

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100418\
 Data File : BE097723.D
 Acq On : 4 Oct 2018 12:19
 Operator : SJ/JU
 Sample : J4870-05RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

Manual Integrations
 APPROVED

Sohil
 10/5/2018 5:24:07 PM

Quant Time: Oct 05 07:24:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	16652	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	17608	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	10412	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	28897	0.40	ng	0.00
27) Chrysene-d12	21.50	240	39275	0.40	ng	0.01
34) Perylene-d12	24.05	264	36451	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.47	112	1647062	41.81	ng	0.00
5) Phenol-d6	7.05	99	2488633	41.21	ng	0.00
8) Nitrobenzene-d5	9.04	82	1231603	215.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	28	0.00	ng	0.00
14) 2,4,6-Tribromophenol	16.04	330	657499	348.41	ng	0.00
15) 2-Fluorobiphenyl	13.19	172	3251994	70.94	ng	0.00
25) Fluoranthene-d10	19.33	212	811	0.00	ng	0.00
29) Terphenyl-d14	19.94	244	7662359	95.55	ng	0.00

Target Compounds

						Qvalue
3) n-Nitrosodimethylamine	3.69	42	631640	20.926	ng	# 83
9) Naphthalene	10.74	128	22610991	127.420	ng	99
10) Hexachlorobutadiene	11.04	225	1900	0.202	ng	96
16) Acenaphthylene	14.28	152	4689178	101.695	ng	96
17) Acenaphthene	14.63	154	2632812	89.150	ng	96
18) Fluorene	15.60	166	4997562	127.432	ng	100
21) Hexachlorobenzene	16.61	284	788454	46.238	ng	99
23) Phenanthrene	17.36	178	8648658	116.142	ng	# 90
28) Pyrene	19.73	202	7866338	78.820	ng	# 90
30) Benzo(a)anthracene	21.49	228	9239171	87.500	ng	# 83
31) Chrysene	21.55	228	9929989	84.124	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.43	149	17187218	222.533	ng	99
33) Indeno(1,2,3-cd)pyrene	26.76	276	5456010	53.218	ng	94
35) Benzo(b)fluoranthene	23.29	252	13414594m	134.093	ng	
36) Benzo(k)fluoranthene	23.33	252	2610577	23.539	ng	98
37) Benzo(a)pyrene	23.96	252	13538250	149.487	ng	# 91
38) Dibenzo(a,h)anthracene	26.80	278	6607522	74.072	ng	97

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

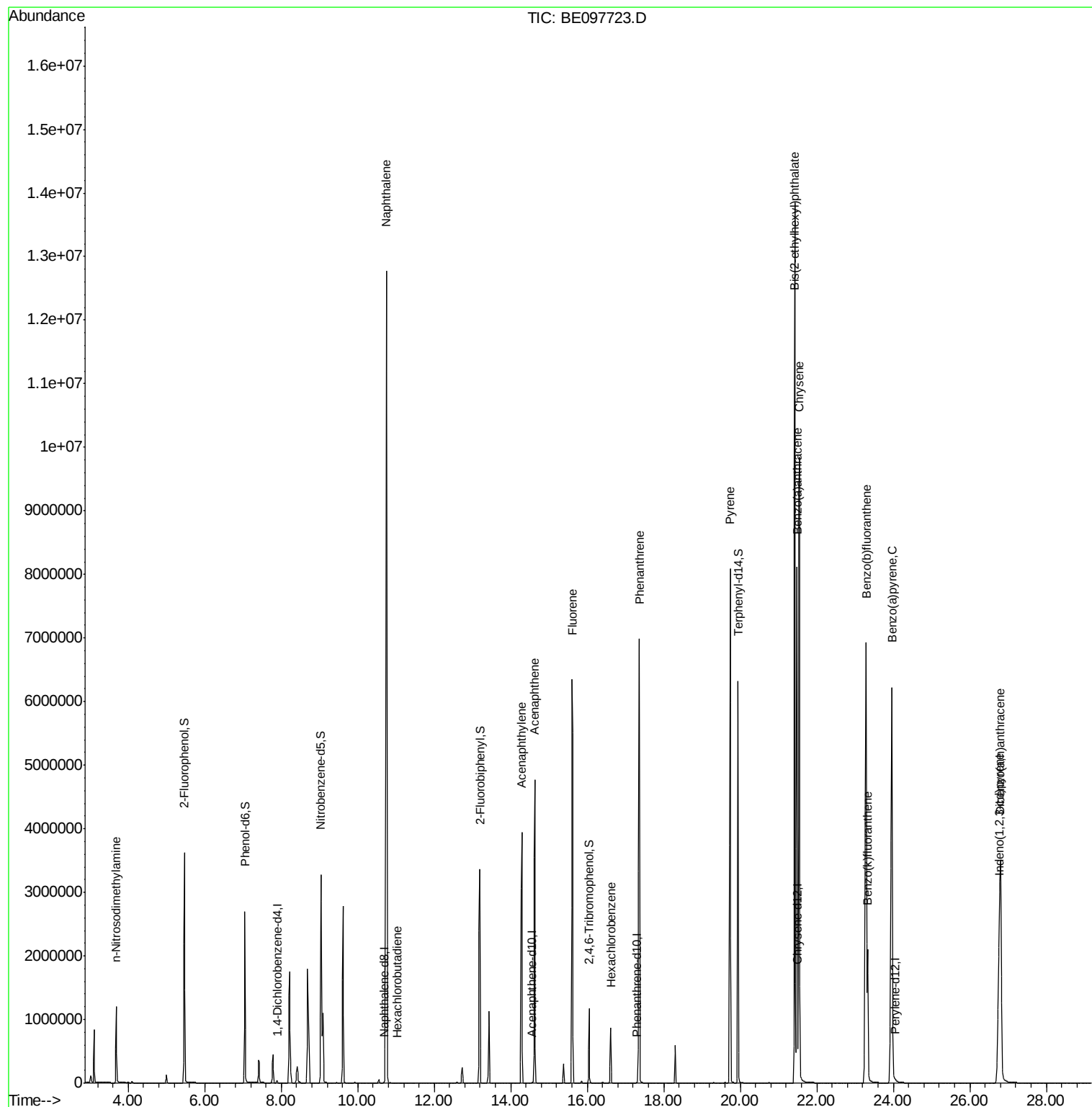
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100418\
Data File : BE097723.D
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Sample : J4870-05RE
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ALS Vial : 5 Sample Multiplier: 1

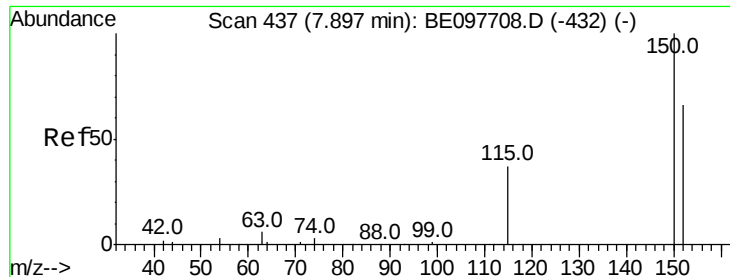
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

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Quant Time: Oct 05 07:24:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 03 12:17:19 2018
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#1

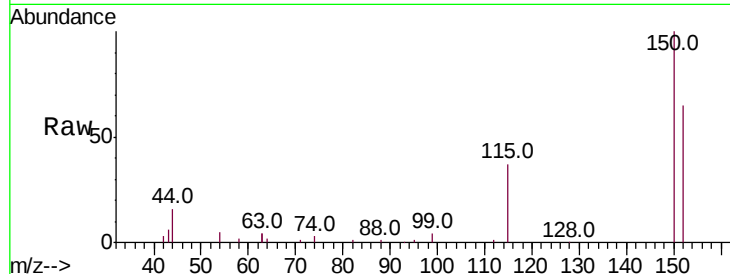
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Instrument :
BNA_E
ClientSampled :
PT-BN-WPRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	120.9	181.3
115	57.4	46.6	69.8

Manual Integrations
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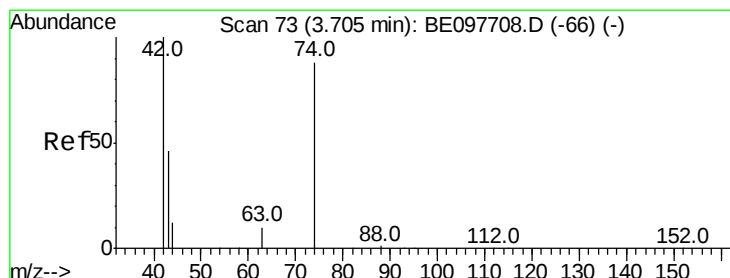
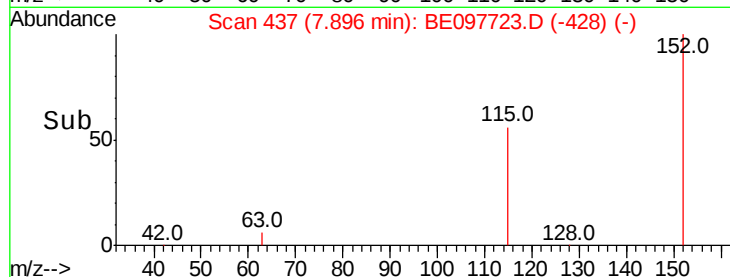
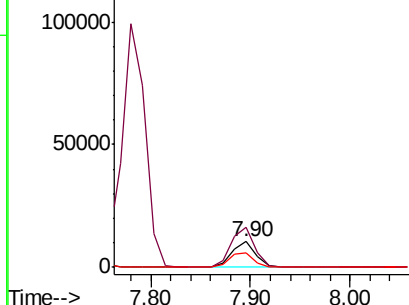


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

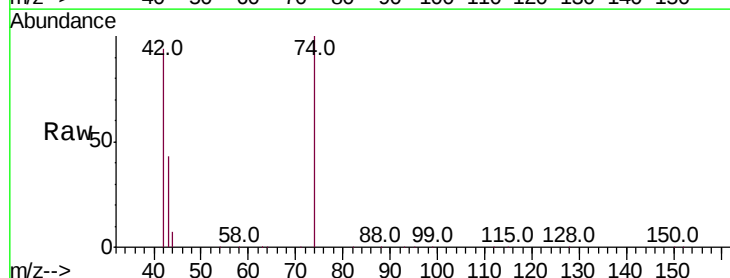
Ion 115.00 (114.70 to 115.70): E



#3

n-Nitrosodimethylamine
Concen: 20.926 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion	Ratio	Lower	Upper
42	100		
74	102.6	70.7	106.1
44	6.9	15.0	22.4

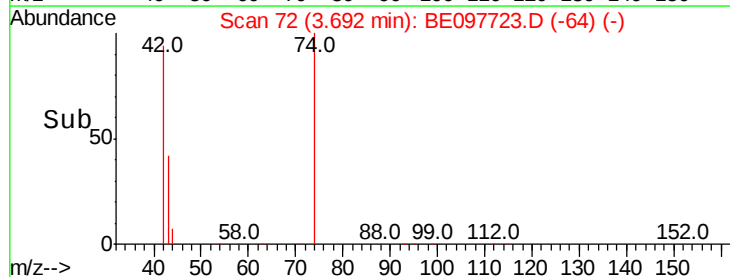
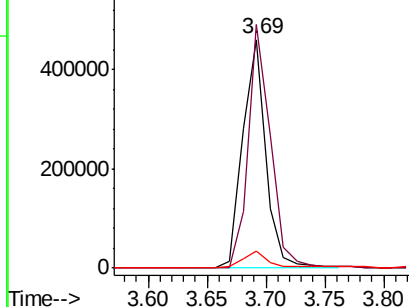


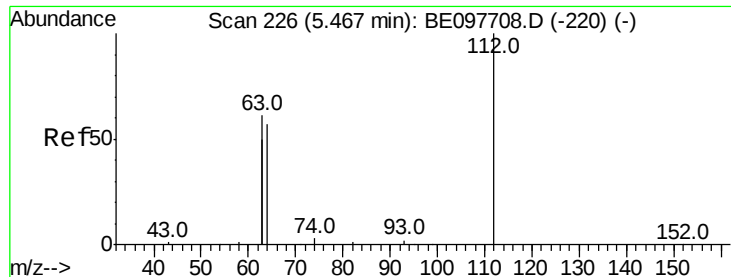
Abundance

Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 41.809 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

Tot Ion:112 Resp: 1647062

Ion Ratio Lower Upper

112 100

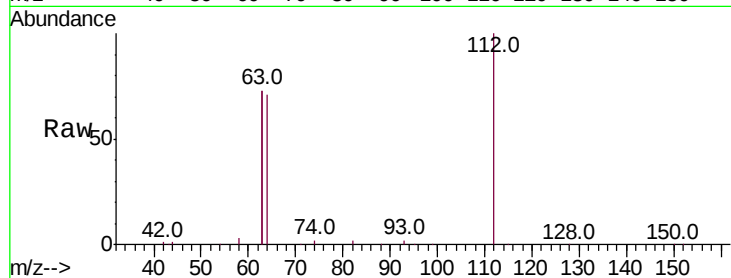
64 71.2 56.6 84.8

63 149.0 119.4 179.0

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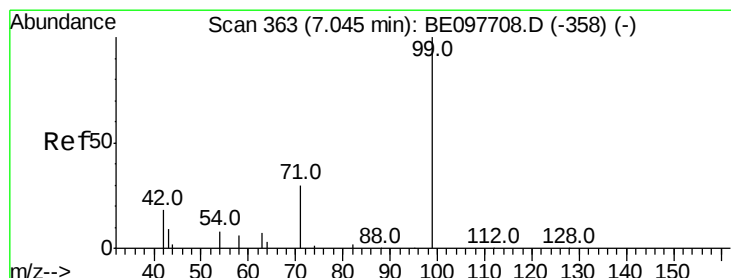
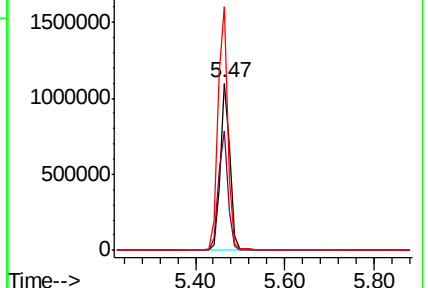
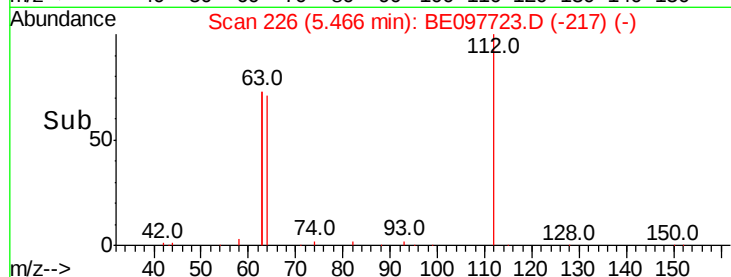
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Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 41.214 ng

RT: 7.05 min Scan# 364

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

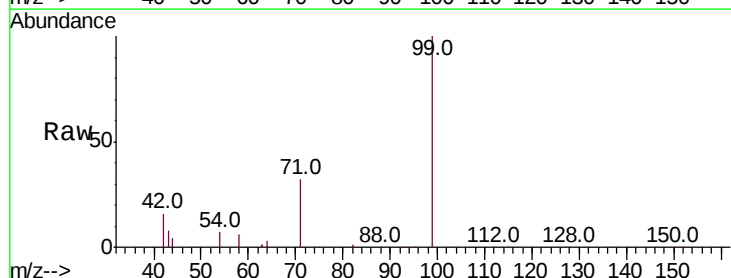
Tgt Ion: 99 Resp: 2488633

Ion Ratio Lower Upper

99 100

42 24.7 19.9 29.9

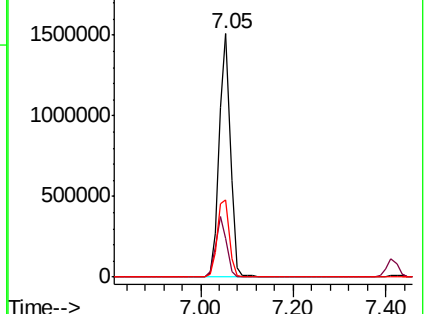
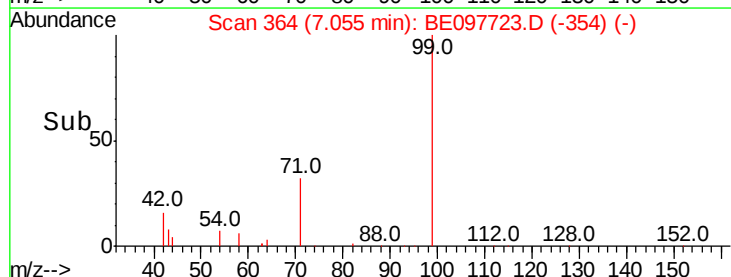
71 35.1 25.4 38.2

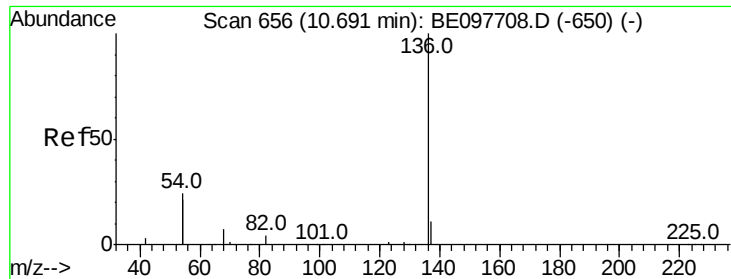


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

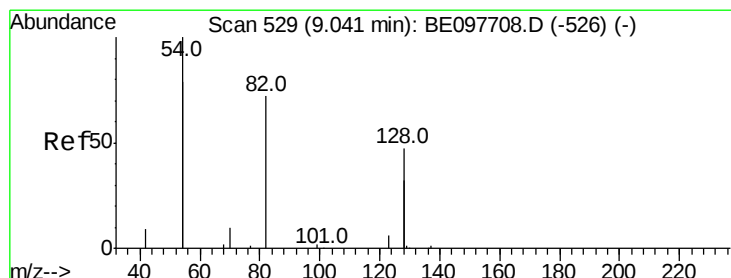
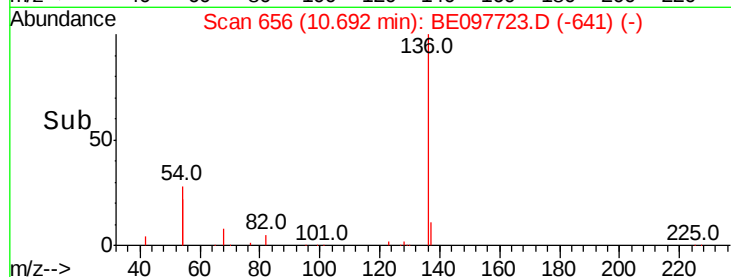
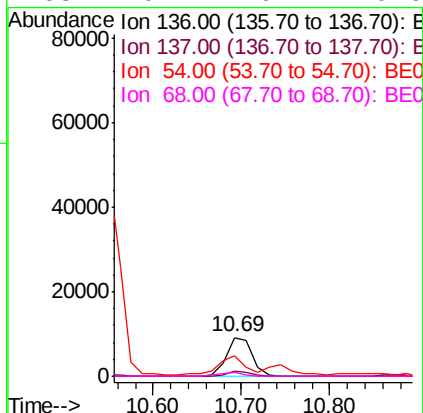
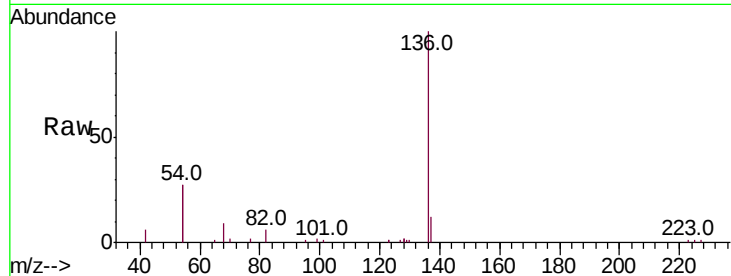
ClientSampleId :

PT-BN-WPRE

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.0	13.4
54	54.6	37.8	56.6
68	9.4	6.4	9.6

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#8

Nitrobenzene-d5

Concen: 215.442 ng

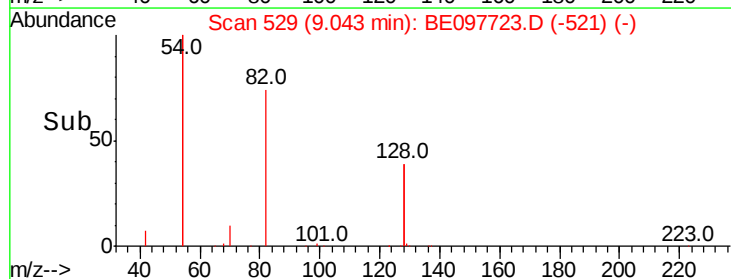
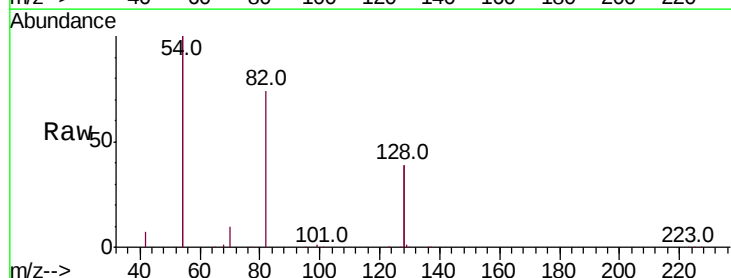
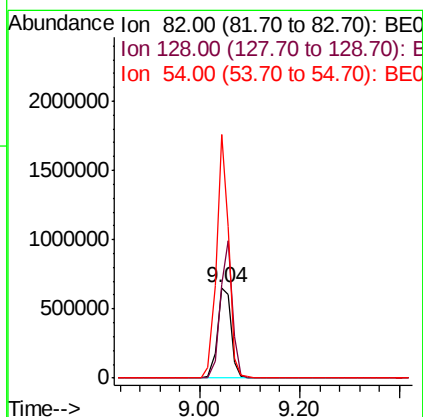
RT: 9.04 min Scan# 529

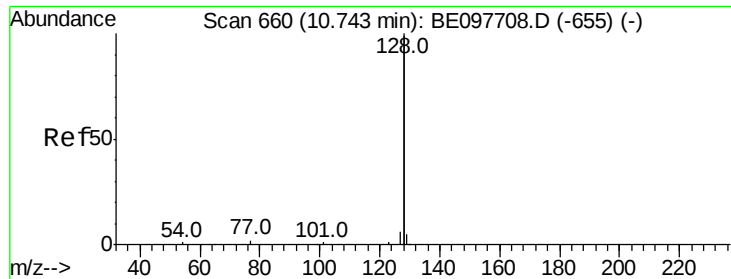
Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Tgt Ion	Ratio	Lower	Upper
82	100		
128	104.2	97.0	145.4
54	268.9	206.9	310.3





#9

Naphthalene

Concen: 127.420 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

Tot Ion:128 Resp:22610991

Ion Ratio Lower Upper

128 100

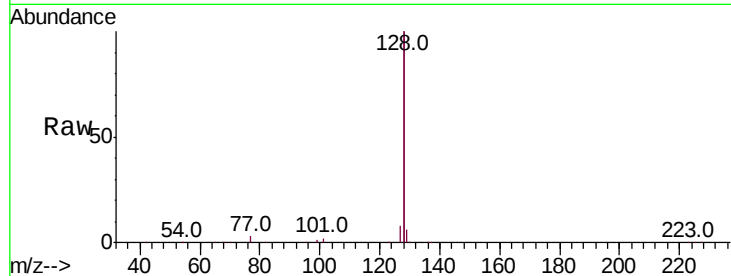
129 3.1 2.2 3.2

127 3.8 2.7 4.1

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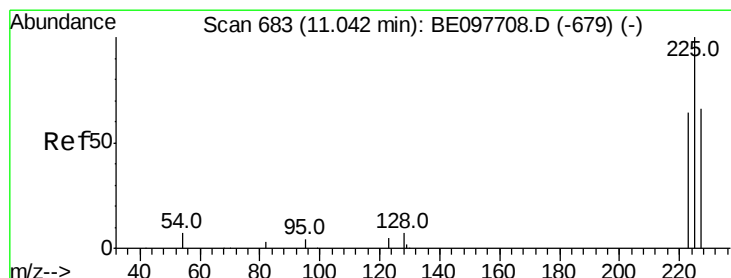
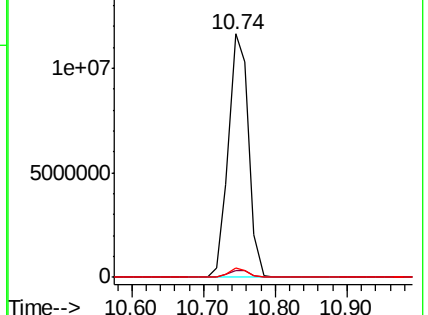
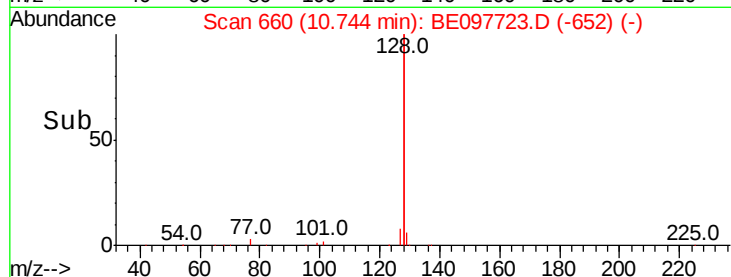


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.202 ng

RT: 11.04 min Scan# 683

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

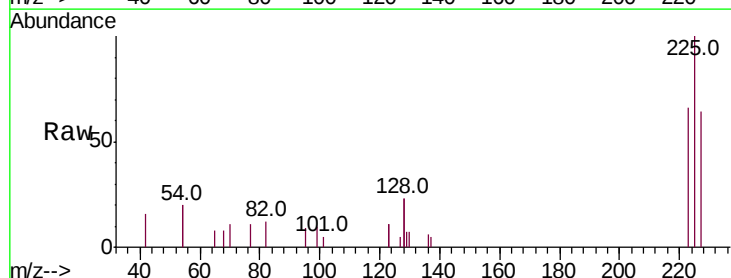
Tgt Ion:225 Resp: 1900

Ion Ratio Lower Upper

225 100

223 61.2 52.2 78.4

227 61.3 51.2 76.8

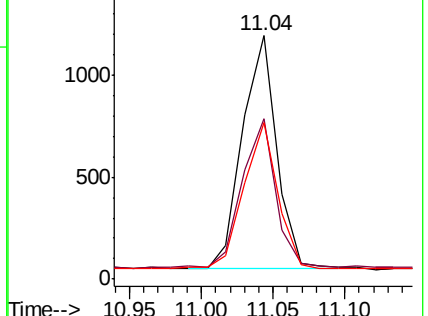
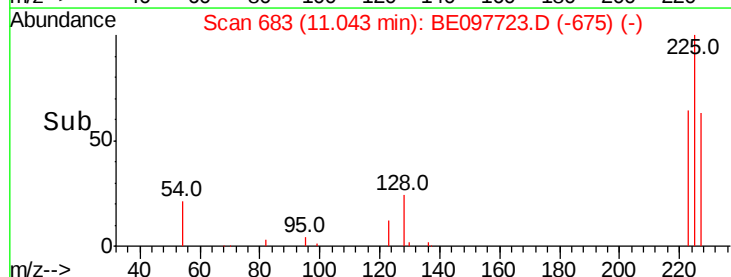


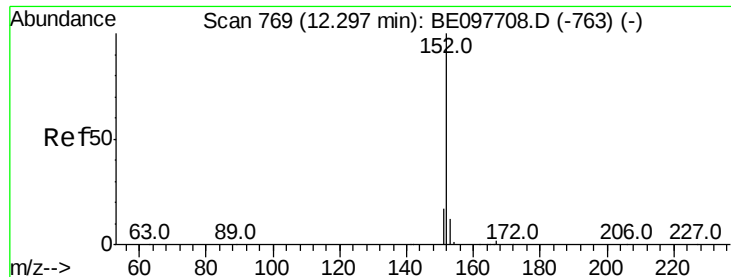
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





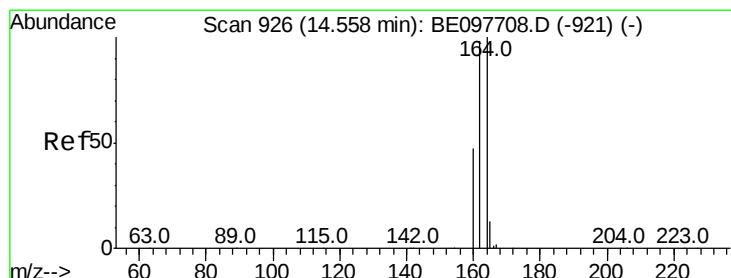
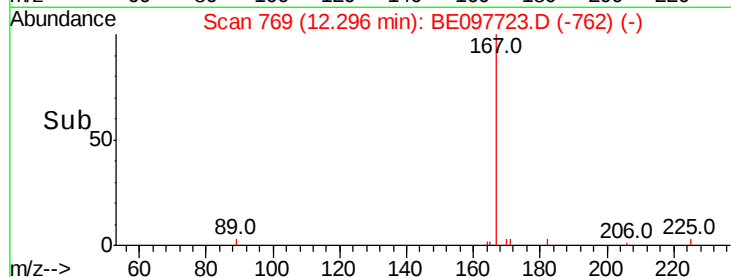
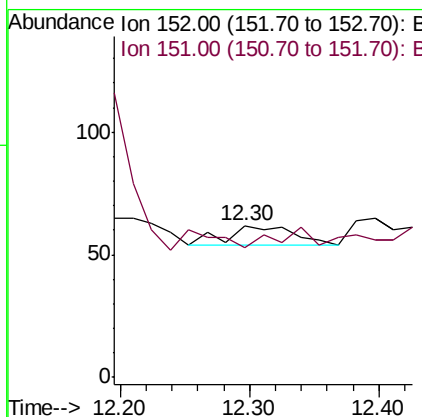
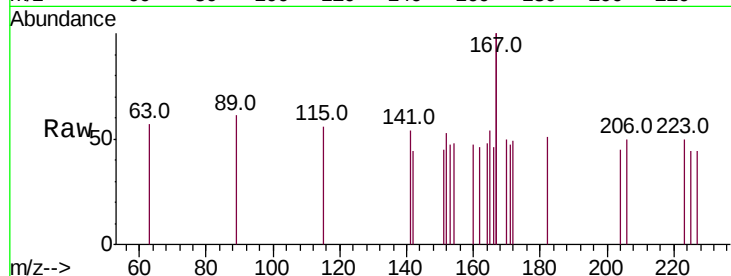
#11
 2-Methylnaphthalene-d10
 Concen: 0.001 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Instrument :
 BNA_E
 ClientSampled :
 PT-BN-WPRE

Tot Ion:152 Resp: 28
 Ion Ratio Lower Upper
 152 100
 151 0.0 15.4 23.2#

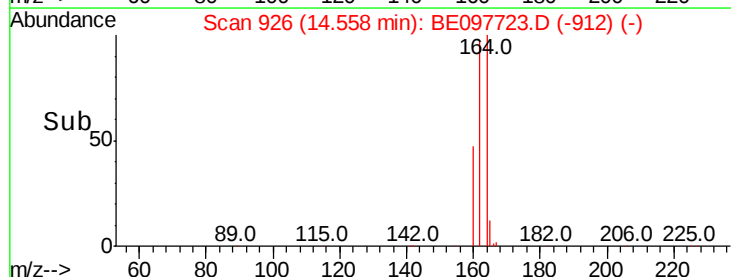
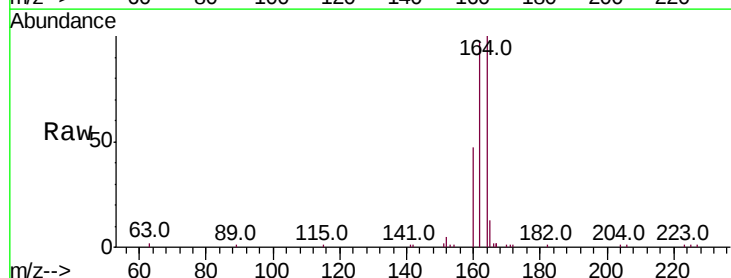
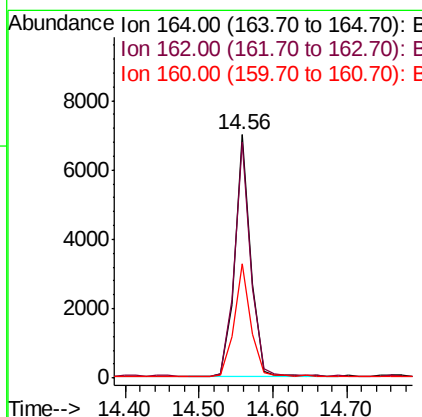
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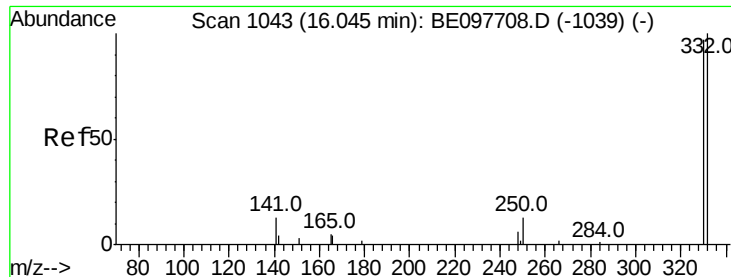
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.56 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion:164 Resp: 10412
 Ion Ratio Lower Upper
 164 100
 162 96.9 78.6 117.8
 160 47.1 37.8 56.6





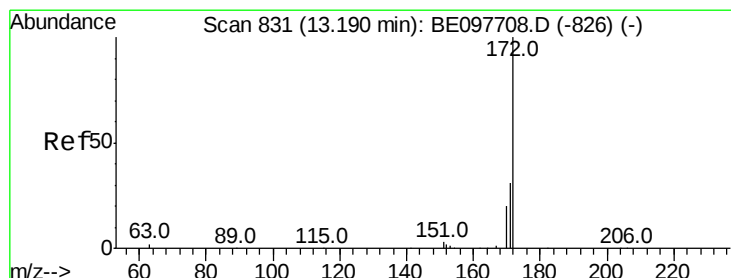
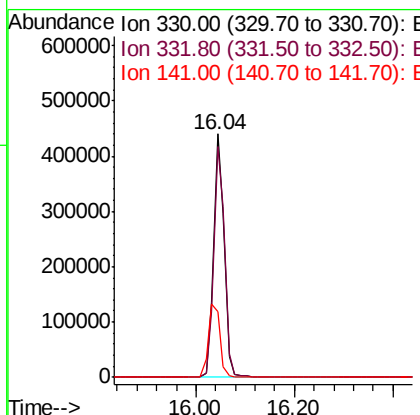
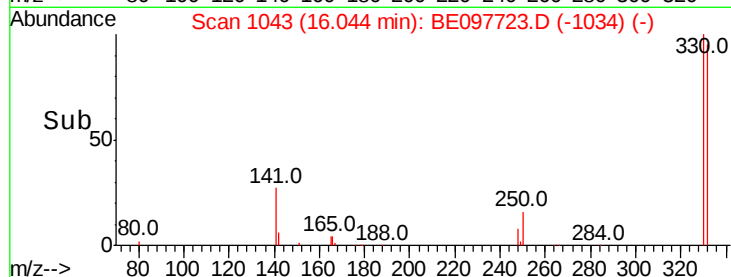
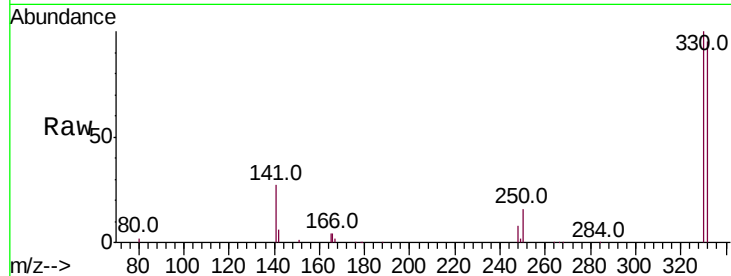
#14
 2,4,6-Tribromophenol
 Concen: 348.407 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPRE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	83.5	125.3
141	33.4	34.9	52.3

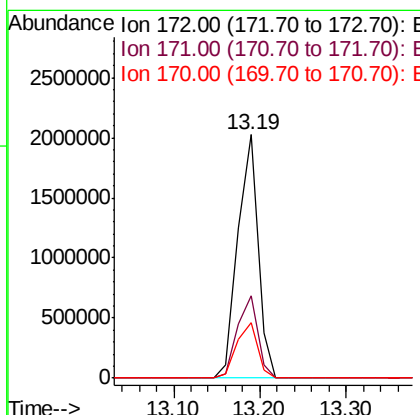
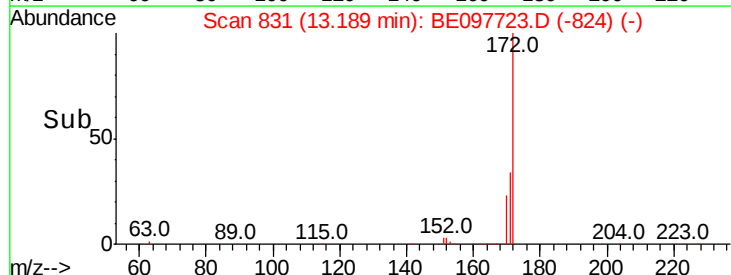
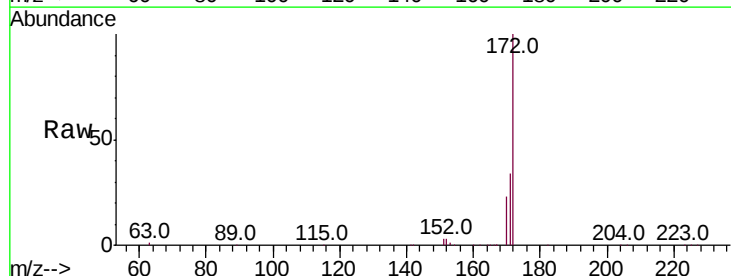
Manual Integrations
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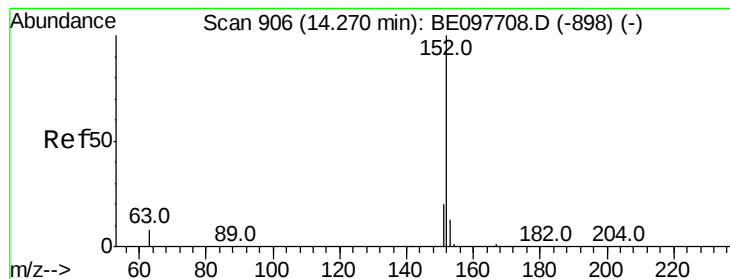
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#15
 2-Fluorobiphenyl
 Concen: 70.935 ng
 RT: 13.19 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BE097723.D
 Acq: 4 Oct 2018 12:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	25.2	37.8
170	22.5	16.2	24.2





#16

Acenaphthylene

Concen: 101.695 ng

RT: 14.28 min Scan# 907

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

Tot Ion:152 Resp: 4689178

Ion Ratio Lower Upper

152 100

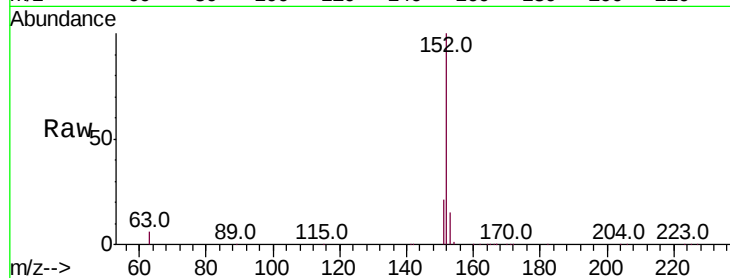
151 21.6 15.3 22.9

153 14.2 10.8 16.2

Manual Integrations
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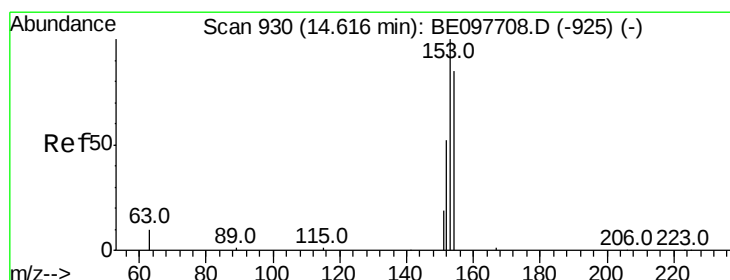
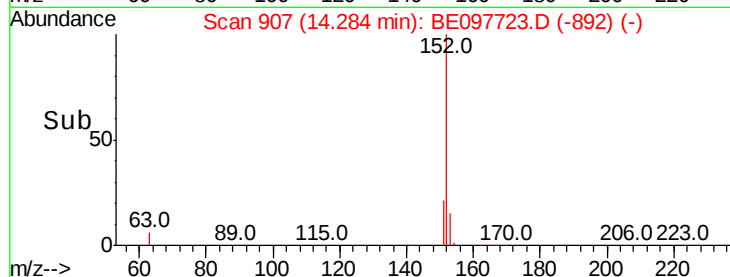
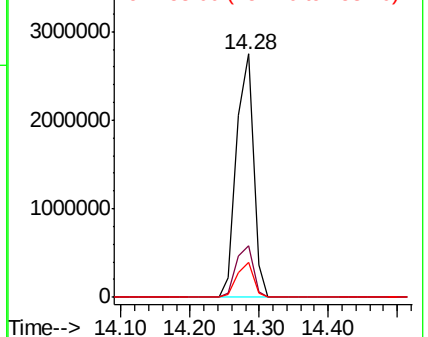
10/5/2018 5:24:07 PM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 89.150 ng

RT: 14.63 min Scan# 931

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

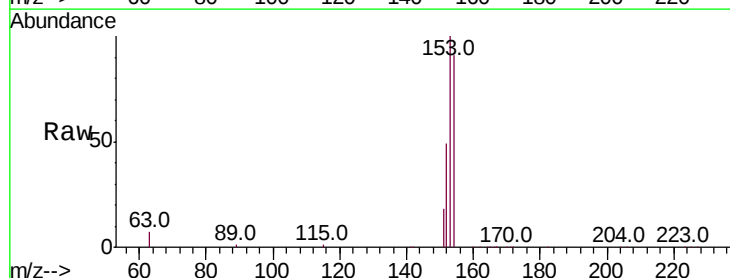
Tgt Ion:154 Resp: 2632812

Ion Ratio Lower Upper

154 100

153 113.8 93.3 139.9

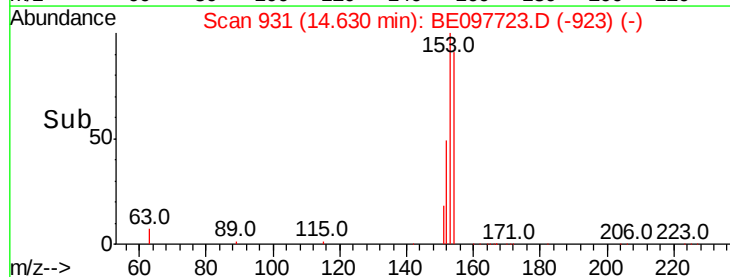
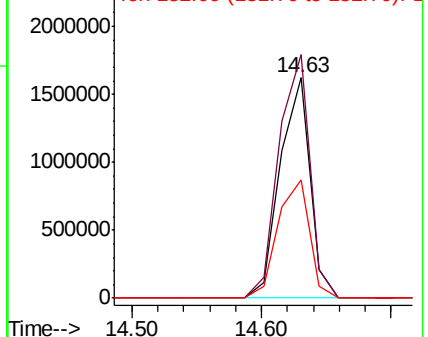
152 56.6 48.9 73.3

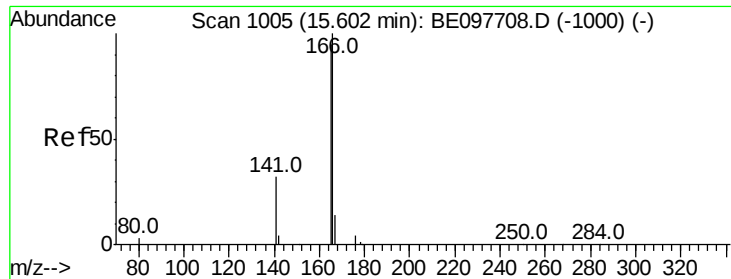


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 127.432 ng

RT: 15.60 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

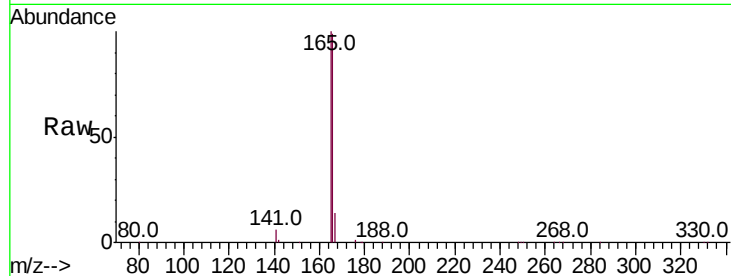
ClientSampleId :

PT-BN-WPRE

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.0	118.4
167	14.5	11.1	16.7

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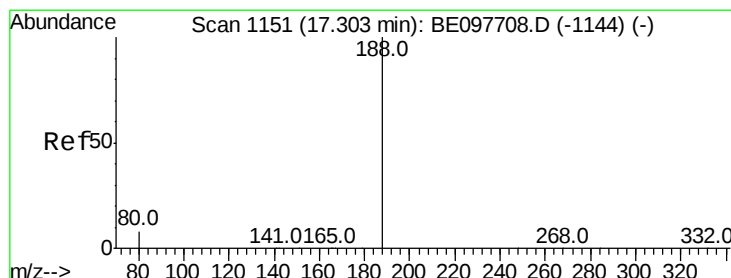
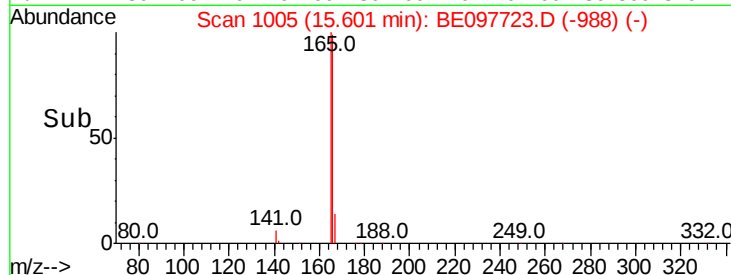
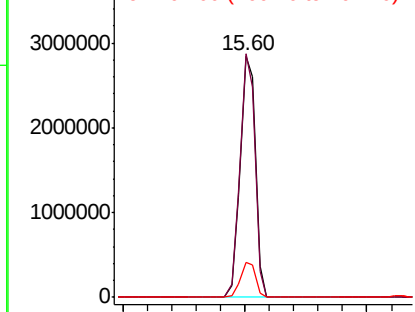


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.30 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

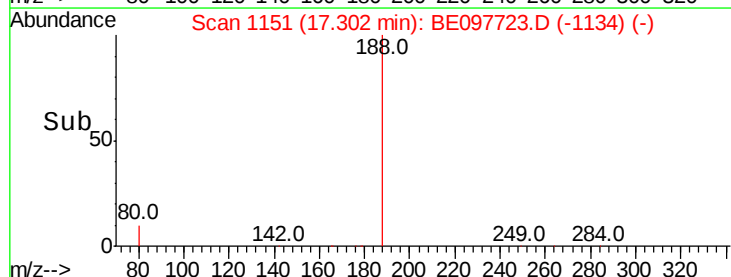
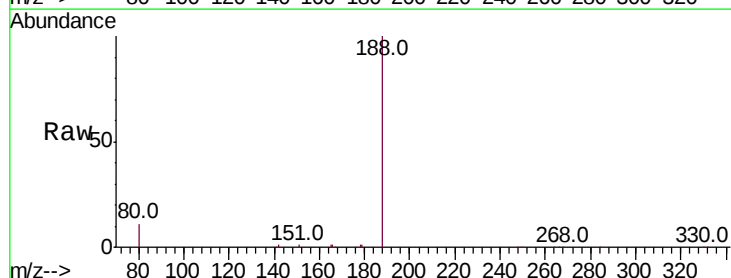
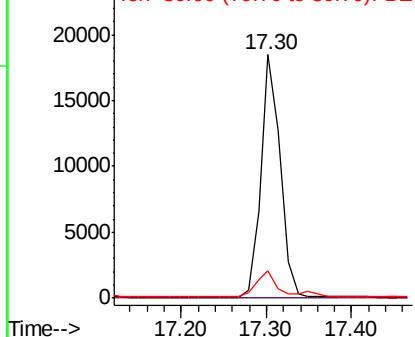
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	6.6	9.8

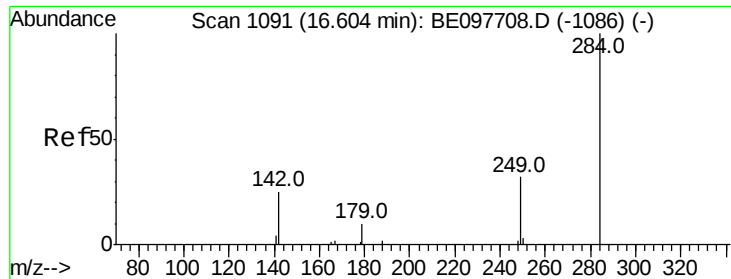
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





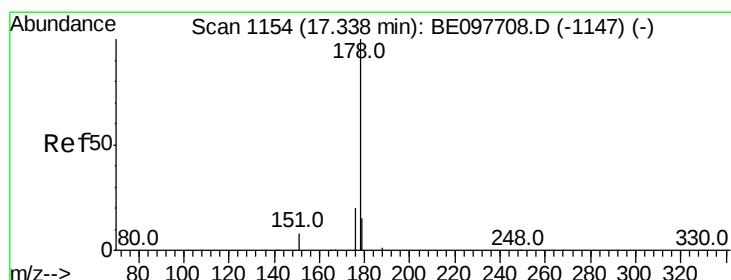
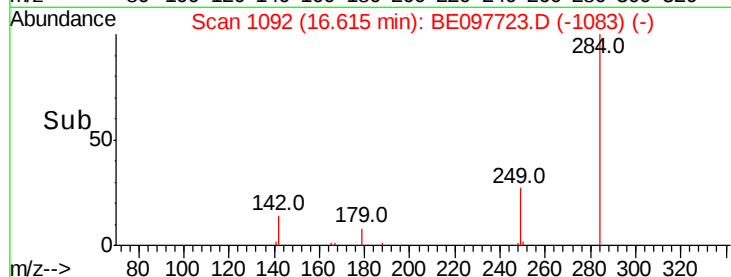
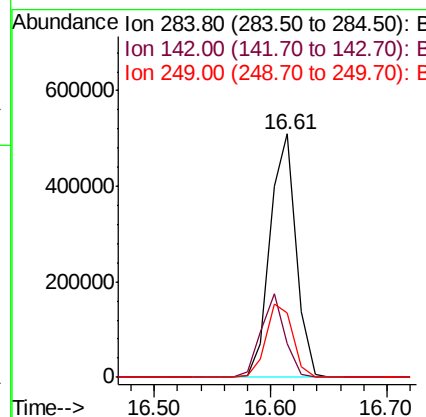
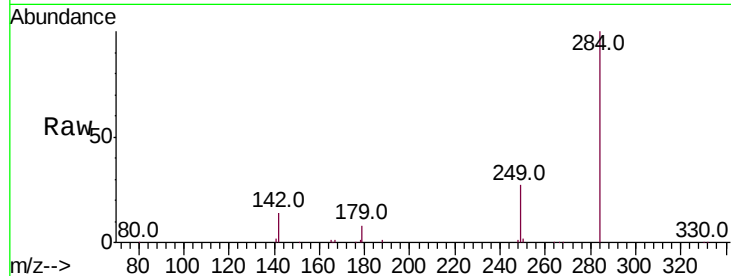
#21
Hexachlorobenzene
Concen: 46.238 ng
RT: 16.61 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

Tot Ion	Ratio	Lower	Upper
284	100		
142	31.6	24.9	37.3
249	31.4	25.8	38.8

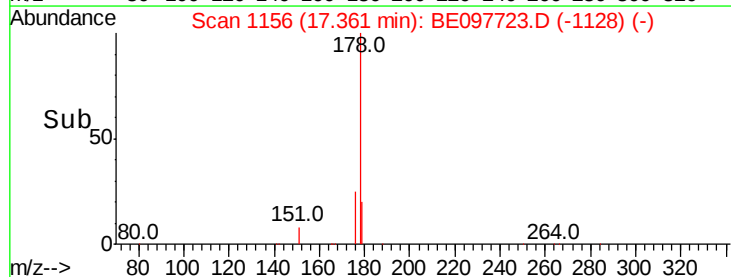
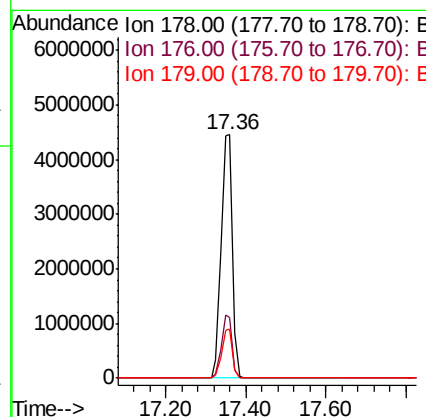
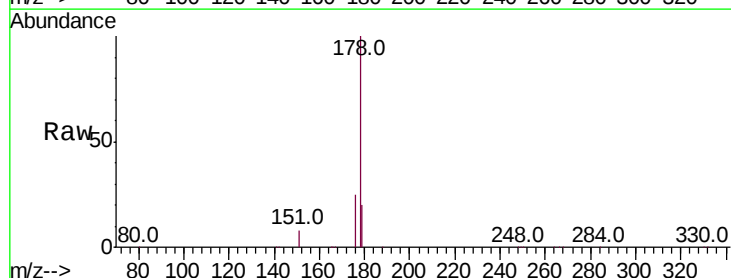
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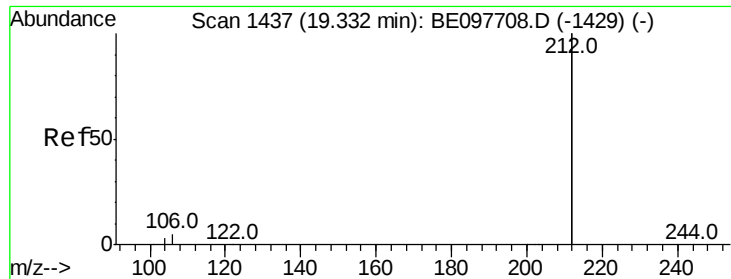
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#23
Phenanthrene
Concen: 116.142 ng
RT: 17.36 min Scan# 1156
Delta R.T. 0.02 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.3	15.4	23.2#
179	18.8	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.002 ng

RT: 19.33 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

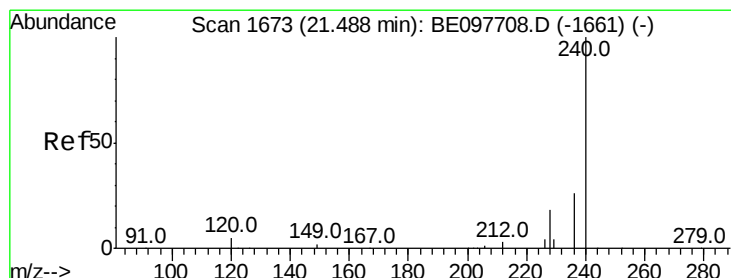
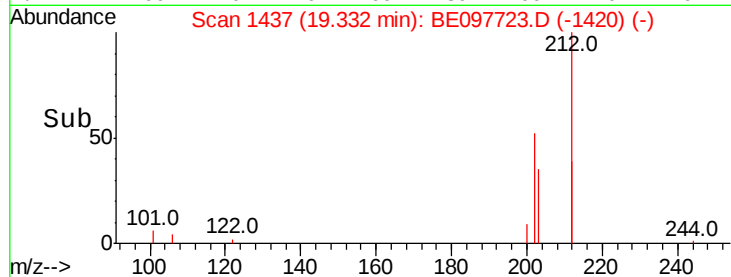
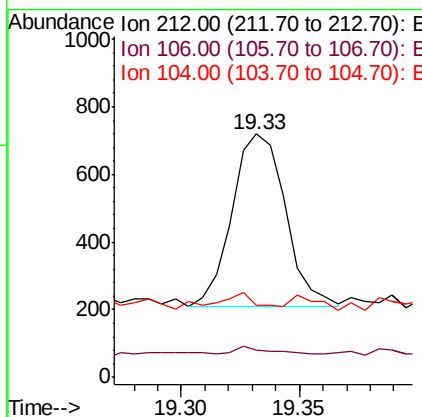
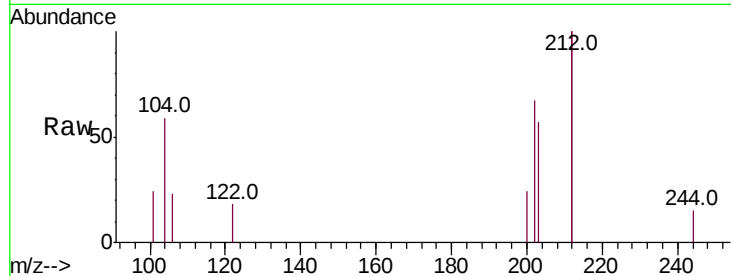
ClientSampleId :

PT-BN-WPRE

Tot Ion:	212	Resp:	811
Ion Ratio	Lower	Upper	
212	100		
106	2.8	2.2	3.2
104	0.0	1.2	1.8

Manual Integrations
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#27

Chrysene-d12

Concen: 0.400 ng

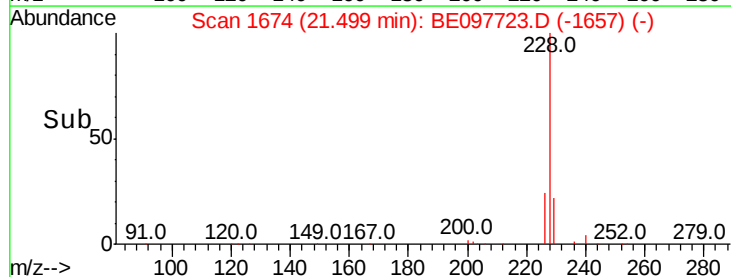
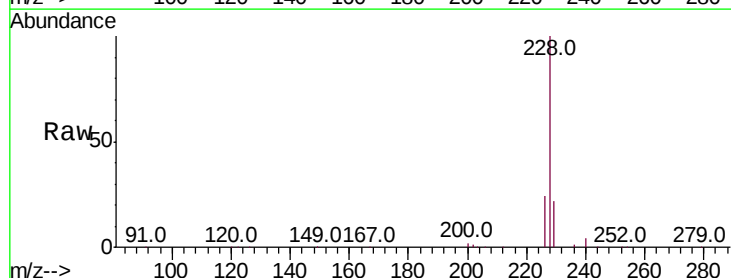
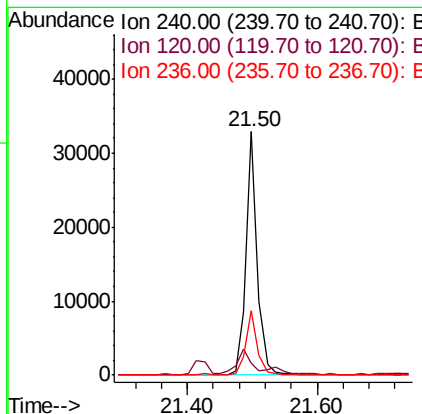
RT: 21.50 min Scan# 1674

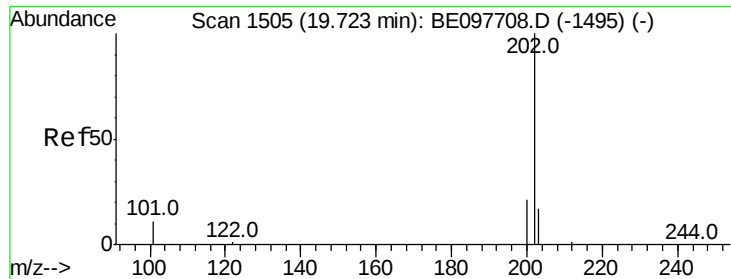
Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Tgt Ion:	240	Resp:	39275
Ion Ratio	Lower	Upper	
240	100		
120	5.1	4.7	7.1
236	26.3	20.8	31.2





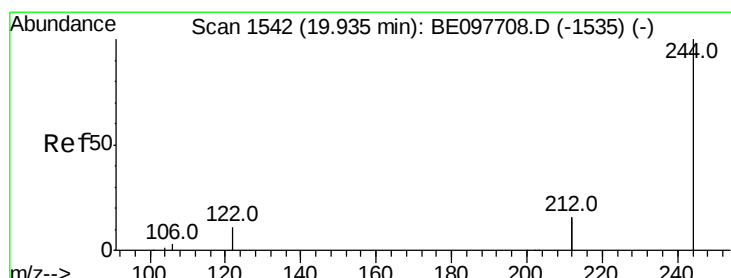
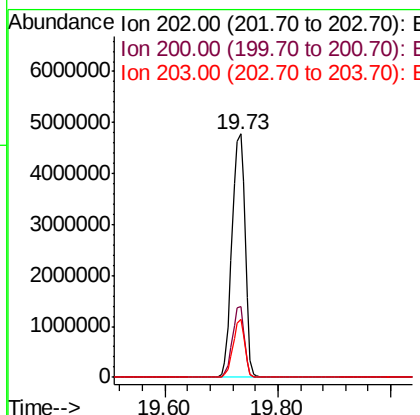
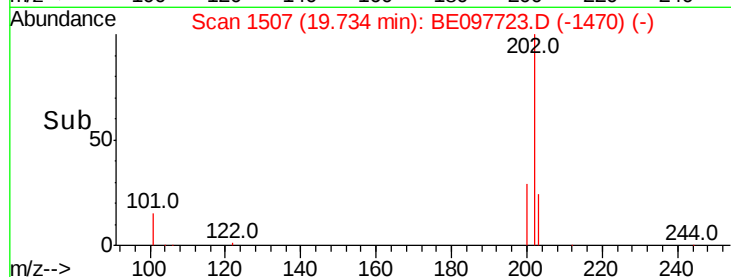
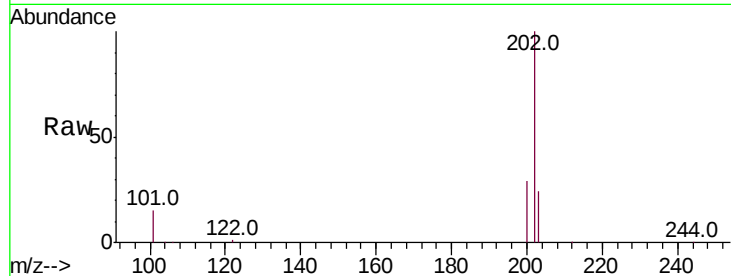
#28
Pvrene
Concen: 78.820 ng
RT: 19.73 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

Tot Ion:202 Resp: 7866338
Ion Ratio Lower Upper
202 100
200 26.3 16.7 25.1#
203 21.3 13.9 20.9#

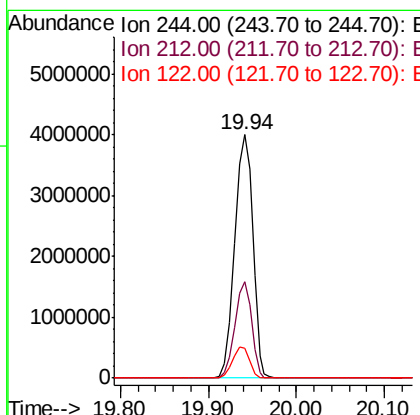
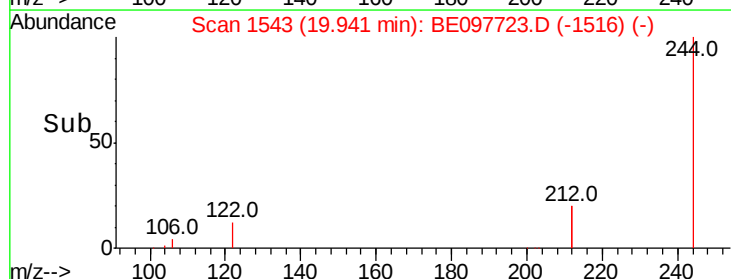
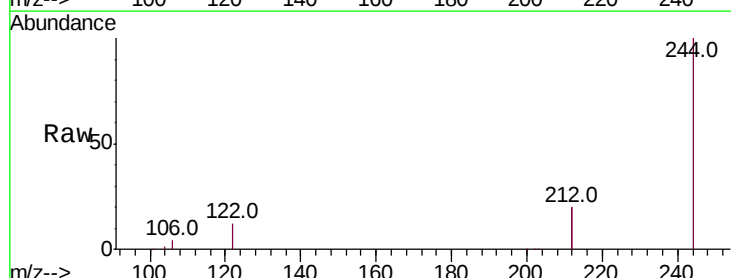
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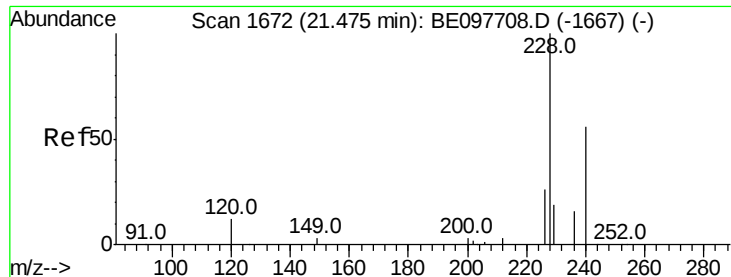
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#29
Terphenyl-d14
Concen: 95.553 ng
RT: 19.94 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion:244 Resp: 7662359
Ion Ratio Lower Upper
244 100
212 39.9 25.8 38.8#
122 12.1 8.7 13.1





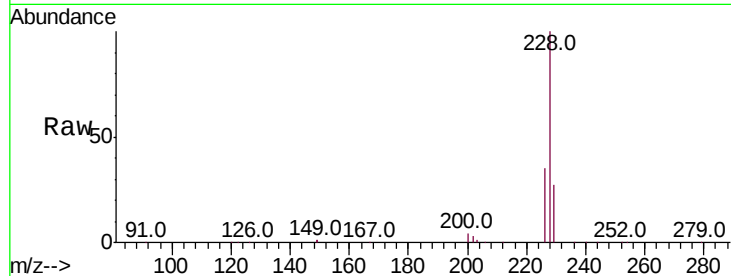
#30
Benzo(a)anthracene
Concen: 87.500 ng
RT: 21.49 min Scan# 1673
Delta R.T. 0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

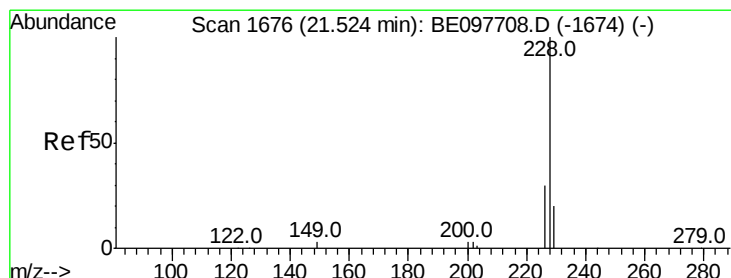
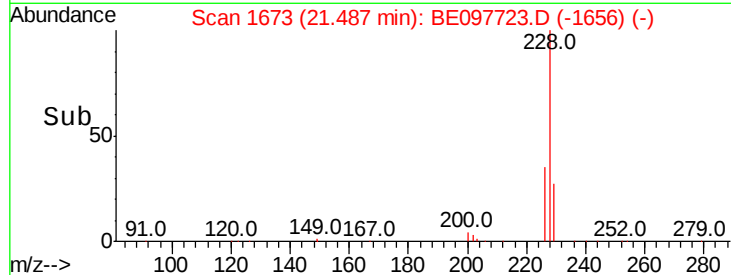
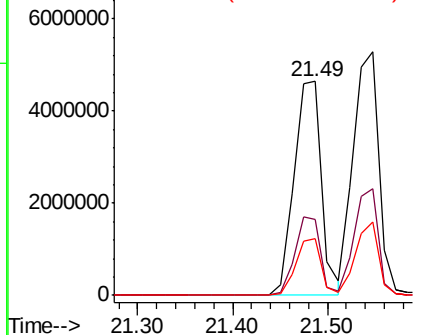
Tot Ion:228 Resp: 9239171
Ion Ratio Lower Upper
228 100
226 35.3 20.7 31.1#
229 26.6 15.7 23.5#

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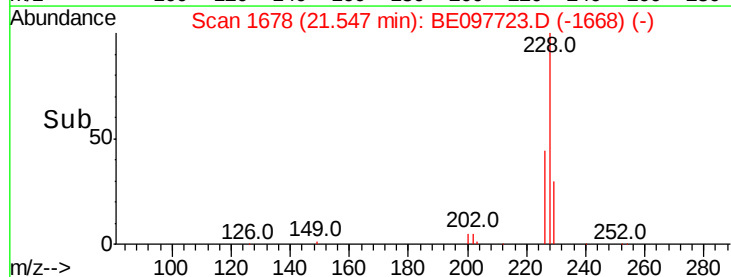
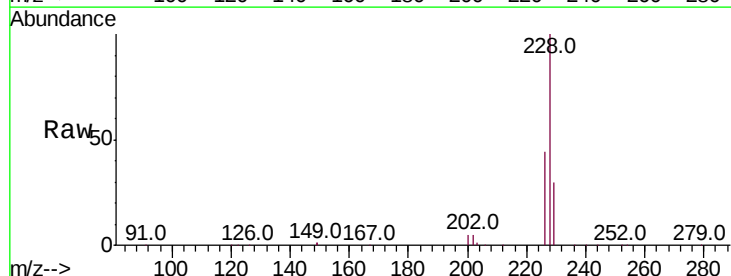
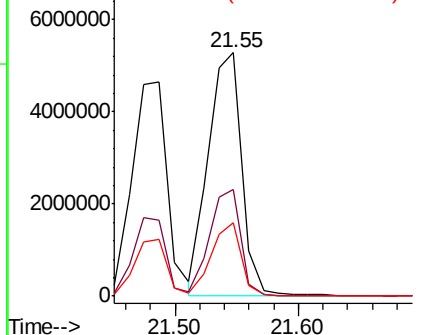
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

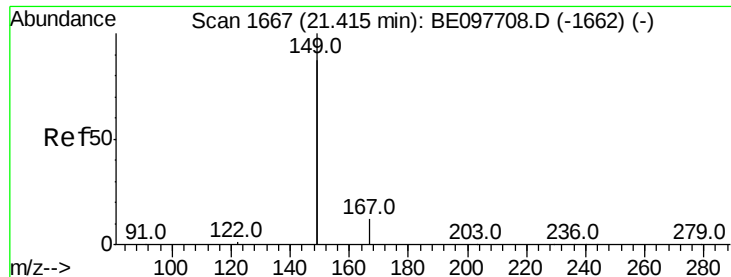


#31
Chrysene
Concen: 84.124 ng
RT: 21.55 min Scan# 1678
Delta R.T. 0.02 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion:228 Resp: 9929989
Ion Ratio Lower Upper
228 100
226 44.0 24.3 36.5#
229 30.1 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





#32

Bis(2-ethylhexyl)phthalate

Concen: 222.533 ng

RT: 21.43 min Scan# 1668

Delta R.T. 0.01 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

Tot Ion:149 Resp:17187218

Ion Ratio Lower Upper

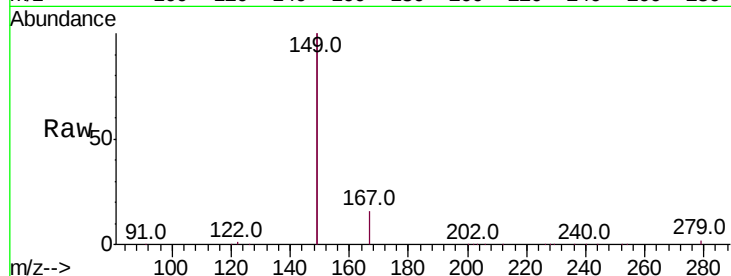
149 100

167 7.4 5.5 8.3

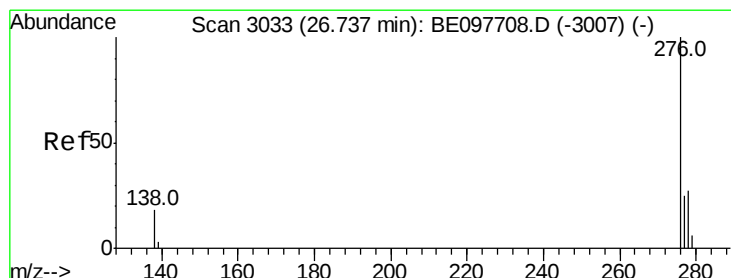
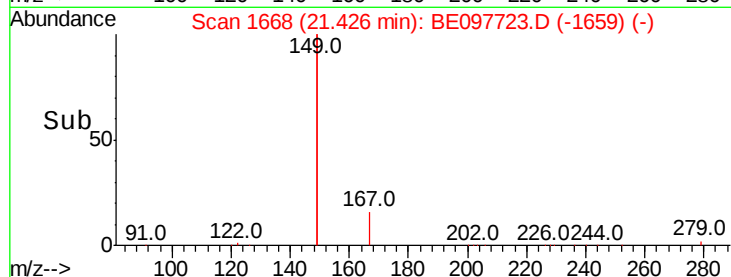
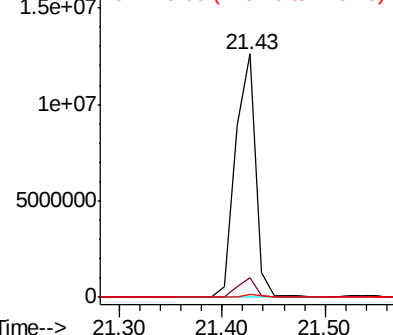
279 1.2 0.9 1.3

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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: 53.218 ng

RT: 26.76 min Scan# 3040

Delta R.T. 0.02 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

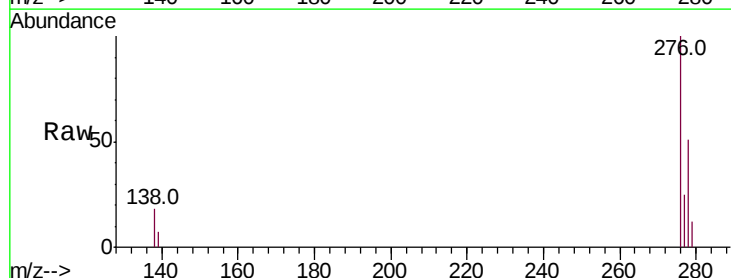
Tgt Ion:276 Resp: 5456010

Ion Ratio Lower Upper

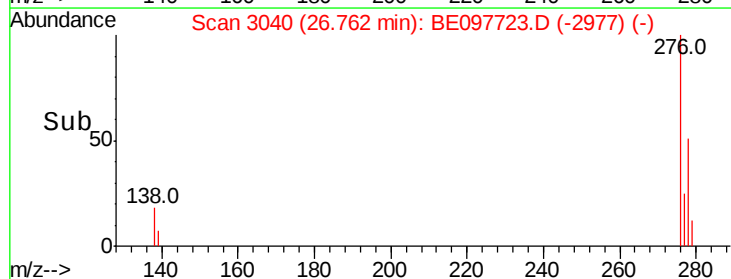
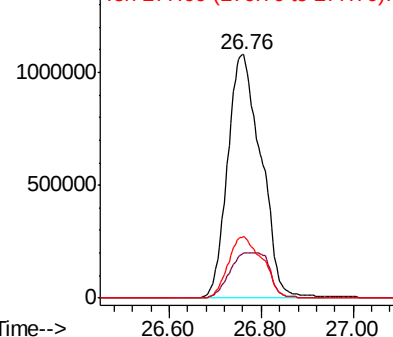
276 100

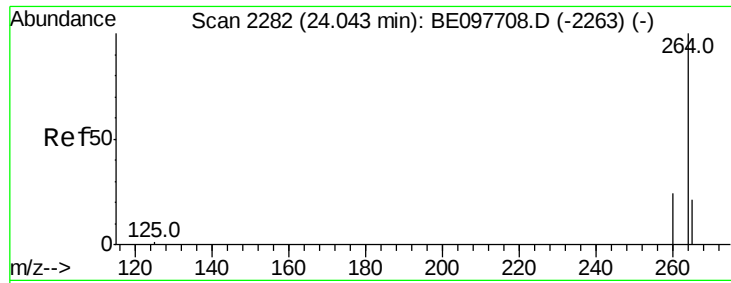
138 22.0 15.0 22.6

277 26.2 19.2 28.8



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





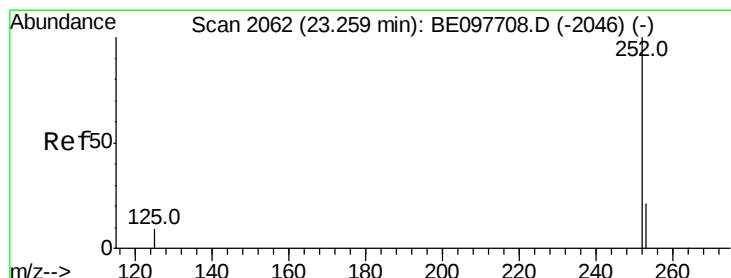
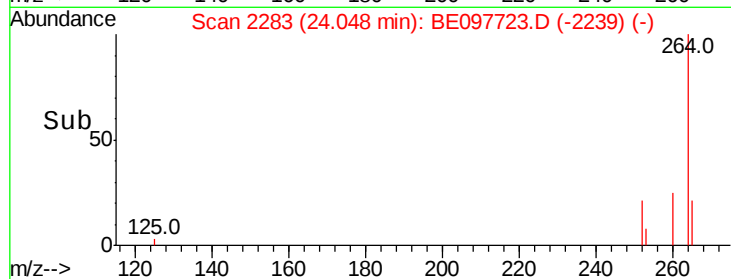
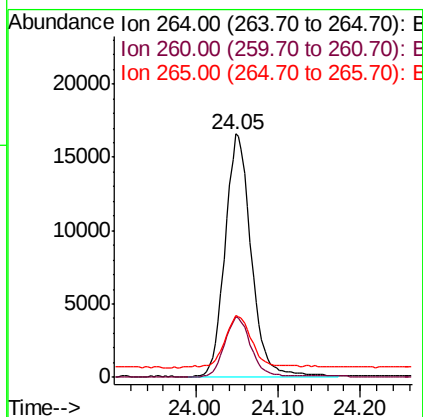
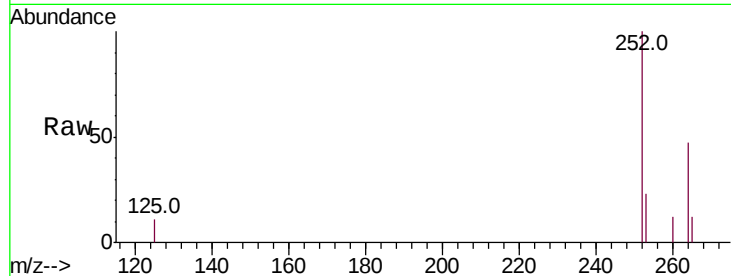
#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.05 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Instrument :
BNA_E
ClientSampled :
PT-BN-WPRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.1	28.7
265	25.6	21.9	32.9

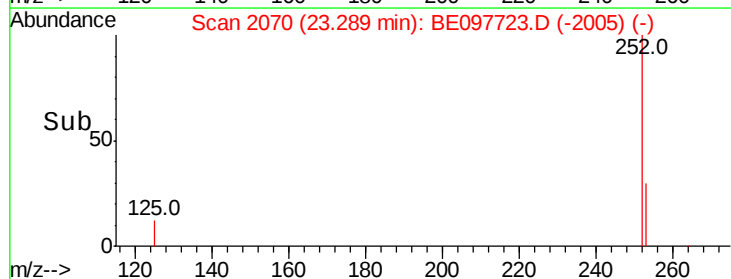
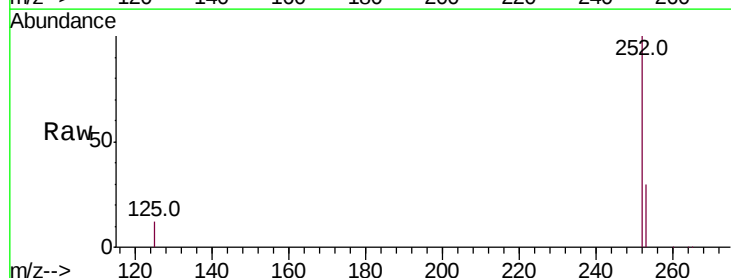
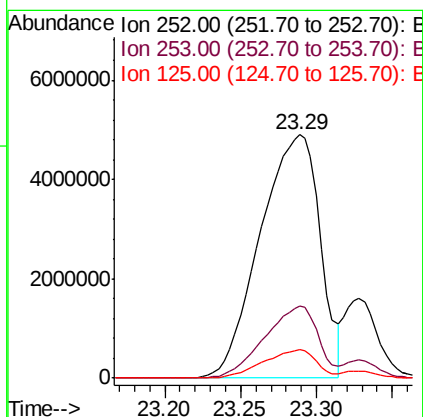
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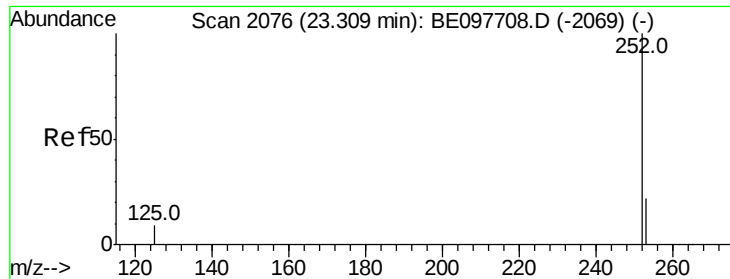
Sohil
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#35
Benzo(b)fluoranthene
Concen: 134.093 ng m
RT: 23.29 min Scan# 2070
Delta R.T. 0.03 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.5	26.3#
125	11.5	7.8	11.8





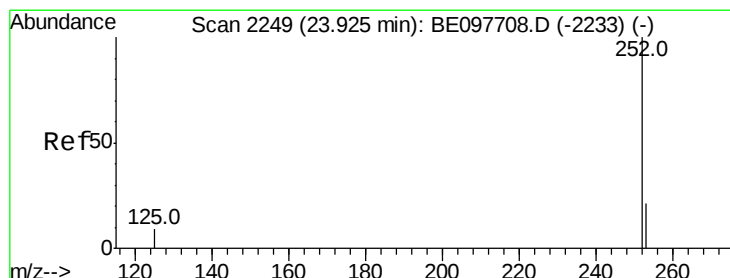
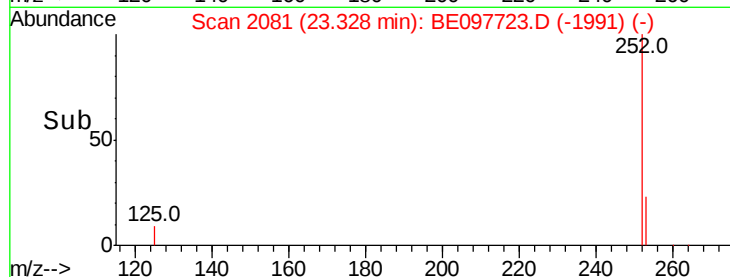
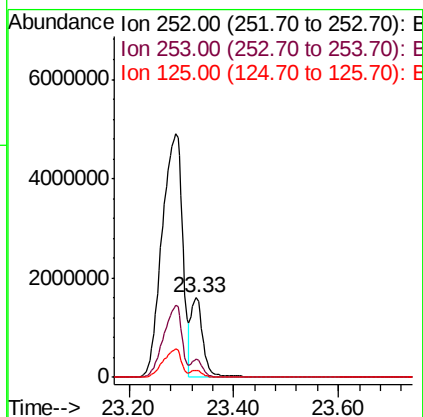
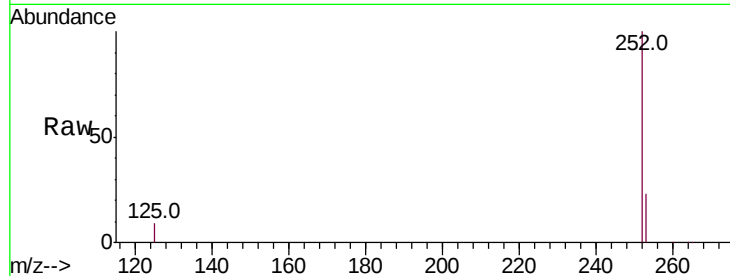
#36
Benzo(k)fluoranthene
Concen: 23.539 ng
RT: 23.33 min Scan# 2081
Delta R.T. 0.02 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPRE

Tot Ion:252 Resp: 2610577
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 8.9 7.5 11.3

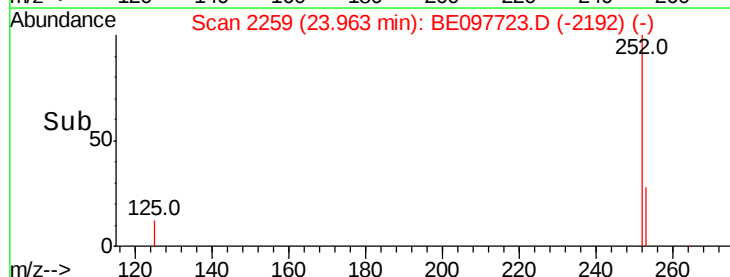
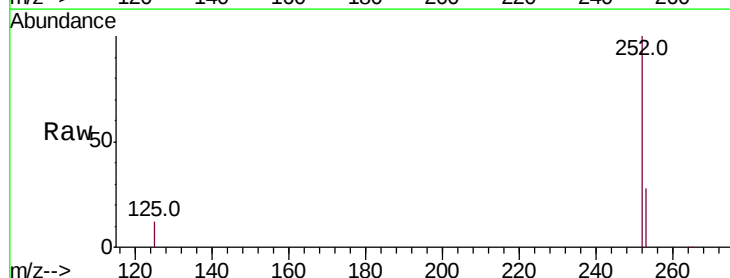
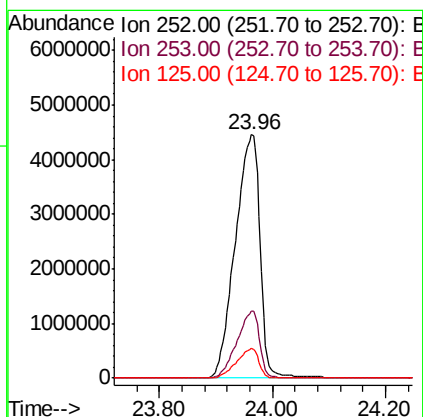
Manual Integrations
APPROVED

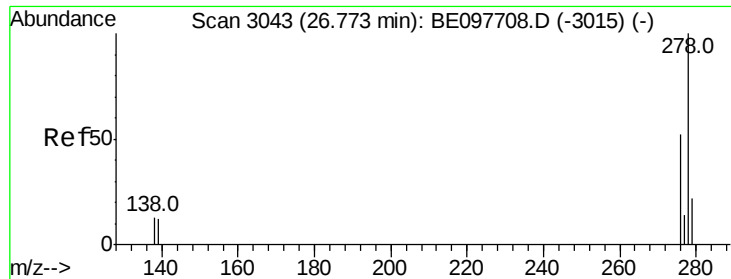
Sohil
10/5/2018 5:24:07 PM



#37
Benzo(a)pyrene
Concen: 149.487 ng
RT: 23.96 min Scan# 2259
Delta R.T. 0.04 min
Lab File: BE097723.D
Acq: 4 Oct 2018 12:19

Tgt Ion:252 Resp:13538250
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 12.1 8.3 12.5





#38

Dibenzo(a,h)anthracene

Concen: 74.072 ng

RT: 26.80 min Scan# 3052

Delta R.T. 0.03 min

Lab File: BE097723.D

Acq: 4 Oct 2018 12:19

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPRE

Tot Ion:278 Resp: 6607522

Ion Ratio Lower Upper

278 100

139 13.2 10.3 15.5

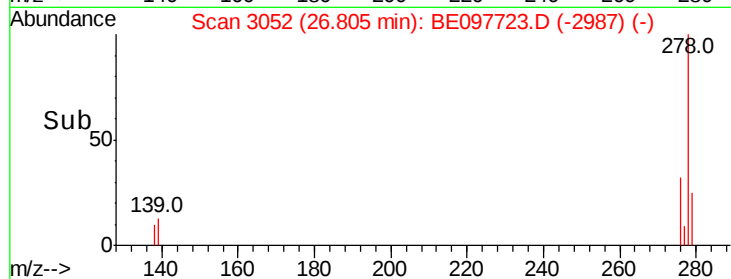
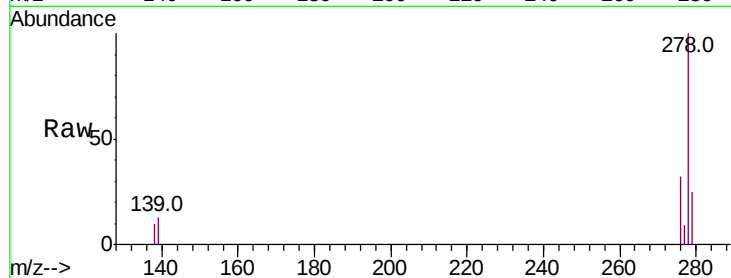
279 25.1 18.4 27.6

Manual Integrations

APPROVED

Sohil

10/5/2018 5:24:07 PM



Abundance Ion 278.00 (277.70 to 278.70): E

2500000 Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

