

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
 Data File : BE094124.D
 Acq On : 26 Sep 2017 9:46
 Operator : SJ/JU
 Sample : I5340-06RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-006

Manual Integrations
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Sohil
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Quant Time: Sep 26 16:22:59 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	1501	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7204	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	4800	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	18340	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15729	0.40	ng	0.00
34) Perylene-d12	23.91	264	14895	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	2371	0.42	ng	0.00
5) Phenol-d6	7.09	99	3374	0.43	ng	0.00
8) Nitrobenzene-d5	9.06	82	2819	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4923	0.44	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1019	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	6427	0.41	ng	0.00
25) Fluoranthene-d10	19.27	212	71186	0.40	ng	0.00
29) Terphenyl-d14	19.85	244	11061	0.39	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	3090	0.038	ng	# 92
12) 2-Methylnaphthalene	12.35	142	498	0.038	ng	# 85
16) Acenaphthylene	14.23	152	5238	0.218	ng	99
17) Acenaphthene	14.57	154	649	0.043	ng	# 91
18) Fluorene	15.56	166	1542	0.076	ng	90
23) Phenanthrene	17.27	178	45646	0.973	ng	98
24) Anthracene	17.37	178	6990	0.142	ng	# 92
26) Fluoranthene	19.30	202	101640	1.933	ng	99
28) Pyrene	19.66	202	100657	2.020	ng	# 96
30) Benzo(a)anthracene	21.38	228	47371	0.894	ng	97
31) Chrysene	21.44	228	57588	1.127	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	42086	0.059	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	33631	0.615	ng	96
35) Benzo(b)fluoranthene	23.14	252	73183	1.362	ng	97
36) Benzo(k)fluoranthene	23.18	252	24263m	0.472	ng	
37) Benzo(a)pyrene	23.79	252	48855	1.006	ng	99
38) Dibenzo(a,h)anthracene	26.56	278	8508	0.185	ng	# 77
39) Benzo(a,h,i)perylene	27.38	276	34556	0.759	ng	99

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

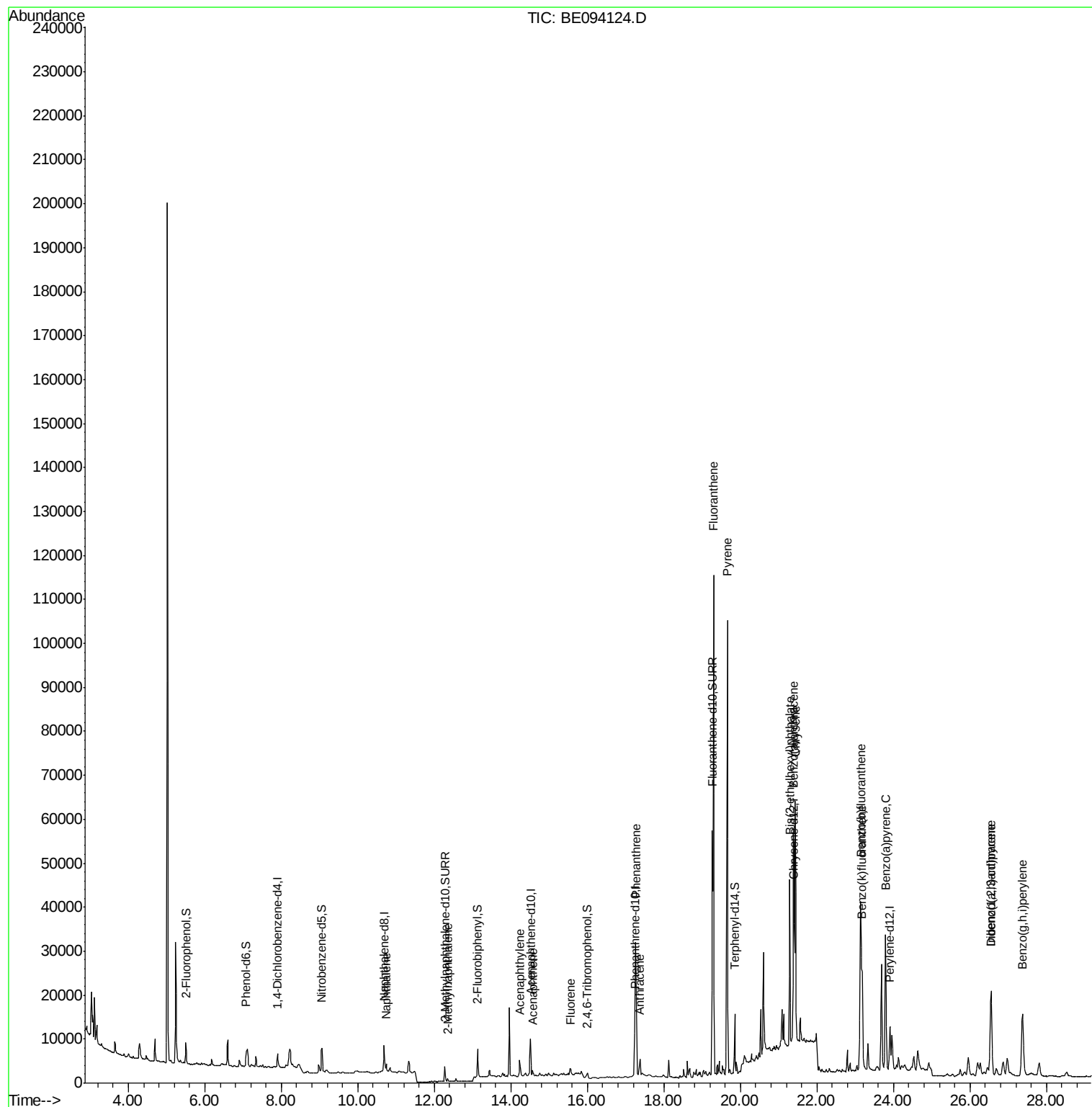
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
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#1

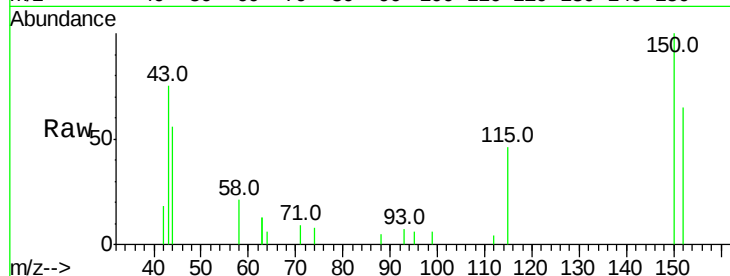
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

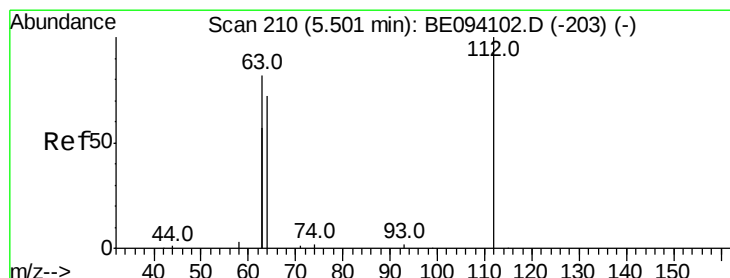
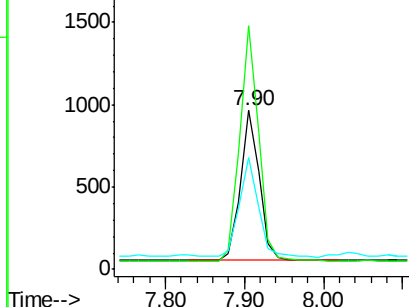
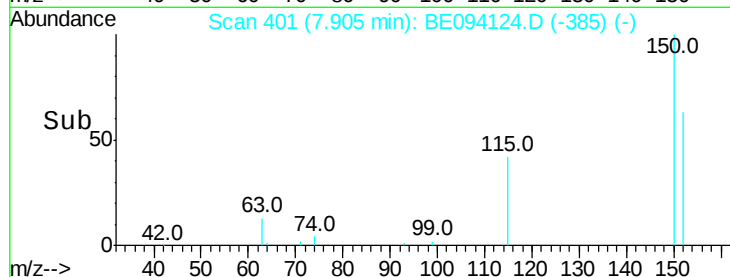
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	117.2	175.8
115	70.3	57.0	85.6

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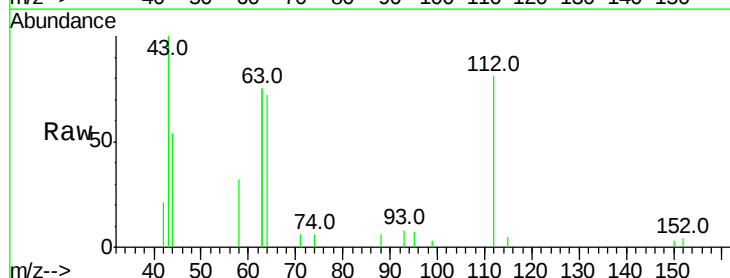
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



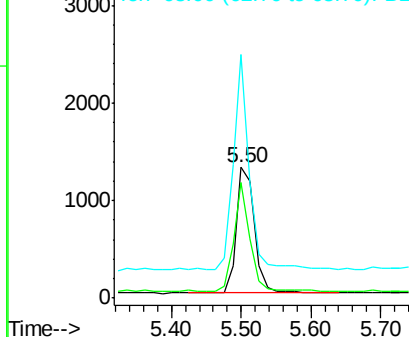
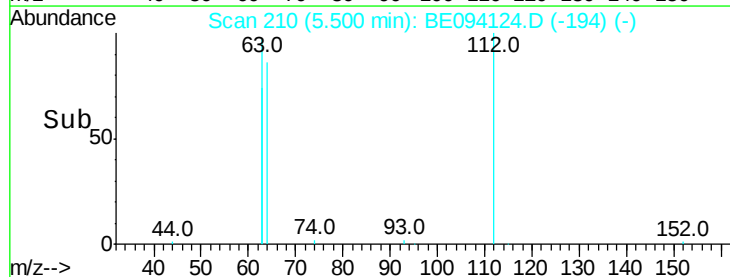
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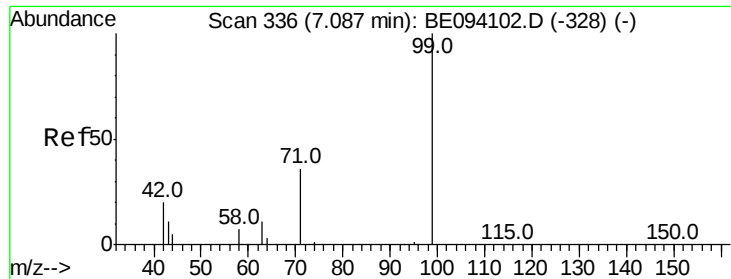
2-Fluorophenol
Concen: 0.417 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.7	60.1	90.1
63	151.5	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: 0.427 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Instrument :

BNA_E

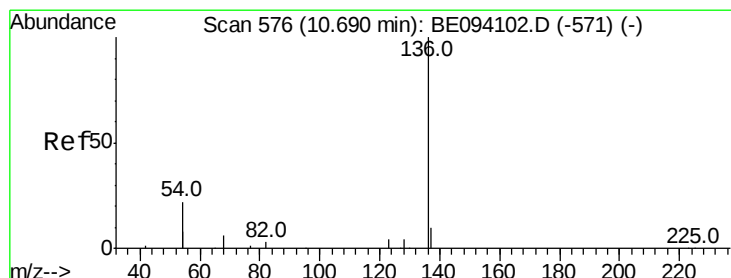
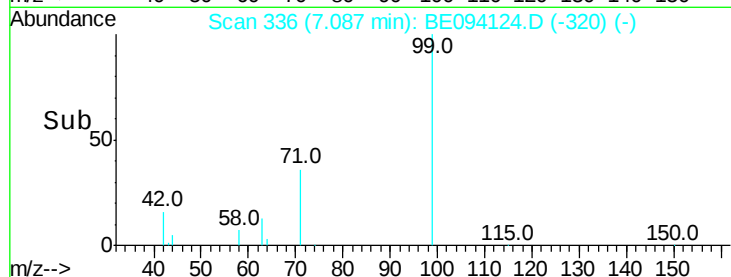
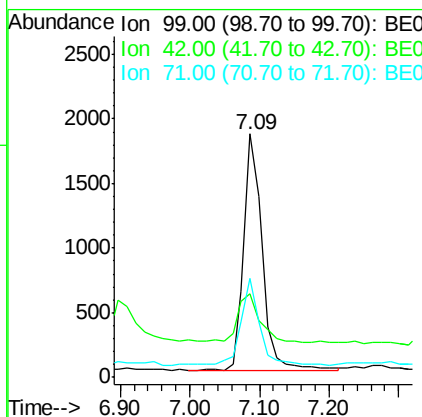
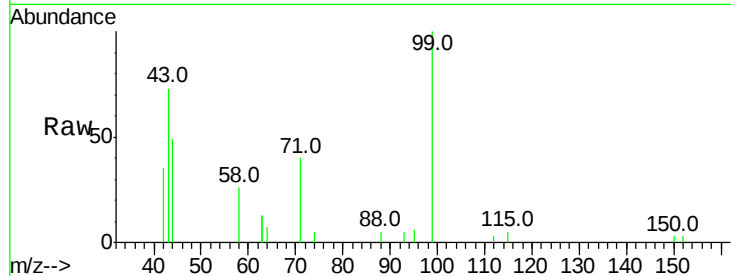
ClientSampled :

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Tot Ion:	99	Resp:	3374
Ion	Ratio	Lower	Upper
99	100		
42	24.7	20.2	30.2
71	36.5	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

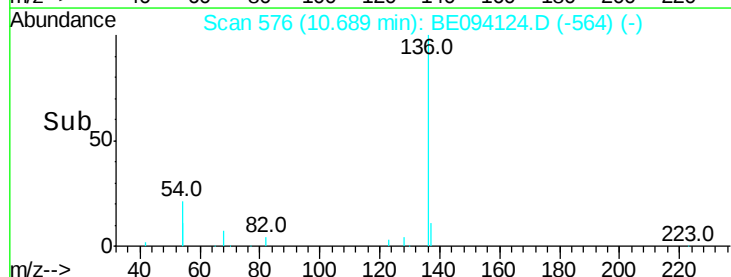
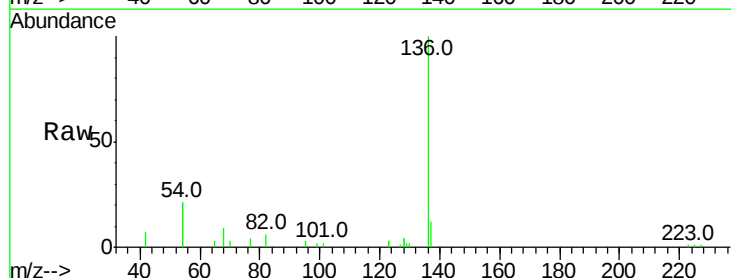
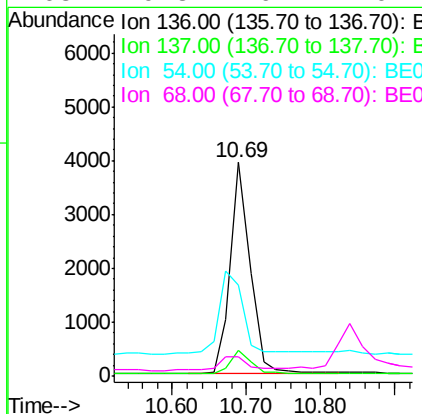
RT: 10.69 min Scan# 576

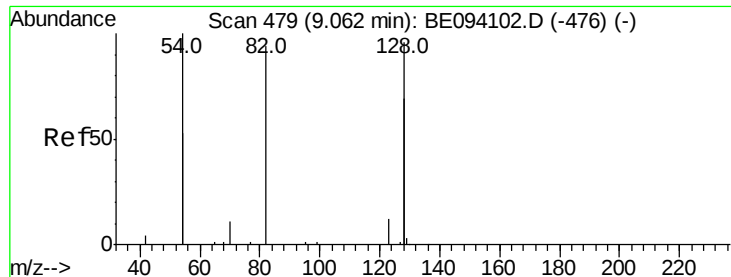
Delta R.T. -0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Tgt Ion:	136	Resp:	7204
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	42.3	29.1	43.7
68	9.3	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.404 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Instrument :

BNA_E

ClientSampleId :

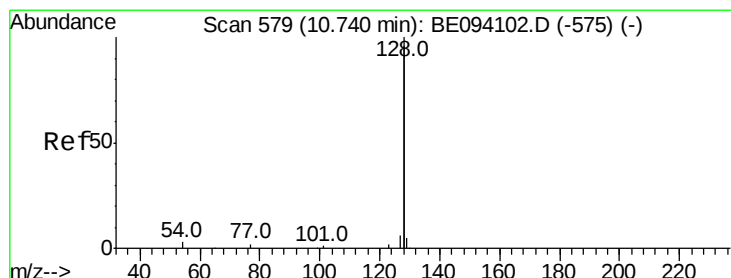
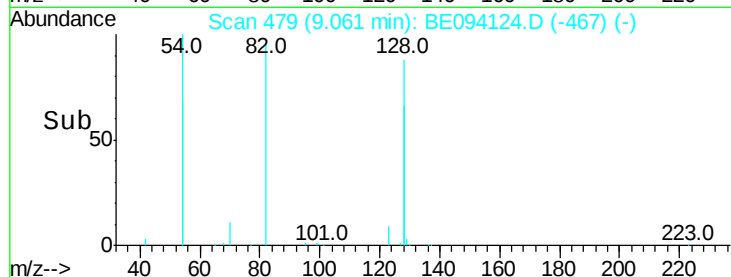
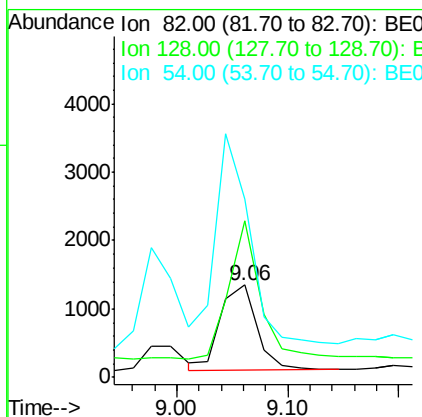
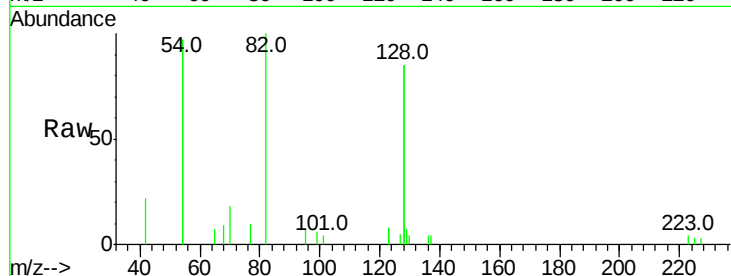
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Tot Ion:	82	Resp:	2819
Ion	Ratio	Lower	Upper
82	100		
128	170.1	150.0	225.0
54	193.8	154.2	231.4

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#9

Naphthalene

Concen: 0.038 ng

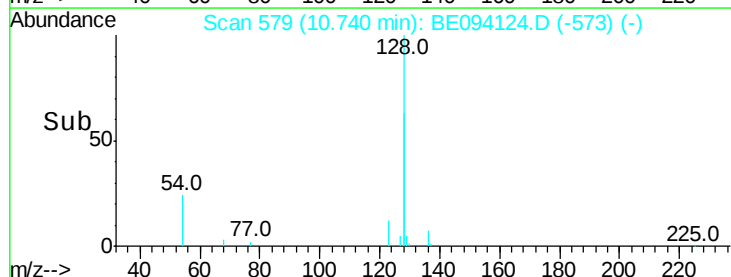
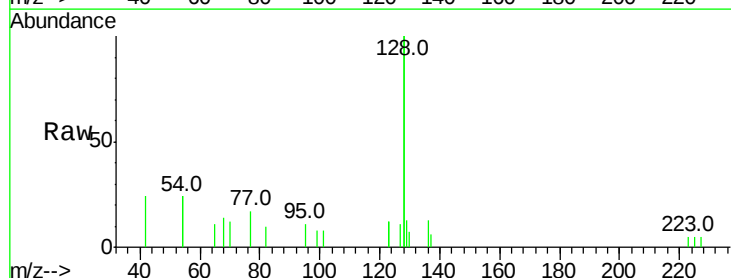
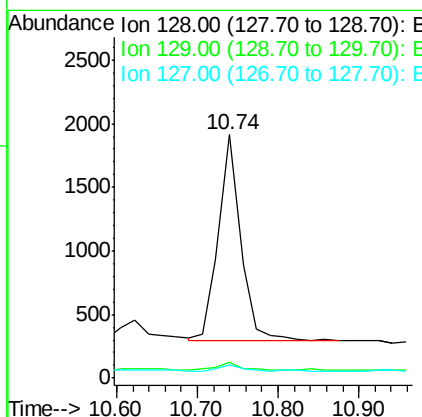
RT: 10.74 min Scan# 579

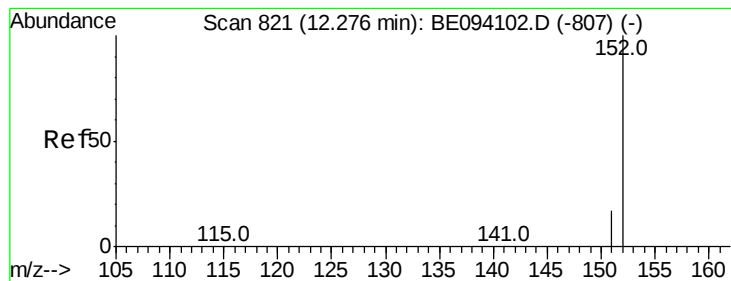
Delta R.T. -0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Tgt Ion:	128	Resp:	3090
Ion	Ratio	Lower	Upper
128	100		
129	6.3	2.6	3.8#
127	5.7	2.8	4.2#





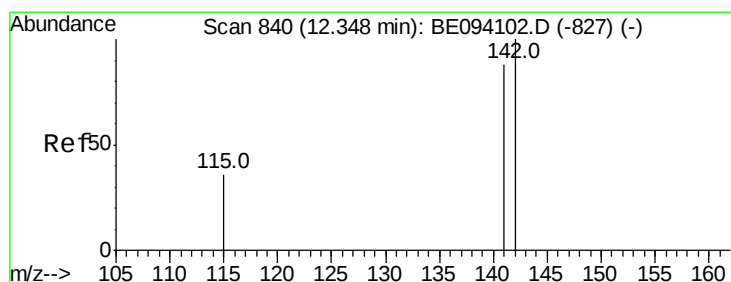
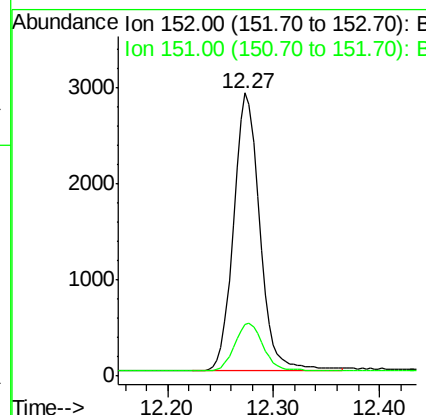
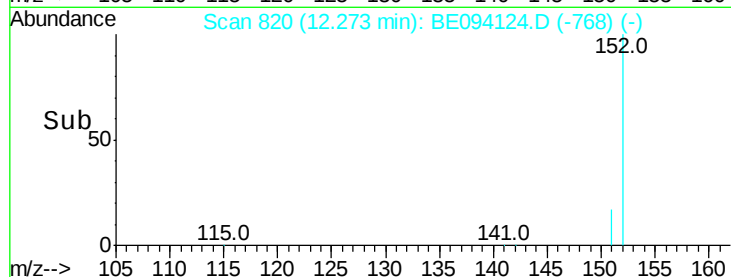
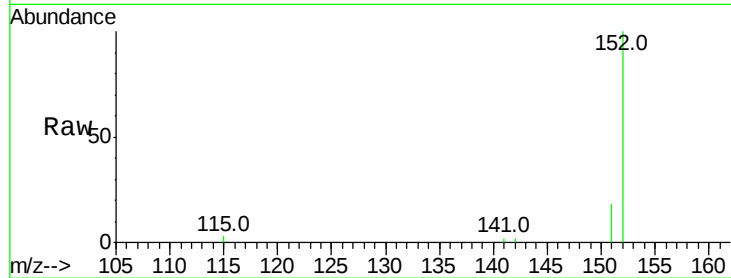
#11
2-Methylnaphthalene-d10
Concen: 0.443 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion:152 Resp: 4923
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.0

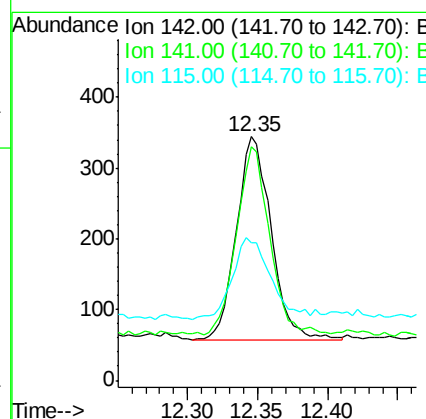
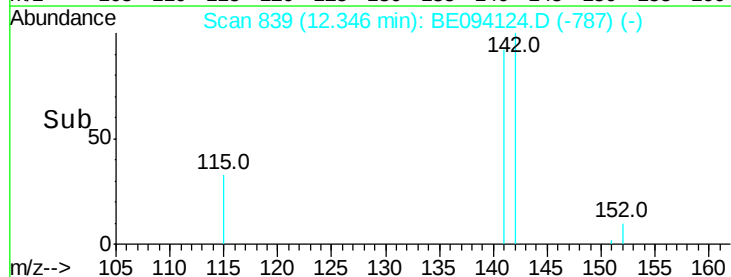
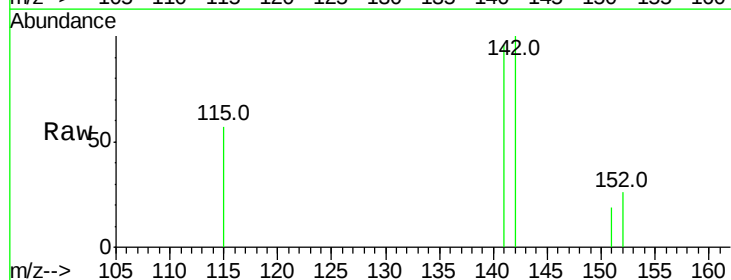
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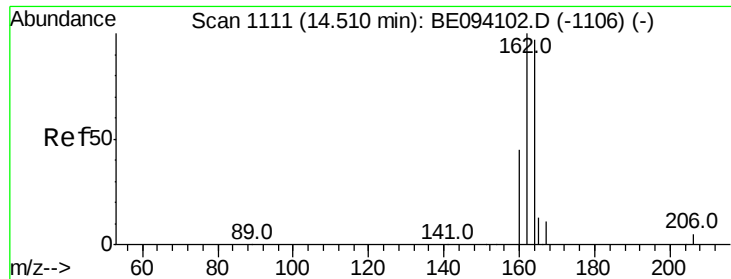
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#12
2-Methylnaphthalene
Concen: 0.038 ng
RT: 12.35 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion:142 Resp: 498
Ion Ratio Lower Upper
142 100
141 96.2 70.4 105.6
115 56.7 31.7 47.5#





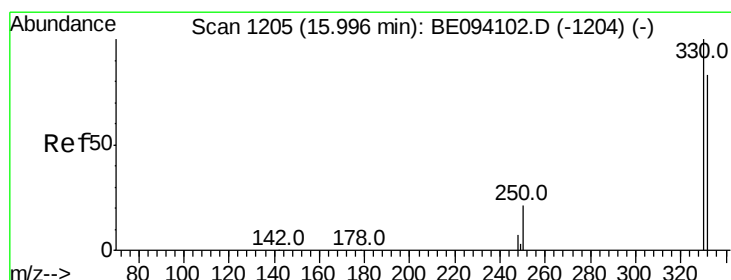
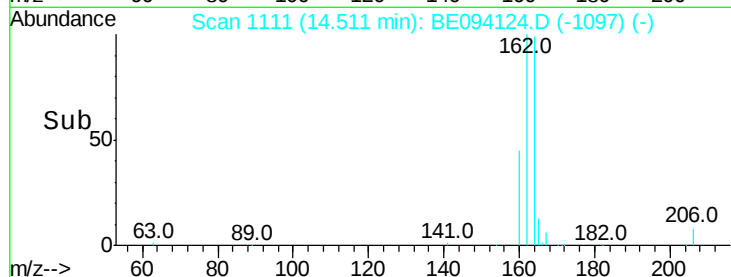
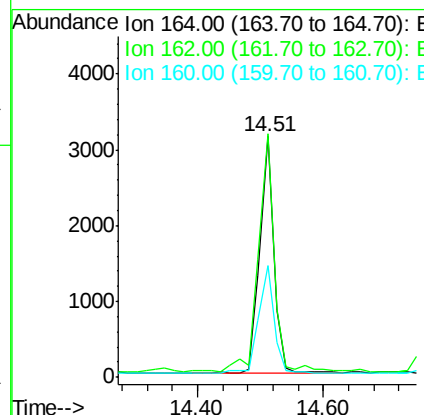
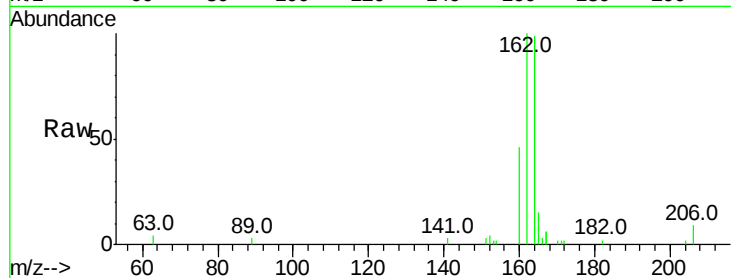
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.1	83.1	124.7	
160	46.5	37.1	55.7	

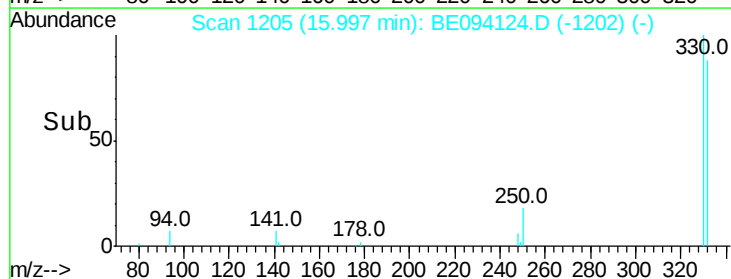
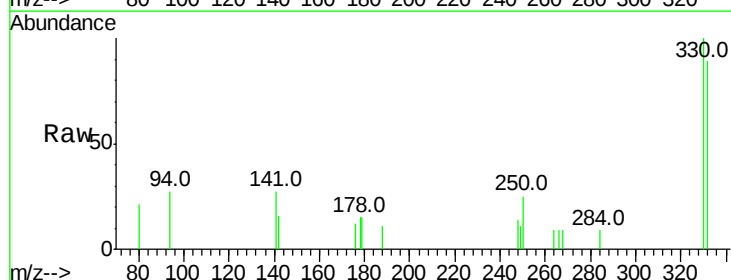
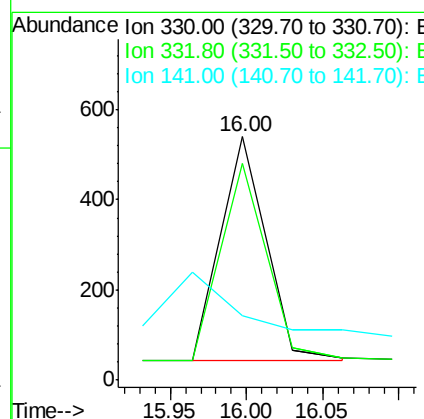
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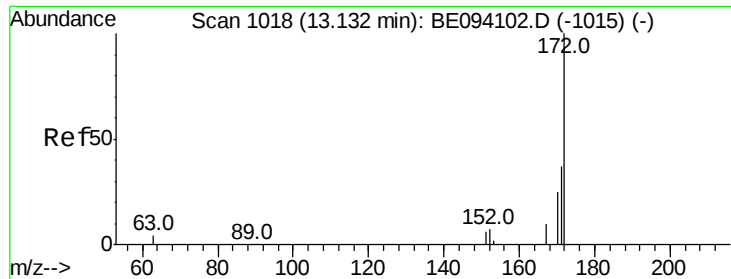
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#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	89.8	152.7	229.1#	
141	0.0	33.7	50.5#	





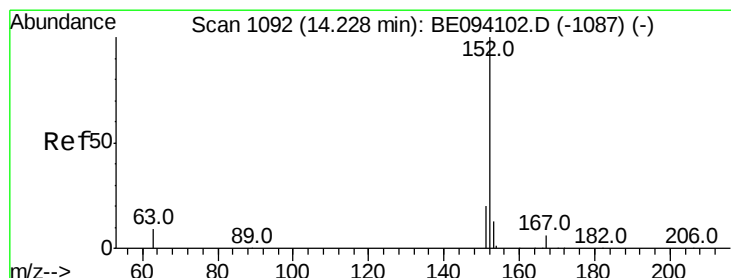
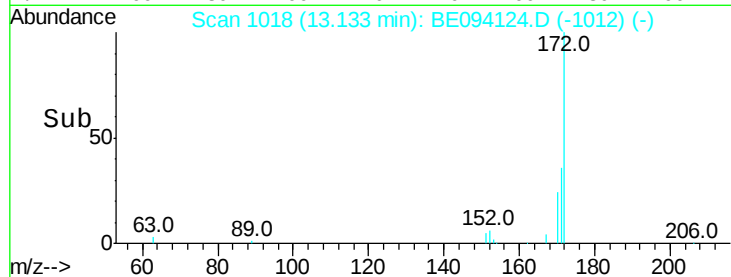
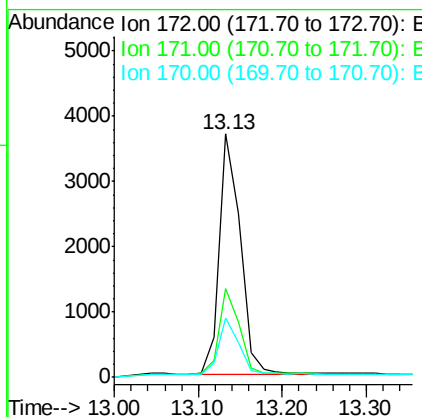
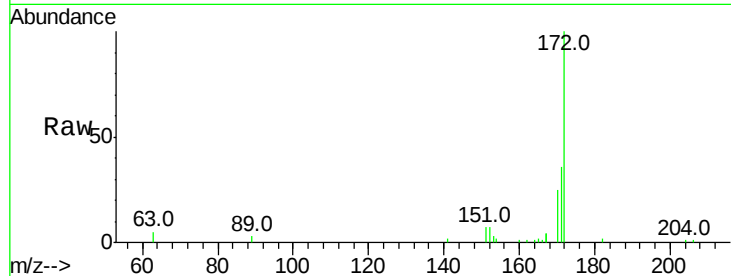
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampled :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.9	44.9
170	24.5	21.8	32.8

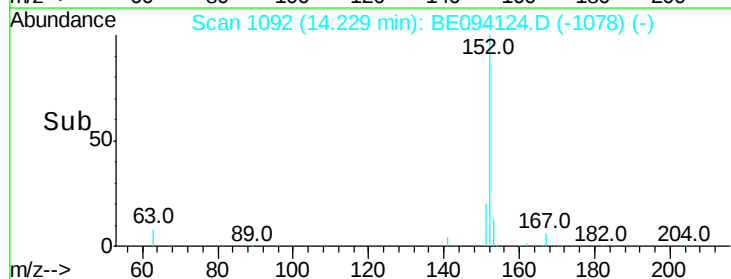
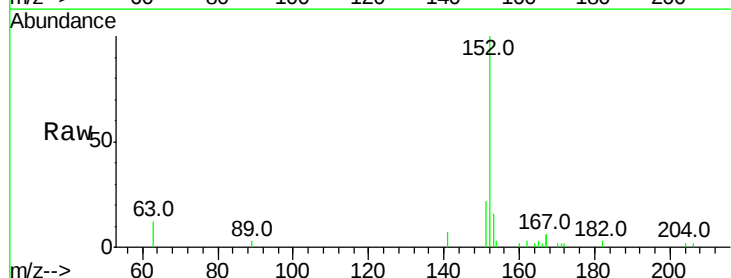
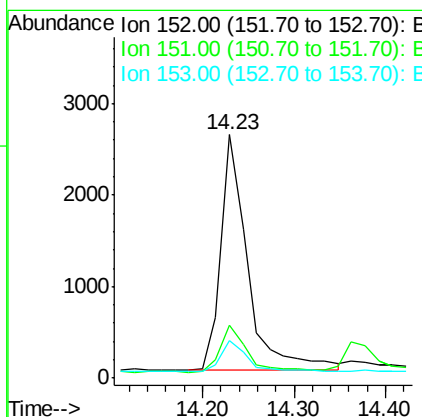
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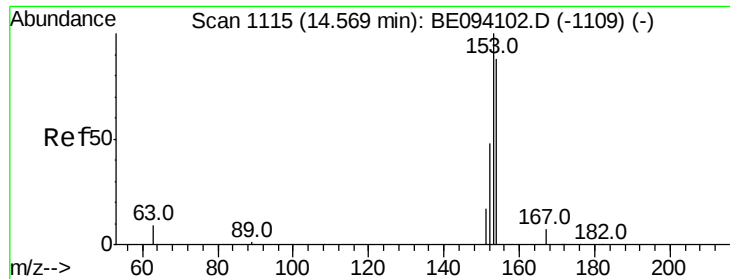
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#16
Acenaphthylene
Concen: 0.218 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.7	10.5	15.7





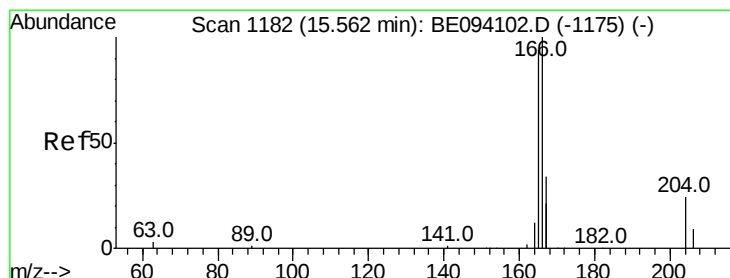
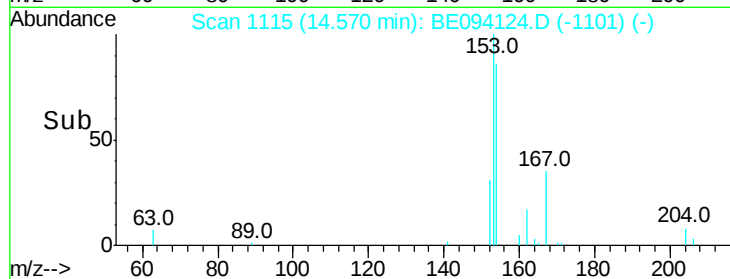
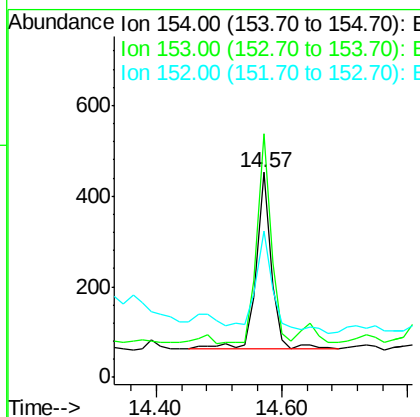
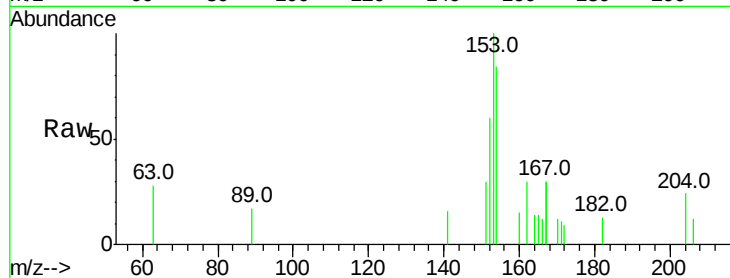
#17
Acenaphthene
Concen: 0.043 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.2	89.2	133.8
152	69.8	42.0	63.0

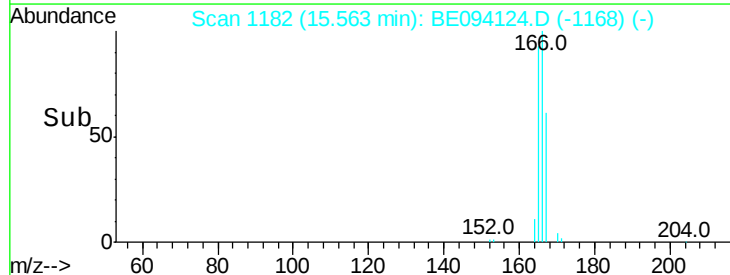
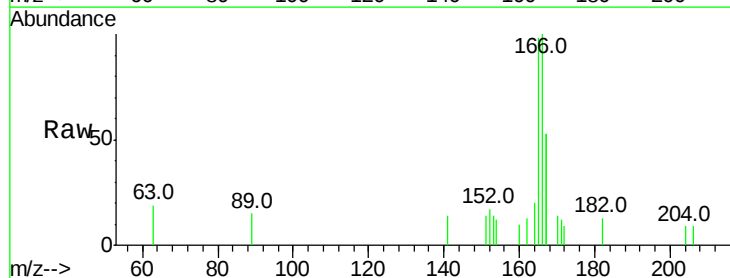
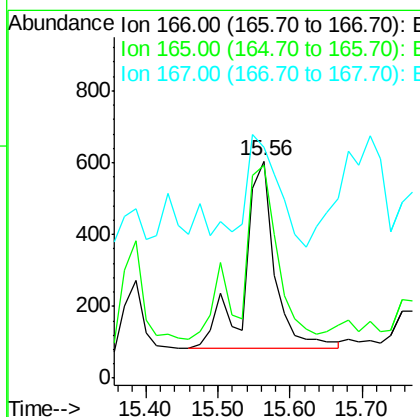
Manual Integrations
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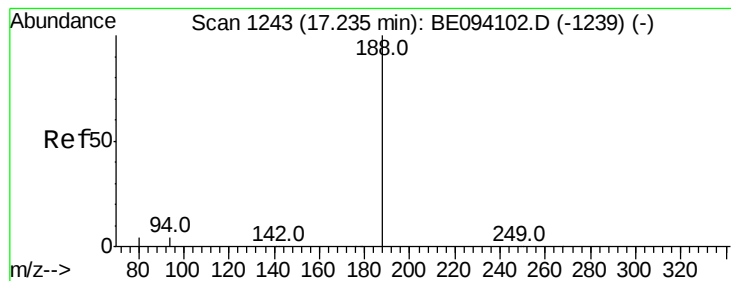
Sohil
9/27/2017 12:45:34 PM



#18
Fluorene
Concen: 0.076 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.5	77.8	116.6
167	59.6	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: BE094124.D

Acq: 26 Sep 2017 9:46

Instrument :

BNA_E

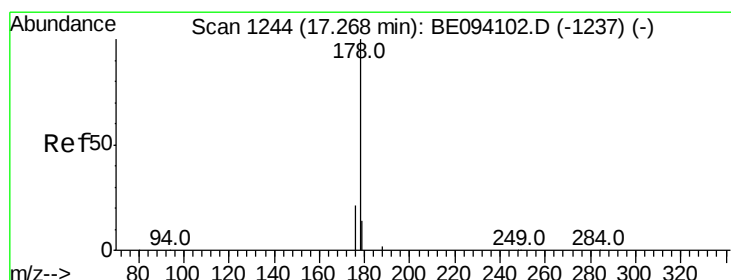
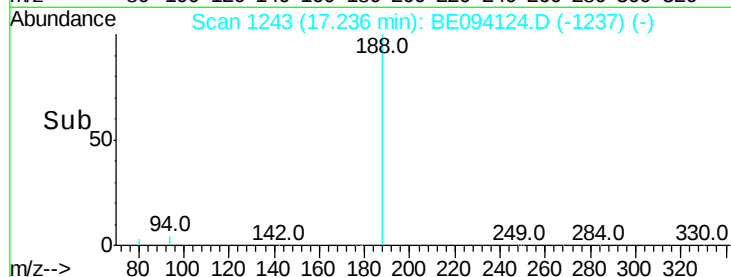
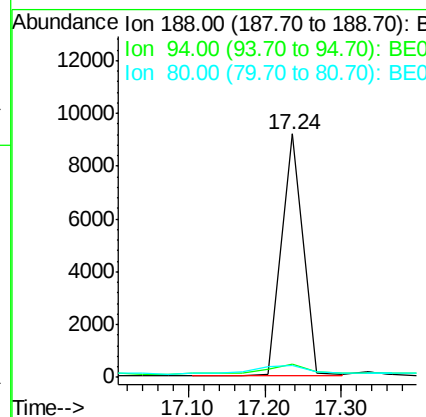
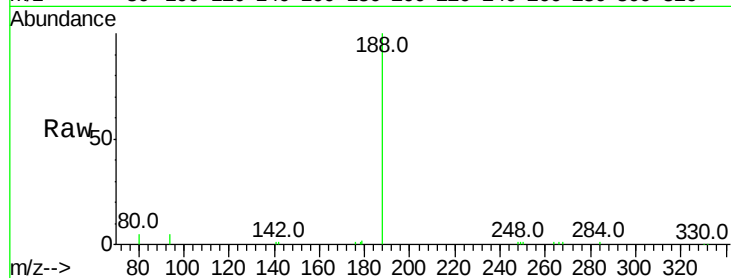
ClientSampled :

LT-TS-006

Tot Ion:	188	Resp:	18340
Ion Ratio	Lower	Upper	
188	100		
94	5.3	3.9	5.9
80	4.9	3.6	5.4

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#23

Phenanthrene

Concen: 0.973 ng

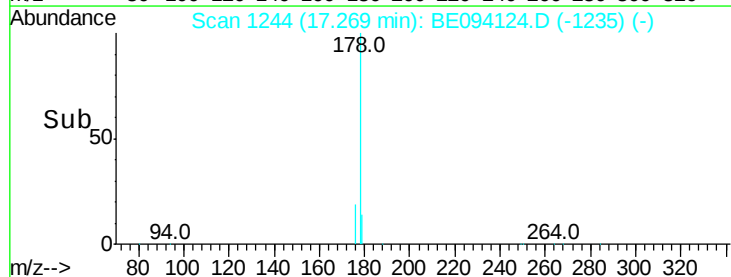
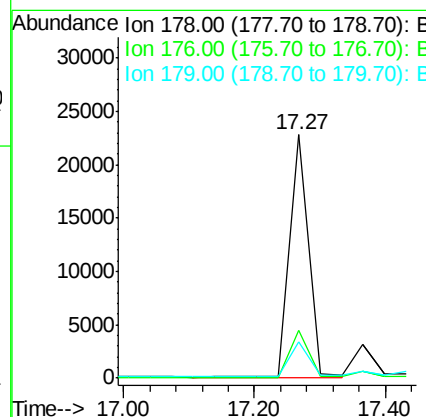
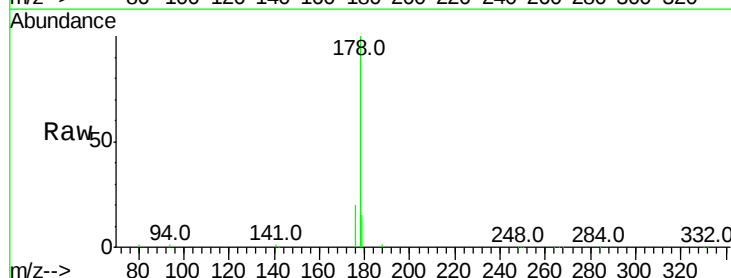
RT: 17.27 min Scan# 1244

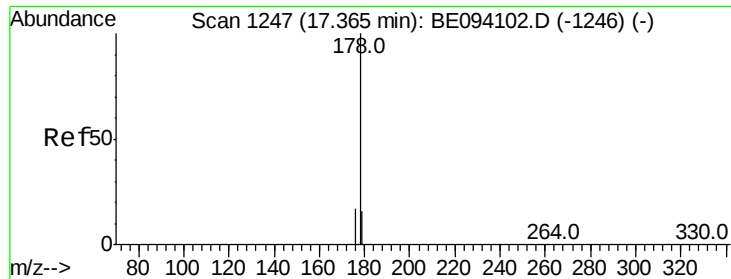
Delta R.T. 0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Tgt Ion:	178	Resp:	45646
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.1	22.7
179	15.7	11.8	17.6





#24

Anthracene

Concen: 0.142 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Instrument :

BNA_E

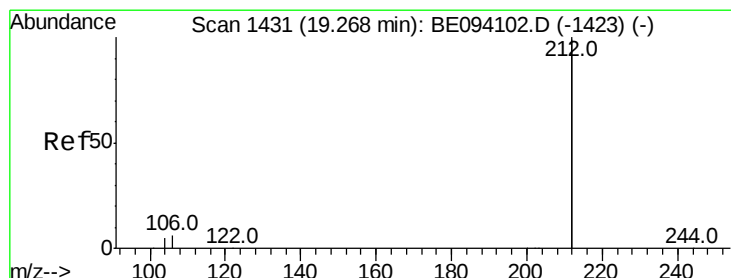
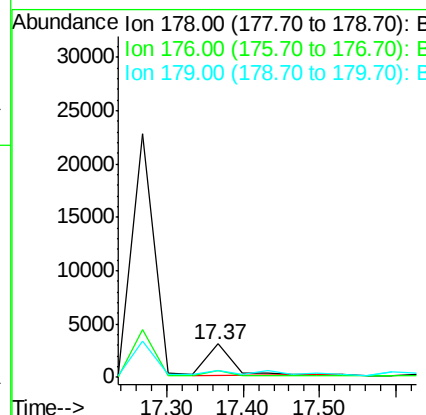
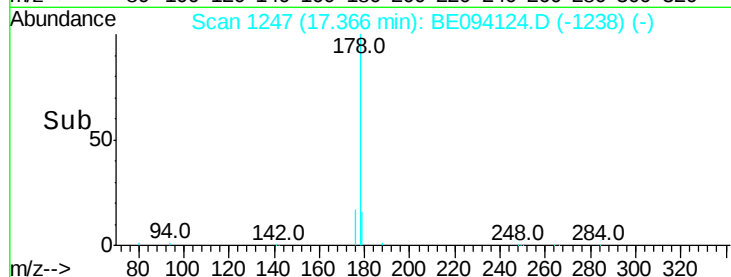
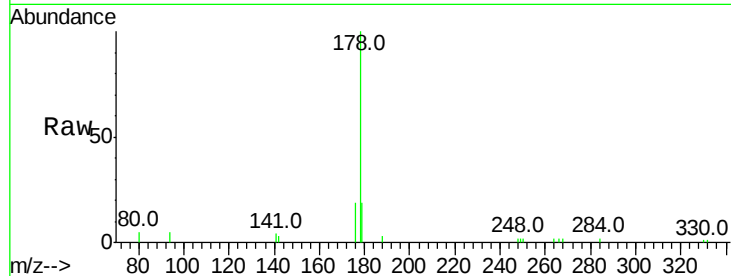
ClientSampleId :

LT-TS-006

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	12.8	19.2
179	11.0	13.0	19.6#

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#25

Fluoranthene-d10

Concen: 0.401 ng

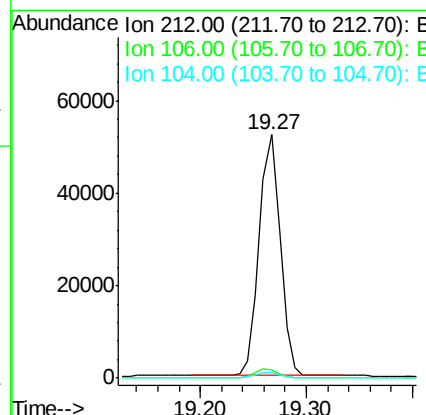
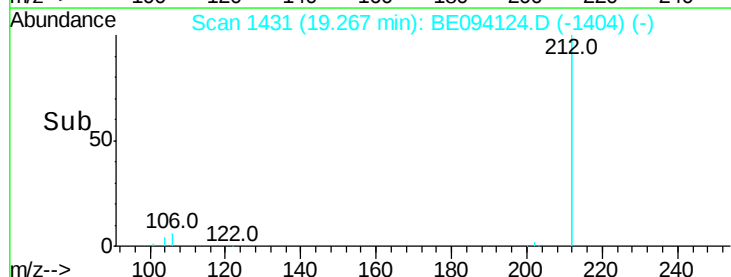
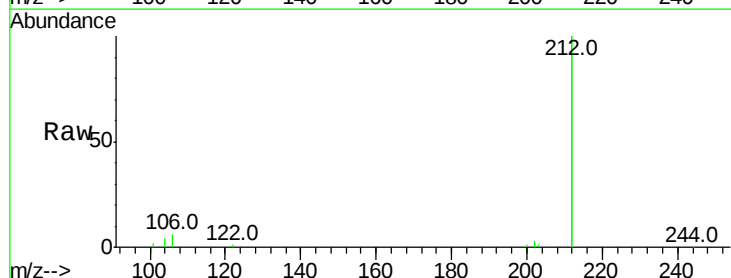
RT: 19.27 min Scan# 1431

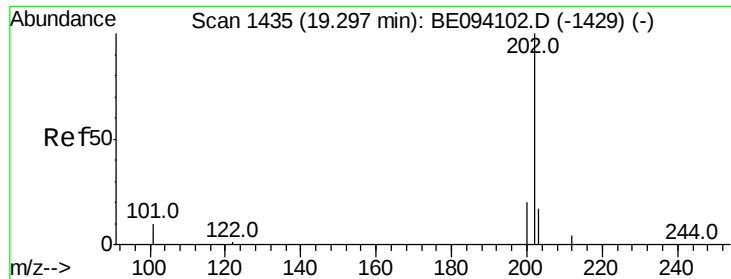
Delta R.T. -0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.8	2.8	4.2
104	2.5	1.6	2.4#





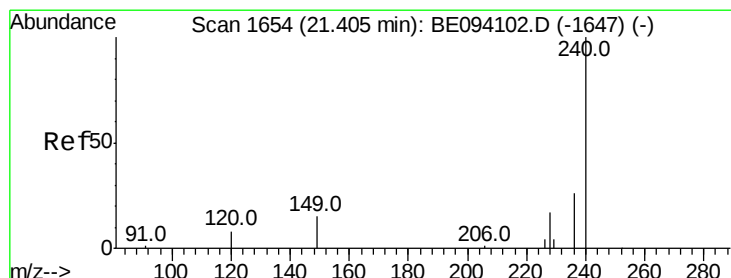
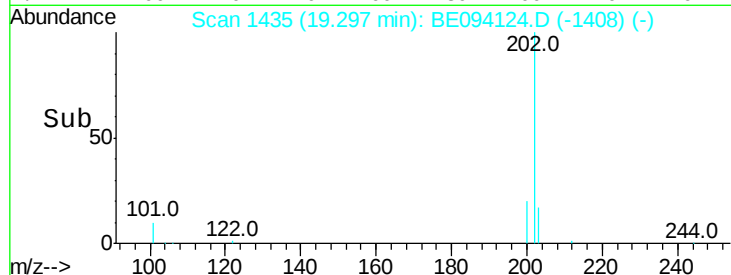
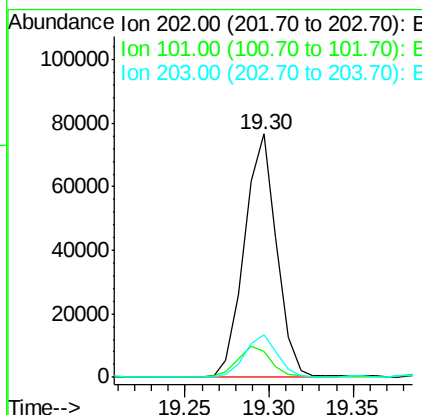
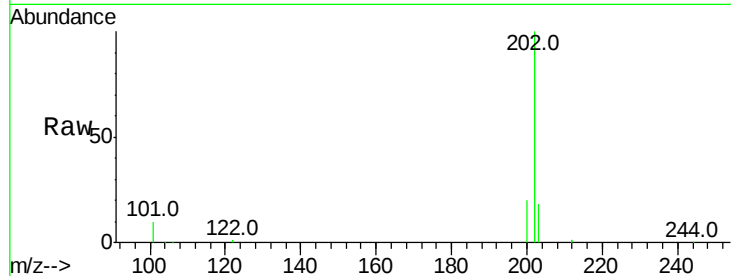
#26
 Fluoranthene
 Concen: 1.933 ng
 RT: 19.30 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: BE094124.D
 Acq: 26 Sep 2017 9:46

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-006

Tot Ion	Ratio	Resp	Lower	Upper
202	100	101640		
101	12.7	9.8	14.8	
203	17.3	13.7	20.5	

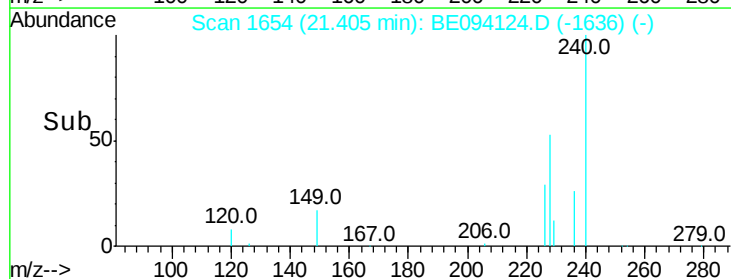
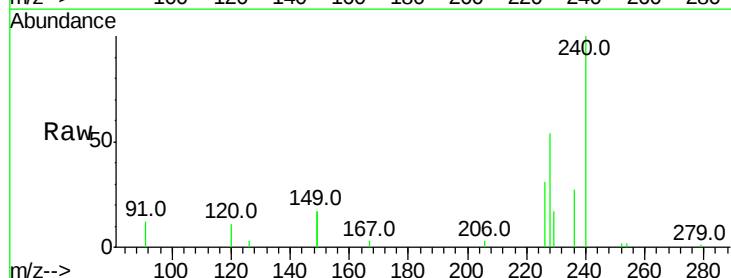
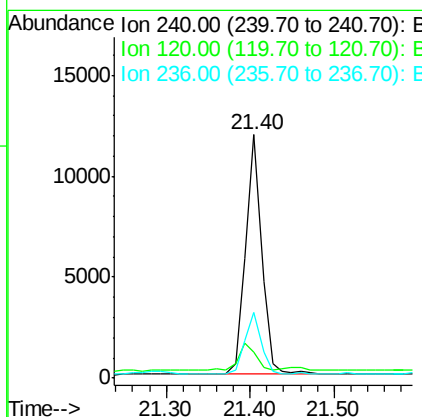
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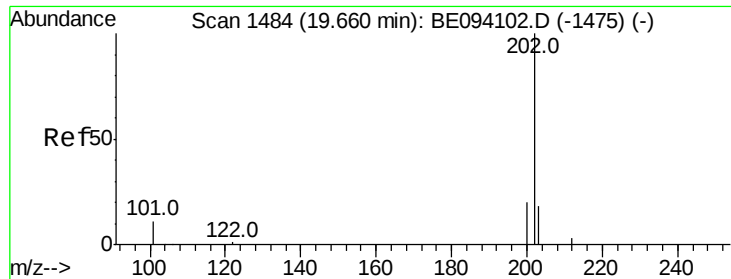
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094124.D
 Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	15729		
120	10.7	5.5	8.3#	
236	27.2	20.7	31.1	





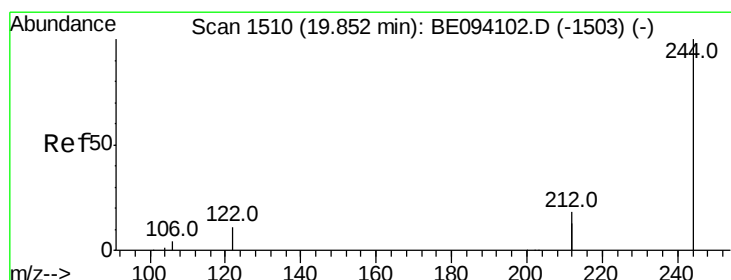
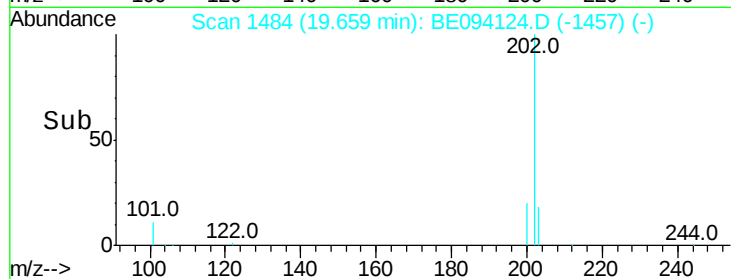
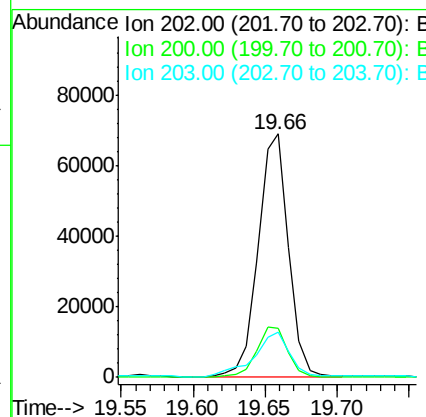
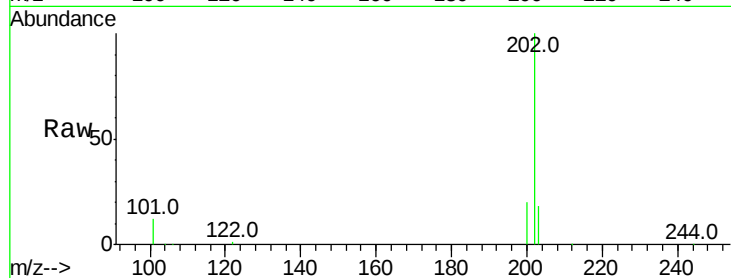
#28
Pvrene
Concen: 2.020 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

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

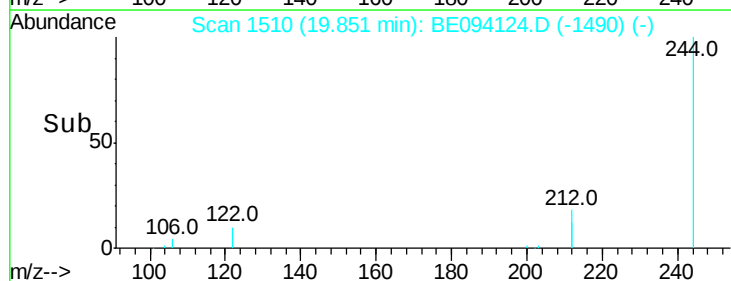
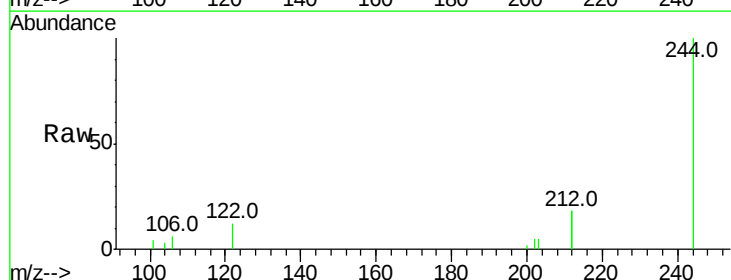
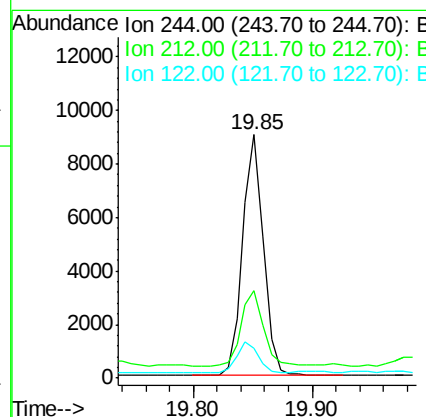
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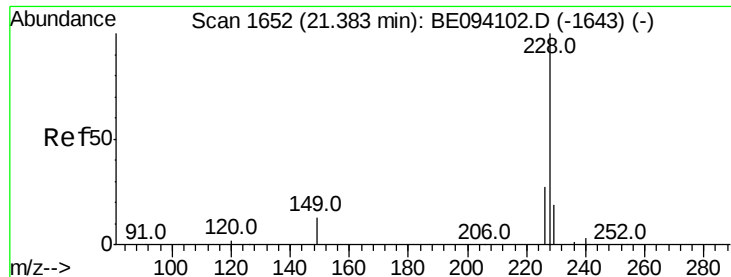
Sohil
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#29
Terphenyl-d14
Concen: 0.385 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	36.1	25.4	38.0
122	12.3	8.1	12.1





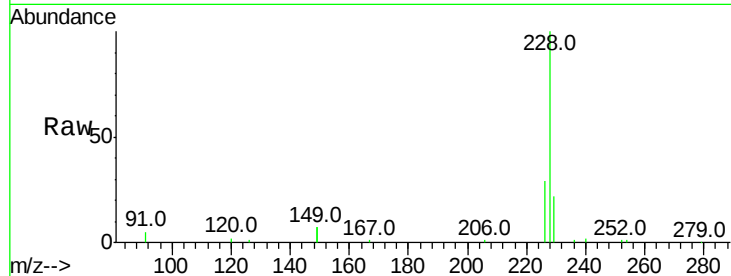
#30
Benzo(a)anthracene
Concen: 0.894 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampled :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.4	32.0
229	21.5	16.4	24.6

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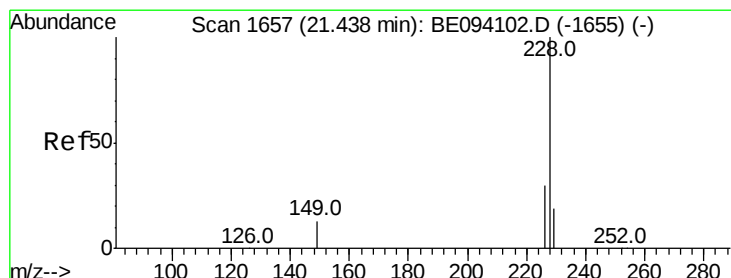
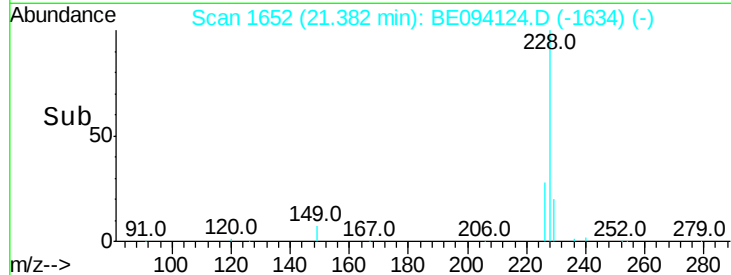
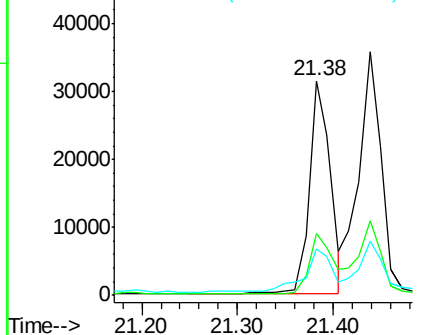


Abundance

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: 1.127 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

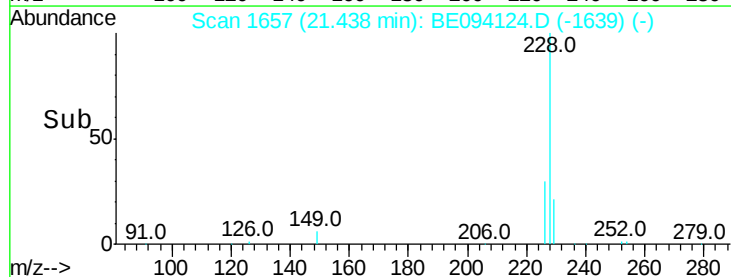
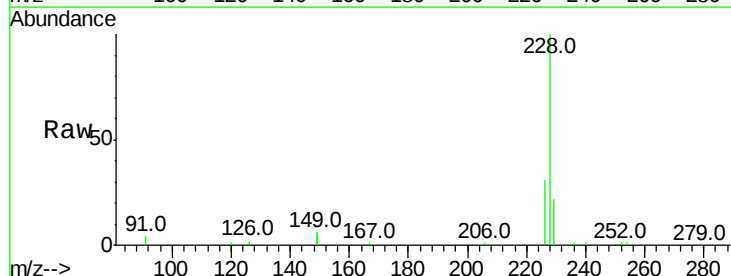
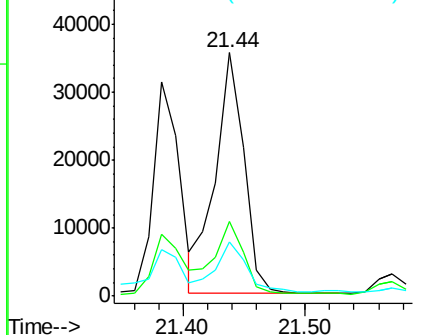
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.6	35.4
229	22.1	16.4	24.6

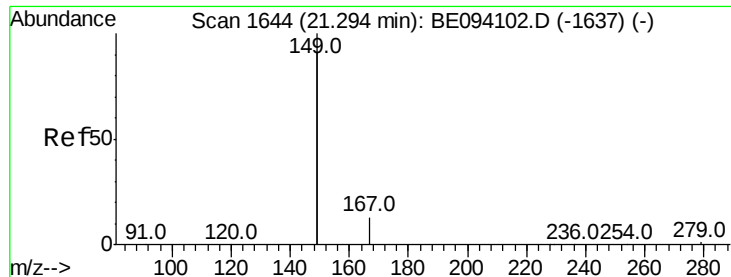
Abundance

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: 0.059 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Instrument :

BNA_E

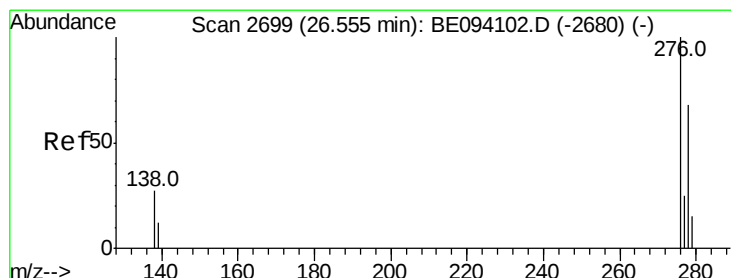
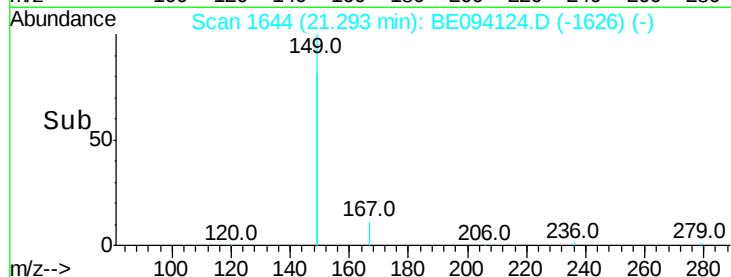
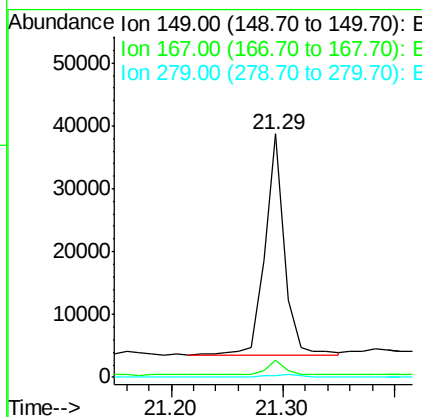
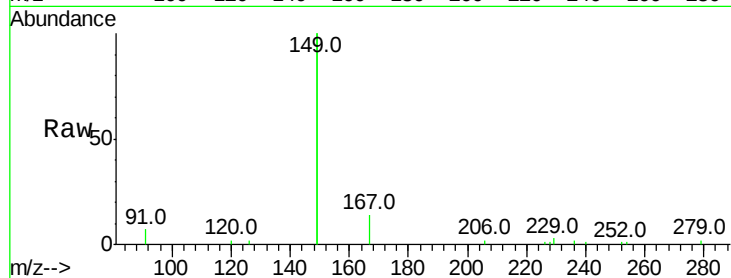
ClientSampled :

LT-TS-006

Tot Ion:	149	Resp:	42086
Ion Ratio	Lower	Upper	
149	100		
167	6.4	5.4	8.0
279	1.0	0.7	1.1

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.615 ng

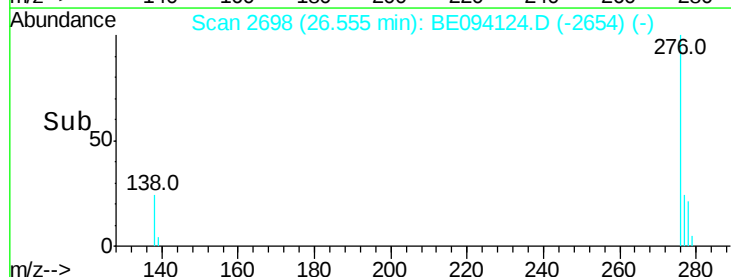
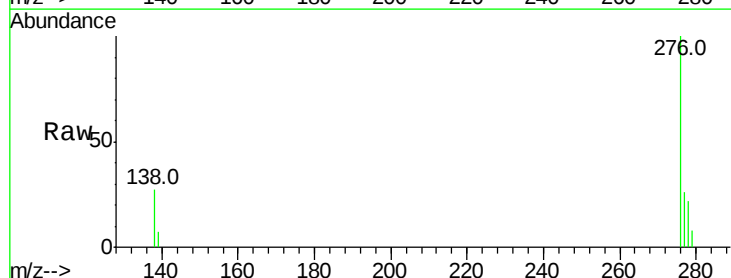
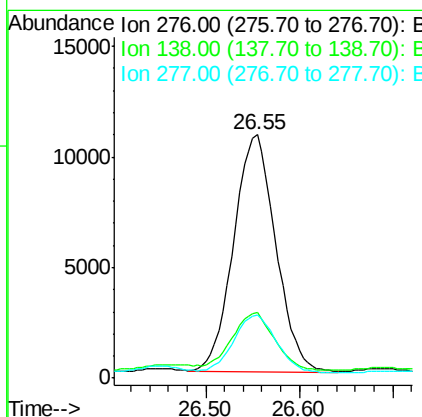
RT: 26.55 min Scan# 2698

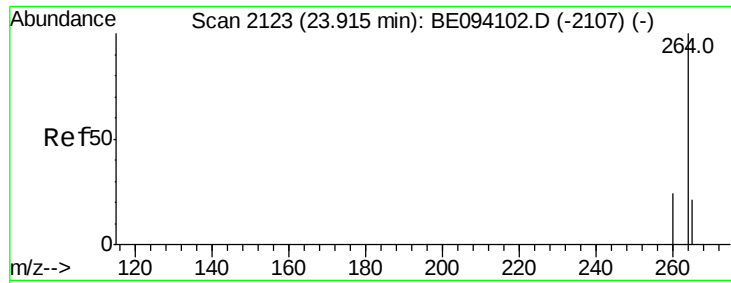
Delta R.T. 0.00 min

Lab File: BE094124.D

Acq: 26 Sep 2017 9:46

Tgt Ion:	276	Resp:	33631
Ion Ratio	Lower	Upper	
276	100		
138	24.6	22.5	33.7
277	25.0	19.9	29.9





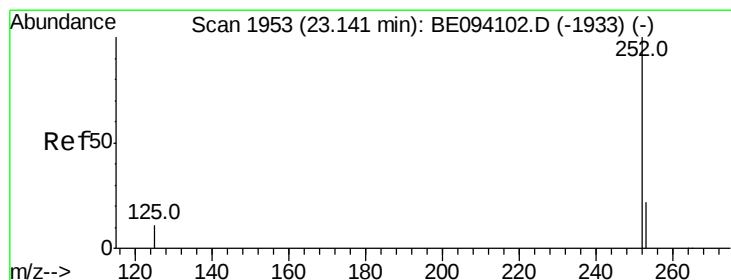
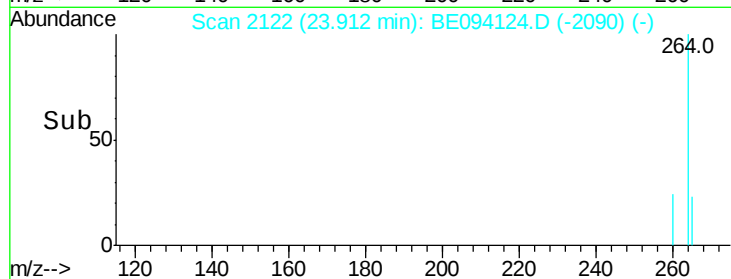
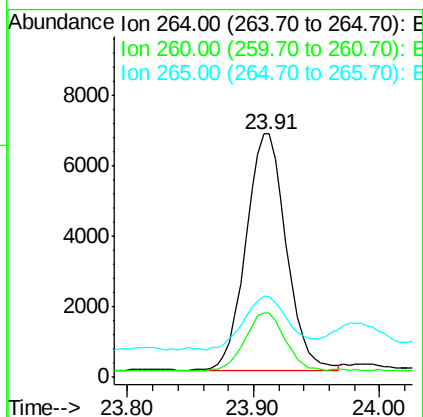
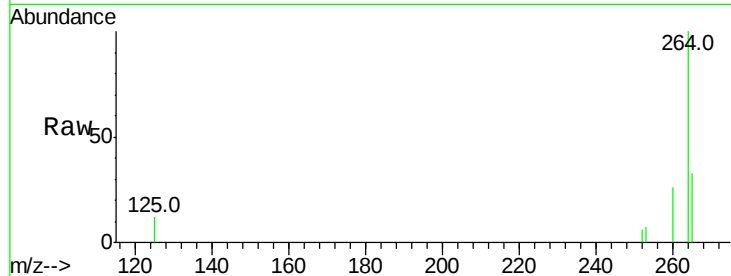
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	26.3	20.5	30.7	
265	33.2	22.8	34.2	

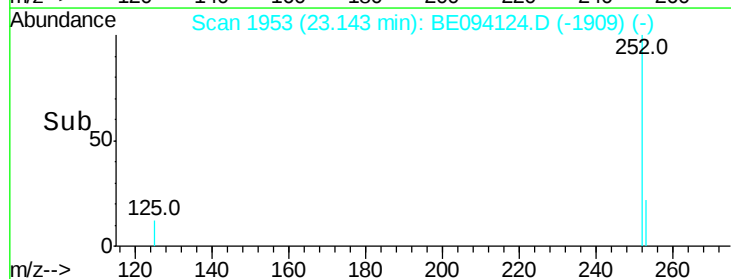
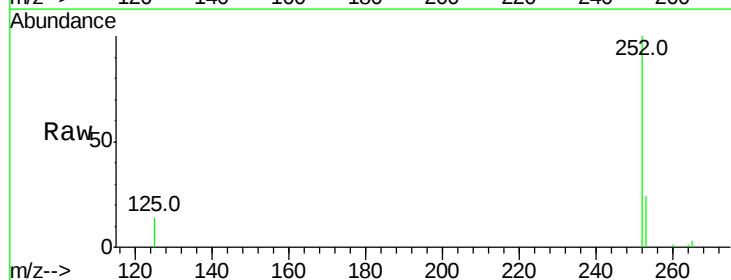
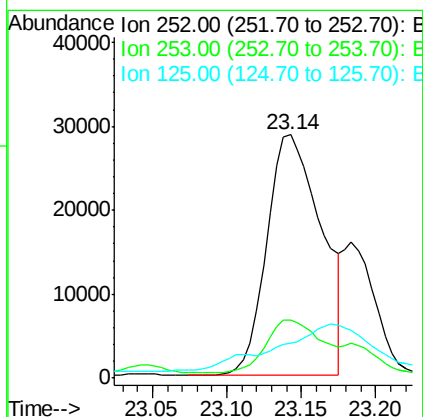
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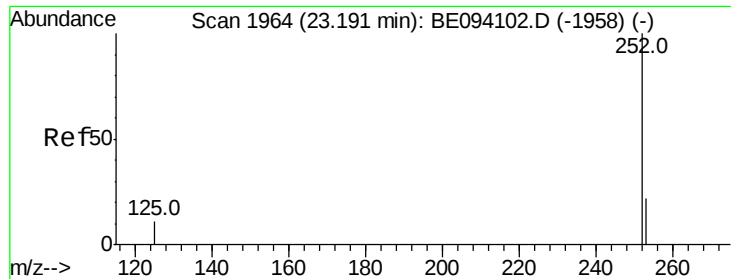
Sohil
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#35
Benzo(b)fluoranthene
Concen: 1.362 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.9	18.2	27.2	
125	14.5	10.1	15.1	





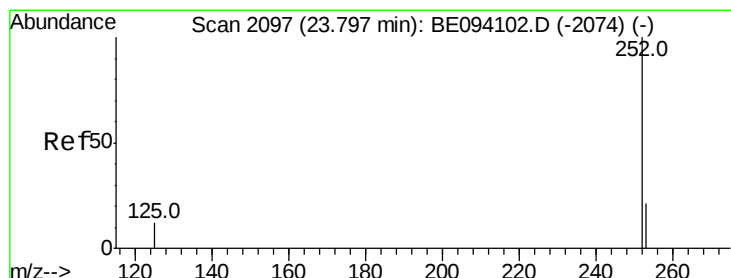
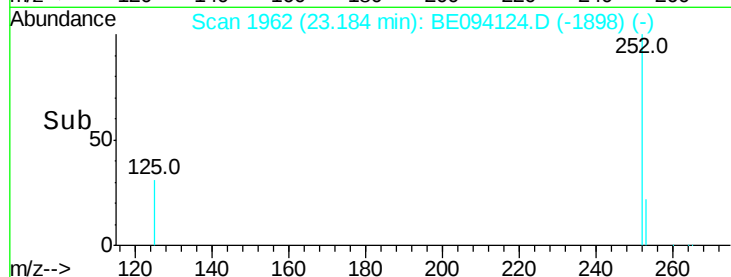
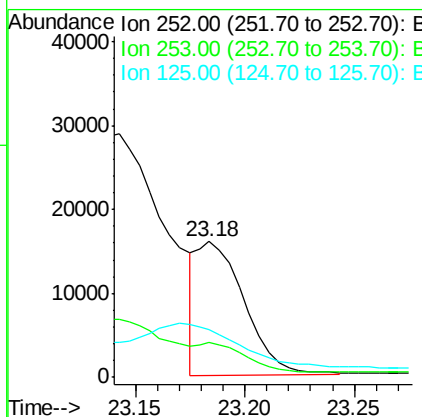
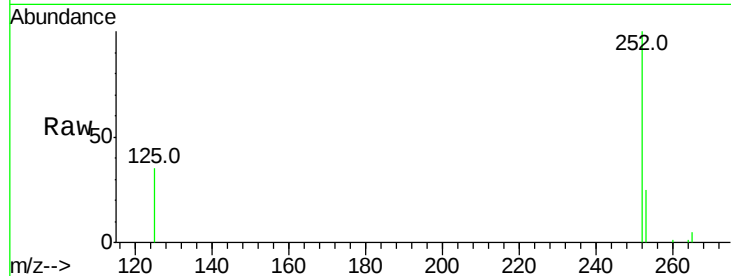
#36
Benzo(k)fluoranthene
Concen: 0.472 ng m
RT: 23.18 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.6	27.8
125	35.4	10.7	16.1

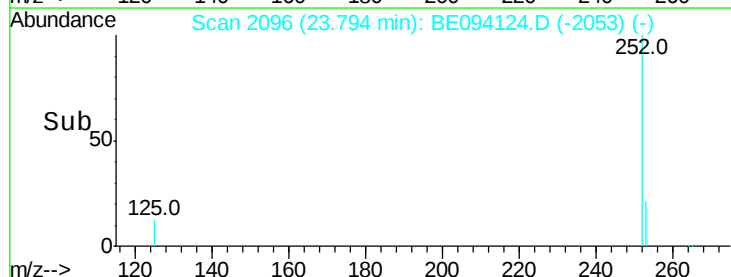
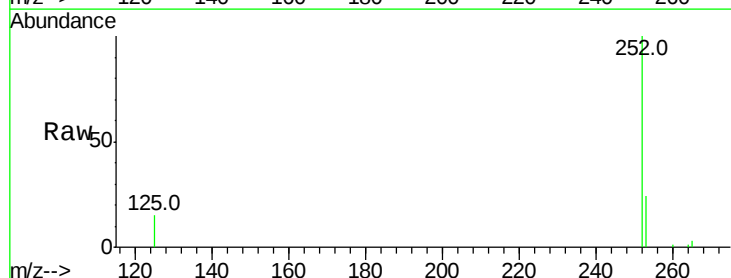
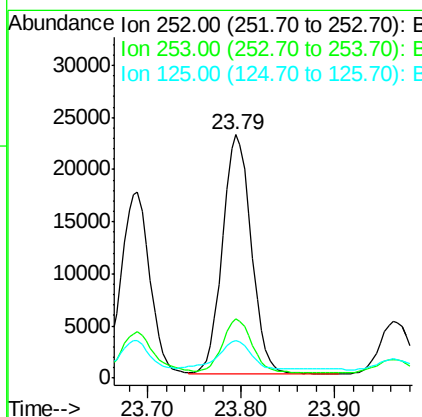
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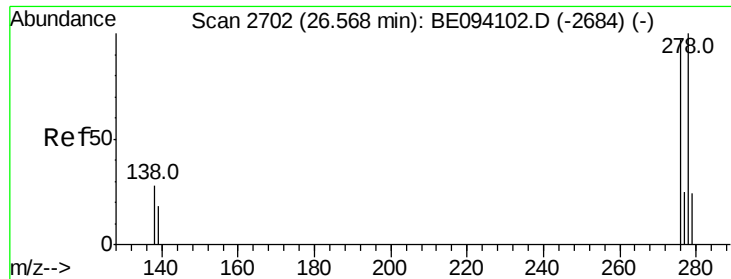
Sohil
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#37
Benzo(a)pyrene
Concen: 1.006 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.6
125	15.2	11.8	17.8





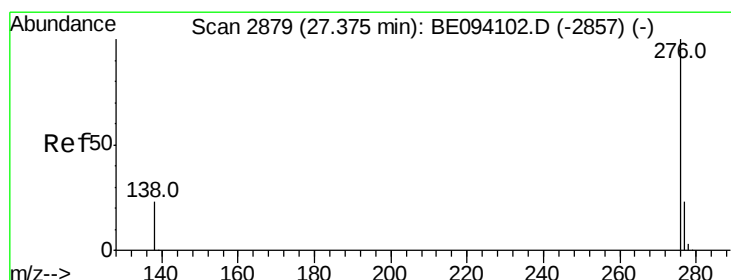
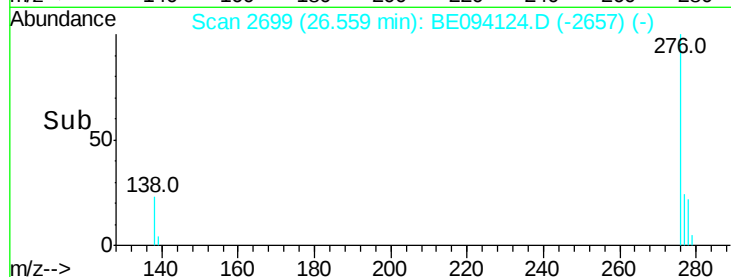
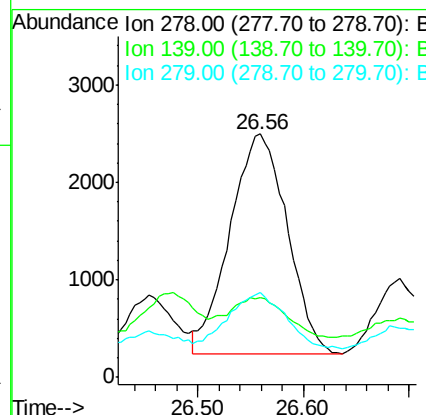
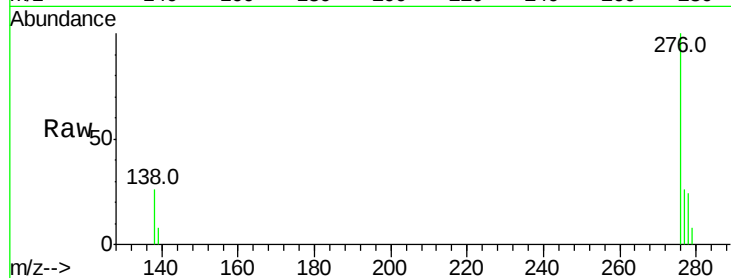
#38
Dibenzo(a,h)anthracene
Concen: 0.185 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.9	16.3	24.5#
279	34.7	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/27/2017 12:45:34 PM



#39
Benzo(g,h,i)perylene
Concen: 0.759 ng
RT: 27.38 min Scan# 2879
Delta R.T. 0.00 min
Lab File: BE094124.D
Acq: 26 Sep 2017 9:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.8	31.2
138	26.4	21.5	32.3

