

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092518\
 Data File : BE097672.D
 Acq On : 26 Sep 2018 00:03
 Operator : SJ/JU
 Sample : J5033-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20180918

Manual Integrations
 APPROVED

Sohil
 9/26/2018 6:00:24 PM

Quant Time: Sep 26 08:37:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 24 18:40:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	822	0.40	ng	-0.01
7) Naphthalene-d8	10.12	136	4063	0.40	ng	-0.01
13) Acenaphthene-d10	13.99	164	2797	0.40	ng	-0.01
19) Phenanthrene-d10	16.74	188	8391	0.40	ng	-0.01
27) Chrysene-d12	20.95	240	10521	0.40	ng	-0.01
34) Perylene-d12	23.19	264	10227	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	528	0.24	ng	-0.01
5) Phenol-d6	6.58	99	500	0.16	ng	-0.04
8) Nitrobenzene-d5	8.51	82	1550	0.59	ng	-0.04
11) 2-Methylnaphthalene-d10	11.70	152	2668	0.44	ng	-0.02
14) 2,4,6-Tribromophenol	15.49	330	1294	1.01	ng	-0.04
15) 2-Fluorobiphenyl	12.61	172	4880	0.53	ng	-0.02
25) Fluoranthene-d10	18.79	212	48652	0.53	ng	-0.02
29) Terphenyl-d14	19.41	244	9496	0.46	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.07	88	225	0.135	ng	# 64
17) Acenaphthene	14.05	154	186	0.025	ng	# 81
18) Fluorene	15.05	166	216	0.021	ng	90
22) Pentachlorophenol	16.42	266	69	0.098	ng	92
23) Phenanthrene	16.79	178	944	0.048	ng	# 80
24) Anthracene	16.88	178	448	0.027	ng	# 81
26) Fluoranthene	18.82	202	4449	0.187	ng	95
28) Pyrene	19.18	202	3050	0.111	ng	# 94
31) Chrysene	20.99	228	2670m	0.092	ng	
32) Bis(2-ethylhexyl)phthalate	20.89	149	9637	0.339	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.48	276	846	0.028	ng	99
35) Benzo(b)fluoranthene	22.52	252	2222	0.085	ng	# 67
39) Benzo(a,h,i)perylene	26.18	276	903	0.033	ng	# 57

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

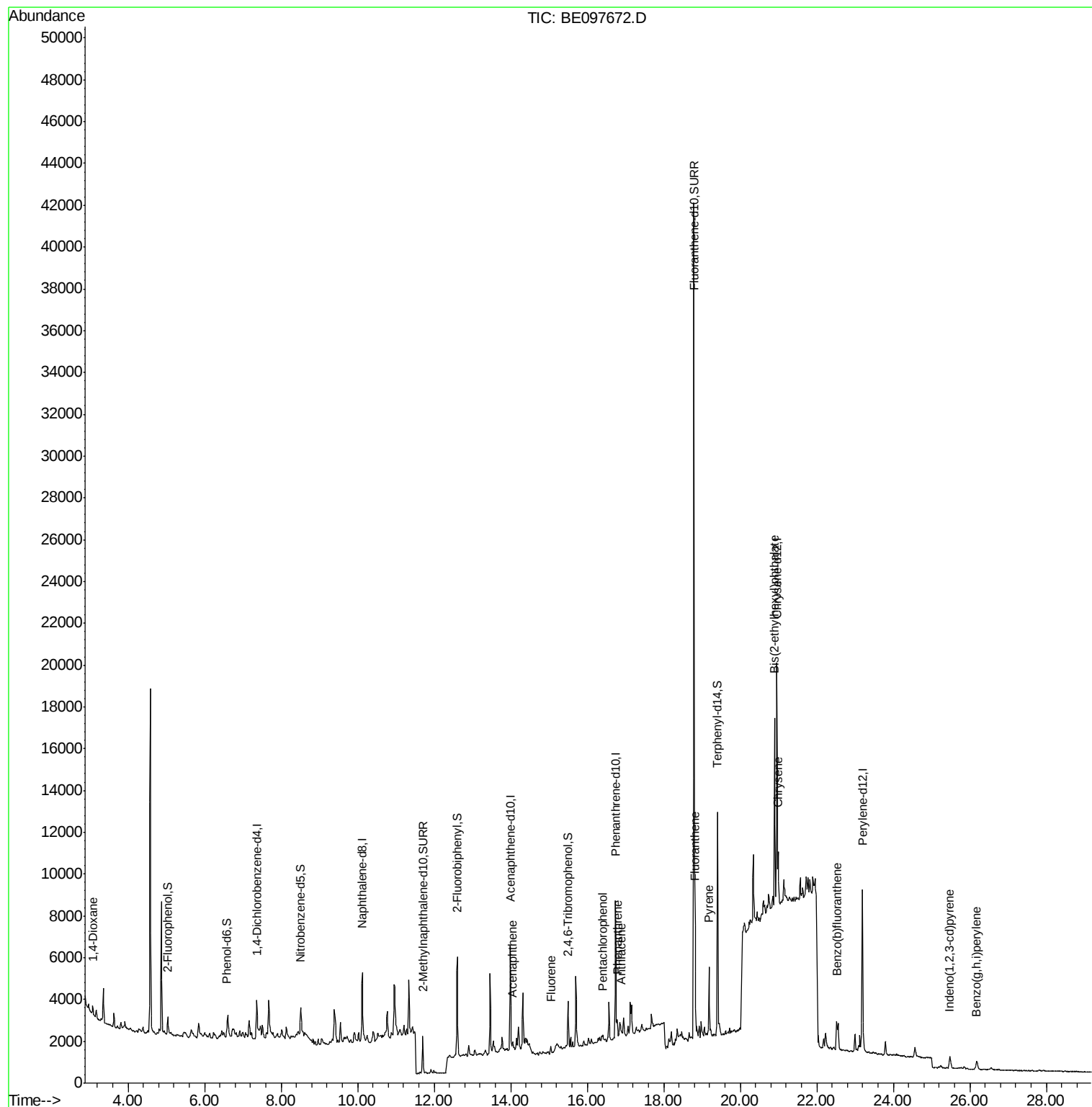
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092518\
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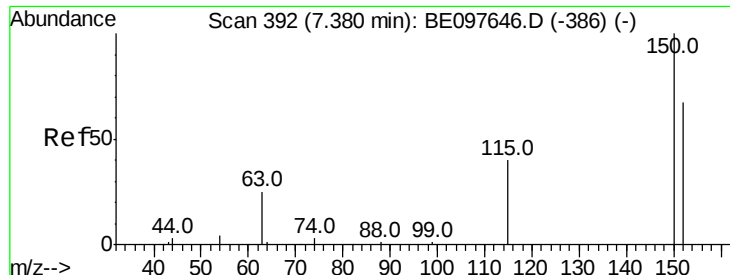
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M
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#1

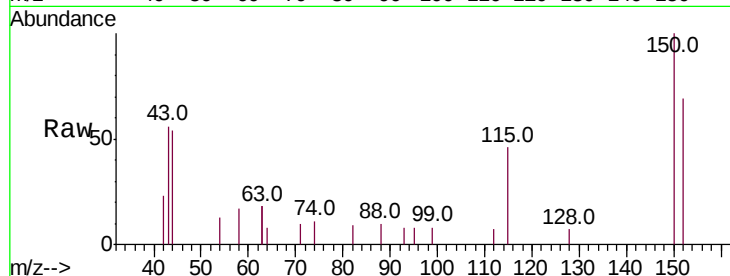
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.9	117.2	175.8
115	66.5	57.0	85.6

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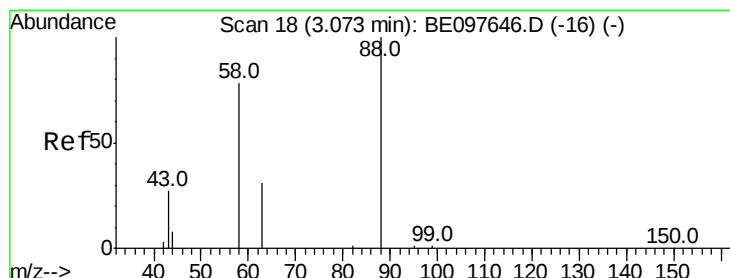
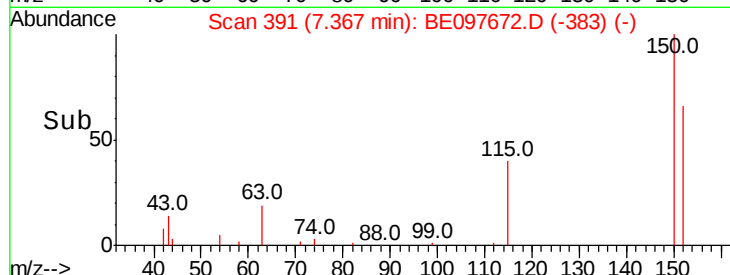
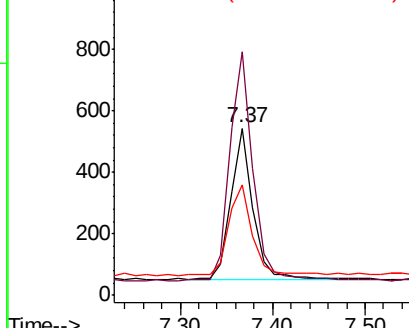


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

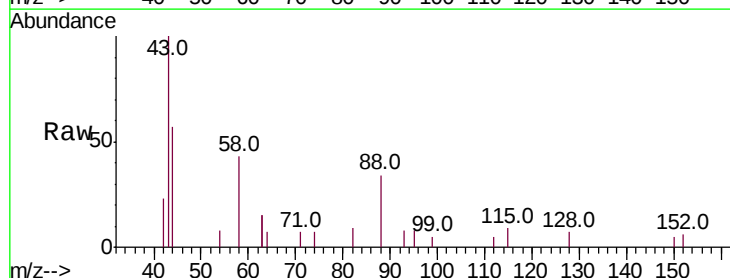
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.135 ng
RT: 3.07 min Scan# 18
Delta R.T. -0.00 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.7	63.2	94.8
43	95.6	41.2	61.8#

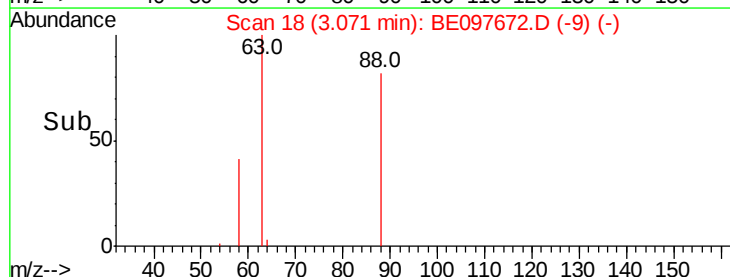
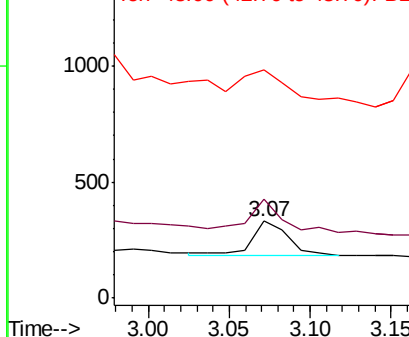


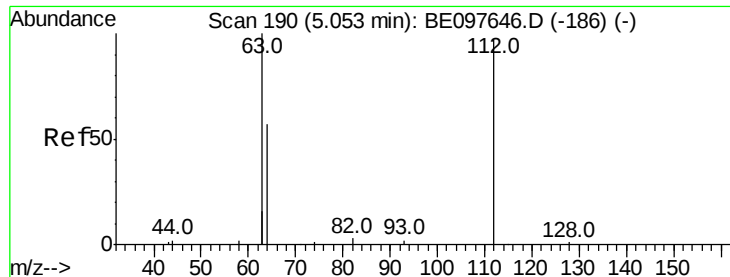
Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.244 ng

RT: 5.04 min Scan# 189

Delta R.T. -0.01 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Instrument :

BNA_E

ClientSampleId :

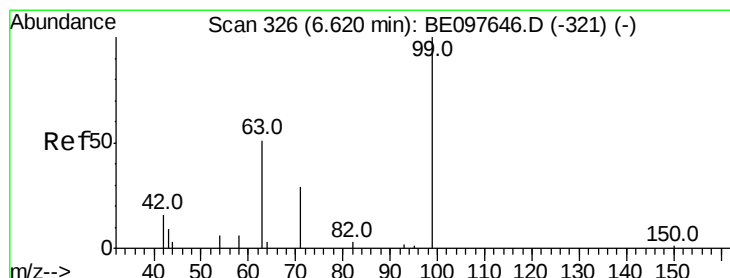
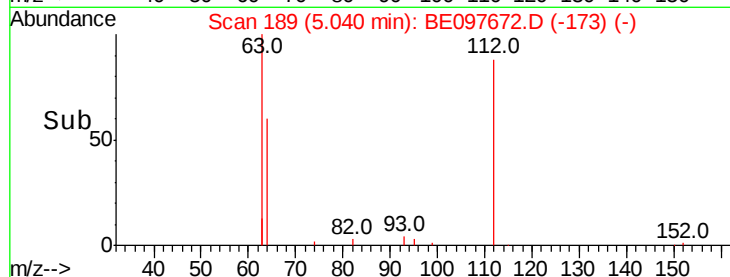
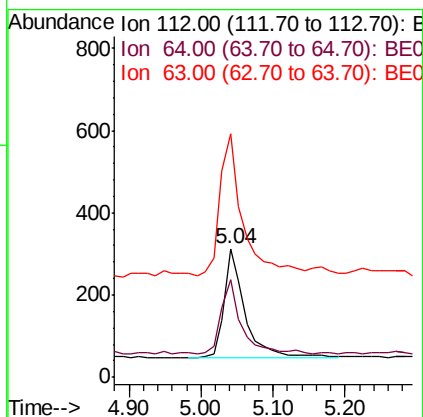
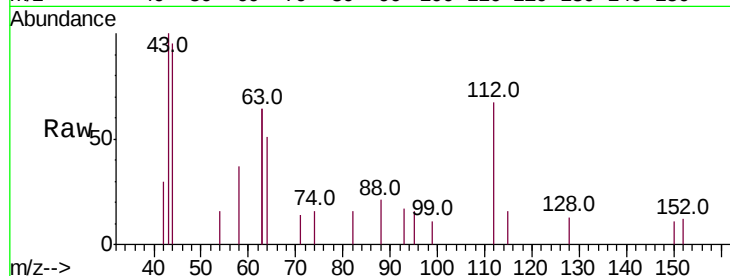
BP-TT-SW4002-20180918

Tot Ion:	112	Resp:	528
Ion Ratio	Lower	Upper	
112	100		
64	66.7	60.1	90.1
63	143.6	116.8	175.2

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#5

Phenol-d6

Concen: 0.164 ng

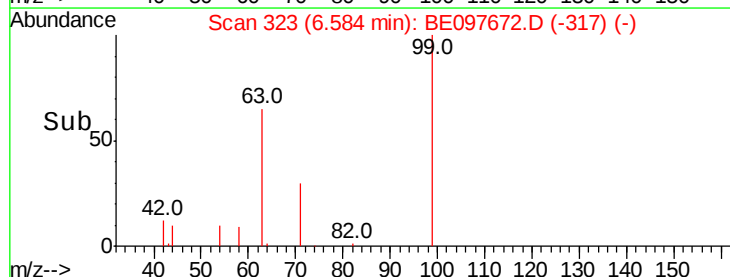
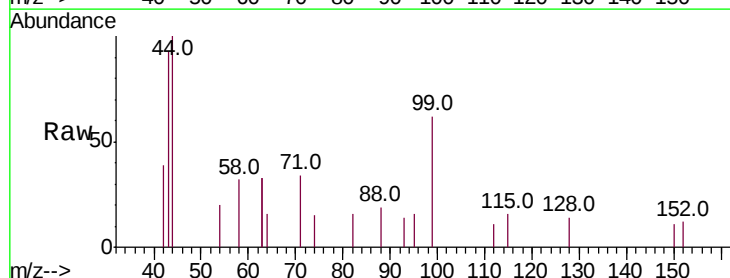
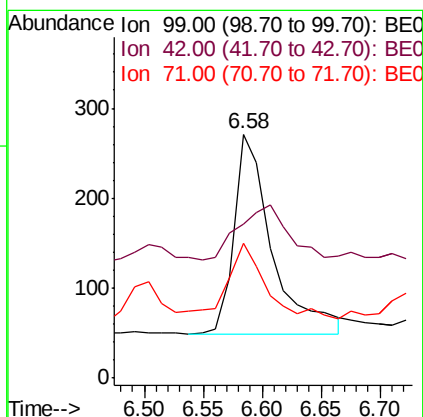
RT: 6.58 min Scan# 323

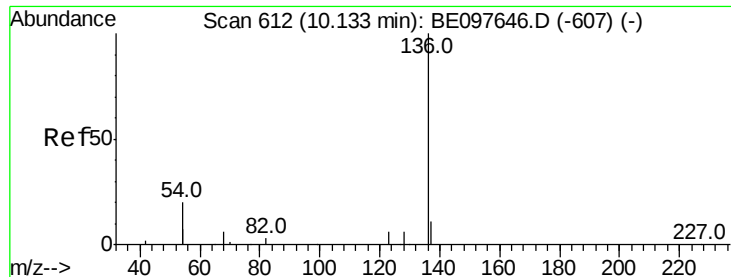
Delta R.T. -0.04 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Tgt Ion:	99	Resp:	500
Ion Ratio	Lower	Upper	
99	100		
42	0.0	20.2	30.2#
71	37.4	28.4	42.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.12 min Scan# 611

Delta R.T. -0.01 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Instrument :

BNA_E

ClientSampleId :

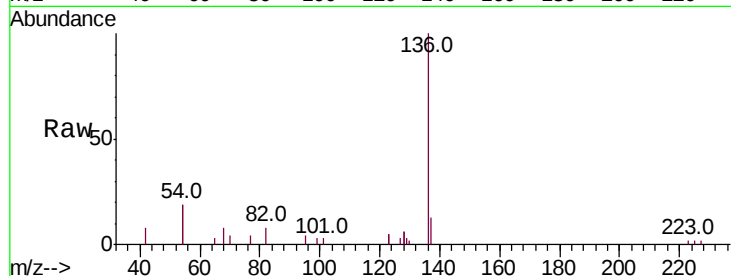
BP-TT-SW4002-20180918

Tot Ion:	136	Resp:	4063
Ion Ratio	Lower	Upper	
136	100		
137	13.3	9.5	14.3
54	38.3	29.1	43.7
68	8.4	6.2	9.2

Manual Integrations
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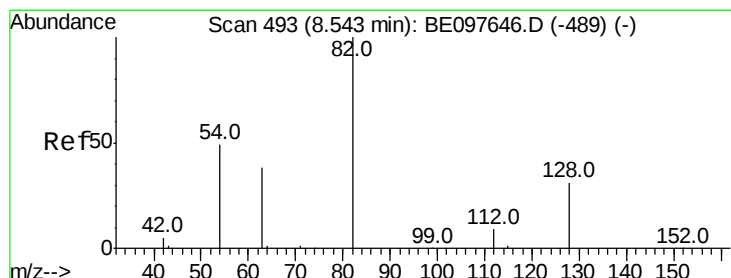
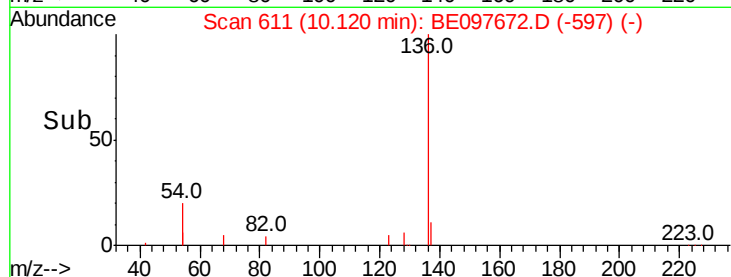
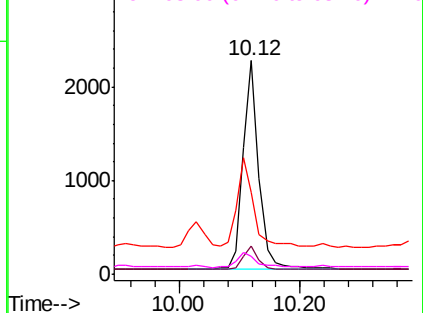


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.589 ng

RT: 8.51 min Scan# 490

Delta R.T. -0.04 min

Lab File: BE097672.D

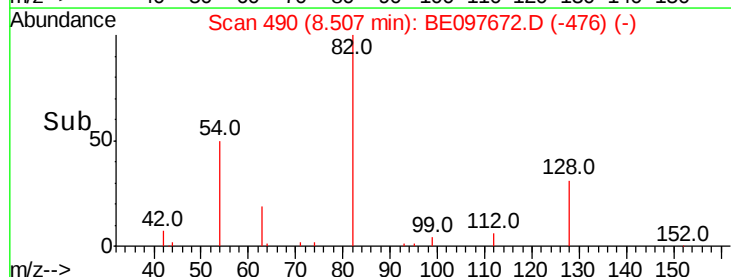
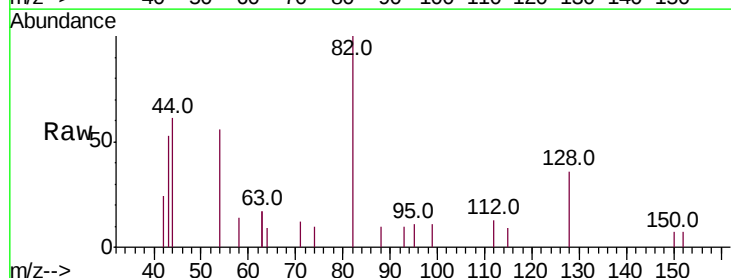
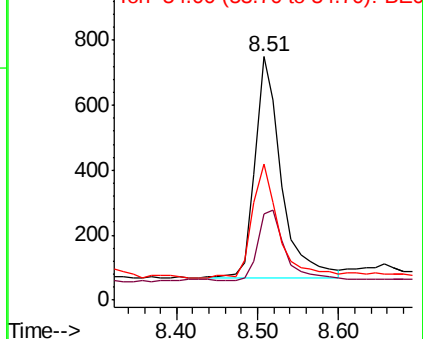
Acq: 26 Sep 2018 00:03

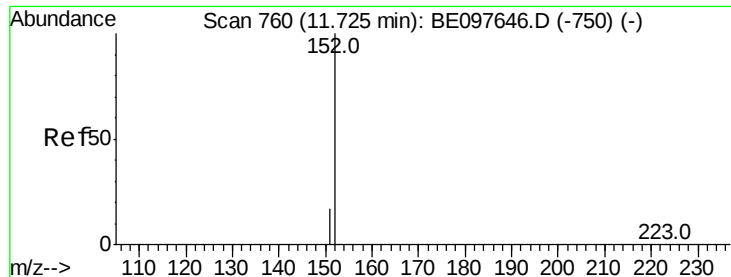
Tgt Ion:	82	Resp:	1550
Ion Ratio	Lower	Upper	
82	100		
128	35.6	24.0	36.0
54	55.9	40.0	60.0

Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





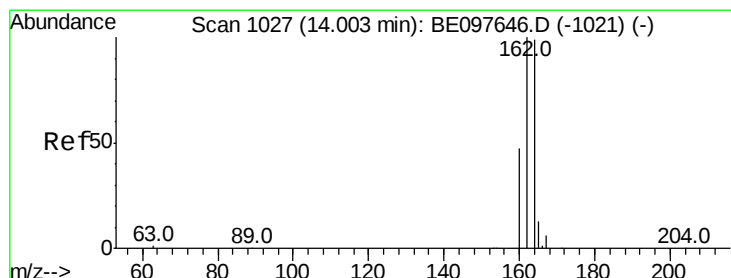
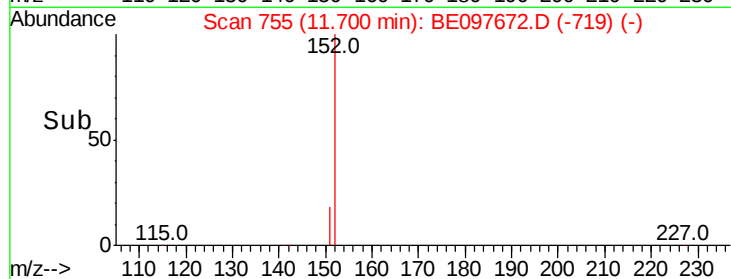
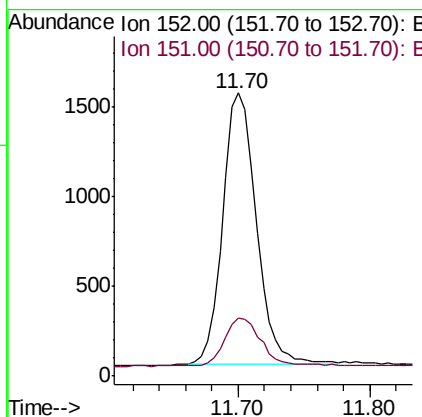
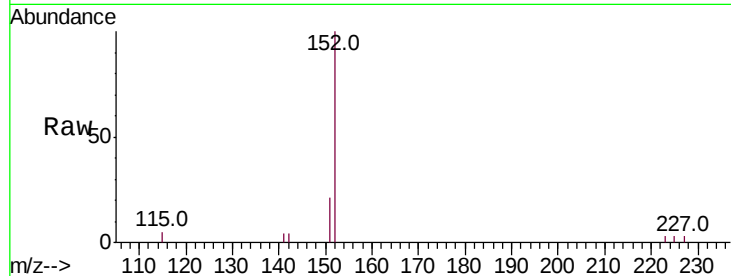
#11
2-Methylnaphthalene-d10
Concen: 0.443 ng
RT: 11.70 min Scan# 755
Delta R.T. -0.02 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.0

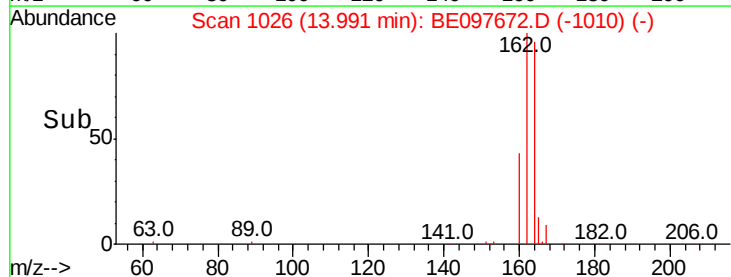
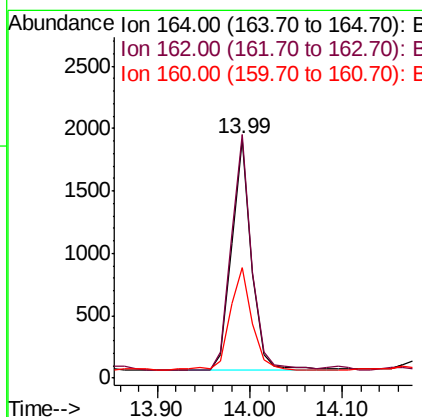
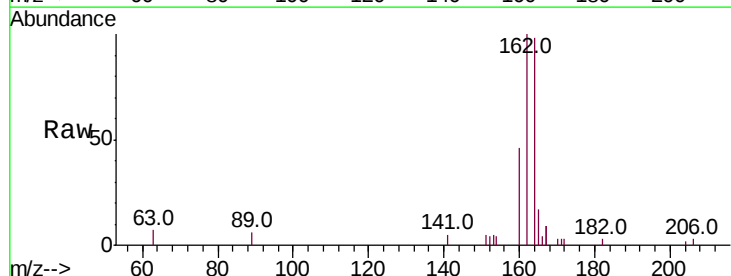
Manual Integrations
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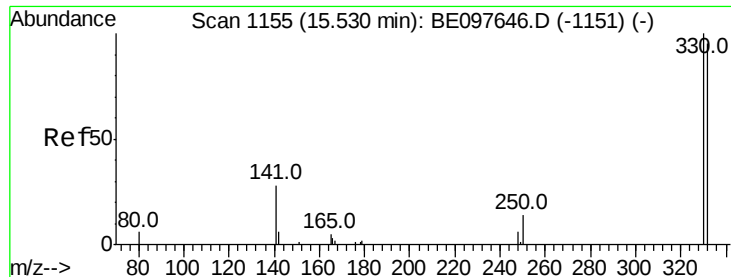
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 13.99 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.1	124.7
160	46.5	37.1	55.7





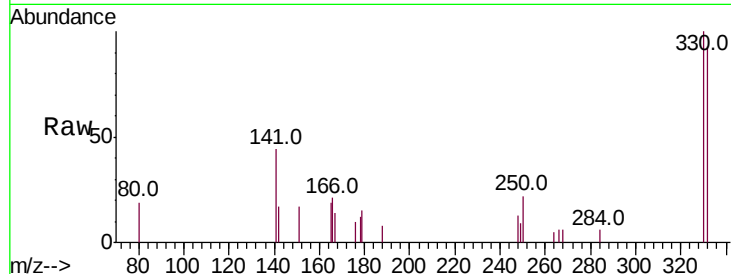
#14
 2,4,6-Tribromophenol
 Concen: 1.014 ng
 RT: 15.49 min Scan# 1152
 Delta R.T. -0.04 min
 Lab File: BE097672.D
 Acq: 26 Sep 2018 00:03

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	152.7	229.1#
141	43.0	33.7	50.5

Manual Integrations
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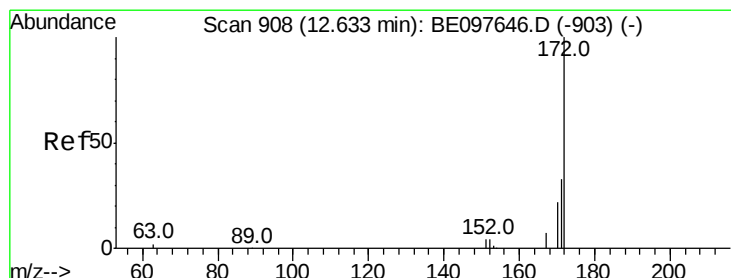
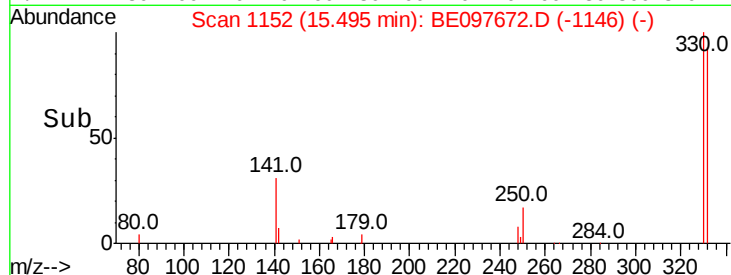
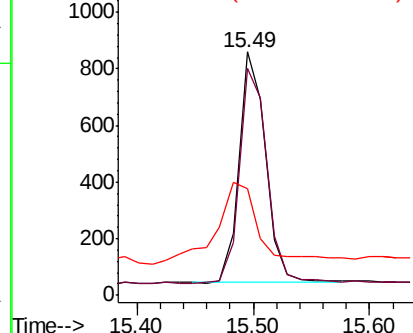


Abundance

Ion 330.00 (329.70 to 330.70): E

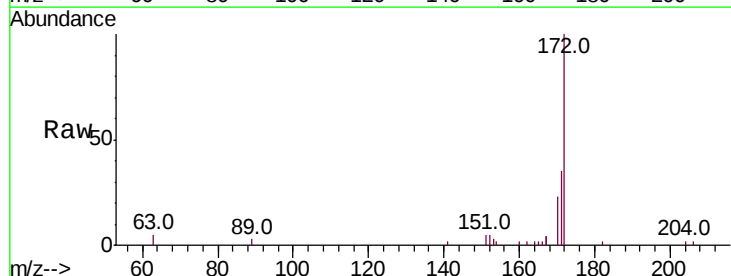
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15
 2-Fluorobiphenyl
 Concen: 0.535 ng
 RT: 12.61 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: BE097672.D
 Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.9	44.9
170	23.0	21.8	32.8

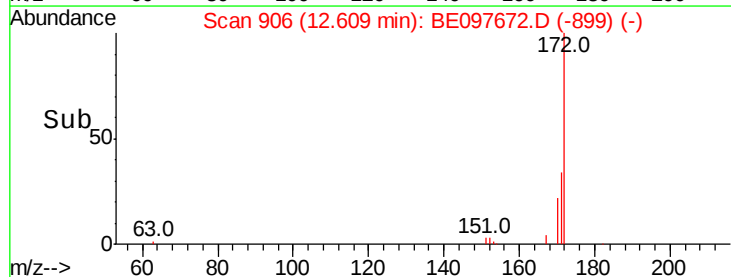
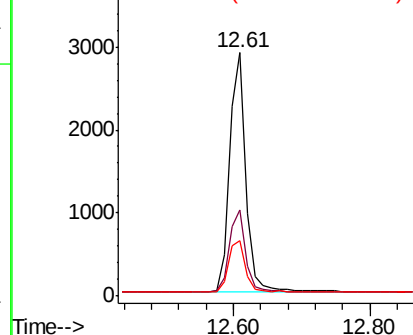


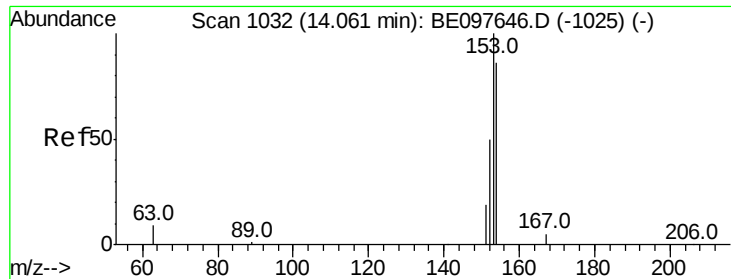
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





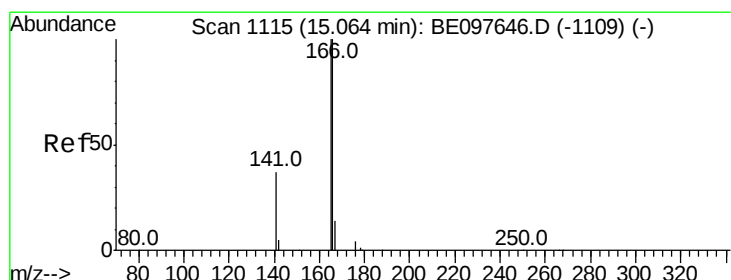
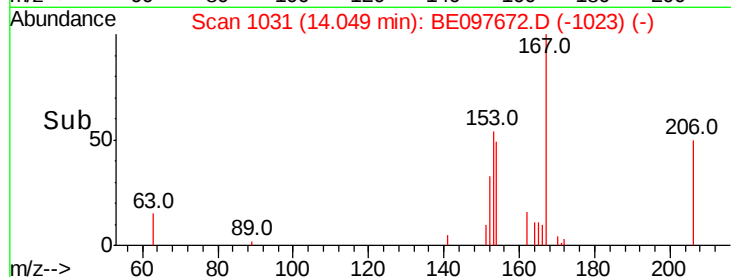
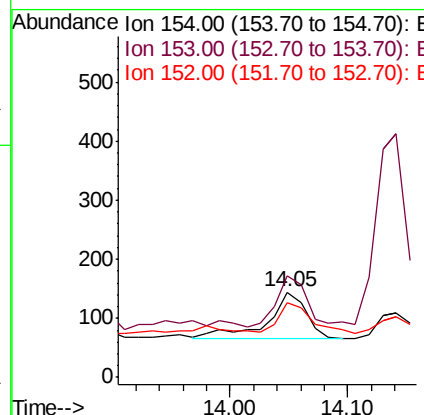
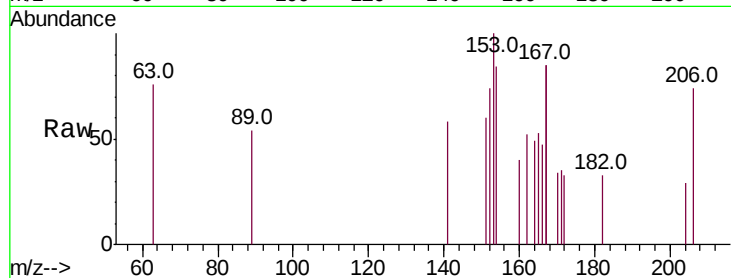
#17
Acenaphthene
Concen: 0.025 ng
RT: 14.05 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
154	100		
153	82.3	89.2	133.8#
152	53.8	42.0	63.0

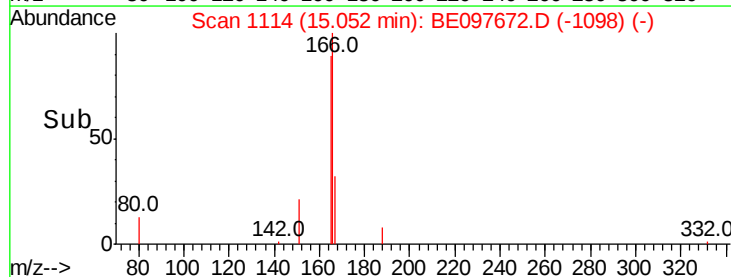
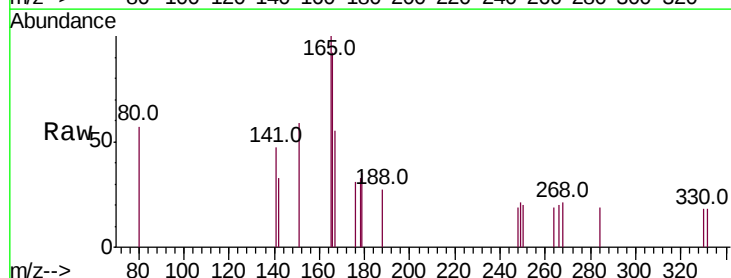
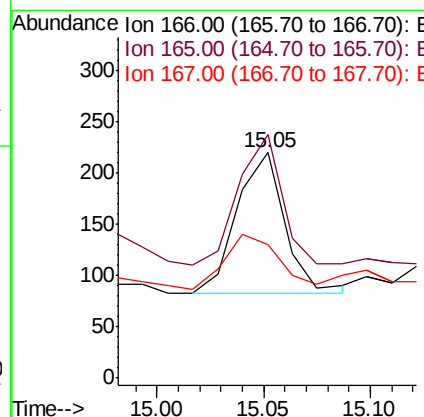
Manual Integrations
APPROVED

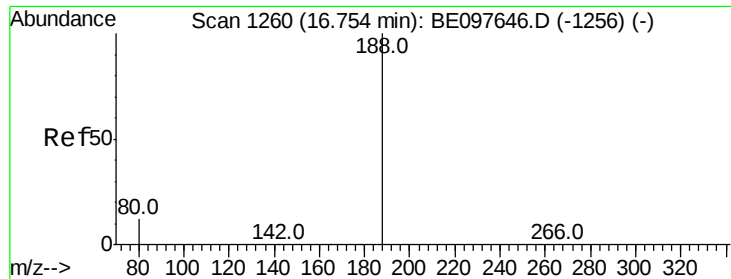
Sohil
9/26/2018 6:00:24 PM



#18
Fluorene
Concen: 0.021 ng
RT: 15.05 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.8	77.8	116.6
167	43.5	42.4	63.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.74 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Instrument :

BNA_E

ClientSampleId :

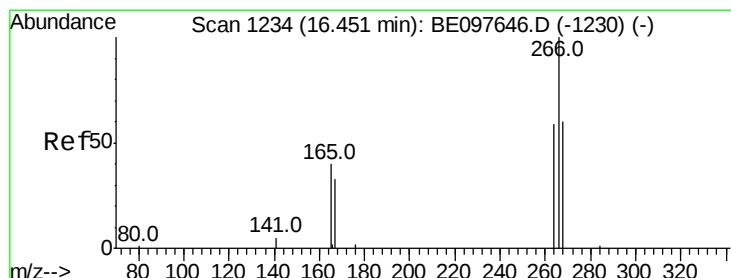
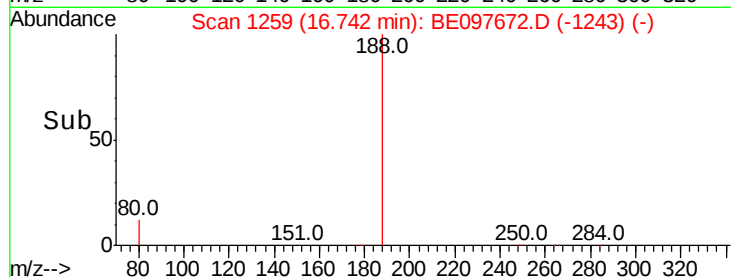
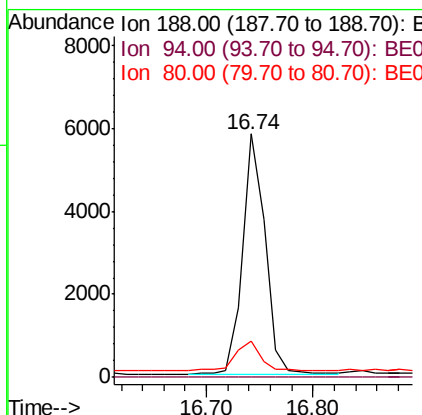
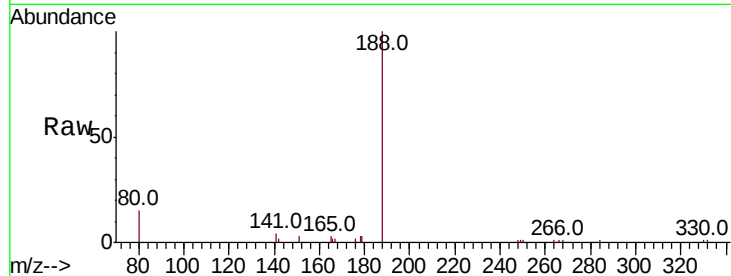
BP-TT-SW4002-20180918

Tot Ion:	188	Resp:	8391
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	15.0	3.6	5.4#

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#22

Pentachlorophenol

Concen: 0.098 ng

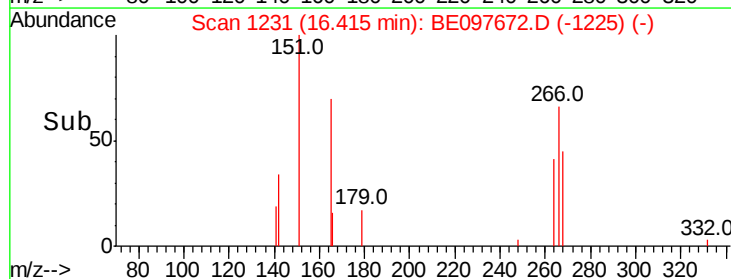
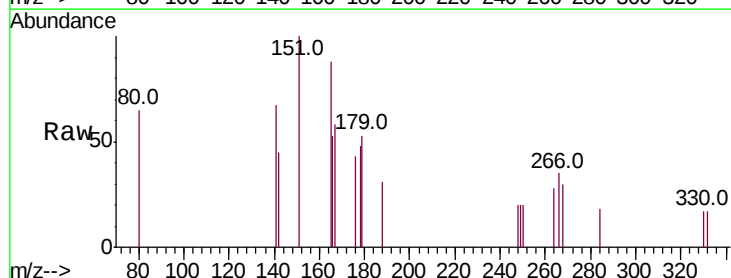
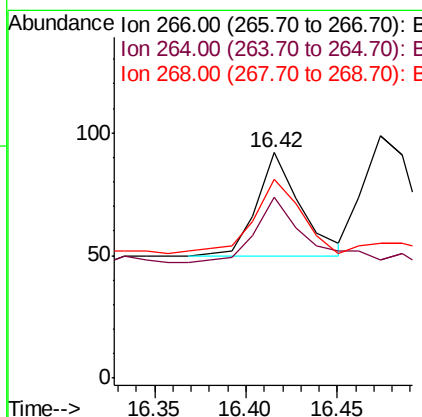
RT: 16.42 min Scan# 1231

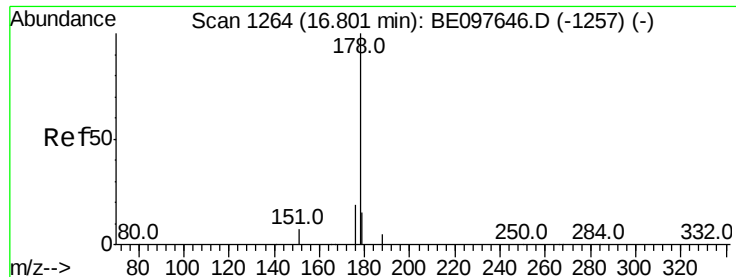
Delta R.T. -0.04 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Tgt Ion:	266	Resp:	69
Ion Ratio	Lower	Upper	
266	100		
264	80.4	72.5	108.7
268	88.0	73.8	110.6





#23

Phenanthrene

Concen: 0.048 ng

RT: 16.79 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Instrument :

BNA_E

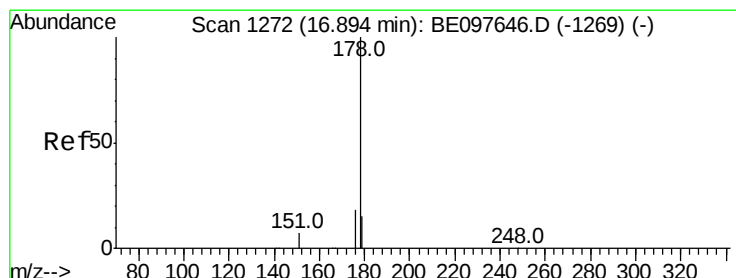
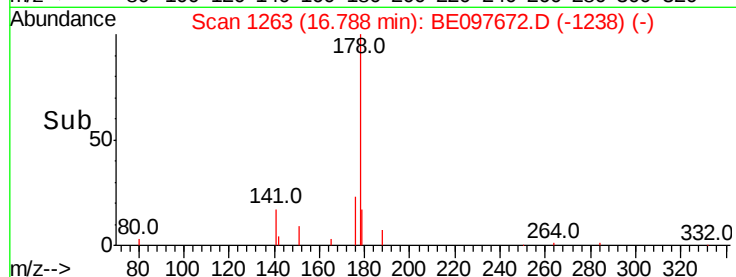
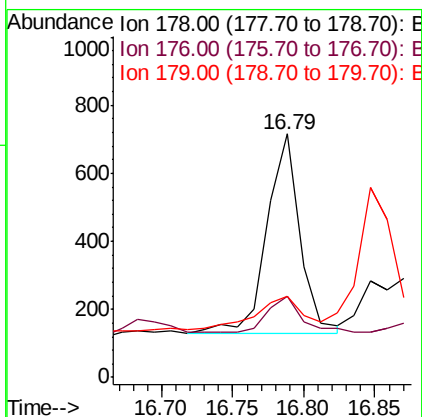
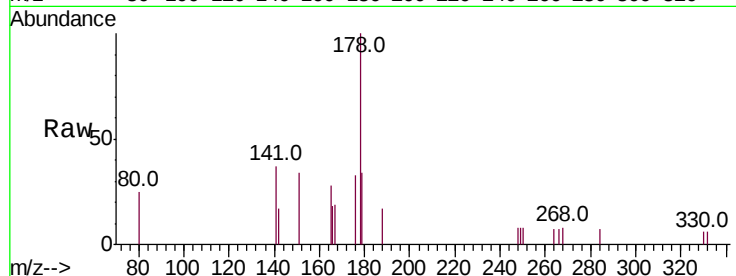
ClientSampleId :

BP-TT-SW4002-20180918

Tot Ion:178	Resp:	944
Ion Ratio	Lower	Upper
178 100		
176 24.9	15.1	22.7#
179 26.7	11.8	17.6#

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#24

Anthracene

Concen: 0.027 ng

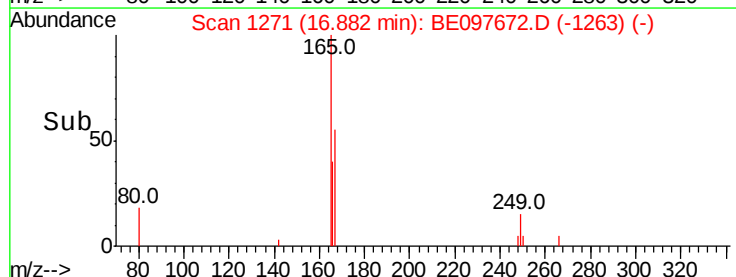
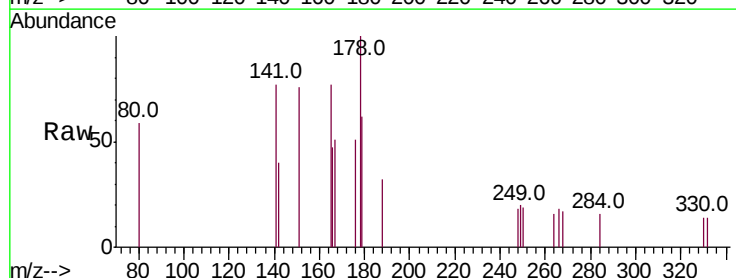
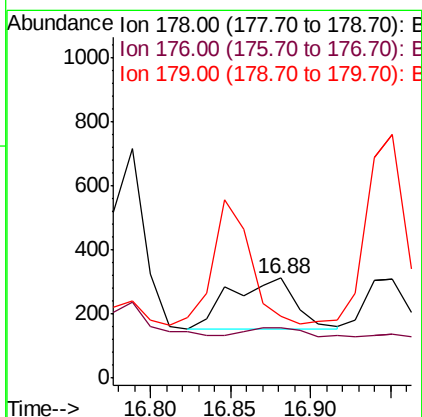
RT: 16.88 min Scan# 1271

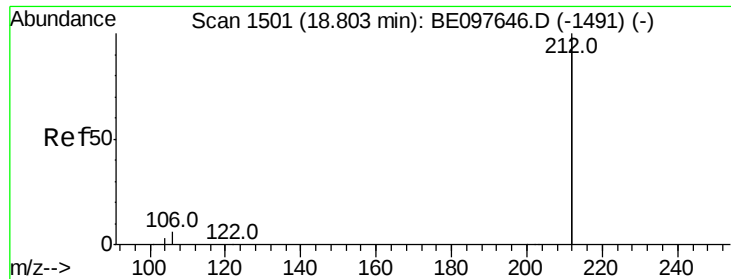
Delta R.T. -0.01 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Tgt Ion:178	Resp:	448
Ion Ratio	Lower	Upper
178 100		
176 15.8	12.8	19.2
179 0.0	13.0	19.6#





#25

Fluoranthene-d10

Concen: 0.532 ng

RT: 18.79 min Scan# 1499

Delta R.T. -0.02 min

Lab File: BE097672.D

Acq: 26 Sep 2018 00:03

Instrument :

BNA_E

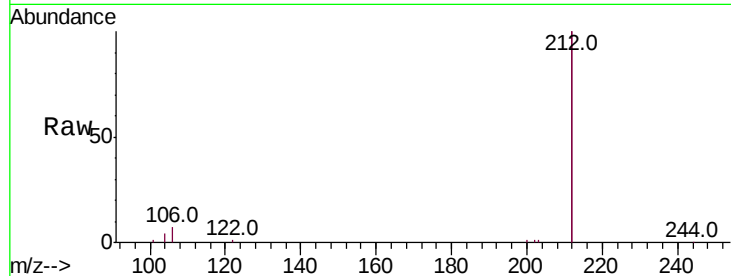
ClientSampleId :

BP-TT-SW4002-20180918

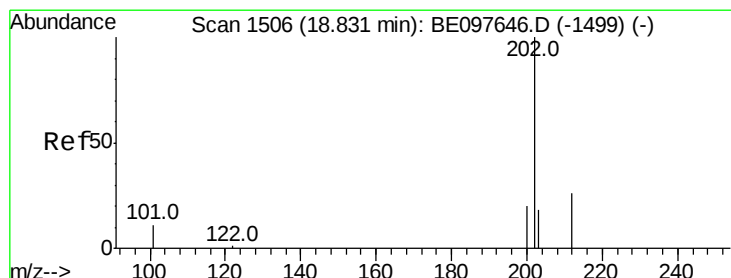
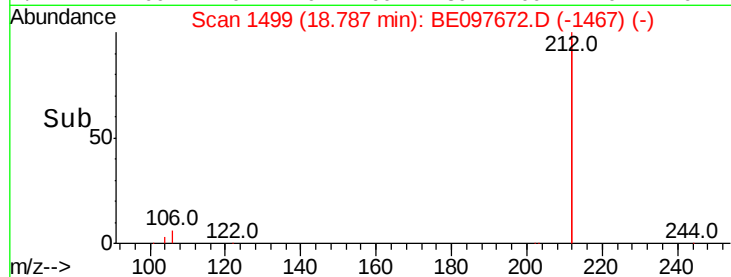
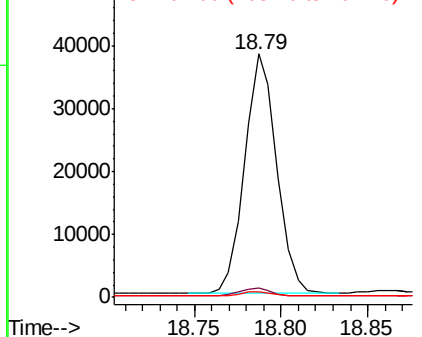
Tot Ion:	212	Resp:	48652
Ion Ratio	Lower	Upper	
212	100		
106	3.4	2.8	4.2
104	1.9	1.6	2.4

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.187 ng

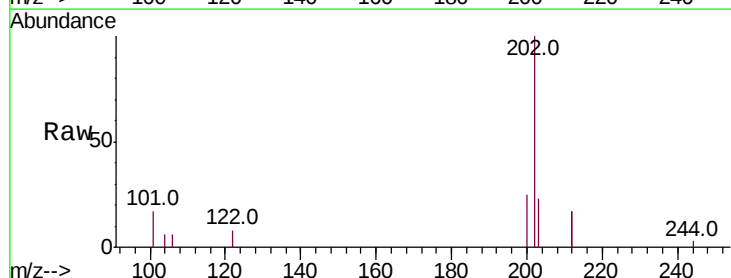
RT: 18.82 min Scan# 1504

Delta R.T. -0.02 min

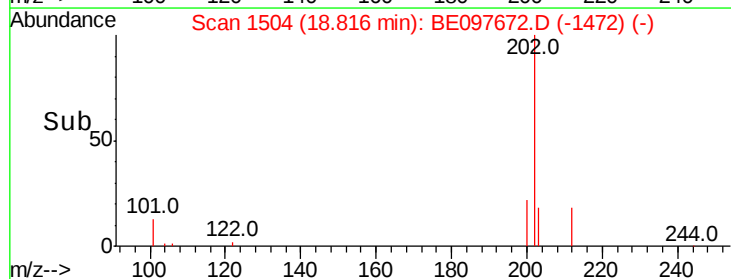
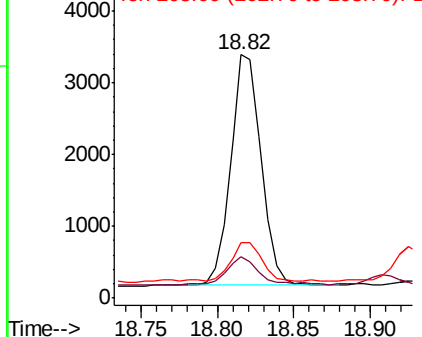
Lab File: BE097672.D

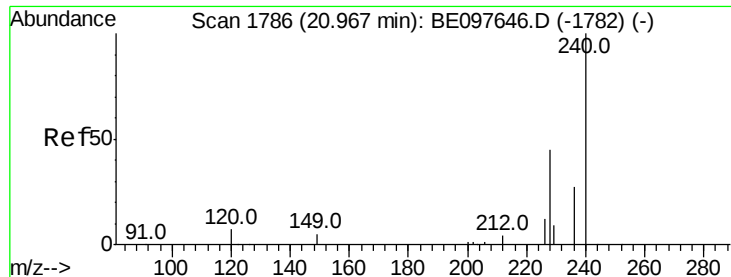
Acq: 26 Sep 2018 00:03

Tgt Ion:	202	Resp:	4449
Ion Ratio	Lower	Upper	
202	100		
101	13.8	9.8	14.8
203	19.9	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





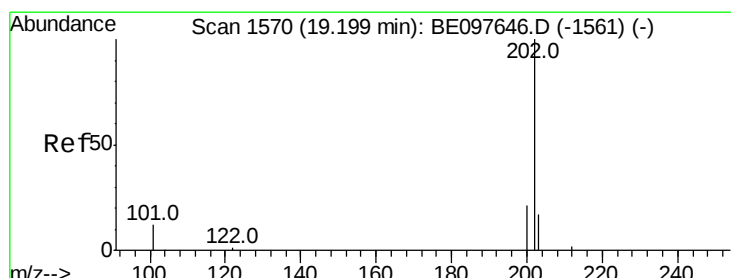
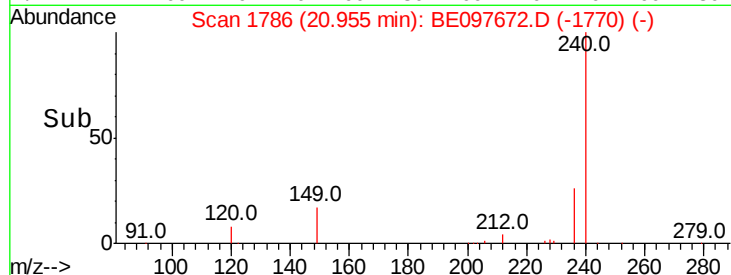
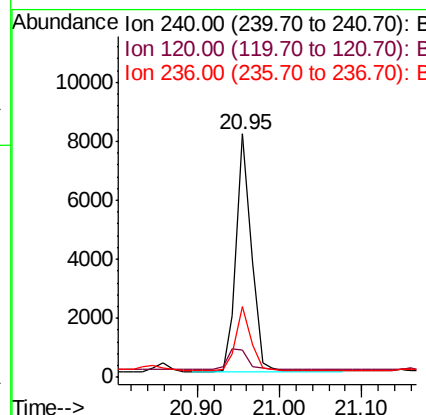
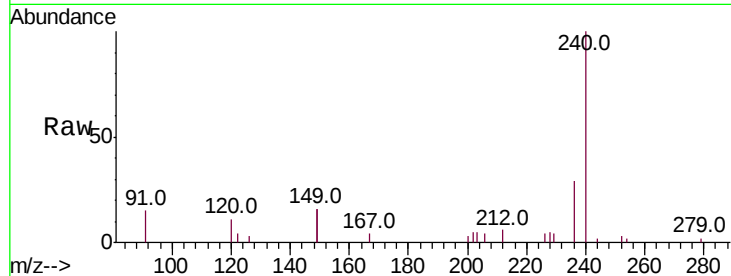
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	5.5	8.3#
236	29.1	20.7	31.1

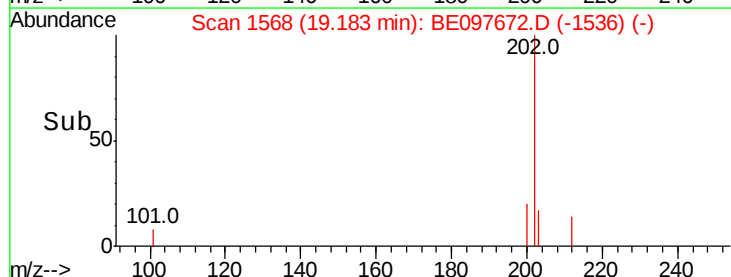
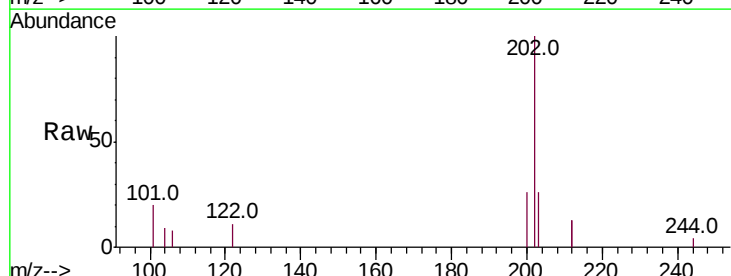
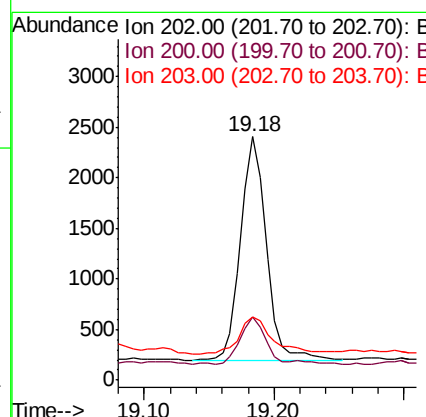
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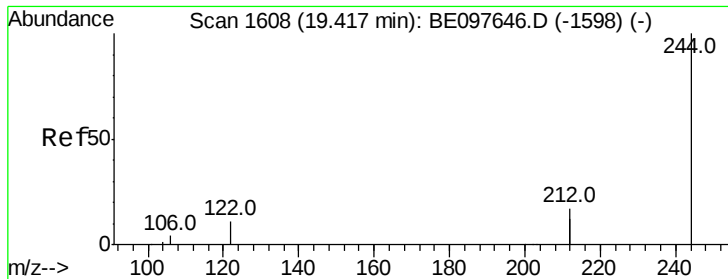
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#28
Pyrene
Concen: 0.111 ng
RT: 19.18 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.2	16.6	25.0
203	21.3	13.8	20.8#





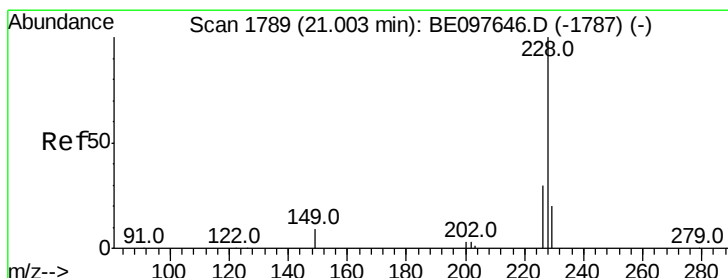
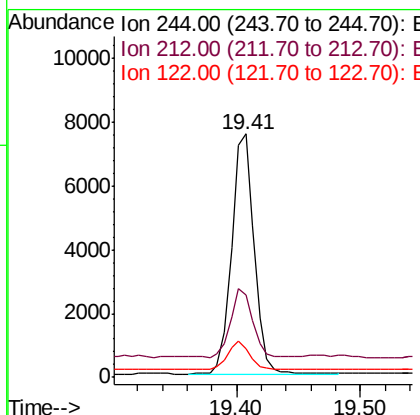
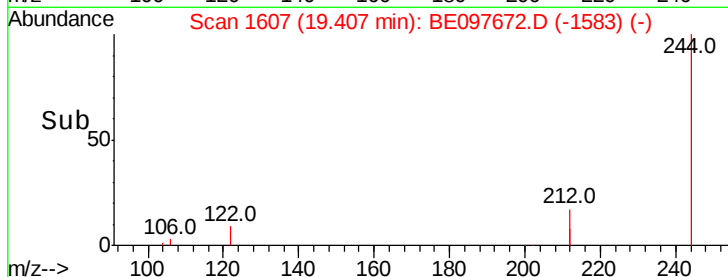
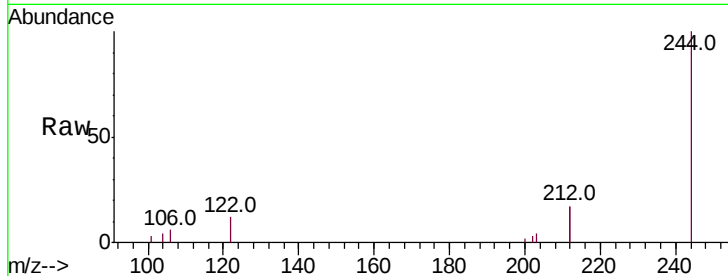
#29
 Terphenyl-d14
 Concen: 0.458 ng
 RT: 19.41 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BE097672.D
 Acq: 26 Sep 2018 00:03

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
244	100		
212	33.7	25.4	38.0
122	11.9	8.1	12.1

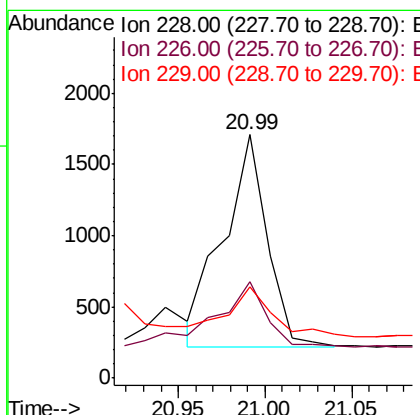
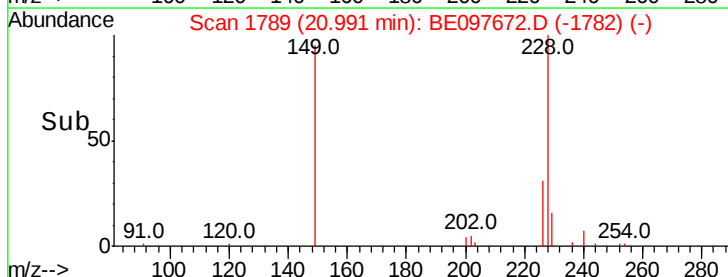
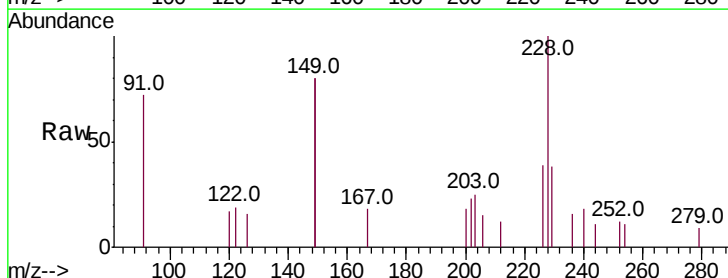
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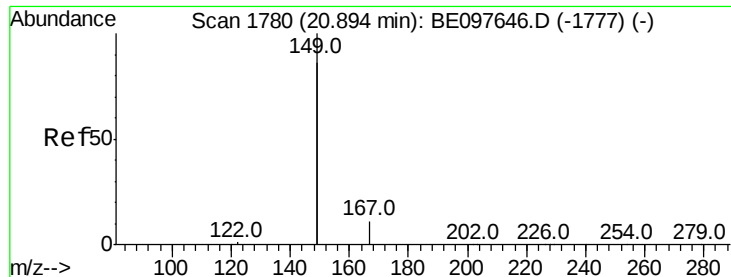
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#31
 Chrysene
 Concen: 0.092 ng m
 RT: 20.99 min Scan# 1789
 Delta R.T. -0.01 min
 Lab File: BE097672.D
 Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.4	24.0	36.0#
229	37.5	16.0	24.0#





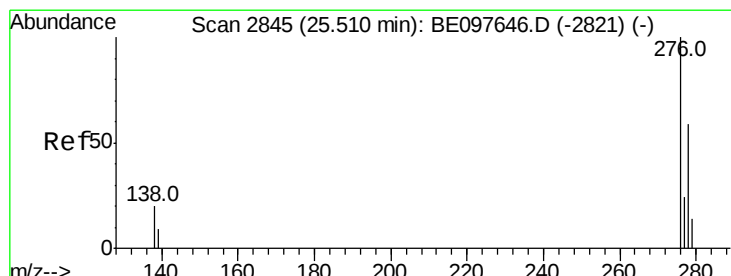
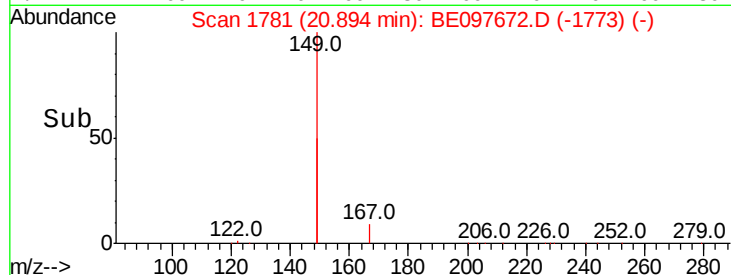
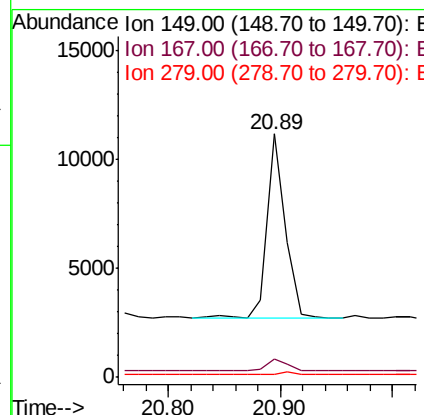
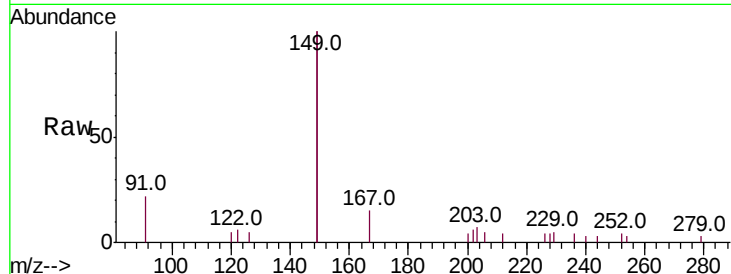
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.339 ng
 RT: 20.89 min Scan# 1781
 Delta R.T. 0.00 min
 Lab File: BE097672.D
 Acq: 26 Sep 2018 00:03

Instrument :
 BNA_E
 ClientSampleId :
 BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.6	0.7	1.1#

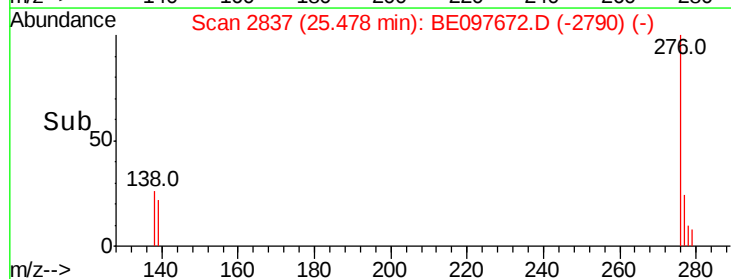
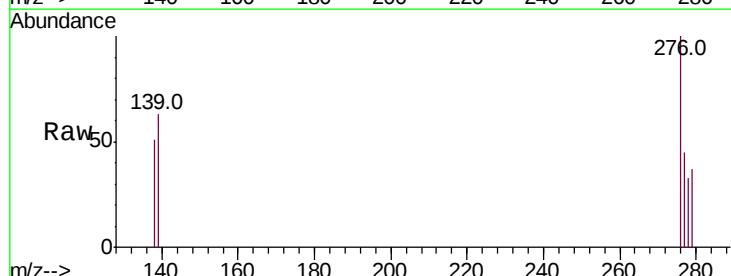
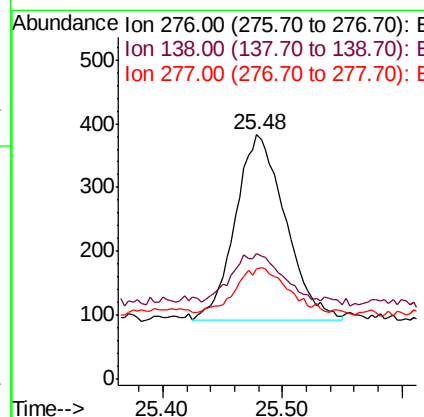
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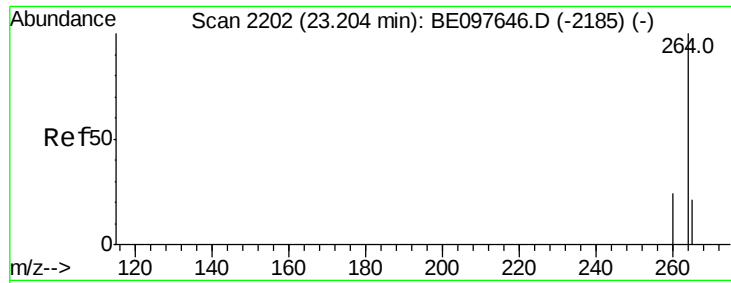
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.028 ng
 RT: 25.48 min Scan# 2837
 Delta R.T. -0.03 min
 Lab File: BE097672.D
 Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.5	33.7
277	24.8	19.9	29.9





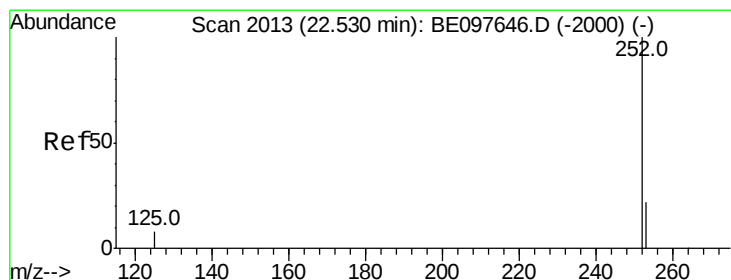
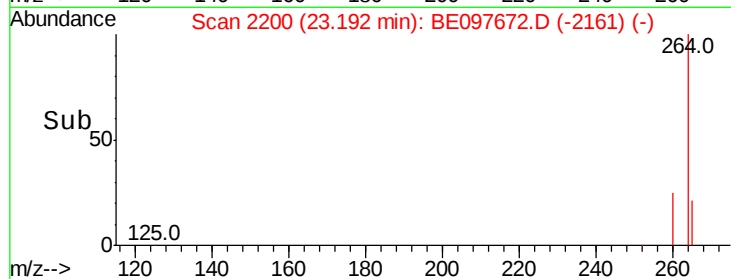
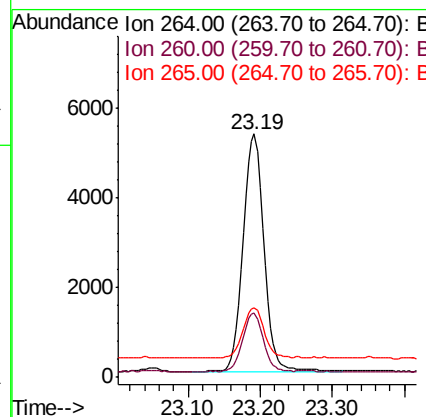
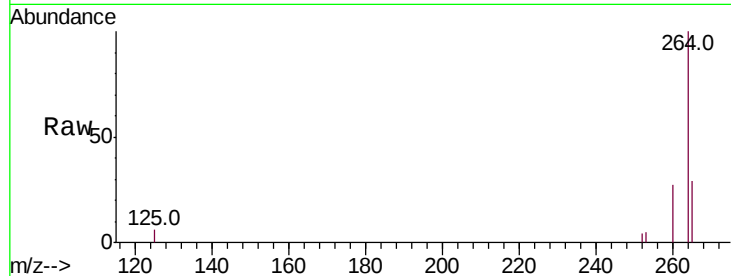
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Instrument :
BNA_E
ClientSampleId :
BP-TT-SW4002-20180918

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.5	30.7
265	28.8	22.8	34.2

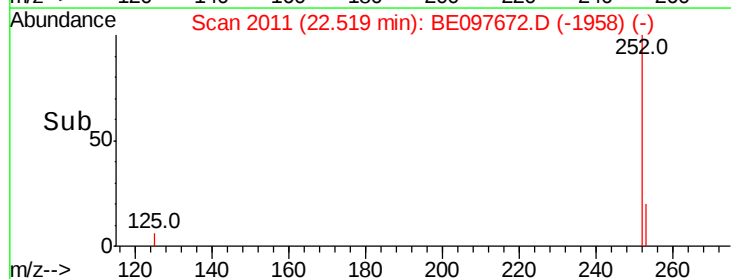
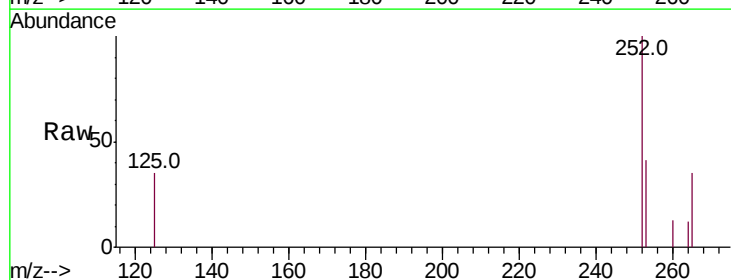
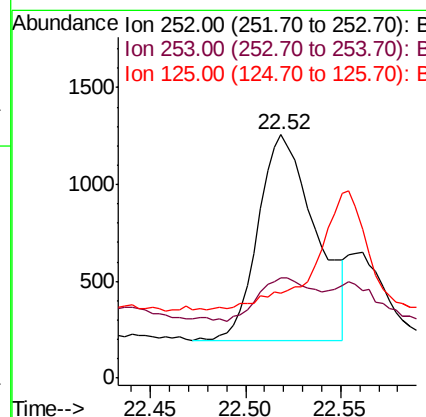
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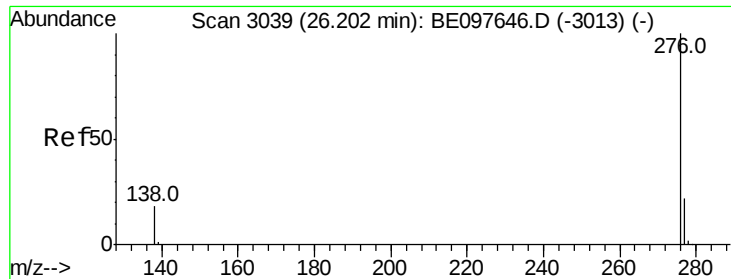
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#35
Benzo(b)fluoranthene
Concen: 0.085 ng
RT: 22.52 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BE097672.D
Acq: 26 Sep 2018 00:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.4	20.0	30.0#
125	35.1	16.0	24.0#





#39

Benzo(a,h,i)perylene

Concen: 0.033 ng

RT: 26.18 min Scan# 3033

Delta R.T. -0.02 min

Lab File: BE097672.D

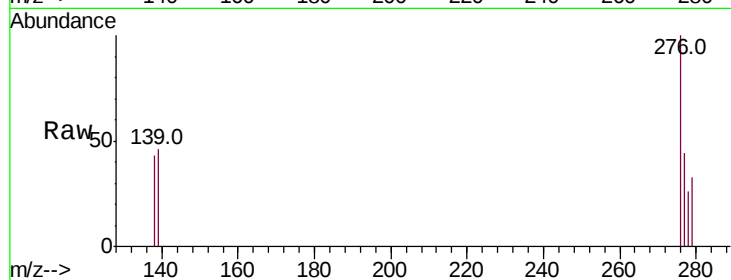
Acq: 26 Sep 2018 00:03

Instrument :

BNA_E

ClientSampleId :

BP-TT-SW4002-20180918



Tot Ion	Ratio	Lower	Upper
276	100		
277	43.9	16.0	24.0#
138	43.1	20.0	30.0#

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