

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095703.D
 Acq On : 6 Mar 2018 18:35
 Operator : SJ/JU
 Sample : J1811-01 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-1_030518

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:20:09 PM

Quant Time: Mar 07 01:42:19 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1351	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5489	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3071	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7040	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7440	0.40	ng	0.00
34) Perylene-d12	24.42	264	6993	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	32	0.01	ng	0.00
5) Phenol-d6	7.56	99	36	0.01	ng	0.00
8) Nitrobenzene-d5	9.61	82	62	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.81	152	101	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	9	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	144	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	698	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	138	0.01	ng	-0.01
Target Compounds						
12) 2-Methylnaphthalene	12.88	142	486	0.045	ng	Qvalue # 89
23) Phenanthrene	17.75	178	5126	0.233	ng	99
24) Anthracene	17.84	178	596	0.029	ng	# 91
26) Fluoranthene	19.72	202	4784	0.177	ng	96
28) Pyrene	20.07	202	10356	0.340	ng	98
30) Benzo(a)anthracene	21.78	228	3513	0.145	ng	# 96
31) Chrysene	21.84	228	3942	0.163	ng	# 94
33) Indeno(1,2,3-cd)pyrene	27.23	276	1855	0.079	ng	# 91
35) Benzo(b)fluoranthene	23.61	252	3695	0.148	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	1168m	0.047	ng	
37) Benzo(a)pyrene	24.31	252	2937	0.131	ng	# 86
38) Dibenzo(a,h)anthracene	27.24	278	734	0.037	ng	# 52
39) Benzo(a,h,i)perylene	28.10	276	3058	0.143	ng	# 93

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

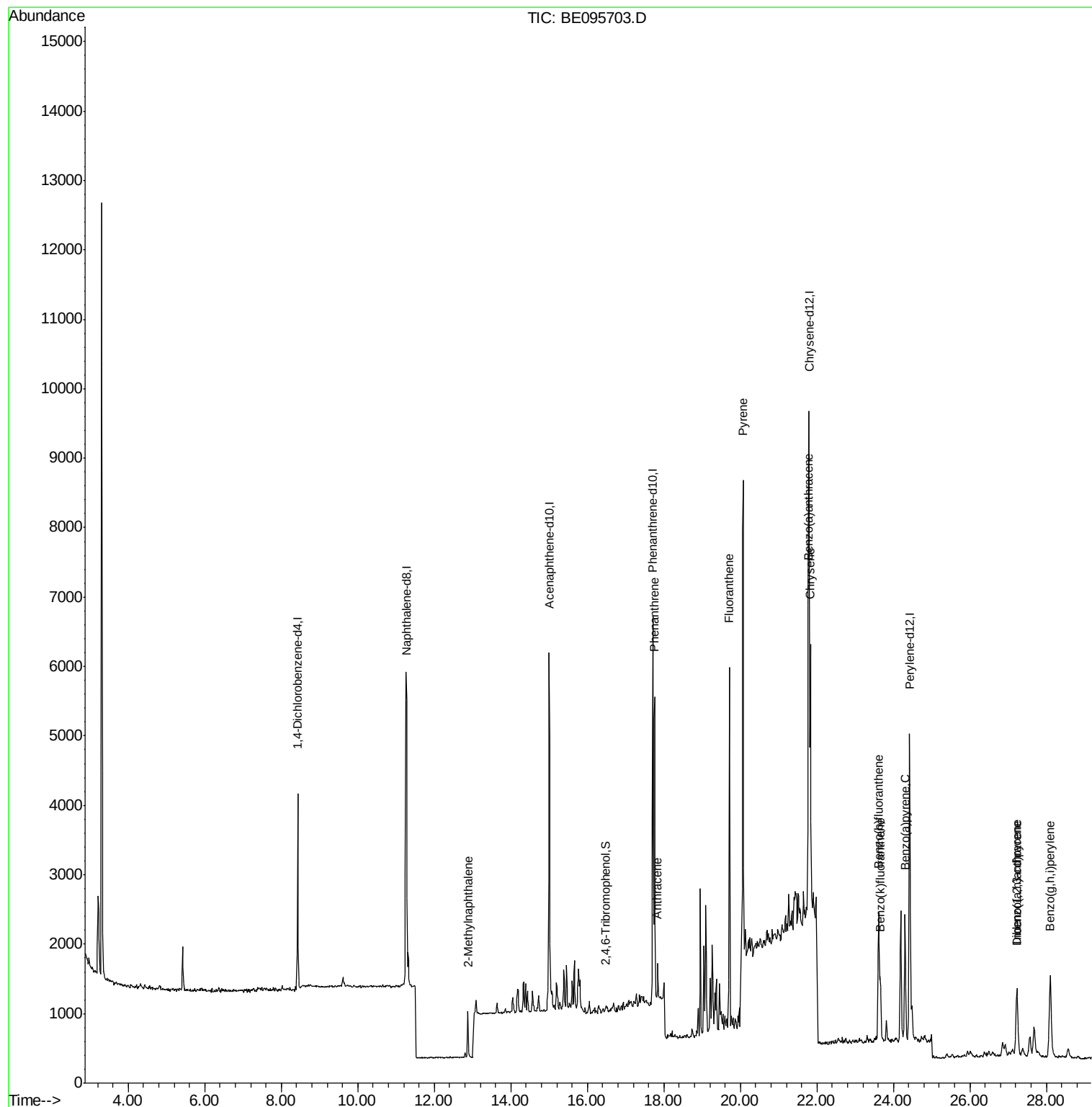
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
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ALS Vial : 5 Sample Multiplier: 1

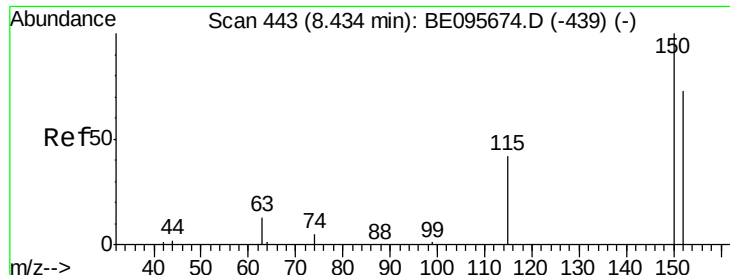
Instrument :
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T-1_030518

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Quant Time: Mar 07 01:42:19 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

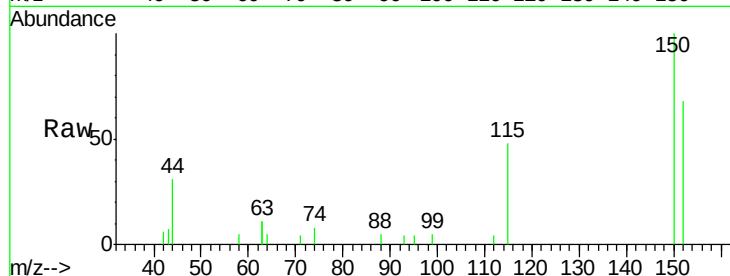
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

Instrument :
BNA_E
ClientSampleId :
T-1_030518

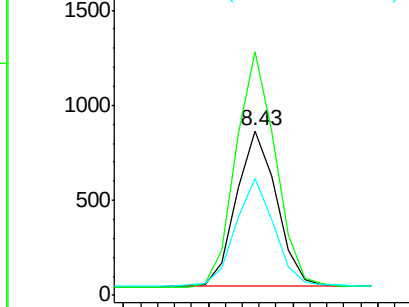
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.8	117.2	175.8
115	70.7	57.0	85.6

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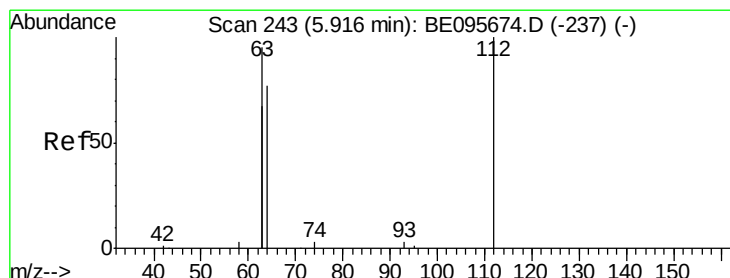
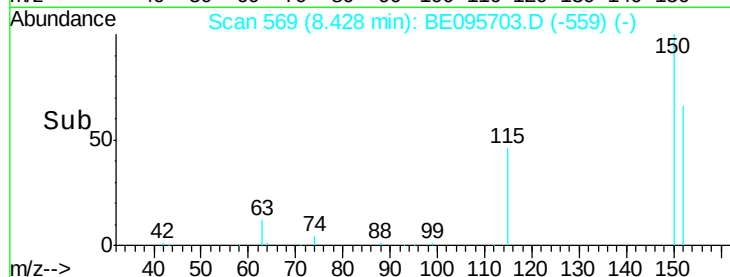
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



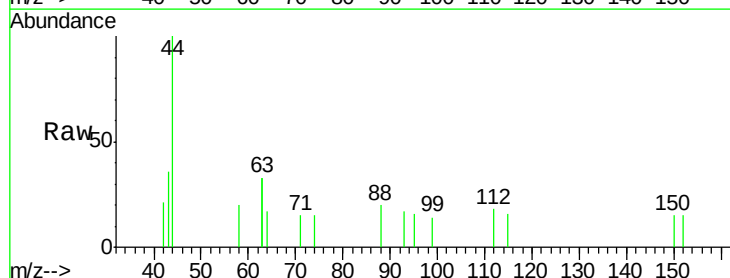
Time--> 8.35 8.40 8.45 8.50



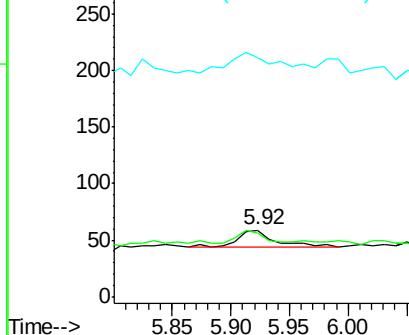
#4

2-Fluorophenol
Concen: 0.009 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

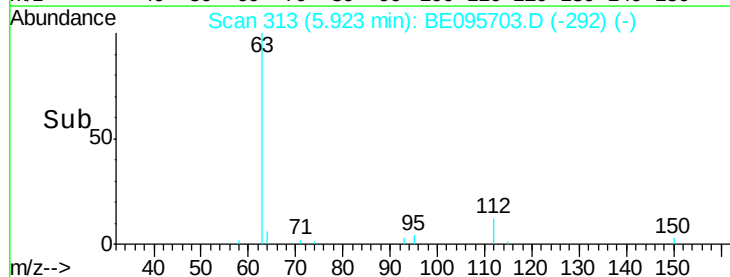
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	60.1	90.1#
63	184.4	116.8	175.2#

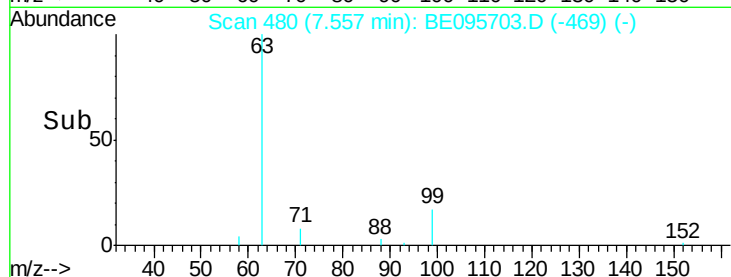
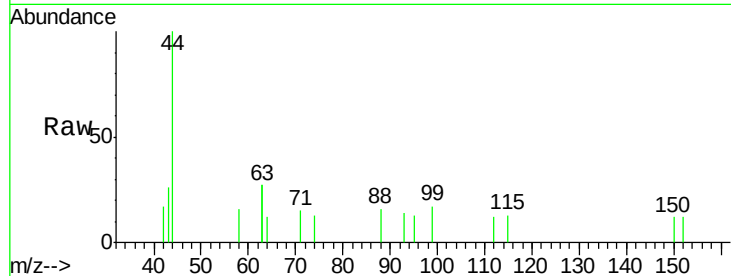
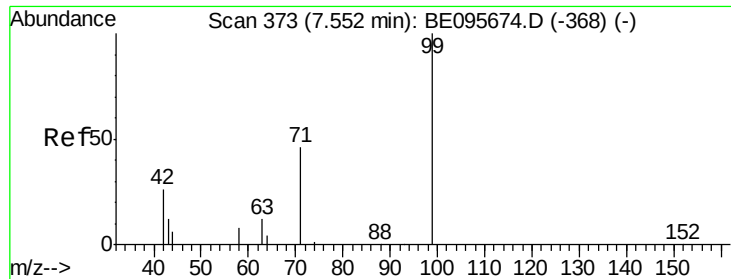


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.85 5.90 5.95 6.00





#5

Phenol-d6

Concen: 0.007 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Tot Ion:	99	Resp:	36
Ion	Ratio	Lower	Upper
99	100		
42	25.0	20.2	30.2
71	102.8	28.4	42.6#

Instrument :

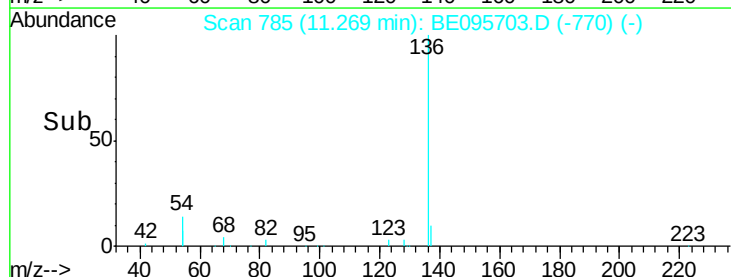
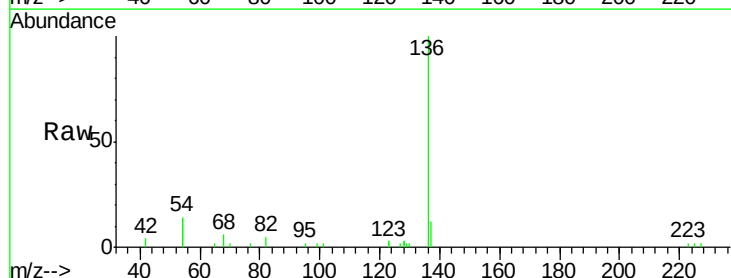
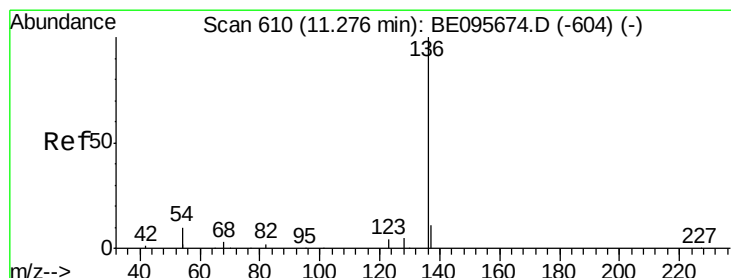
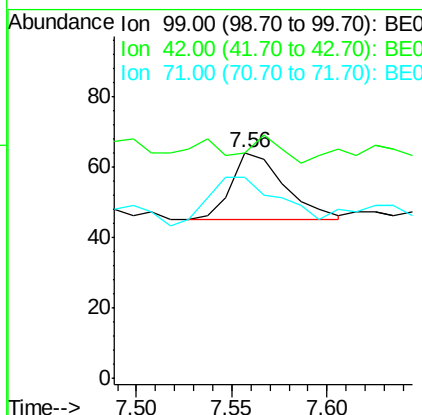
BNA_E

ClientSampled :

T-1_030518

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#7

Naphthalene-d8

Concen: 0.400 ng

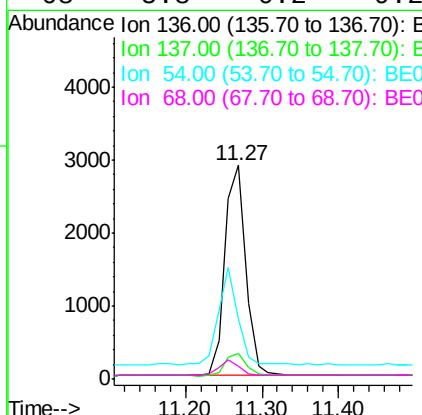
RT: 11.27 min Scan# 785

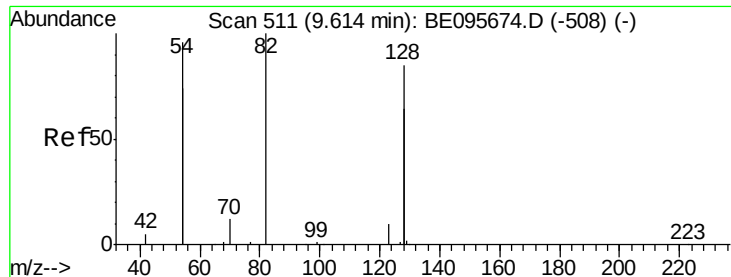
Delta R.T. -0.01 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Tgt Ion:	136	Resp:	5489
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	28.4	29.1	43.7#
68	5.8	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.011 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Instrument :

BNA_E

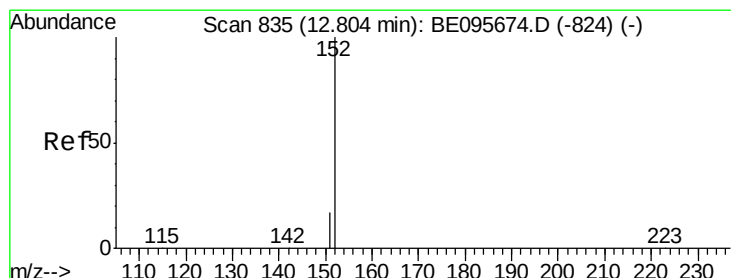
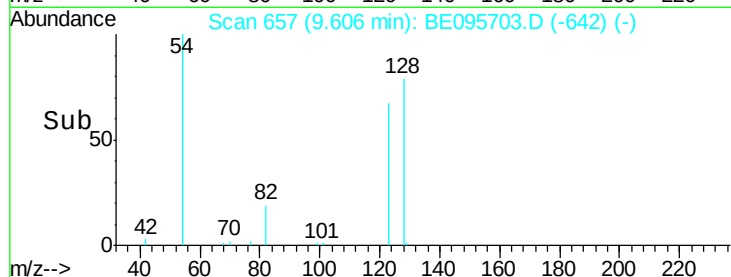
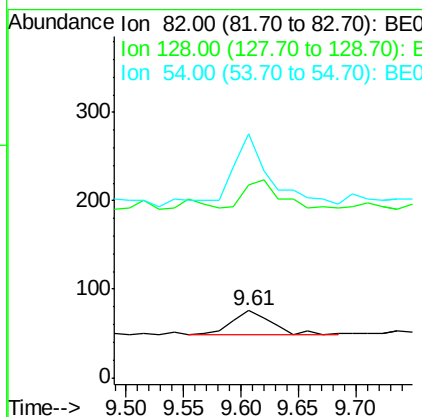
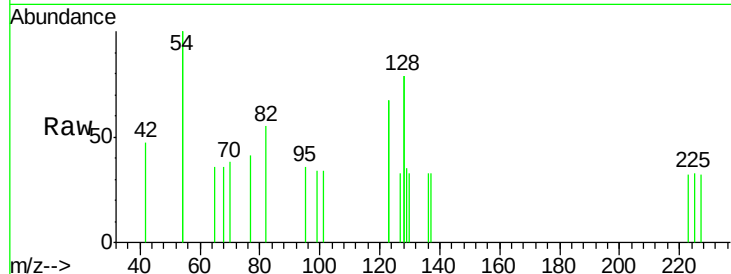
ClientSampleId :

T-1_030518

Tot Ion:	82	Resp:	62
Ion	Ratio	Lower	Upper
82	100		
128	286.8	150.0	225.0#
54	363.2	154.2	231.4#

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#11

2-Methylnaphthalene-d10

Concen: 0.011 ng

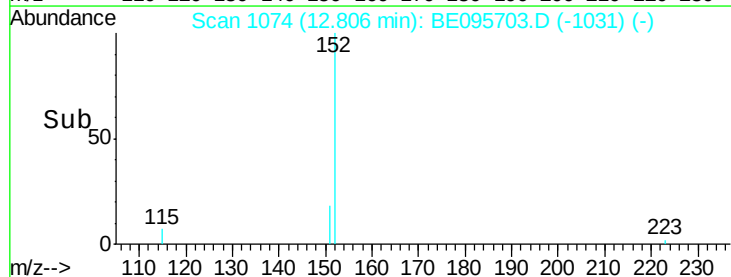
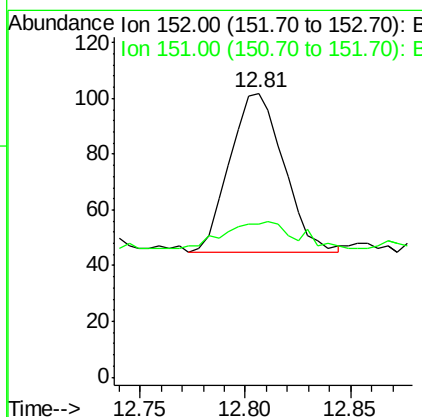
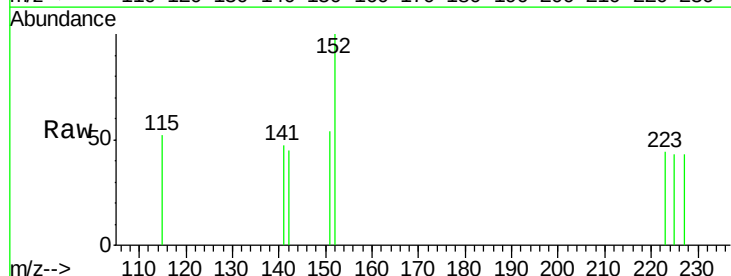
RT: 12.81 min Scan# 1074

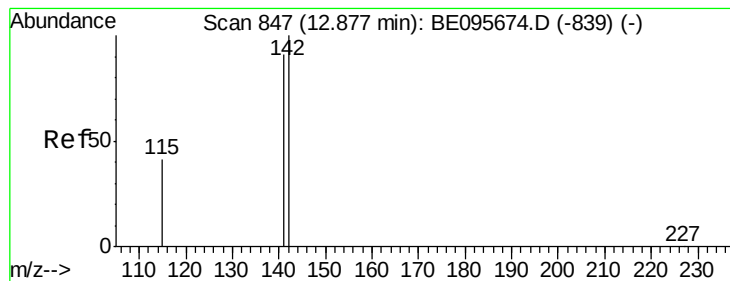
Delta R.T. 0.00 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Tgt Ion:	152	Resp:	101
Ion	Ratio	Lower	Upper
152	100		
151	22.8	15.4	23.0





#12

2-Methylnaphthalene

Concen: 0.045 ng

RT: 12.88 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Instrument :

BNA_E

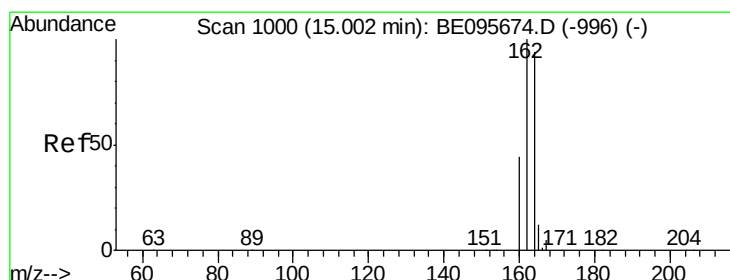
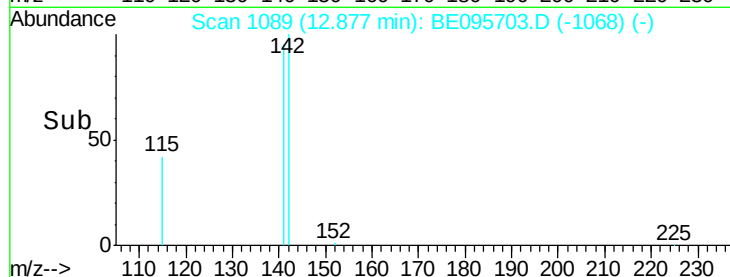
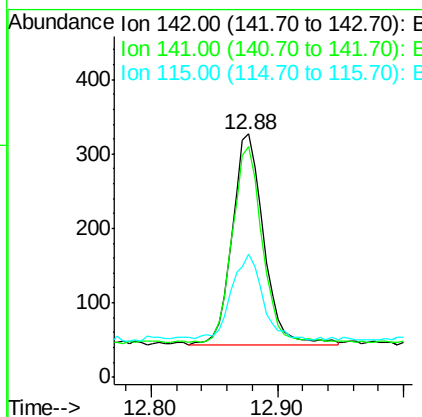
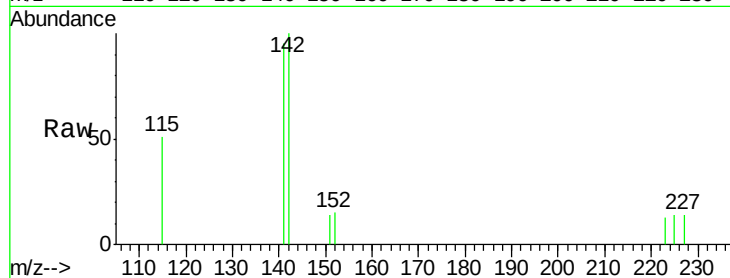
ClientSampleId :

T-1_030518

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.8	70.4	105.6
115	50.8	31.7	47.5

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#13

Acenaphthene-d10

Concen: 0.400 ng

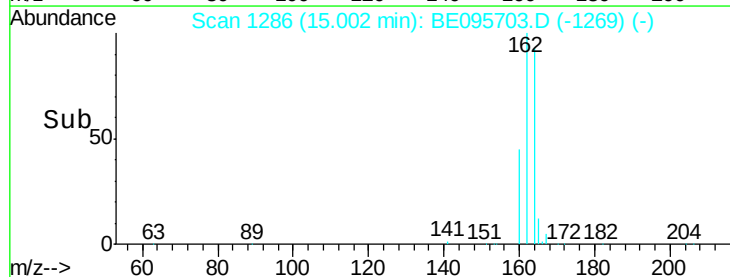
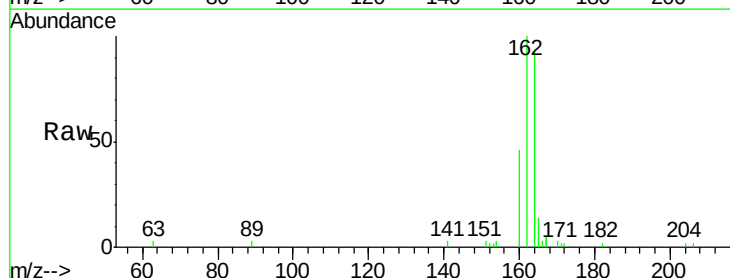
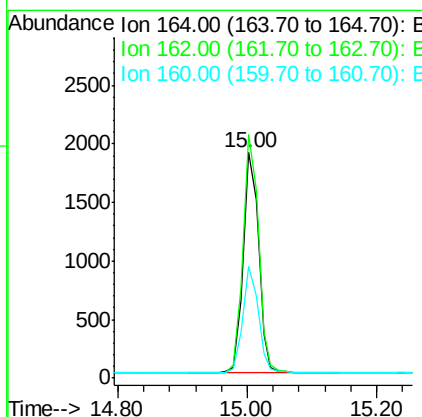
RT: 15.00 min Scan# 1286

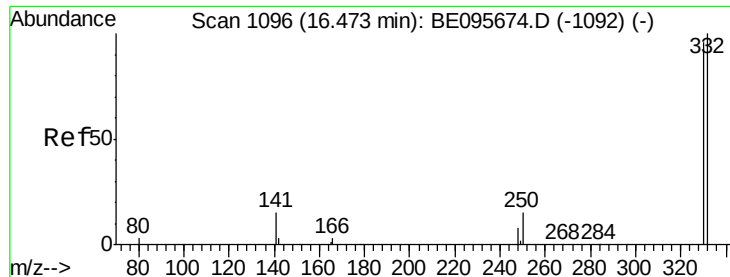
Delta R.T. -0.00 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.0	83.1	124.7
160	49.9	37.1	55.7





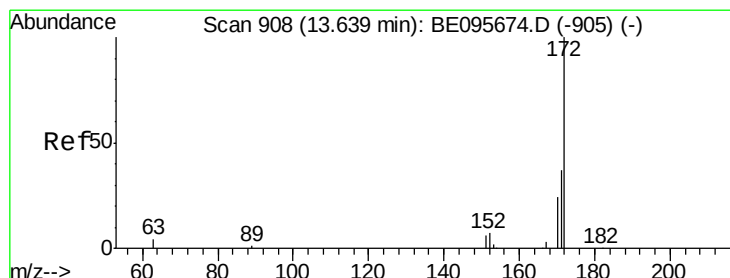
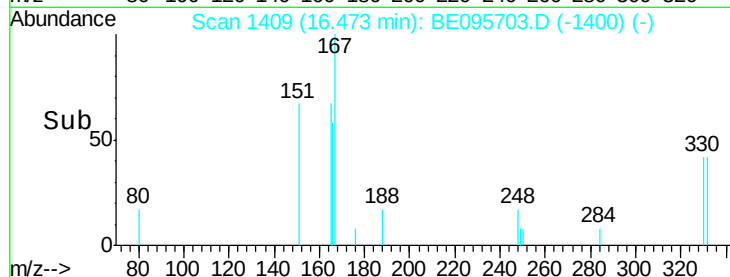
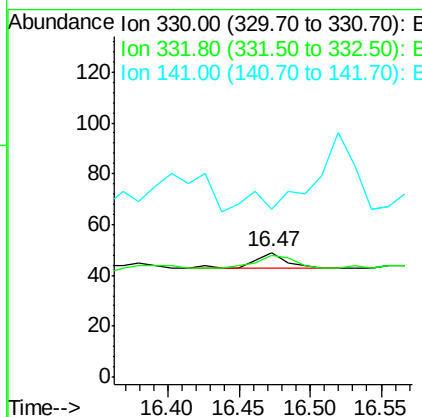
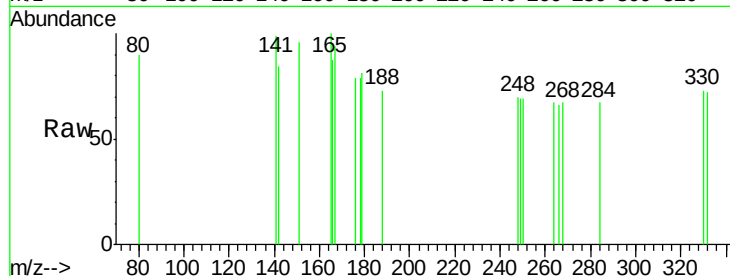
#14
 2,4,6-Tribromophenol
 Concen: 0.122 ng
 RT: 16.47 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Instrument :
 BNA_E
 ClientSampled :
 T-1_030518

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.0	152.7	229.1#
141	55.6	33.7	50.5#

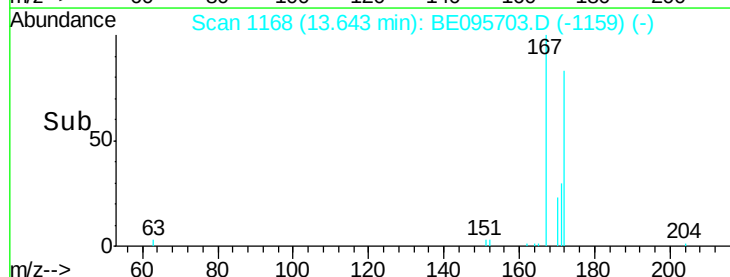
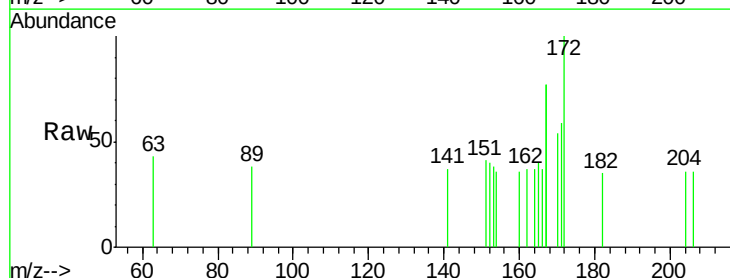
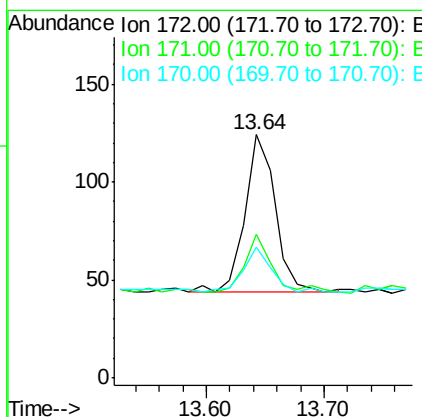
Manual Integrations
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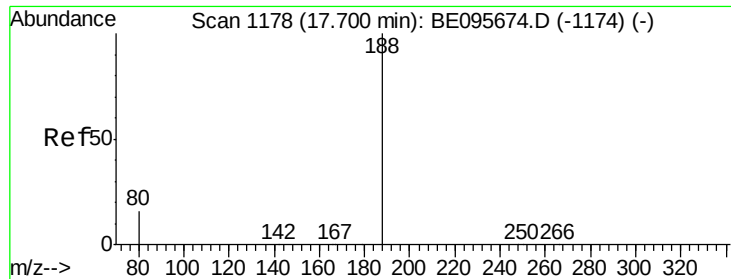
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#15
 2-Fluorobiphenyl
 Concen: 0.010 ng
 RT: 13.64 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	58.9	29.9	44.9#
170	54.0	21.8	32.8#





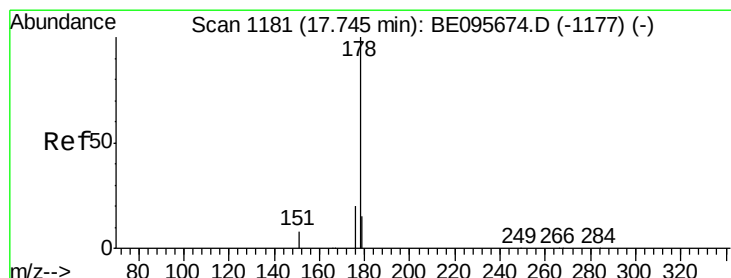
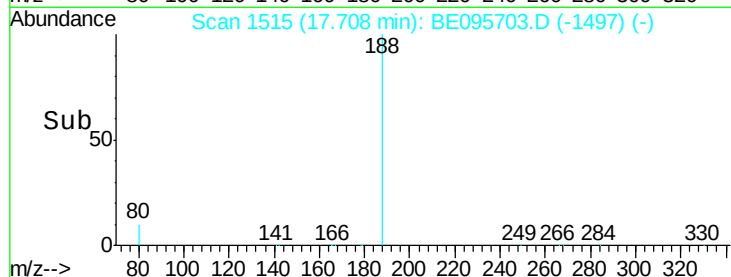
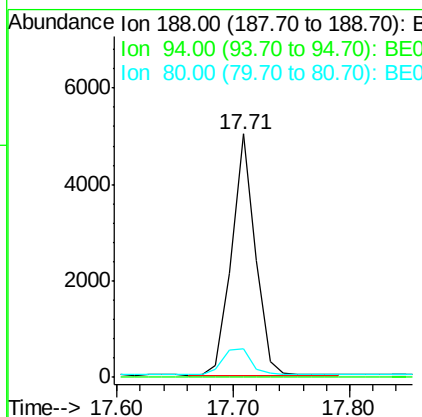
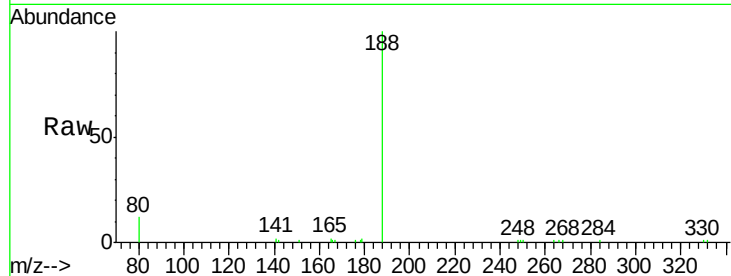
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

Instrument :
BNA_E
ClientSampleId :
T-1_030518

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.5	3.6	5.4#

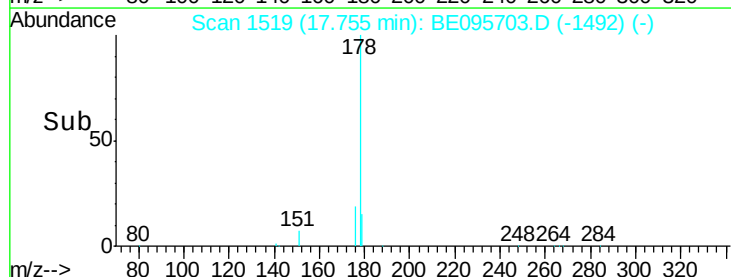
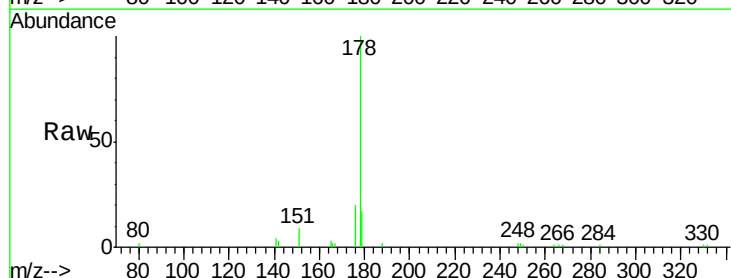
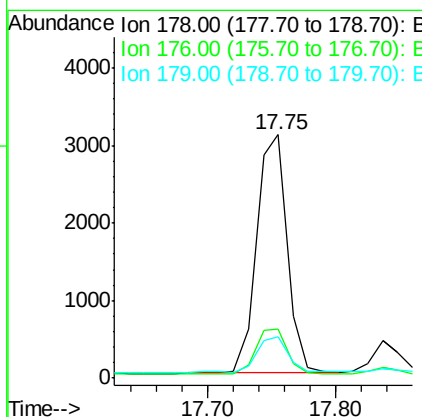
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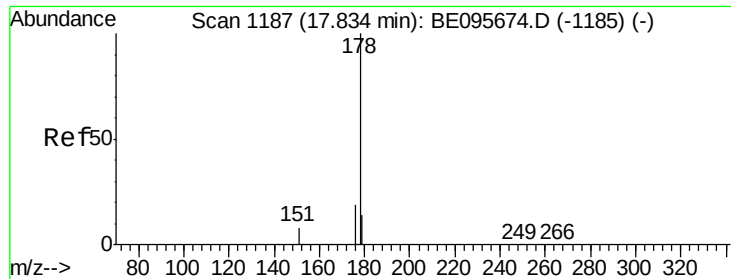
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#23
Phenanthrene
Concen: 0.233 ng
RT: 17.75 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	14.7	11.8	17.6





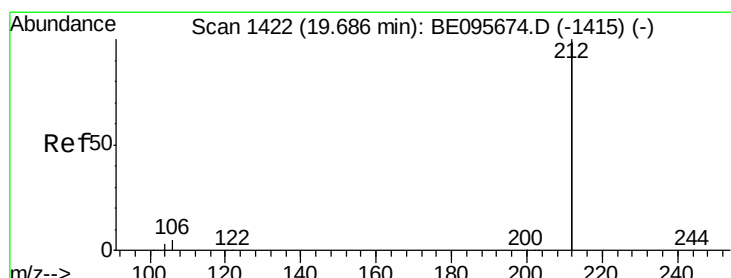
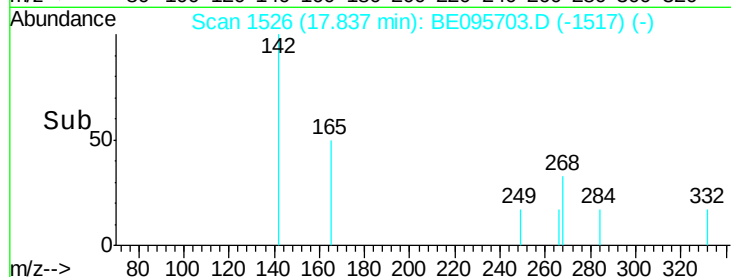
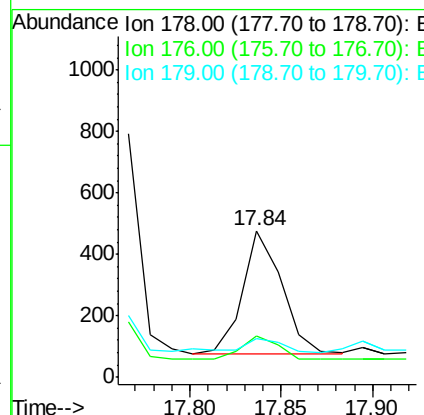
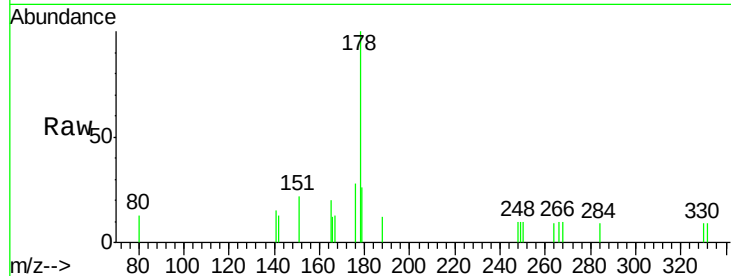
#24
 Anthracene
 Concen: 0.029 ng
 RT: 17.84 min Scan# 1526
 Delta R.T. 0.00 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Instrument :
 BNA_E
 ClientSampled :
 T-1_030518

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	12.8	19.2
179	10.7	13.0	19.6#

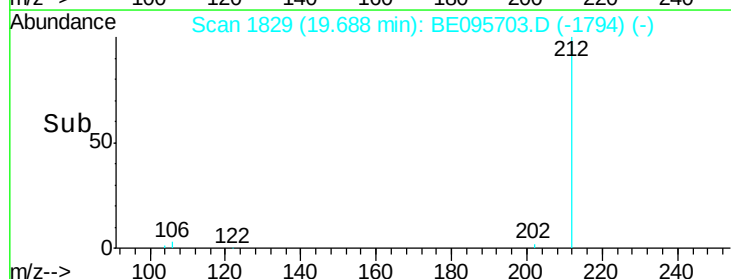
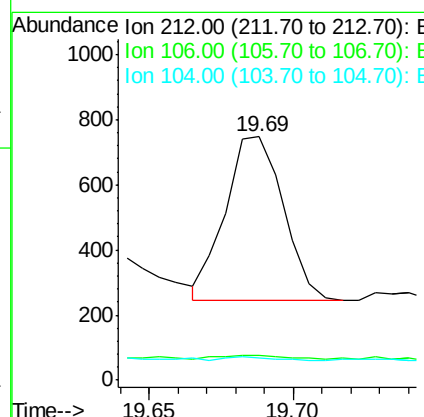
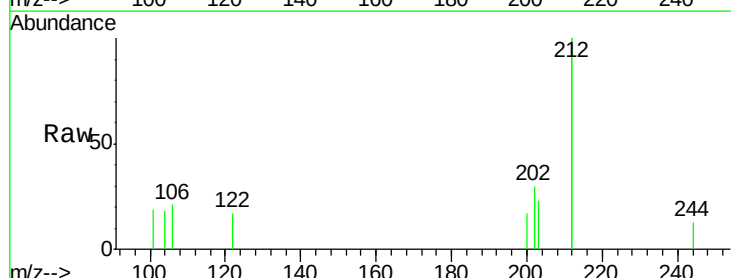
Manual Integrations
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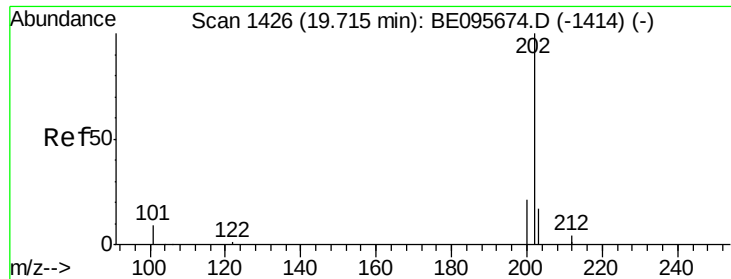
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#25
 Fluoranthene-d10
 Concen: 0.008 ng
 RT: 19.69 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.3	1.6	2.4#





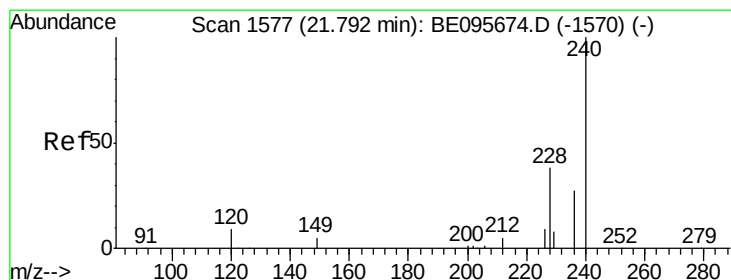
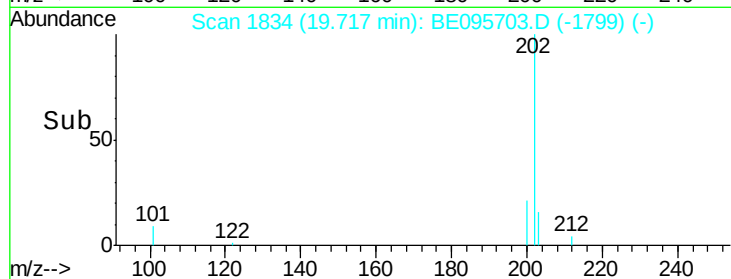
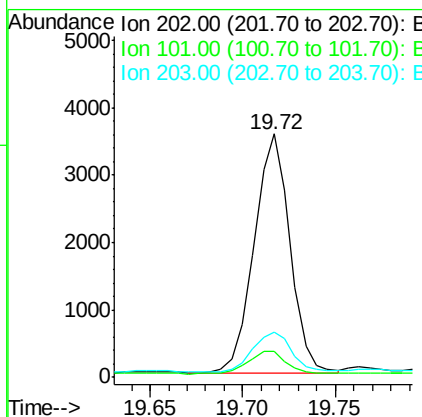
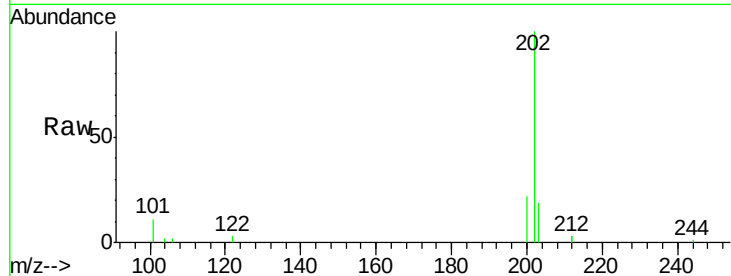
#26
Fluoranthene
 Concen: 0.177 ng
 RT: 19.72 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Instrument :
 BNA_E
 ClientSampleId :
 T-1_030518

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.8	14.8
203	18.1	13.7	20.5

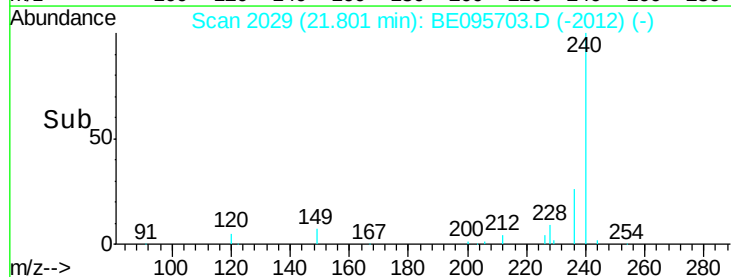
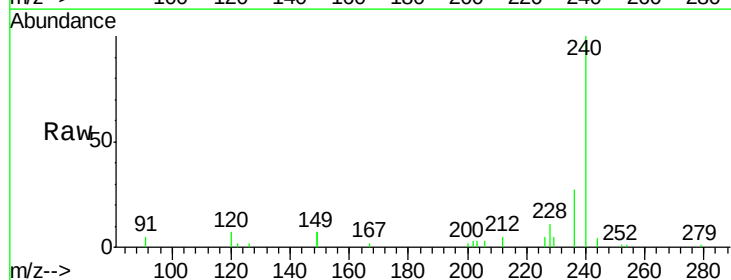
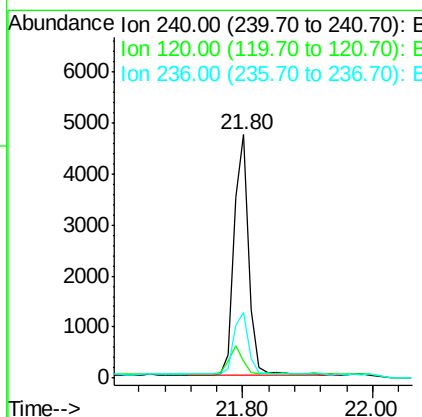
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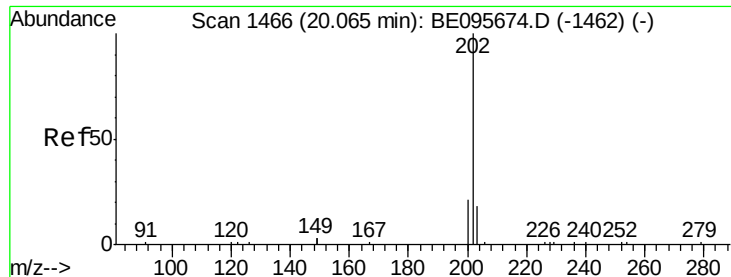
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.80 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.5	8.3
236	27.0	20.7	31.1





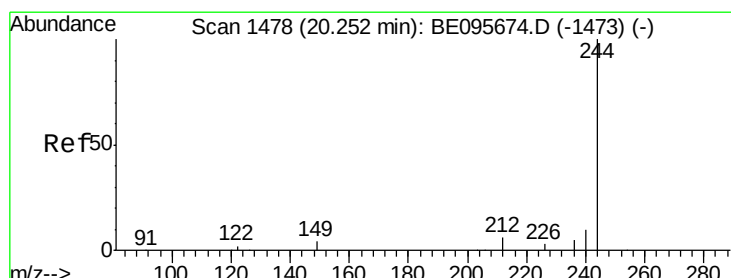
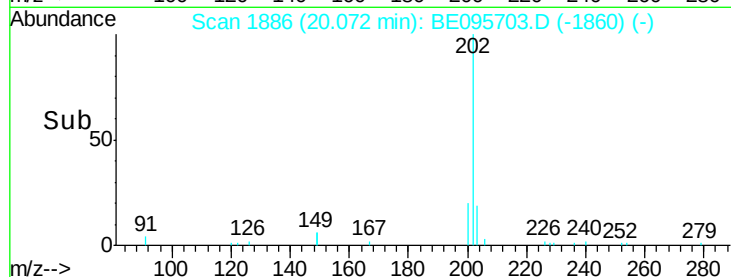
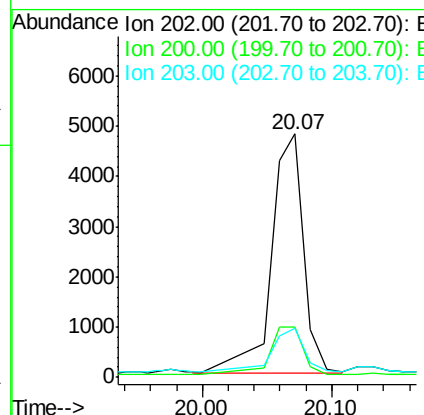
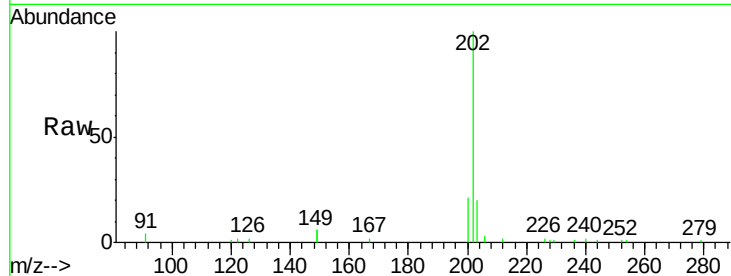
#28
Pvrene
Concen: 0.340 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

Instrument :
BNA_E
ClientSampleId :
T-1_030518

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.9	13.8	20.8

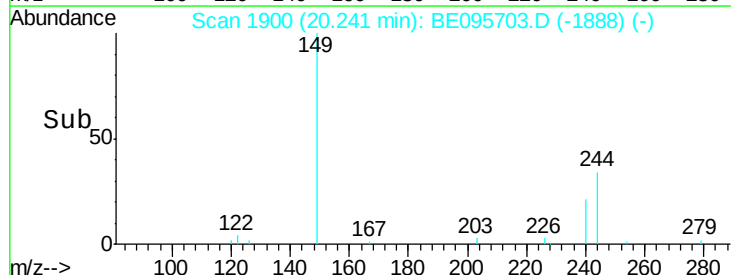
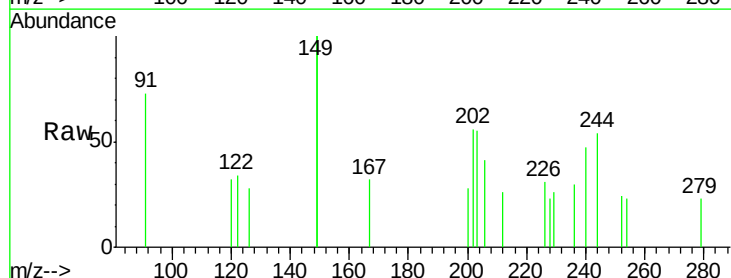
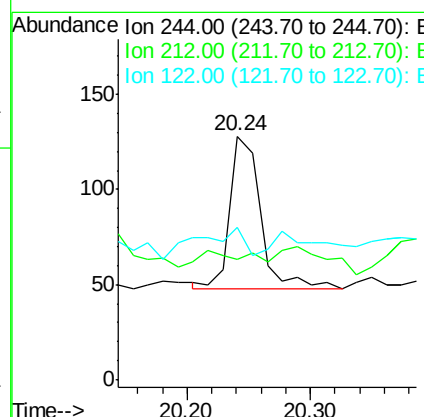
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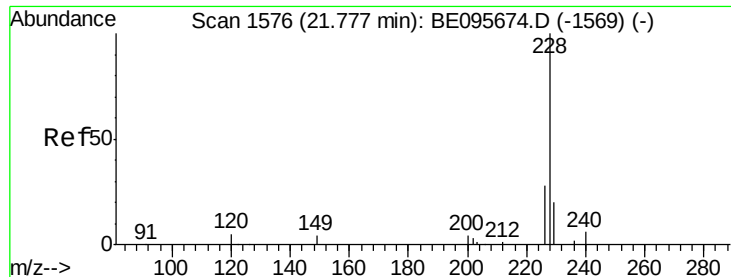
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#29
Terphenyl-d14
Concen: 0.009 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	49.2	25.4	38.0#
122	62.5	8.1	12.1#





#30

Benzo(a)anthracene

Concen: 0.145 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Instrument :

BNA_E

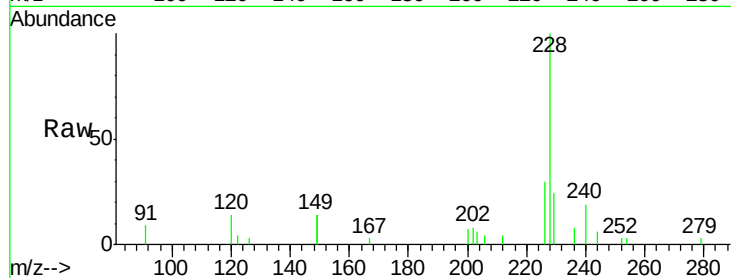
ClientSampleId :

T-1_030518

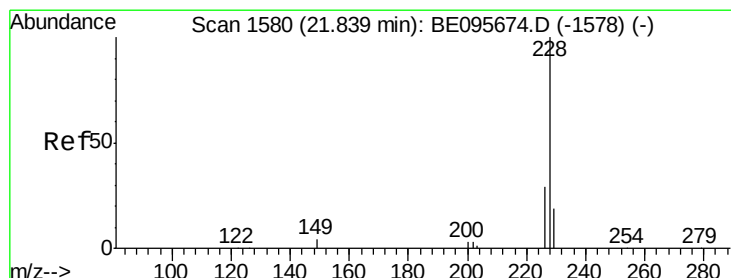
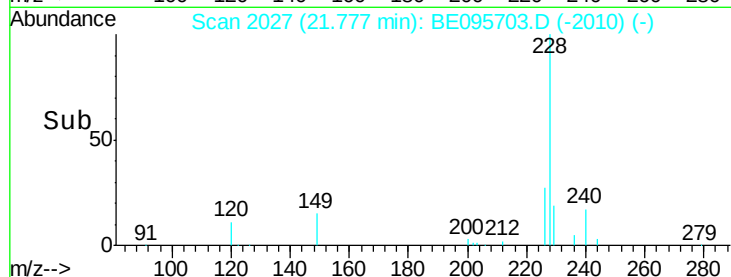
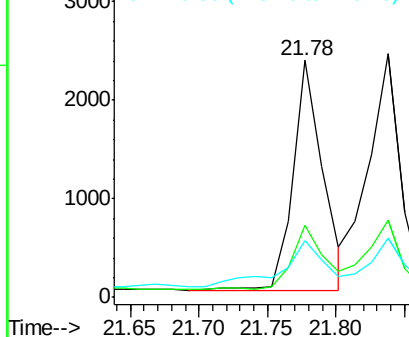
Tot Ion:	228	Resp:	3513
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	24.2	16.0	24.0

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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: 0.163 ng

RT: 21.84 min Scan# 2032

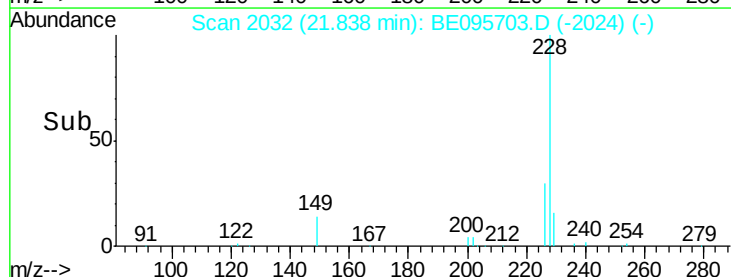
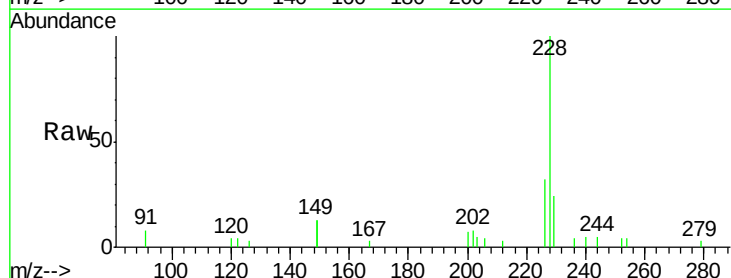
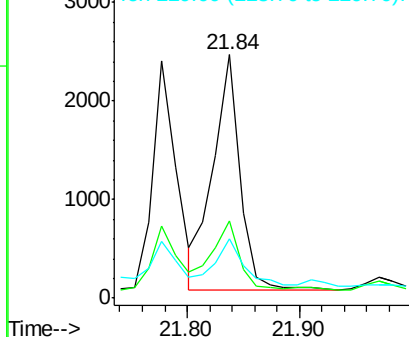
Delta R.T. -0.00 min

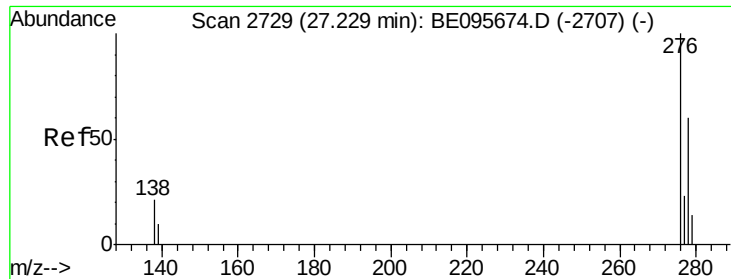
Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Tgt Ion:	228	Resp:	3942
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.0	36.0
229	24.2	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





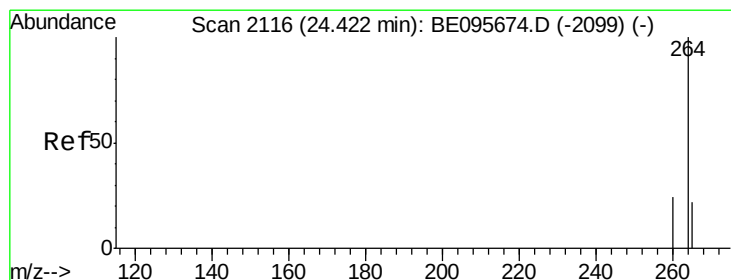
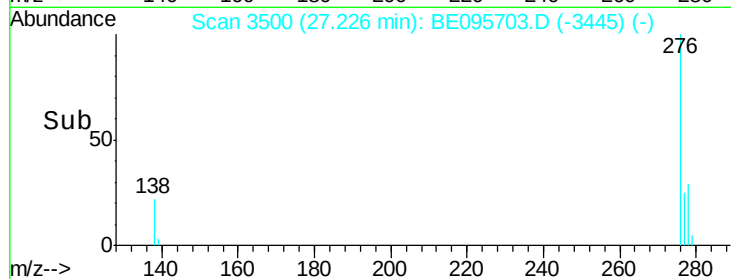
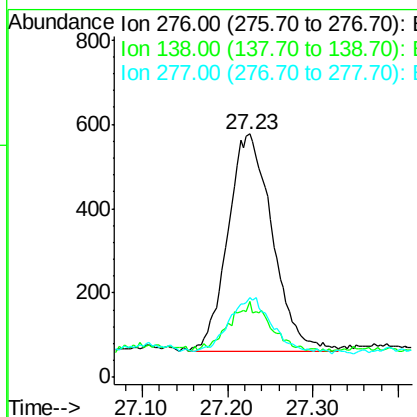
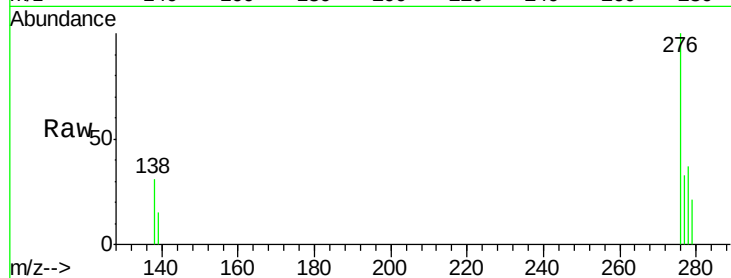
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.079 ng
 RT: 27.23 min Scan# 3500
 Delta R.T. -0.00 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Instrument :
 BNA_E
 ClientSampleId :
 T-1_030518

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	22.5	33.7#
277	23.3	19.9	29.9

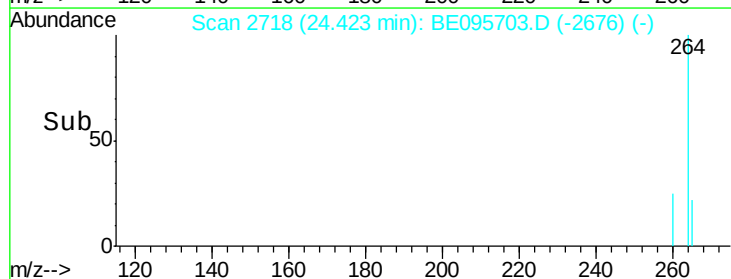
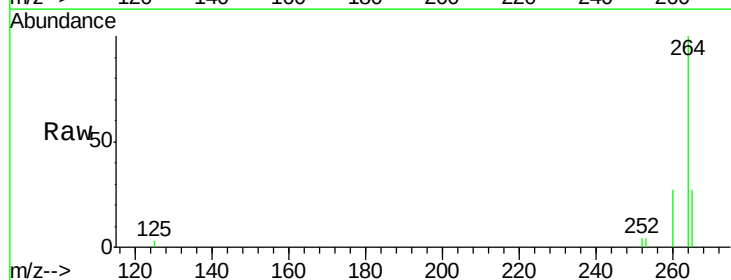
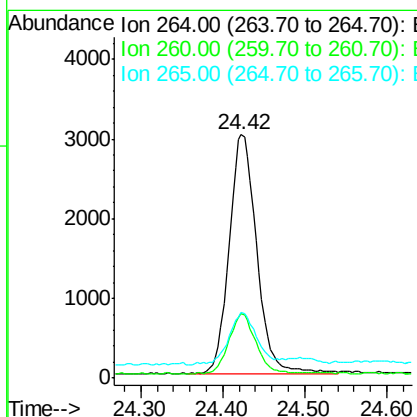
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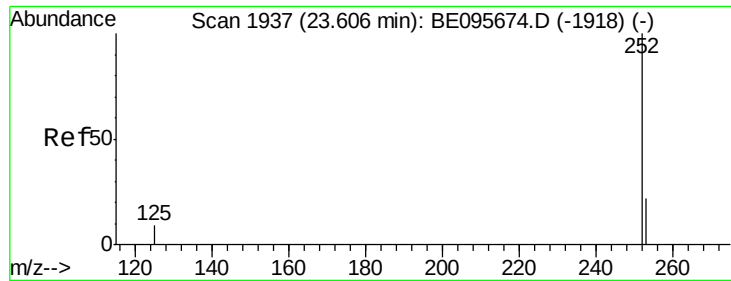
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2718
 Delta R.T. 0.00 min
 Lab File: BE095703.D
 Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.5	30.7
265	27.1	22.8	34.2





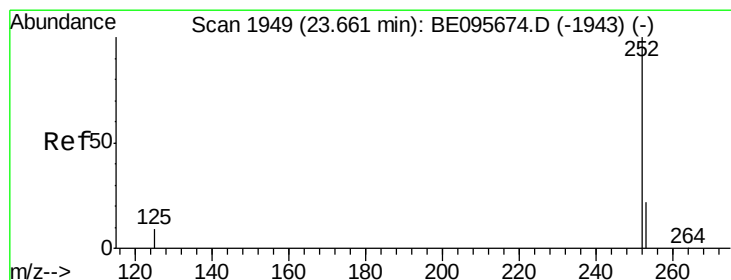
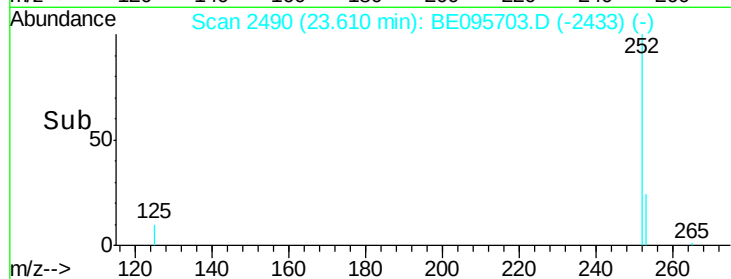
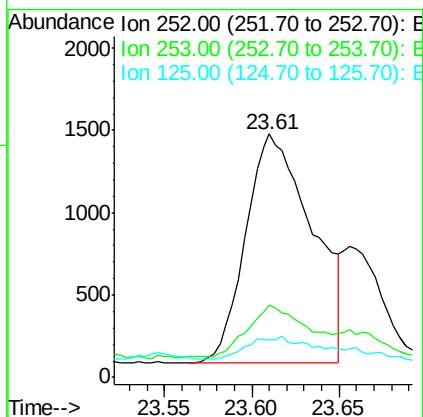
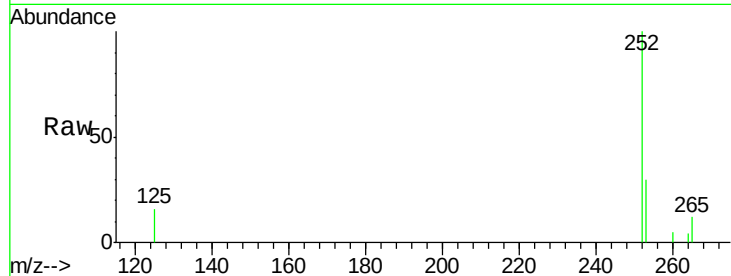
#35
Benzo(b)fluoranthene
Concen: 0.148 ng
RT: 23.61 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

Instrument :
BNA_E
ClientSampleId :
T-1_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	20.0	30.0
125	15.7	16.0	24.0

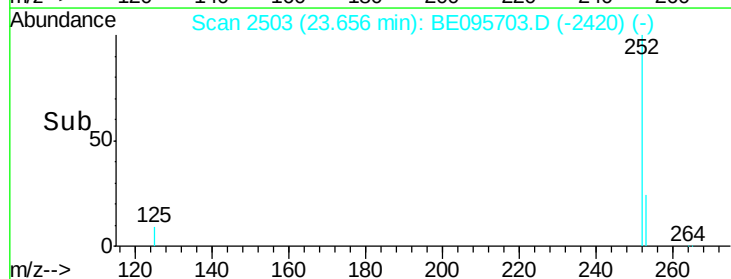
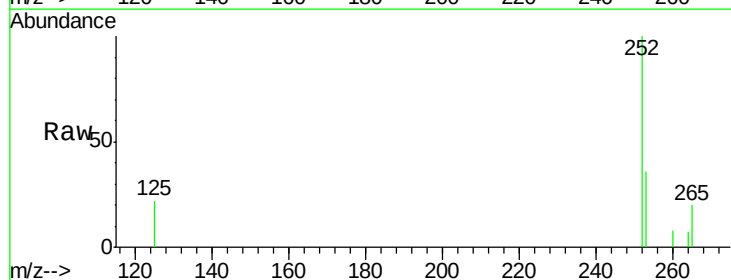
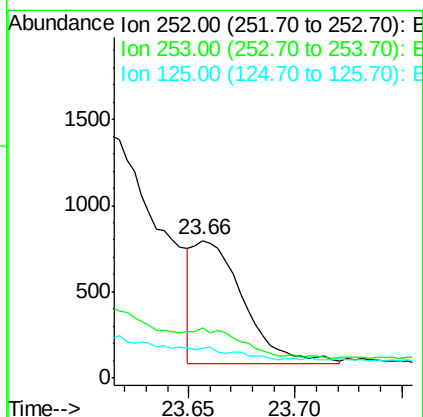
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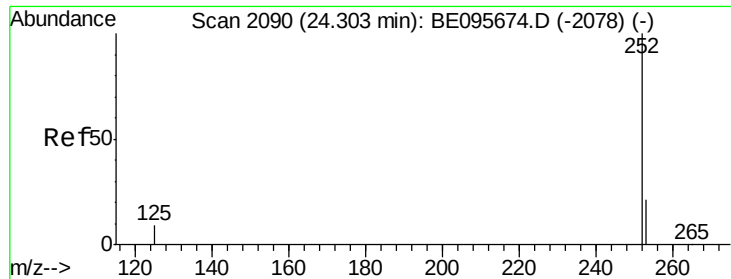
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#36
Benzo(k)fluoranthene
Concen: 0.047 ng m
RT: 23.66 min Scan# 2503
Delta R.T. -0.00 min
Lab File: BE095703.D
Acq: 6 Mar 2018 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.3	16.0	24.0
125	21.8	8.0	12.0





#37

Benzo(a)pyrene

Concen: 0.131 ng

RT: 24.31 min Scan# 2685

Delta R.T. 0.00 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Instrument :

BNA_E

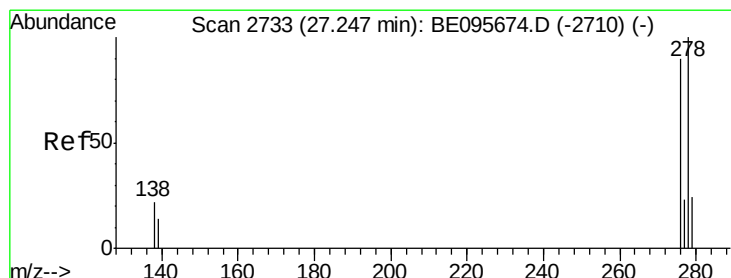
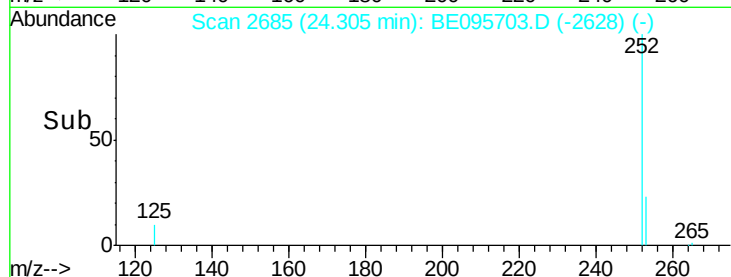
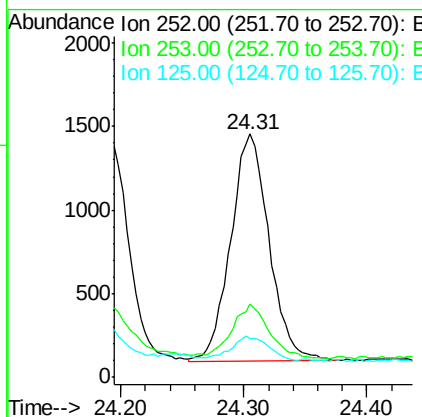
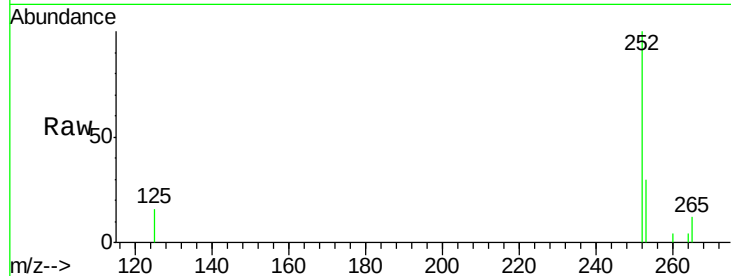
ClientSampleId :

T-1_030518

Tot Ion:	252	Resp:	2937
Ion Ratio	Lower	Upper	
252	100		
253	30.2	16.0	24.0#
125	15.9	12.0	18.0

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#38

Dibenzo(a,h)anthracene

Concen: 0.037 ng

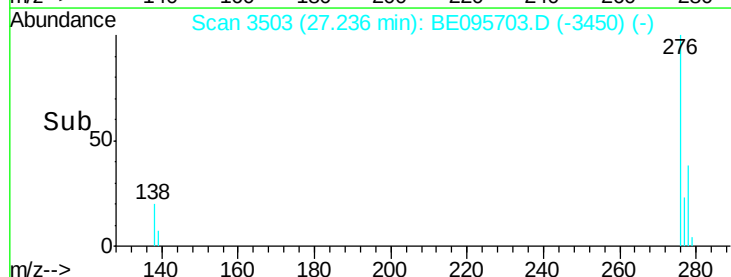
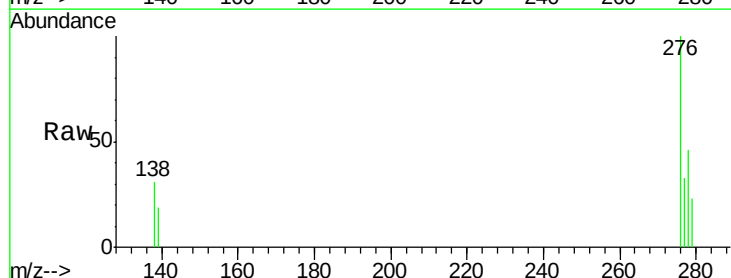
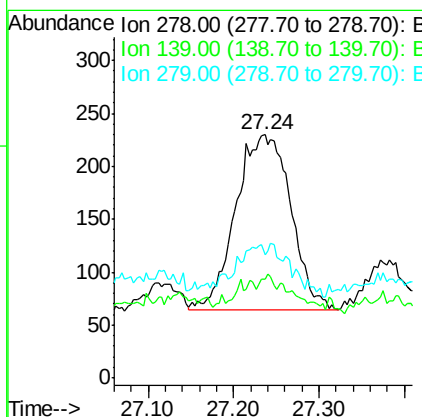
RT: 27.24 min Scan# 3503

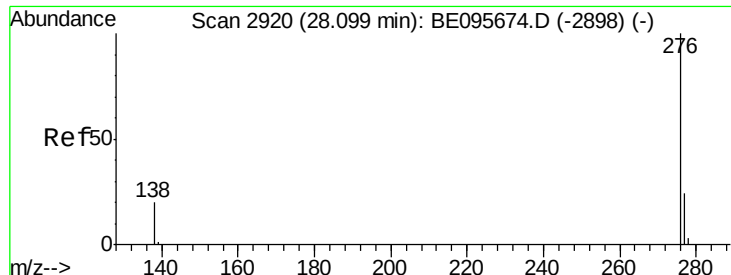
Delta R.T. -0.01 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Tgt Ion:	278	Resp:	734
Ion Ratio	Lower	Upper	
278	100		
139	40.4	16.0	24.0#
279	50.4	20.0	30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.143 ng

RT: 28.10 min Scan# 3745

Delta R.T. 0.00 min

Lab File: BE095703.D

Acq: 6 Mar 2018 18:35

Instrument :

BNA_E

ClientSampleId :

T-1_030518

Tot Ion:	276	Resp:	3058
Ion Ratio	Lower	Upper	
276	100		
277	26.7	16.0	24.0#
138	24.5	20.0	30.0

Manual Integrations
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