

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
 Data File : BE097600.D
 Acq On : 21 Sep 2018 8:02
 Operator : SJ/JU
 Sample : J4980-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BPSI-HN-MW29IR-20180916

Manual Integrations
 APPROVED

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 9/21/2018 4:09:50 PM

Quant Time: Sep 21 13:32:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	795	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	3670	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2233	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	7141	0.40	ng	0.01
27) Chrysene-d12	20.97	240	10398	0.40	ng	0.00
34) Perylene-d12	23.20	264	10104	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	343	0.14	ng	0.00
5) Phenol-d6	6.63	99	251m	0.08	ng	0.02
8) Nitrobenzene-d5	8.55	82	880	0.31	ng	0.02
11) 2-Methylnaphthalene-d10	11.73	152	1946	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	328	0.39	ng	0.01
15) 2-Fluorobiphenyl	12.62	172	3787	0.48	ng	0.00
25) Fluoranthene-d10	18.80	212	36306	0.40	ng	0.00
29) Terphenyl-d14	19.41	244	8377	0.44	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.08	88	122	0.054	ng	# 60
23) Phenanthrene	16.80	178	691	0.041	ng	# 94
26) Fluoranthene	18.83	202	1581	0.067	ng	# 99
28) Pyrene	19.20	202	1408	0.059	ng	# 95
30) Benzo(a)anthracene	20.95	228	661	0.025	ng	# 86
31) Chrysene	21.00	228	1010	0.036	ng	# 83
32) Bis(2-ethylhexyl)phthalate	20.89	149	4352	0.109	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.51	276	681	0.020	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	1354	0.052	ng	# 76
37) Benzo(a)pyrene	23.10	252	760	0.049	ng	# 39
39) Benzo(a,h,i)perylene	26.21	276	727	0.028	ng	# 70

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

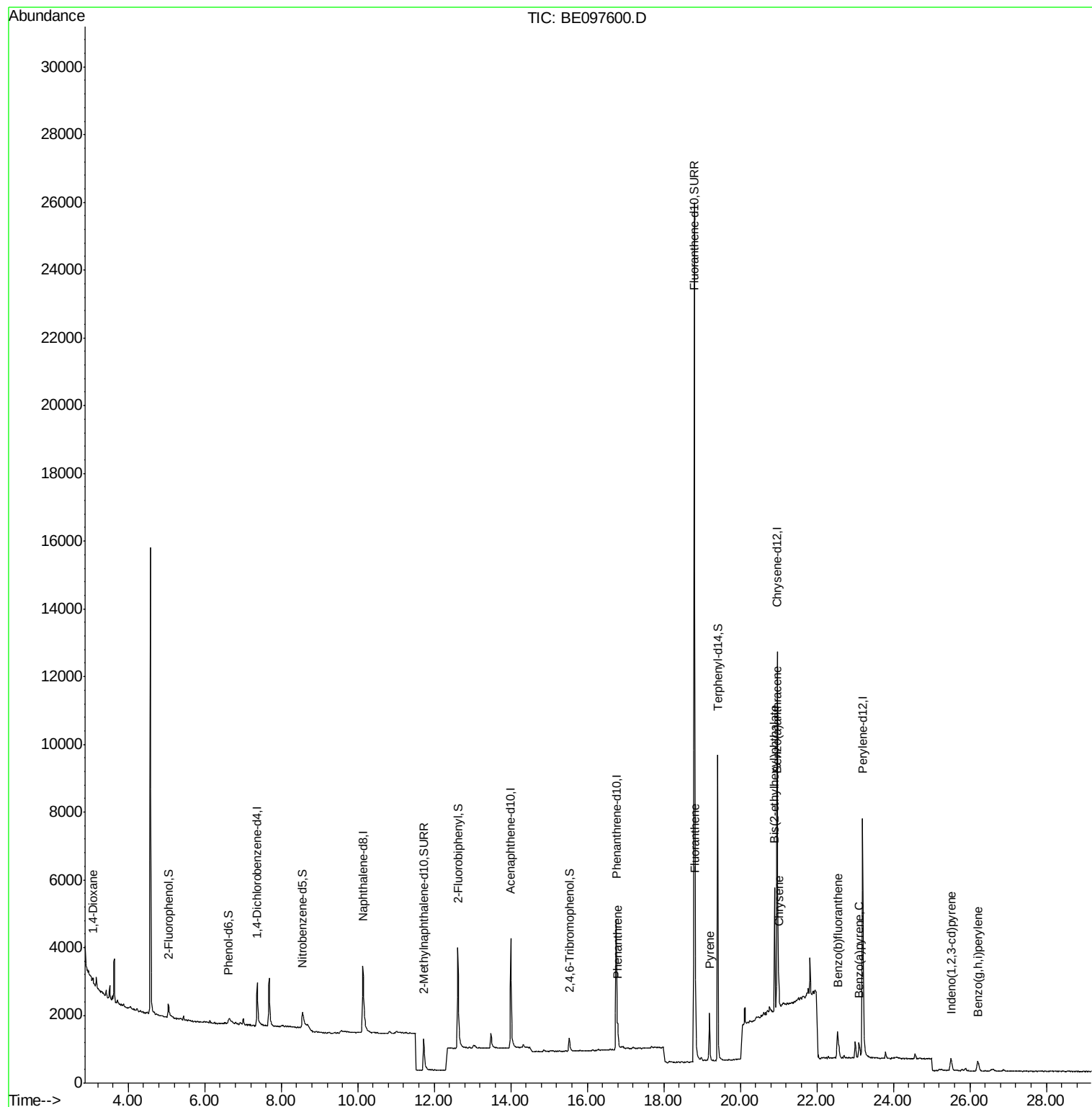
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
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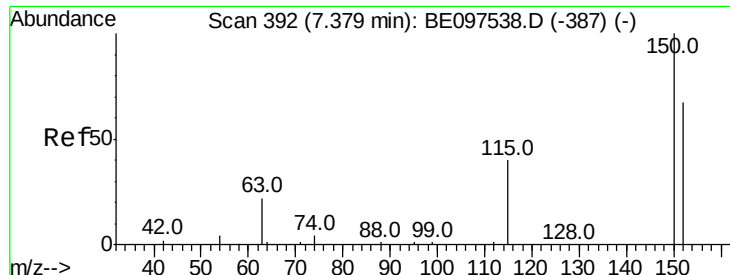
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.38 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Instrument :

BNA_E

ClientSampleId :

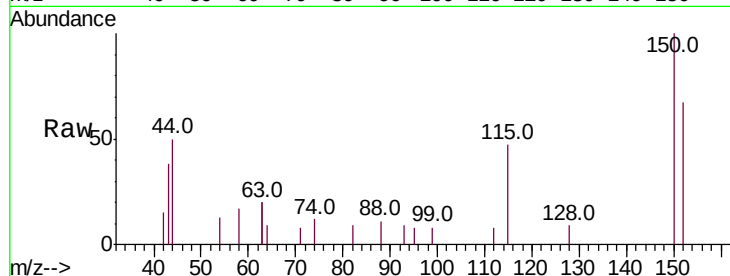
BPSI-HN-MW29IR-20180916

Tot Ion:	152	Resp:	795
Ion	Ratio	Lower	Upper
152	100		
150	149.4	117.2	175.8
115	70.8	57.0	85.6

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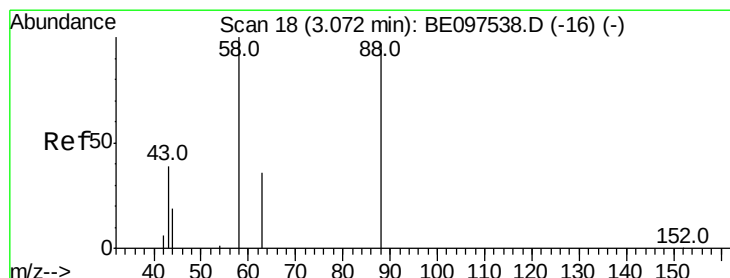
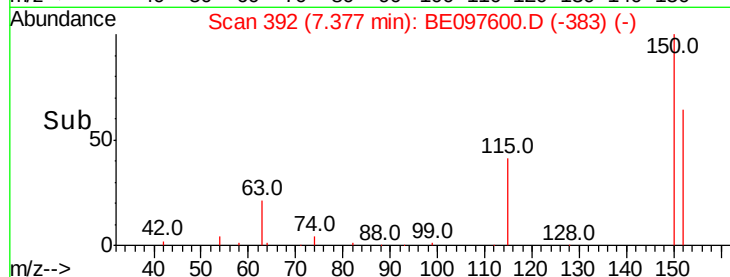
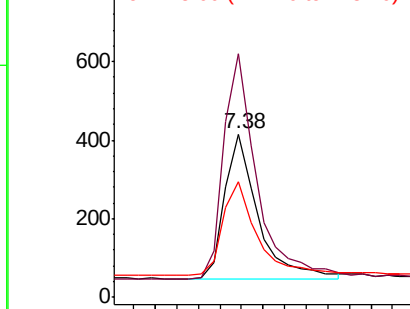


Abundance

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: 0.054 ng

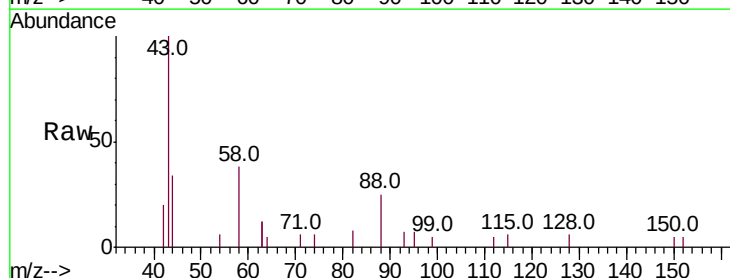
RT: 3.08 min Scan# 19

Delta R.T. 0.01 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Tgt Ion:	88	Resp:	122
Ion	Ratio	Lower	Upper
88	100		
58	95.1	63.2	94.8#
43	0.0	41.2	61.8#

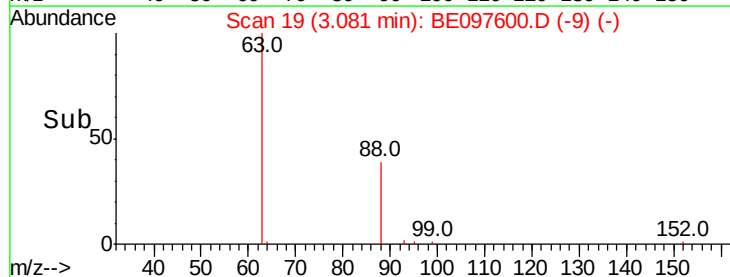
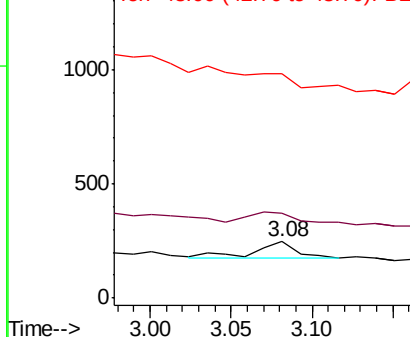


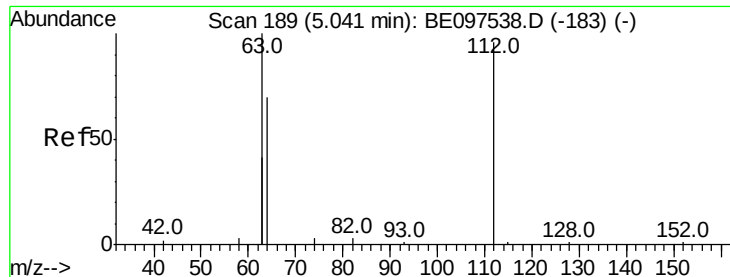
Abundance

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: 0.144 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Instrument :

BNA_E

ClientSampleId :

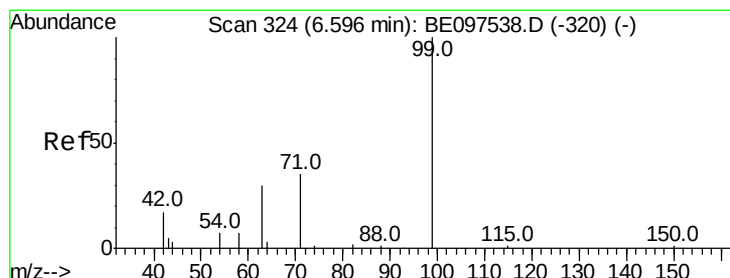
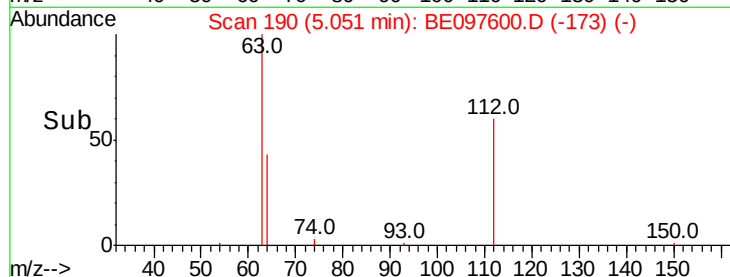
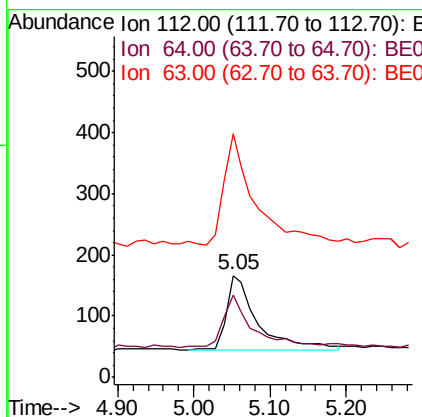
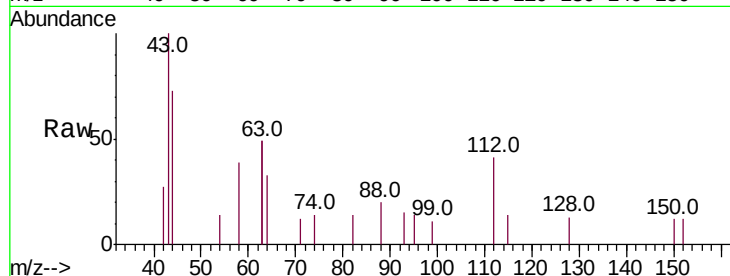
BPSI-HN-MW29IR-20180916

Tot Ion:	112	Resp:	343
Ion Ratio	Lower	Upper	
112	100		
64	66.2	60.1	90.1
63	153.1	116.8	175.2

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#5

Phenol-d6

Concen: 0.082 ng m

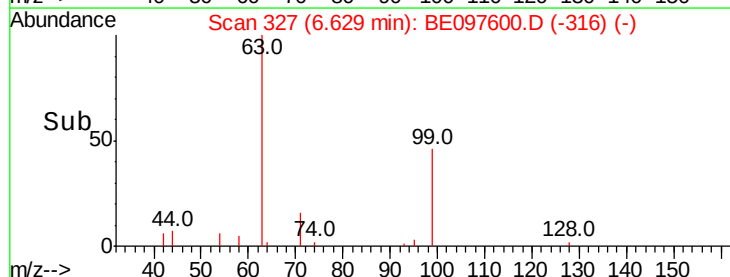
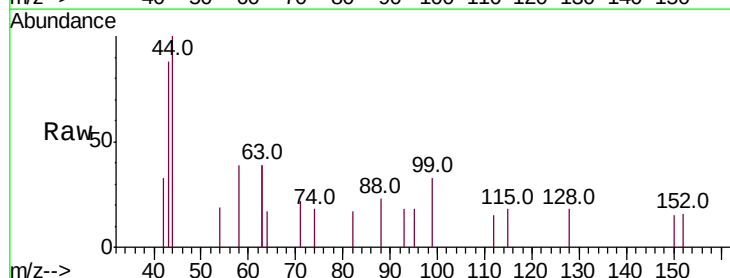
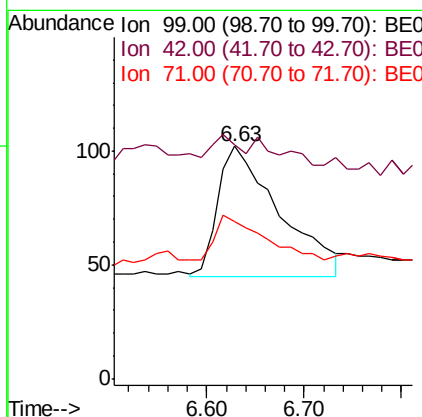
RT: 6.63 min Scan# 327

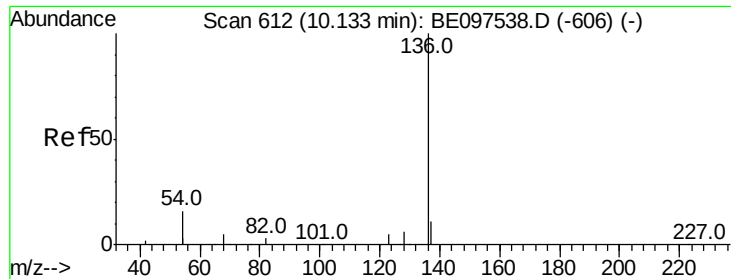
Delta R.T. 0.02 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Tgt Ion:	99	Resp:	251
Ion Ratio	Lower	Upper	
99	100		
42	5.6	20.2	30.2#
71	21.9	28.4	42.6#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Instrument :

BNA_E

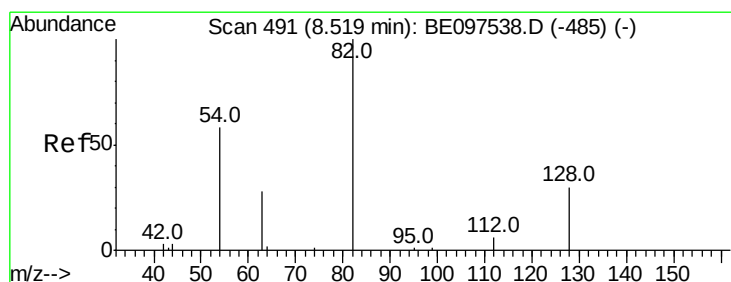
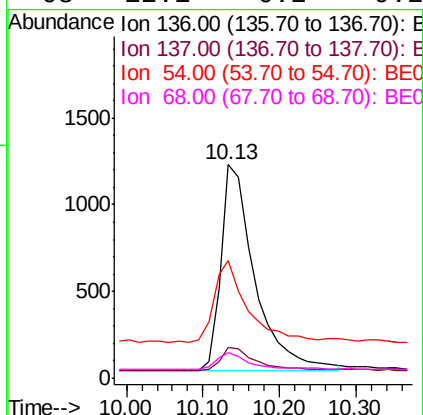
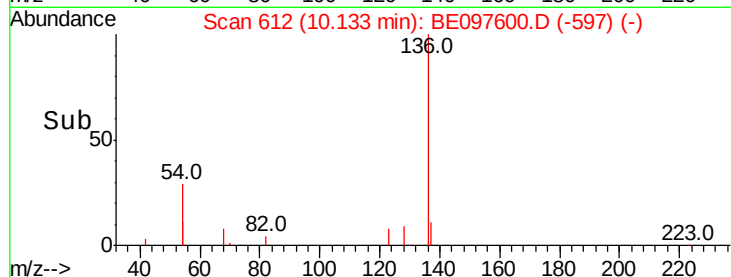
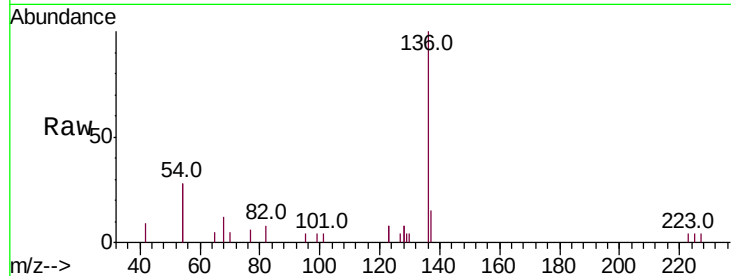
ClientSampleId :

BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
136	100		
137	14.5	9.5	14.3#
54	55.4	29.1	43.7#
68	12.1	6.2	9.2#

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#8

Nitrobenzene-d5

Concen: 0.310 ng

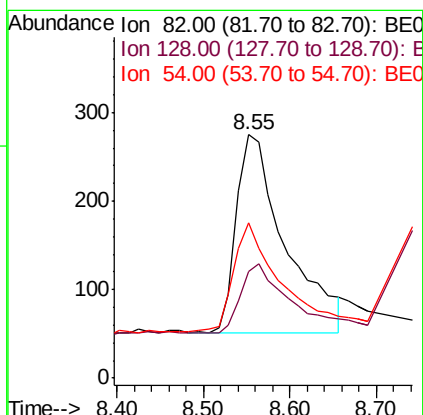
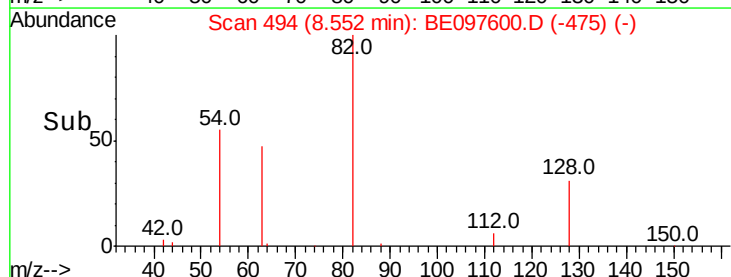
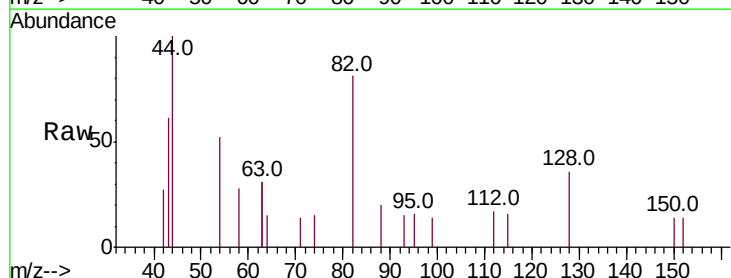
RT: 8.55 min Scan# 494

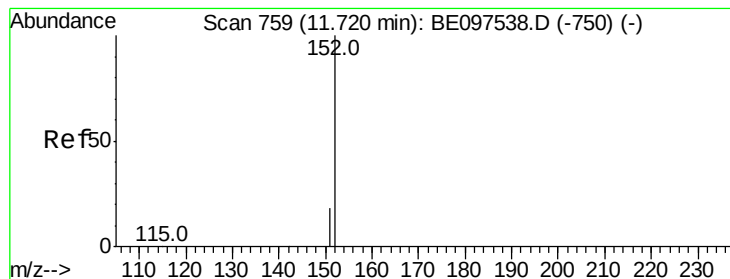
Delta R.T. 0.02 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.6	24.0	36.0#
54	63.6	40.0	60.0#





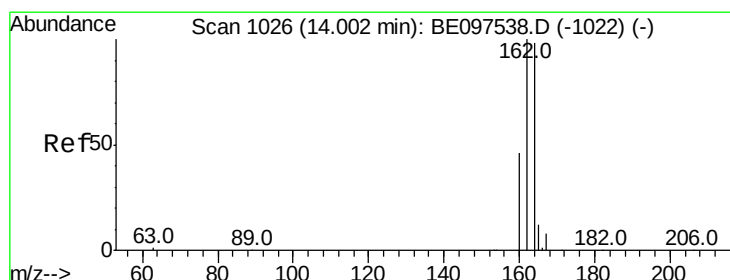
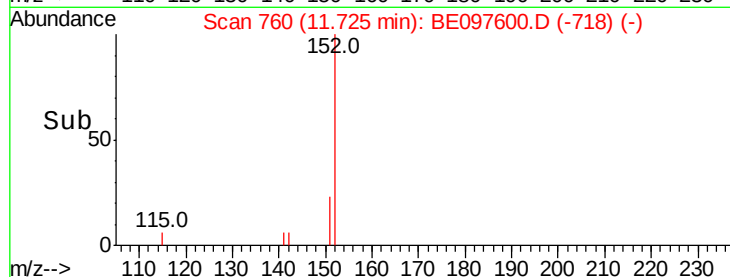
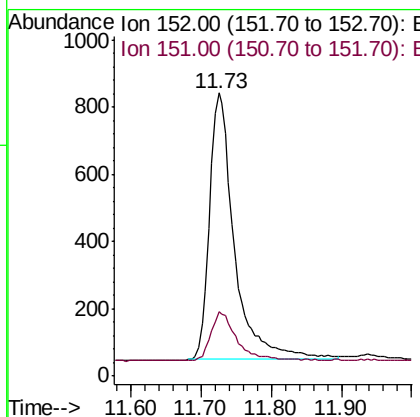
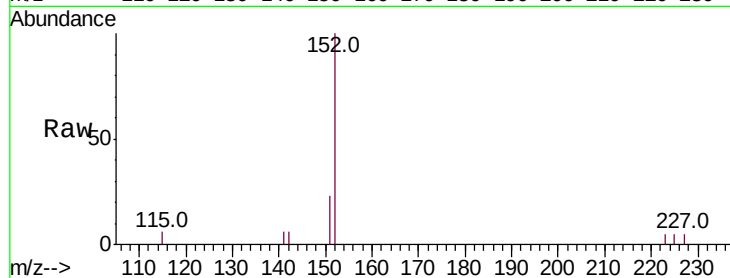
#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 11.73 min Scan# 760
Delta R.T. 0.01 min
Lab File: BE097600.D
Acq: 21 Sep 2018 8:02

Instrument :
BNA_E
ClientSampleId :
BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.4	23.0

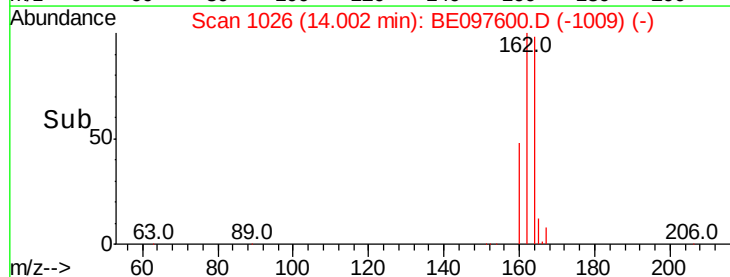
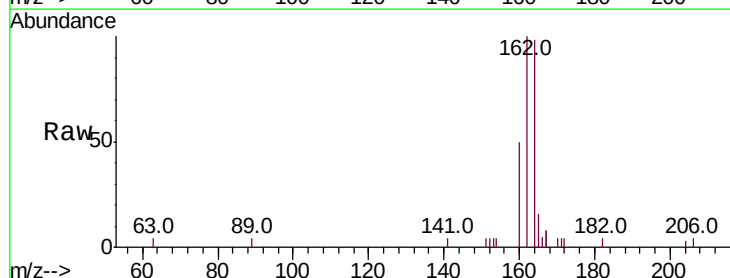
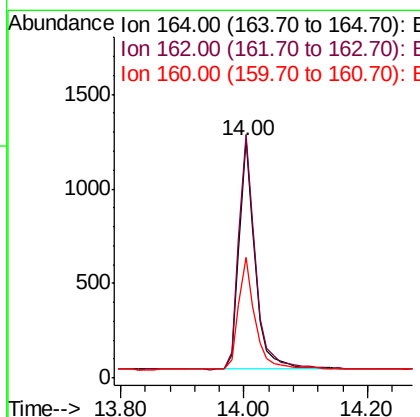
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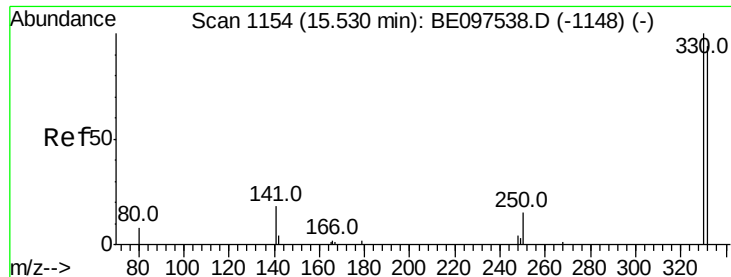
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE097600.D
Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	83.1	124.7
160	50.8	37.1	55.7





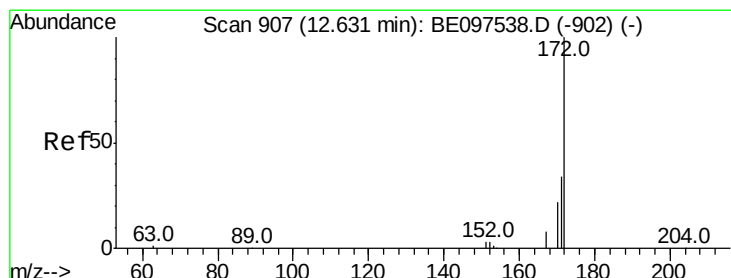
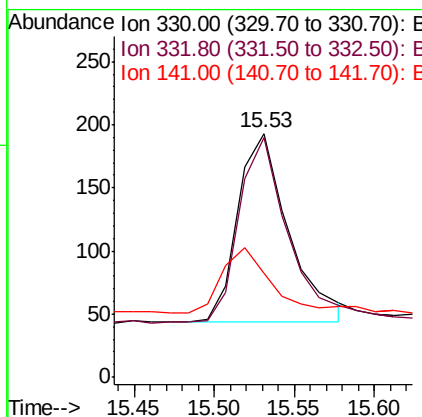
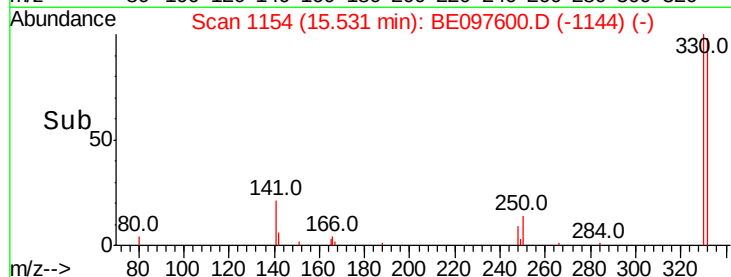
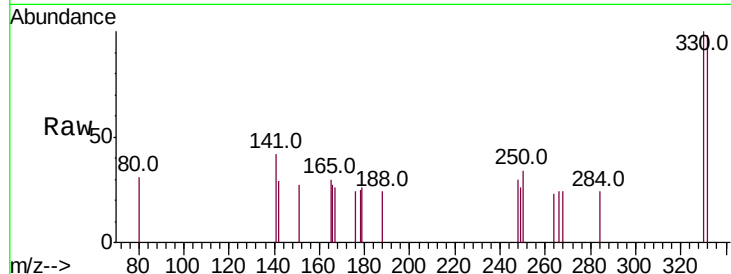
#14
 2,4,6-Tribromophenol
 Concen: 0.395 ng
 RT: 15.53 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Instrument :
 BNA_E
 ClientSampleId :
 BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	152.7	229.1#
141	32.3	33.7	50.5#

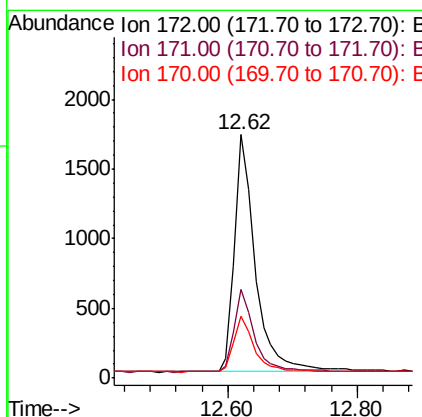
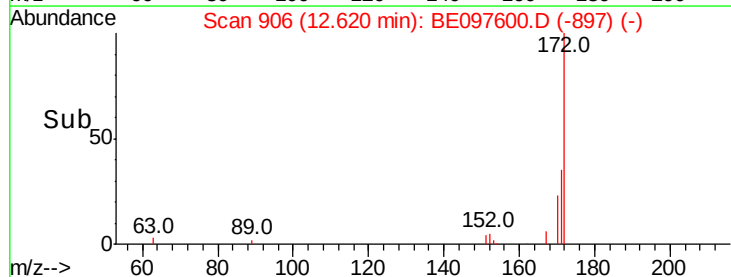
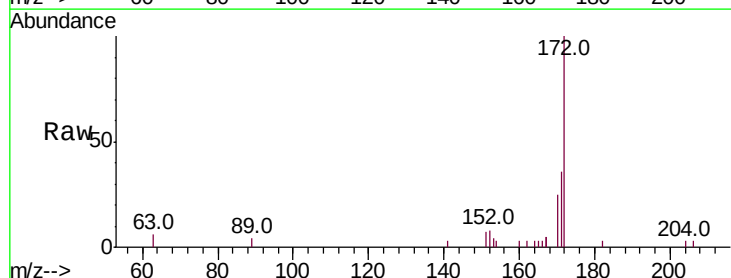
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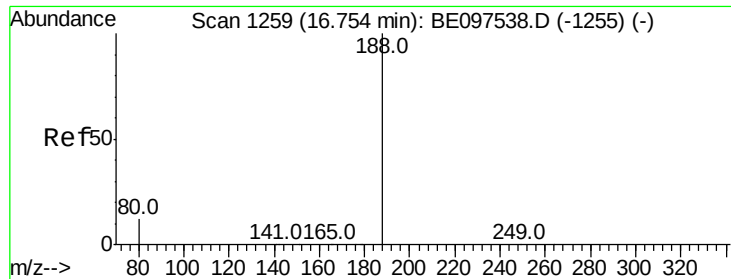
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#15
 2-Fluorobiphenyl
 Concen: 0.480 ng
 RT: 12.62 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.9	44.9
170	25.4	21.8	32.8





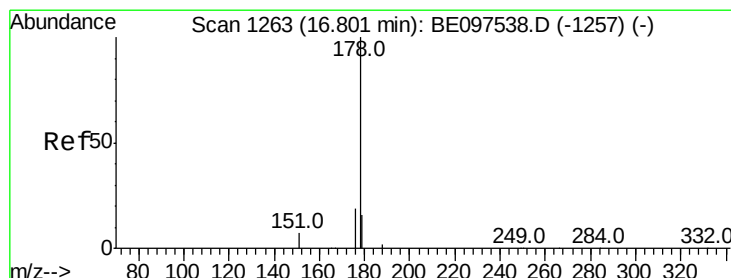
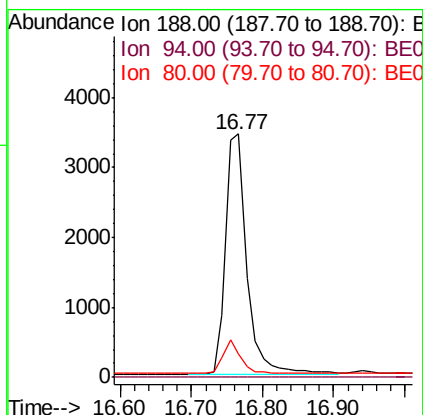
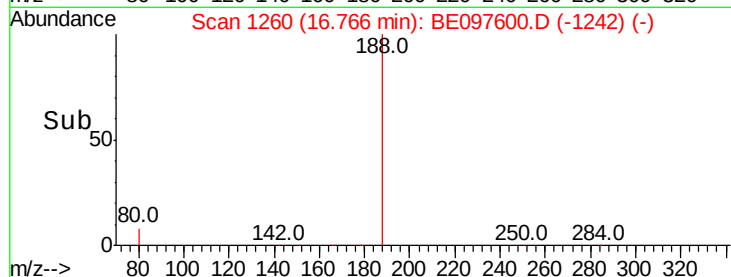
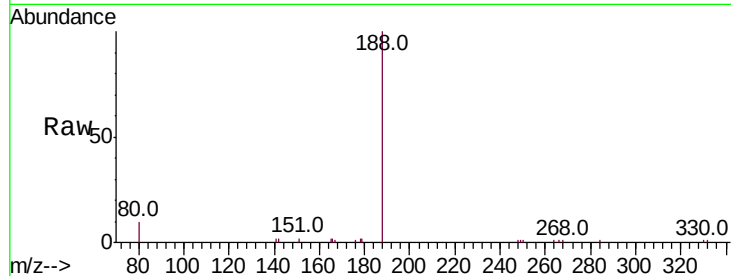
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: BE097600.D
Acq: 21 Sep 2018 8:02

Instrument :
BNA_E
ClientSampleId :
BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.6	3.6	5.4#

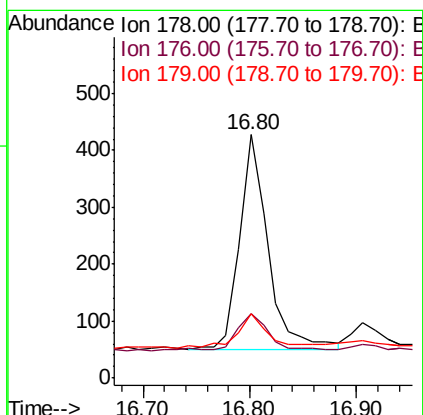
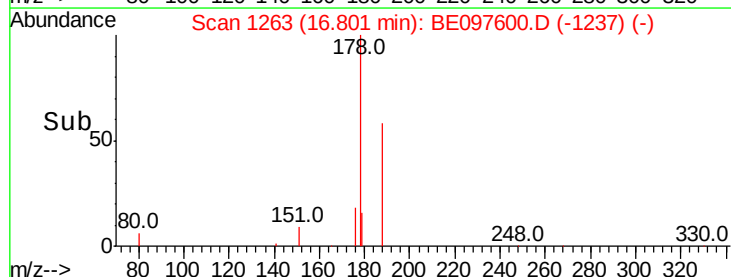
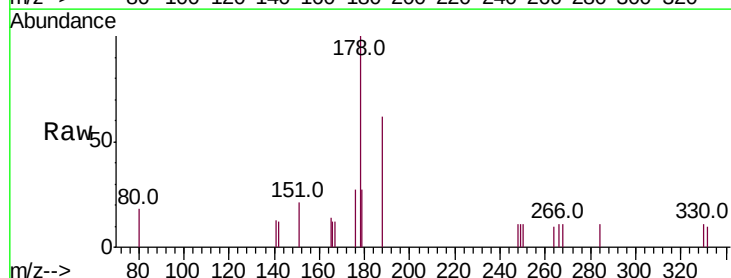
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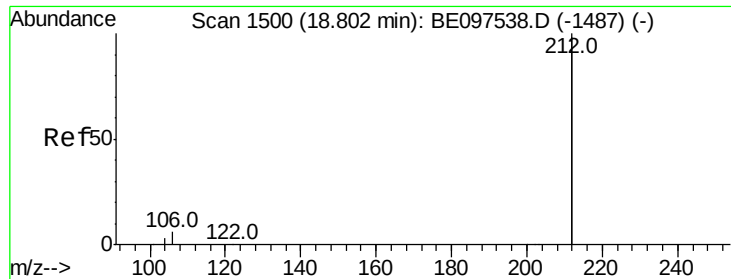
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#23
Phenanthrene
Concen: 0.041 ng
RT: 16.80 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE097600.D
Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.1	22.7
179	18.7	11.8	17.6#





#25

Fluoranthene-d10

Concen: 0.397 ng

RT: 18.80 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Instrument :

BNA_E

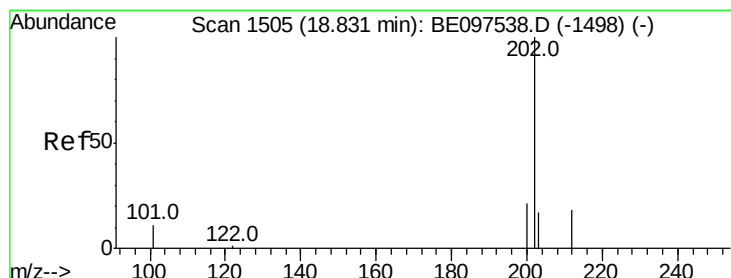
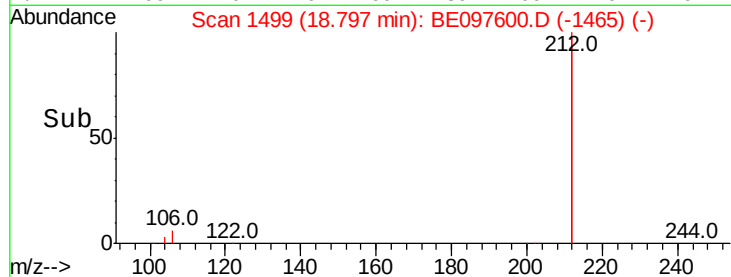
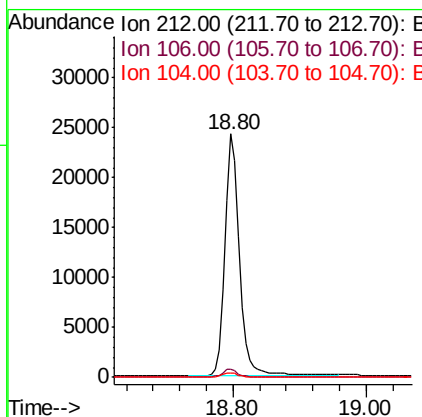
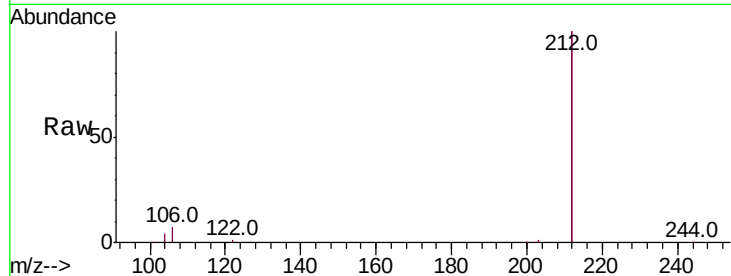
ClientSampleId :

BPSI-HN-MW29IR-20180916

Tot Ion:	212	Resp:	36306
Ion Ratio	Lower	Upper	
212	100		
106	3.2	2.8	4.2
104	1.7	1.6	2.4

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#26

Fluoranthene

Concen: 0.067 ng

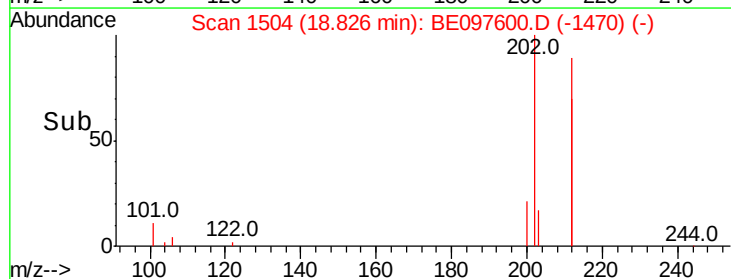
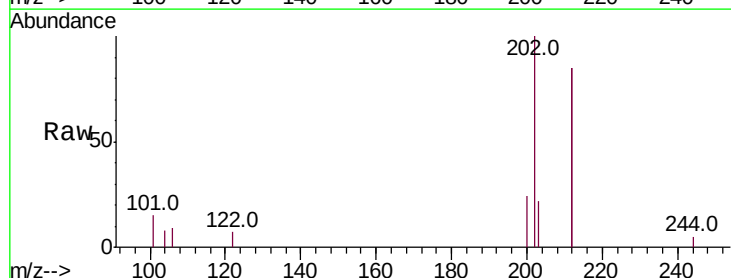
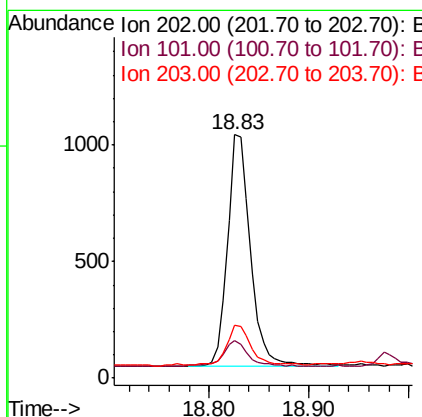
RT: 18.83 min Scan# 1504

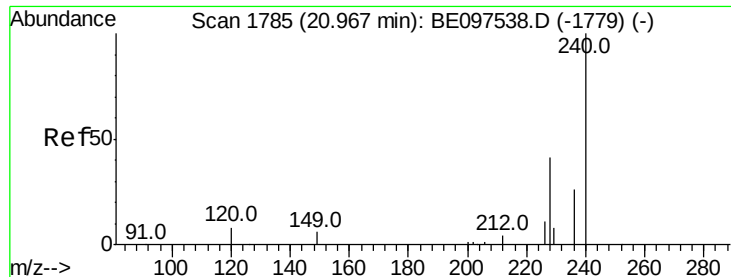
Delta R.T. -0.01 min

Lab File: BE097600.D

Acq: 21 Sep 2018 8:02

Tgt Ion:	202	Resp:	1581
Ion Ratio	Lower	Upper	
202	100		
101	12.5	9.8	14.8
203	17.9	13.7	20.5





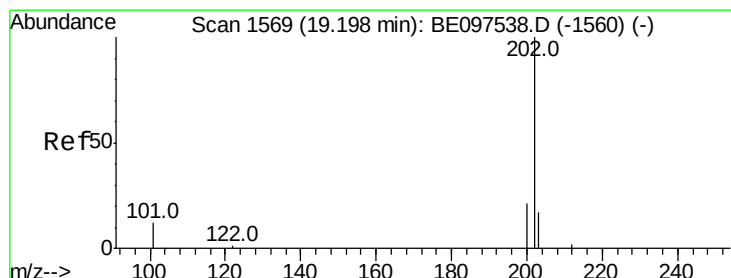
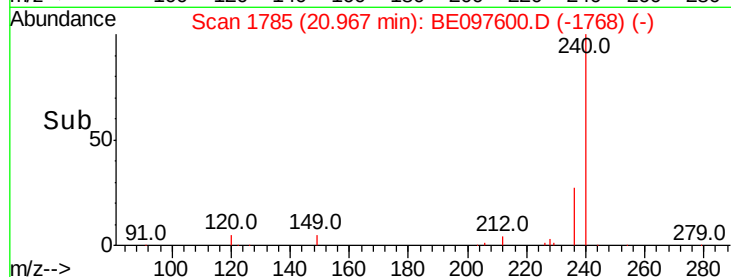
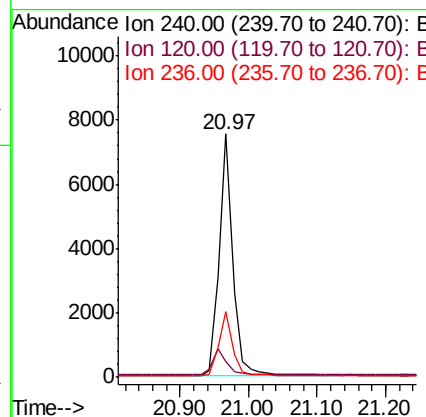
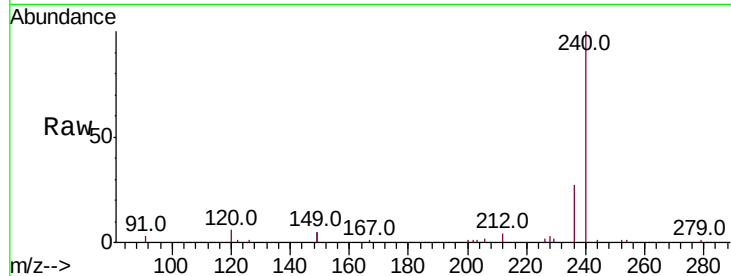
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Instrument :
 BNA_E
 ClientSampleId :
 BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.5	8.3
236	27.2	20.7	31.1

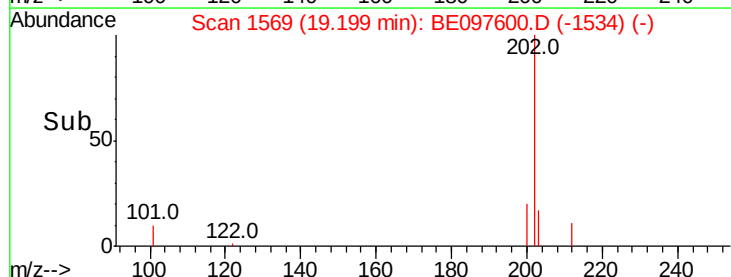
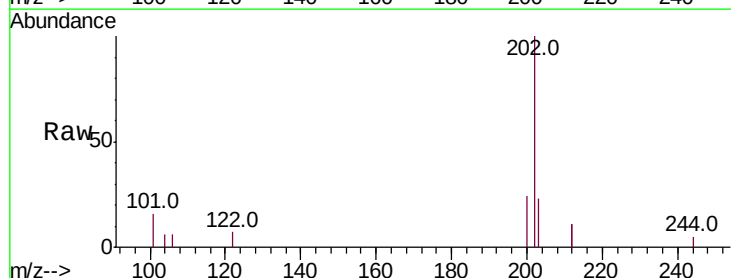
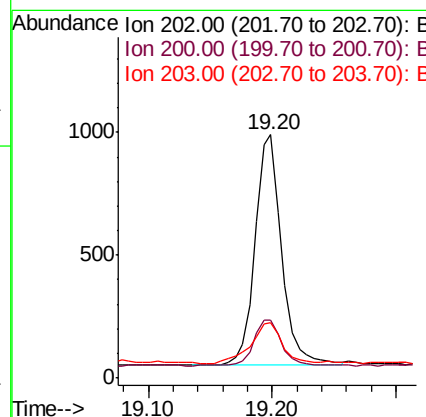
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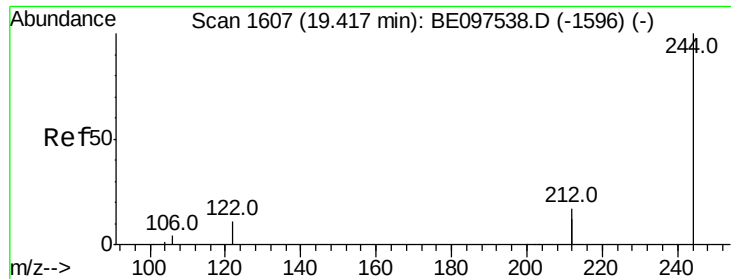
Sohil
 9/21/2018 4:09:50 PM



#28
 Pyrene
 Concen: 0.059 ng
 RT: 19.20 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	21.0	13.8	20.8





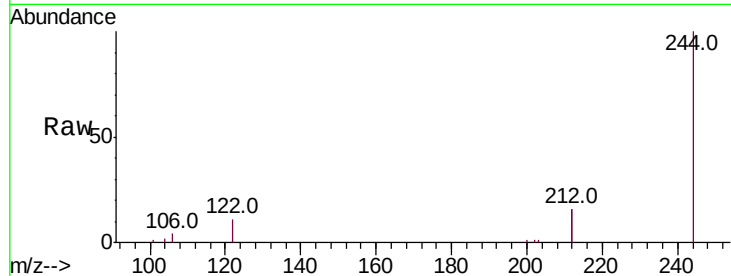
#29
 Terphenyl-d14
 Concen: 0.440 ng
 RT: 19.41 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Instrument :
 BNA_E
 ClientSampleId :
 BPSI-HN-MW29IR-20180916

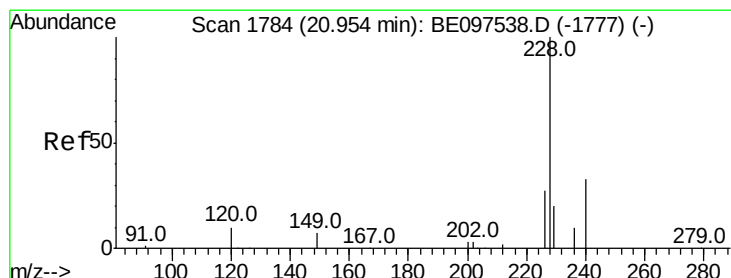
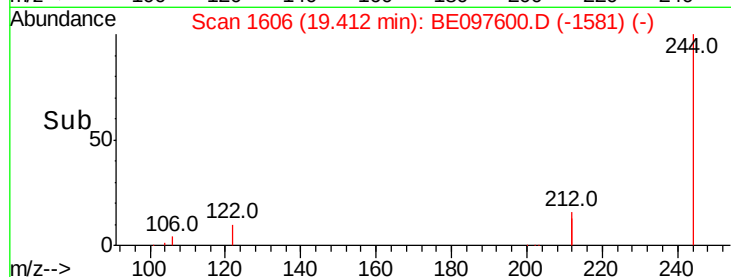
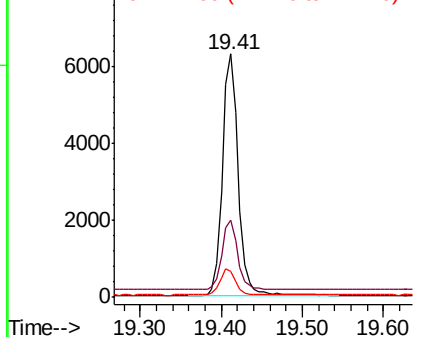
Tot Ion	Ratio	Lower	Upper
244	100		
212	31.9	25.4	38.0
122	10.9	8.1	12.1

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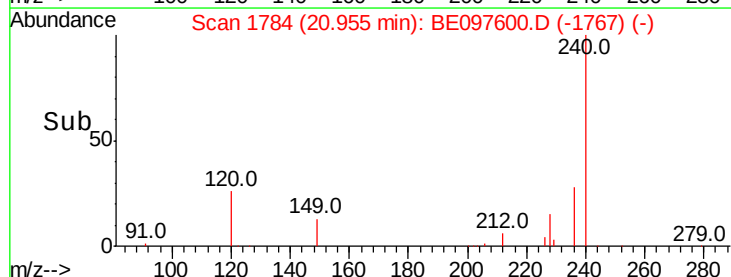
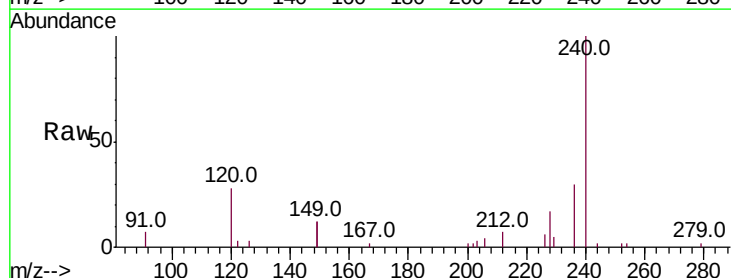
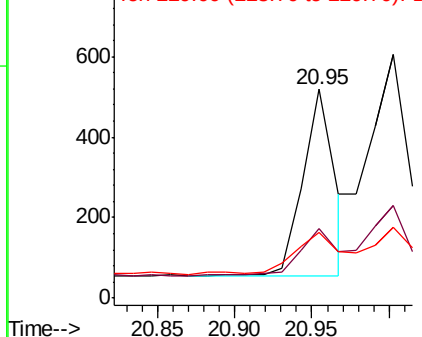
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

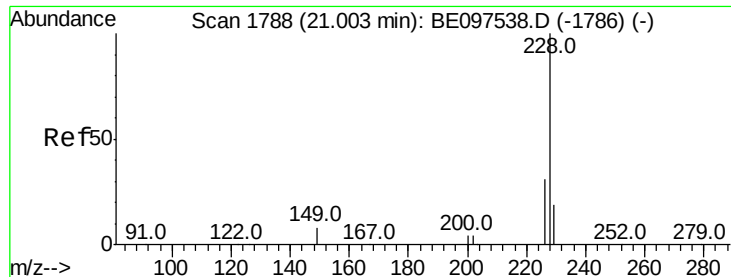


#30
 Benzo(a)anthracene
 Concen: 0.025 ng
 RT: 20.95 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	24.0	36.0
229	31.5	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





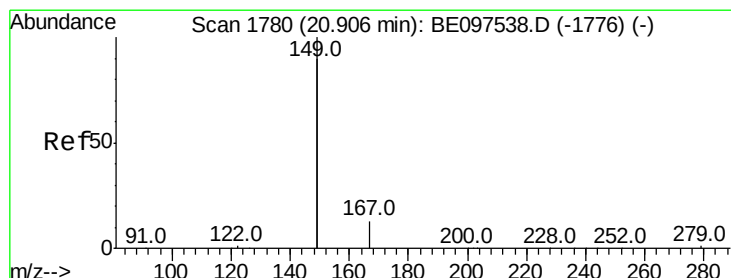
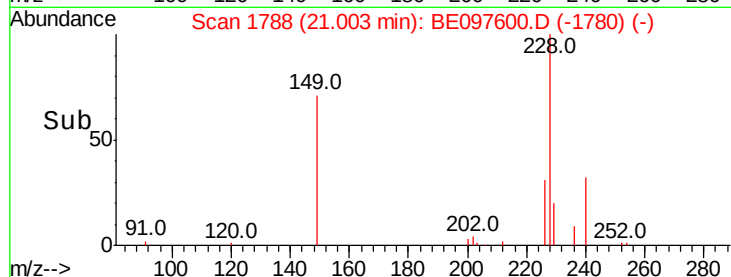
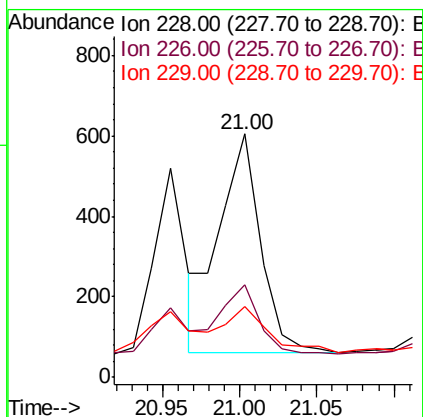
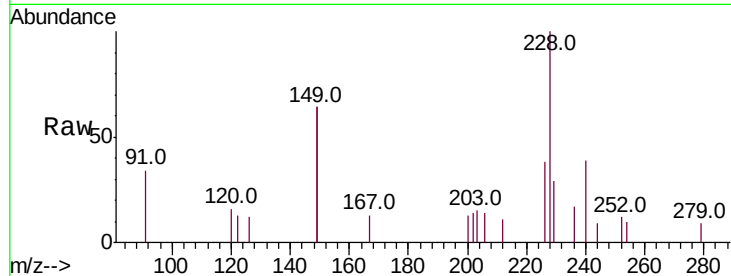
#31
 Chrysene
 Concen: 0.036 ng
 RT: 21.00 min Scan# 1788
 Delta R.T. 0.00 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Instrument :
 BNA_E
 ClientSampleId :
 BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.0	24.0	36.0#
229	28.9	16.0	24.0#

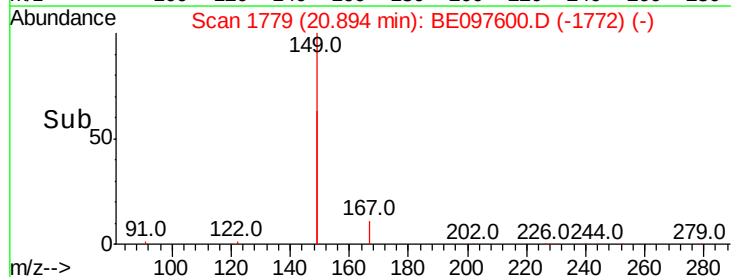
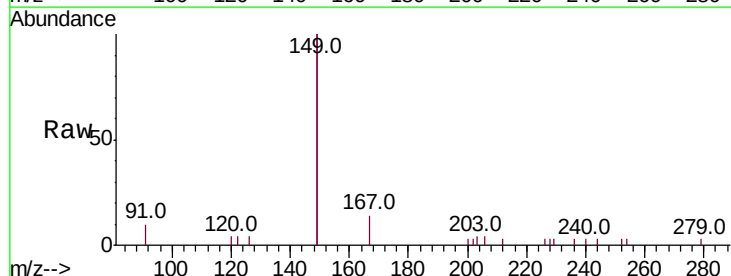
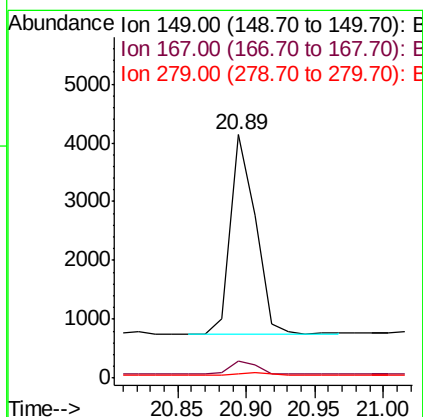
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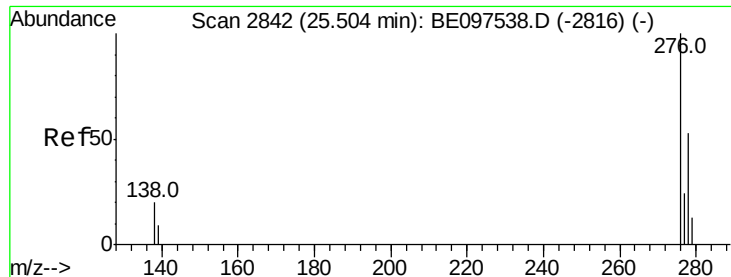
Sohil
 9/21/2018 4:09:50 PM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.109 ng
 RT: 20.89 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.4	0.7	1.1#





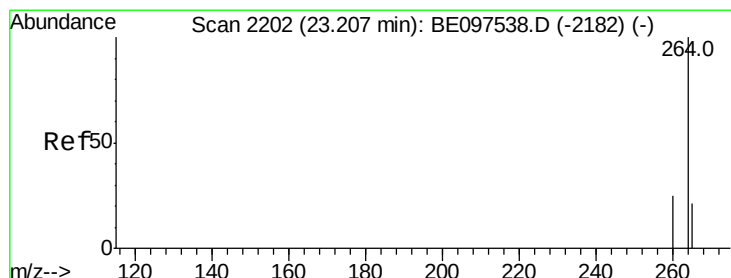
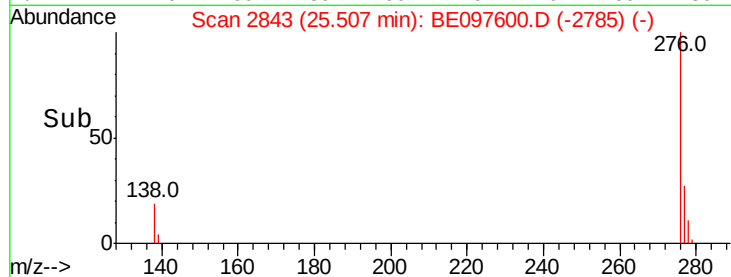
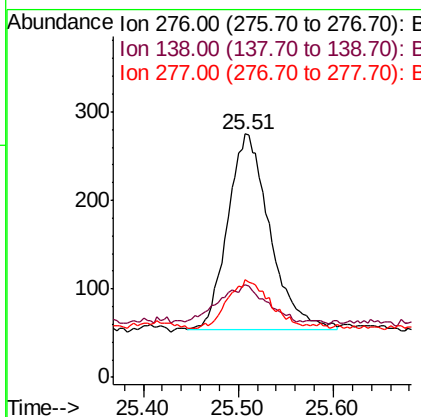
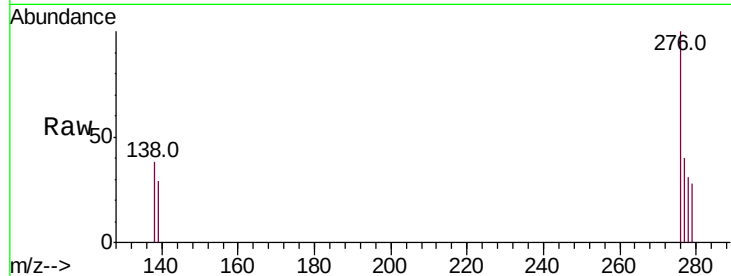
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 25.51 min Scan# 2843
 Delta R.T. 0.01 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Instrument :
 BNA_E
 ClientSampleId :
 BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	22.5	33.7#
277	24.4	19.9	29.9

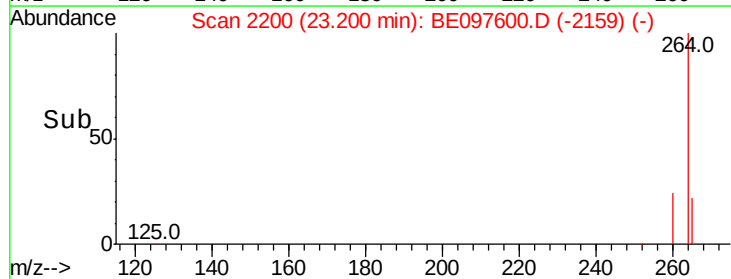
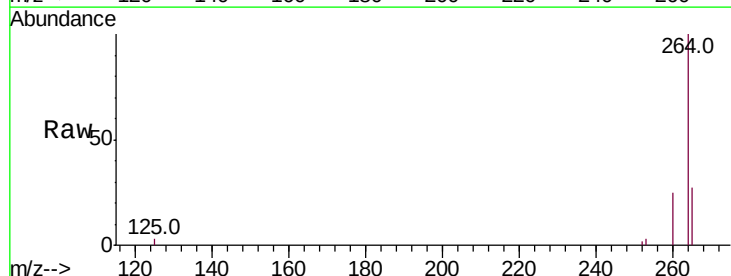
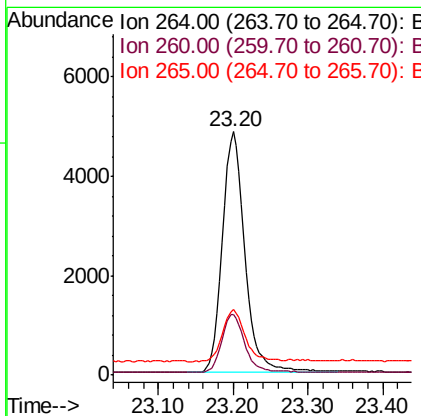
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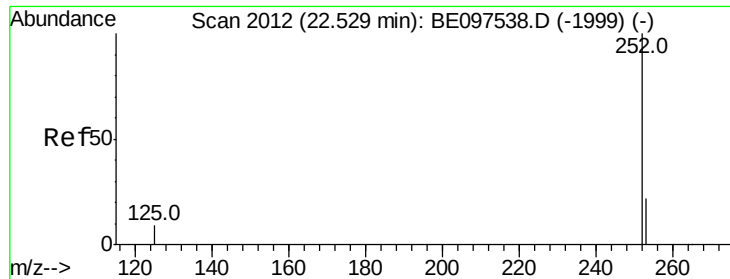
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.5	30.7
265	27.1	22.8	34.2





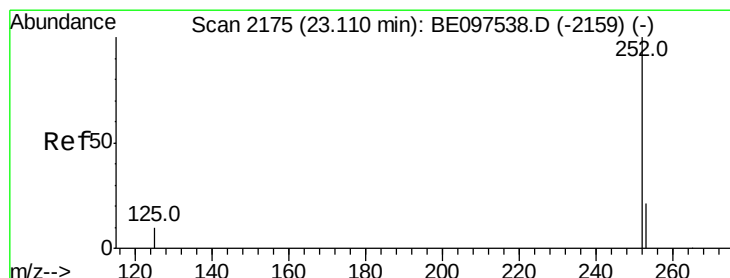
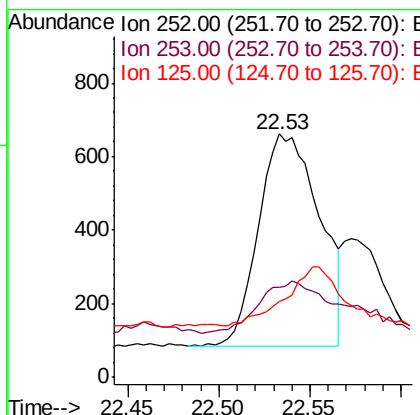
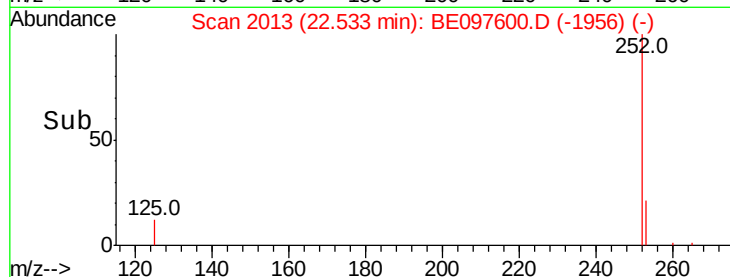
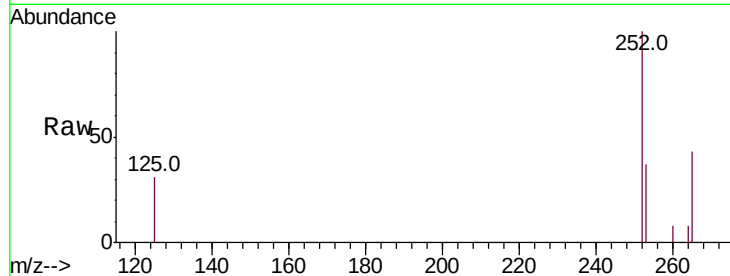
#35
Benzo(b)fluoranthene
Concen: 0.052 ng
RT: 22.53 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BE097600.D
Acq: 21 Sep 2018 8:02

Instrument :
BNA_E
ClientSampleId :
BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.7	20.0	30.0#
125	31.1	16.0	24.0#

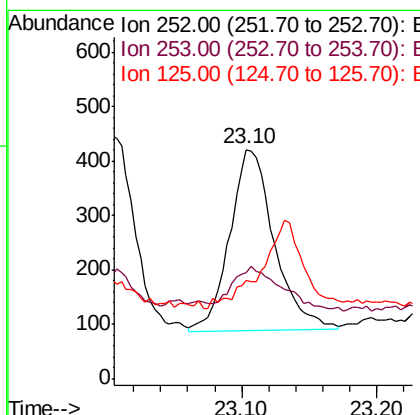
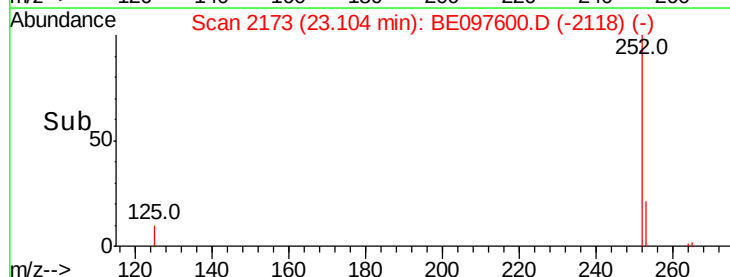
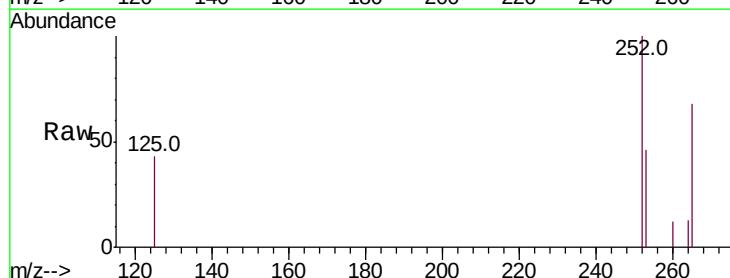
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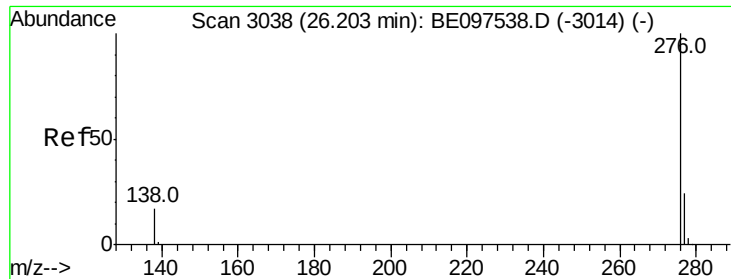
Sohil
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#37
Benzo(a)pyrene
Concen: 0.049 ng
RT: 23.10 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BE097600.D
Acq: 21 Sep 2018 8:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.4	16.0	24.0#
125	42.6	12.0	18.0#





#39
 Benzo(a,h,i)perylene
 Concen: 0.028 ng
 RT: 26.21 min Scan# 3041
 Delta R.T. 0.02 min
 Lab File: BE097600.D
 Acq: 21 Sep 2018 8:02

Instrument :
 BNA_E
 ClientSampleId :
 BPSI-HN-MW29IR-20180916

Tot Ion	Ratio	Lower	Upper
276	100		
277	37.9	16.0	24.0#
138	36.4	20.0	30.0#

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