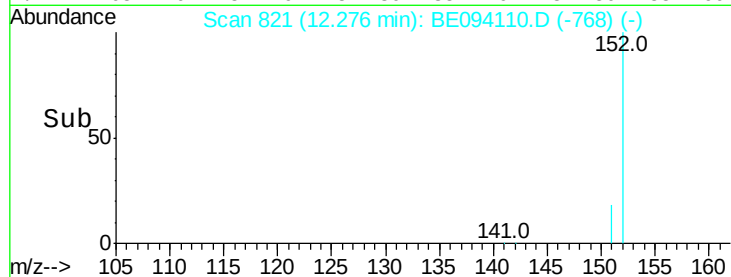
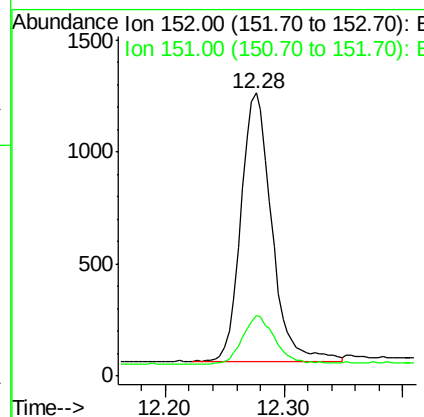
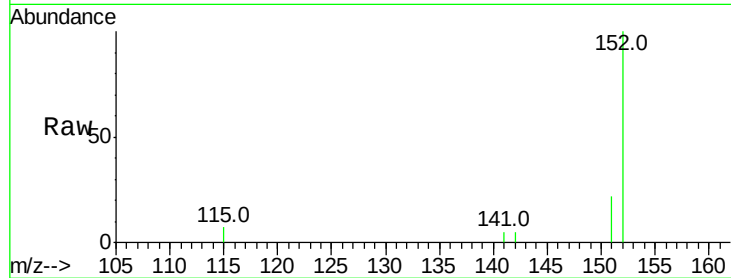
#11
 2-Methylnaphthalene-d10
 Concen: 0.196 ng
 RT: 12.28 min Scan# 821
 Delta R.T. 0.00 min
 Lab File: BE094110.D
 Acq: 25 Sep 2017 19:53

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-008

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.0

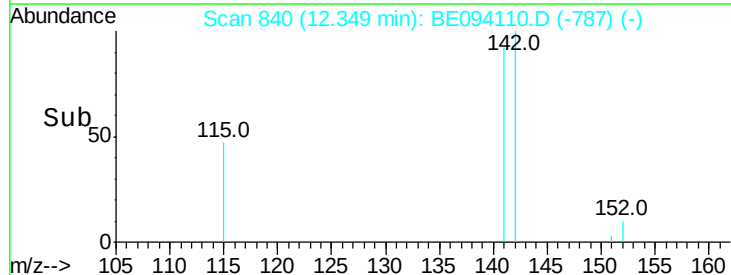
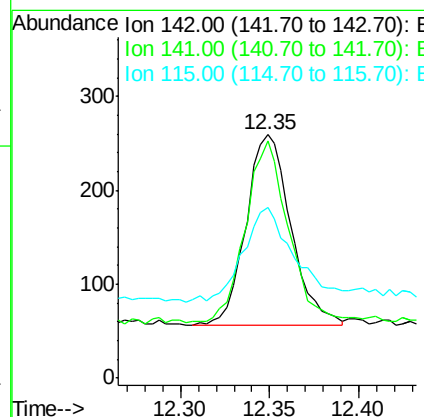
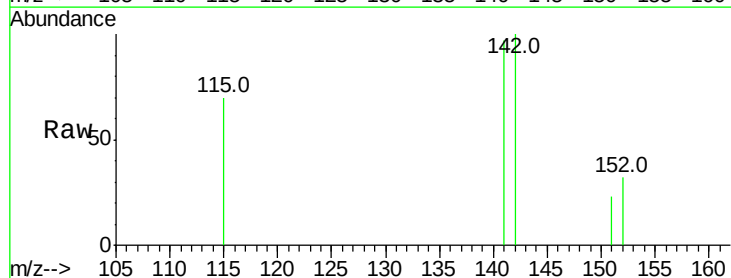
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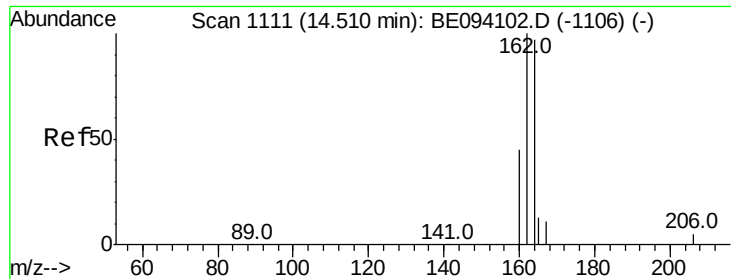
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#12
 2-Methylnaphthalene
 Concen: 0.027 ng
 RT: 12.35 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BE094110.D
 Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.3	70.4	105.6
115	69.9	31.7	47.5





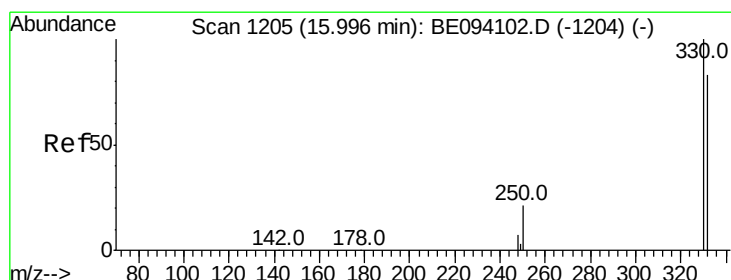
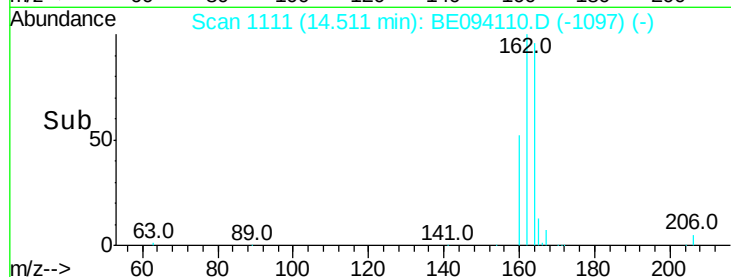
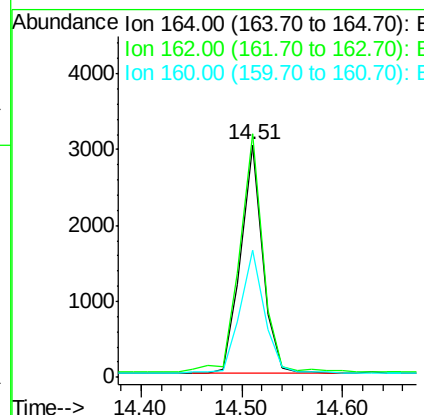
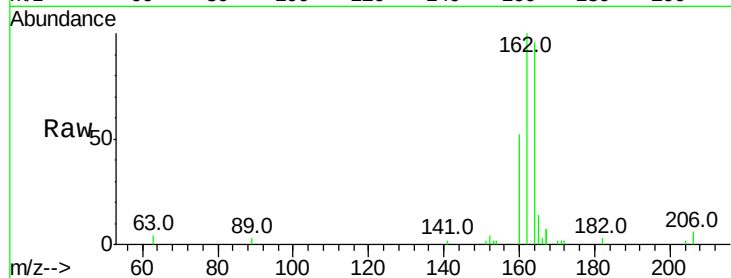
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.1	124.7
160	54.6	37.1	55.7

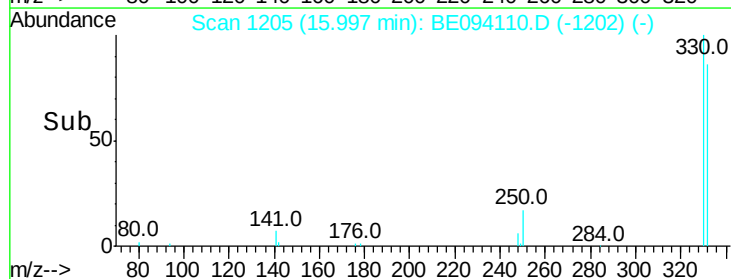
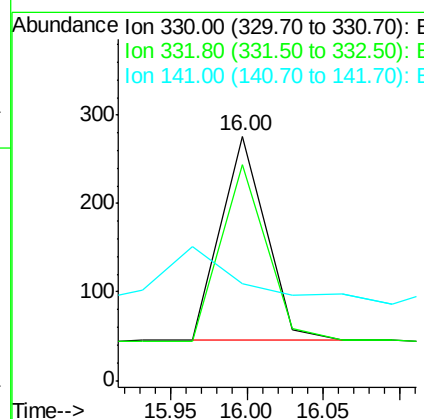
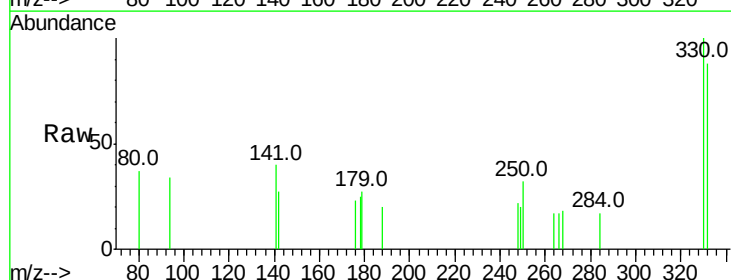
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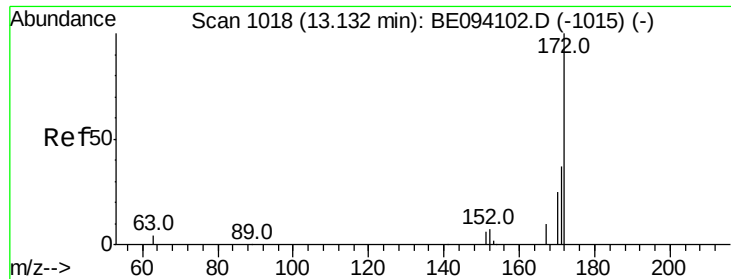
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#14
2,4,6-Tribromophenol
Concen: 0.161 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	88.5	152.7	229.1#
141	0.0	33.7	50.5#





#15

2-Fluorobiphenyl

Concen: 0.203 ng

RT: 13.13 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA_E

ClientSampleId :

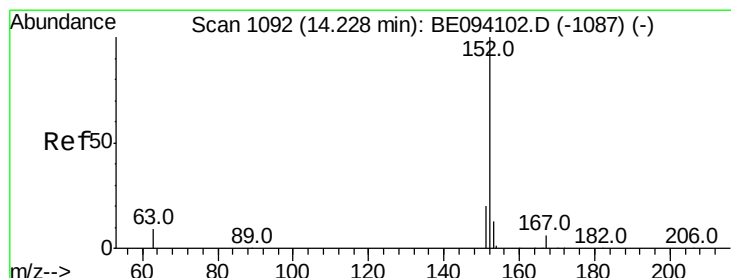
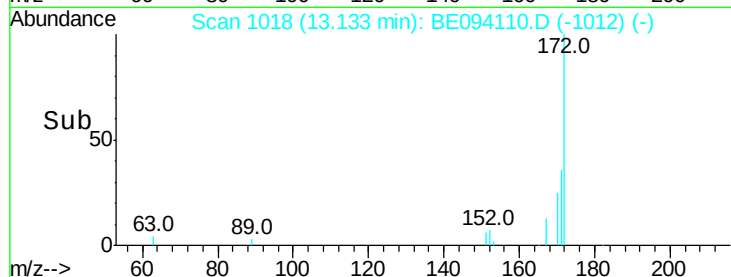
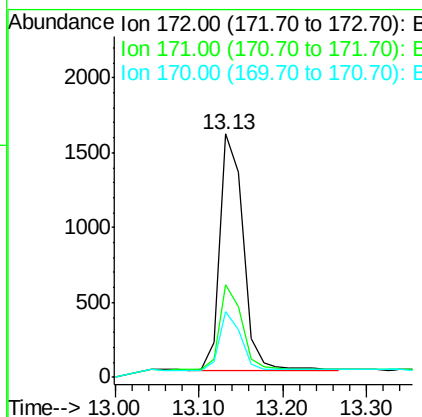
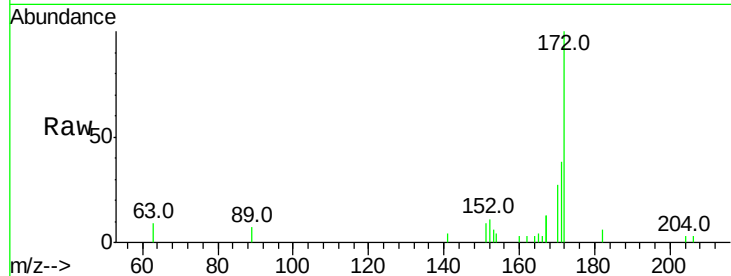
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Tot Ion:	172	Resp:	3036
Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.9	44.9
170	27.1	21.8	32.8

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#16

Acenaphthylene

Concen: 0.204 ng

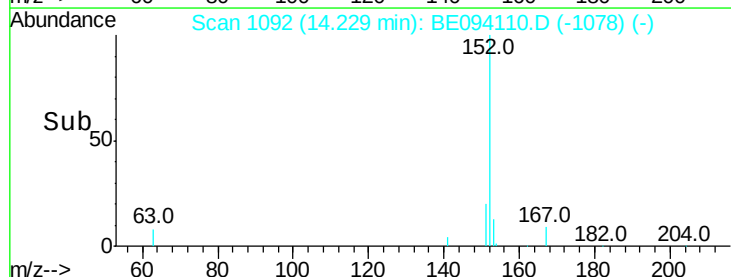
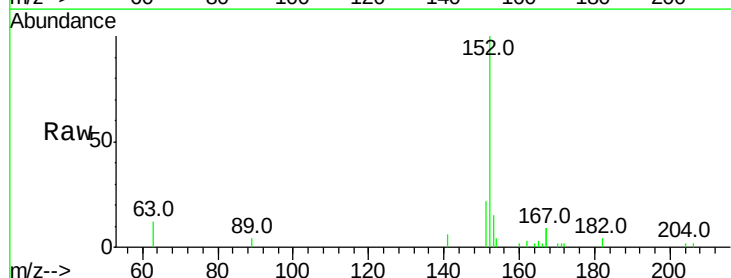
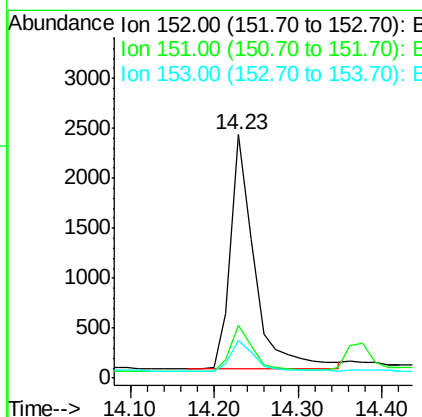
RT: 14.23 min Scan# 1092

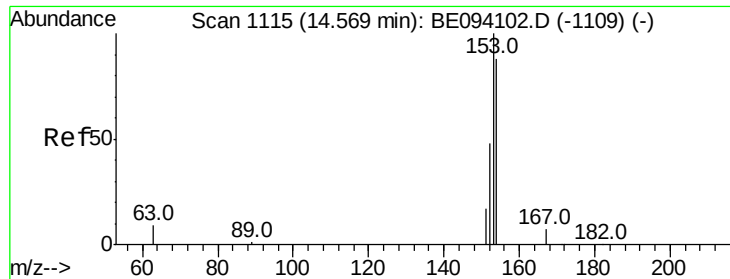
Delta R.T. 0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion:	152	Resp:	4625
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	14.0	10.5	15.7





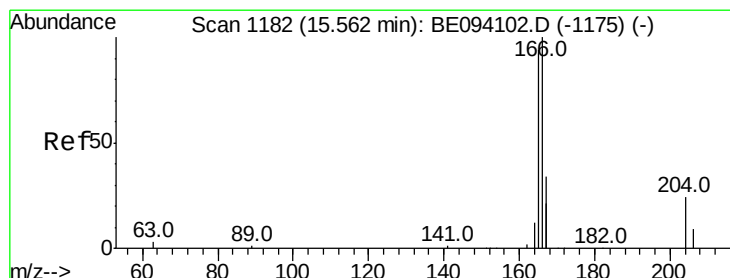
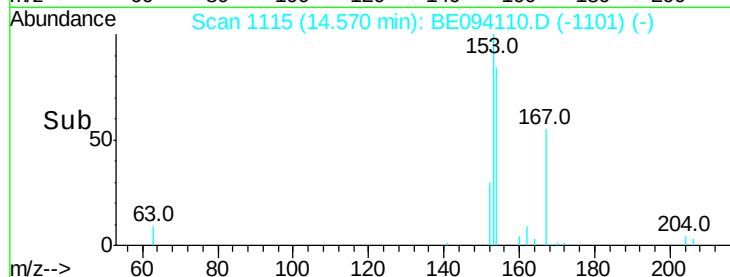
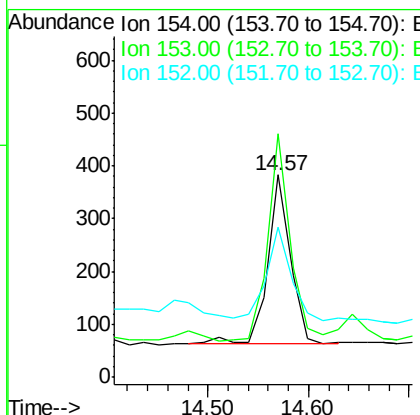
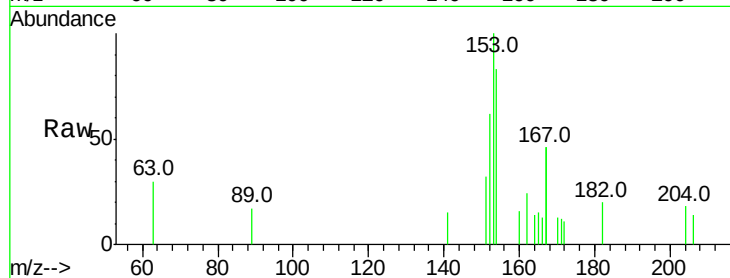
#17
Acenaphthene
Concen: 0.036 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Instrument :
BNA_E
ClientSampled :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
154	100		
153	121.6	89.2	133.8
152	67.8	42.0	63.0#

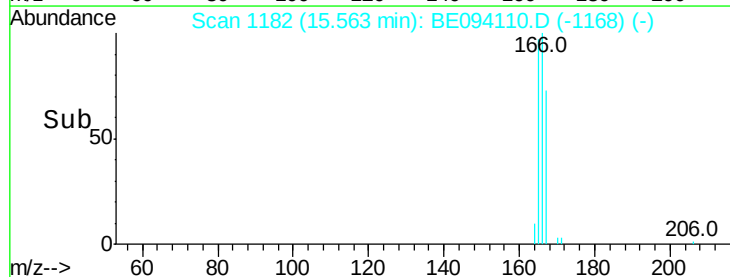
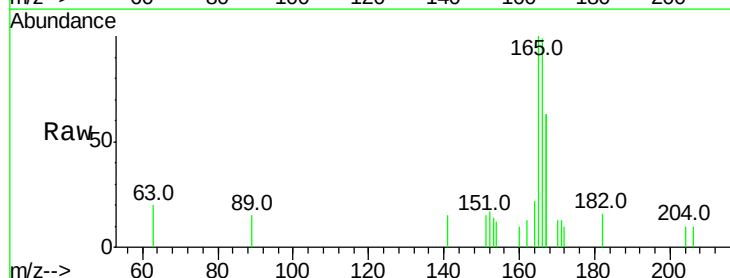
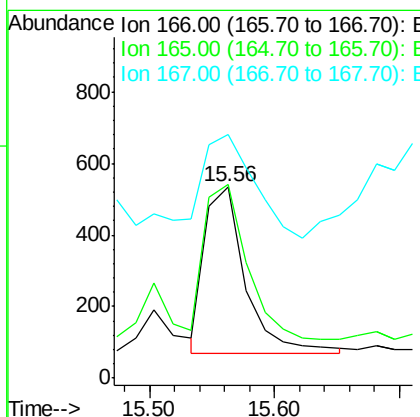
Manual Integrations
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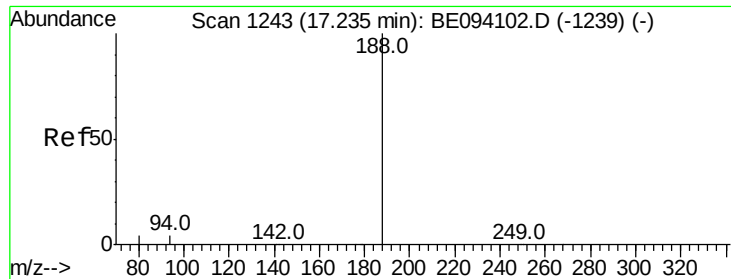
Sohil
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#18
Fluorene
Concen: 0.055 ng m
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	138.5	77.8	116.6#
167	78.2	42.4	63.6#





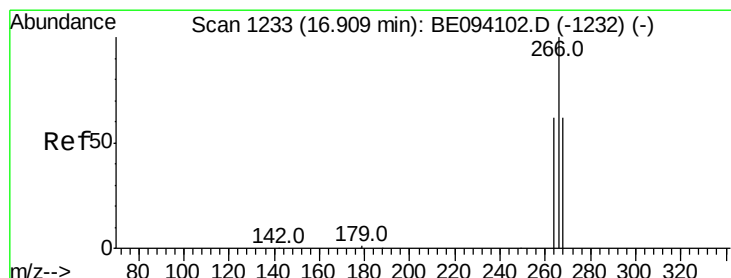
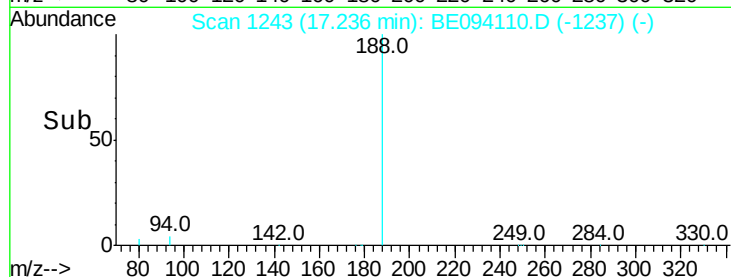
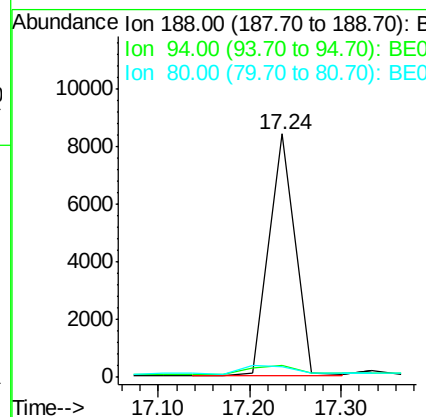
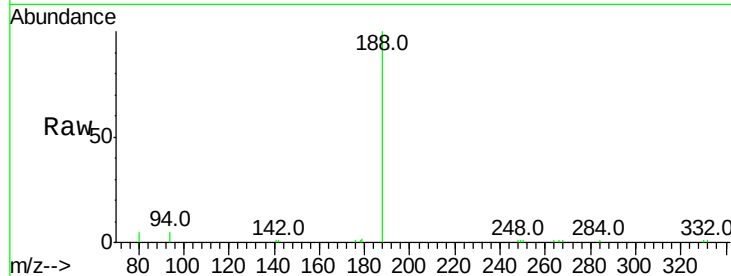
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion:188	Resp:	16826
Ion Ratio	Lower	Upper
188 100		
94 4.9	3.9	5.9
80 4.5	3.6	5.4

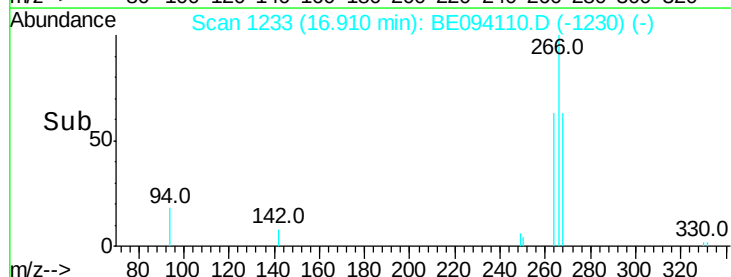
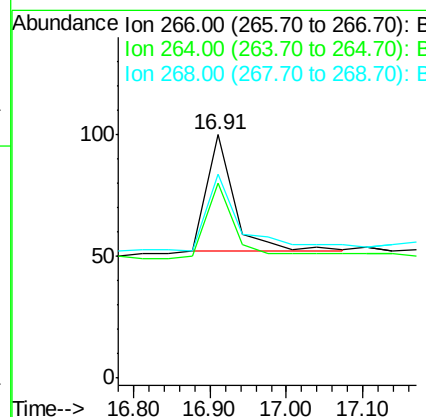
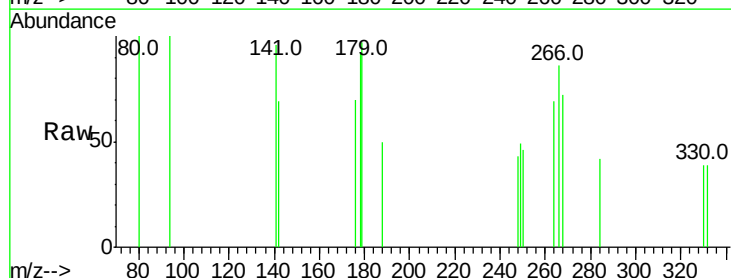
Manual Integrations
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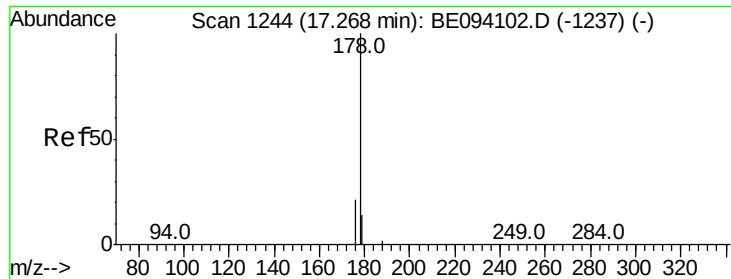
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#22
Pentachlorophenol
Concen: 0.031 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Tgt Ion:266	Resp:	123
Ion Ratio	Lower	Upper
266 100		
264 80.0	72.5	108.7
268 84.0	73.8	110.6





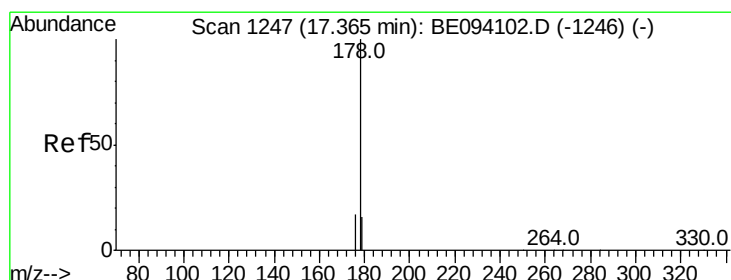
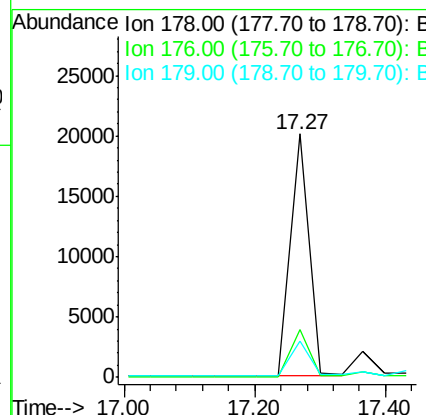
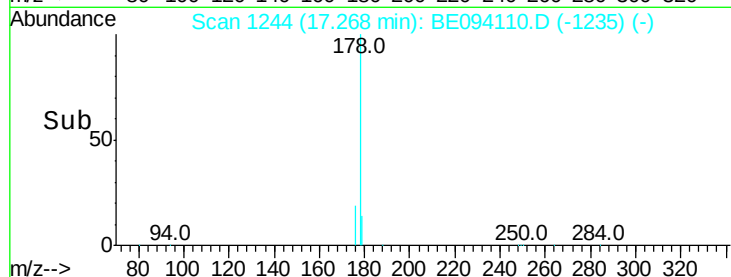
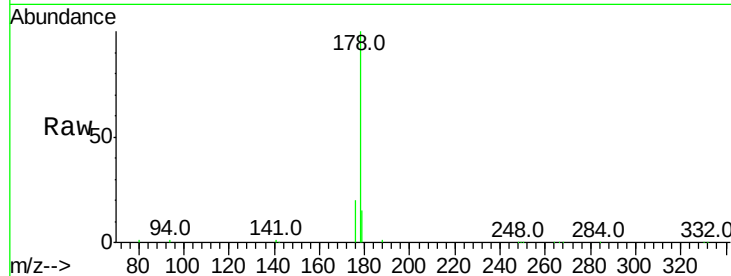
#23
Phenanthrene
Concen: 0.933 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Instrument :
BNA_E
ClientSampled :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.5	11.8	17.6

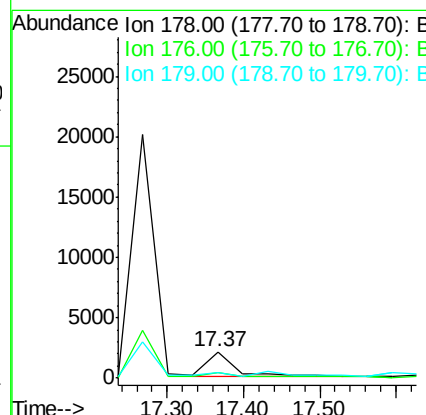
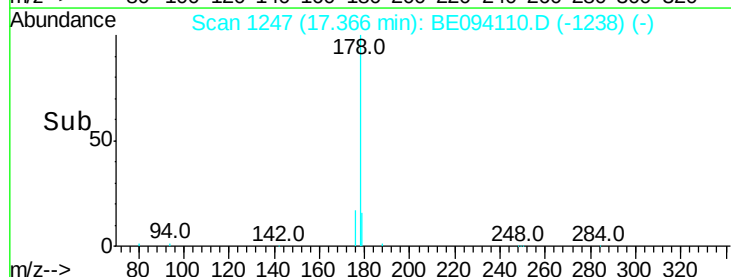
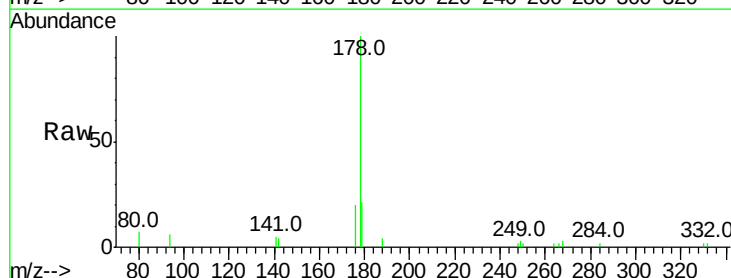
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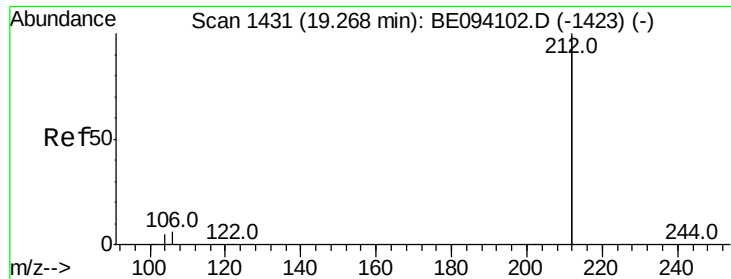
Sohil
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#24
Anthracene
Concen: 0.110 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	12.8	19.2
179	12.5	13.0	19.6#





#25

Fluoranthene-d10

Concen: 0.175 ng

RT: 19.27 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA_E

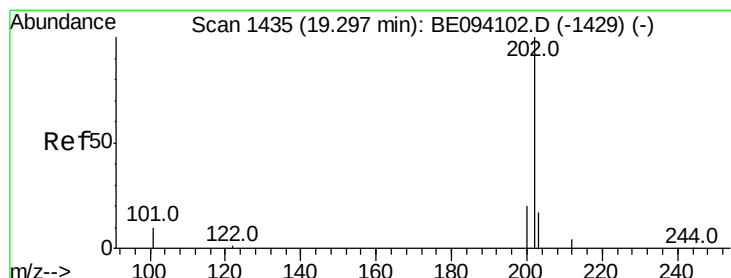
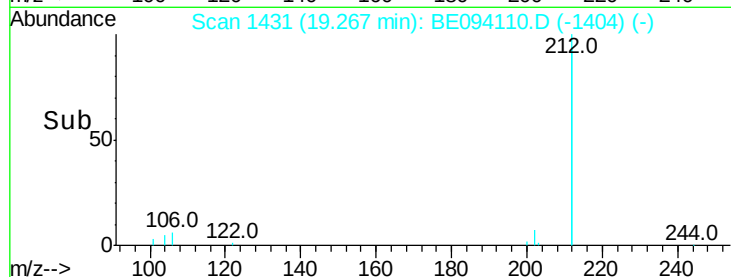
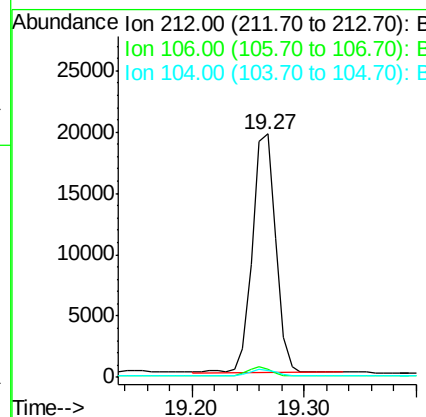
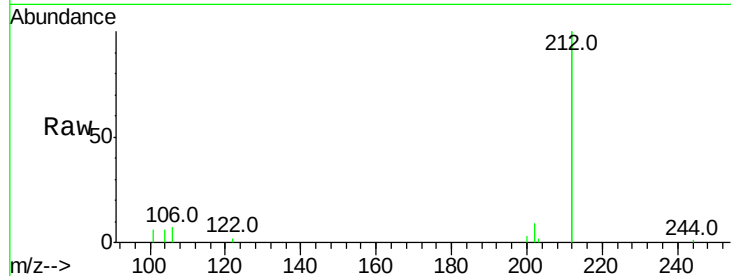
ClientSampled :

LT-TS-008

Tot Ion:	212	Resp:	28528
Ion Ratio	Lower	Upper	
212	100		
106	3.7	2.8	4.2
104	3.4	1.6	2.4

Manual Integrations
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#26

Fluoranthene

Concen: 1.798 ng

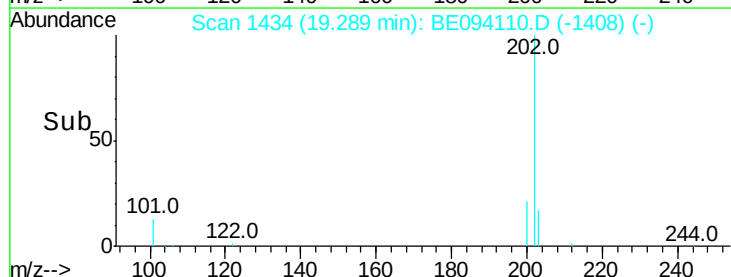
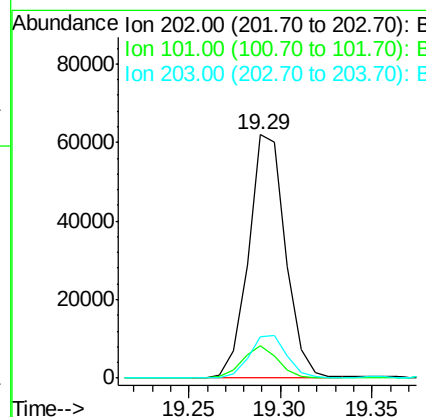
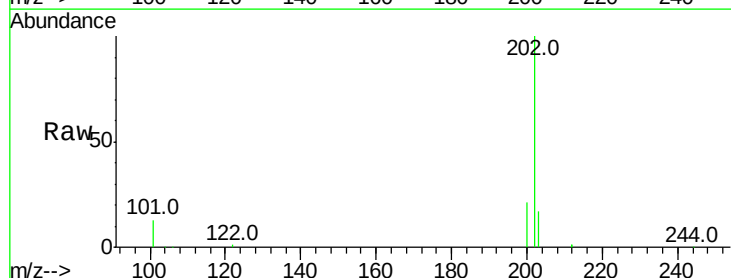
RT: 19.29 min Scan# 1434

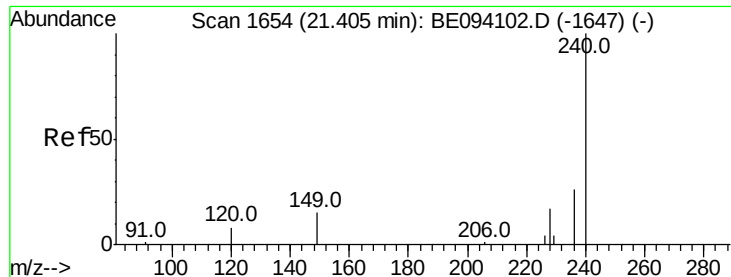
Delta R.T. -0.01 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion:	202	Resp:	86727
Ion Ratio	Lower	Upper	
202	100		
101	12.5	9.8	14.8
203	17.5	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA_E

ClientSampleId :

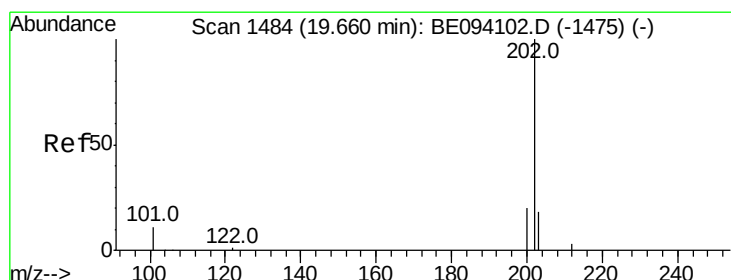
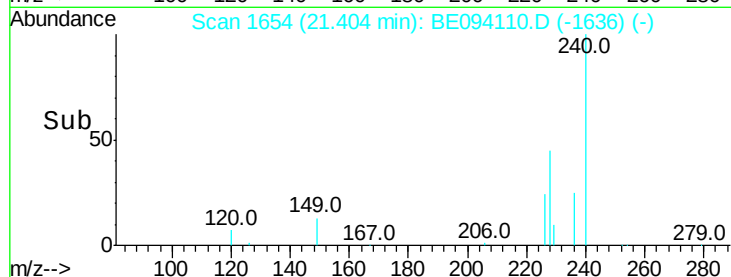
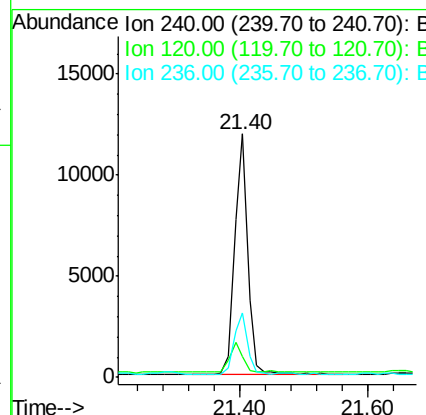
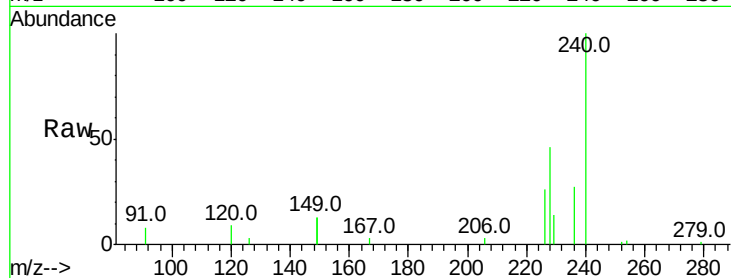
LT-TS-008

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	5.5	8.3#
236	26.7	20.7	31.1

Manual Integrations
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#28

Pyrene

Concen: 1.637 ng

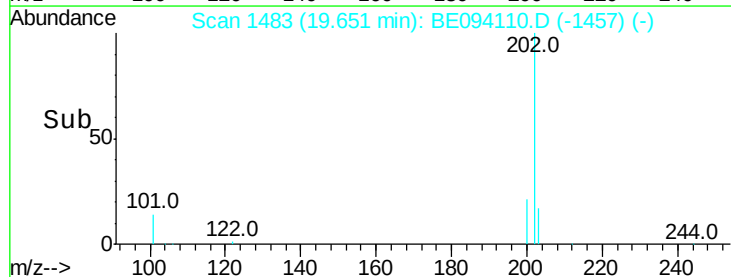
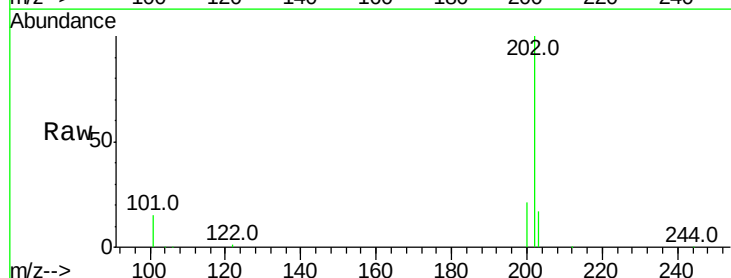
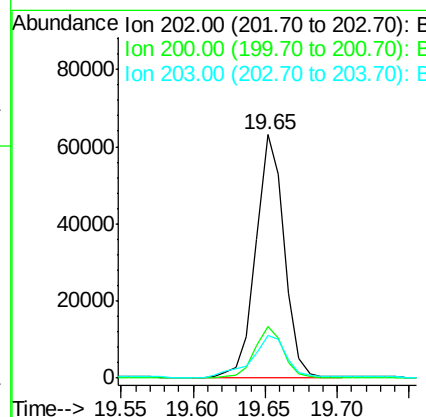
RT: 19.65 min Scan# 1483

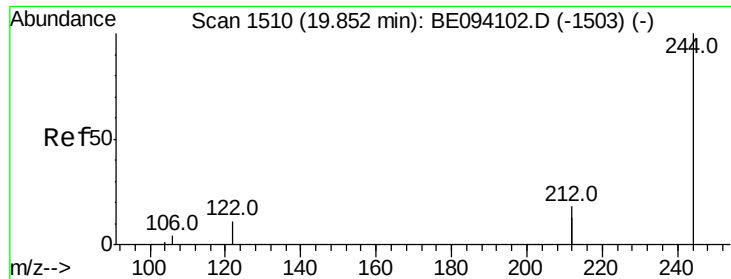
Delta R.T. -0.01 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	20.9	13.8	20.8#





#29

Terphenyl-d14

Concen: 0.137 ng

RT: 19.85 min Scan# 1510

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA_E

ClientSampleId :

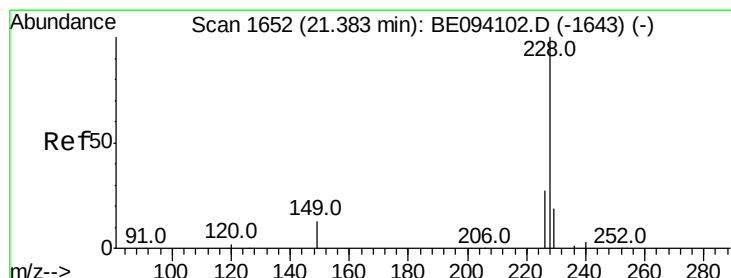
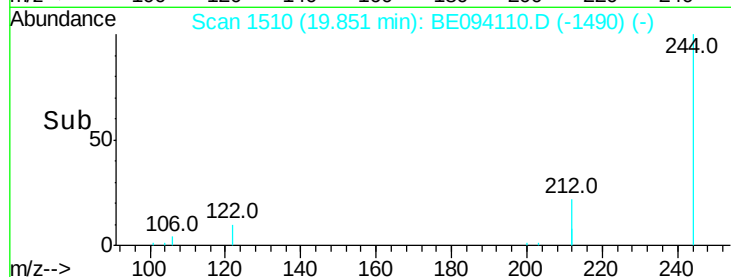
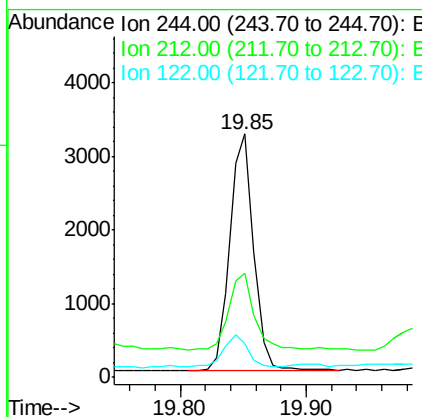
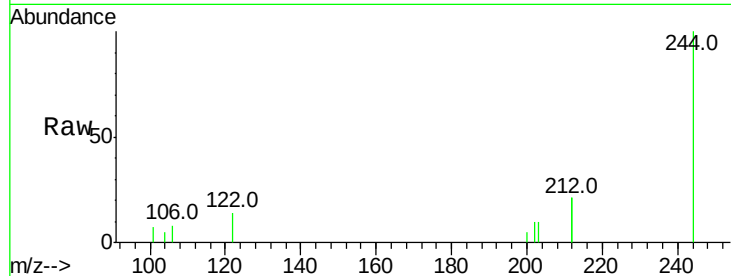
LT-TS-008

Tot Ion:	244	Resp:	4161
Ion Ratio	Lower	Upper	
244	100		
212	42.7	25.4	38.0#
122	13.9	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 0.746 ng

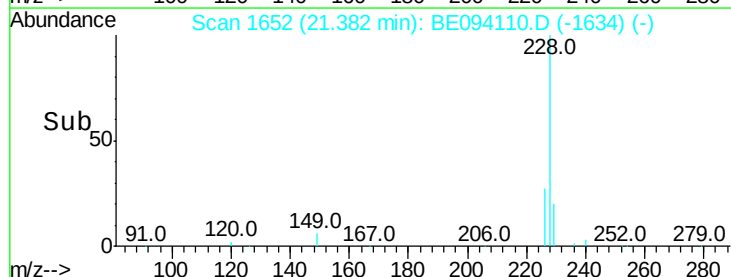
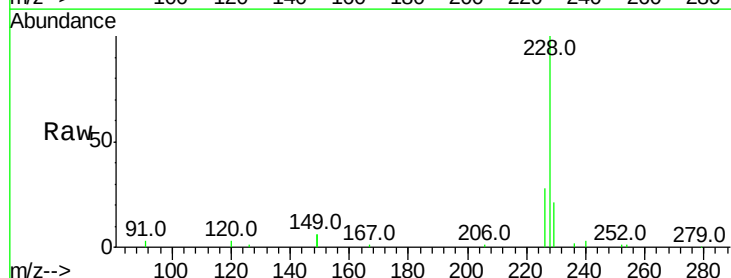
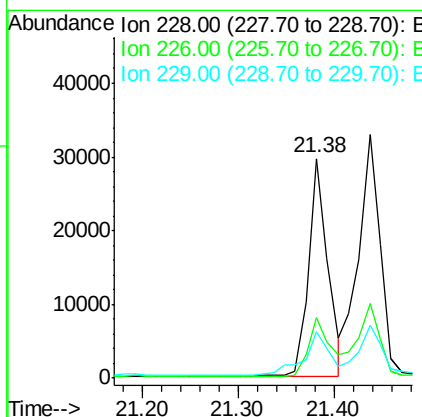
RT: 21.38 min Scan# 1652

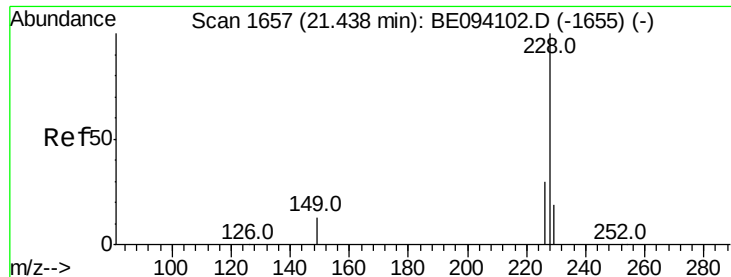
Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion:	228	Resp:	41820
Ion Ratio	Lower	Upper	
228	100		
226	27.8	21.4	32.0
229	21.4	16.4	24.6





#31

Chrysene

Concen: 0.956 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Instrument :

BNA_E

ClientSampled :

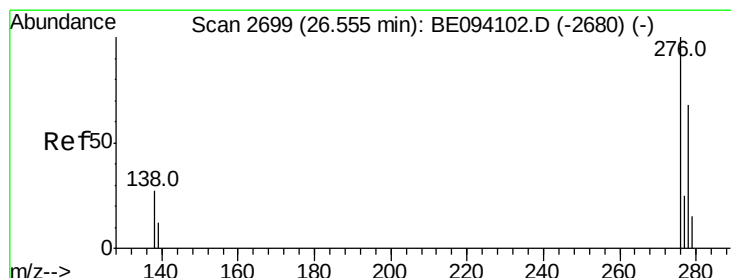
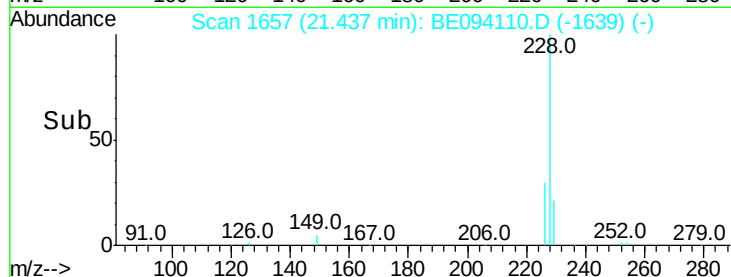
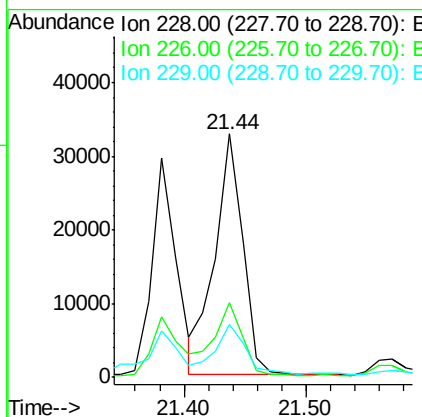
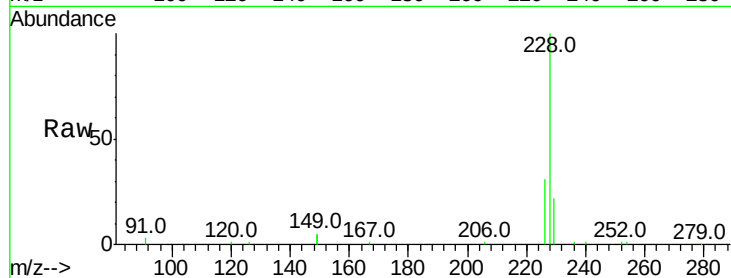
LT-TS-008

Tot Ion:	228	Resp:	51720
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.6	35.4
229	21.7	16.4	24.6

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.548 ng

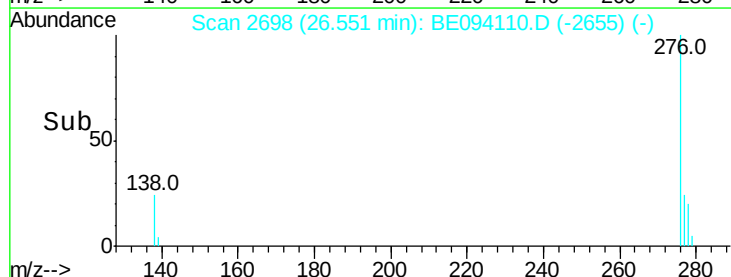
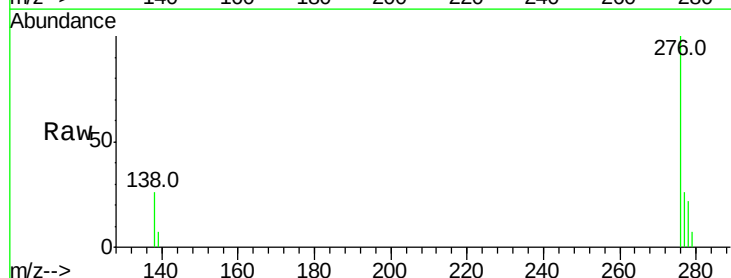
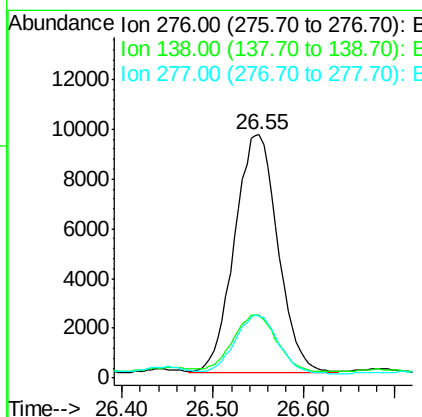
RT: 26.55 min Scan# 2698

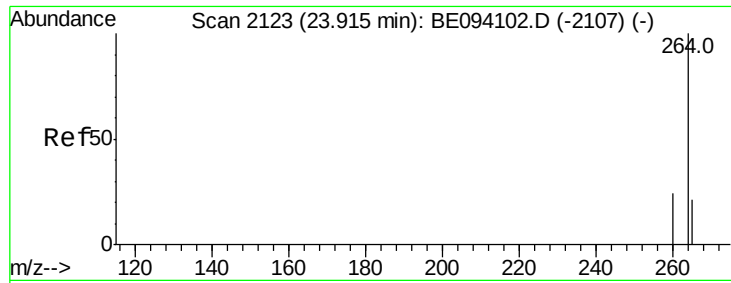
Delta R.T. -0.00 min

Lab File: BE094110.D

Acq: 25 Sep 2017 19:53

Tgt Ion:	276	Resp:	31750
Ion Ratio	Lower	Upper	
276	100		
138	24.2	22.5	33.7
277	24.5	19.9	29.9





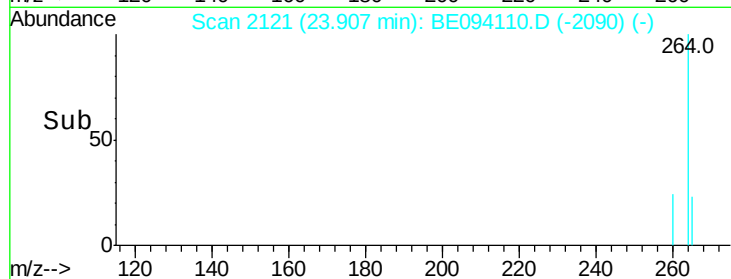
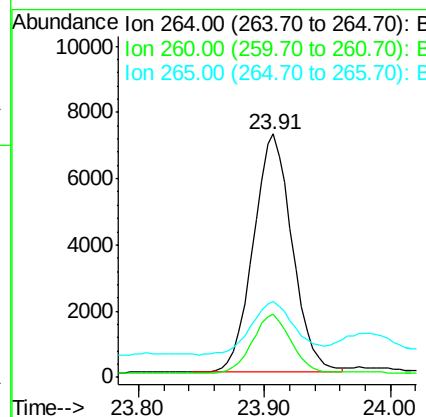
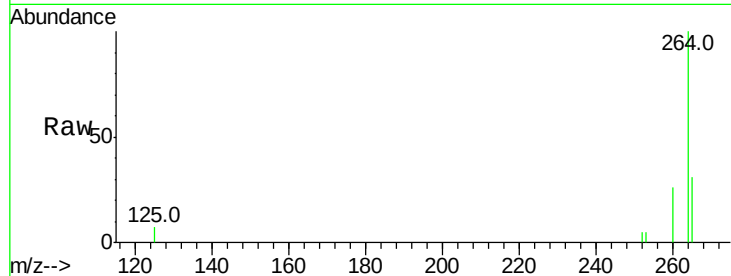
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Instrument :
BNA_E
ClientSampled :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	31.0	22.8	34.2

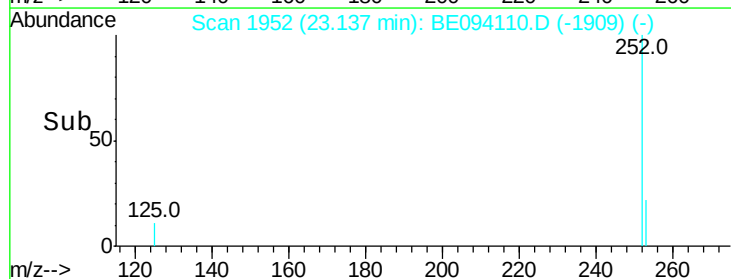
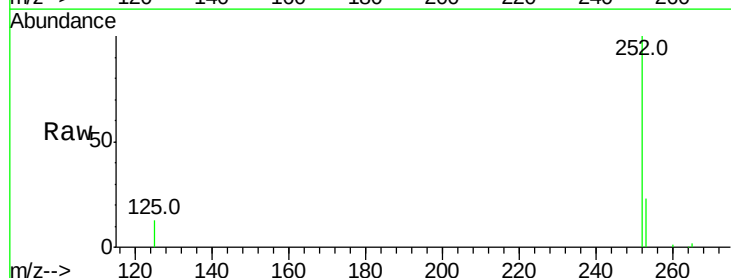
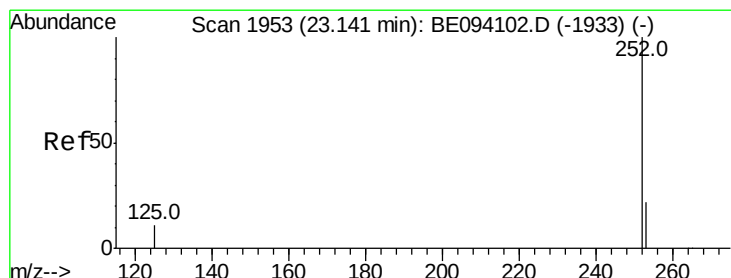
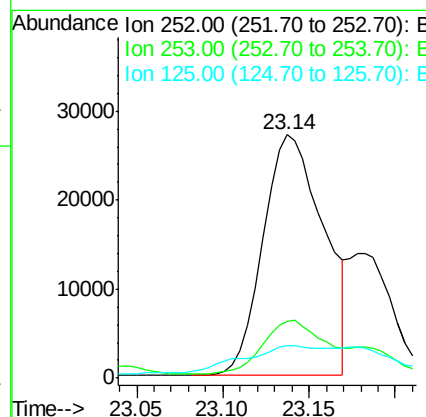
Manual Integrations
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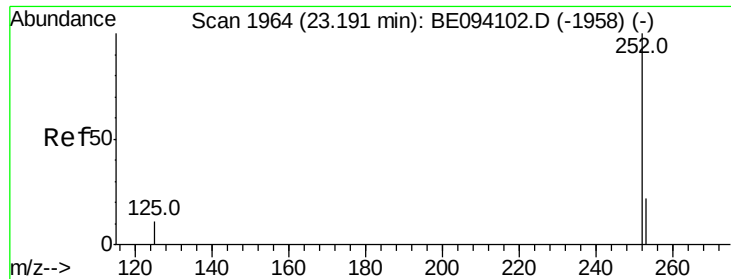
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#35
Benzo(b)fluoranthene
Concen: 1.177 ng
RT: 23.14 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	13.4	10.1	15.1





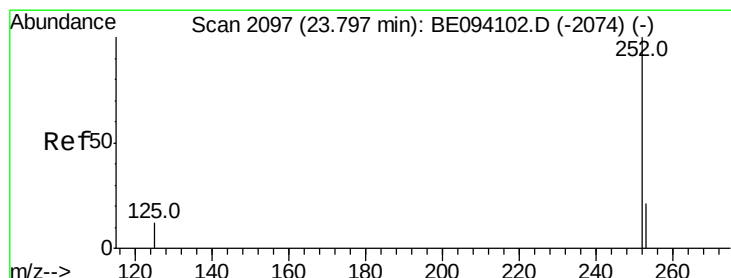
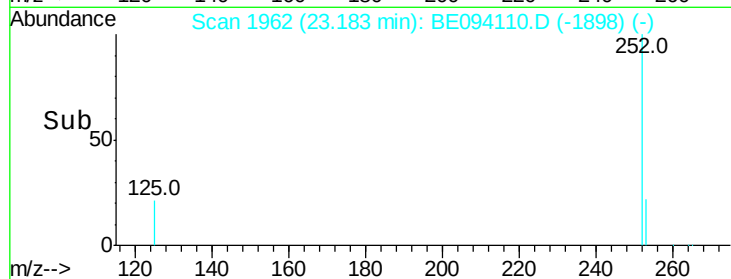
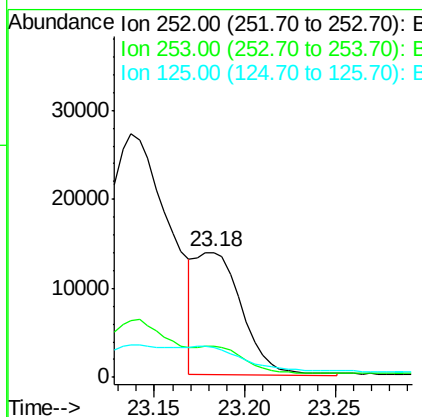
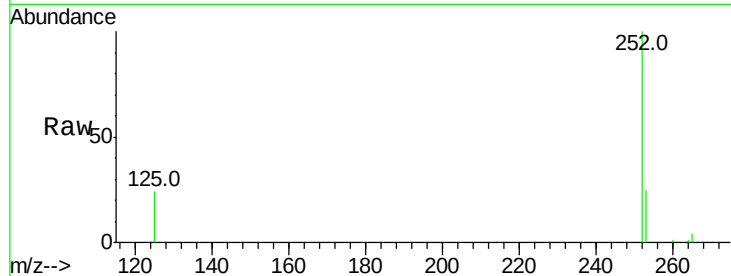
#36
Benzo(k)fluoranthene
Concen: 0.458 ng m
RT: 23.18 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Instrument :
BNA_E
ClientSampleId :
LT-TS-008

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.6	27.8
125	23.9	10.7	16.1

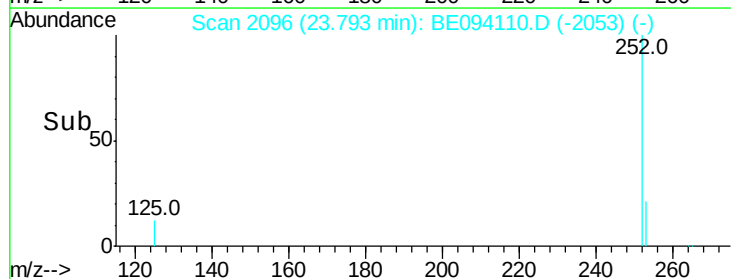
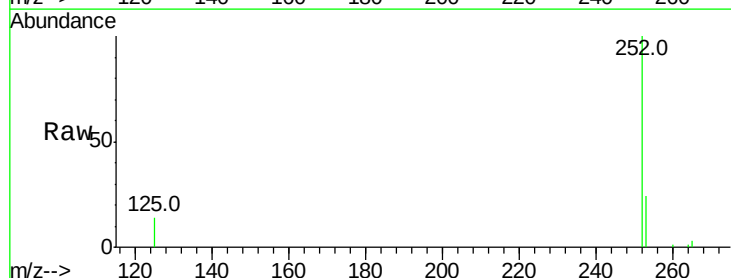
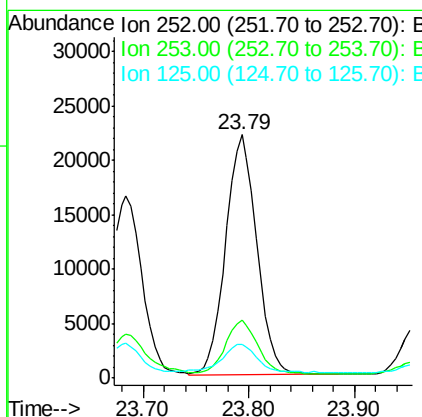
Manual Integrations
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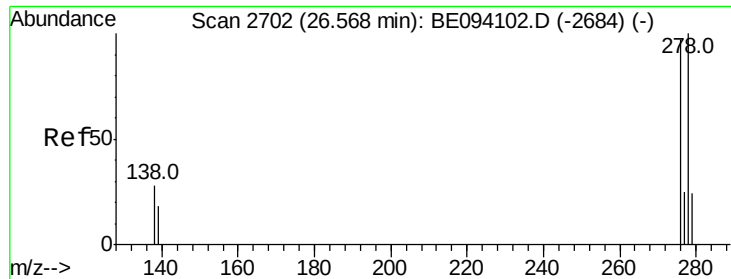
Sohil
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#37
Benzo(a)pyrene
Concen: 0.889 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094110.D
Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.6
125	14.0	11.8	17.8





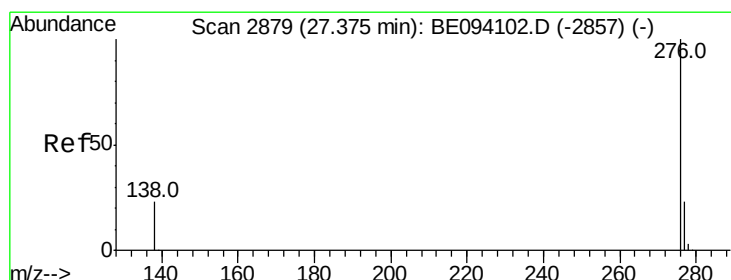
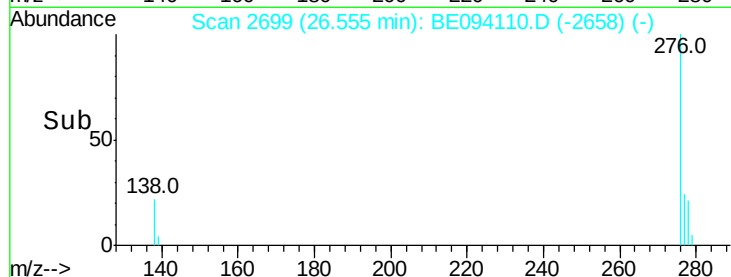
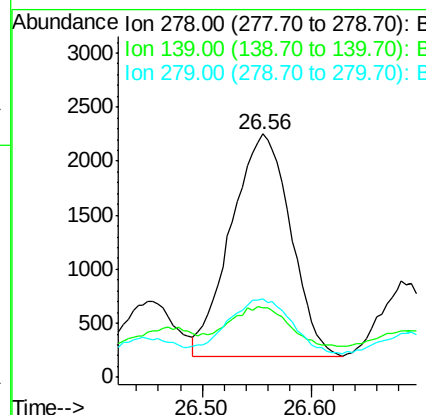
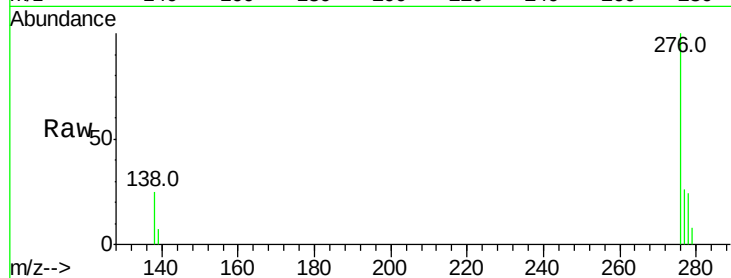
#38
 Dibenzo(a,h)anthracene
 Concen: 0.162 ng
 RT: 26.56 min Scan# 2699
 Delta R.T. -0.01 min
 Lab File: BE094110.D
 Acq: 25 Sep 2017 19:53

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-008

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.3	24.5#
279	32.1	19.9	29.9#

Manual Integrations
 APPROVED

Sohil
 9/26/2017 5:03:42 PM



#39
 Benzo(g,h,i)perylene
 Concen: 0.682 ng
 RT: 27.37 min Scan# 2877
 Delta R.T. -0.01 min
 Lab File: BE094110.D
 Acq: 25 Sep 2017 19:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.8	31.2
138	27.1	21.5	32.3

