

Data Path : U:\HPCHEM1\BNA E\DATA\BE012518\
 Data File : BE095115.D
 Acq On : 25 Jan 2018 14:15
 Operator : SJ/JU
 Sample : J1236-06DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TW-2DL

Manual Integrations
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 1/26/2018 11:21:59 AM

Quant Time: Jan 25 20:22:29 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	8.46	152	5381	0.40	ng	0.00
7) Naphthalene-d8	11.29	136	12121	0.40	ng	-0.02
13) Acenaphthene-d10	15.03	164	7482	0.40	ng	0.00
19) Phenanthrene-d10	17.74	188	14963	0.40	ng	0.00
27) Chrysene-d12	21.84	240	15246	0.40	ng	0.00
34) Perylene-d12	24.48	264	14184	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.94	112	617	0.07	ng	0.00
5) Phenol-d6	7.59	99	3697	0.28	ng	0.01
8) Nitrobenzene-d5	9.63	82	5662	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.83	152	1536	0.08	ng	0.00
14) 2,4,6-Tribromophenol	16.50	330	1199	0.57	ng	0.00
15) 2-Fluorobiphenyl	13.68	172	24847	0.76	ng	0.00
25) Fluoranthene-d10	19.72	212	16199	0.09	ng	0.00
29) Terphenyl-d14	20.28	244	145730	4.67	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	11.34	128	3117794	22.478	ng	99
12) 2-Methylnaphthalene	12.91	142	39057	1.643	ng	99
16) Acenaphthylene	14.76	152	917	0.023	ng	# 62
17) Acenaphthene	15.09	154	3545	0.136	ng	97
18) Fluorene	16.05	166	6910	0.212	ng	# 80
23) Phenanthrene	17.77	178	39840	0.862	ng	99
24) Anthracene	17.86	178	7681	0.186	ng	97
26) Fluoranthene	19.75	202	46049	0.829	ng	# 97
28) Pyrene	20.09	202	45376	0.704	ng	# 90
30) Benzo(a)anthracene	21.81	228	18779	0.394	ng	98
31) Chrysene	21.87	228	16148	0.335	ng	96
32) Bis(2-ethylhexyl)phthalate	21.70	149	257662	3.885	ng	100
33) Indeno(1,2,3-cd)pyrene	27.30	276	9136	0.208	ng	# 91
35) Benzo(b)fluoranthene	23.66	252	19314	0.384	ng	# 92
36) Benzo(k)fluoranthene	23.71	252	7096m	0.138	ng	
37) Benzo(a)pyrene	24.36	252	11571	0.251	ng	# 92
38) Dibenzo(a,h)anthracene	27.31	278	2367	0.061	ng	# 79
39) Benzo(a,h,i)perylene	28.18	276	9137	0.217	ng	# 91

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

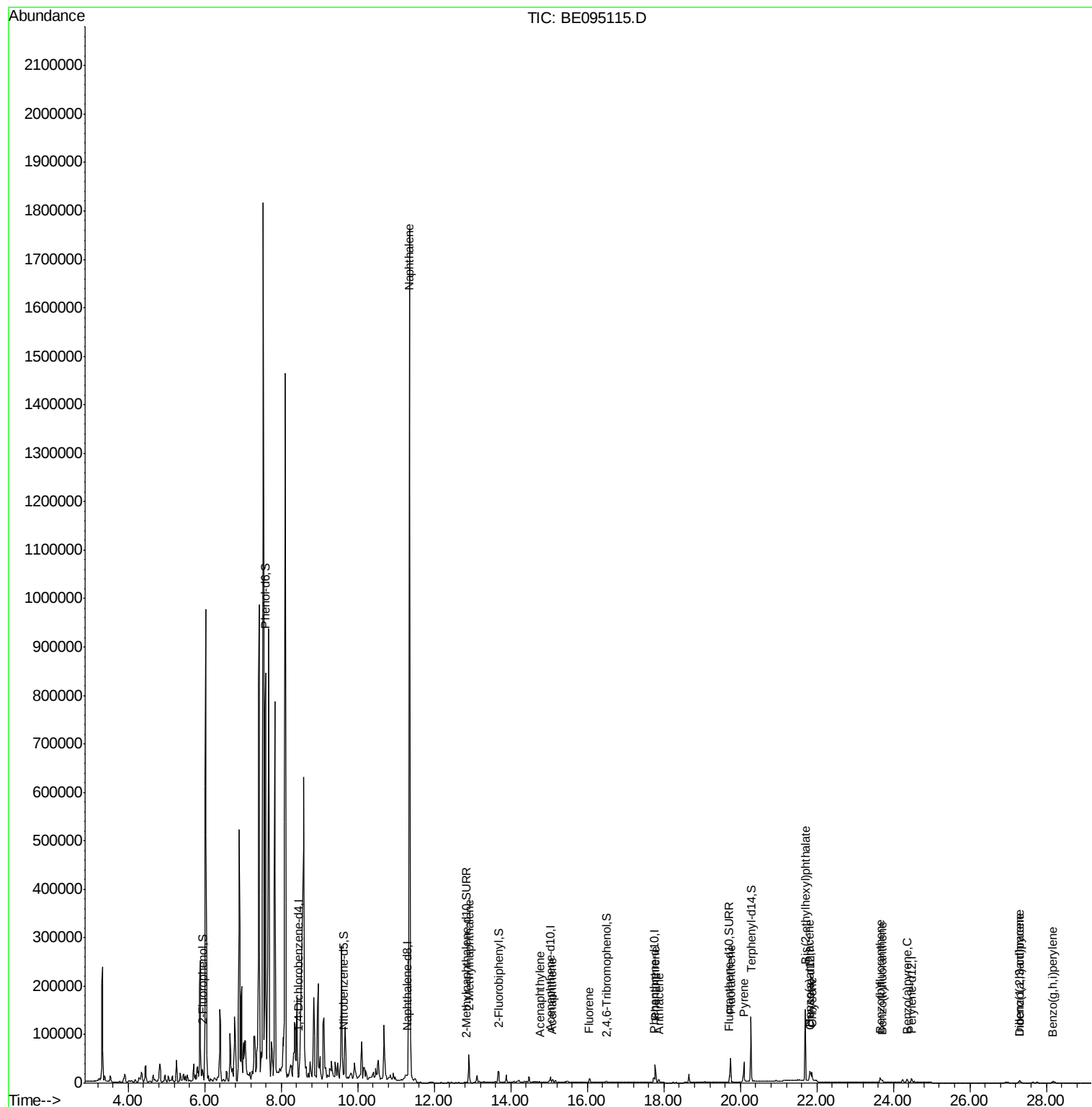
Data Path : U:\HPCHEM1\BNA E\DATA\BE012518\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

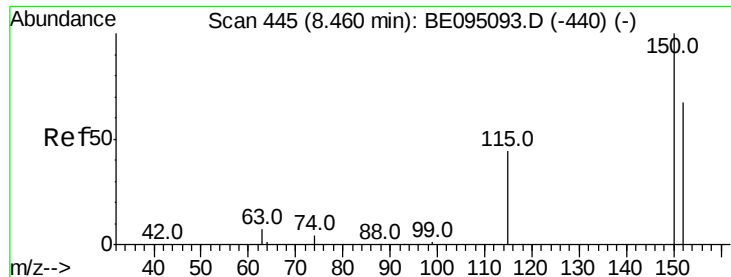
Instrument :
BNA_E
ClientSampleId :
TW-2DL

Quant Time: Jan 25 20:22:29 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

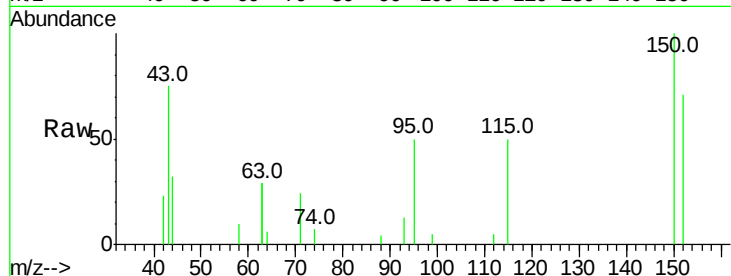
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. 0.00 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Instrument :
BNA_E
ClientSampleId :
TW-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.6	117.2	175.8
115	71.4	57.0	85.6

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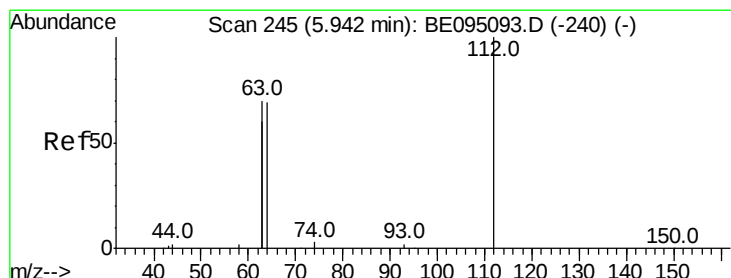
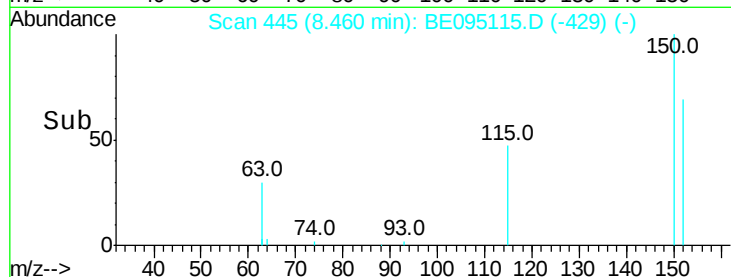
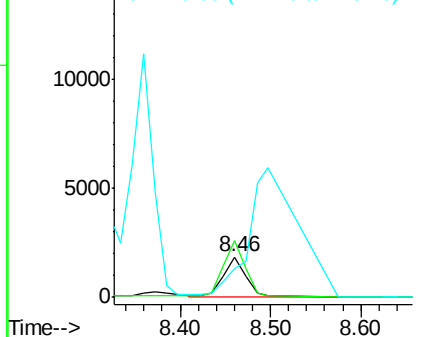


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

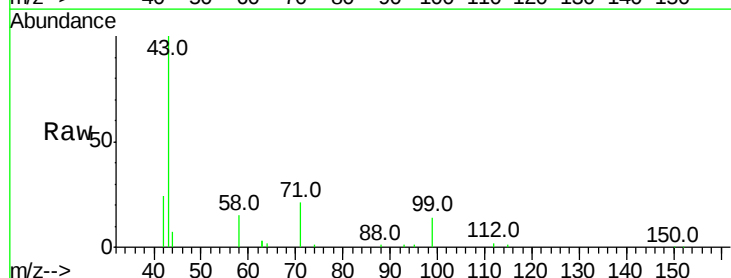
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.071 ng
RT: 5.94 min Scan# 245
Delta R.T. 0.00 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

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

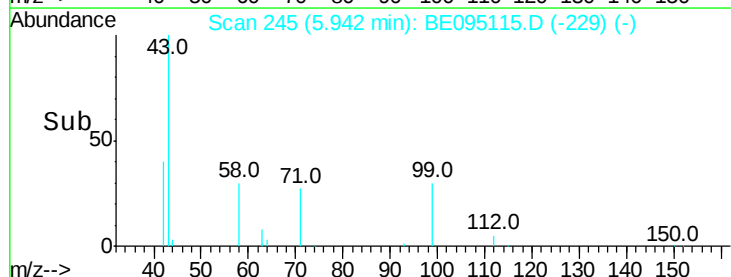
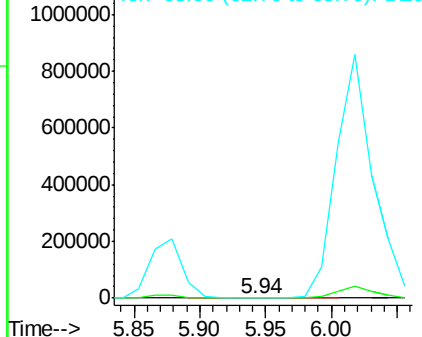


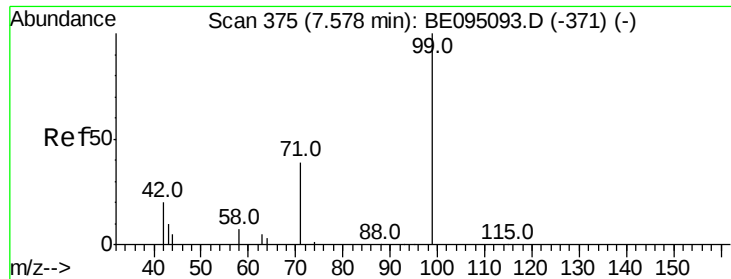
Abundance

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: 0.280 ng

RT: 7.59 min Scan# 376

Delta R.T. 0.01 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Instrument :

BNA_E

ClientSampled :

TW-2DL

Tot Ion: 99 Resp: 3697

Ion Ratio Lower Upper

99 100

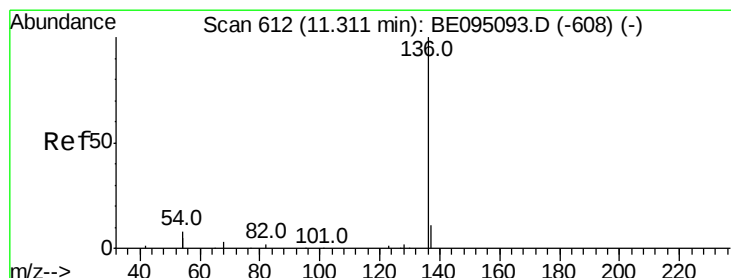
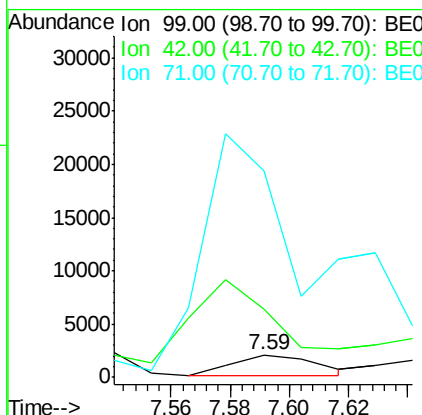
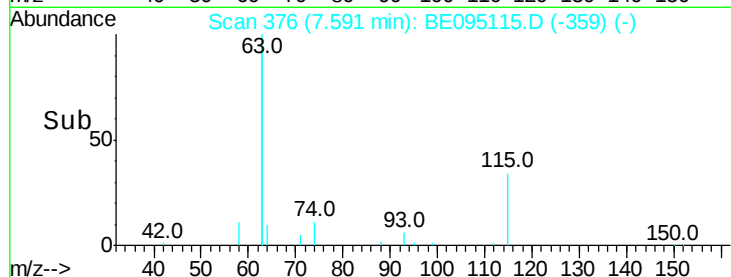
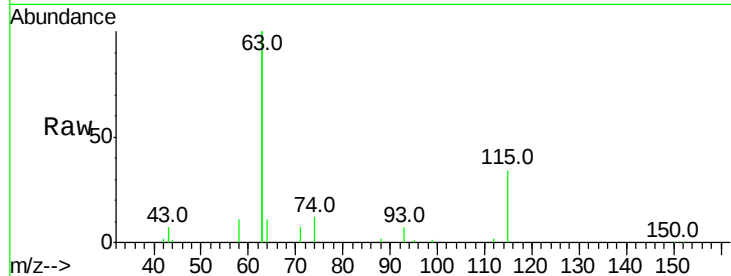
42 447.0 20.2 30.2#

71 1660.2 28.4 42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.29 min Scan# 611

Delta R.T. -0.02 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Tgt Ion: 136 Resp: 12121

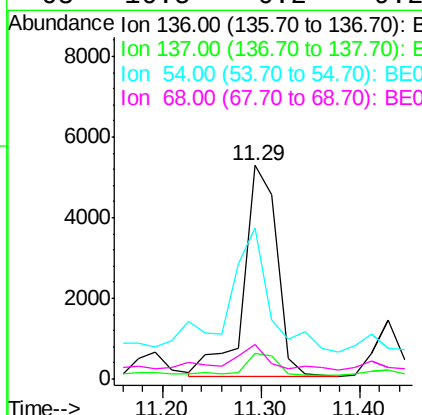
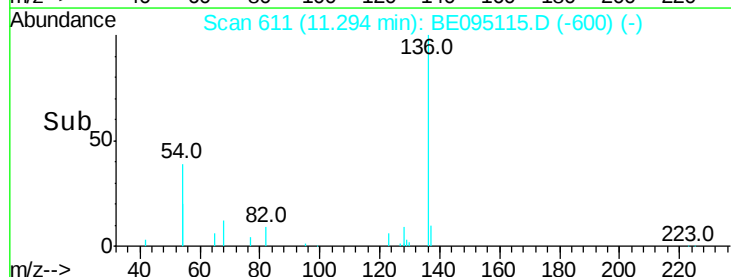
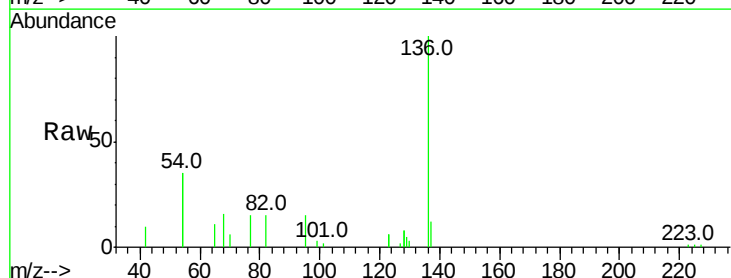
Ion Ratio Lower Upper

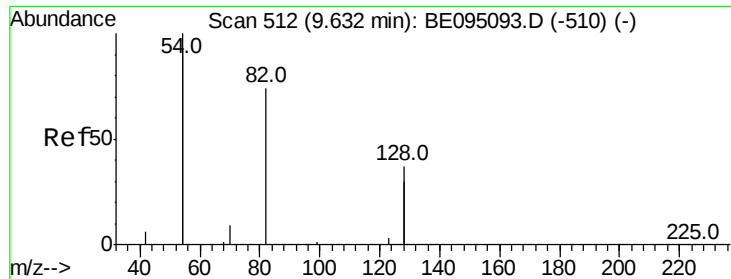
136 100

137 12.0 9.5 14.3

54 70.9 29.1 43.7#

68 16.5 6.2 9.2#





#8

Nitrobenzene-d5

Concen: 0.513 ng

RT: 9.63 min Scan# 512

Delta R.T. 0.00 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Instrument :

BNA_E

ClientSampled :

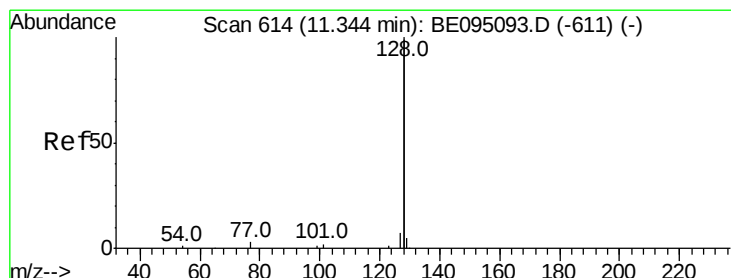
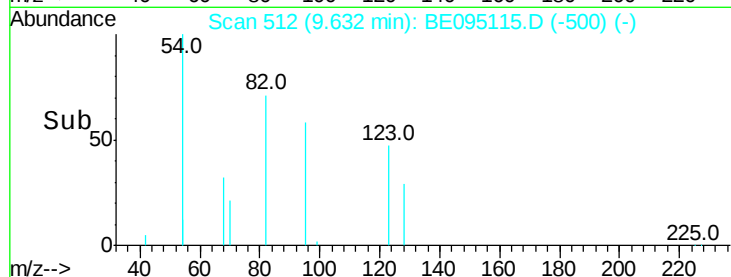
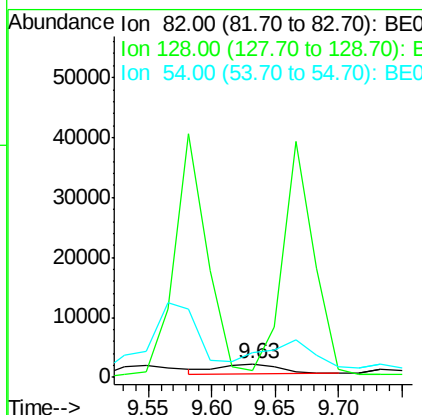
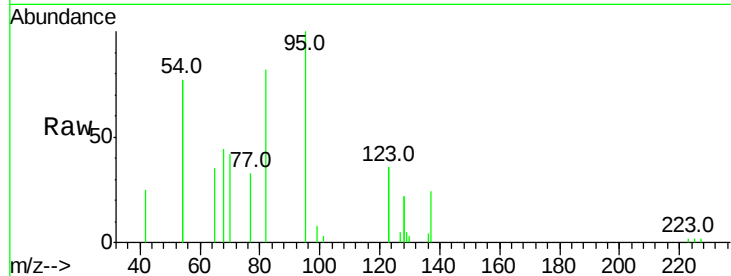
TW-2DL

Tot Ion: 82 Resp: 5662

Ion	Ratio	Lower	Upper
82	100		
128	53.9	150.0	225.0#
54	185.9	154.2	231.4

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#9

Naphthalene

Concen: 22.478 ng

RT: 11.34 min Scan# 614

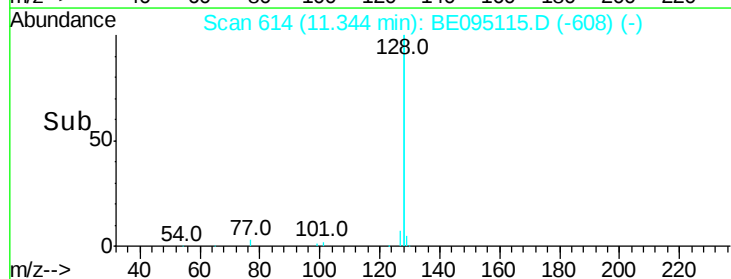
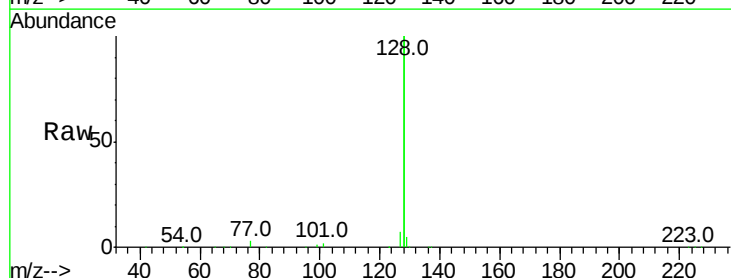
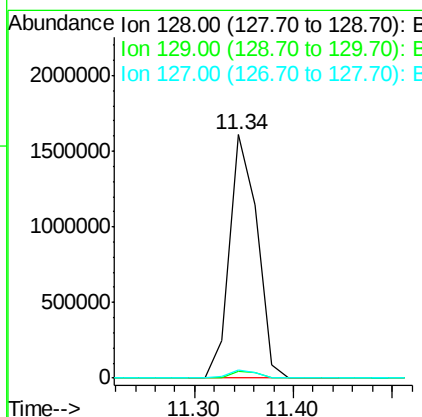
Delta R.T. 0.00 min

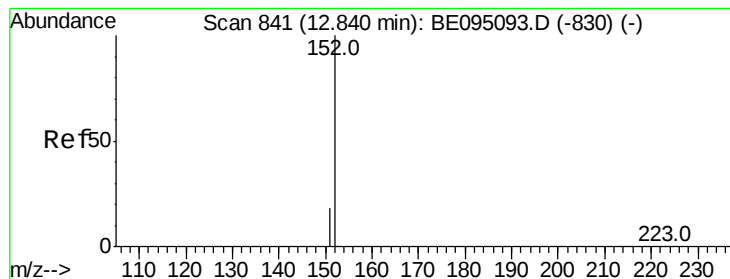
Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Tgt Ion: 128 Resp: 3117794

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.6	3.8
127	3.5	2.8	4.2





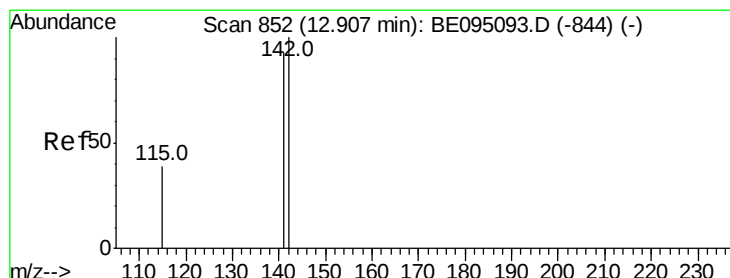
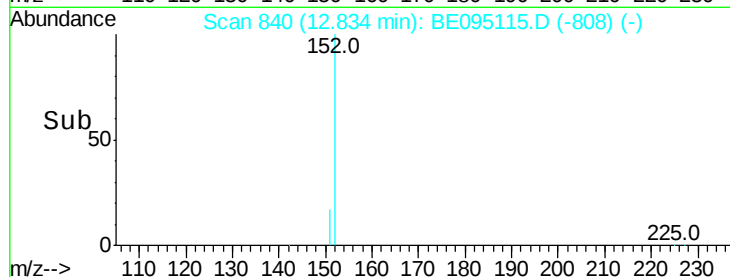
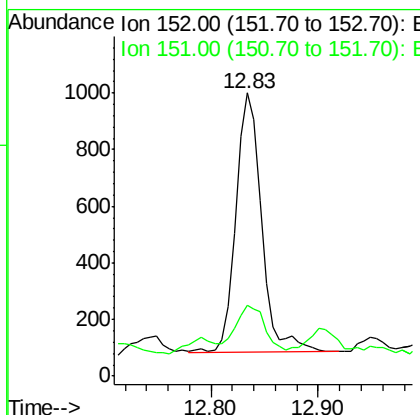
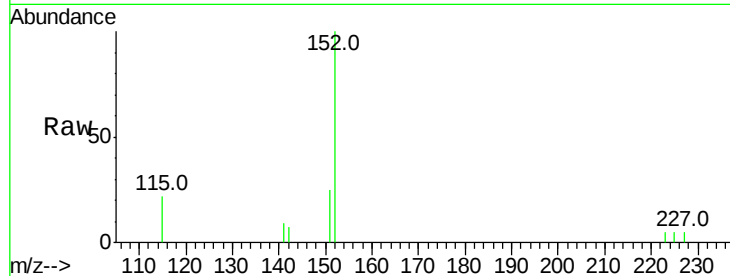
#11
2-Methylnaphthalene-d10
Concen: 0.076 ng
RT: 12.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Instrument :
BNA_E
ClientSampleId :
TW-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.4	23.0

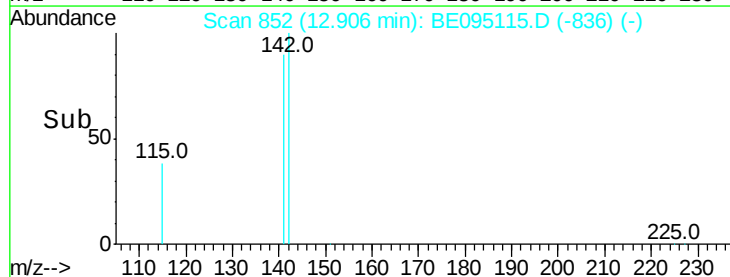
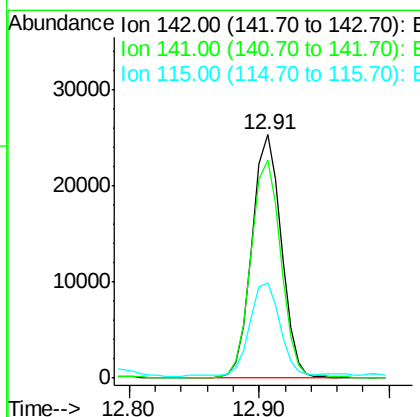
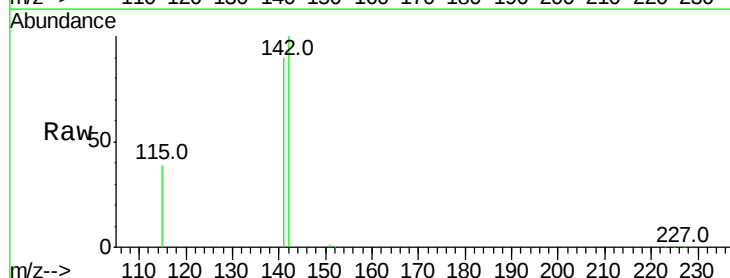
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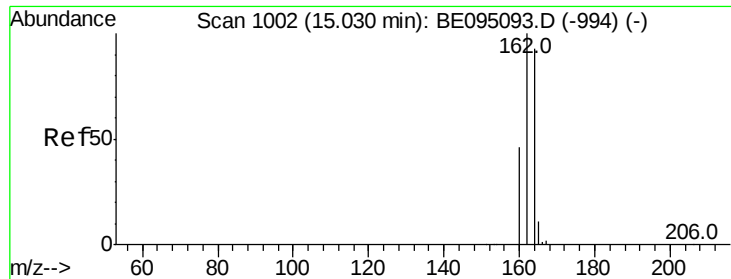
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#12
2-Methylnaphthalene
Concen: 1.643 ng
RT: 12.91 min Scan# 852
Delta R.T. -0.00 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.4	105.6
115	39.3	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: BE095115.D

Acq: 25 Jan 2018 14:15

Instrument :

BNA_E

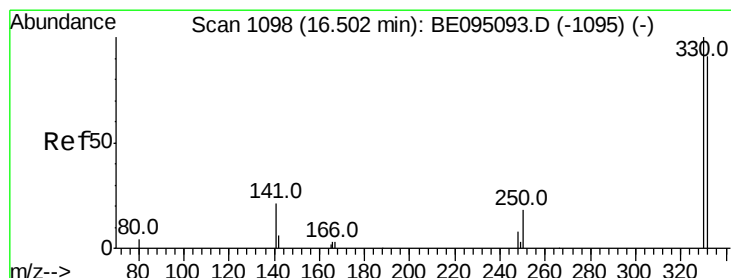
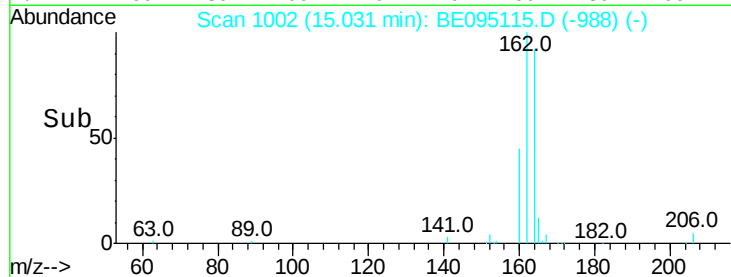
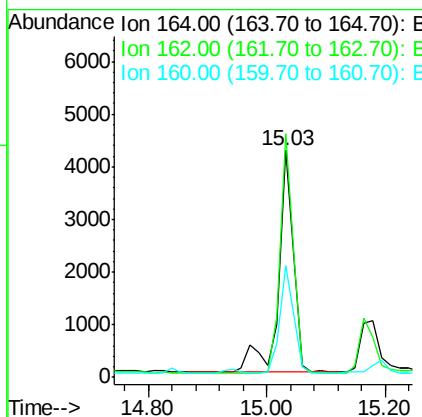
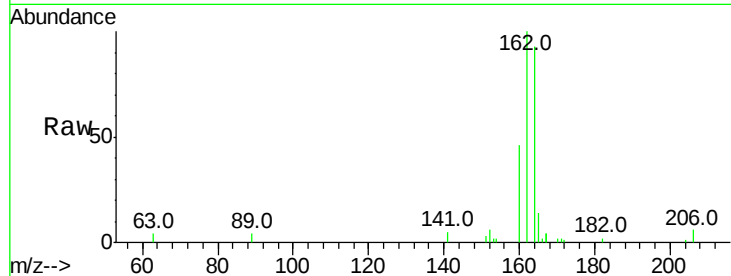
ClientSampleId :

TW-2DL

Tot Ion:	164	Resp:	7482
Ion	Ratio	Lower	Upper
164	100		
162	107.5	83.1	124.7
160	49.3	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.569 ng

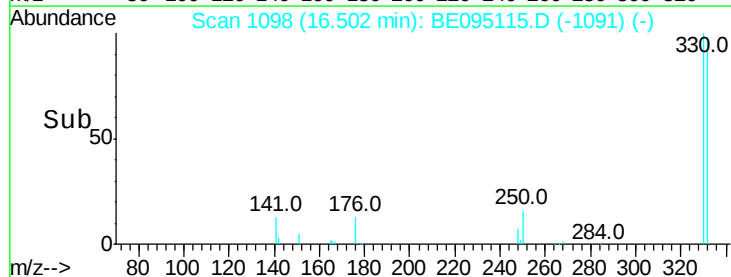
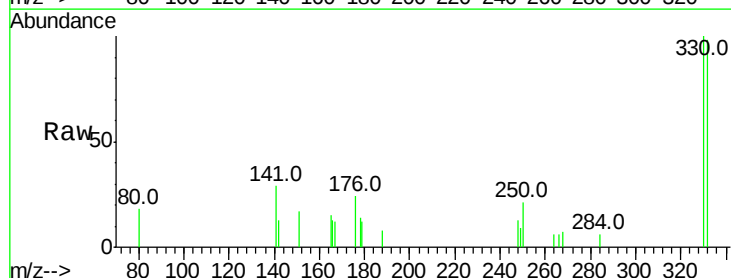
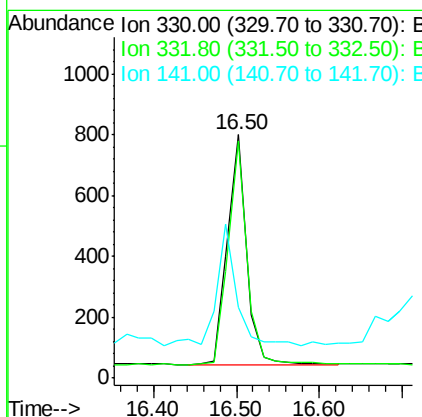
RT: 16.50 min Scan# 1098

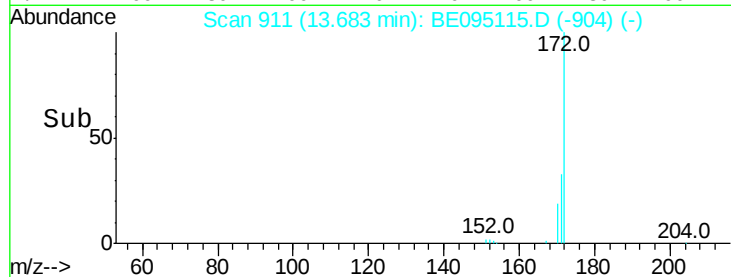
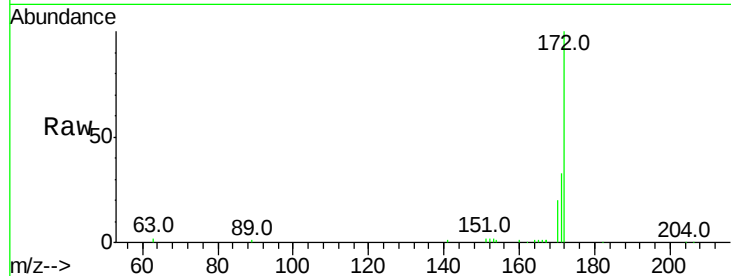
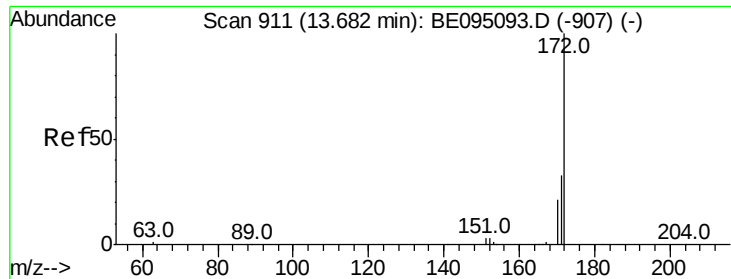
Delta R.T. 0.00 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Tgt Ion:	330	Resp:	1199
Ion	Ratio	Lower	Upper
330	100		
332	96.6	152.7	229.1#
141	55.0	33.7	50.5#





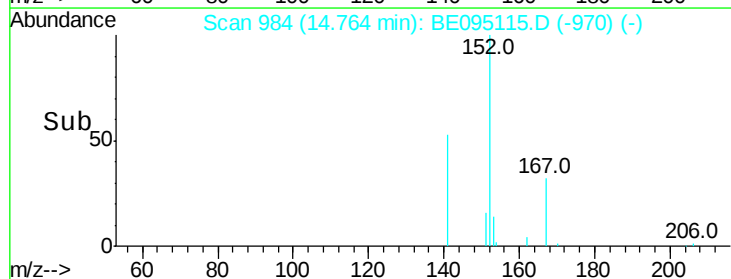
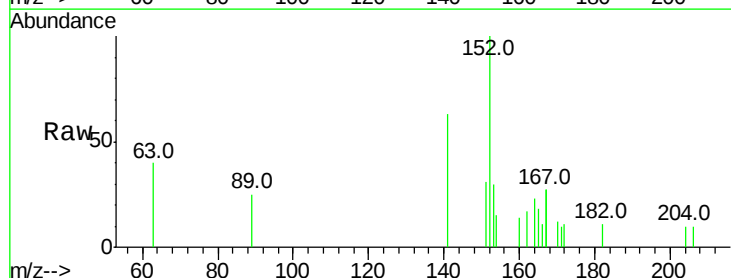
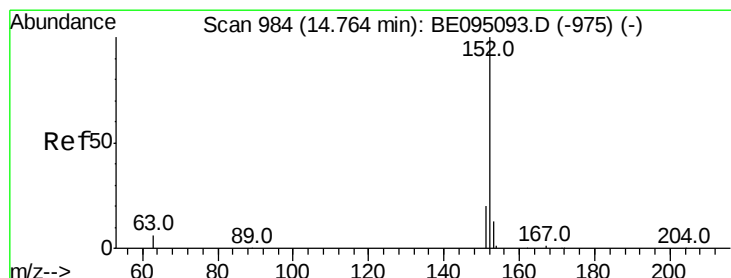
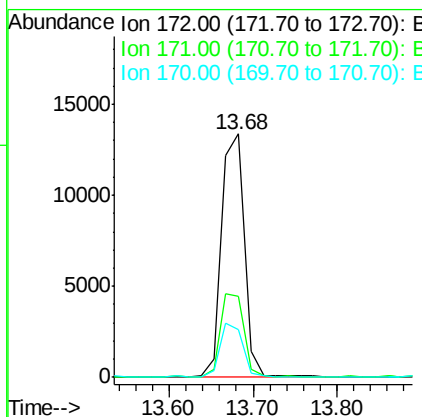
#15
2-Fluorobiphenyl
Concen: 0.756 ng
RT: 13.68 min Scan# 911
Delta R.T. 0.00 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.9	44.9
170	19.7	21.8	32.8

Instrument :
BNA_E
ClientSampleId :
TW-2DL

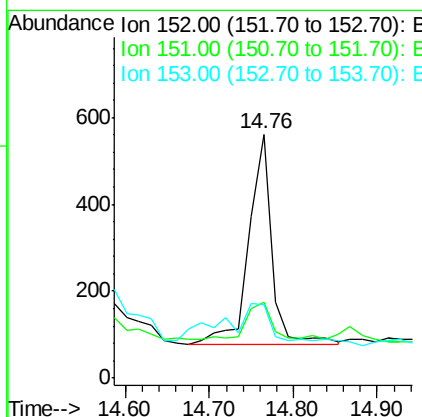
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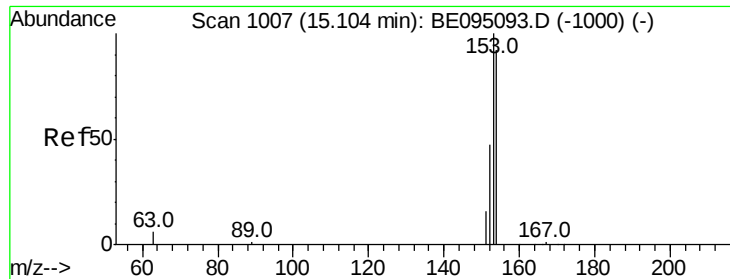
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#16
Acenaphthylene
Concen: 0.023 ng
RT: 14.76 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.7	23.5
153	48.9	10.5	15.7





#17

Acenaphthene

Concen: 0.136 ng

RT: 15.09 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Instrument :

BNA_E

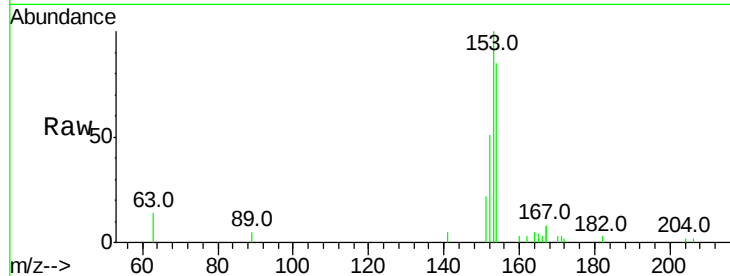
ClientSampleId :

TW-2DL

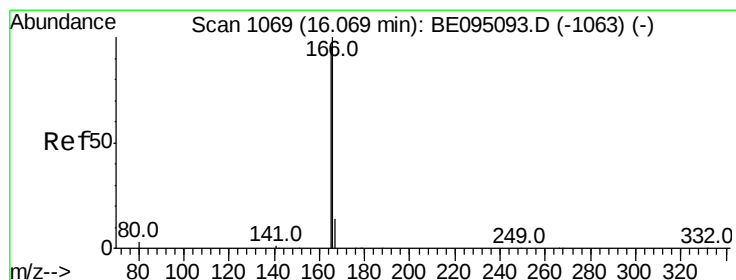
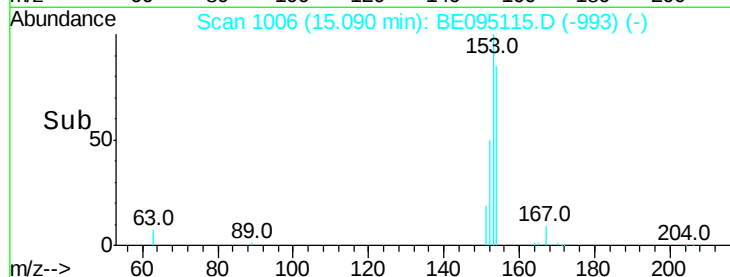
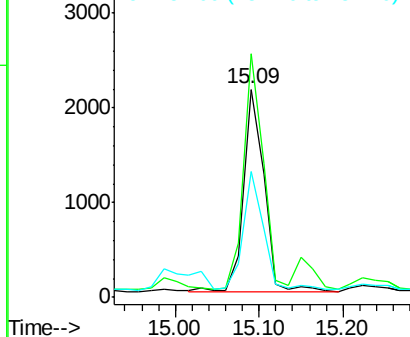
Tot Ion:	154	Resp:	3545
Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.2	133.8
152	59.1	42.0	63.0

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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: 0.212 ng

RT: 16.05 min Scan# 1068

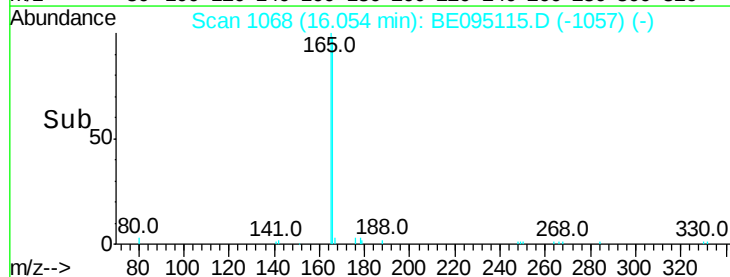
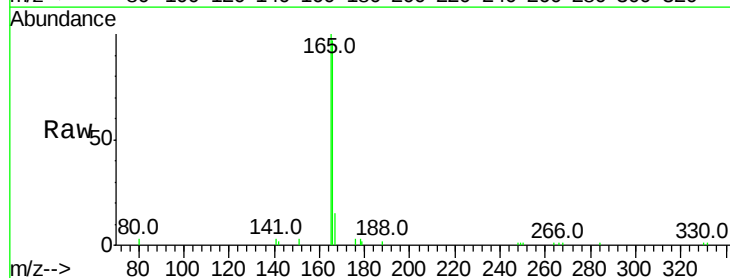
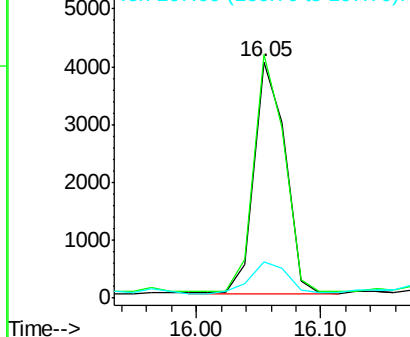
Delta R.T. -0.01 min

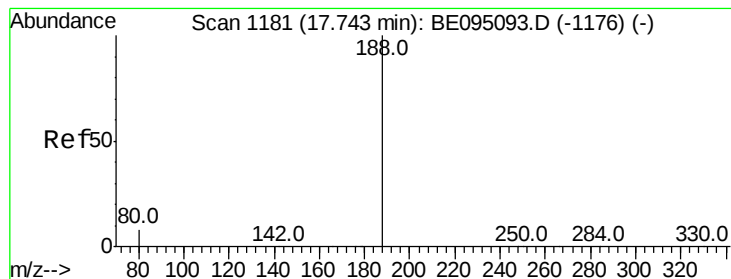
Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Tgt Ion:	166	Resp:	6910
Ion	Ratio	Lower	Upper
166	100		
165	100.3	77.8	116.6
167	17.6	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: BE095115.D

Acq: 25 Jan 2018 14:15

Instrument :

BNA_E

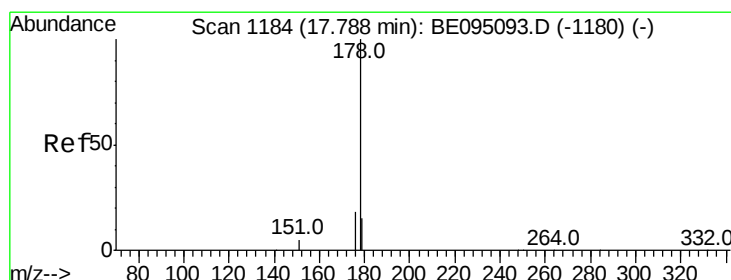
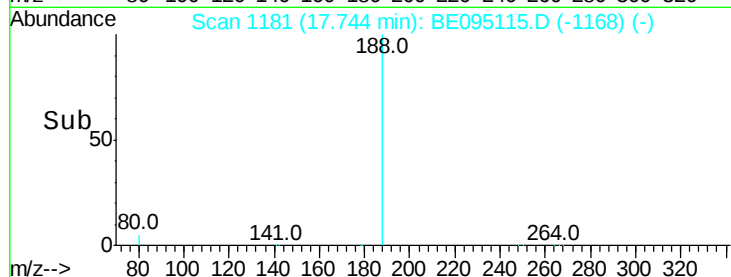
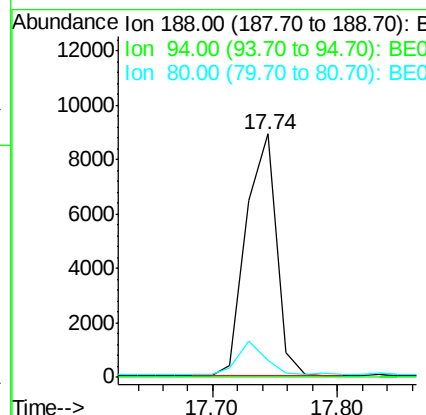
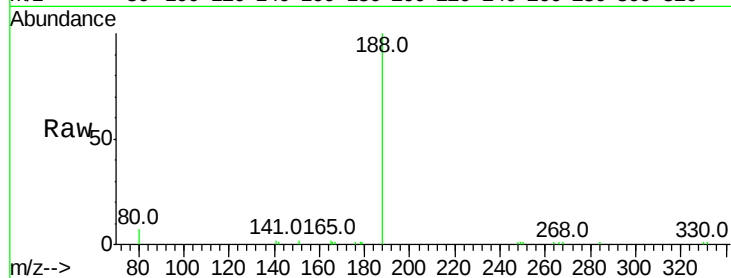
ClientSampleId :

TW-2DL

Tot Ion:	188	Resp:	14963
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	6.9	3.6	5.4#

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#23

Phenanthrene

Concen: 0.862 ng

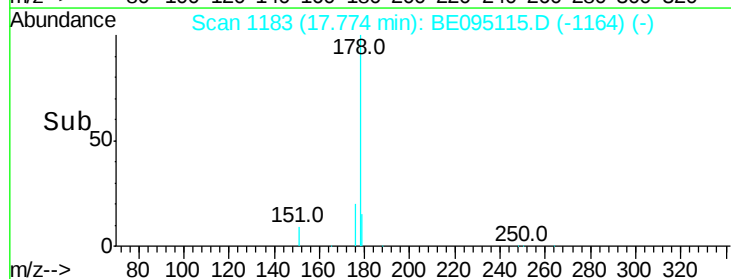
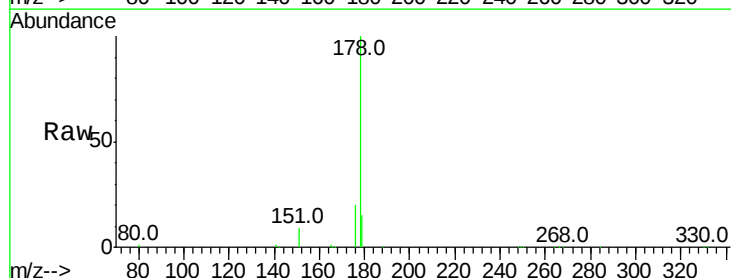
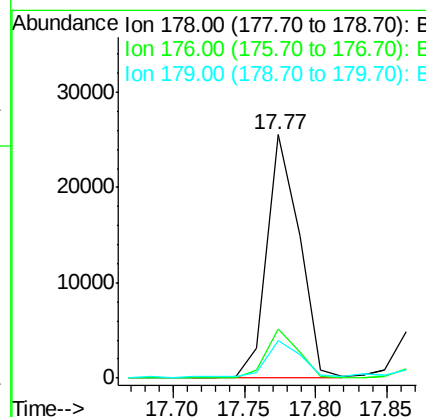
RT: 17.77 min Scan# 1183

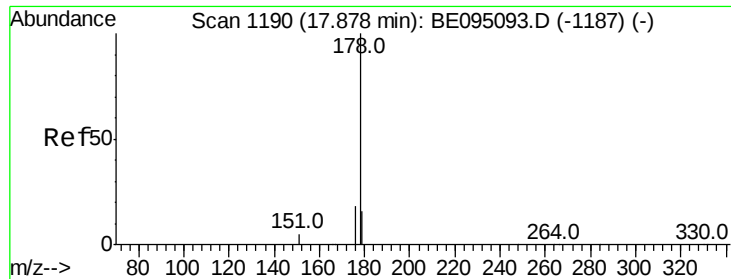
Delta R.T. -0.01 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Tgt Ion:	178	Resp:	39840
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.1	22.7
179	15.6	11.8	17.6





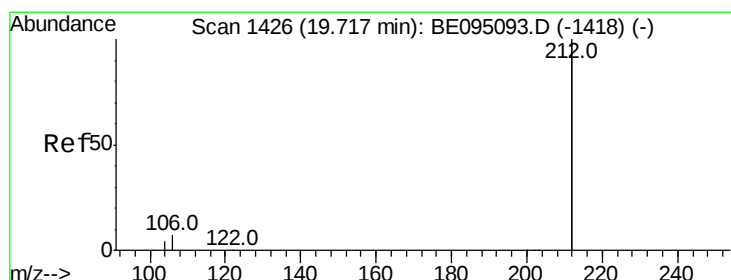
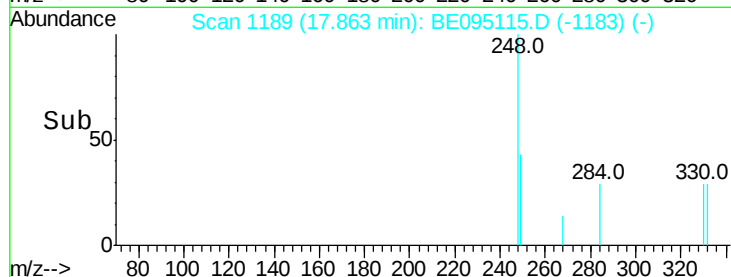
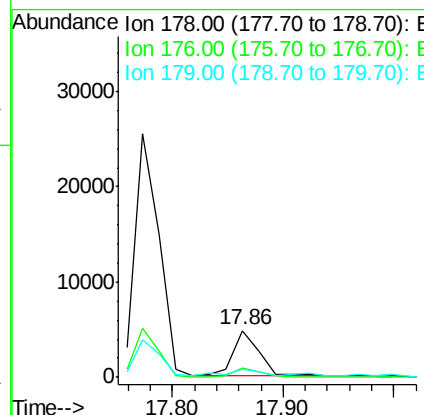
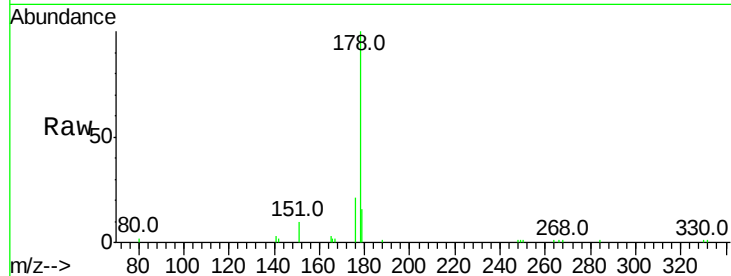
#24
 Anthracene
 Concen: 0.186 ng
 RT: 17.86 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BE095115.D
 Acq: 25 Jan 2018 14:15

Instrument :
 BNA_E
 ClientSampleId :
 TW-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	12.8	19.2
179	16.5	13.0	19.6

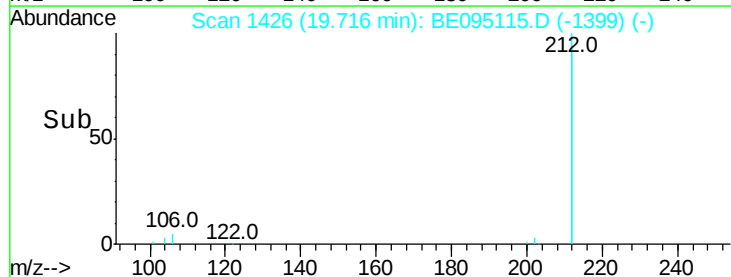
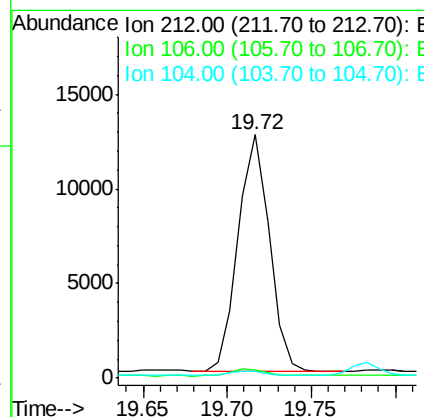
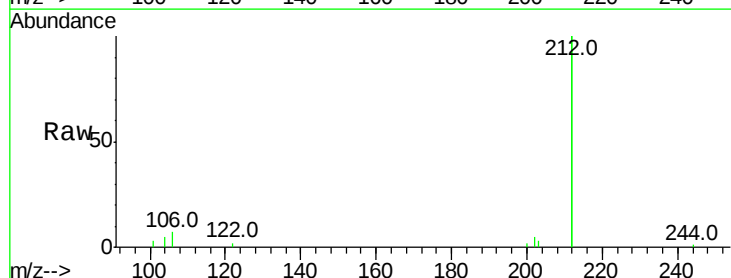
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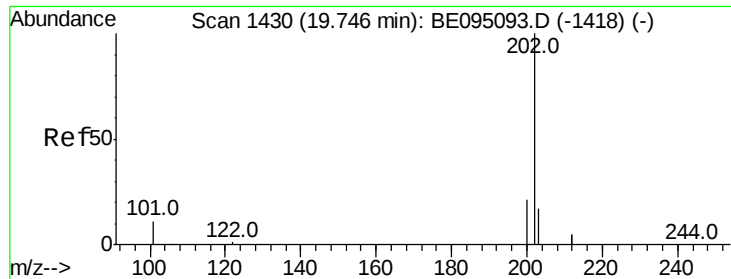
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#25
 Fluoranthene-d10
 Concen: 0.086 ng
 RT: 19.72 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BE095115.D
 Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	2.1	1.6	2.4





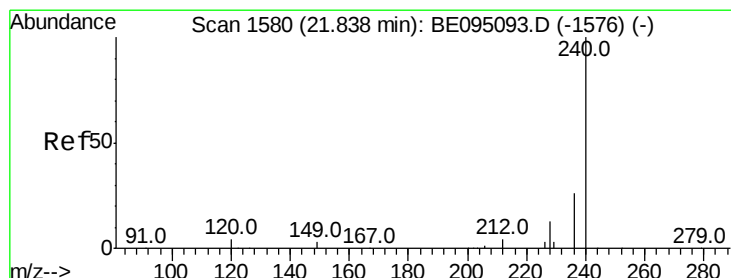
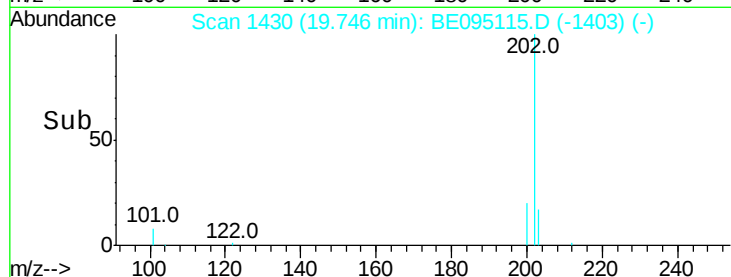
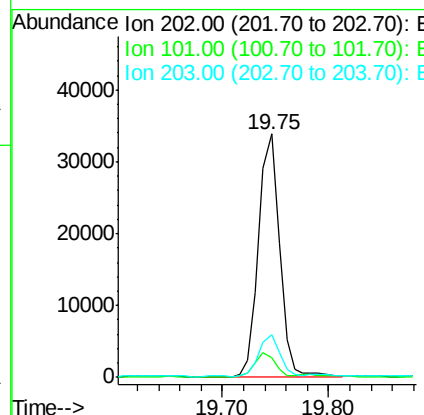
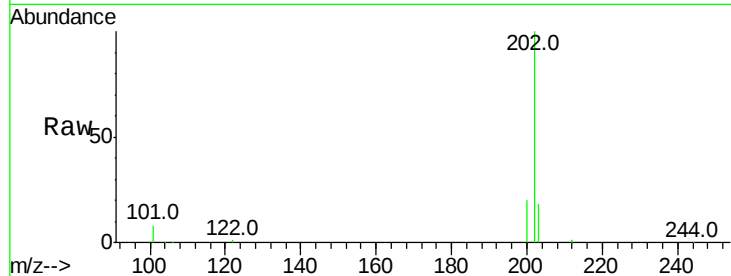
#26
 Fluoranthene
 Concen: 0.829 ng
 RT: 19.75 min Scan# 1430
 Delta R.T. -0.00 min
 Lab File: BE095115.D
 Acq: 25 Jan 2018 14:15

Instrument :
 BNA_E
 ClientSampleId :
 TW-2DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	9.8	14.8#
203	16.9	13.7	20.5

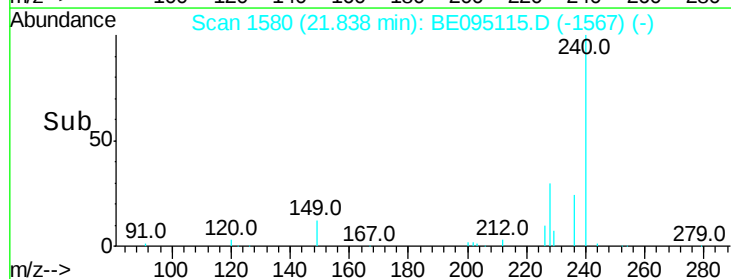
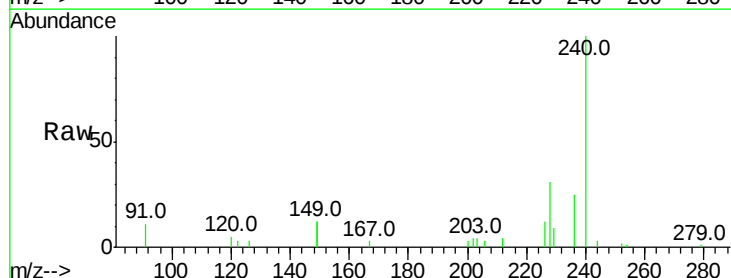
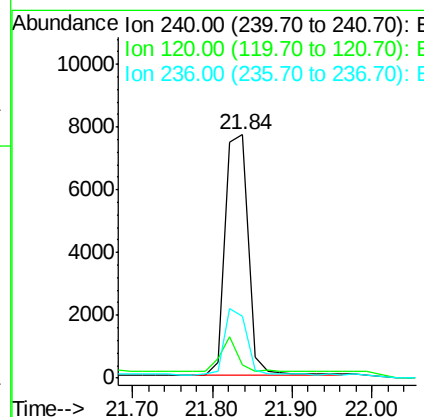
Manual Integrations
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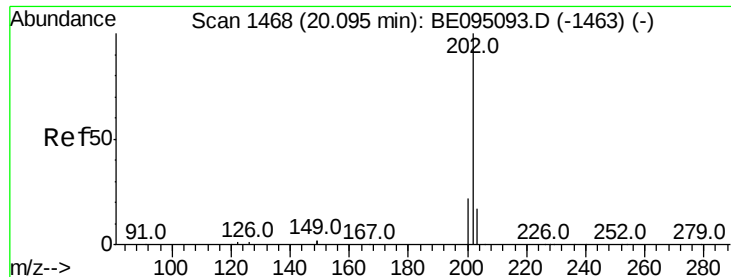
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.84 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BE095115.D
 Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.4	5.5	8.3#
236	25.3	20.7	31.1





#28

Pvrene

Concen: 0.704 ng

RT: 20.09 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Instrument :

BNA_E

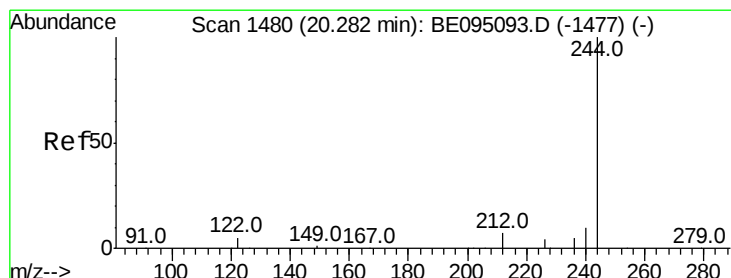
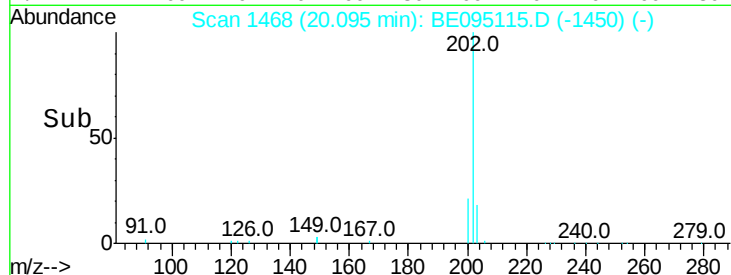
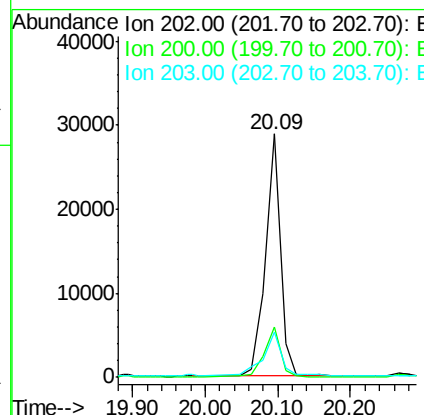
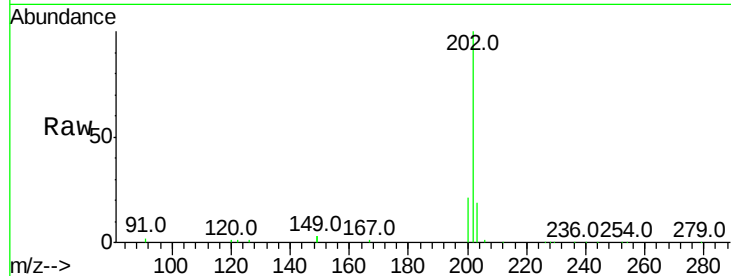
ClientSampleId :

TW-2DL

Tot Ion:	202	Resp:	45376
Ion Ratio	Lower	Upper	
202	100		
200	19.1	16.6	25.0
203	24.6	13.8	20.8

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#29

Terphenyl-d14

Concen: 4.670 ng

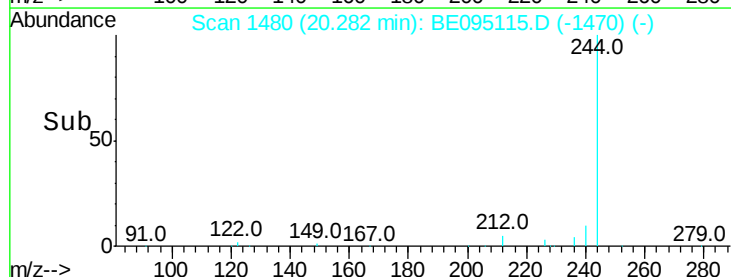
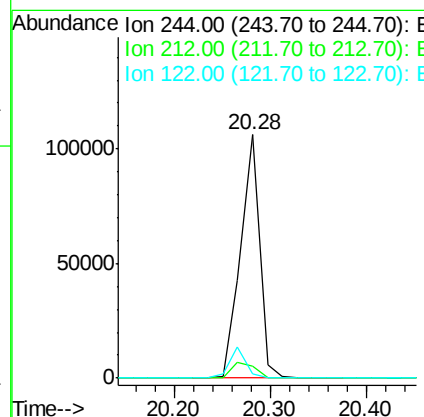
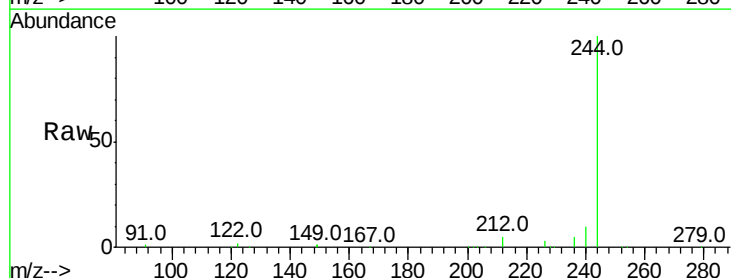
RT: 20.28 min Scan# 1480

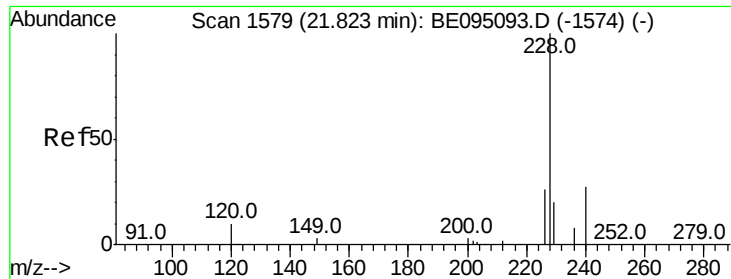
Delta R.T. -0.00 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Tgt Ion:	244	Resp:	145730
Ion Ratio	Lower	Upper	
244	100		
212	5.1	25.4	38.0
122	2.0	8.1	12.1





#30

Benzo(a)anthracene

Concen: 0.394 ng

RT: 21.81 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Instrument :

BNA_E

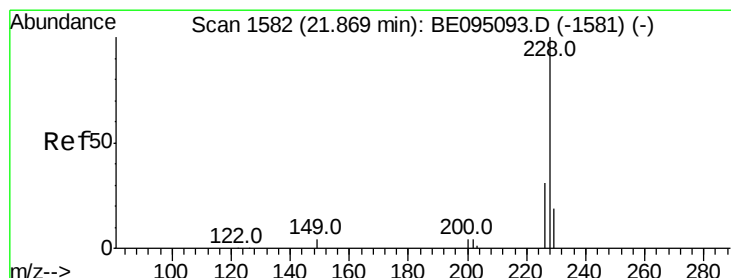
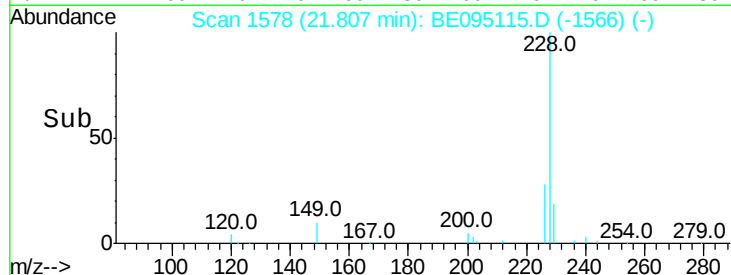
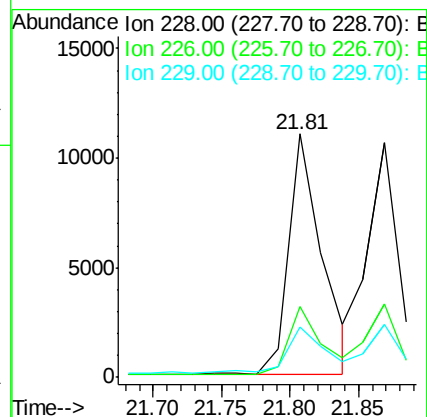
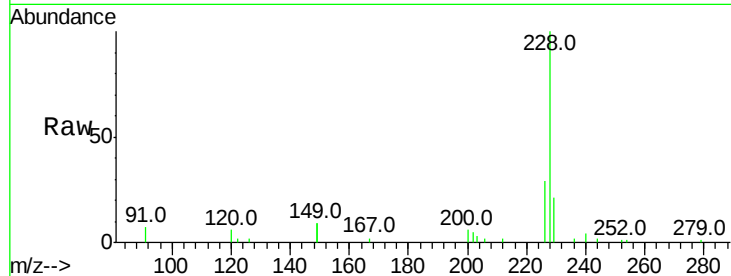
ClientSampled :

TW-2DL

Tot Ion:	228	Resp:	18779
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.0	36.0
229	20.8	16.0	24.0

Manual Integrations
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#31

Chrysene

Concen: 0.335 ng

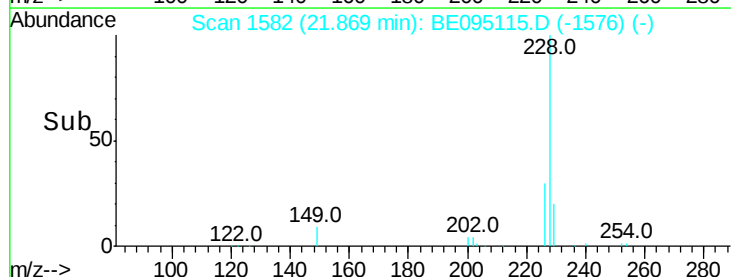
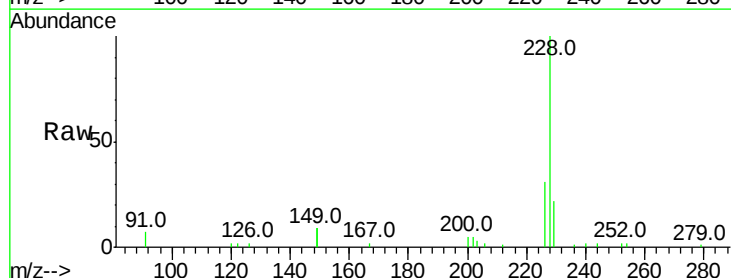
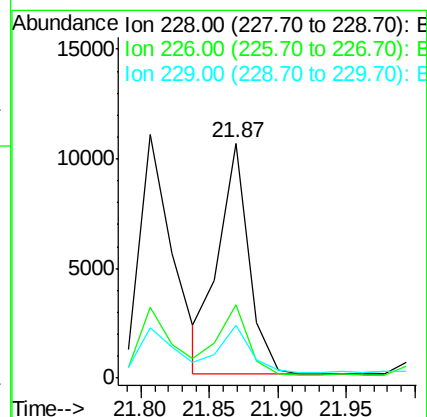
RT: 21.87 min Scan# 1582

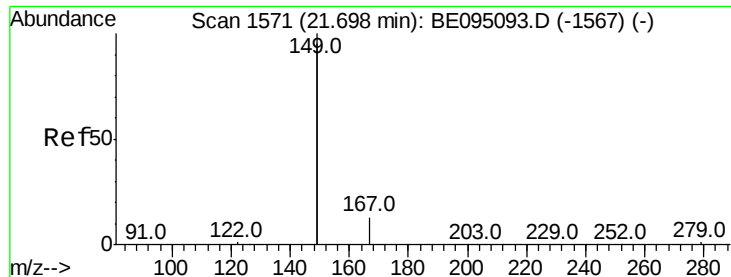
Delta R.T. -0.00 min

Lab File: BE095115.D

Acq: 25 Jan 2018 14:15

Tgt Ion:	228	Resp:	16148
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.0	36.0
229	22.3	16.0	24.0





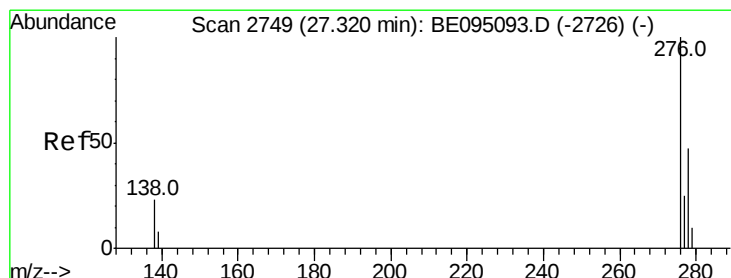
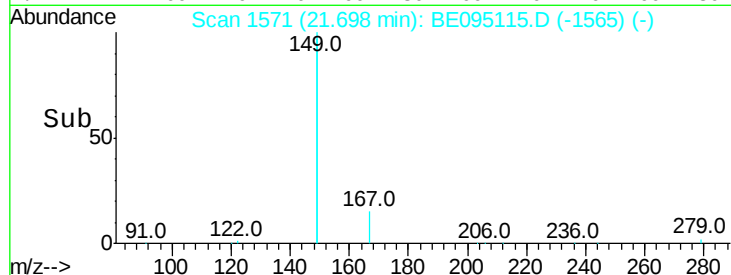
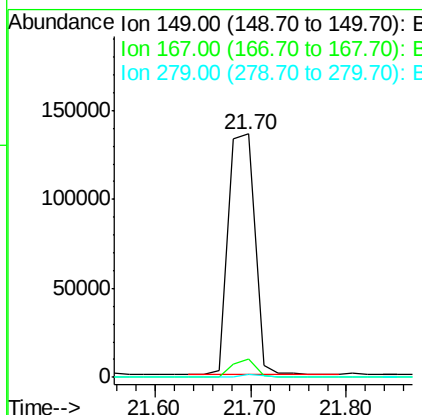
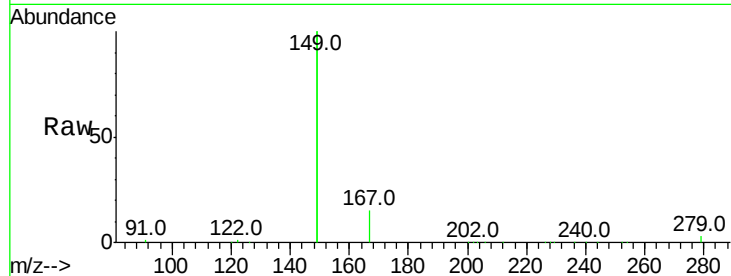
#32
Bis(2-ethylhexyl)phthalate
Concen: 3.885 ng
RT: 21.70 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Instrument :
BNA_E
ClientSampleId :
TW-2DL

Tot Ion	Ratio	Resp	Lower	Upper
149	100	257662		
167	6.7		5.4	8.0
279	0.9		0.7	1.1

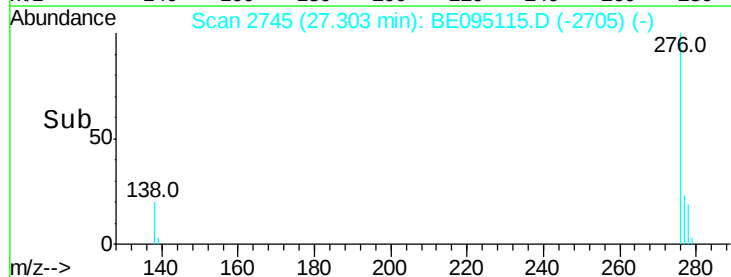
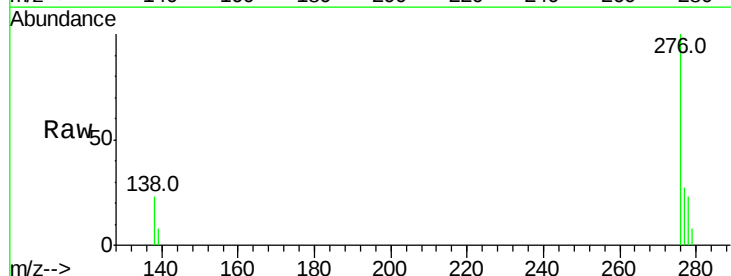
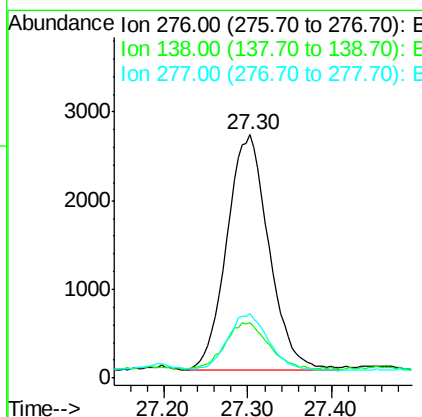
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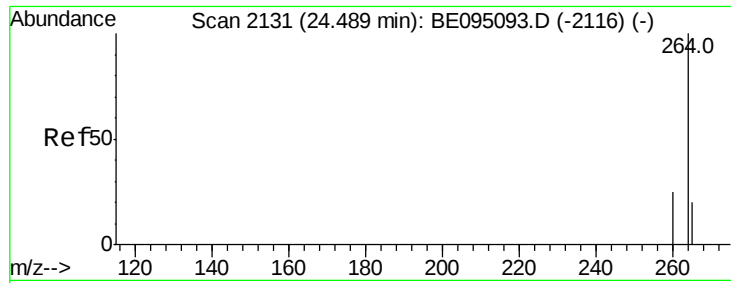
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.208 ng
RT: 27.30 min Scan# 2745
Delta R.T. -0.02 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	9136		
138	20.0		22.5	33.7#
277	23.5		19.9	29.9





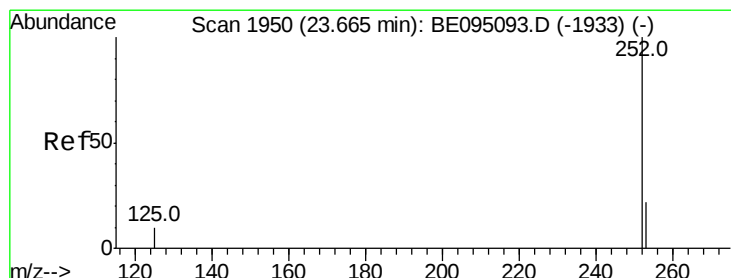
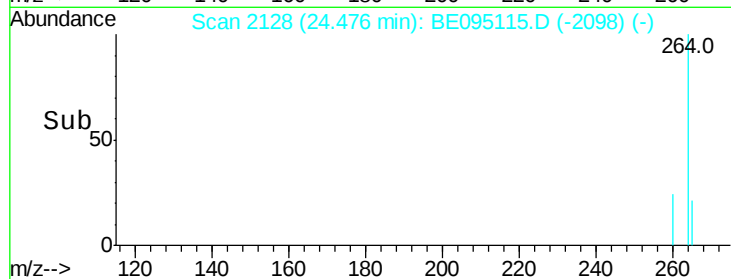
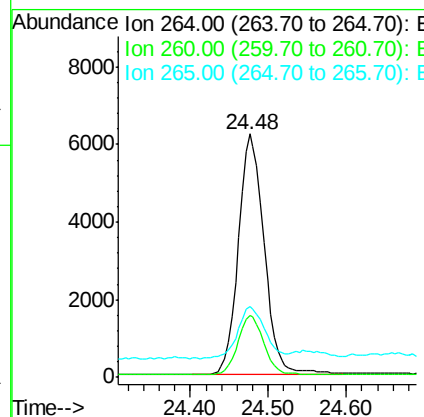
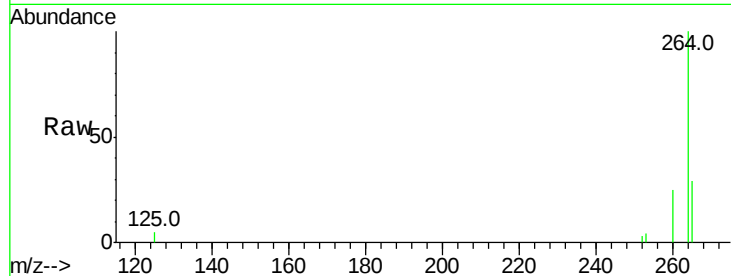
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.48 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BE095115.D
 Acq: 25 Jan 2018 14:15

Instrument :
 BNA_E
 ClientSampleId :
 TW-2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.5	30.7
265	28.9	22.8	34.2

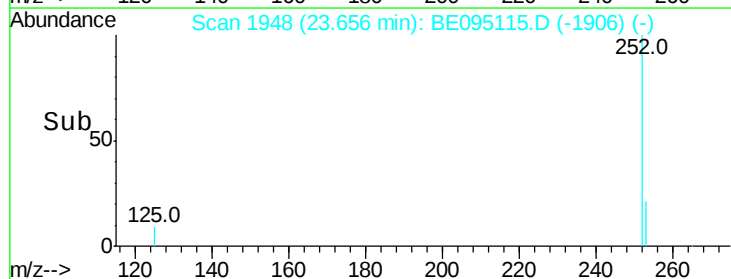
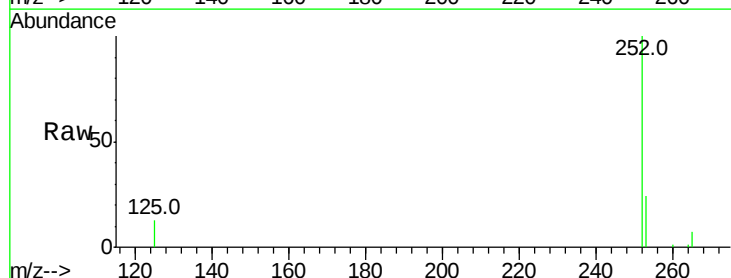
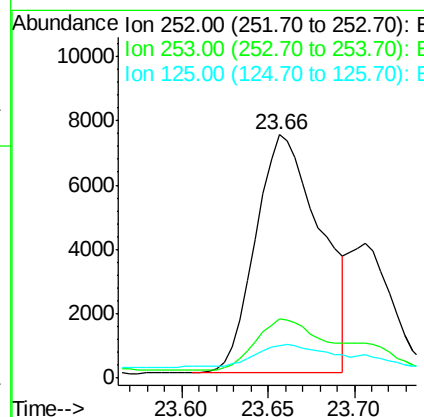
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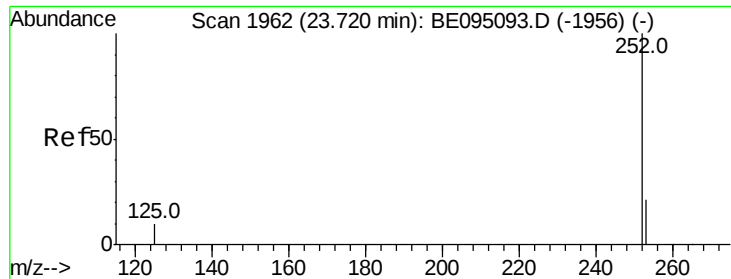
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#35
 Benzo(b)fluoranthene
 Concen: 0.384 ng
 RT: 23.66 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BE095115.D
 Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.0	30.0
125	13.1	16.0	24.0





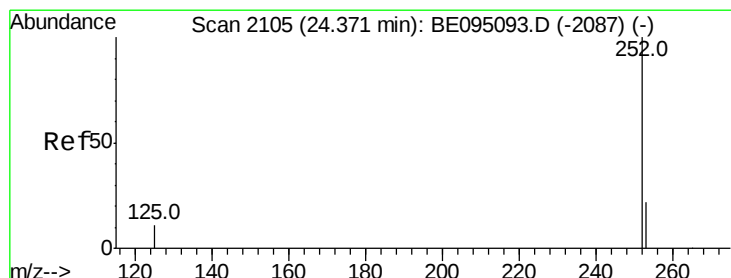
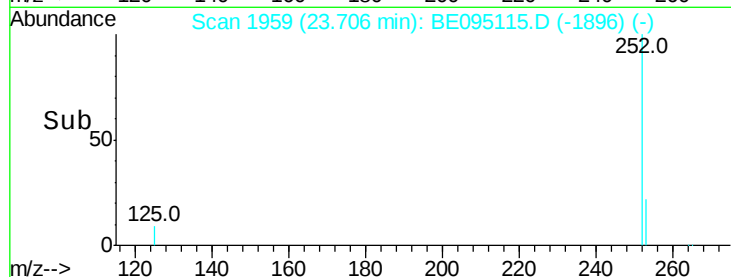
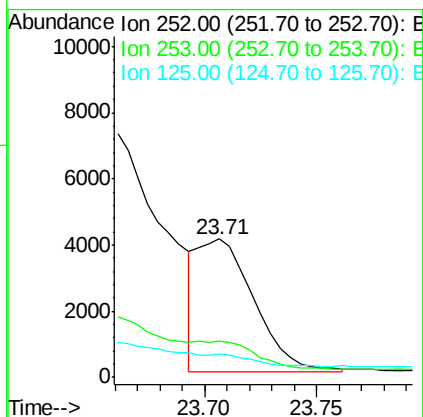
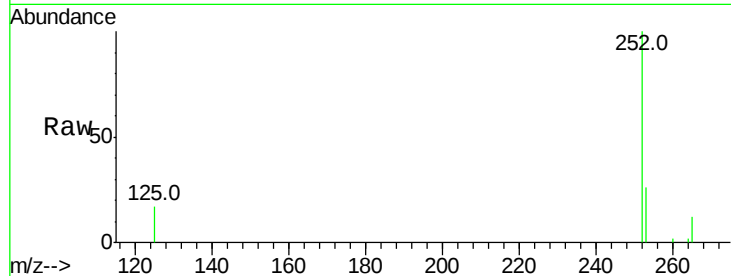
#36
Benzo(k)fluoranthene
Concen: 0.138 ng m
RT: 23.71 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Instrument :
BNA_E
ClientSampled :
TW-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	16.0	24.0#
125	17.3	8.0	12.0#

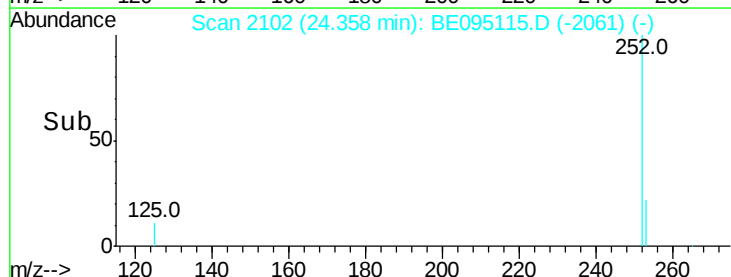
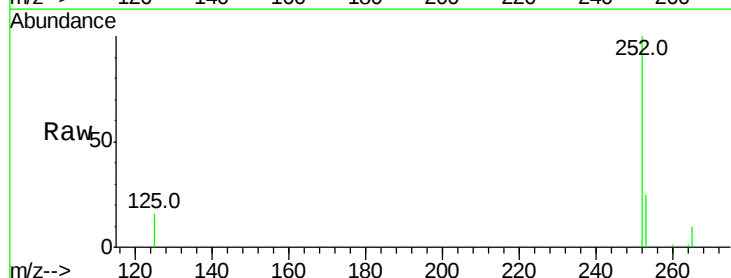
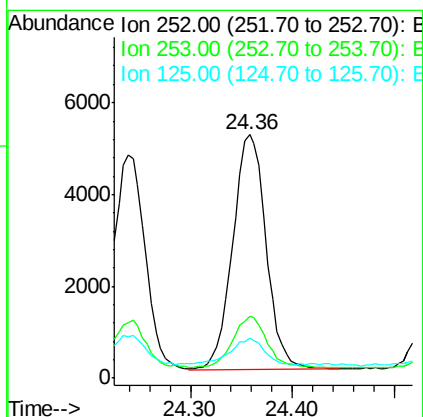
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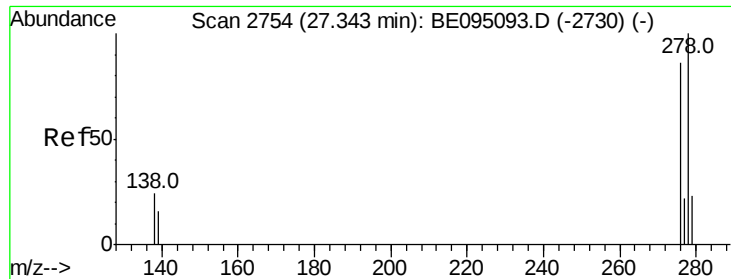
Sohil
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#37
Benzo(a)pyrene
Concen: 0.251 ng
RT: 24.36 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	16.0	24.0#
125	16.3	12.0	18.0





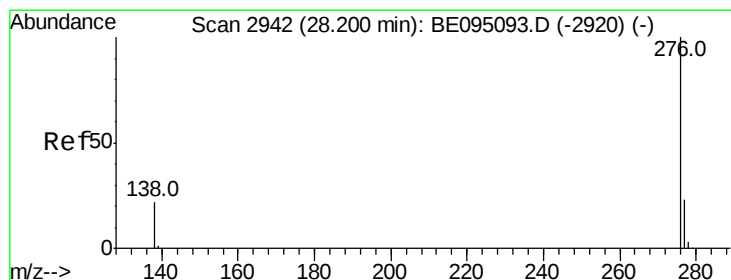
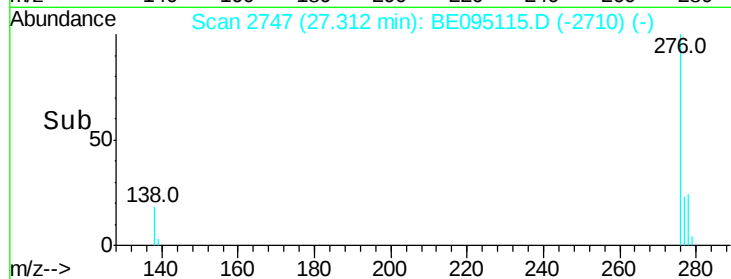
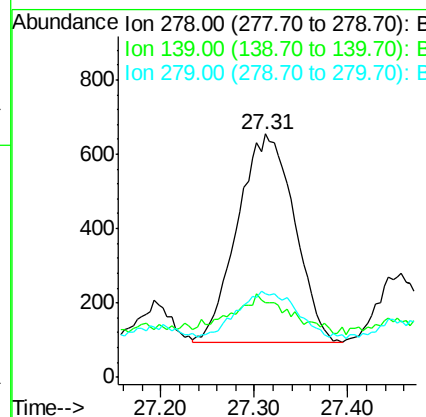
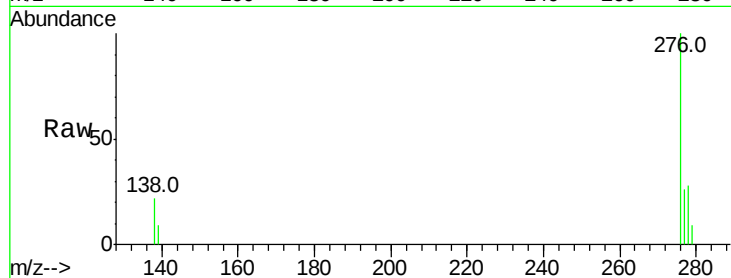
#38
Dibenzo(a,h)anthracene
Concen: 0.061 ng
RT: 27.31 min Scan# 2747
Delta R.T. -0.03 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Instrument :
BNA_E
ClientSampled :
TW-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.8	16.0	24.0#
279	34.0	20.0	30.0#

Manual Integrations
APPROVED

Sohil
1/26/2018 11:21:59 AM



#39
Benzo(g,h,i)perylene
Concen: 0.217 ng
RT: 28.18 min Scan# 2937
Delta R.T. -0.02 min
Lab File: BE095115.D
Acq: 25 Jan 2018 14:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	16.0	24.0#
138	23.1	20.0	30.0

