

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095716.D
 Acq On : 7 Mar 2018 2:21
 Operator : SJ/JU
 Sample : J1811-12 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-12_030518

Manual Integrations
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Sohil
 3/7/2018 12:20:33 PM

Quant Time: Mar 07 03:16:59 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	1396	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5815	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3434	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7594	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7890	0.40	ng	0.01
34) Perylene-d12	24.43	264	7231	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.79	112	4	0.00	ng	-0.13
5) Phenol-d6	7.56	99	42	0.01	ng	0.00
8) Nitrobenzene-d5	9.61	82	55	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	85	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	11	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	139	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	558	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	119	0.01	ng	0.00
Target Compounds						
12) 2-Methylnaphthalene	12.88	142	247	0.021	ng	# 87
17) Acenaphthene	15.07	154	313	0.026	ng	# 83
18) Fluorene	16.03	166	348	0.023	ng	# 83
23) Phenanthrene	17.75	178	9622	0.405	ng	98
24) Anthracene	17.84	178	1711	0.079	ng	98
26) Fluoranthene	19.72	202	18189	0.623	ng	# 97
28) Pyrene	20.06	202	20291	0.629	ng	96
30) Benzo(a)anthracene	21.78	228	10089	0.392	ng	97
31) Chrysene	21.84	228	9620	0.376	ng	97
32) Bis(2-ethylhexyl)phthalate	21.66	149	7621	0.167	ng	100
33) Indeno(1,2,3-cd)pyrene	27.23	276	5491	0.221	ng	# 92
35) Benzo(b)fluoranthene	23.61	252	11824	0.459	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	4625m	0.181	ng	
37) Benzo(a)pyrene	24.30	252	8260	0.356	ng	# 91
38) Dibenzo(a,h)anthracene	27.24	278	1551	0.075	ng	# 80
39) Benzo(g,h,i)perylene	28.10	276	5542	0.250	ng	# 93

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

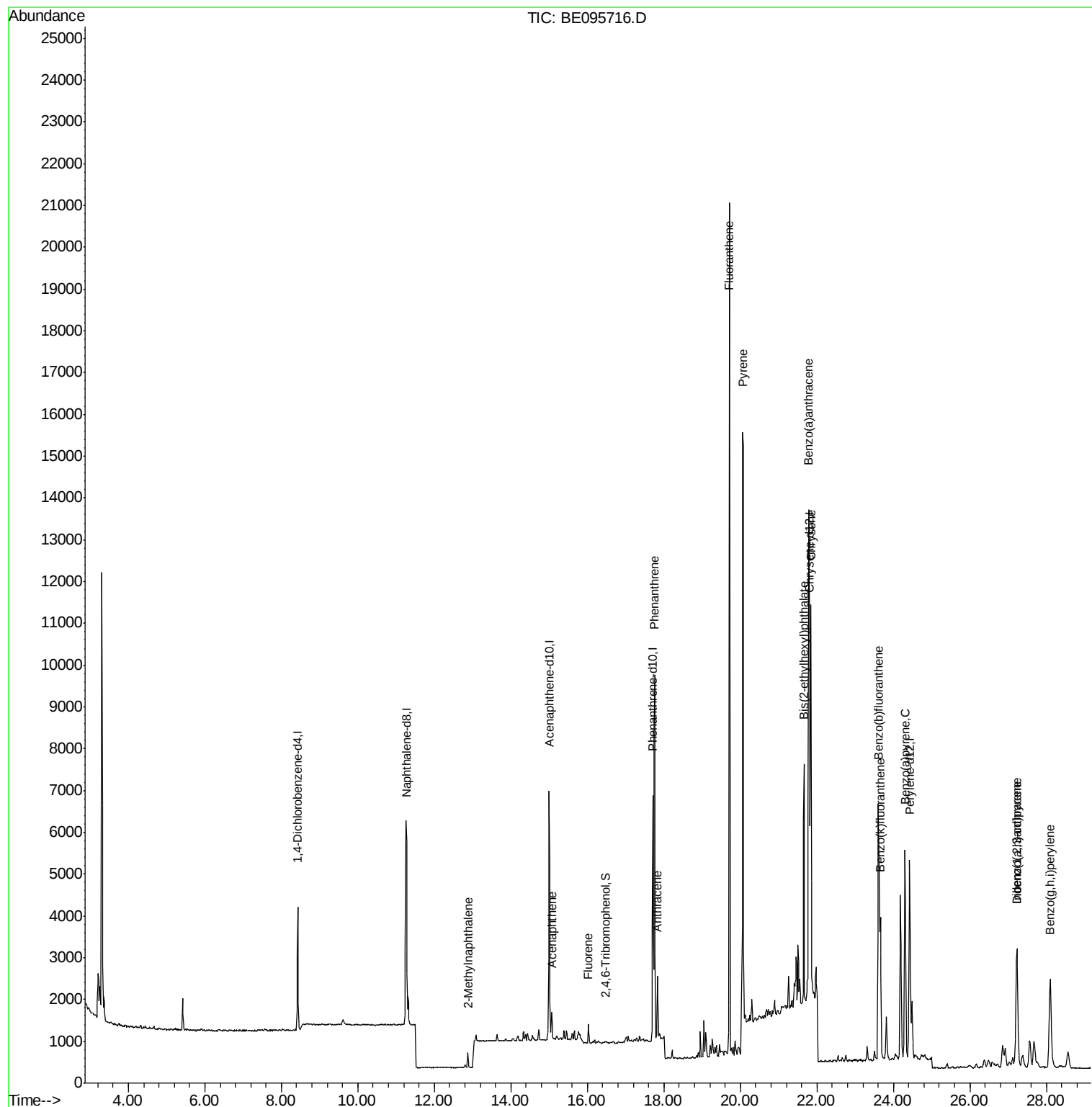
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
Data File : BE095716.D
Acq On : 7 Mar 2018 2:21
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ALS Vial : 18 Sample Multiplier: 1

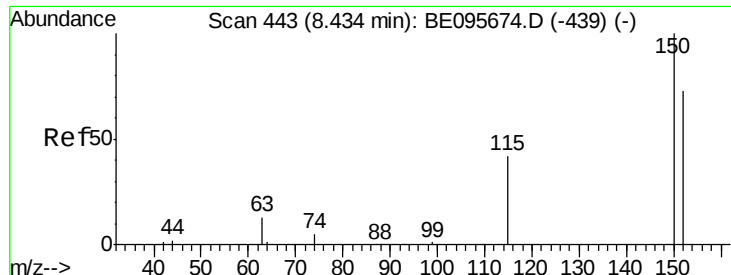
Instrument :
BNA_E
ClientSampleId :
T-12_030518

Manual Integrations
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3/7/2018 12:20:33 PM

Quant Time: Mar 07 03:16:59 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
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#1

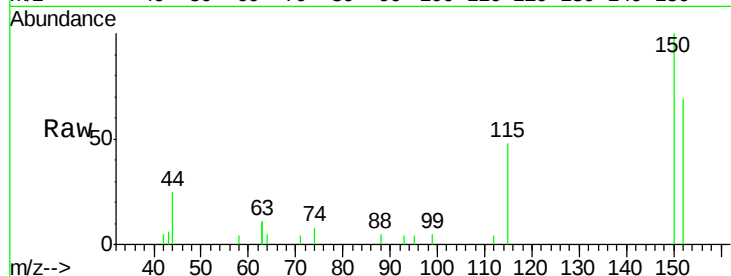
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampleId :
T-12_030518

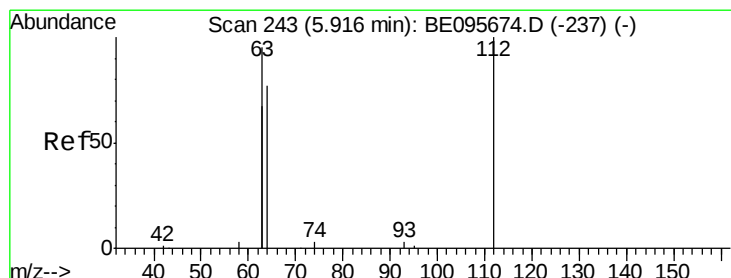
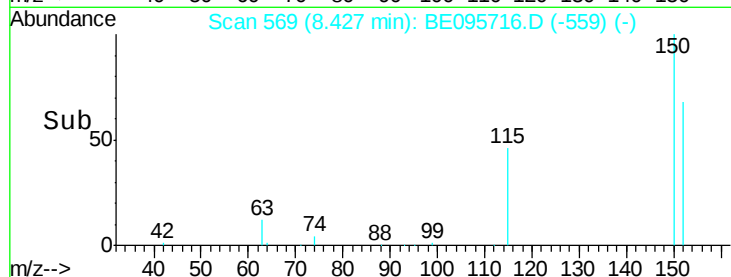
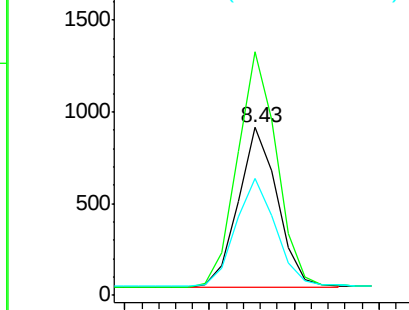
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.3	117.2	175.8
115	69.9	57.0	85.6

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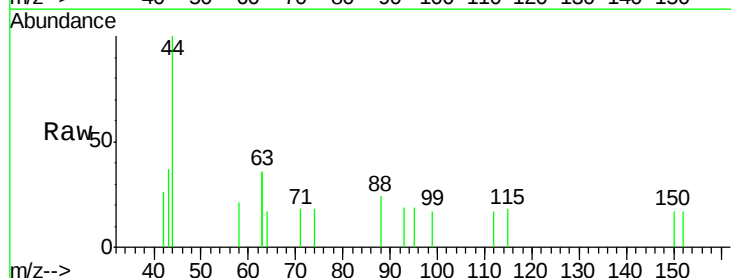
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



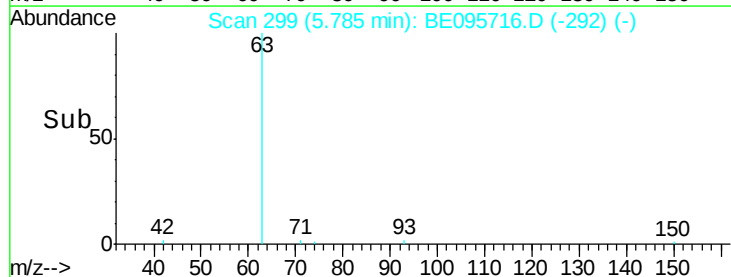
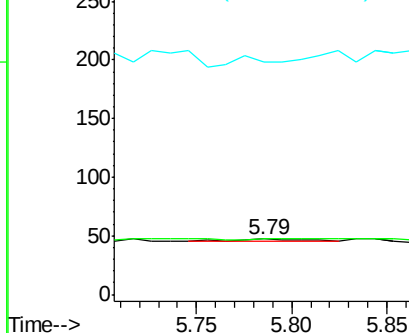
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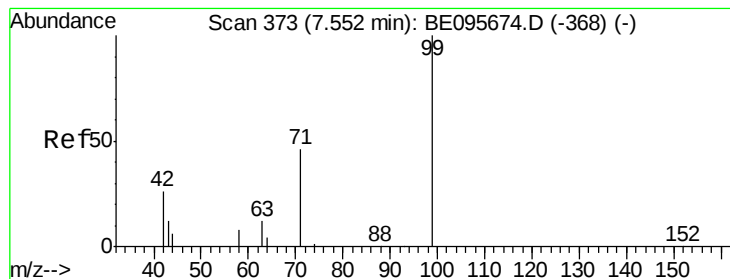
2-Fluorophenol
Concen: 0.001 ng
RT: 5.79 min Scan# 299
Delta R.T. -0.13 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.0	60.1	90.1
63	175.0	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: 0.008 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Instrument :

BNA_E

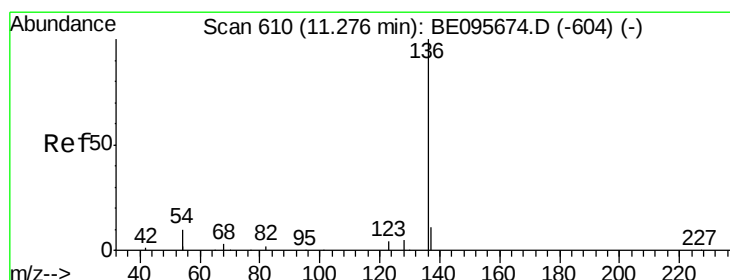
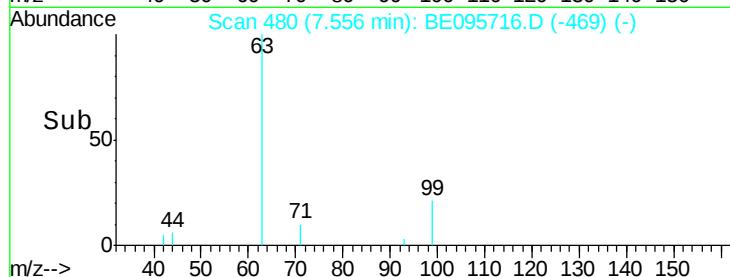
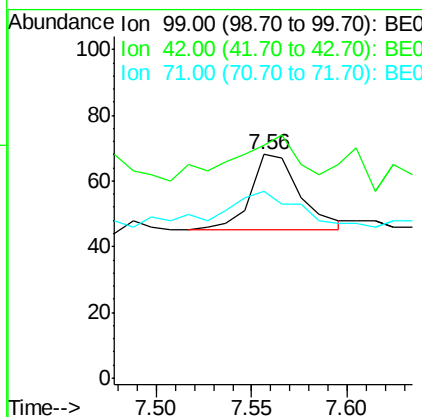
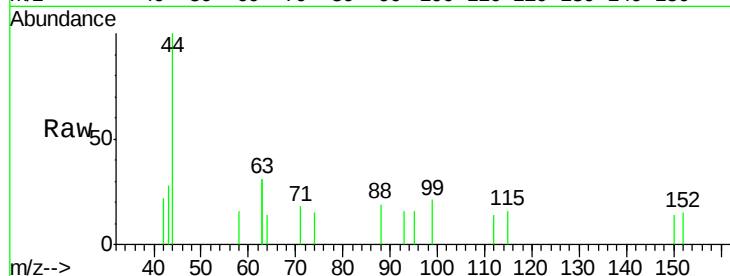
ClientSampled :

T-12_030518

Tot Ion:	99	Resp:	42
Ion	Ratio	Lower	Upper
99	100		
42	76.2	20.2	30.2#
71	73.8	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

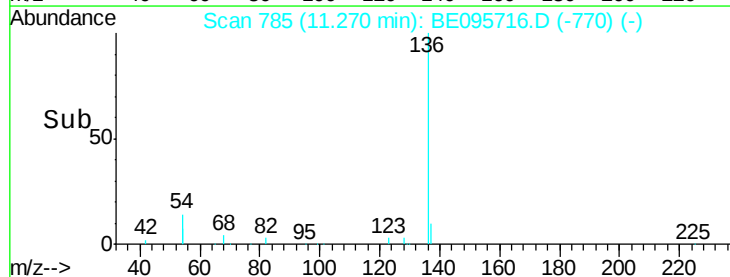
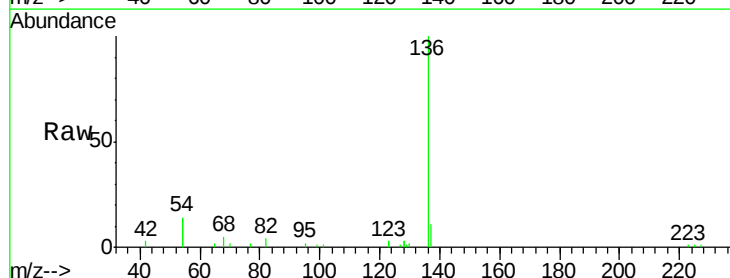
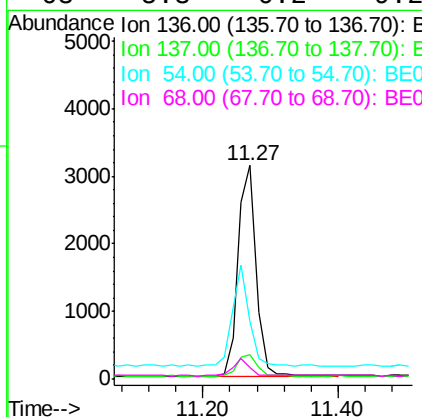
RT: 11.27 min Scan# 785

Delta R.T. -0.01 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Tgt Ion:	136	Resp:	5815
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	27.1	29.1	43.7#
68	5.3	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.009 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Instrument :

BNA_E

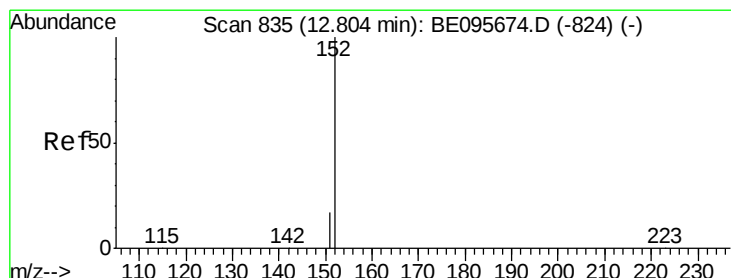
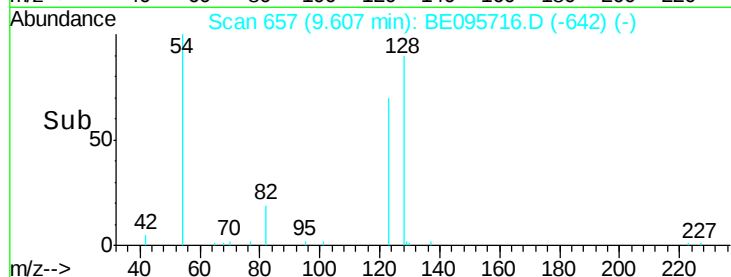
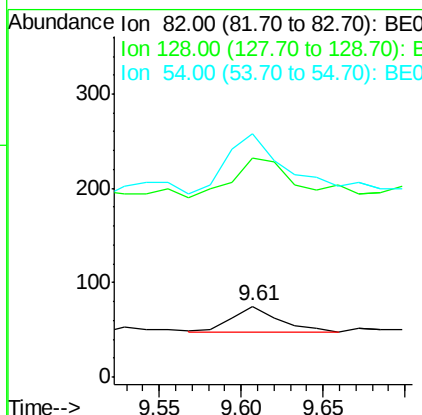
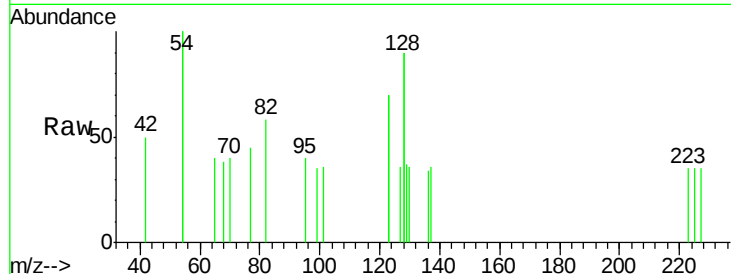
ClientSampleId :

T-12_030518

Tot Ion:	82	Resp:	55
Ion Ratio	Lower	Upper	
82	100		
128	309.3	150.0	225.0#
54	344.0	154.2	231.4#

Manual Integrations
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#11

2-Methylnaphthalene-d10

Concen: 0.009 ng

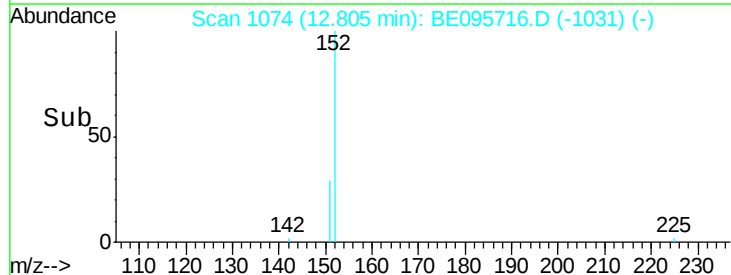
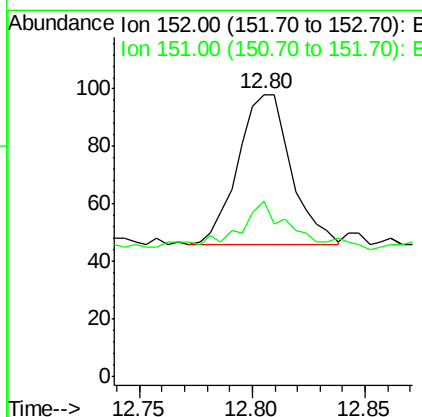
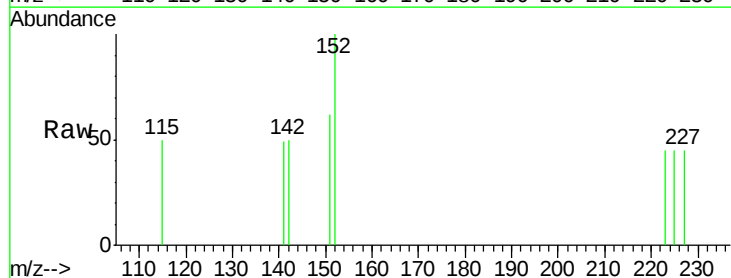
RT: 12.80 min Scan# 1074

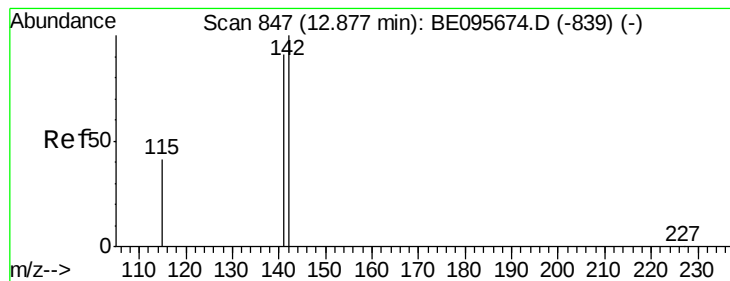
Delta R.T. 0.00 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Tgt Ion:	152	Resp:	85
Ion Ratio	Lower	Upper	
152	100		
151	28.2	15.4	23.0#





#12

2-Methylnaphthalene

Concen: 0.021 ng

RT: 12.88 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Instrument :

BNA_E

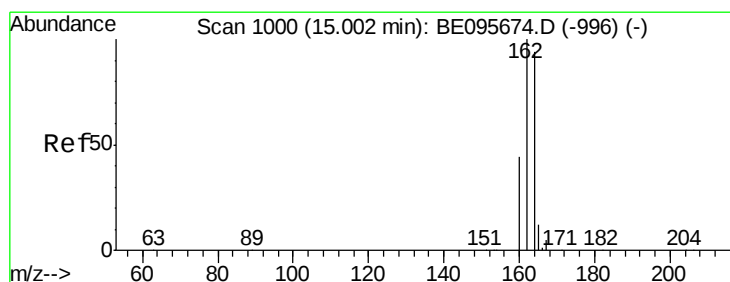
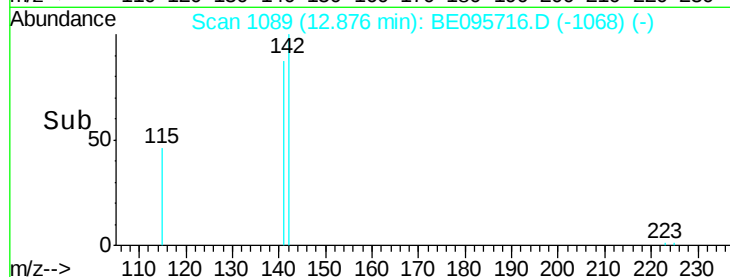
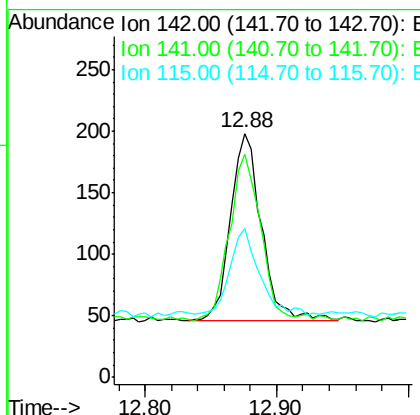
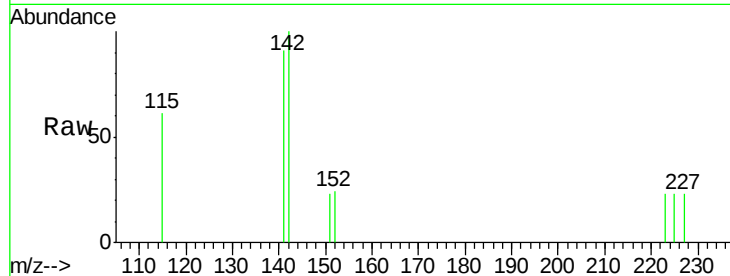
ClientSampled :

T-12_030518

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	70.4	105.6
115	61.1	31.7	47.5

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#13

Acenaphthene-d10

Concen: 0.400 ng

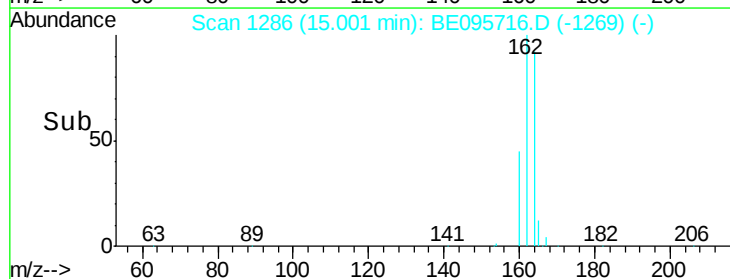
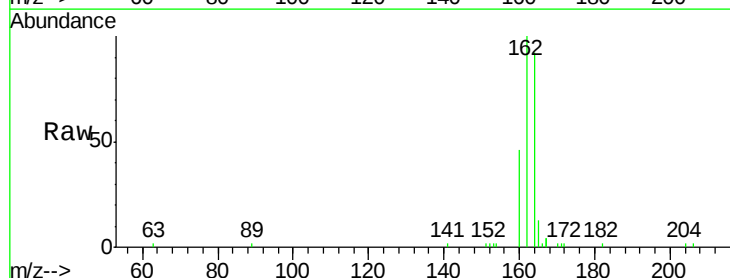
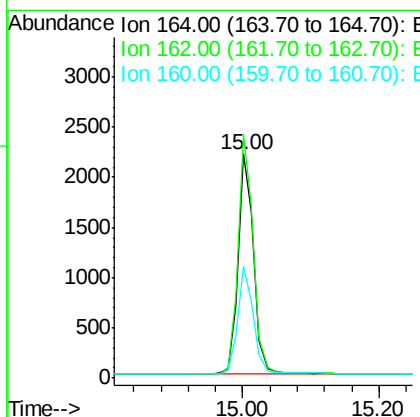
RT: 15.00 min Scan# 1286

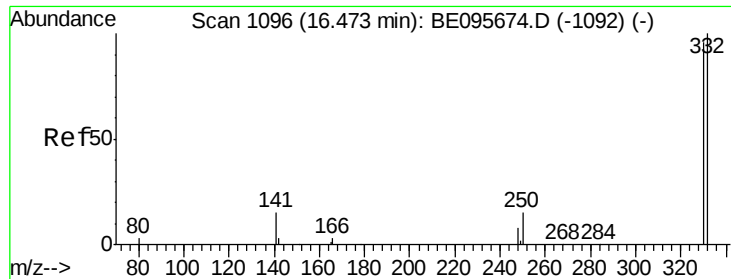
Delta R.T. -0.00 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.6	83.1	124.7
160	49.8	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: BE095716.D

Acq: 7 Mar 2018 2:21

Instrument :

BNA_E

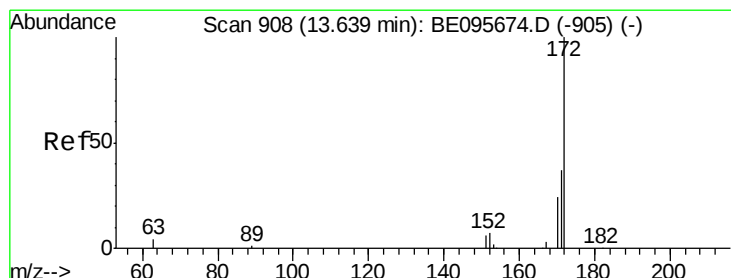
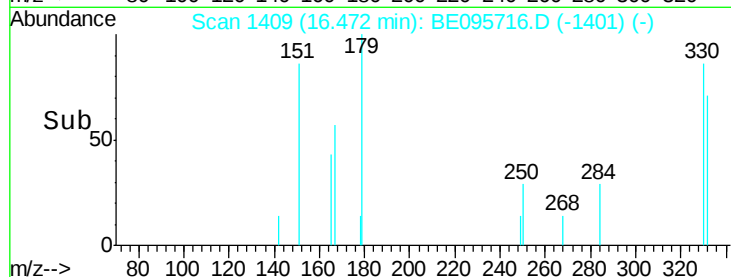
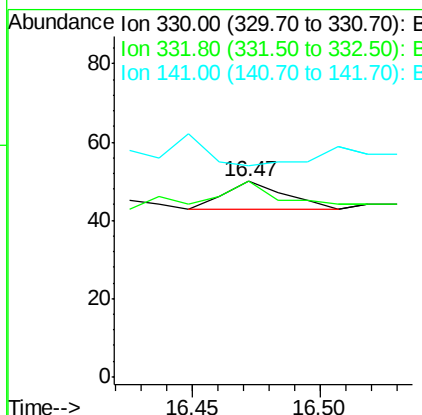
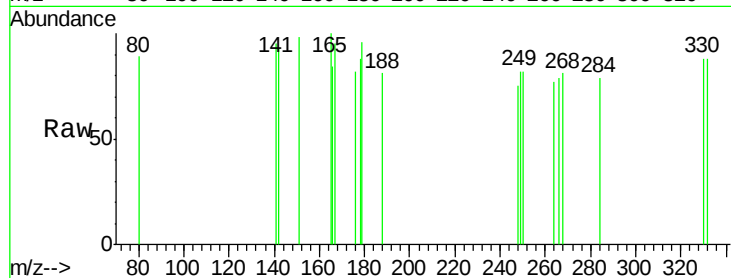
ClientSampled :

T-12_030518

Tot Ion:	330	Resp:	11
Ion Ratio	Lower	Upper	
330	100		
332	136.4	152.7	229.1#
141	0.0	33.7	50.5#

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#15

2-Fluorobiphenyl

Concen: 0.009 ng

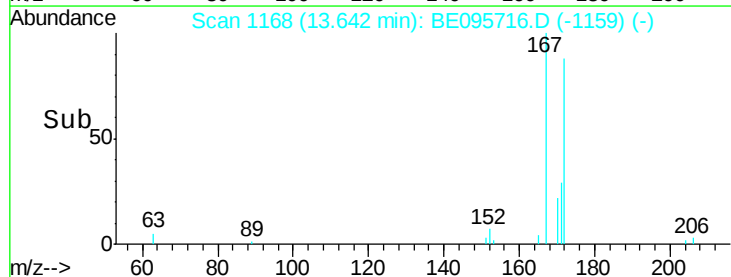
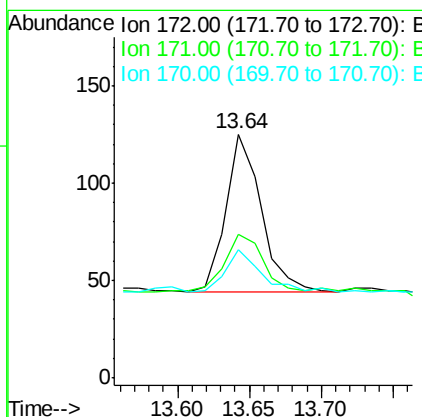
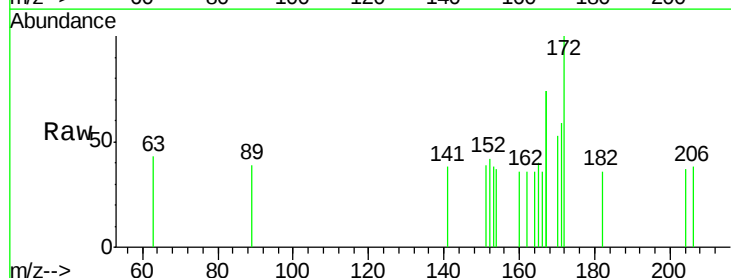
RT: 13.64 min Scan# 1168

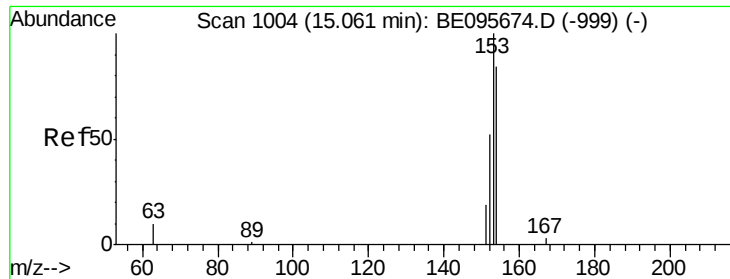
Delta R.T. 0.00 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Tgt Ion:	172	Resp:	139
Ion Ratio	Lower	Upper	
172	100		
171	59.2	29.9	44.9#
170	52.8	21.8	32.8#





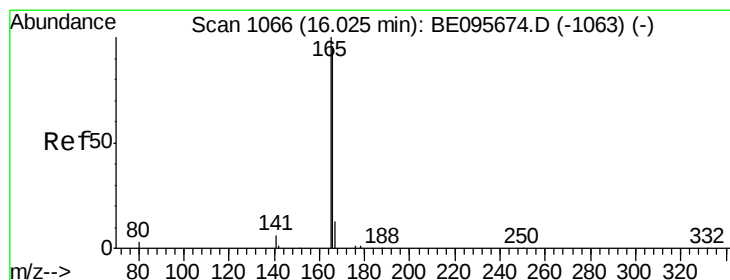
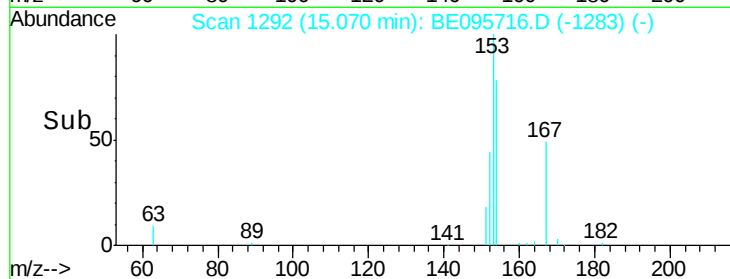
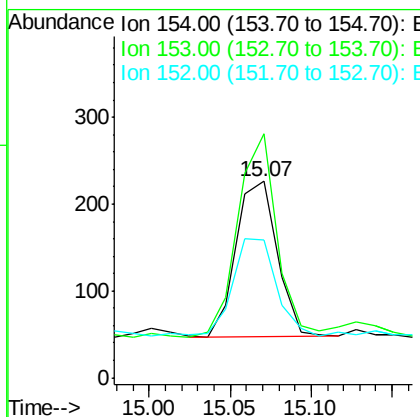
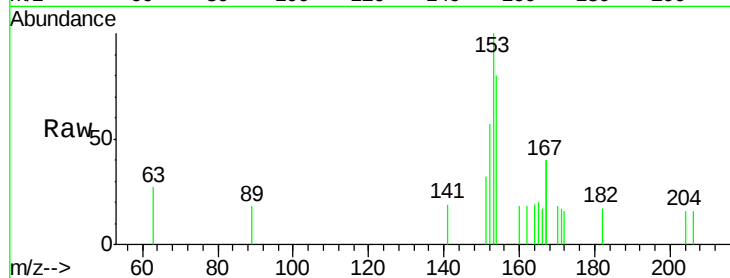
#17
Acenaphthene
Concen: 0.026 ng
RT: 15.07 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampleId :
T-12_030518

Tot Ion	Ratio	Lower	Upper
154	100		
153	126.8	89.2	133.8
152	67.4	42.0	63.0

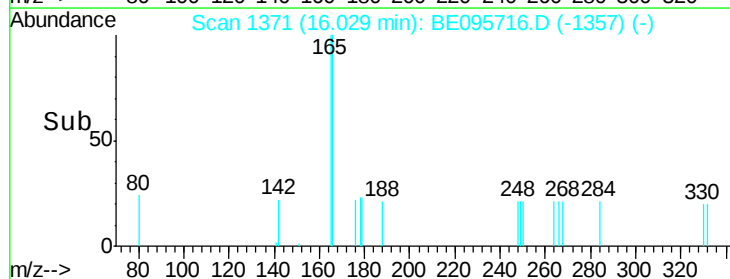
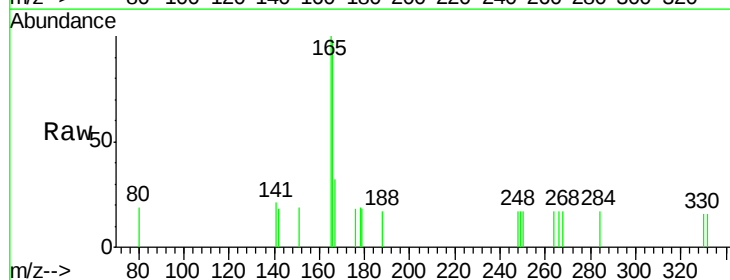
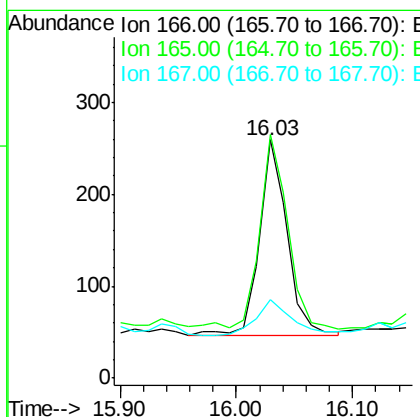
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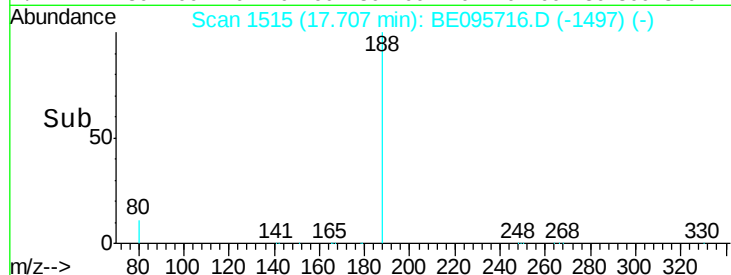
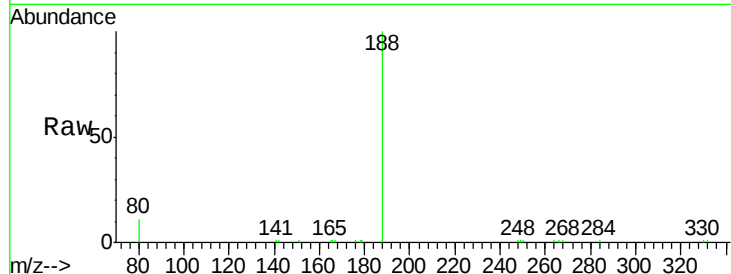
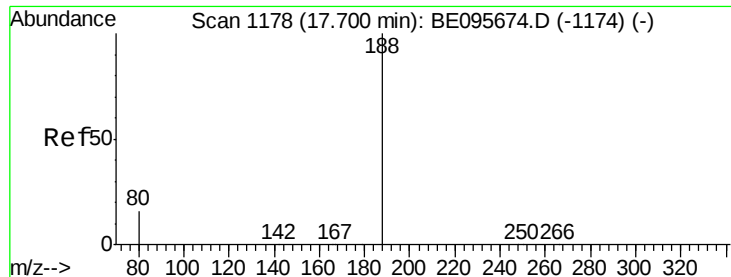
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#18
Fluorene
Concen: 0.023 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	77.8	116.6
167	23.6	42.4	63.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Tot Ion:	188	Resp:	7594
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	11.4	3.6	5.4#

Instrument :

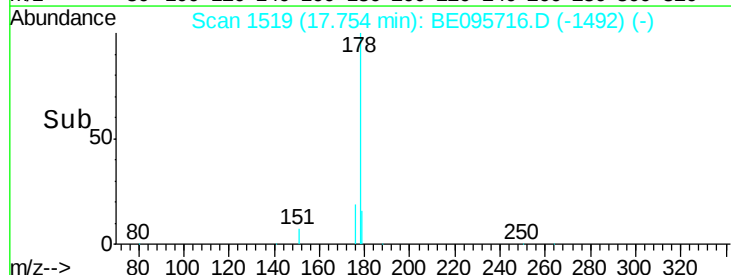
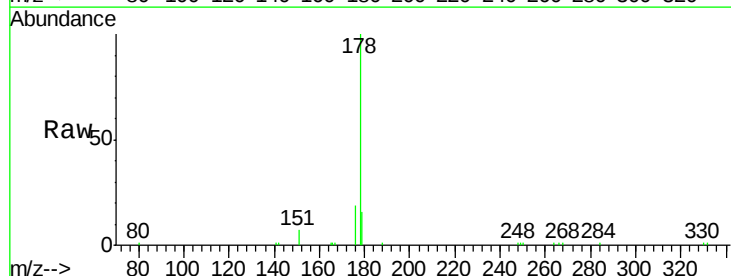
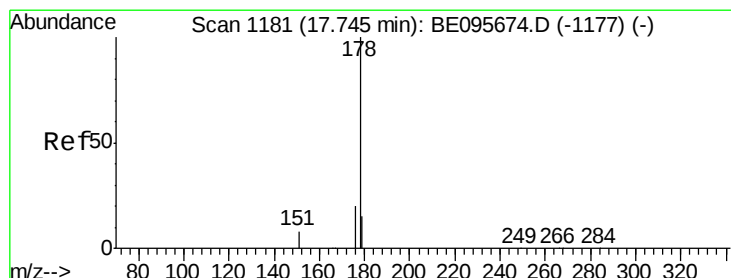
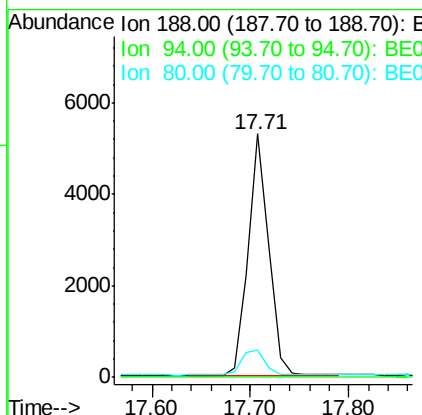
BNA_E

ClientSampleId :

T-12_030518

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#23

Phenanthrene

Concen: 0.405 ng

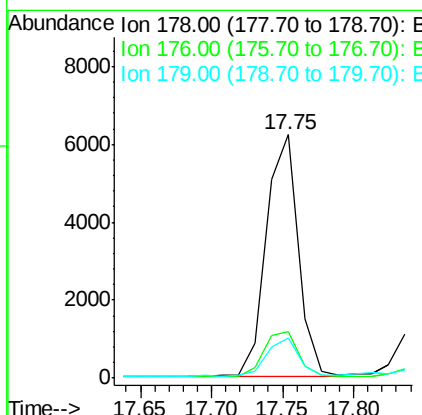
RT: 17.75 min Scan# 1519

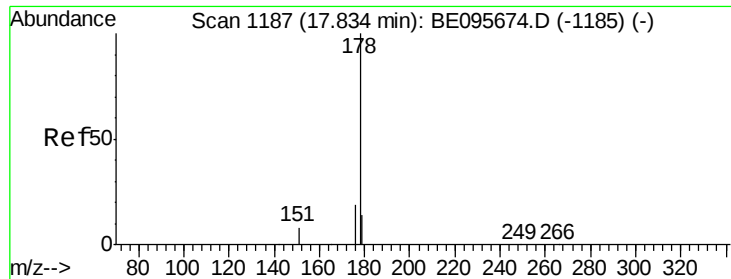
Delta R.T. 0.01 min

Lab File: BE095716.D

Acq: 7 Mar 2018 2:21

Tgt Ion:	178	Resp:	9622
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.1	22.7
179	15.6	11.8	17.6





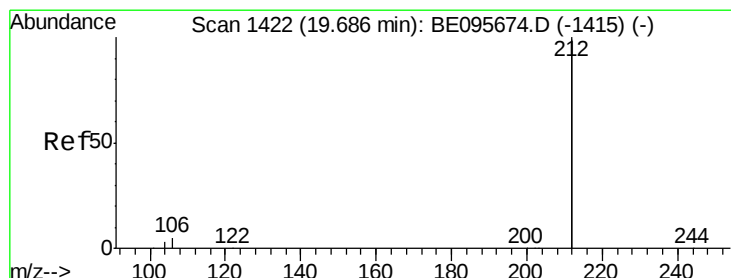
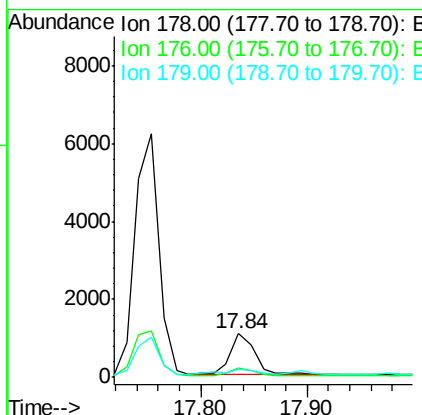
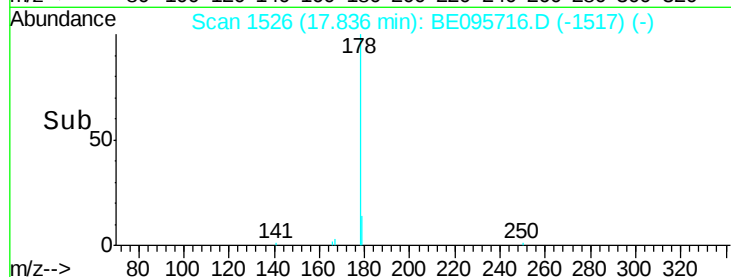
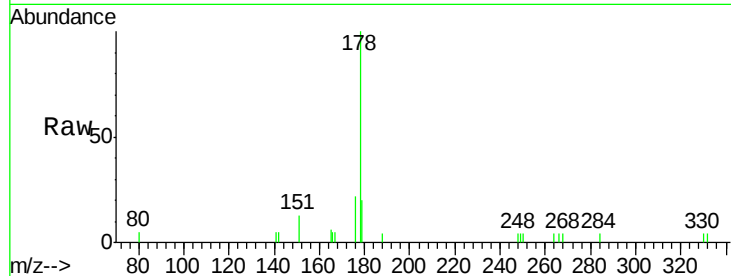
#24
 Anthracene
 Concen: 0.079 ng
 RT: 17.84 min Scan# 1526
 Delta R.T. 0.00 min
 Lab File: BE095716.D
 Acq: 7 Mar 2018 2:21

Instrument :
 BNA_E
 ClientSampleId :
 T-12_030518

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	12.8	19.2
179	16.1	13.0	19.6

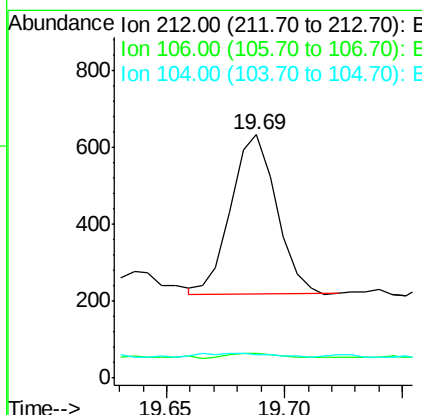
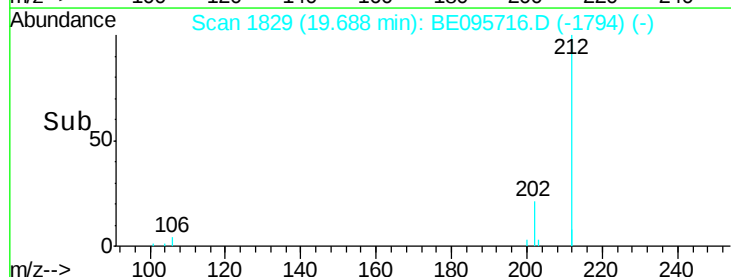
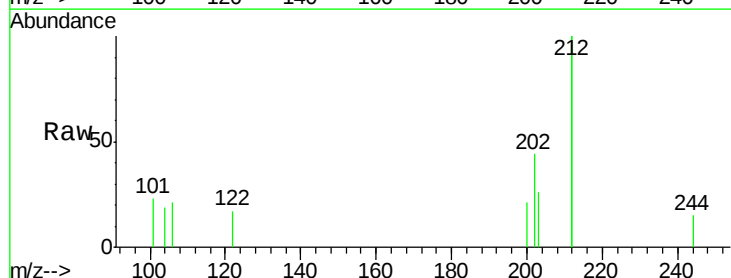
Manual Integrations
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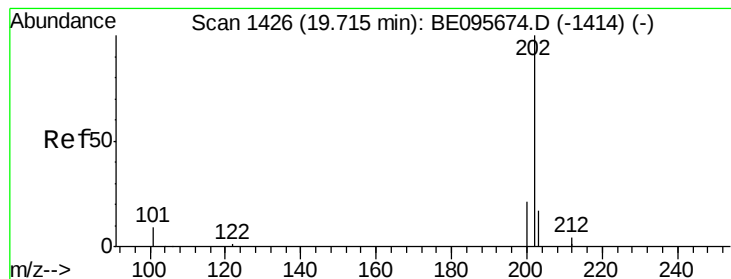
Sohil
 3/7/2018 12:20:33 PM



#25
 Fluoranthene-d10
 Concen: 0.006 ng
 RT: 19.69 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE095716.D
 Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.7	2.8	4.2#
104	4.3	1.6	2.4#





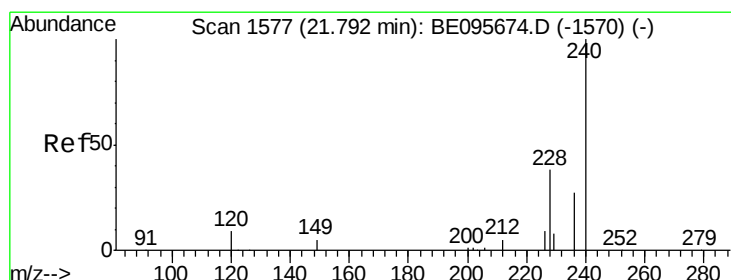
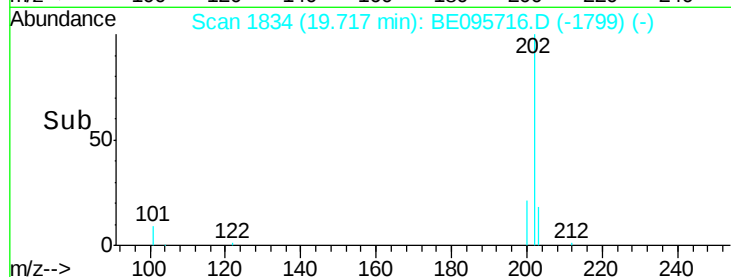
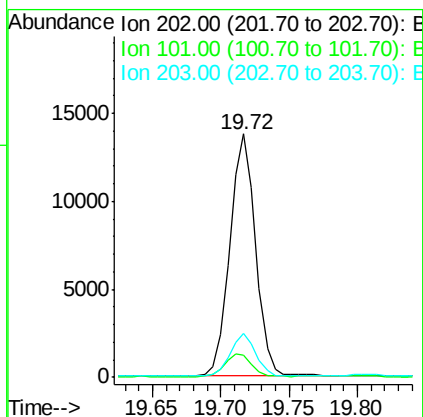
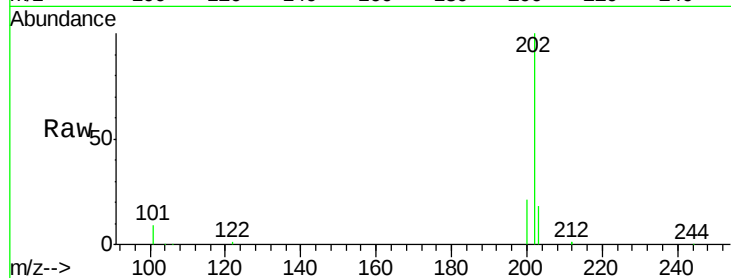
#26
Fluoranthene
Concen: 0.623 ng
RT: 19.72 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampleId :
T-12_030518

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.5	9.8	14.8#
203	17.4	13.7	20.5

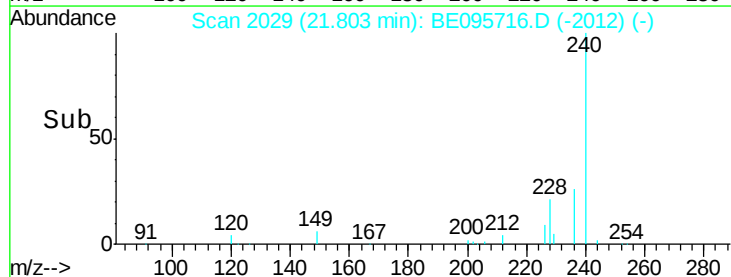
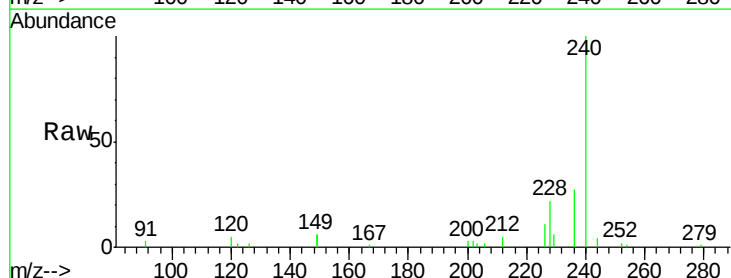
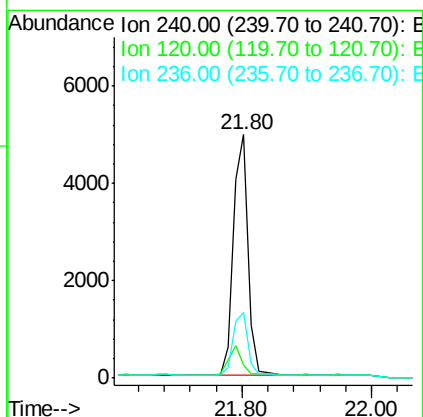
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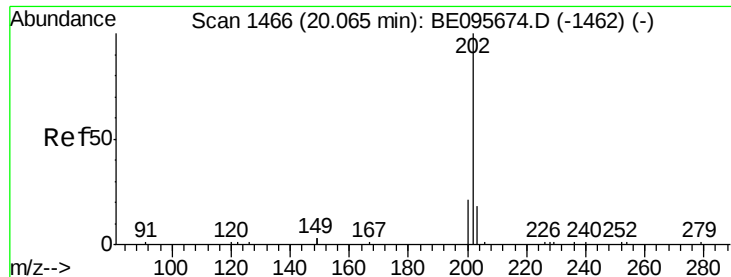
Sohil
3/7/2018 12:20:33 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	5.4	5.5	8.3#
236	27.0	20.7	31.1





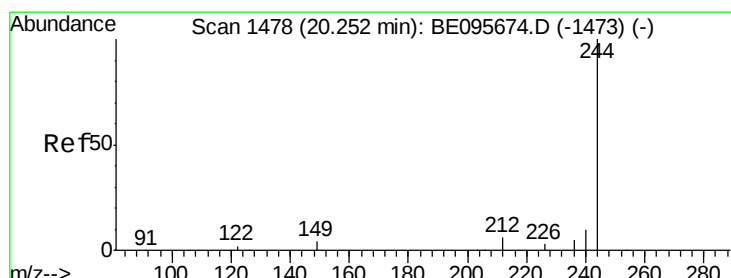
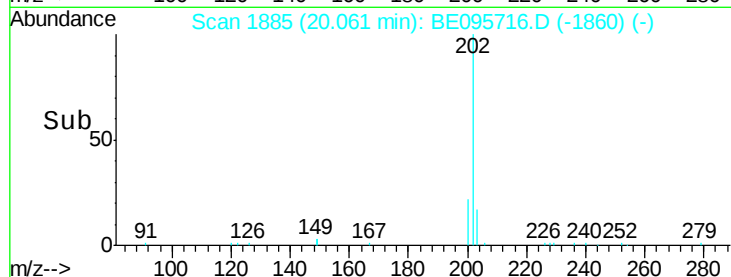
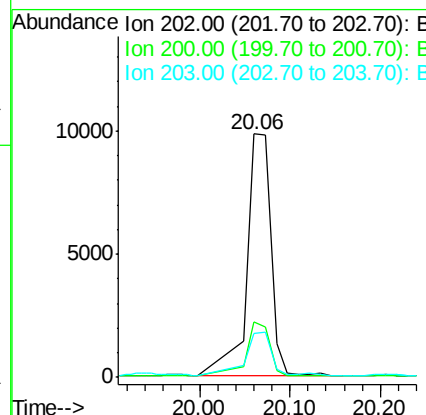
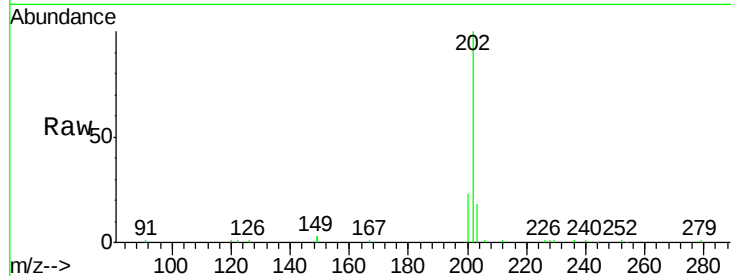
#28
Pvrene
Concen: 0.629 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampled :
T-12_030518

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	20.6	13.8	20.8

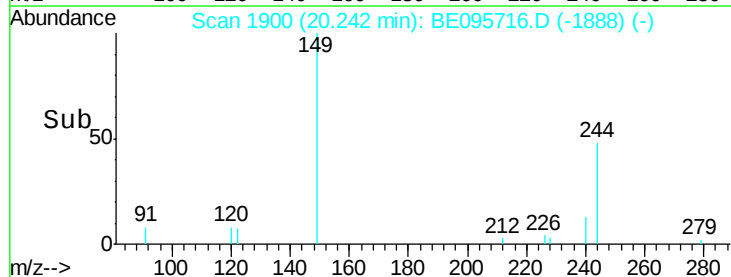
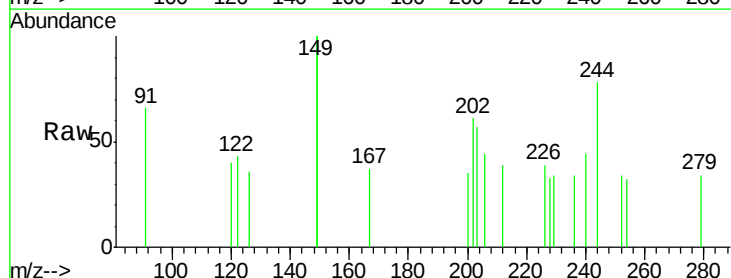
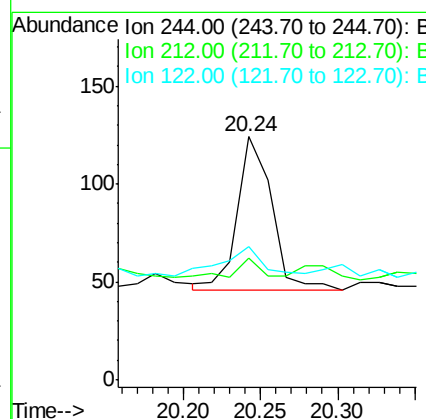
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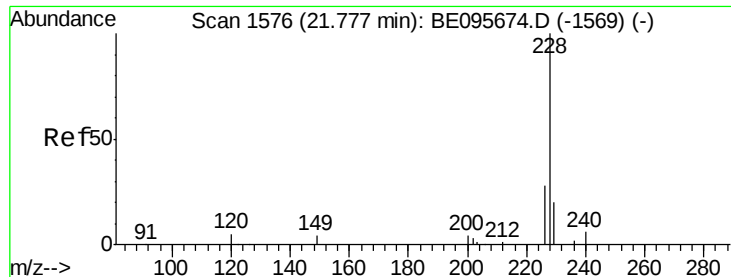
Sohil
3/7/2018 12:20:33 PM



#29
Terphenyl-d14
Concen: 0.008 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	50.0	25.4	38.0#
122	54.8	8.1	12.1#





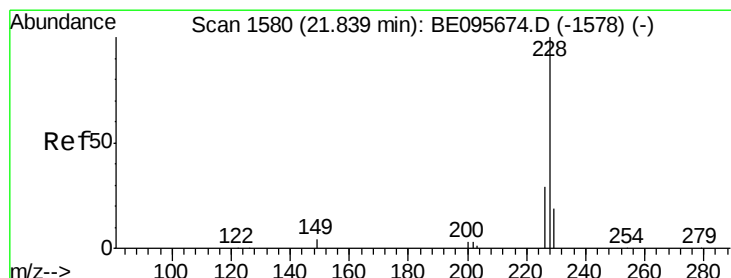
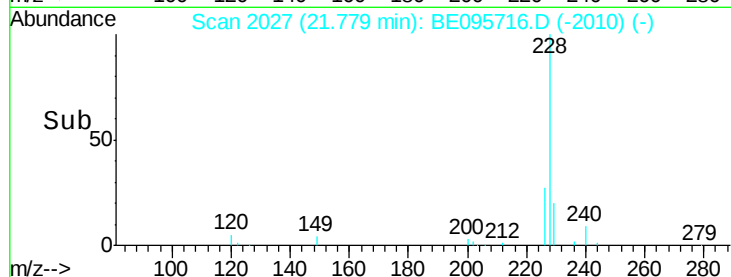
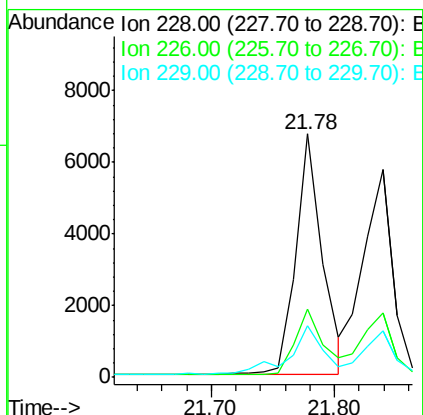
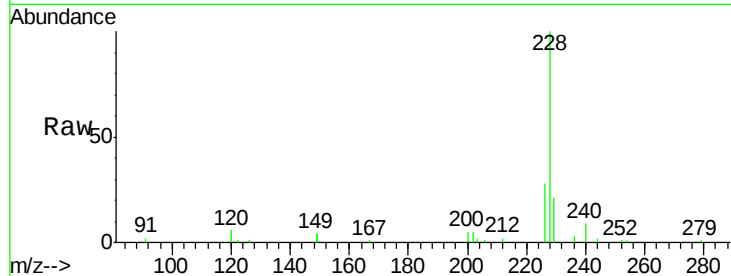
#30
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampleId :
T-12_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	21.0	16.0	24.0

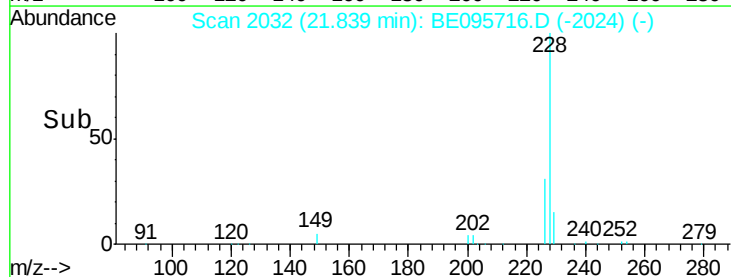
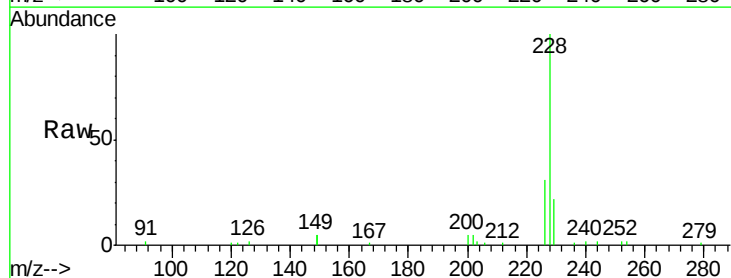
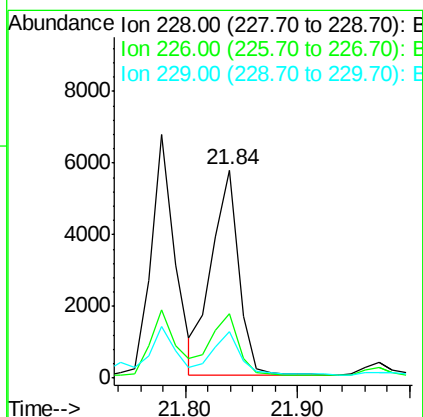
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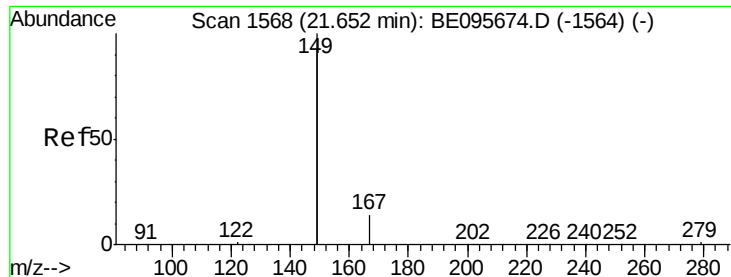
Sohil
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#31
Chrysene
Concen: 0.376 ng
RT: 21.84 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	22.4	16.0	24.0





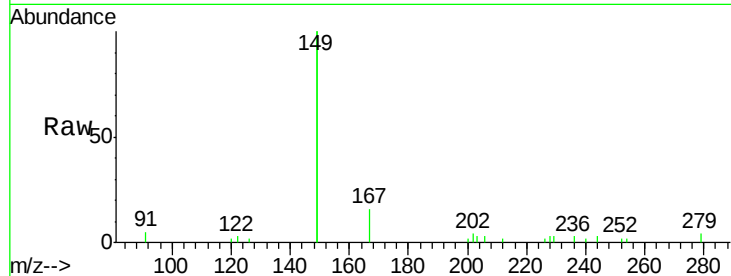
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.167 ng
 RT: 21.66 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BE095716.D
 Acq: 7 Mar 2018 2:21

Instrument :
 BNA_E
 ClientSampleId :
 T-12_030518

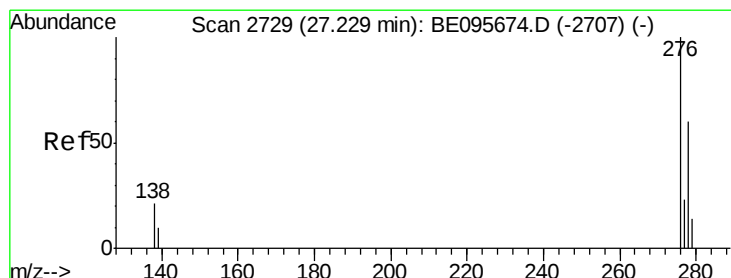
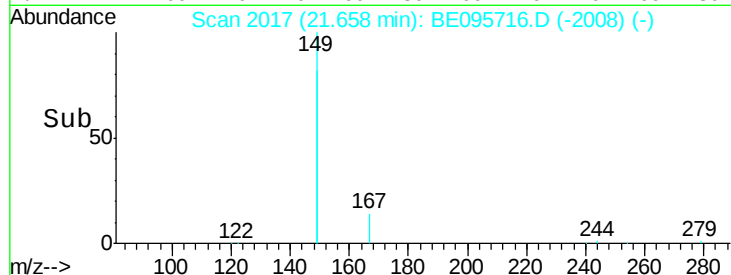
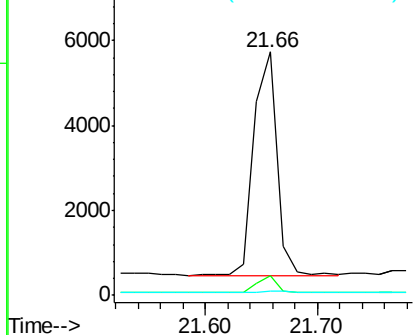
Tot Ion:	149	Resp:	7621
Ion Ratio	Lower	Upper	
149	100		
167	6.7	5.4	8.0
279	1.0	0.7	1.1

Manual Integrations
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 3/7/2018 12:20:33 PM



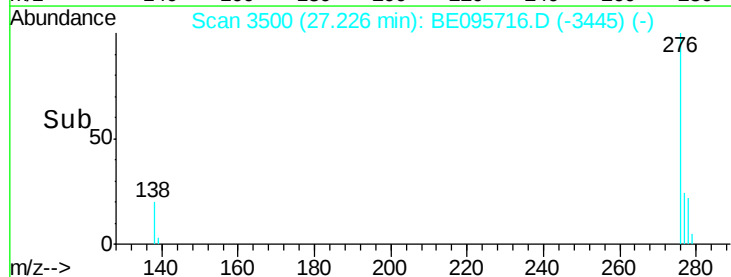
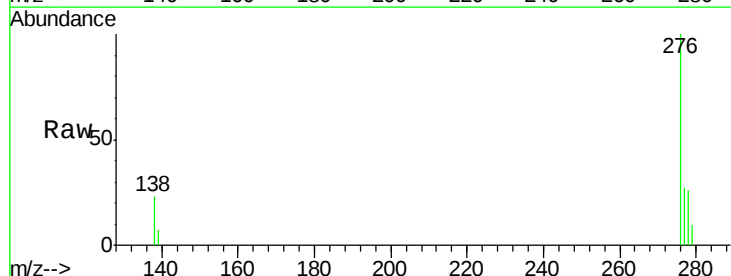
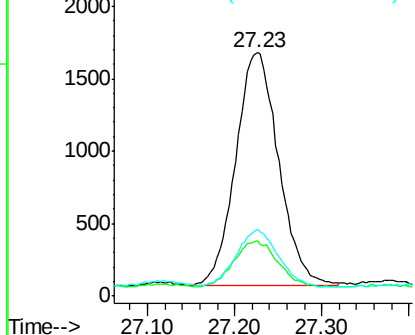
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

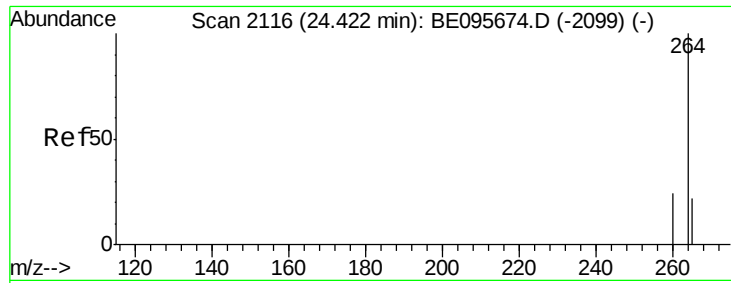


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.221 ng
 RT: 27.23 min Scan# 3500
 Delta R.T. -0.00 min
 Lab File: BE095716.D
 Acq: 7 Mar 2018 2:21

Tgt Ion:	276	Resp:	5491
Ion Ratio	Lower	Upper	
276	100		
138	20.3	22.5	33.7#
277	24.3	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





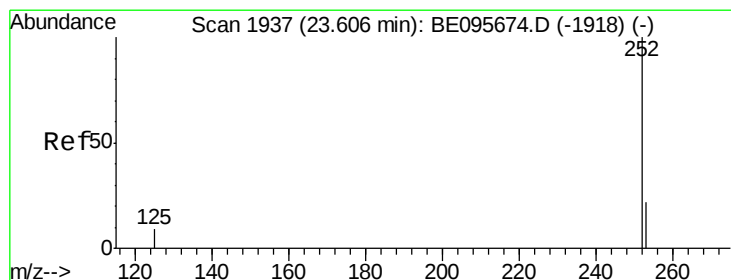
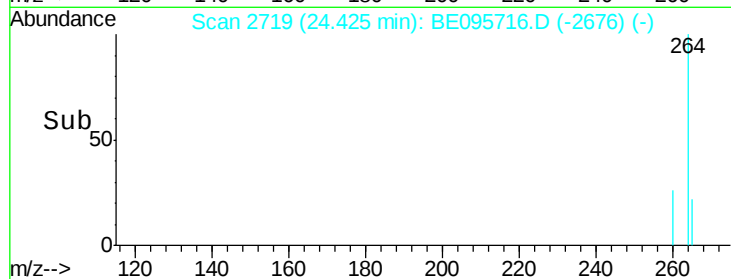
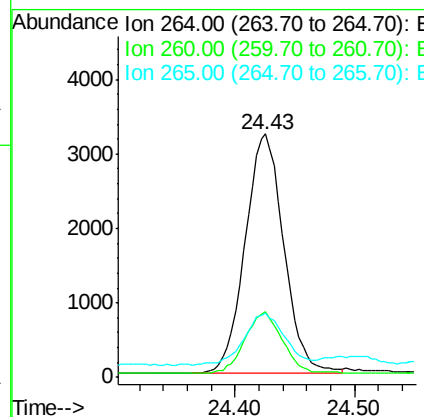
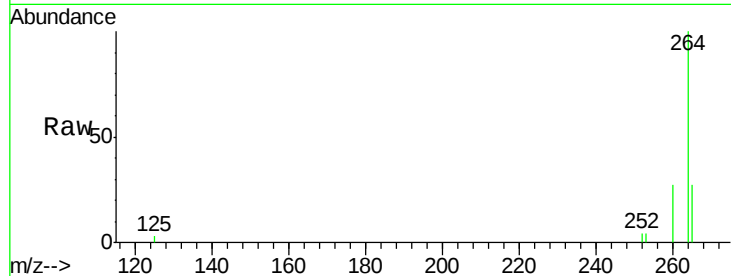
#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampleId :
T-12_030518

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.5	30.7
265	26.6	22.8	34.2

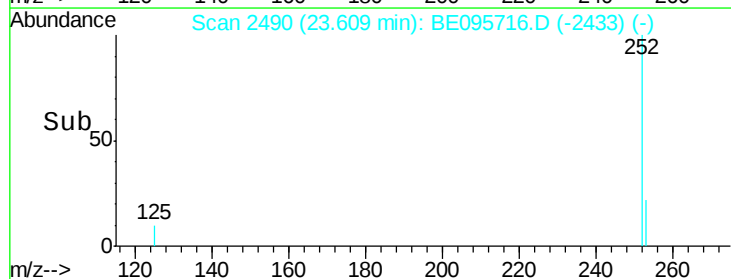
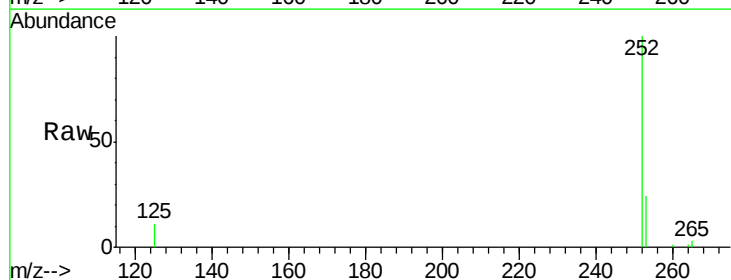
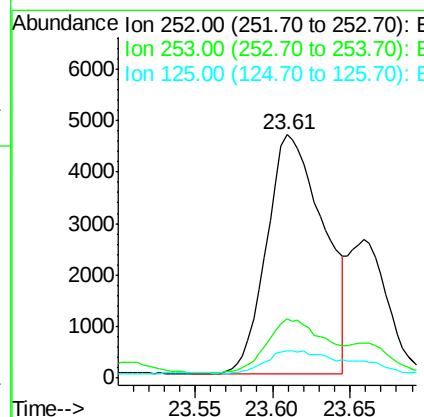
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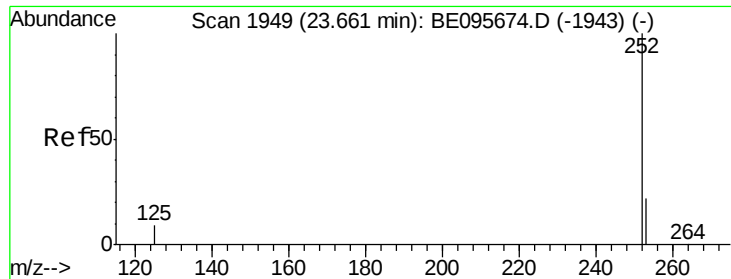
Sohil
3/7/2018 12:20:33 PM



#35
Benzo(b)fluoranthene
Concen: 0.459 ng
RT: 23.61 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.0	30.0
125	11.2	16.0	24.0





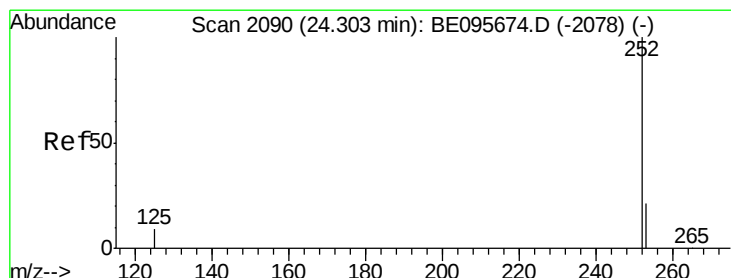
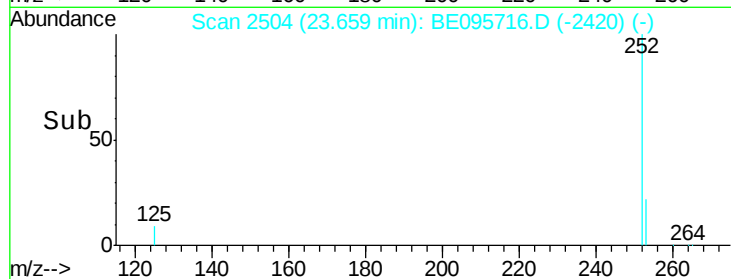
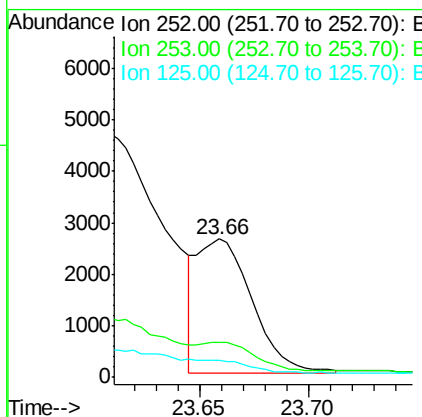
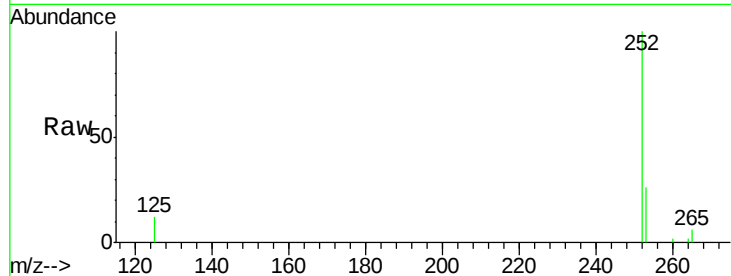
#36
Benzo(k)fluoranthene
Concen: 0.181 ng m
RT: 23.66 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampleId :
T-12_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	16.0	24.0#
125	12.3	8.0	12.0#

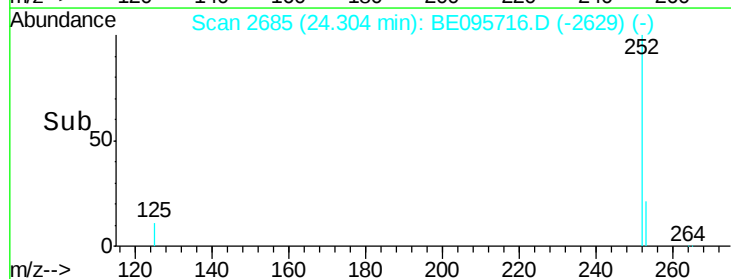
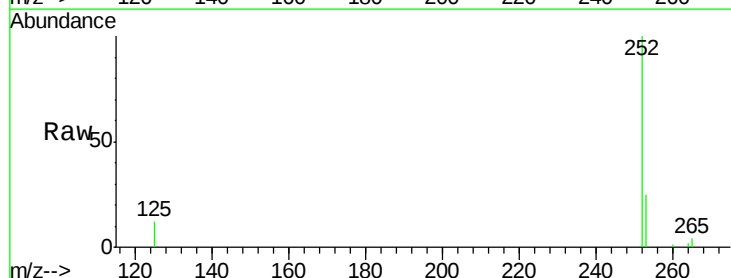
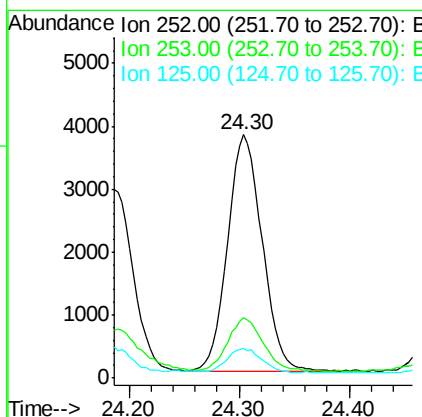
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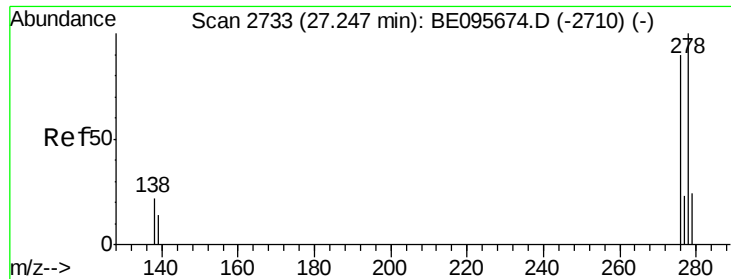
Sohil
3/7/2018 12:20:33 PM



#37
Benzo(a)pyrene
Concen: 0.356 ng
RT: 24.30 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	16.0	24.0#
125	12.4	12.0	18.0





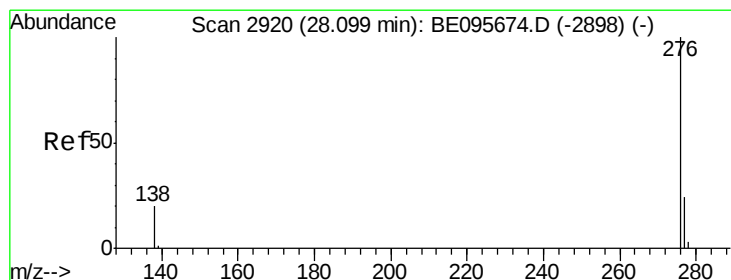
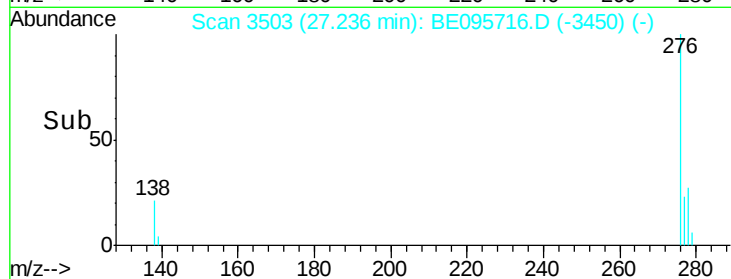
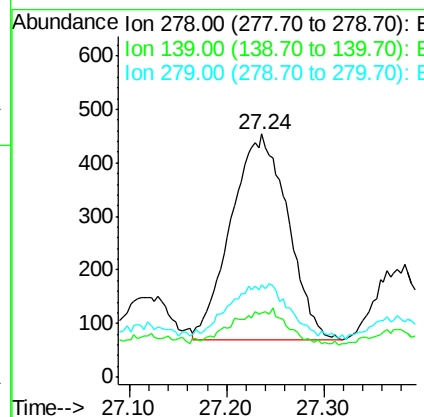
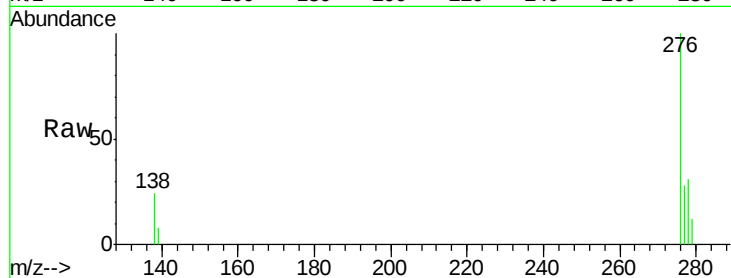
#38
Dibenzo(a,h)anthracene
Concen: 0.075 ng
RT: 27.24 min Scan# 3503
Delta R.T. -0.01 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Instrument :
BNA_E
ClientSampleId :
T-12_030518

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.4	16.0	24.0#
279	37.9	20.0	30.0#

Manual Integrations
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3/7/2018 12:20:33 PM



#39
Benzo(g,h,i)perylene
Concen: 0.250 ng
RT: 28.10 min Scan# 3746
Delta R.T. 0.00 min
Lab File: BE095716.D
Acq: 7 Mar 2018 2:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	16.0	24.0#
138	23.6	20.0	30.0

