

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092517\
 Data File : BE094120.D
 Acq On : 26 Sep 2017 2:06
 Operator : SJ/JU
 Sample : I5340-04DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-004DL

Manual Integrations
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Quant Time: Sep 26 04:00:48 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	357	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	1809	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	1194	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	4281	0.40	ng	0.00
27) Chrysene-d12	21.40	240	3388	0.40	ng	0.00
34) Perylene-d12	23.91	264	3119	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	630	0.47	ng	0.00
5) Phenol-d6	7.10	99	750	0.40	ng	0.01
8) Nitrobenzene-d5	9.06	82	682	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	900	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	145	0.19	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1197	0.30	ng	0.02
25) Fluoranthene-d10	19.27	212	10235	0.25	ng	0.00
29) Terphenyl-d14	19.85	244	1643	0.27	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	1297	0.063	ng	# 82
12) 2-Methylnaphthalene	12.35	142	154	0.047	ng	# 72
16) Acenaphthylene	14.23	152	1540	0.257	ng	99
17) Acenaphthene	14.57	154	534	0.143	ng	98
18) Fluorene	15.56	166	733	0.144	ng	90
23) Phenanthrene	17.27	178	21840	1.994	ng	98
24) Anthracene	17.37	178	3822	0.333	ng	# 89
26) Fluoranthene	19.30	202	45490	3.706	ng	100
28) Pyrene	19.66	202	43177	4.022	ng	# 96
30) Benzo(a)anthracene	21.38	228	20250	1.775	ng	96
31) Chrysene	21.44	228	22348	2.030	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	16565	0.350	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	12909	1.096	ng	96
35) Benzo(b)fluoranthene	23.14	252	27460	2.440	ng	# 93
36) Benzo(k)fluoranthene	23.19	252	9474m	0.879	ng	
37) Benzo(a)pyrene	23.79	252	19215	1.890	ng	# 93
38) Dibenzo(a,h)anthracene	26.56	278	3083	0.320	ng	# 55
39) Benzo(a,h,i)perylene	27.37	276	13278	1.393	ng	97

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

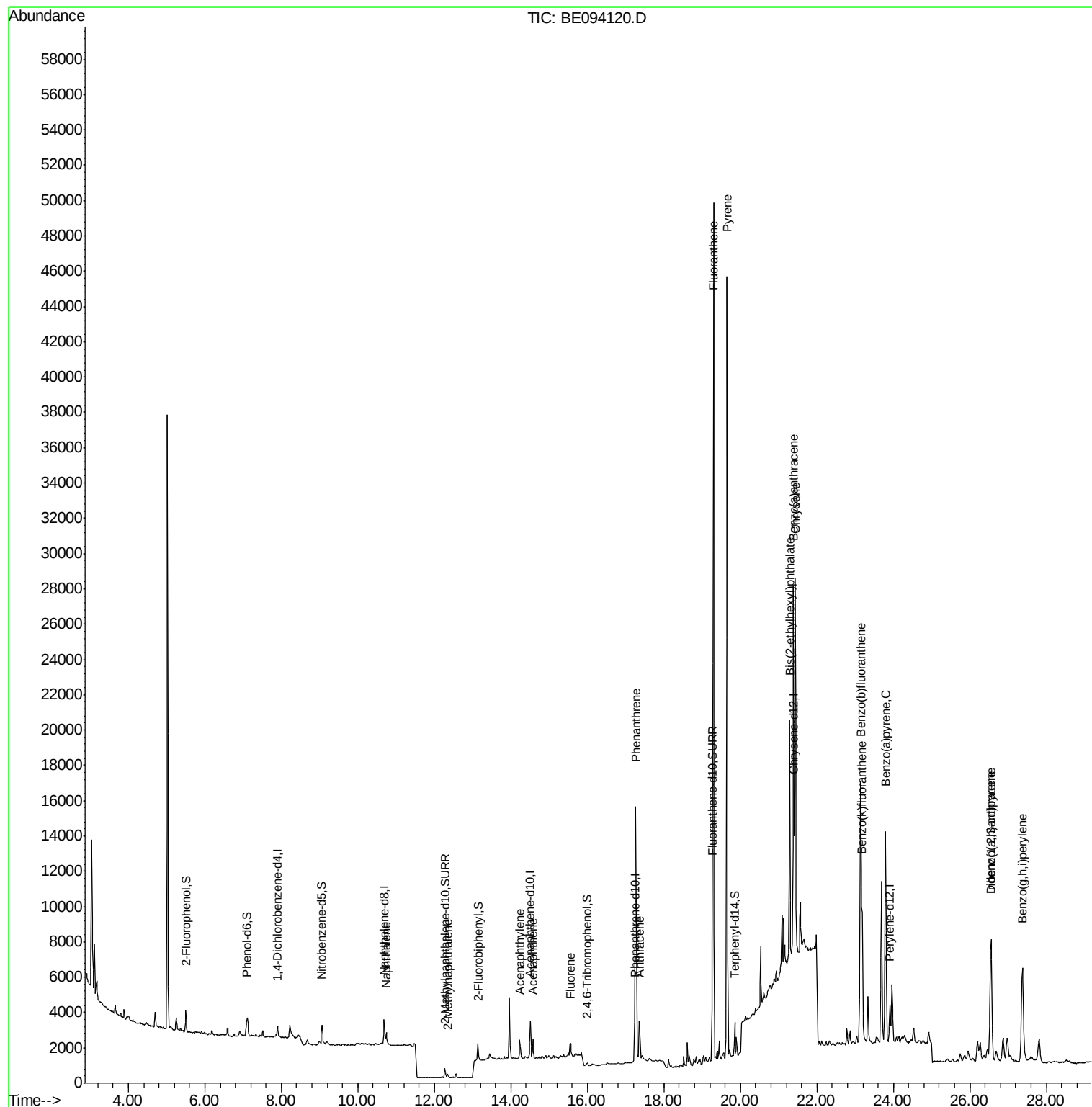
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

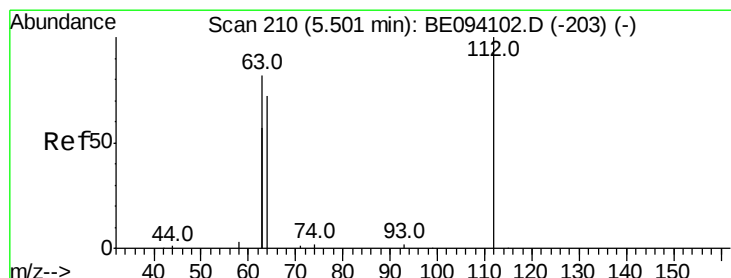
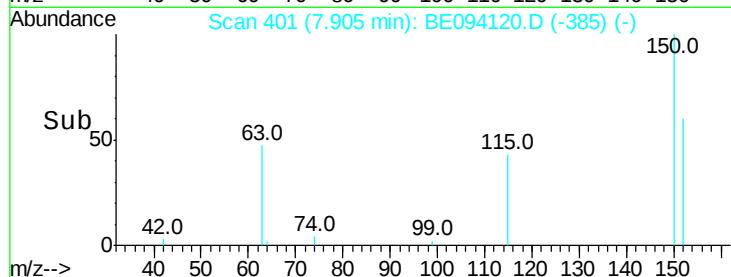
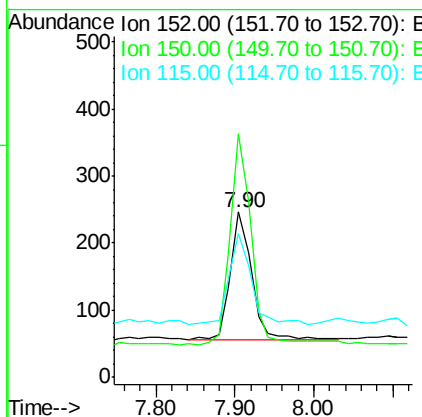
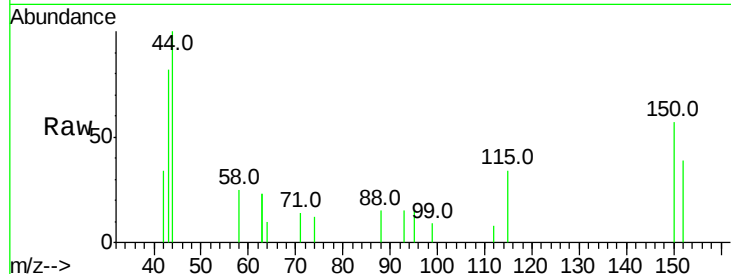
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	117.2	175.8
115	87.4	57.0	85.6

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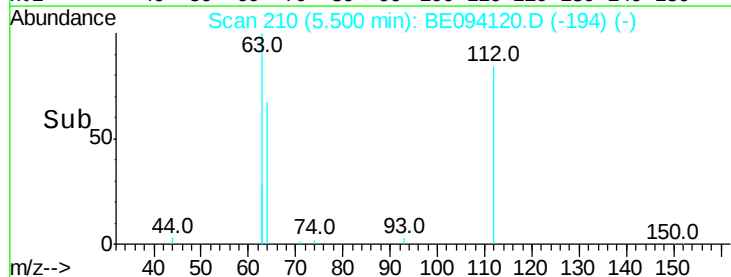
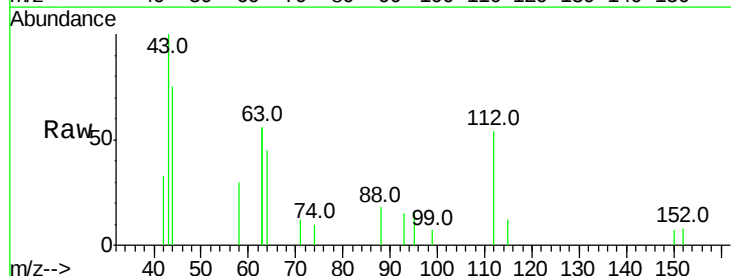
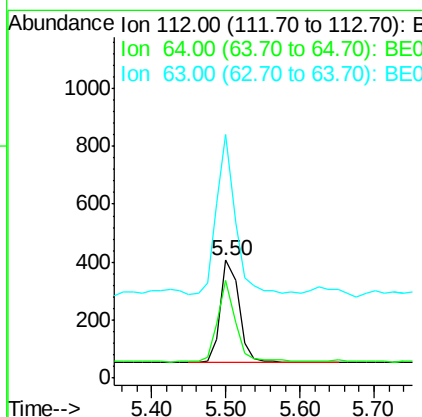
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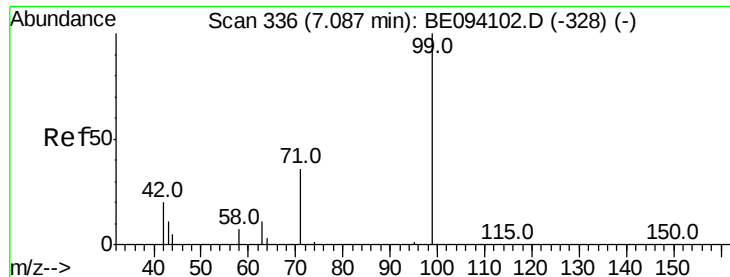


#4

2-Fluorophenol
Concen: 0.466 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	77.0	60.1	90.1
63	152.2	116.8	175.2





#5

Phenol-d6

Concen: 0.399 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.01 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Instrument :

BNA_E

ClientSampled :

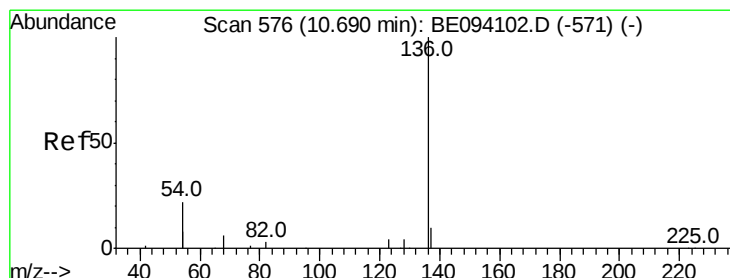
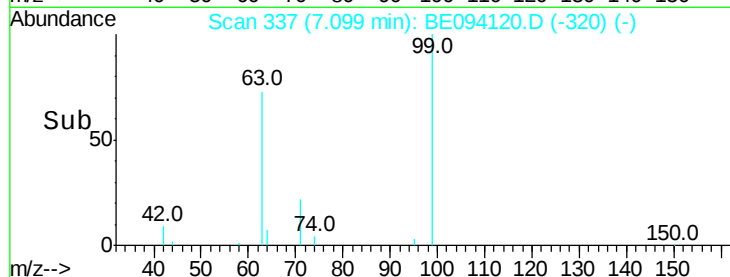
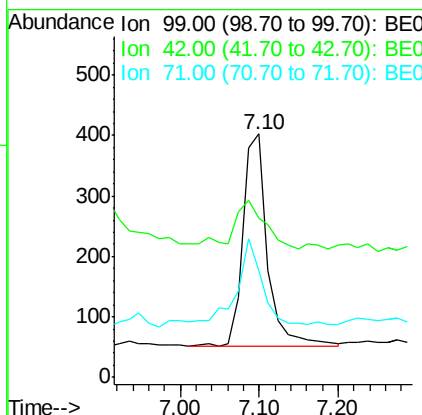
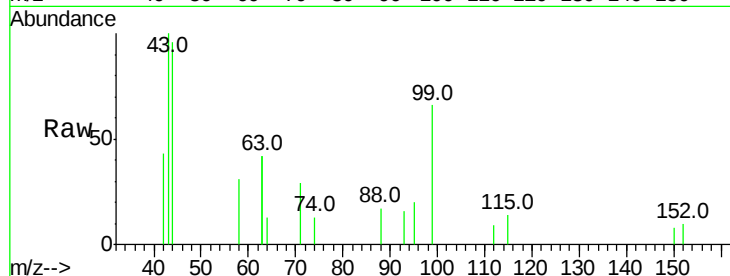
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Tot Ion:	99	Resp:	750
Ion	Ratio	Lower	Upper
99	100		
42	29.1	20.2	30.2
71	39.9	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

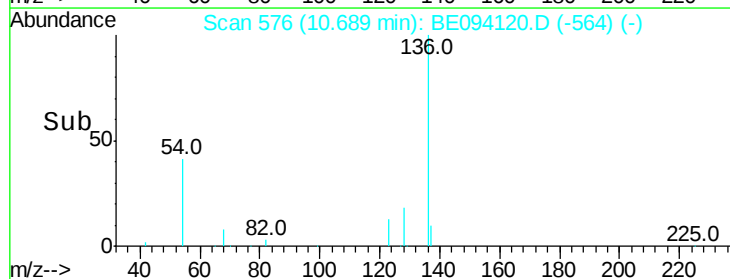
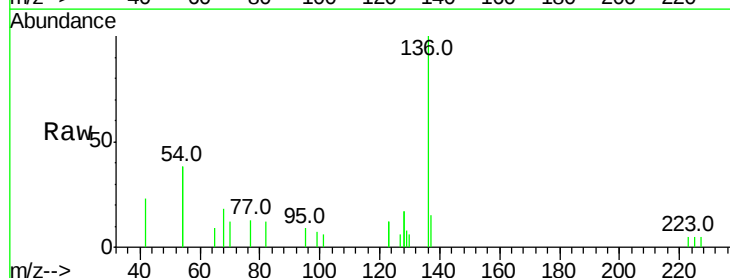
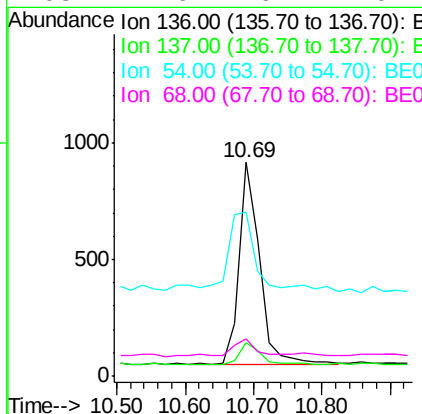
RT: 10.69 min Scan# 576

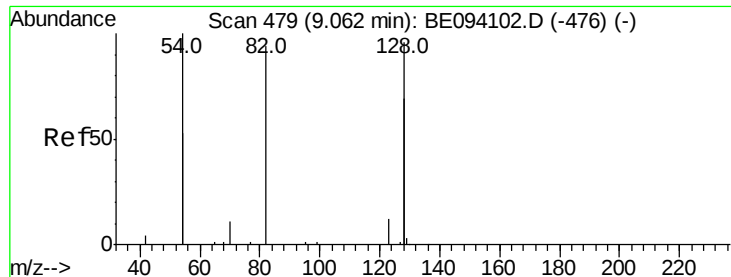
Delta R.T. -0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Tgt Ion:	136	Resp:	1809
Ion	Ratio	Lower	Upper
136	100		
137	15.4	9.5	14.3#
54	76.6	29.1	43.7#
68	17.6	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Instrument :

BNA_E

ClientSampleId :

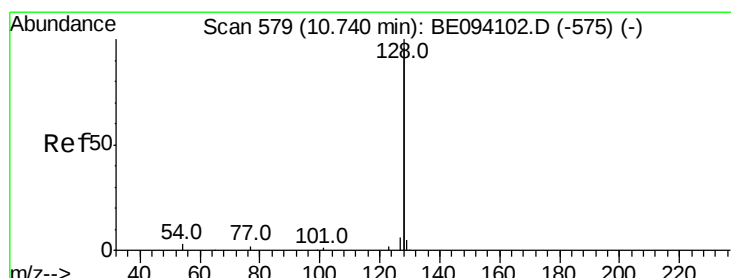
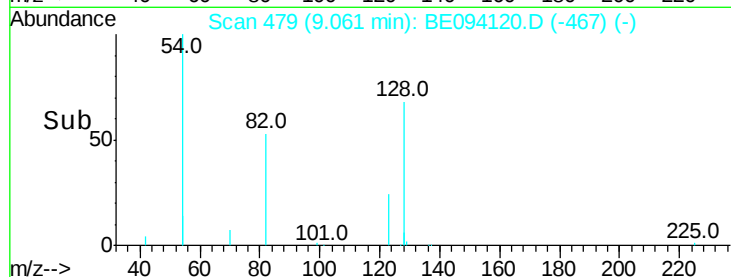
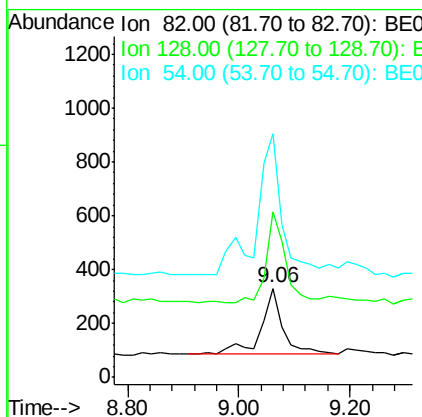
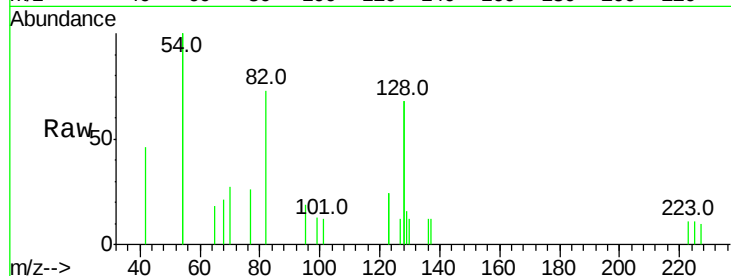
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Tot Ion:	82	Resp:	682
Ion	Ratio	Lower	Upper
82	100		
128	185.5	150.0	225.0
54	273.1	154.2	231.4#

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#9

Naphthalene

Concen: 0.063 ng

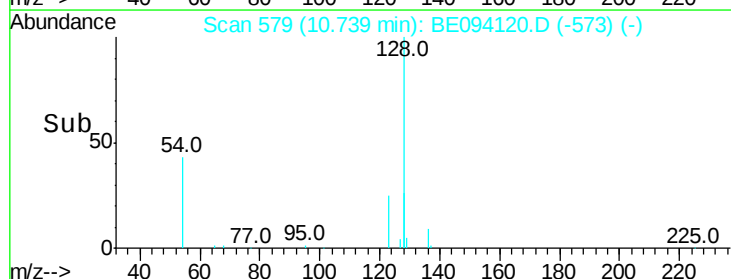
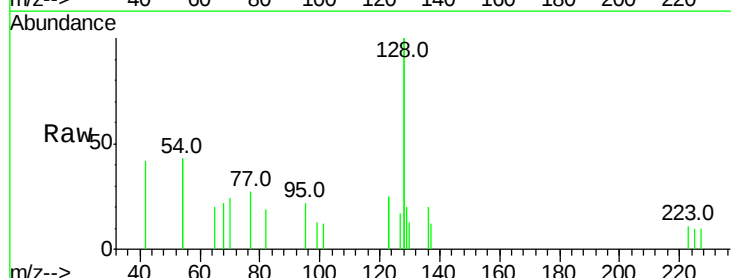
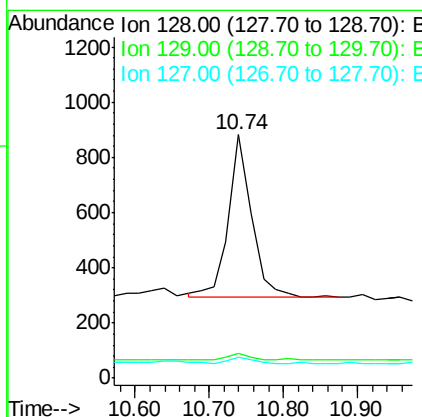
RT: 10.74 min Scan# 579

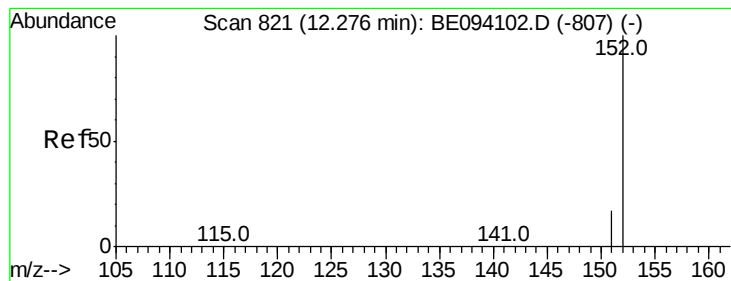
Delta R.T. -0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Tgt Ion:	128	Resp:	1297
Ion	Ratio	Lower	Upper
128	100		
129	10.0	2.6	3.8#
127	8.6	2.8	4.2#





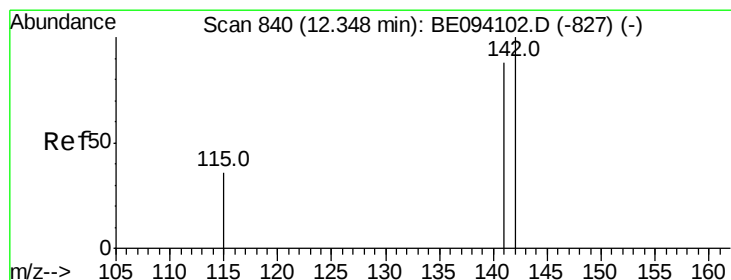
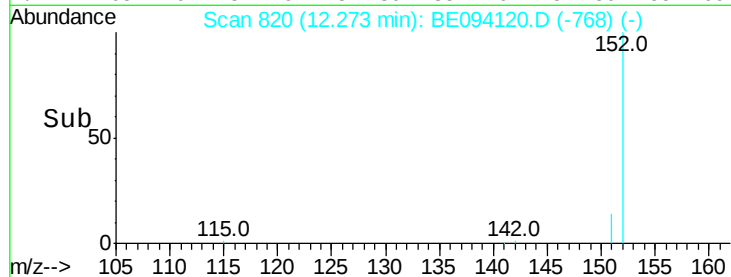
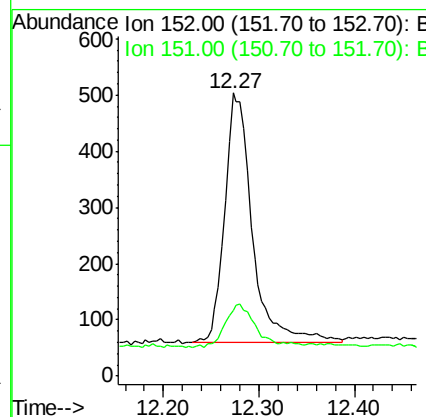
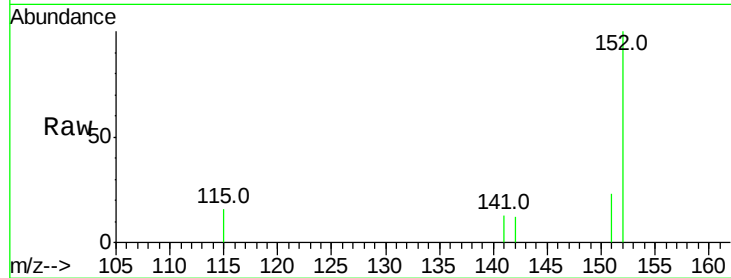
#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.4	23.0

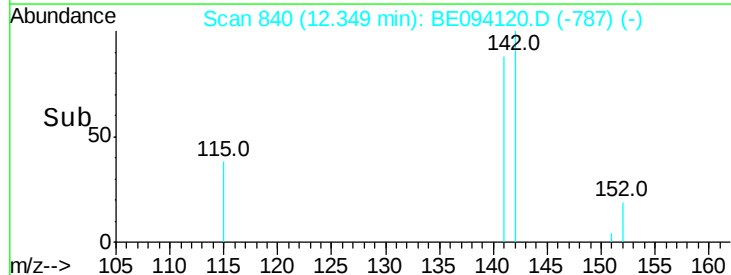
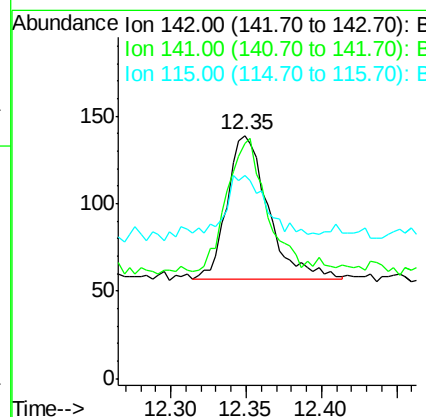
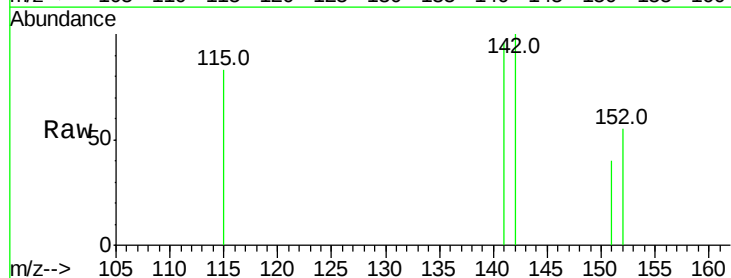
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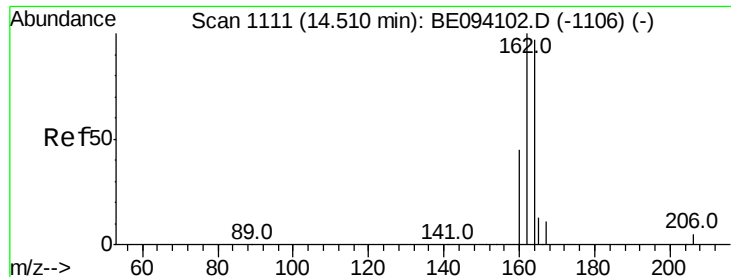
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#12
2-Methylnaphthalene
Concen: 0.047 ng
RT: 12.35 min Scan# 840
Delta R.T. 0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.4	70.4	105.6
115	83.5	31.7	47.5#





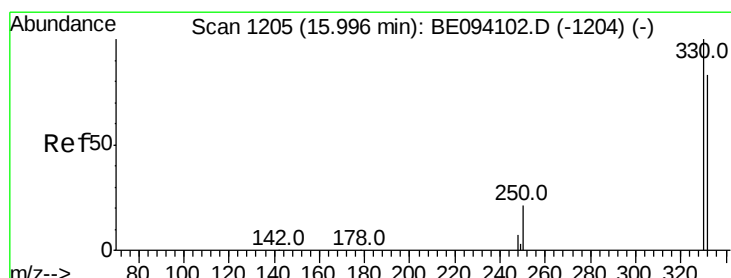
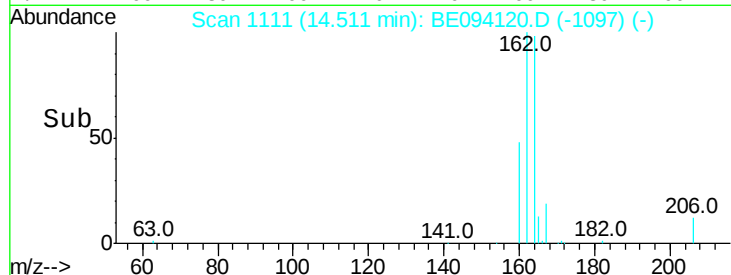
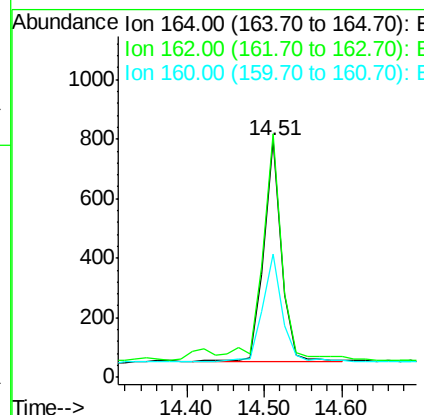
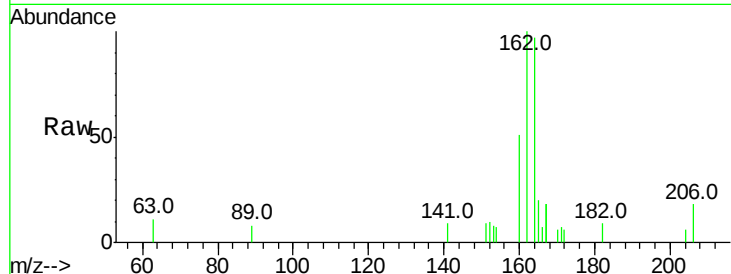
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampled :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.1	124.7
160	52.1	37.1	55.7

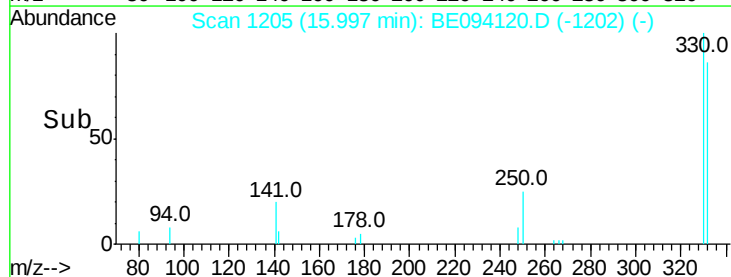
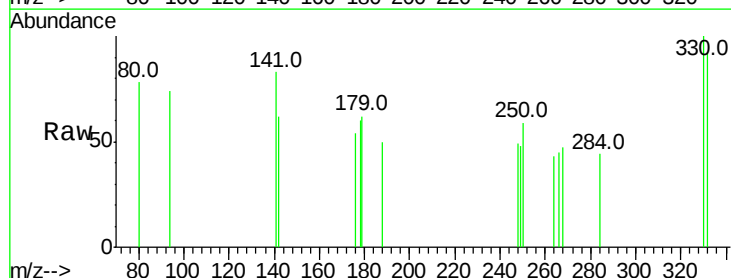
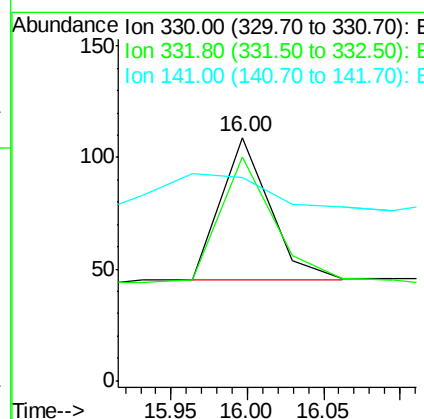
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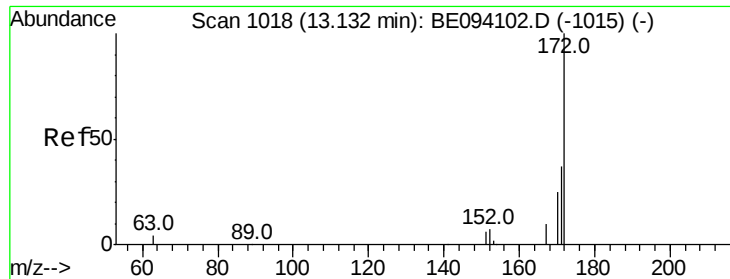
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#14
2,4,6-Tribromophenol
Concen: 0.192 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.3	152.7	229.1#
141	0.0	33.7	50.5#





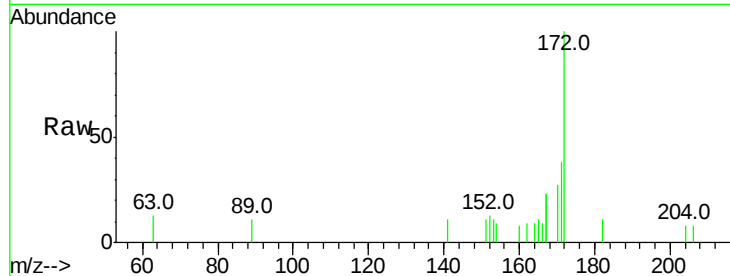
#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.02 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

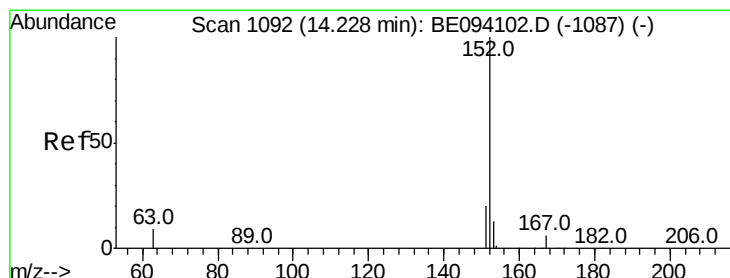
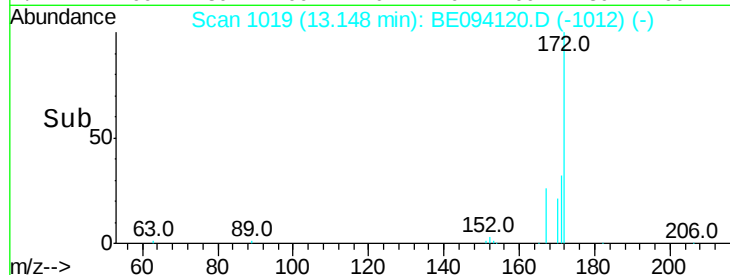
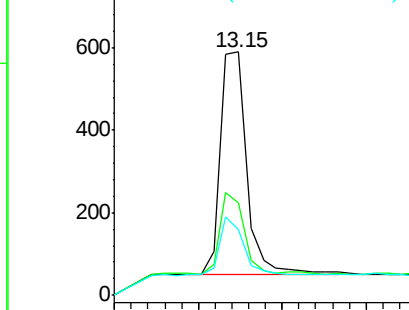
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.9	44.9
170	27.1	21.8	32.8

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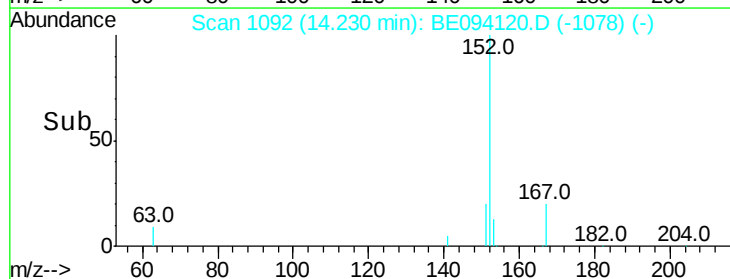
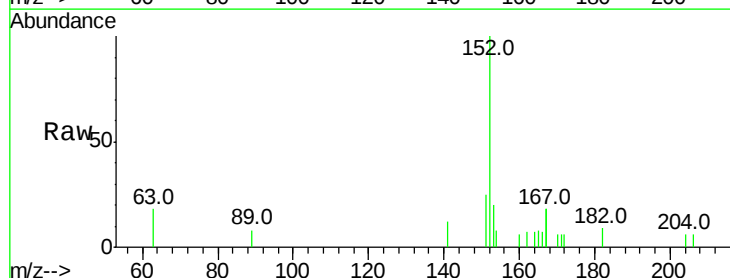
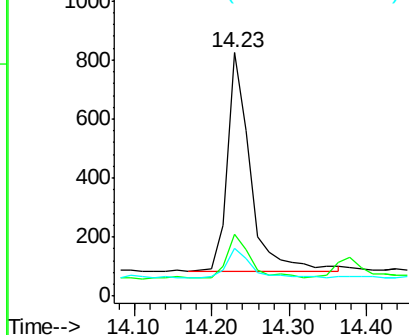
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

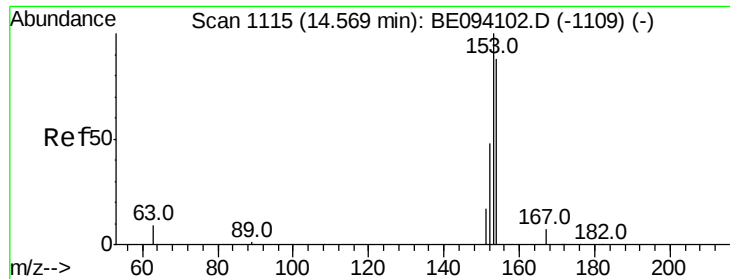


#16
Acenaphthylene
Concen: 0.257 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	14.2	10.5	15.7

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





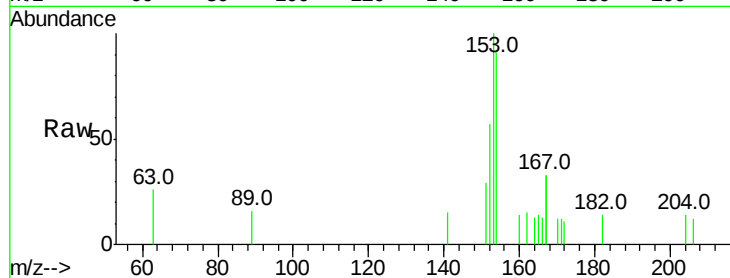
#17
Acenaphthene
Concen: 0.143 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.3	89.2	133.8
152	55.4	42.0	63.0

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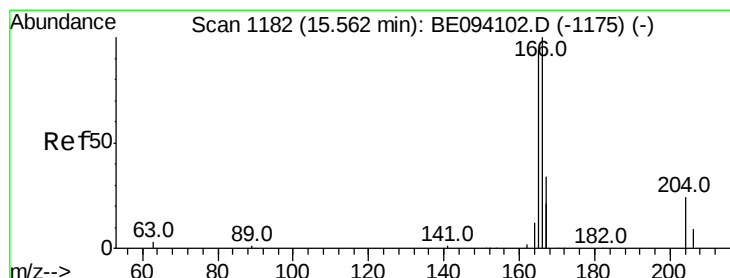
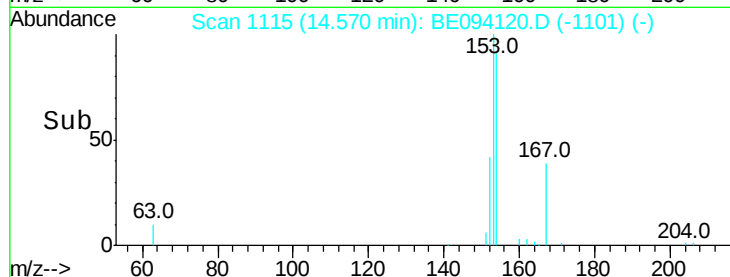
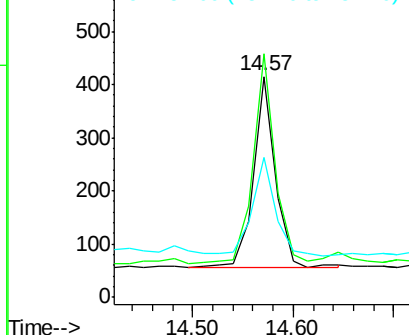


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.144 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

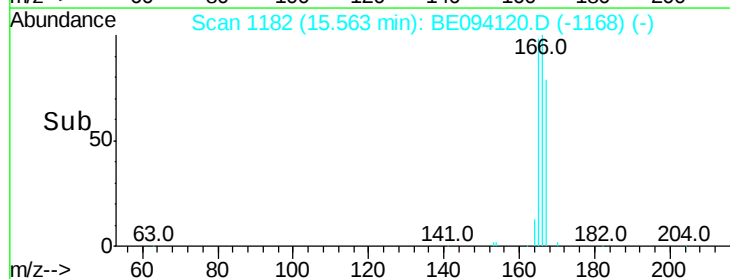
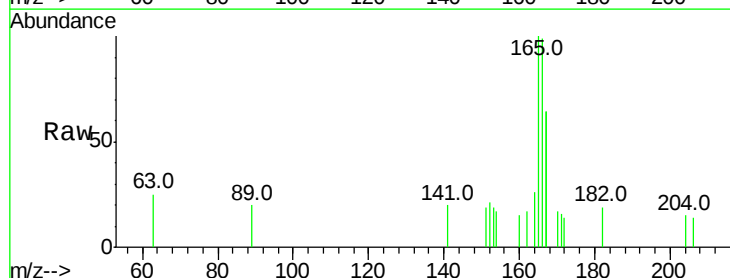
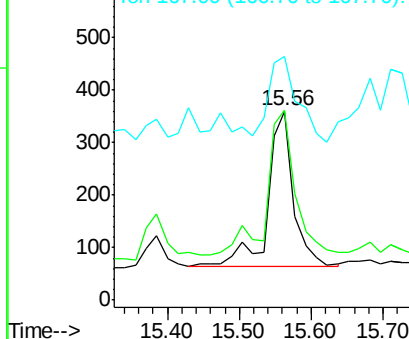
Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.9	77.8	116.6
167	62.3	42.4	63.6

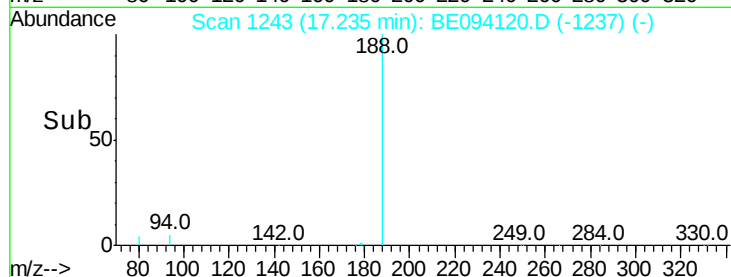
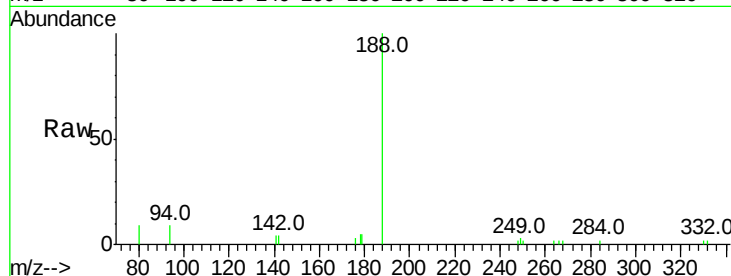
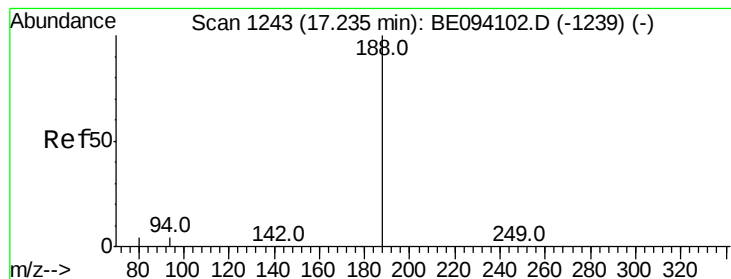
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Instrument :

BNA_E

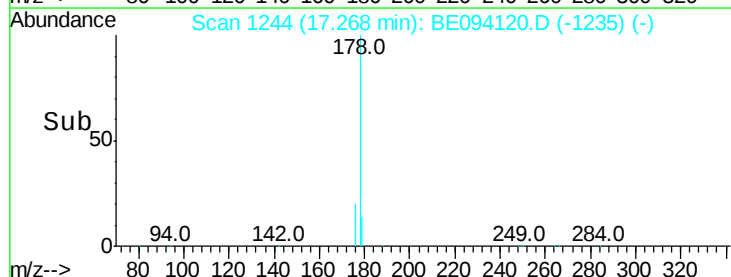
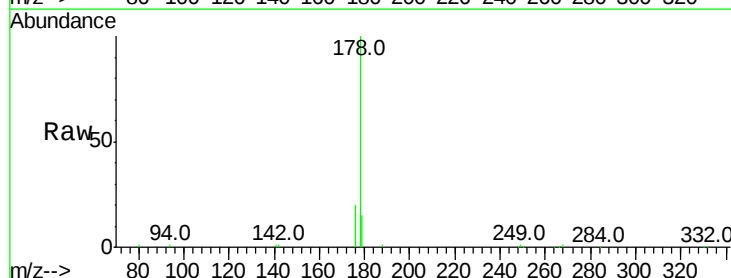
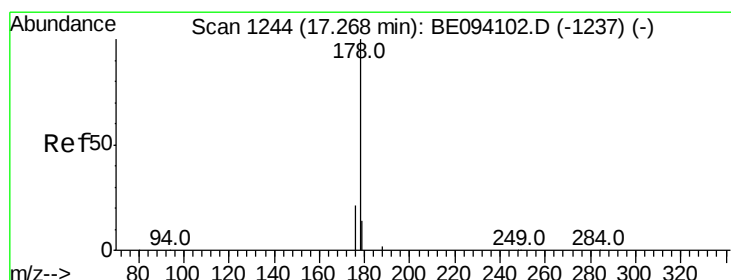
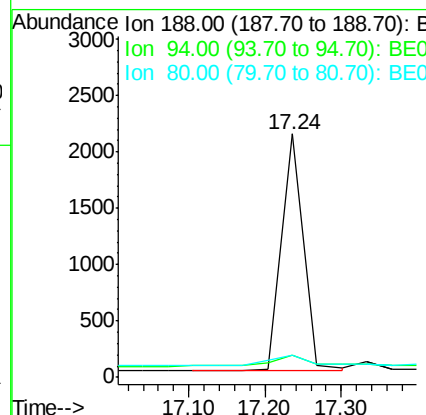
ClientSampleId :

LT-TS-004DL

Tot Ion:	188	Resp:	4281
Ion Ratio	Lower	Upper	
188	100		
94	9.1	3.9	5.9#
80	9.1	3.6	5.4#

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#23

Phenanthrene

Concen: 1.994 ng

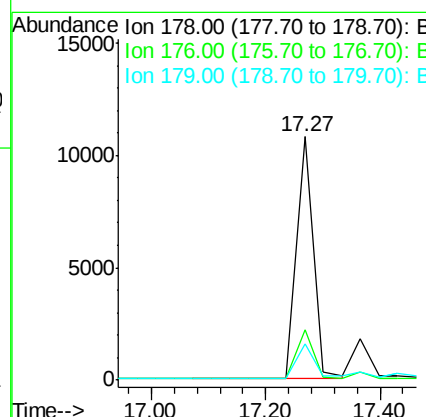
RT: 17.27 min Scan# 1244

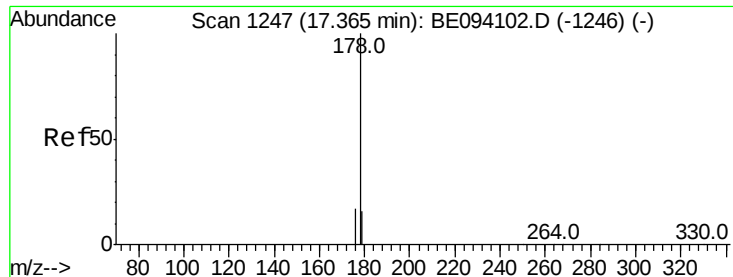
Delta R.T. 0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Tgt Ion:	178	Resp:	21840
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.1	22.7
179	15.3	11.8	17.6





#24

Anthracene

Concen: 0.333 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Instrument :

BNA_E

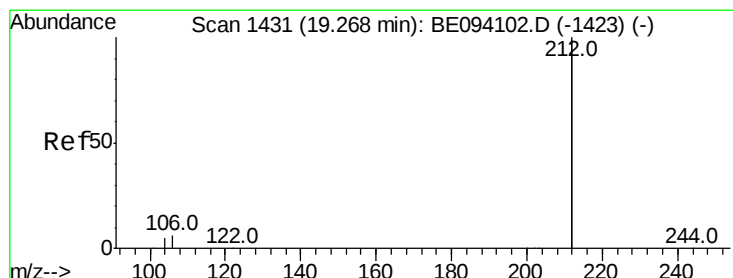
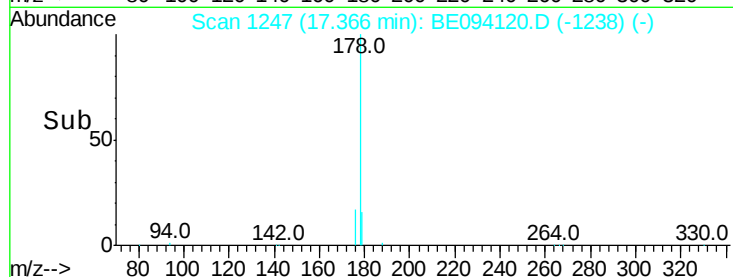
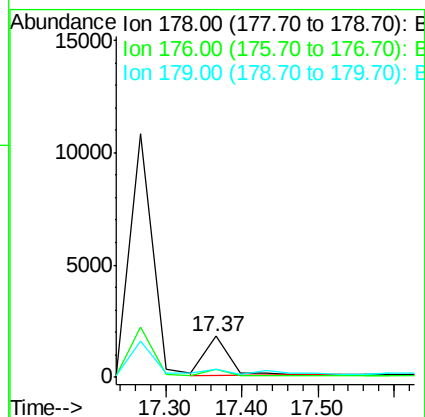
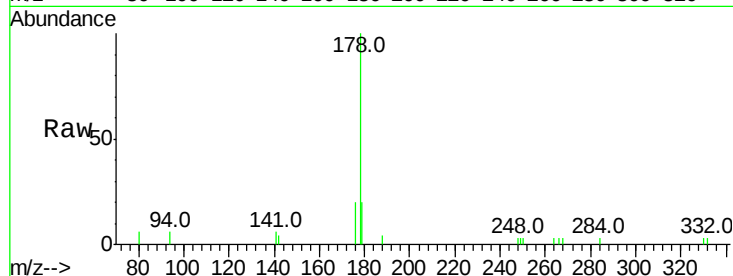
ClientSampled :

LT-TS-004DL

Tot Ion:	178	Resp:	3822
Ion Ratio	Lower	Upper	
178	100		
176	16.9	12.8	19.2
179	25.1	13.0	19.6#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.247 ng

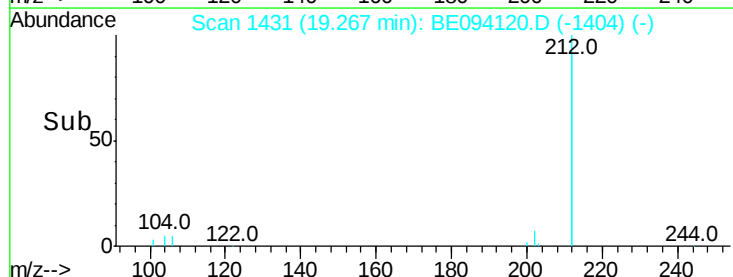
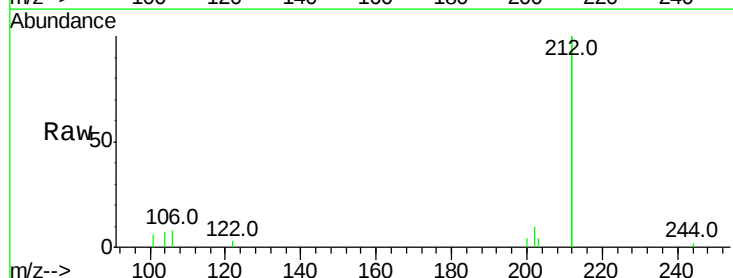
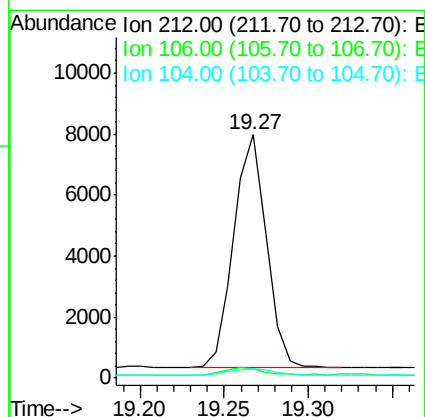
RT: 19.27 min Scan# 1431

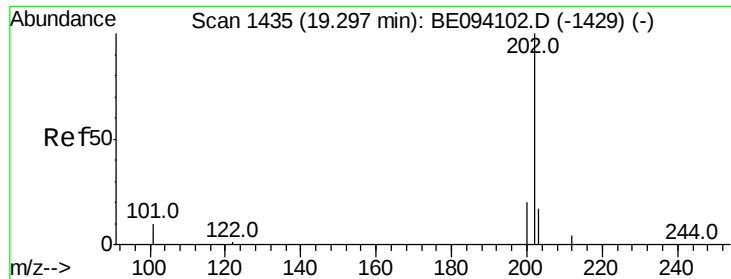
Delta R.T. -0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Tgt Ion:	212	Resp:	10235
Ion Ratio	Lower	Upper	
212	100		
106	3.8	2.8	4.2
104	3.5	1.6	2.4#





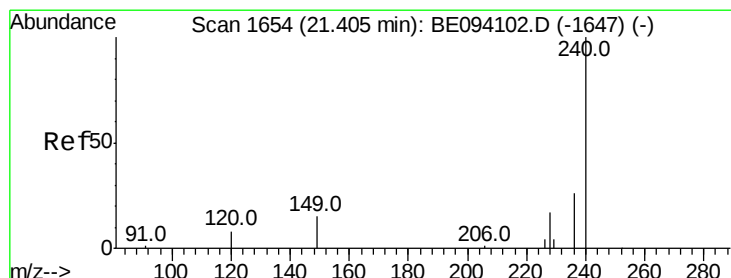
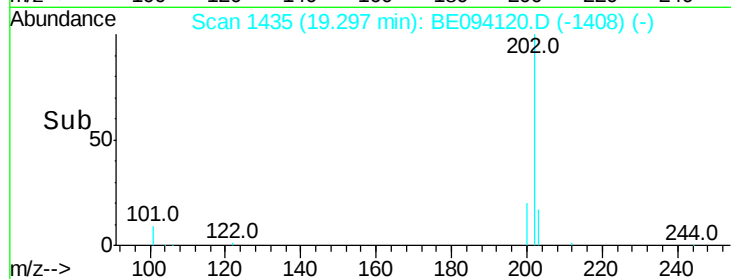
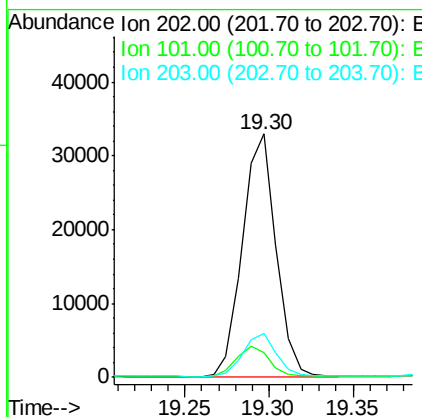
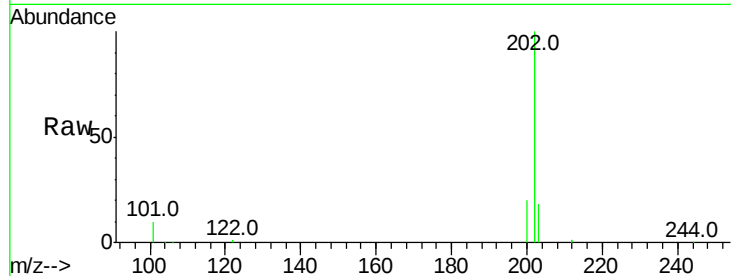
#26
Fluoranthene
Concen: 3.706 ng
RT: 19.30 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.8	14.8
203	17.3	13.7	20.5

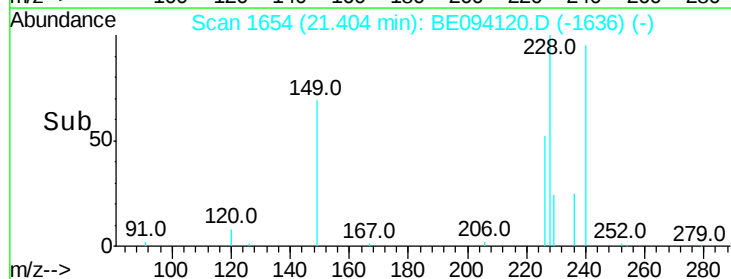
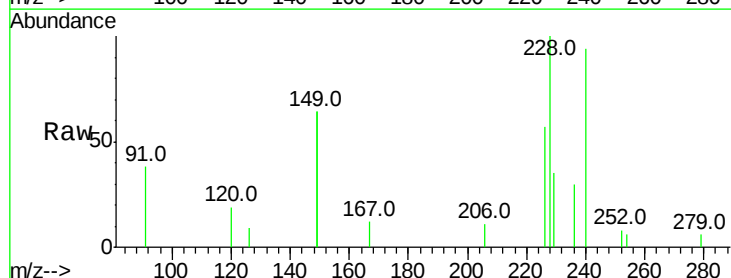
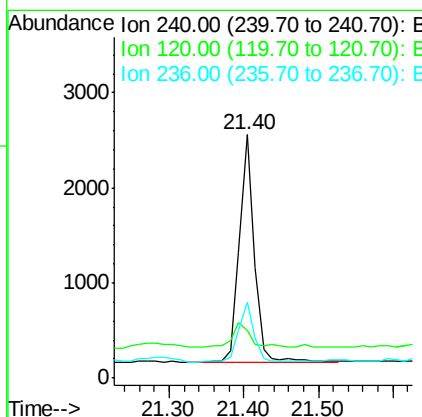
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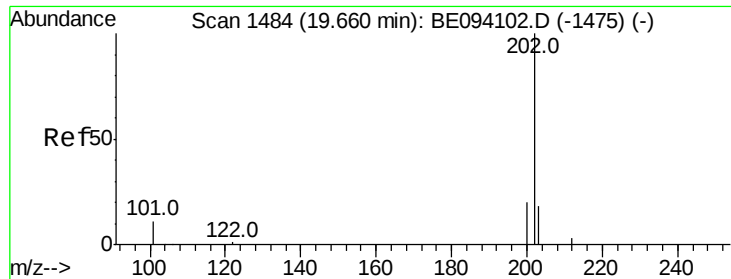
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.8	5.5	8.3#
236	31.4	20.7	31.1#





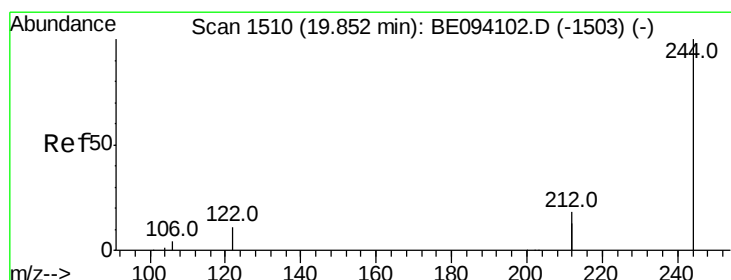
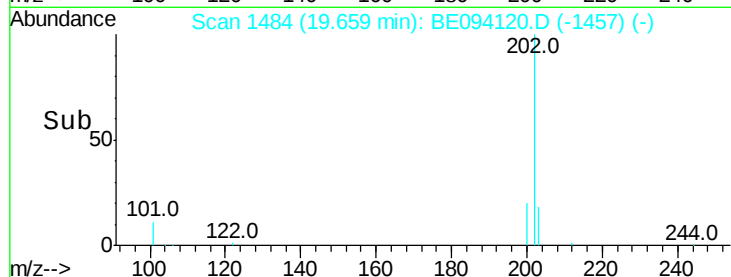
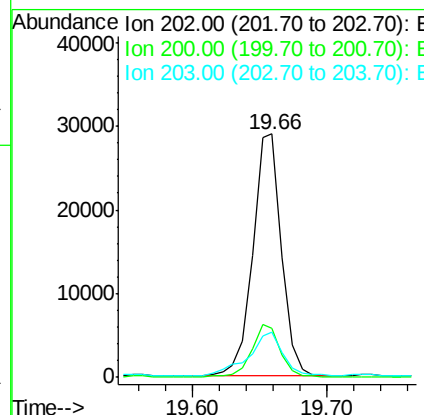
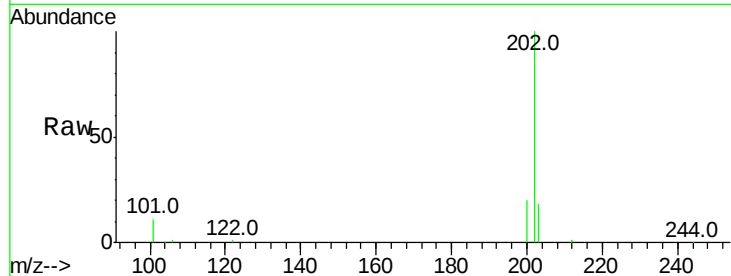
#28
Pvrene
Concen: 4.022 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	16.6	25.0	
203	21.5	13.8	20.8	

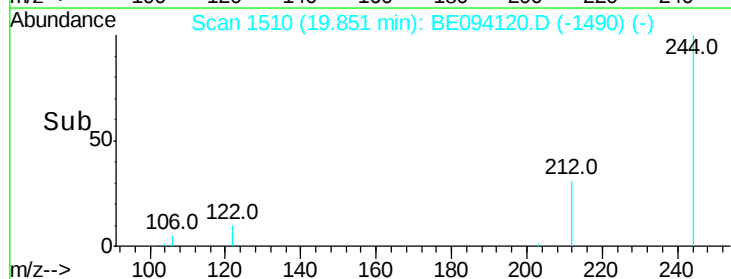
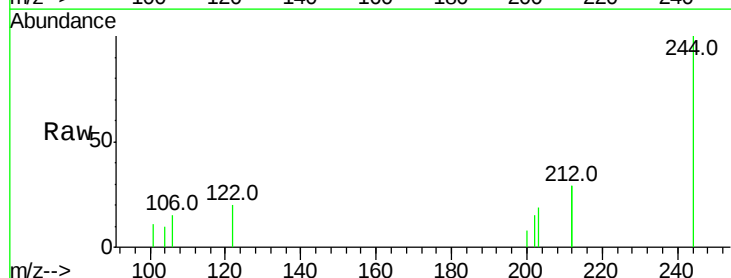
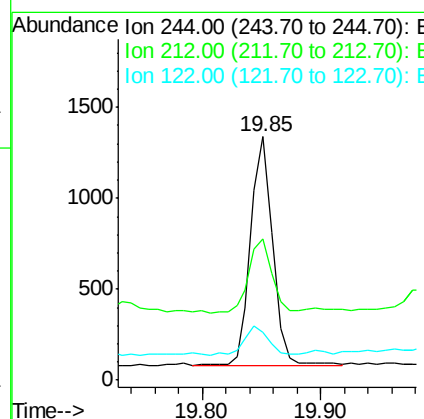
Manual Integrations
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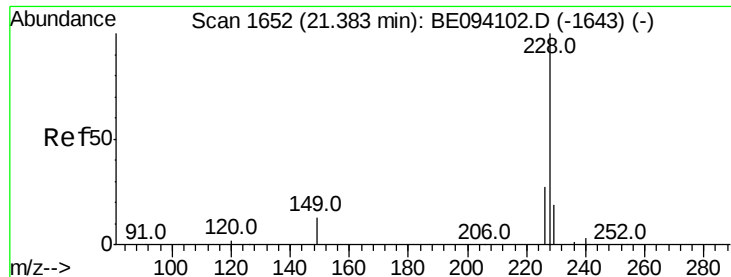
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#29
Terphenyl-d14
Concen: 0.266 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	58.3	25.4	38.0	
122	19.8	8.1	12.1	





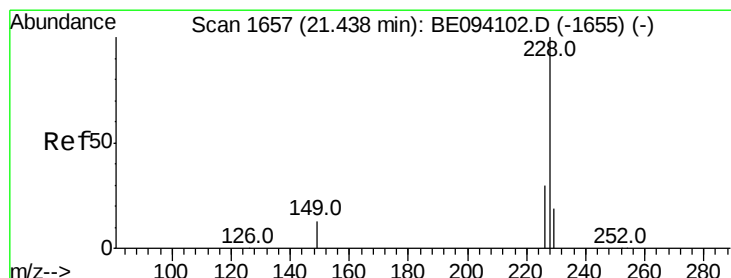
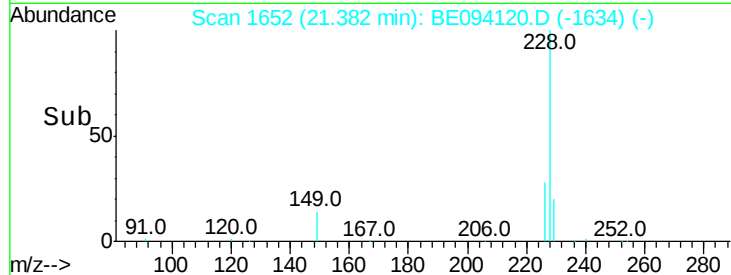
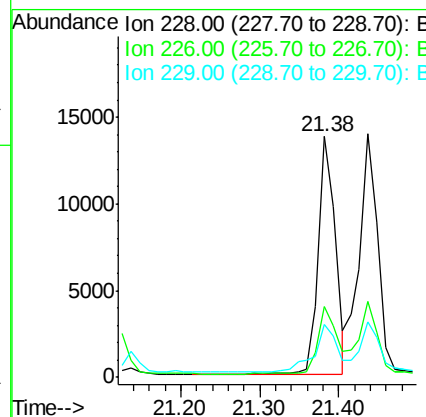
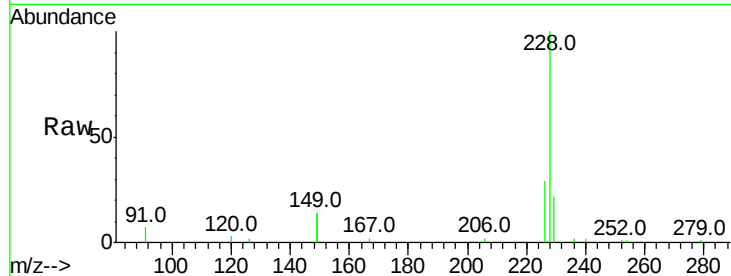
#30
Benzo(a)anthracene
Concen: 1.775 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.4	32.0
229	21.9	16.4	24.6

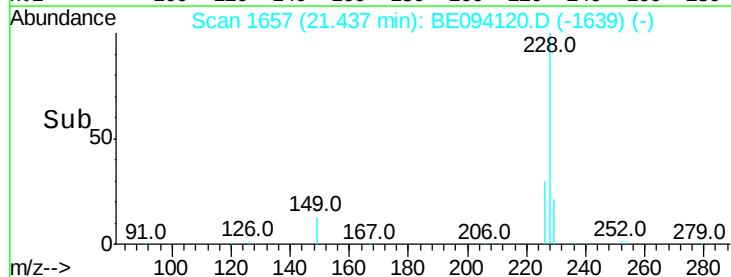
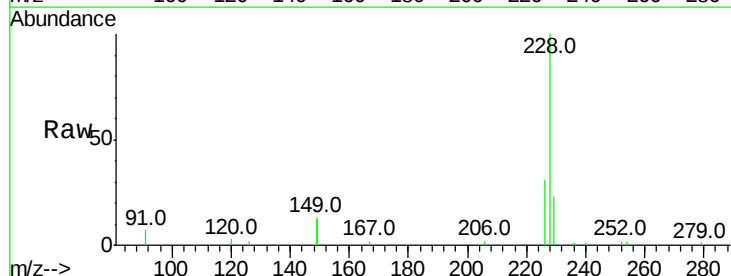
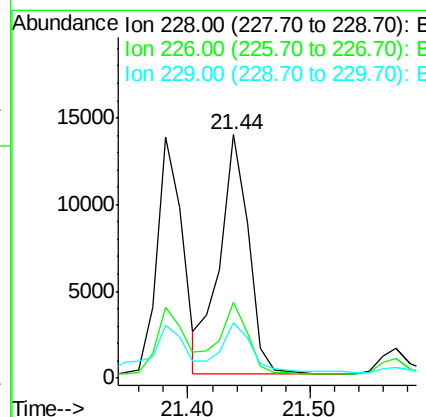
Manual Integrations
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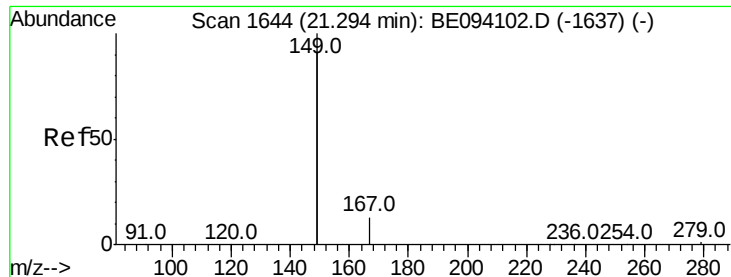
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#31
Chrysene
Concen: 2.030 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.6	35.4
229	22.7	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.350 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Instrument :

BNA_E

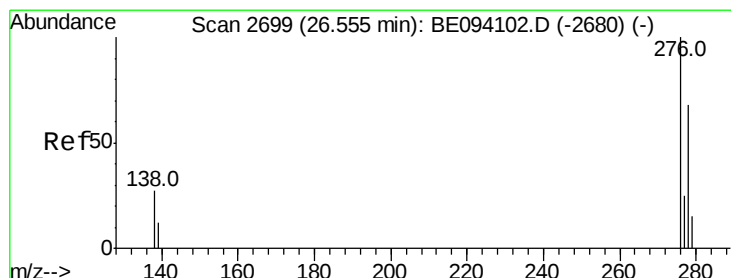
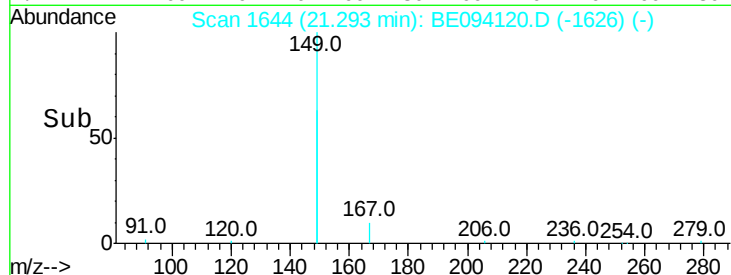
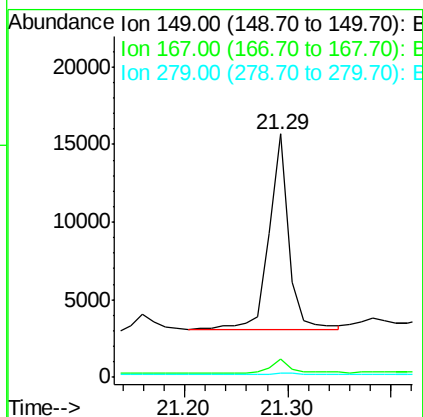
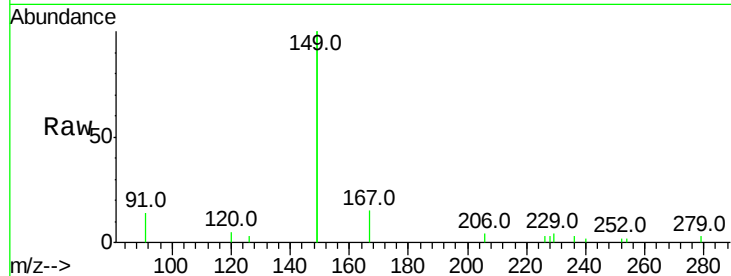
ClientSampleId :

LT-TS-004DL

Tot Ion:	149	Resp:	16565
Ion Ratio	Lower	Upper	
149	100		
167	6.7	5.4	8.0
279	1.0	0.7	1.1

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.096 ng

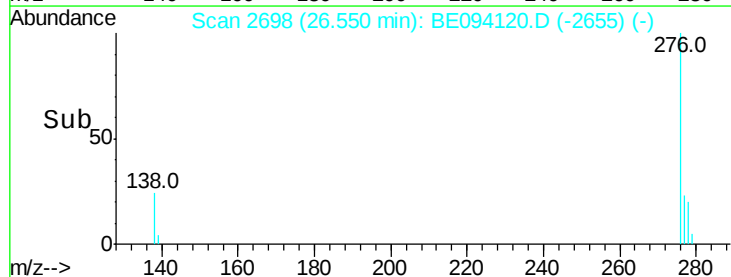
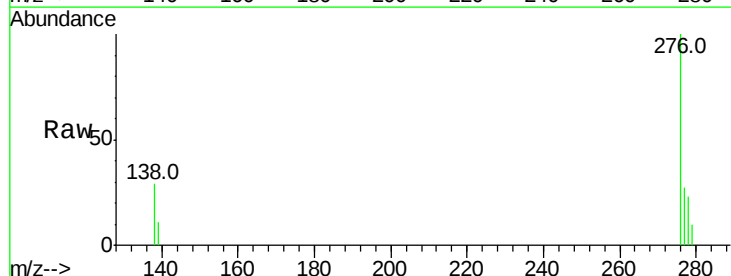
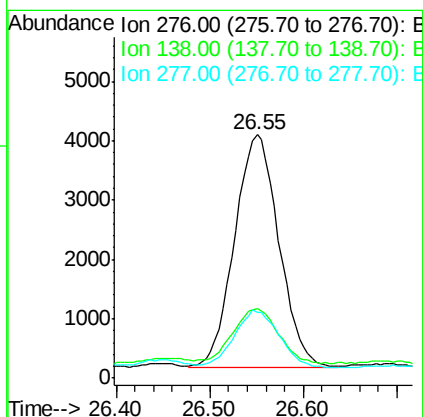
RT: 26.55 min Scan# 2698

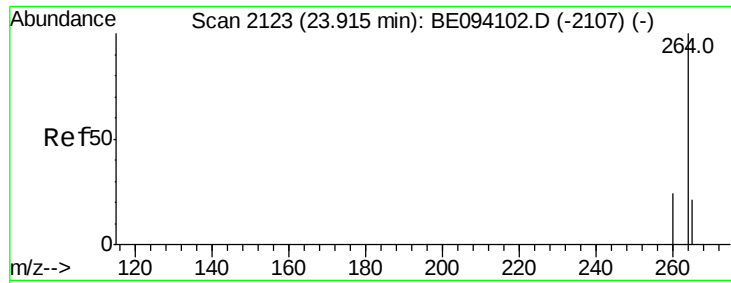
Delta R.T. -0.00 min

Lab File: BE094120.D

Acq: 26 Sep 2017 2:06

Tgt Ion:	276	Resp:	12909
Ion Ratio	Lower	Upper	
276	100		
138	24.6	22.5	33.7
277	25.3	19.9	29.9





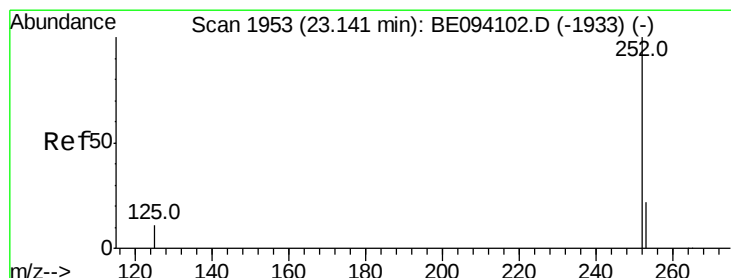
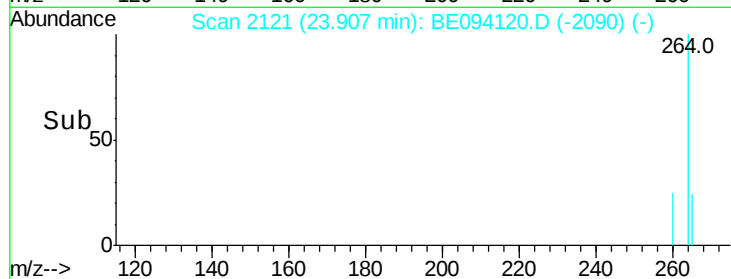
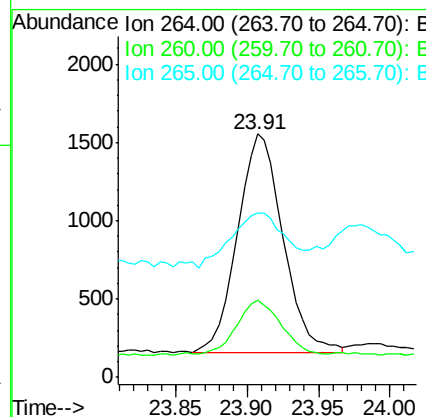
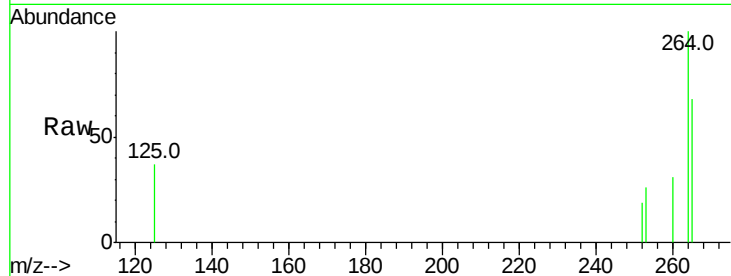
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleID :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	31.4	20.5	30.7#
265	67.7	22.8	34.2#

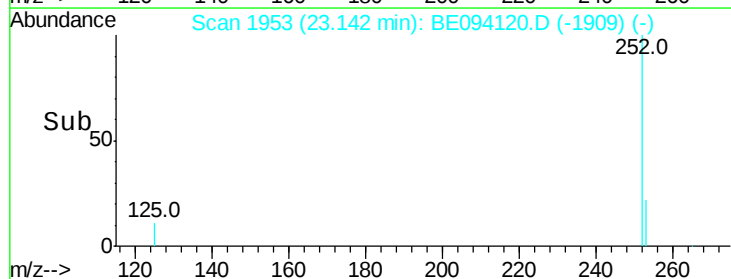
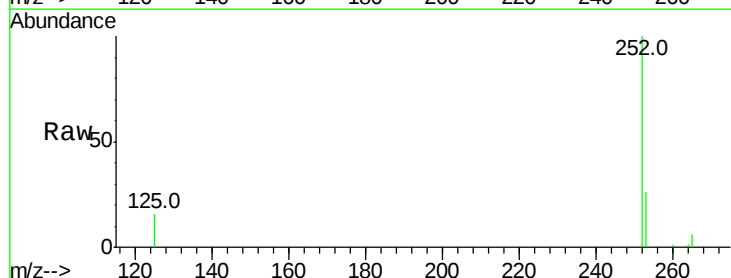
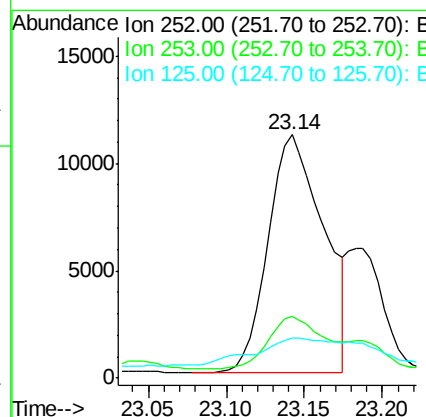
Manual Integrations
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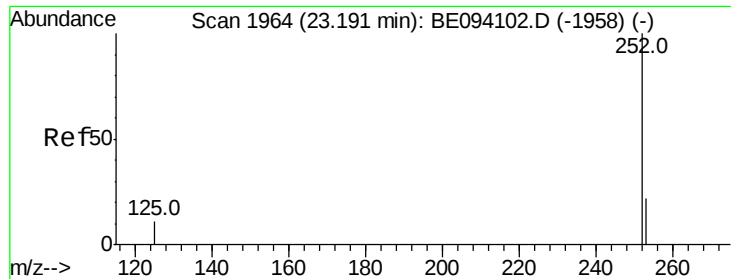
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#35
Benzo(b)fluoranthene
Concen: 2.440 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.2
125	16.3	10.1	15.1#





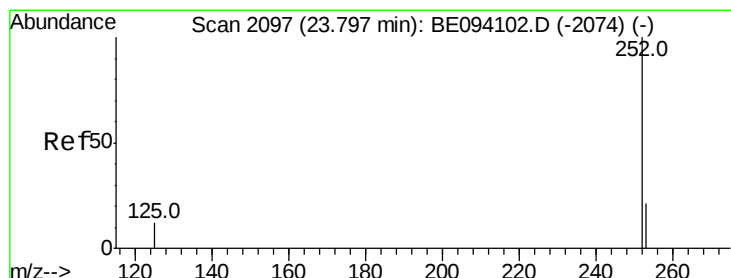
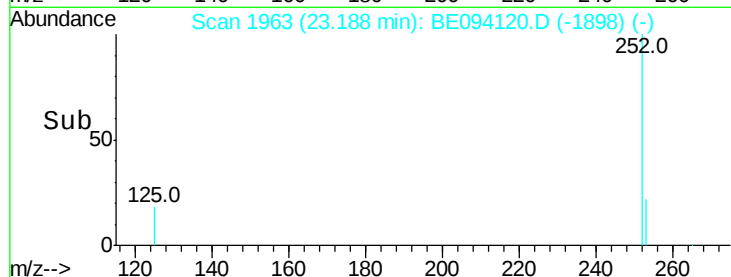
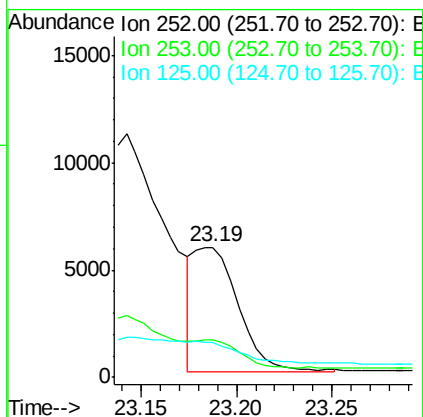
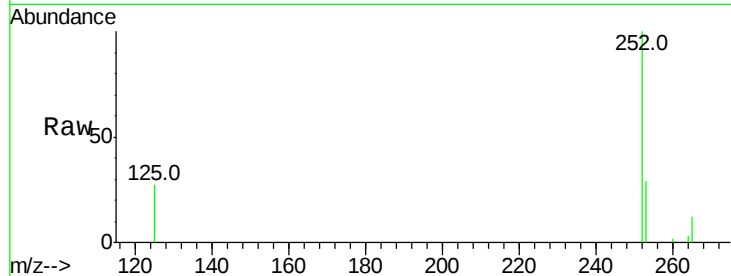
#36
Benzo(k)fluoranthene
Concen: 0.879 ng m
RT: 23.19 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampled :
LT-TS-004DL

Tot Ion:252 Resp: 9474
Ion Ratio Lower Upper
252 100
253 28.7 18.6 27.8#
125 26.9 10.7 16.1#

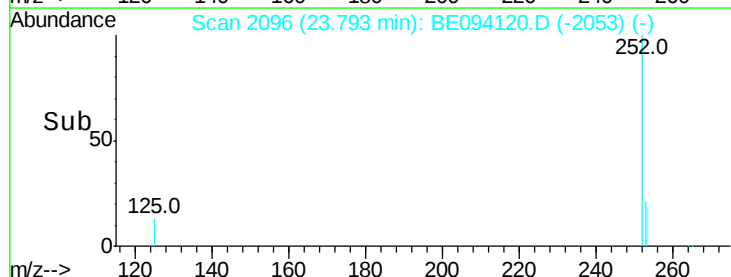
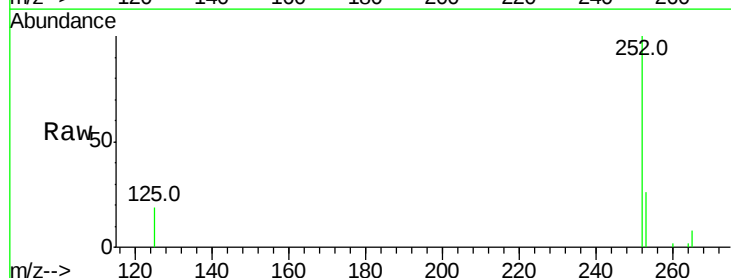
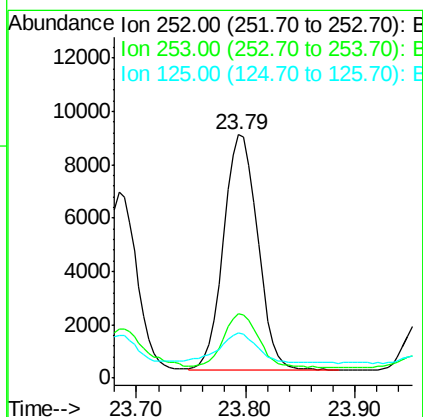
Manual Integrations
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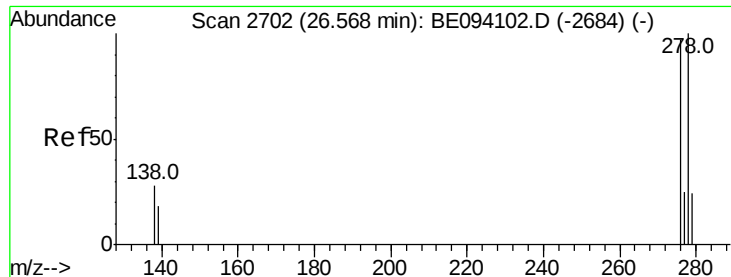
Sohil
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#37
Benzo(a)pyrene
Concen: 1.890 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion:252 Resp: 19215
Ion Ratio Lower Upper
252 100
253 26.4 19.0 28.6
125 18.8 11.8 17.8#





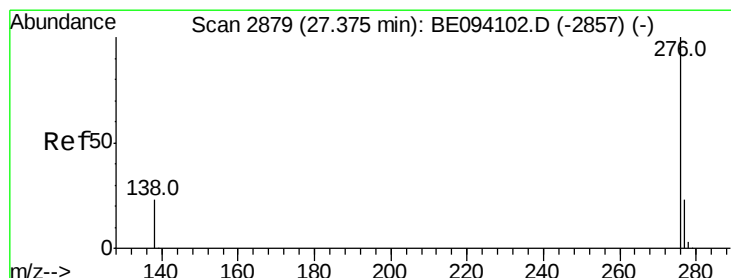
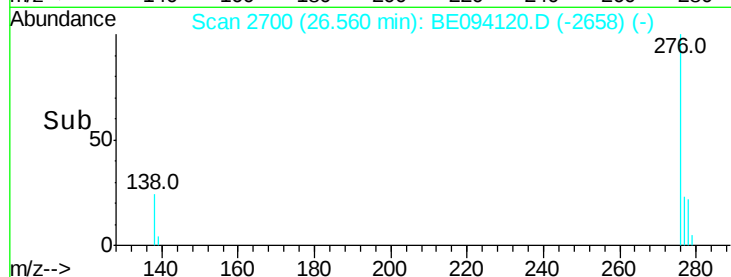
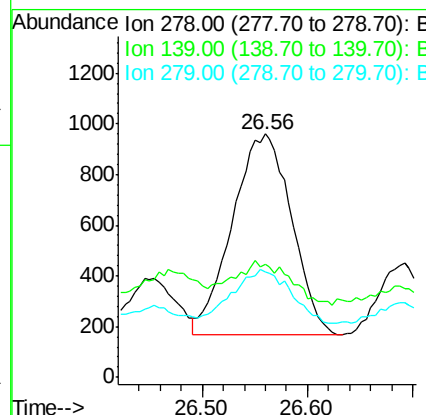
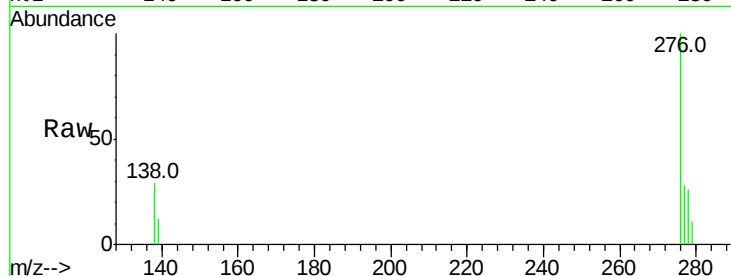
#38
Dibenzo(a,h)anthracene
Concen: 0.320 ng
RT: 26.56 min Scan# 2700
Delta R.T. -0.01 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Instrument :
BNA_E
ClientSampleId :
LT-TS-004DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	46.2	16.3	24.5#
279	43.2	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/26/2017 5:04:08 PM



#39
Benzo(g,h,i)perylene
Concen: 1.393 ng
RT: 27.37 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BE094120.D
Acq: 26 Sep 2017 2:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	20.8	31.2
138	28.7	21.5	32.3

