

Data Path : U:\HPCHEM1\BNA E\DATA\BE012518\
 Data File : BE095112.D
 Acq On : 25 Jan 2018 12:28
 Operator : SJ/JU
 Sample : J1236-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-2

Manual Integrations
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Sohil
 1/26/2018 11:21:55 AM

Quant Time: Jan 25 20:16:11 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE012318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 15:47:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.47	152	7962	0.40	nq	0.01
7) Naphthalene-d8	11.31	136	13198m	0.40	nq	0.00
13) Acenaphthene-d10	15.03	164	14489	0.40	nq	0.00
19) Phenanthrene-d10	17.74	188	15795	0.40	nq	0.00
27) Chrysene-d12	21.84	240	16947	0.40	nq	0.00
34) Perylene-d12	24.48	264	15993	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.97	112	3555	0.28	nq	0.02
5) Phenol-d6	7.58	99	12168m	0.62	nq	0.00
8) Nitrobenzene-d5	9.65	82	27702	2.31	nq	0.02
11) 2-Methylnaphthalene-d10	12.83	152	8270	0.38	nq	0.00
14) 2,4,6-Tribromophenol	16.50	330	7145	1.55	nq	0.00
15) 2-Fluorobiphenyl	13.68	172	128036	2.01	nq	0.00
25) Fluoranthene-d10	19.71	212	86683	0.44	nq	0.00
29) Terphenyl-d14	20.28	244	750541	21.64	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	11.36	128	15352444	101.655	nq	99
12) 2-Methylnaphthalene	12.91	142	207024	7.996	nq	97
16) Acenaphthylene	14.77	152	4661	0.060	nq	# 69
17) Acenaphthene	15.09	154	19017	0.377	nq	96
18) Fluorene	16.05	166	36831	0.584	nq	# 81
22) Pentachlorophenol	17.39	266	195m	0.136	nq	
23) Phenanthrene	17.77	178	201219	4.122	nq	98
24) Anthracene	17.86	178	42315	0.972	nq	96
26) Fluoranthene	19.74	202	242623	4.140	nq	97
28) Pvrene	20.10	202	208041	2.904	nq	# 85
30) Benzo(a)anthracene	21.81	228	101983	1.924	nq	98
31) Chrysene	21.87	228	87867	1.639	nq	97
32) Bis(2-ethylhexyl)phthalate	21.70	149	1476855	20.030	nq	100
33) Indeno(1,2,3-cd)pyrene	27.30	276	51458	1.056	nq	# 91
35) Benzo(b)fluoranthene	23.66	252	104277	1.838	nq	# 91
36) Benzo(k)fluoranthene	23.71	252	40950m	0.705	nq	
37) Benzo(a)pvrene	24.36	252	64314	1.237	nq	95
38) Dibenzo(a,h)anthracene	27.32	278	13232	0.302	nq	96
39) Benzo(g,h,i)perylene	28.18	276	51492	1.085	nq	# 92

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

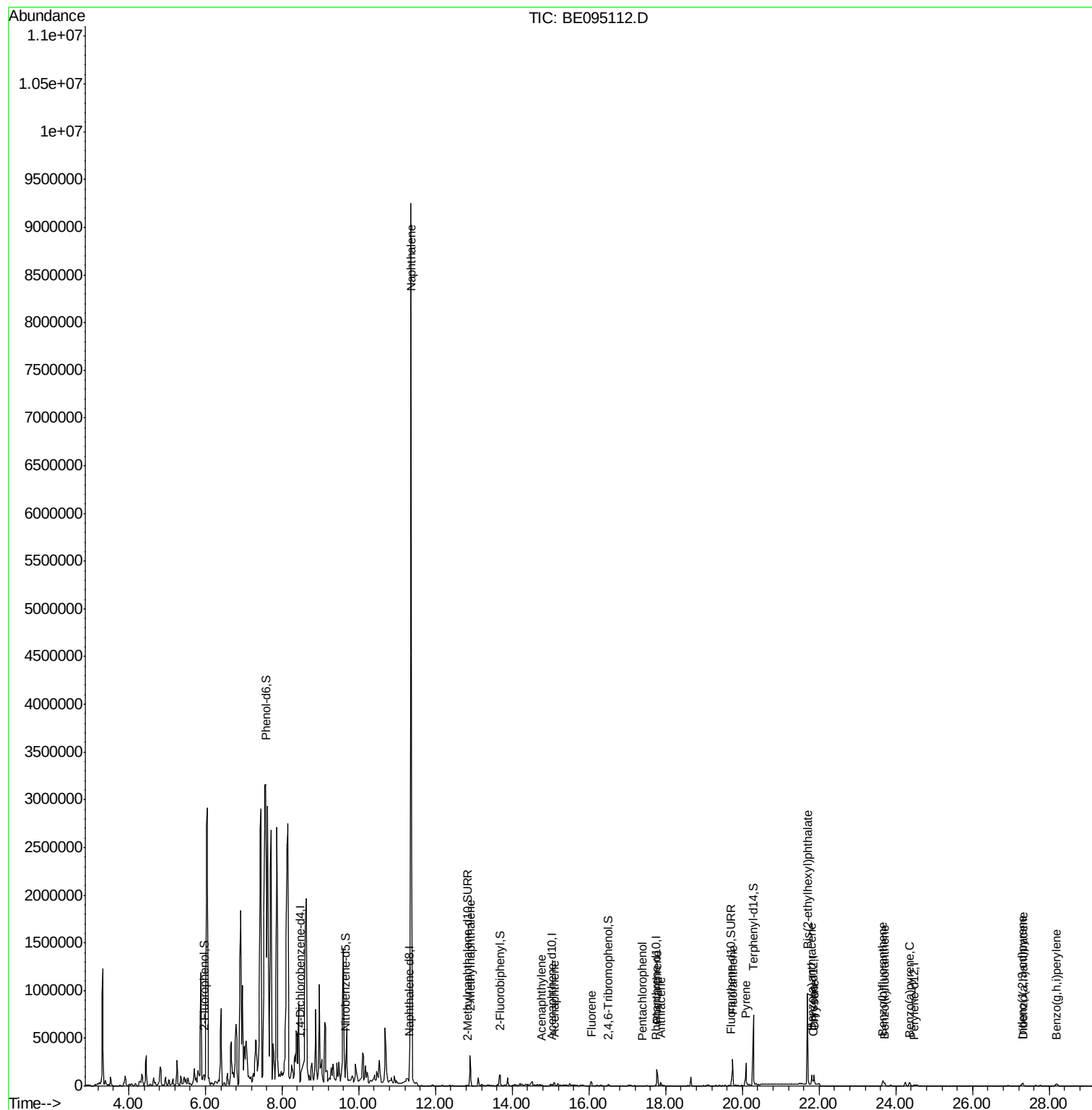
Data Path : U:\HPCHEM1\BNA E\DATA\BE012518\
Data File : BE095112.D
Acq On : 25 Jan 2018 12:28
Operator : SJ/JU
Sample : J1236-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

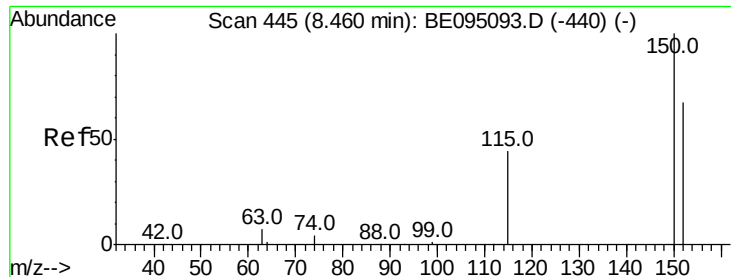
Instrument :
BNA_E
ClientSampleId :
TW-2

Quant Time: Jan 25 20:16:11 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE012318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 15:47:25 2018
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#1

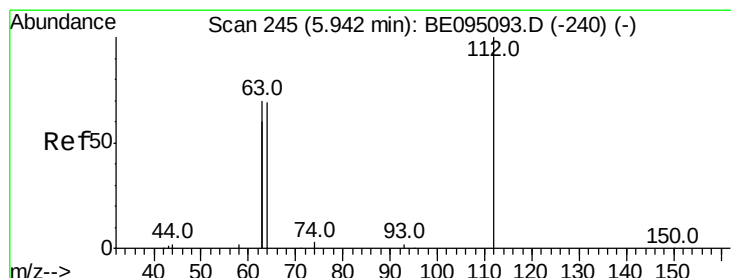
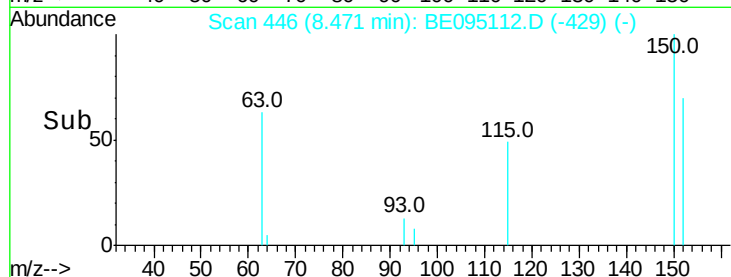
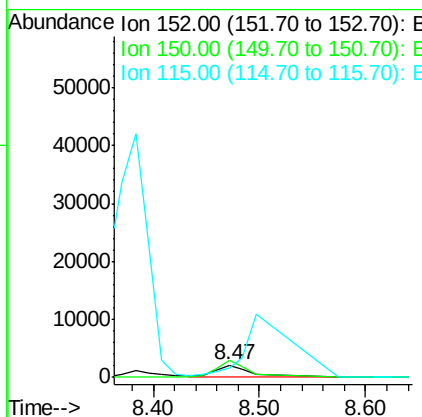
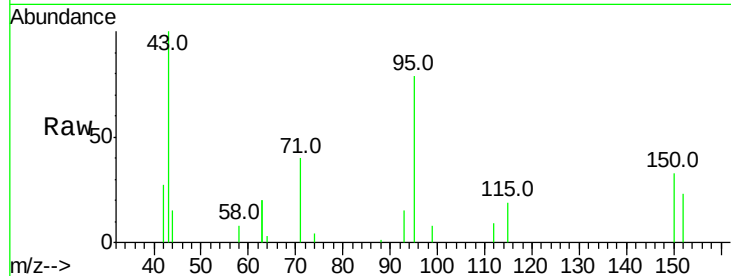
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.47 min Scan# 446
 Delta R.T. 0.01 min
 Lab File: BE095112.D
 Acq: 25 Jan 2018 12:28

Instrument :
 BNA_E
 ClientSampled :
 TW-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.2	117.2	175.8
115	80.4	57.0	85.6

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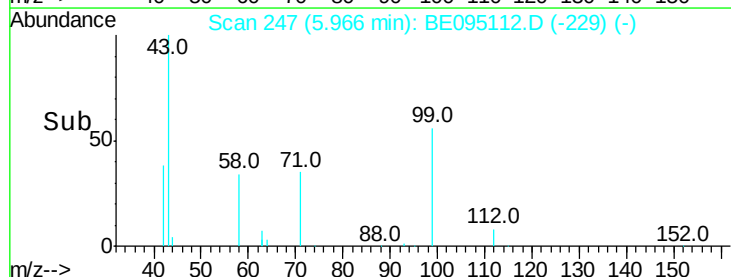
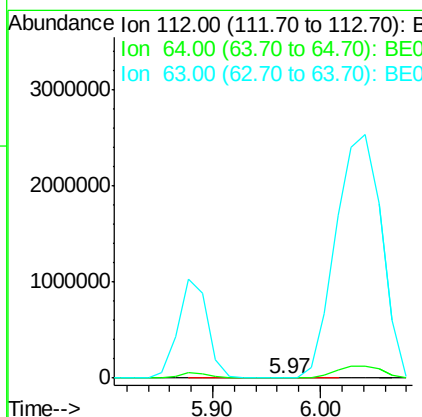
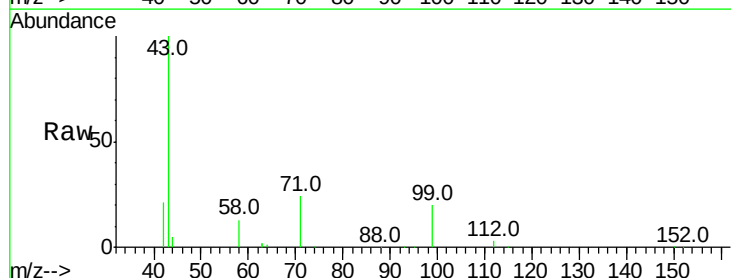
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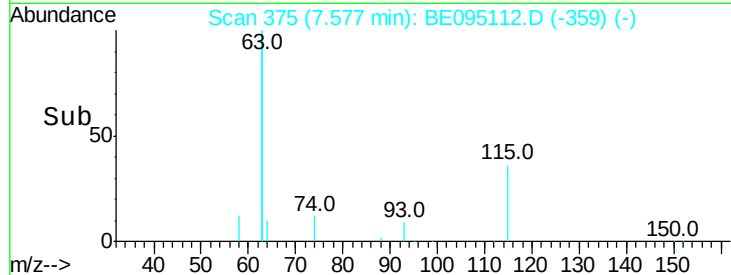
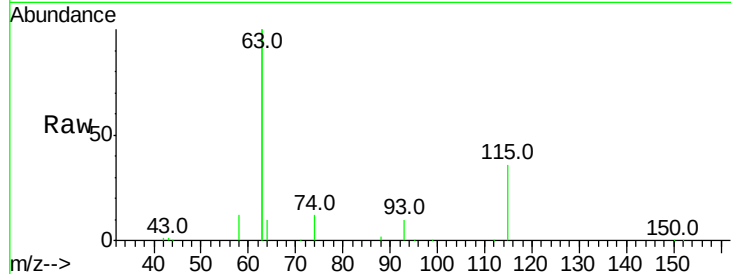
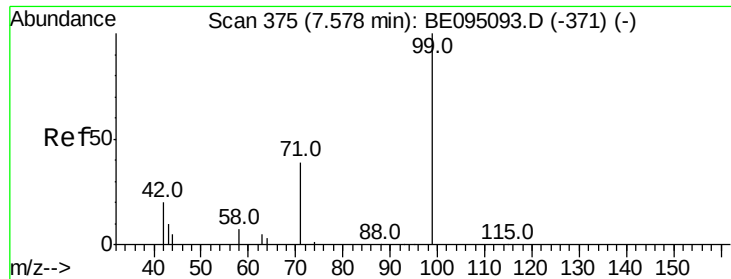


#4

2-Fluorophenol
 Concen: 0.276 ng
 RT: 5.97 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: BE095112.D
 Acq: 25 Jan 2018 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	60.1	90.1#
63	0.0	116.8	175.2#





#5

Phenol-d6

Concen: 0.623 ng m

RT: 7.58 min Scan# 375

Delta R.T. -0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

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

Instrument :

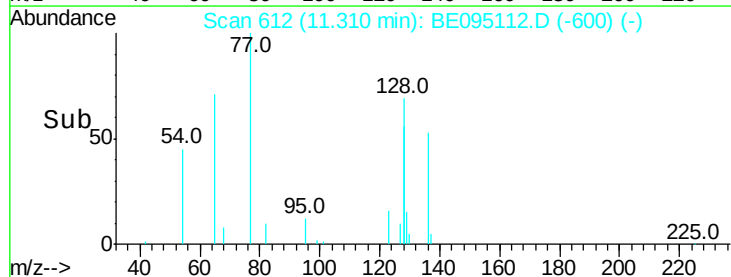
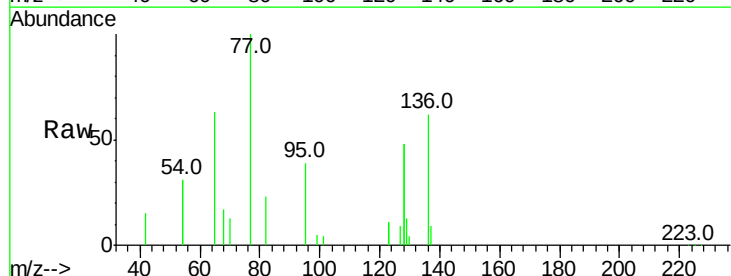
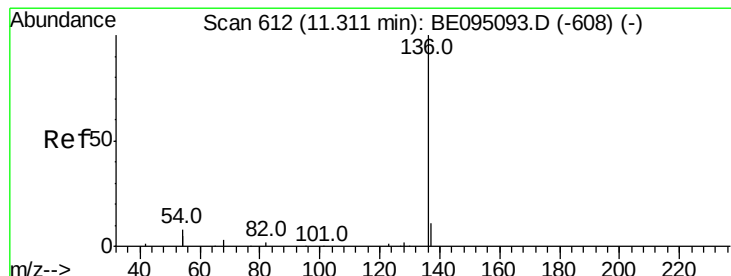
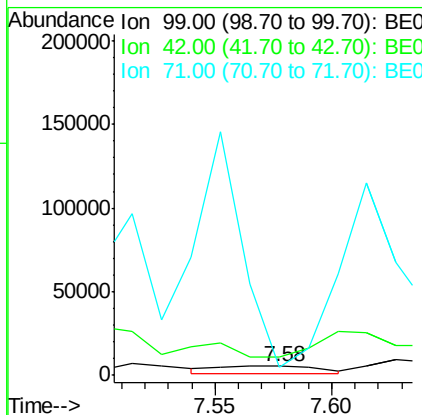
BNA_E

ClientSampled :

TW-2

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#7

Naphthalene-d8

Concen: 0.400 ng m

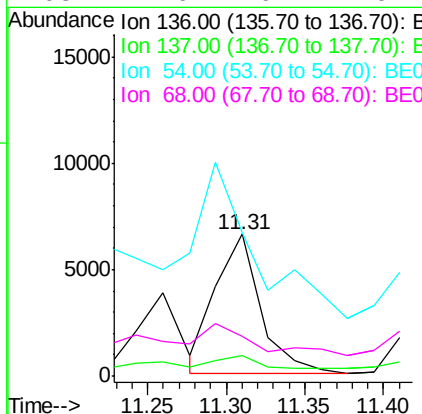
RT: 11.31 min Scan# 612

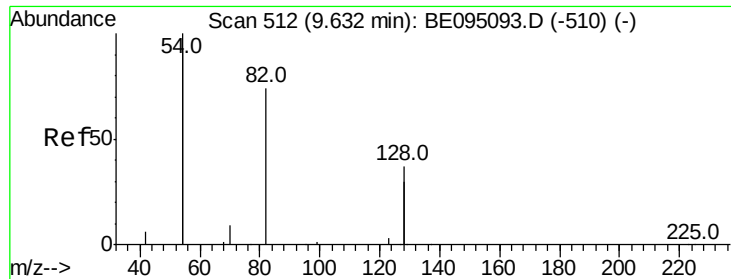
Delta R.T. -0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion	Ratio	Lower	Upper
136	100		
137	14.8	9.5	14.3#
54	50.6	29.1	43.7#
68	27.6	6.2	9.2#





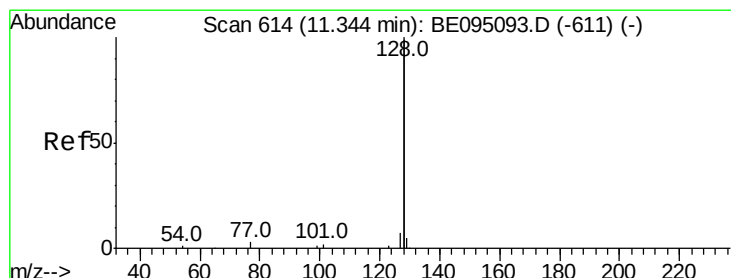
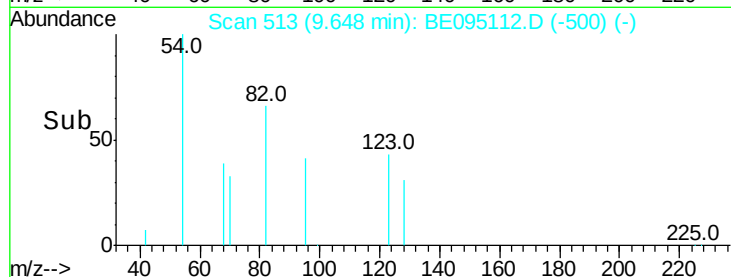
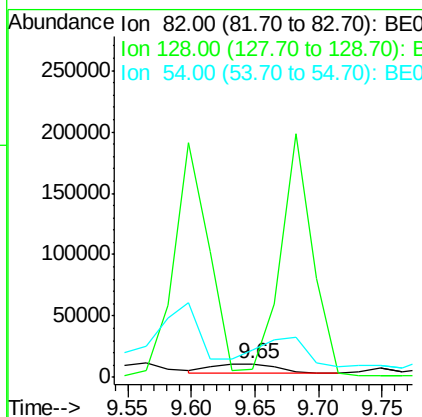
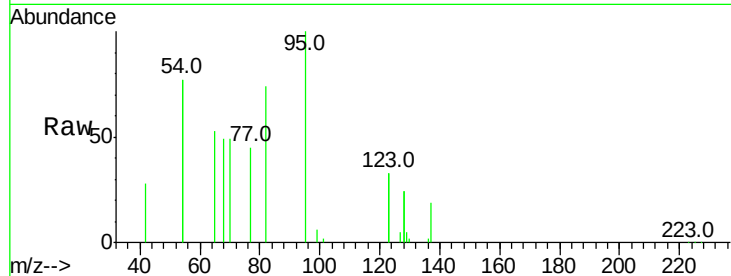
#8
 Nitrobenzene-d5
 Concen: 2.307 ng
 RT: 9.65 min Scan# 513
 Delta R.T. 0.02 min
 Lab File: BE095112.D
 Acq: 25 Jan 2018 12:28

Instrument :
 BNA_E
 ClientSampled :
 TW-2

Tot Ion: 82 Resp: 27702
 Ion Ratio Lower Upper
 82 100
 128 63.5 150.0 225.0#
 54 207.6 154.2 231.4

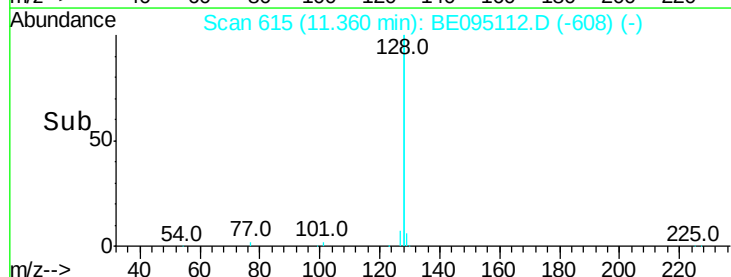
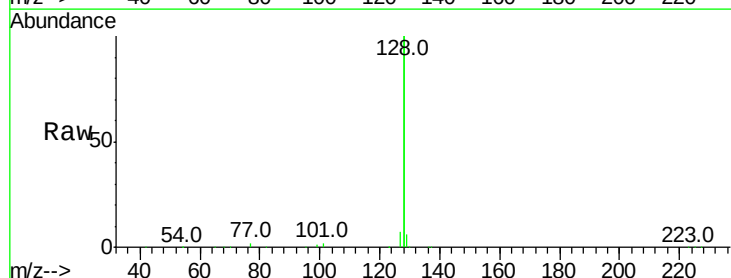
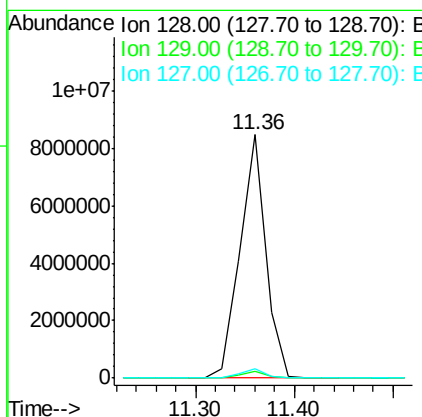
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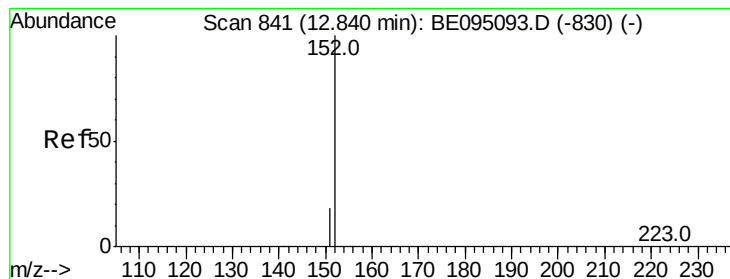
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#9
 Naphthalene
 Concen: 101.655 ng
 RT: 11.36 min Scan# 615
 Delta R.T. 0.02 min
 Lab File: BE095112.D
 Acq: 25 Jan 2018 12:28

Tgt Ion: 128 Resp: 15352444
 Ion Ratio Lower Upper
 128 100
 129 2.9 2.6 3.8
 127 3.6 2.8 4.2





#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

RT: 12.83 min Scan# 840

Delta R.T. -0.01 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

ClientSampleId :

TW-2

Tot Ion:152 Resp: 8270

Ion Ratio Lower Upper

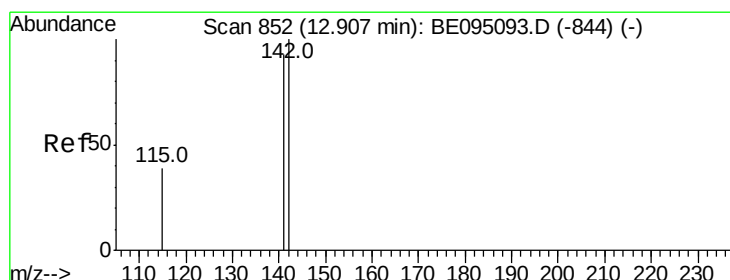
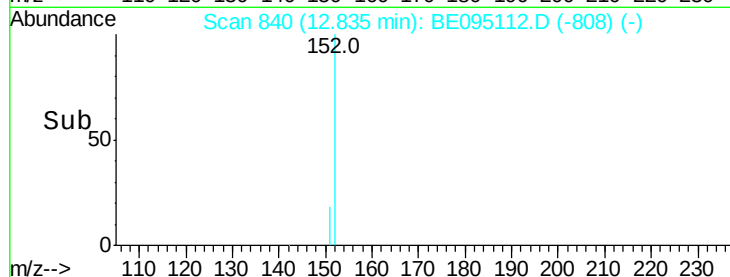
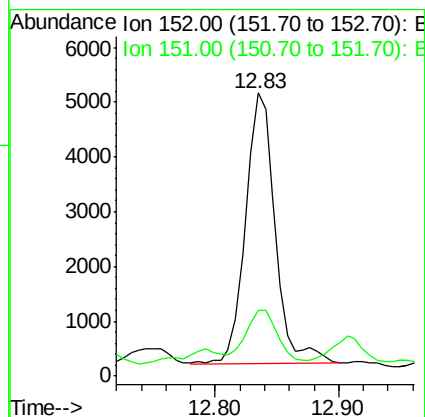
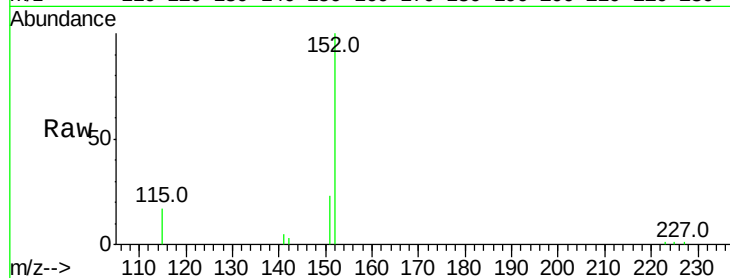
152 100

151 21.0 15.4 23.0

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#12

2-Methylnaphthalene

Concen: 7.996 ng

RT: 12.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

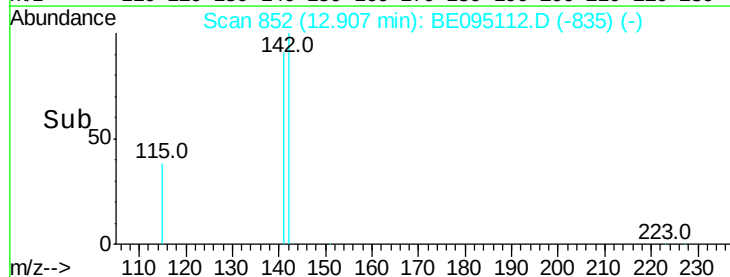
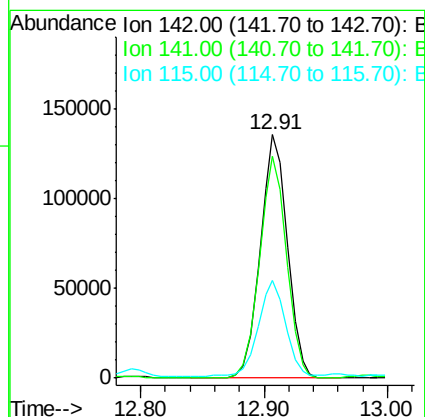
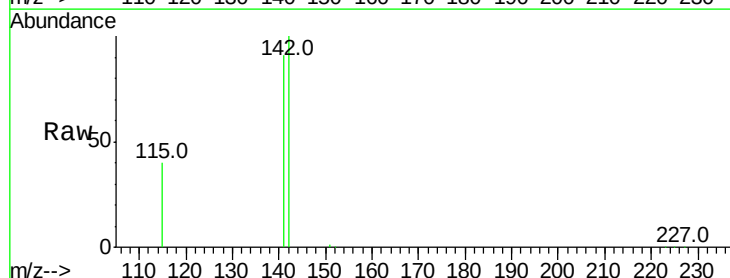
Tgt Ion:142 Resp: 207024

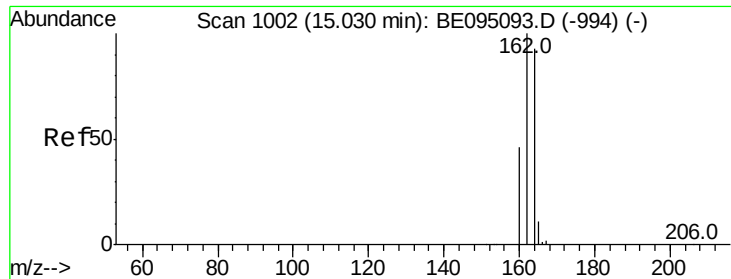
Ion Ratio Lower Upper

142 100

141 91.4 70.4 105.6

115 40.3 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.03 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

ClientSampled :

TW-2

Tot Ion:164 Resp: 14489

Ion Ratio Lower Upper

164 100

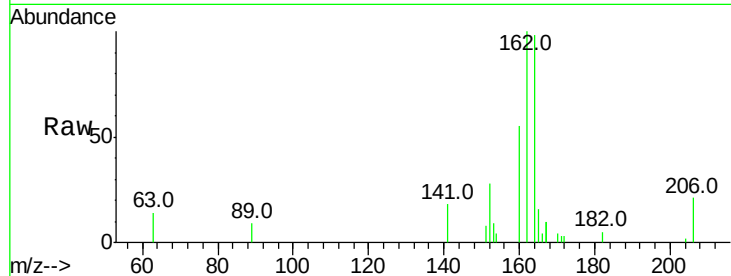
162 102.0 83.1 124.7

160 56.6 37.1 55.7#

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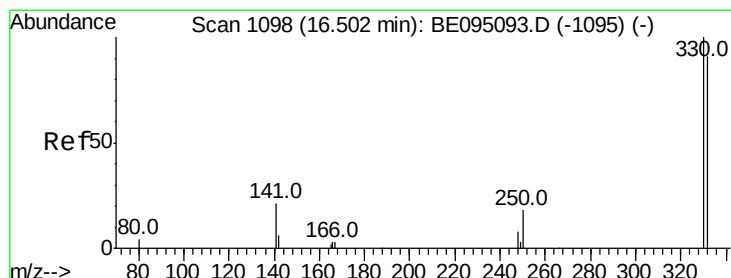
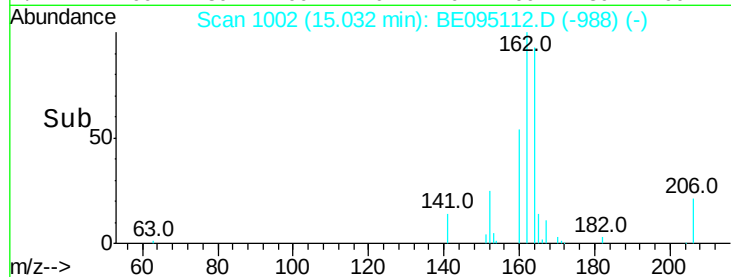
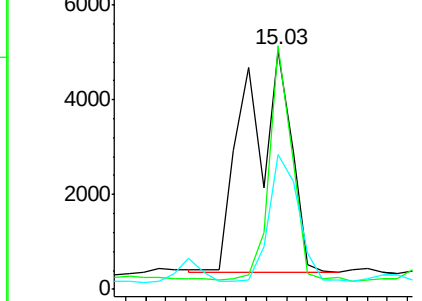
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 1.549 ng

RT: 16.50 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

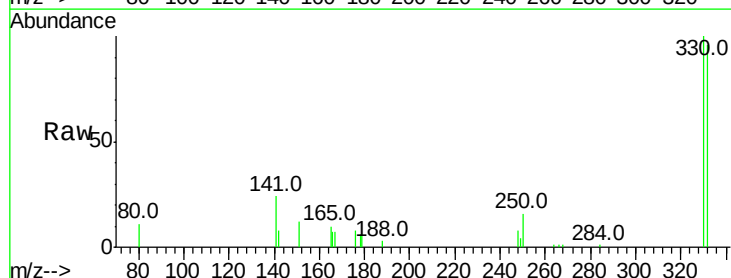
Tgt Ion:330 Resp: 7145

Ion Ratio Lower Upper

330 100

332 96.5 152.7 229.1#

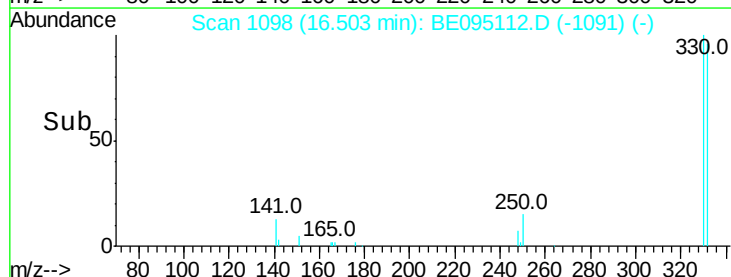
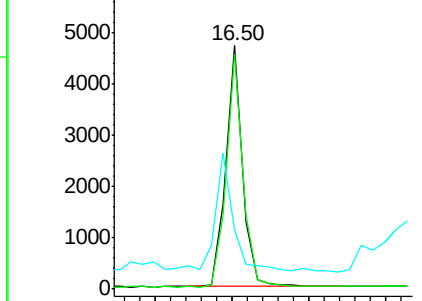
141 50.4 33.7 50.5

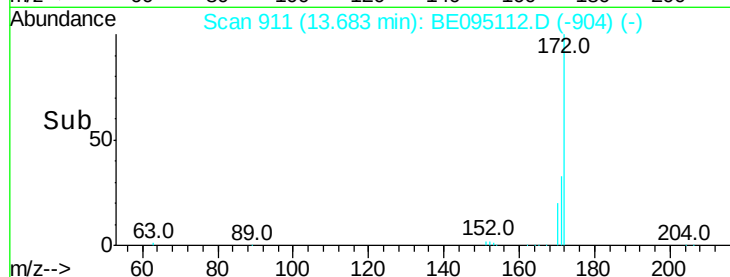
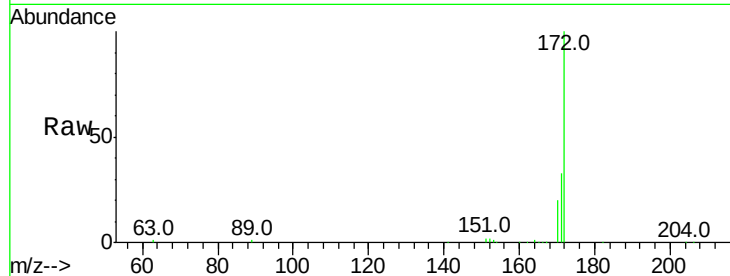
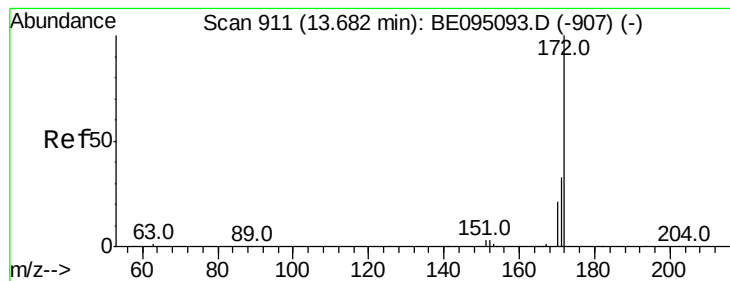


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





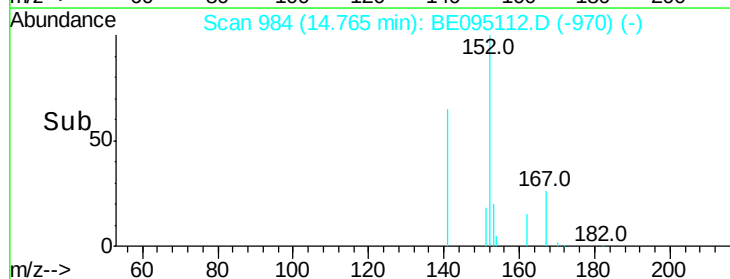
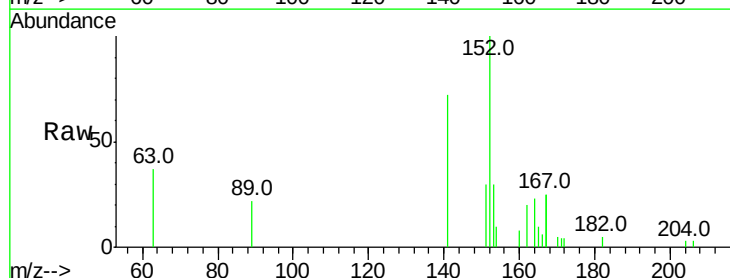
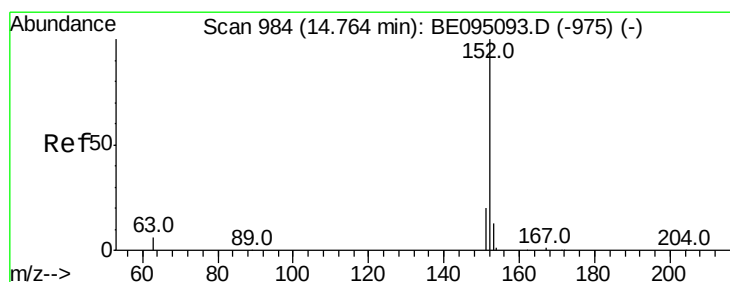
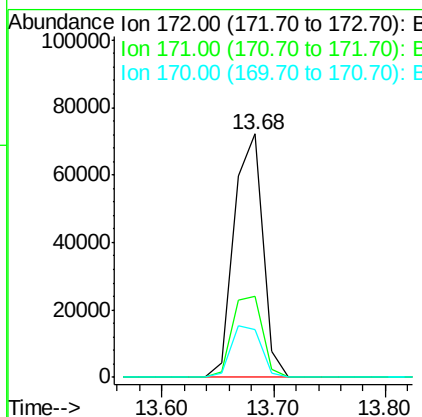
#15
2-Fluorobiphenyl
Concen: 2.011 ng
RT: 13.68 min Scan# 911
Delta R.T. 0.00 min
Lab File: BE095112.D
Acq: 25 Jan 2018 12:28

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.2	29.9	44.9	
170	19.8	21.8	32.8	

Instrument :
BNA_E
ClientSampled :
TW-2

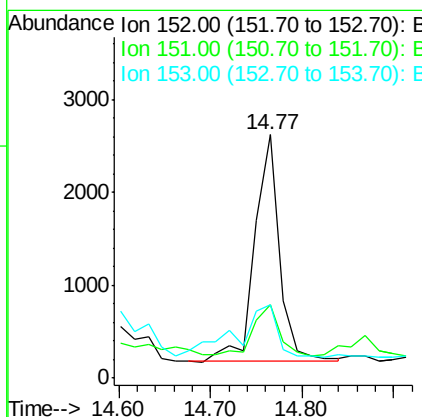
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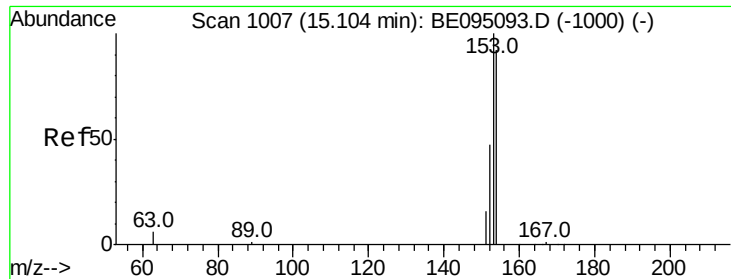
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#16
Acenaphthylene
Concen: 0.060 ng
RT: 14.77 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE095112.D
Acq: 25 Jan 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	24.2	15.7	23.5	
153	38.2	10.5	15.7	





#17

Acenaphthene

Concen: 0.377 ng

RT: 15.09 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

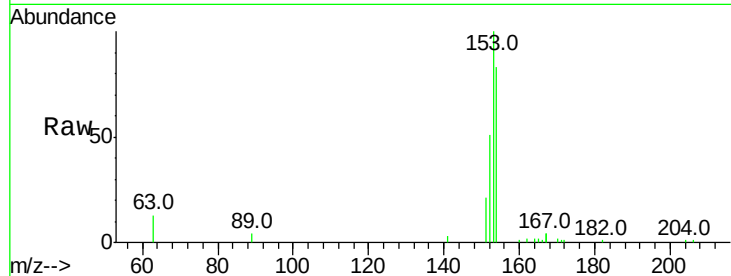
ClientSampled :

TW-2

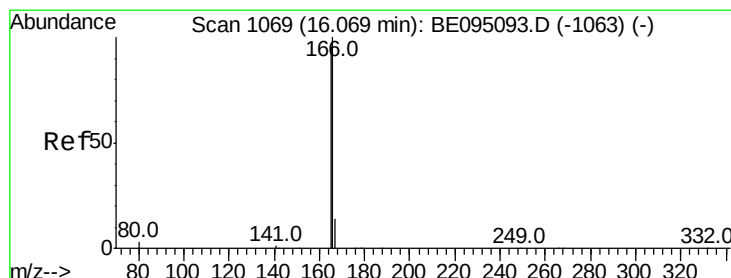
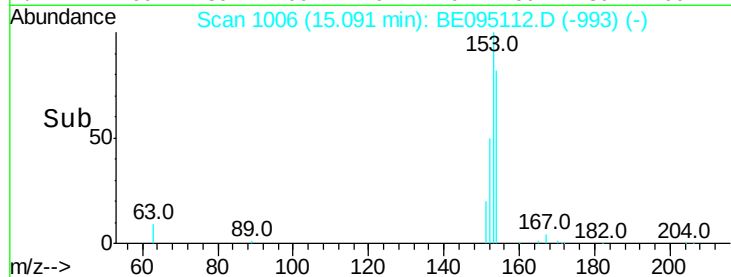
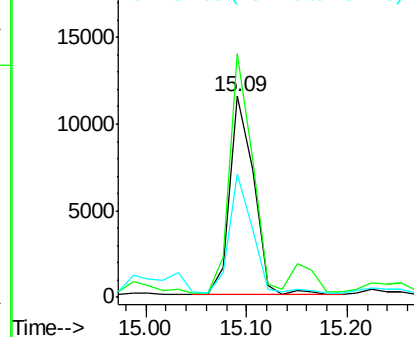
Tot Ion:	154	Resp:	19017
Ion Ratio	Lower	Upper	
154	100		
153	114.2	89.2	133.8
152	58.0	42.0	63.0

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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: 0.584 ng

RT: 16.05 min Scan# 1068

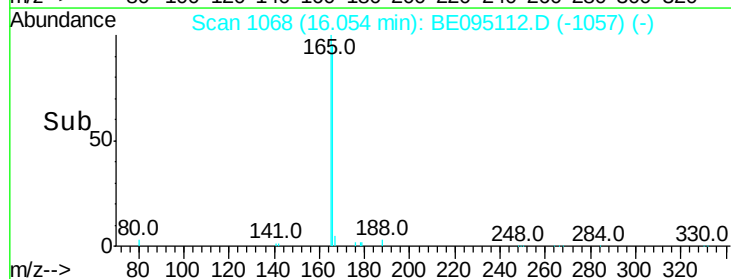
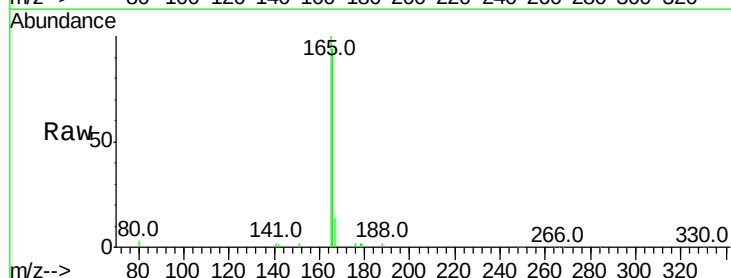
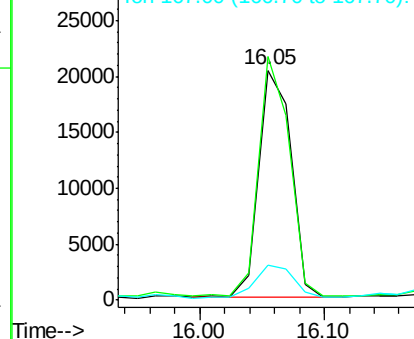
Delta R.T. -0.01 min

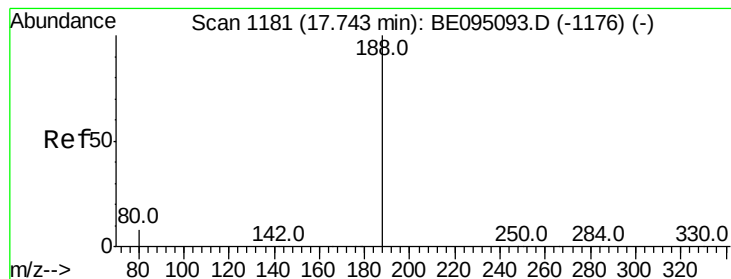
Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion:	166	Resp:	36831
Ion Ratio	Lower	Upper	
166	100		
165	100.2	77.8	116.6
167	17.9	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: 17.74 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

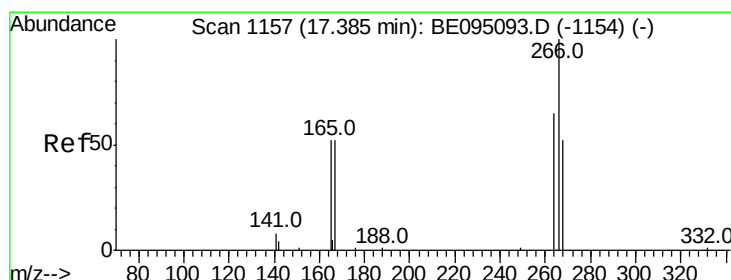
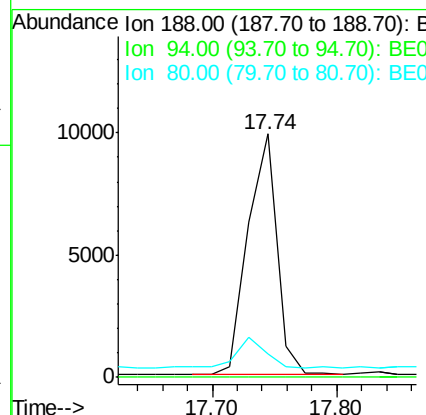
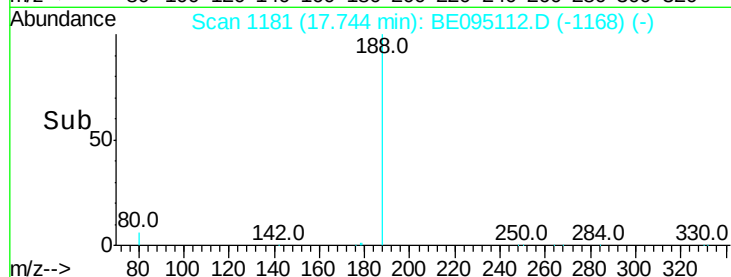
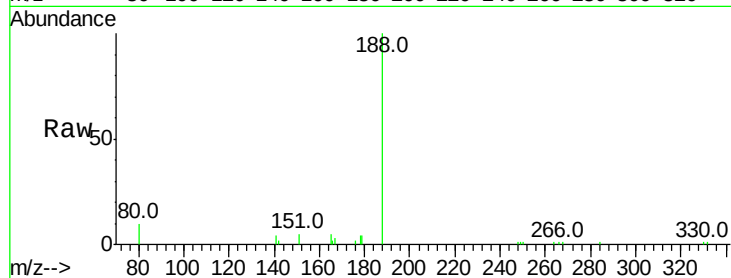
ClientSampled :

TW-2

Tot Ion:	188	Resp:	15795
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	9.8	3.6	5.4#

Manual Integrations
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#22

Pentachlorophenol

Concen: 0.136 ng m

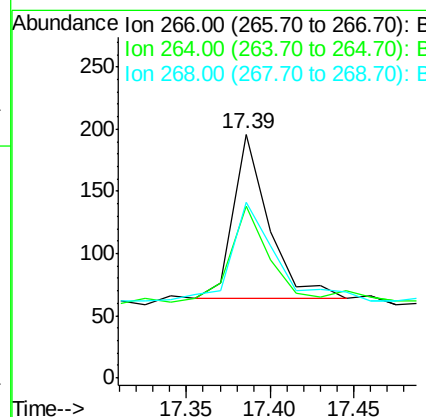
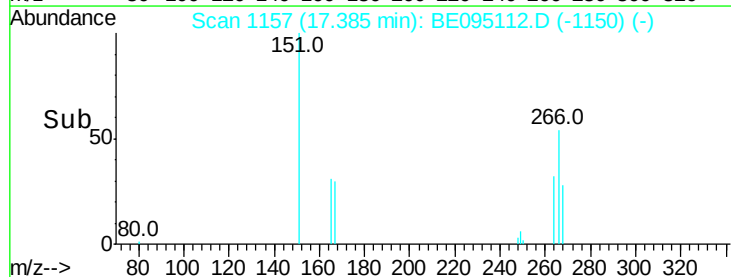
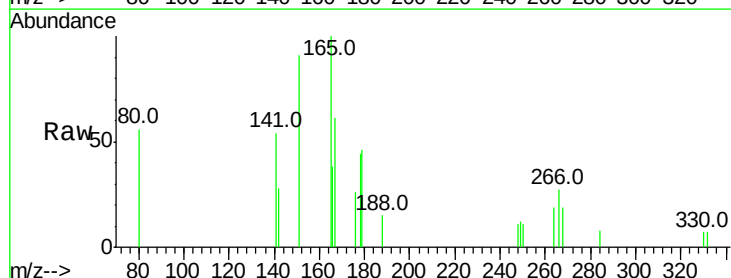
RT: 17.39 min Scan# 1157

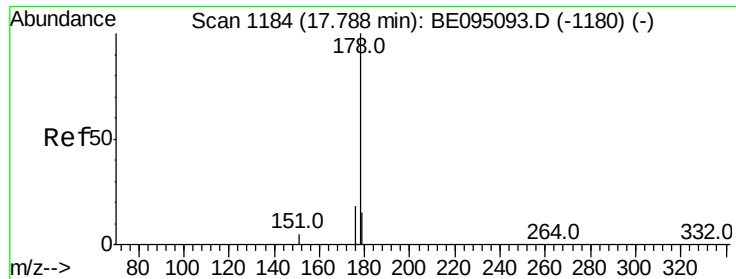
Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion:	266	Resp:	195
Ion Ratio	Lower	Upper	
266	100		
264	70.4	72.5	108.7#
268	71.9	73.8	110.6#





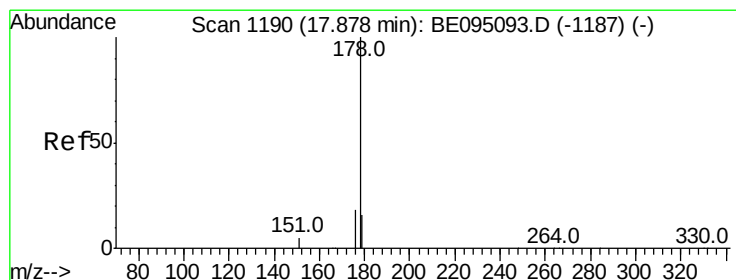
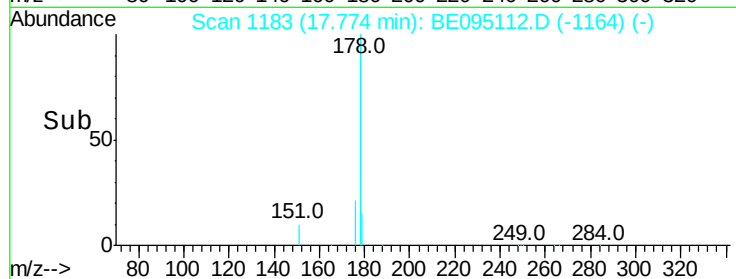
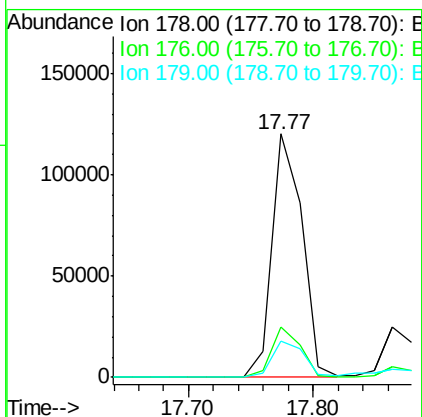
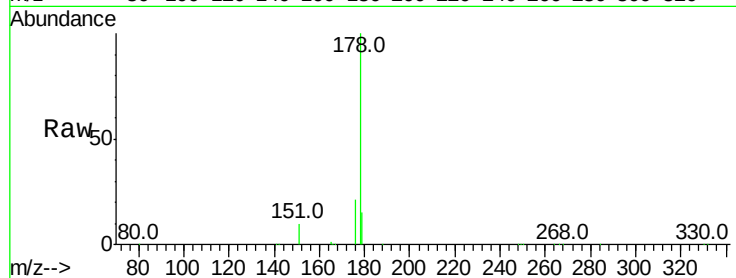
#23
Phenanthrene
Concen: 4.122 ng
RT: 17.77 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BE095112.D
Acq: 25 Jan 2018 12:28

Instrument :
BNA_E
ClientSampled :
TW-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.8	11.8	17.6

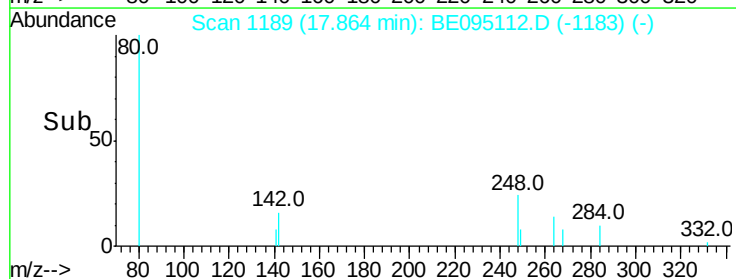
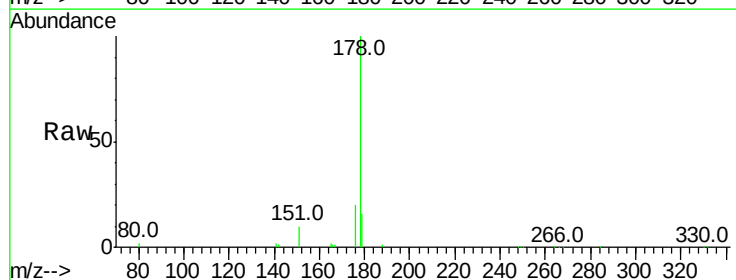
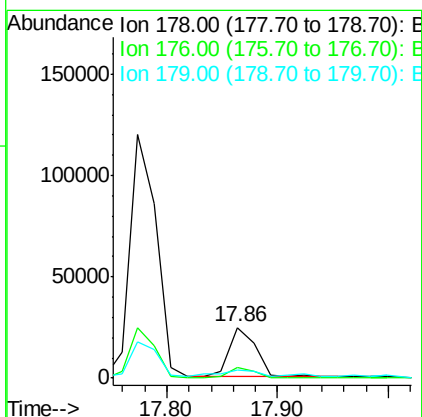
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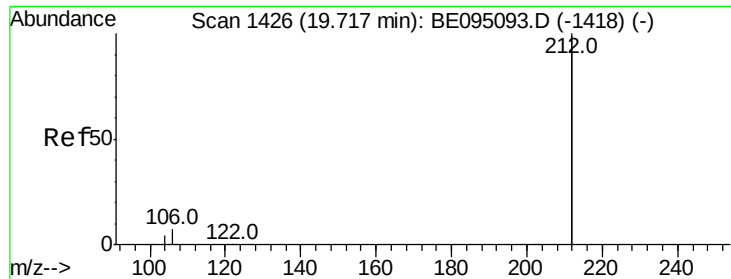
Sohil
1/26/2018 11:21:55 AM



#24
Anthracene
Concen: 0.972 ng
RT: 17.86 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BE095112.D
Acq: 25 Jan 2018 12:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	12.8	19.2
179	17.5	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.436 ng

RT: 19.71 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

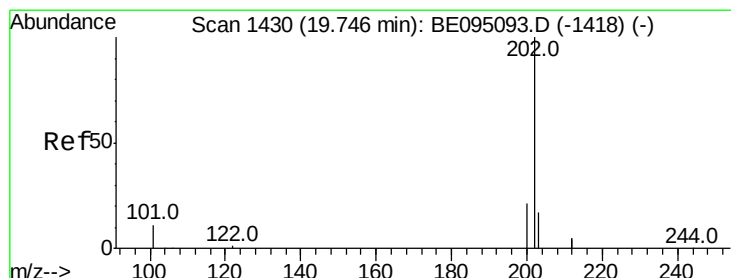
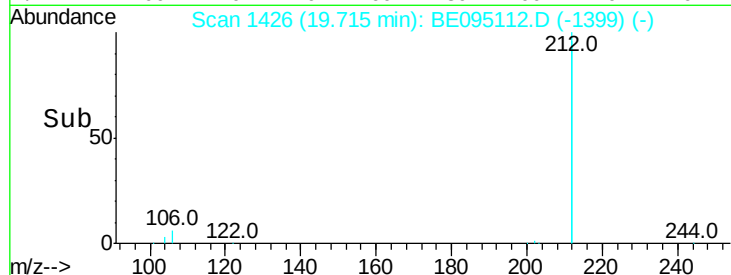
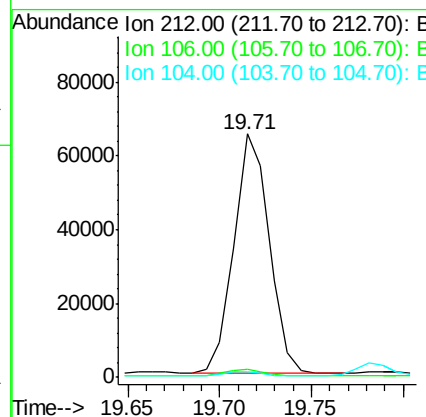
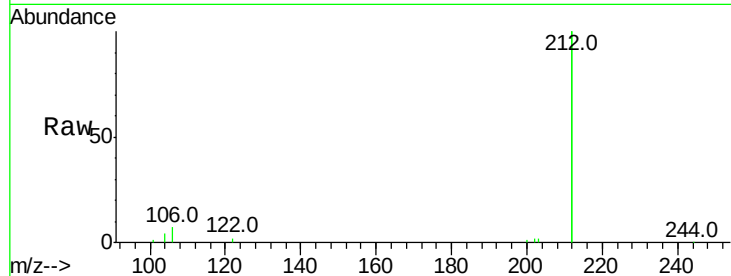
ClientSampled :

TW-2

Tot Ion:	212	Resp:	86683
Ion Ratio	Lower	Upper	
212	100		
106	3.3	2.8	4.2
104	1.9	1.6	2.4

Manual Integrations
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#26

Fluoranthene

Concen: 4.140 ng

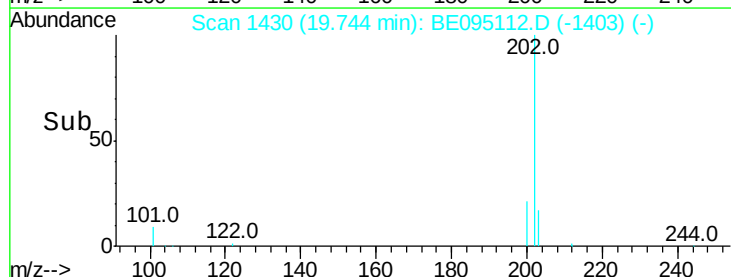
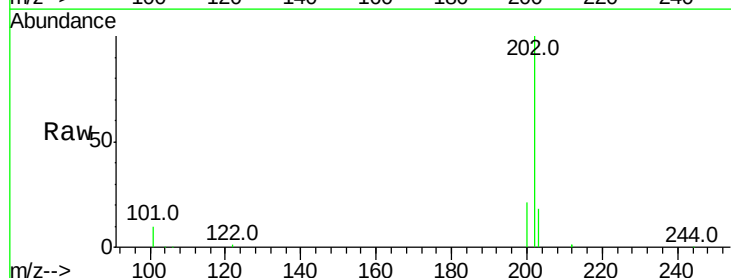
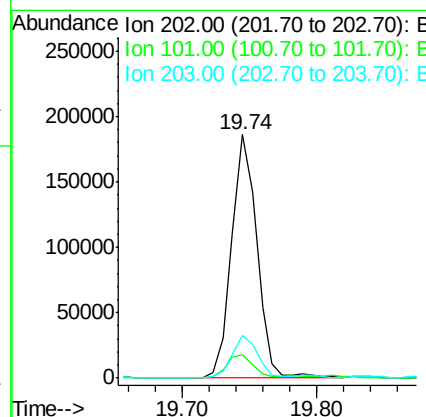
RT: 19.74 min Scan# 1430

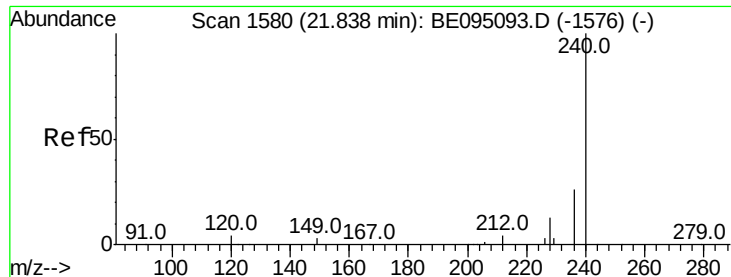
Delta R.T. -0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion:	202	Resp:	242623
Ion Ratio	Lower	Upper	
202	100		
101	10.0	9.8	14.8
203	17.2	13.7	20.5





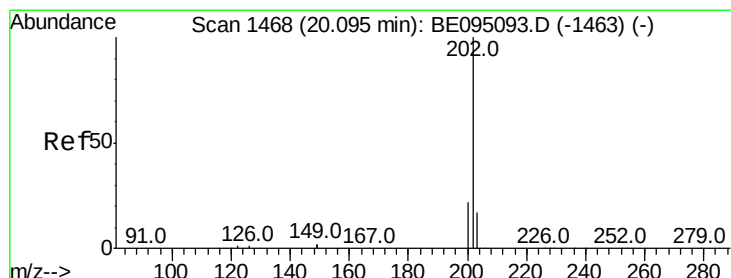
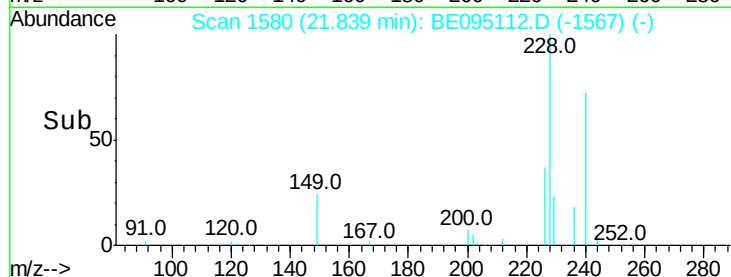
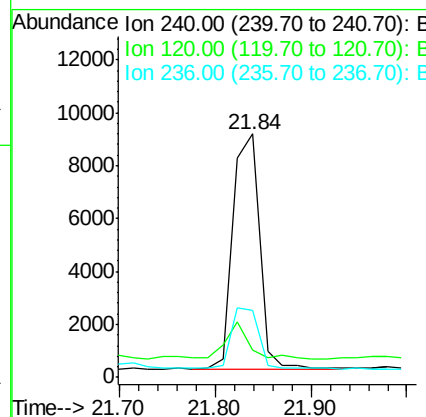
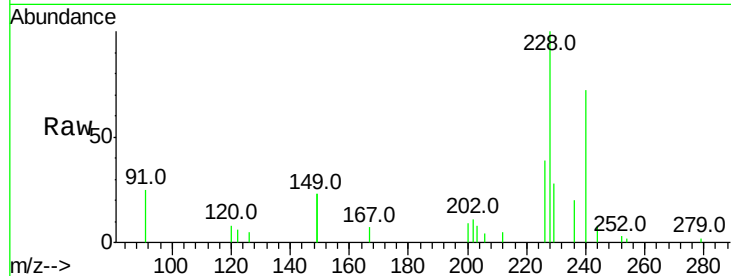
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.84 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BE095112.D
Acq: 25 Jan 2018 12:28

Instrument :
BNA_E
ClientSampled :
TW-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	5.5	8.3#
236	27.6	20.7	31.1

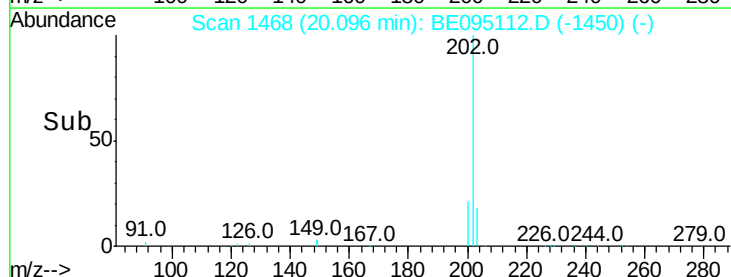
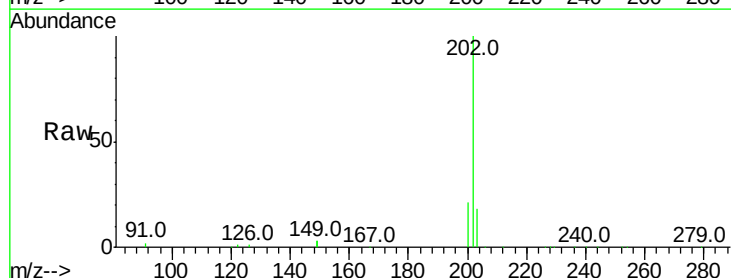
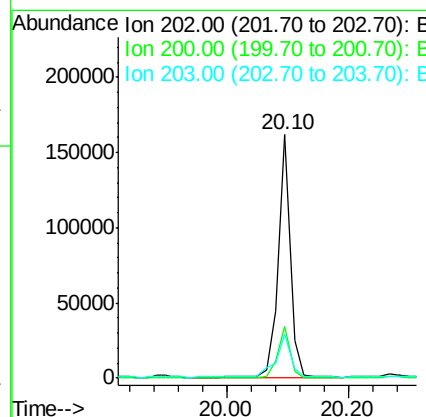
Manual Integrations
APPROVED

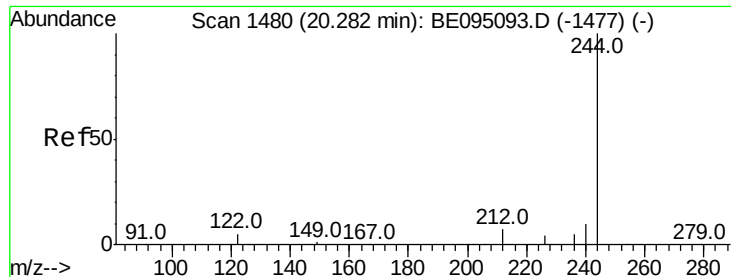
Sohil
1/26/2018 11:21:55 AM



#28
Pyrene
Concen: 2.904 ng
RT: 20.10 min Scan# 1468
Delta R.T. 0.00 min
Lab File: BE095112.D
Acq: 25 Jan 2018 12:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.6	25.0
203	29.7	13.8	20.8#





#29

Terphenyl-d14

Concen: 21.637 ng

RT: 20.28 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

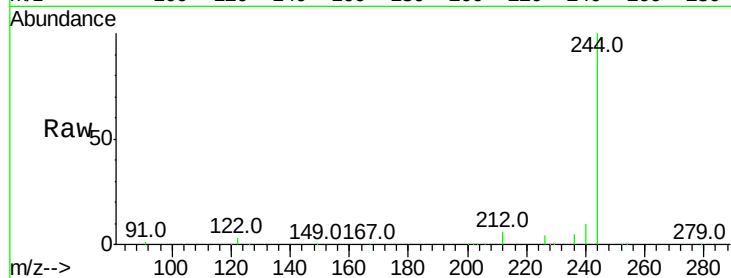
ClientSampleId :

TW-2

Tot Ion:	244	Resp:	750541
Ion Ratio	Lower	Upper	
244	100		
212	6.1	25.4	38.0#
122	2.7	8.1	12.1#

Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

20.28

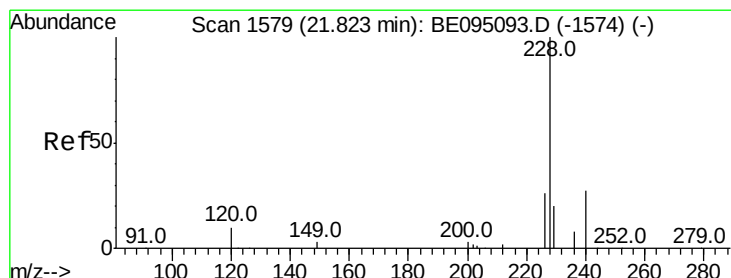
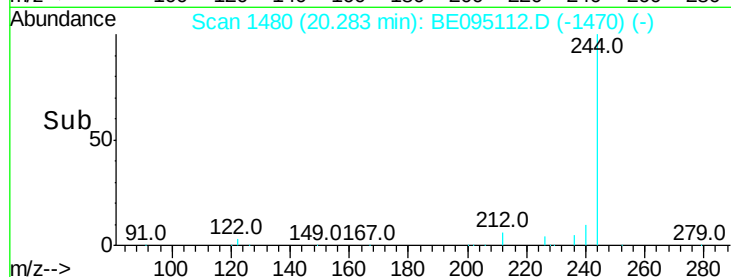
600000

400000

200000

0

Time--> 20.10 20.20 20.30 20.40



#30

Benzo(a)anthracene

Concen: 1.924 ng

RT: 21.81 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion:	228	Resp:	101983
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.0	36.0
229	20.9	16.0	24.0

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

21.81

80000

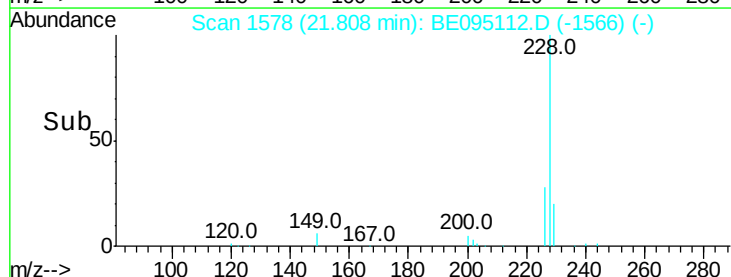
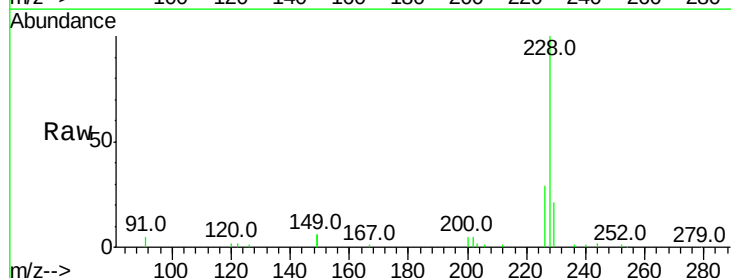
60000

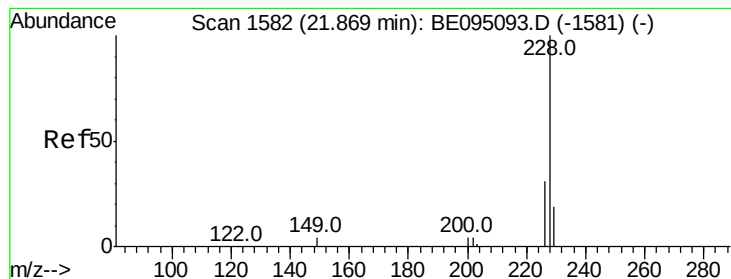
40000

20000

0

Time--> 21.70 21.80





#31

Chrysene

Concen: 1.639 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

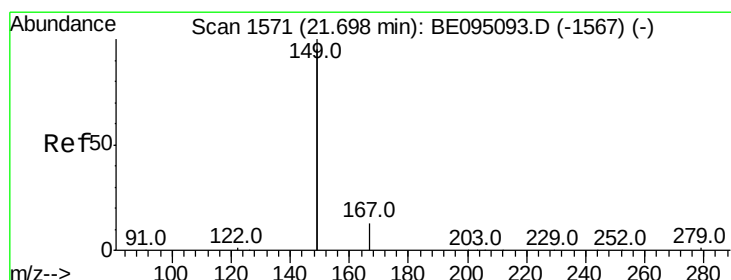
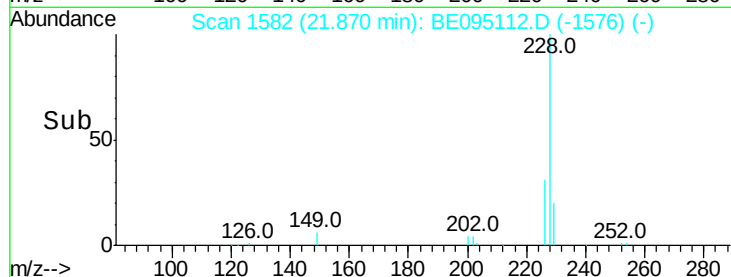
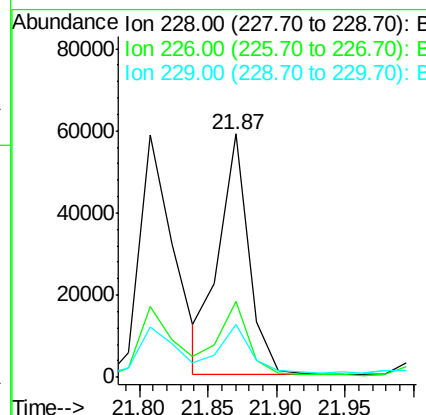
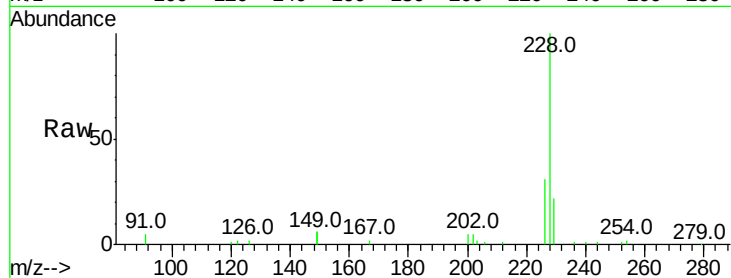
ClientSampled :

TW-2

Tot Ion:	228	Resp:	87867
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.0	36.0
229	21.7	16.0	24.0

Manual Integrations
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#32

Bis(2-ethylhexyl)phthalate

Concen: 20.030 ng

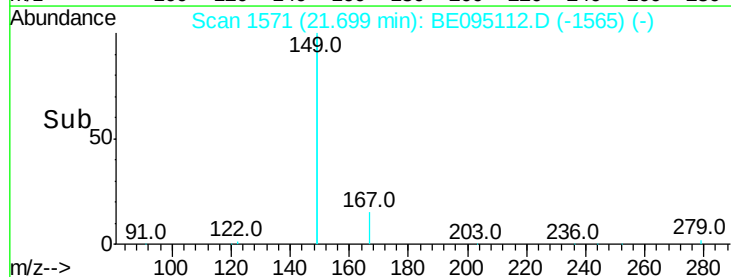
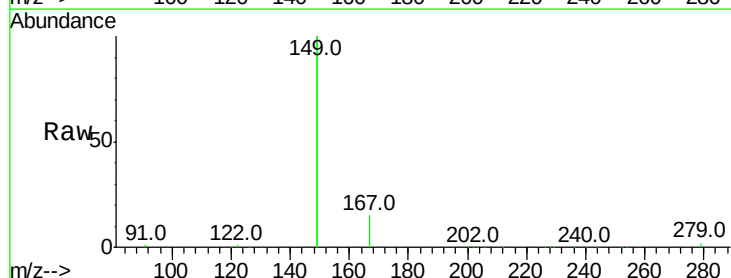
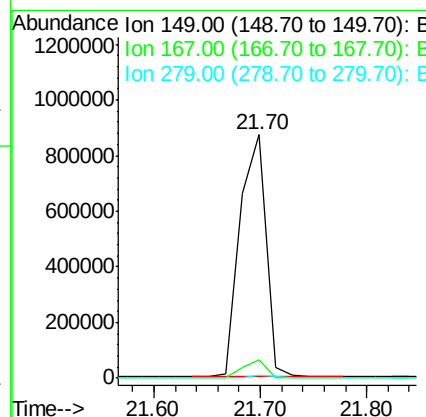
RT: 21.70 min Scan# 1571

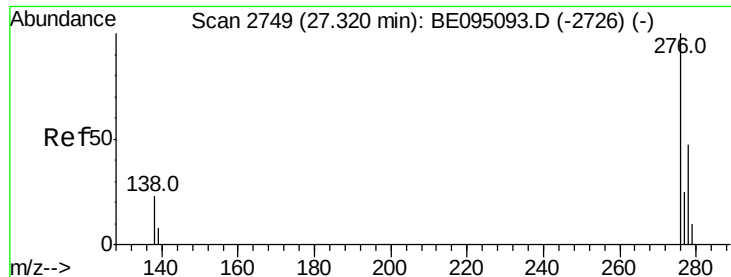
Delta R.T. 0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion:	149	Resp:	1476855
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.4	8.0
279	0.8	0.7	1.1





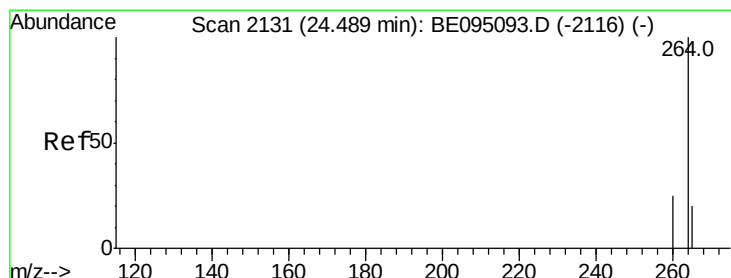
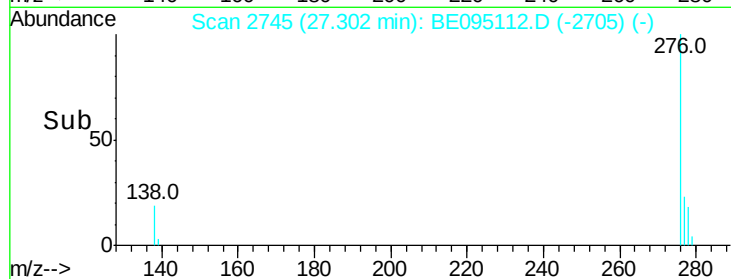
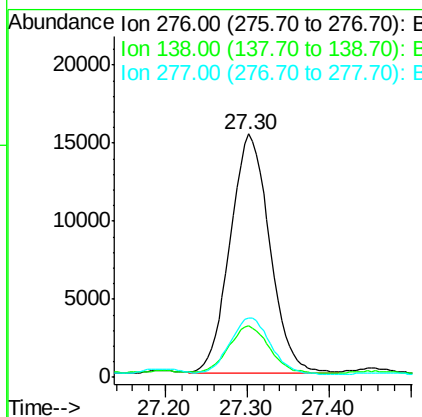
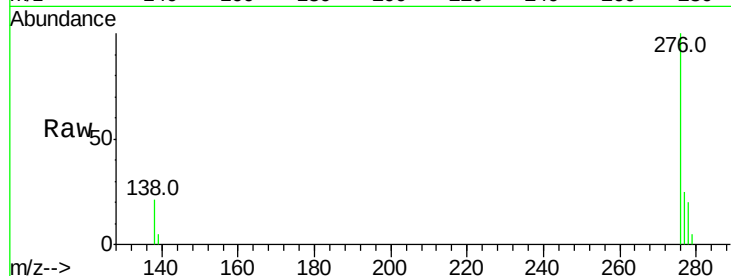
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.056 ng
 RT: 27.30 min Scan# 2745
 Delta R.T. -0.02 min
 Lab File: BE095112.D
 Acq: 25 Jan 2018 12:28

Instrument :
 BNA_E
 ClientSampled :
 TW-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	22.5	33.7#
277	23.9	19.9	29.9

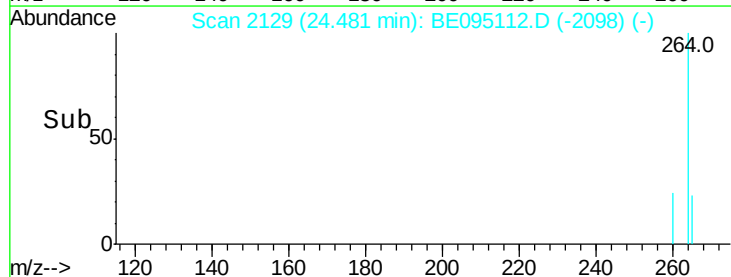
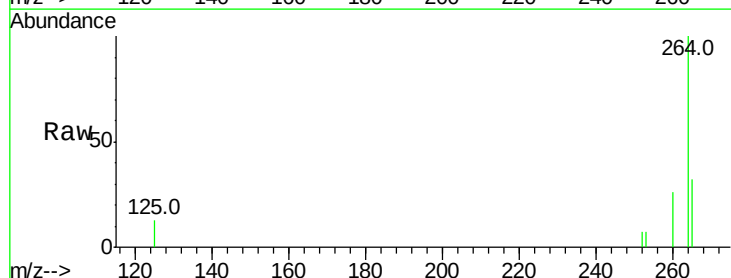
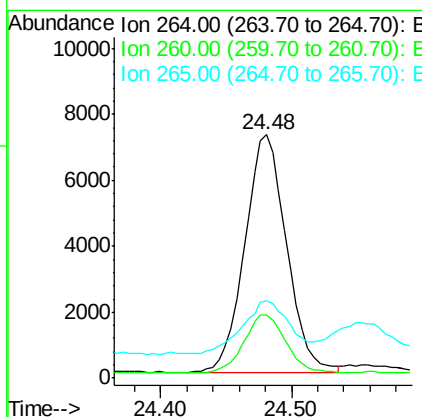
Manual Integrations
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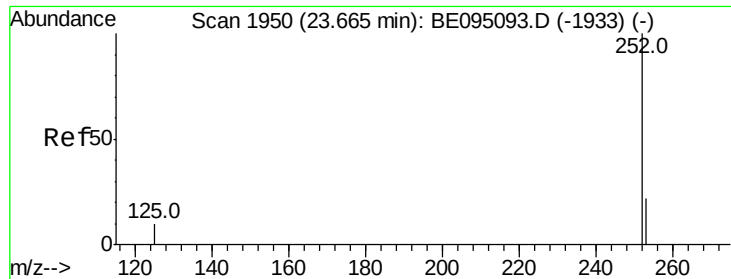
Sohil
 1/26/2018 11:21:55 AM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.48 min Scan# 2129
 Delta R.T. -0.01 min
 Lab File: BE095112.D
 Acq: 25 Jan 2018 12:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	31.6	22.8	34.2





#35

Benzo(b)fluoranthene

Concen: 1.838 ng

RT: 23.66 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

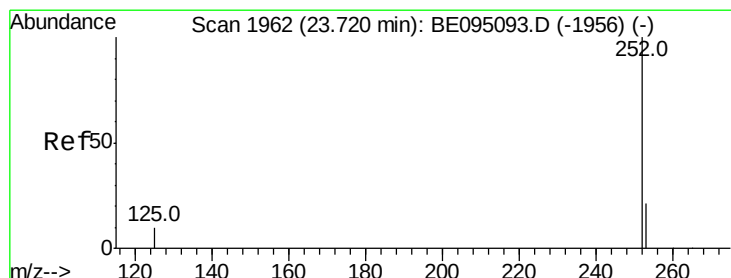
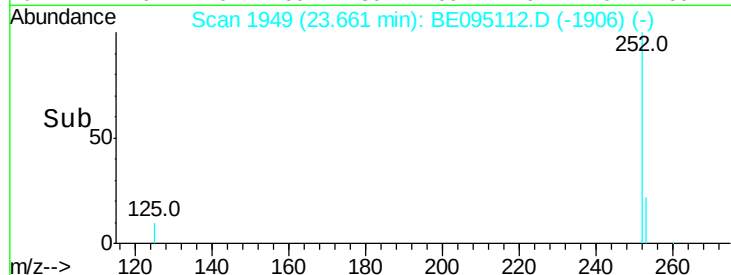
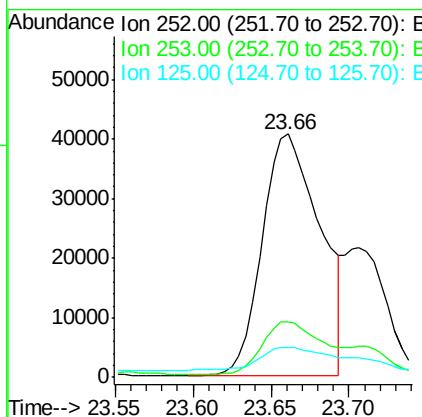
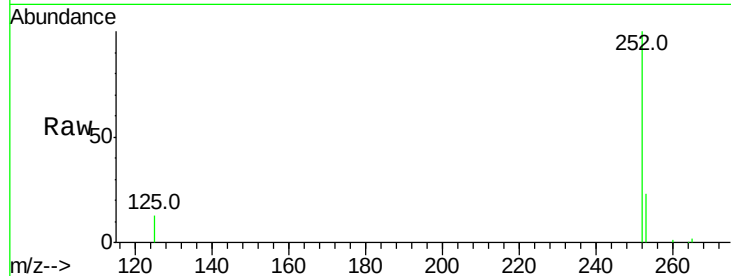
ClientSampled :

TW-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.0	30.0
125	12.5	16.0	24.0

Manual Integrations
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1/26/2018 11:21:55 AM



#36

Benzo(k)fluoranthene

Concen: 0.705 ng m

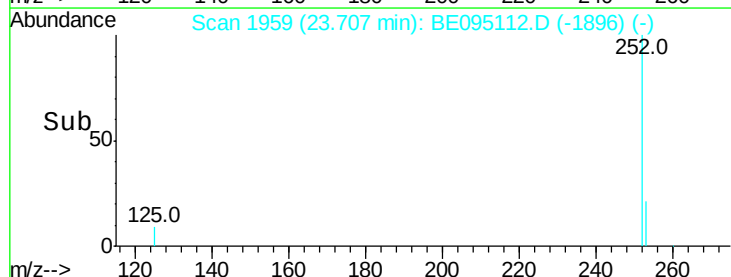
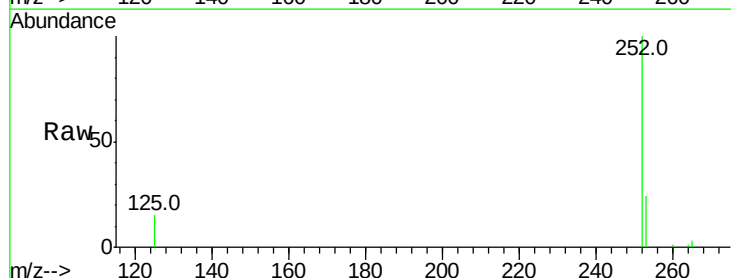
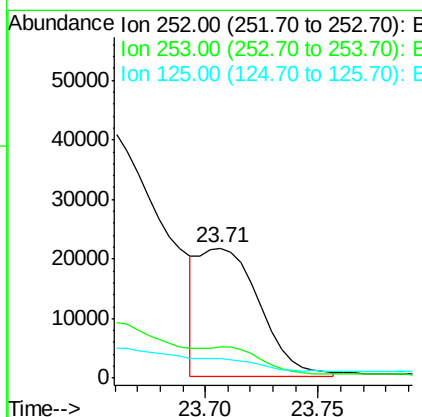
RT: 23.71 min Scan# 1959

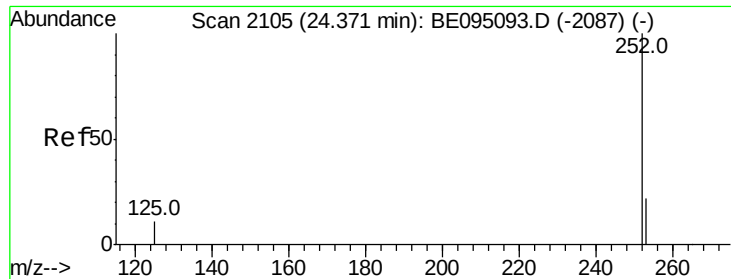
Delta R.T. -0.01 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	15.1	8.0	12.0





#37

Benzo(a)pyrene

Concen: 1.237 ng

RT: 24.36 min Scan# 2102

Delta R.T. -0.01 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

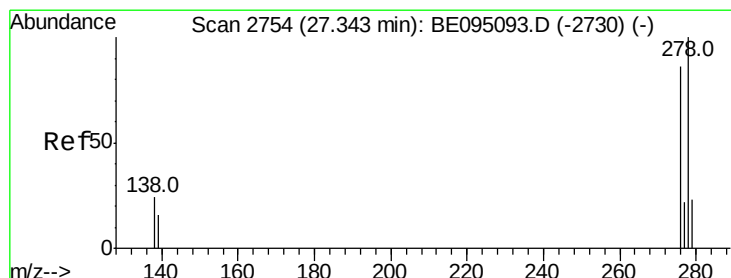
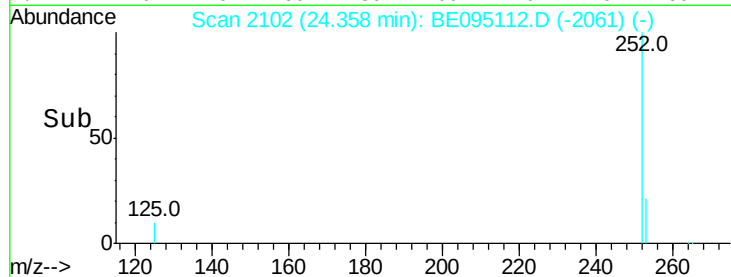
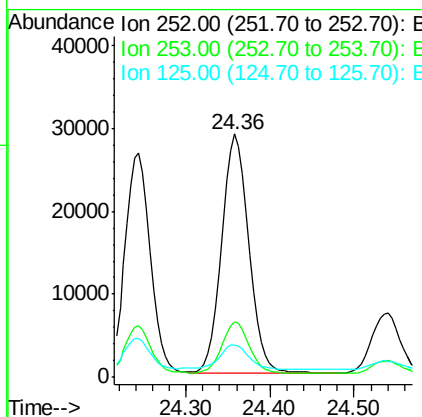
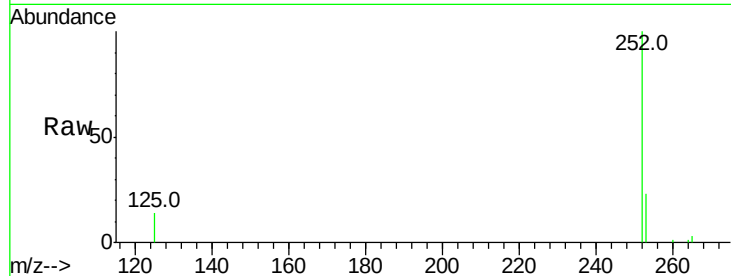
ClientSampleId :

TW-2

Tot Ion:	252	Resp:	64314
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.0	24.0
125	13.6	12.0	18.0

Manual Integrations
APPROVED

Sohil
1/26/2018 11:21:55 AM



#38

Dibenzo(a,h)anthracene

Concen: 0.302 ng

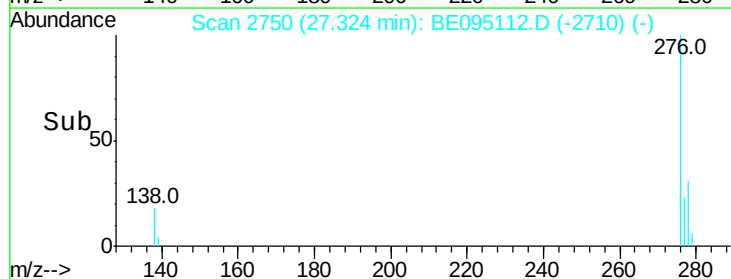
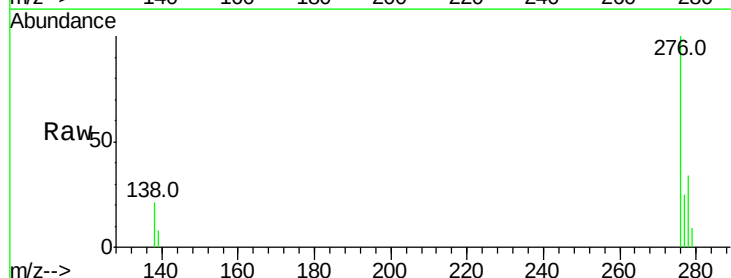
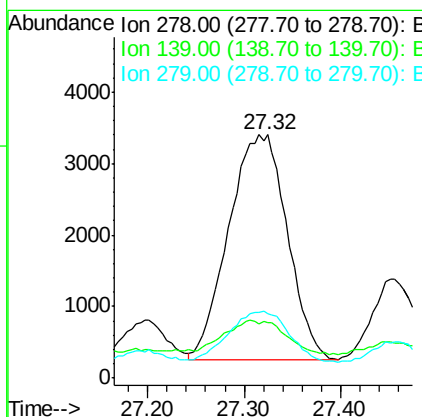
RT: 27.32 min Scan# 2750

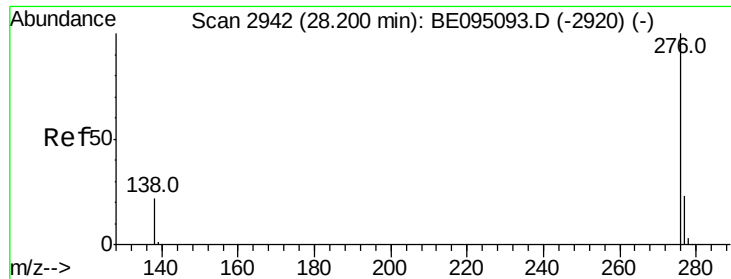
Delta R.T. -0.02 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Tgt Ion:	278	Resp:	13232
Ion Ratio	Lower	Upper	
278	100		
139	23.0	16.0	24.0
279	26.4	20.0	30.0





#39

Benzo(a,h,i)perylene

Concen: 1.085 ng

RT: 28.18 min Scan# 2938

Delta R.T. -0.02 min

Lab File: BE095112.D

Acq: 25 Jan 2018 12:28

Instrument :

BNA_E

ClientSampleId :

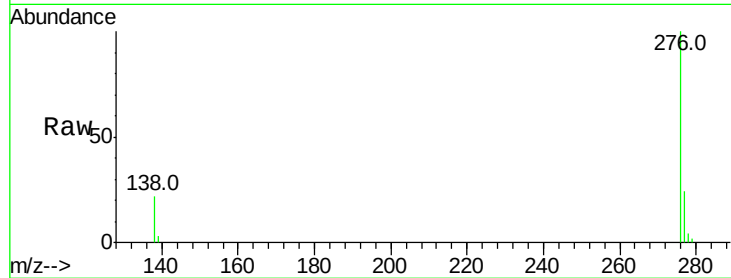
TW-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	16.0	24.0#
138	21.7	20.0	30.0

Manual Integrations
APPROVED

Sohil

1/26/2018 11:21:55 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

