

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091018\
 Data File : BE097441.D
 Acq On : 10 Sep 2018 9:32
 Operator : SJ/JU
 Sample : PB112668BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 PB112668BS

Manual Integrations
 APPROVED

Sohil
 9/11/2018 4:39:32 PM

Quant Time: Sep 10 11:13:02 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 18:07:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	2271	0.80	ng	0.00
7) Naphthalene-d8	10.13	136	9601	0.80	ng	0.00
13) Acenaphthene-d10	14.00	164	4675	0.80	ng	-0.01
19) Phenanthrene-d10	16.76	188	11026	0.80	ng	-0.01
27) Chrysene-d12	20.97	240	15117	0.80	ng	0.00
34) Perylene-d12	23.20	264	16463	0.80	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	1417	0.42	ng	0.00
5) Phenol-d6	6.60	99	1735	0.39	ng	0.00
8) Nitrobenzene-d5	8.52	82	1465	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3732	0.56	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	282	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3517	0.41	ng	0.00
25) Fluoranthene-d10	18.80	212	23361	0.37	ng	0.00
29) Terphenyl-d14	19.42	244	4043	0.29	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	627	0.311	ng	# 65
3) n-Nitrosodimethylamine	3.38	42	699	0.371	ng	# 91
6) bis(2-Chloroethyl)ether	6.83	93	1393	0.337	ng	87
9) Naphthalene	10.17	128	17349	0.397	ng	100
10) Hexachlorobutadiene	10.47	225	734	0.376	ng	97
12) 2-Methylnaphthalene	11.79	142	2704	0.392	ng	100
16) Acenaphthylene	13.72	152	3577	0.385	ng	99
17) Acenaphthene	14.07	154	2341	0.378	ng	97
18) Fluorene	15.07	166	2869	0.366	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	904	0.361	ng	# 82
21) Hexachlorobenzene	16.07	284	1049	0.378	ng	# 84
22) Pentachlorophenol	16.43	266	525	0.892	ng	# 78
23) Phenanthrene	16.80	178	5101	0.389	ng	99
24) Anthracene	16.89	178	4468	0.400	ng	96
26) Fluoranthene	18.83	202	5984	0.364	ng	98
28) Pyrene	19.19	202	6131	0.341	ng	99
30) Benzo(a)anthracene	20.96	228	7794	0.408	ng	95
31) Chrysene	21.00	228	7817	0.380	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	11189	0.583	ng	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	10223	0.305	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8303	0.394	ng	# 89
36) Benzo(k)fluoranthene	22.57	252	9020m	0.392	ng	
37) Benzo(a)pyrene	23.10	252	8160	0.384	ng	# 91
38) Dibenzo(a,h)anthracene	25.51	278	8485	0.297	ng	96
39) Benzo(g,h,i)perylene	26.19	276	8522	0.267	ng	# 89

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

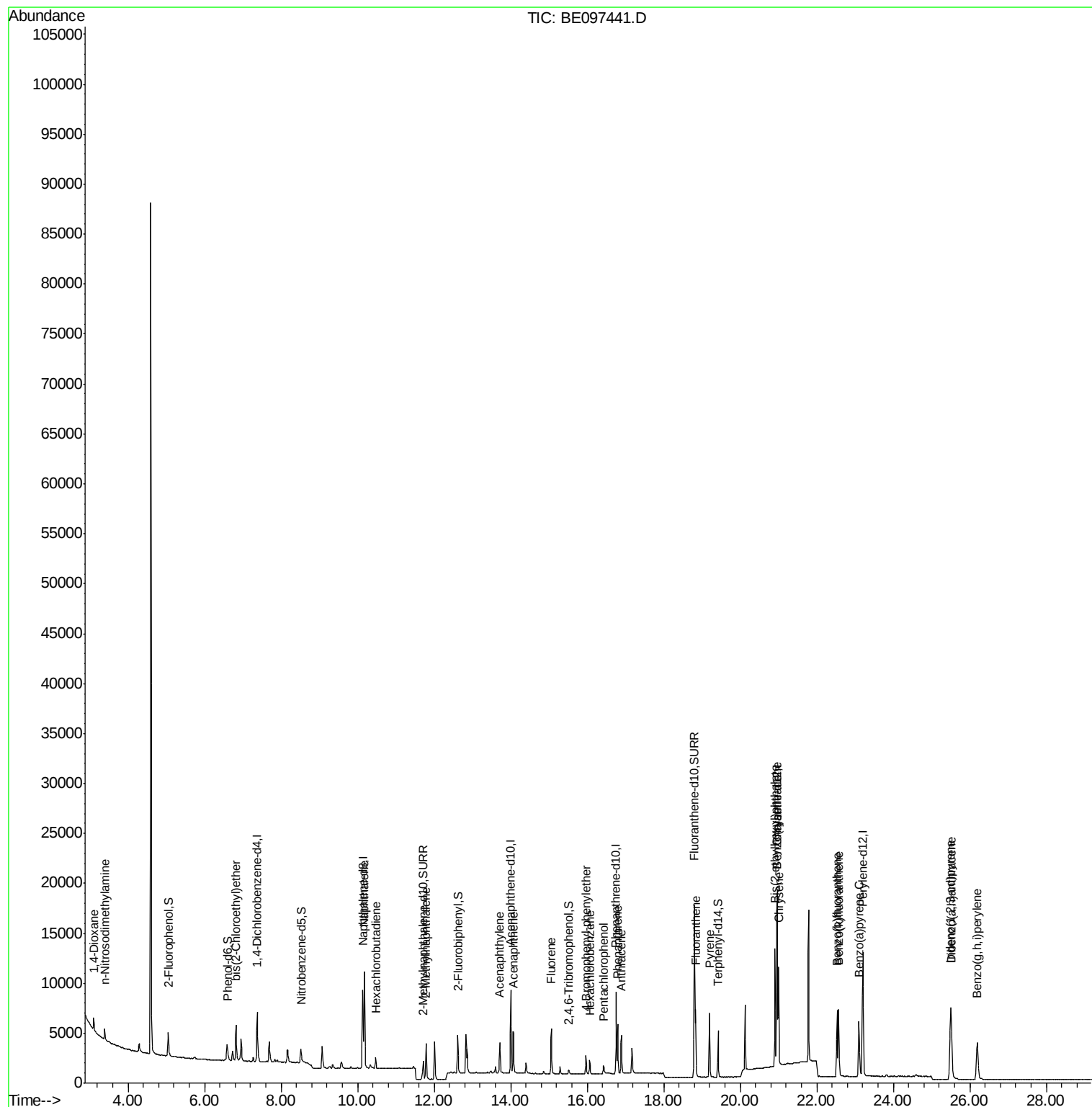
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091018\
Data File : BE097441.D
Acq On : 10 Sep 2018 9:32
Operator : SJ/JU
Sample : PB112668BS
Misc :
ALS Vial : 3 Sample Multiplier: 2

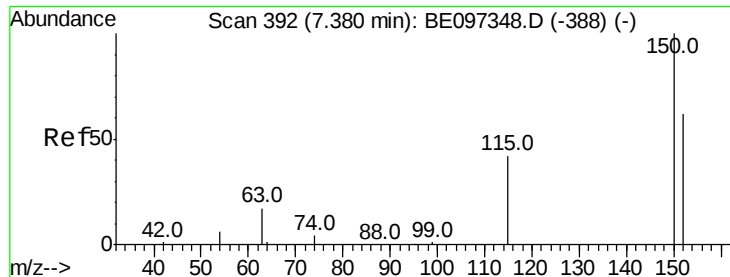
Instrument :
BNA_E
ClientSampleId :
PB112668BS

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM

Quant Time: Sep 10 11:13:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 18:07:26 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.800 ng

RT: 7.38 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

PB112668BS

Tot Ion:152 Resp: 2271

Ion Ratio Lower Upper

152 100

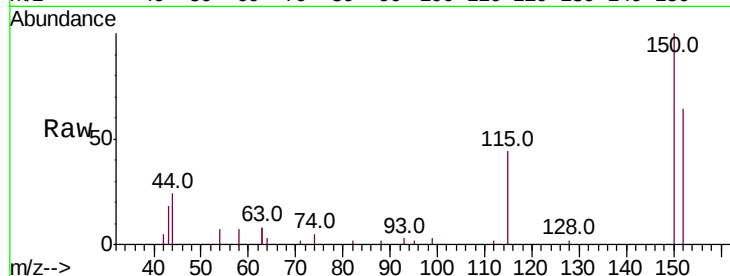
150 156.8 117.2 175.8

115 68.7 57.0 85.6

Manual Integrations
APPROVED

Sohil

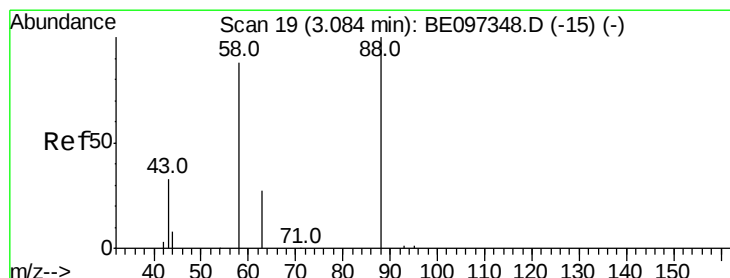
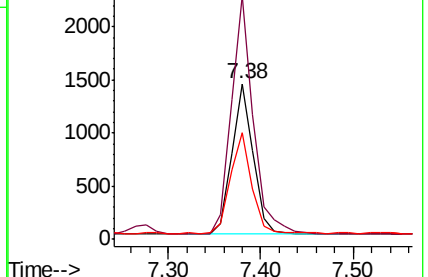
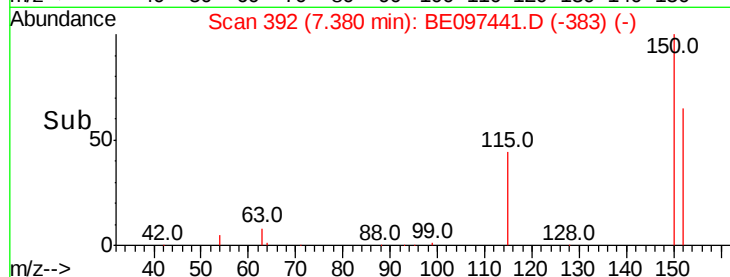
9/11/2018 4:39:32 PM



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: 0.311 ng

RT: 3.10 min Scan# 20

Delta R.T. 0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

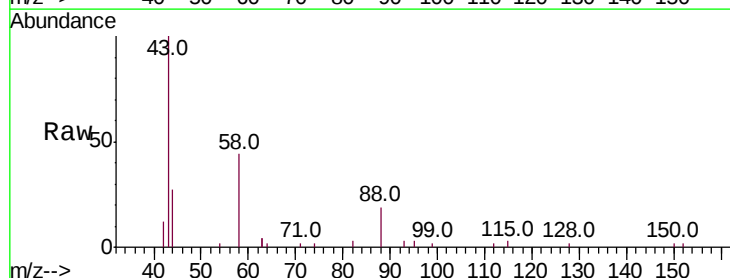
Tgt Ion: 88 Resp: 627

Ion Ratio Lower Upper

88 100

58 87.9 63.2 94.8

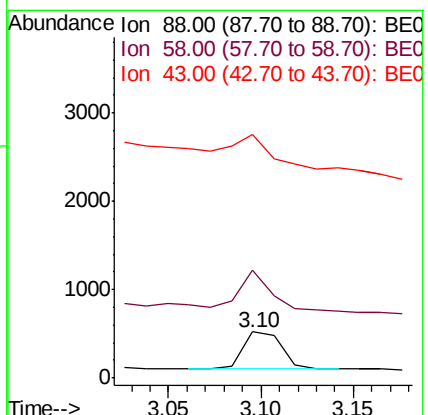
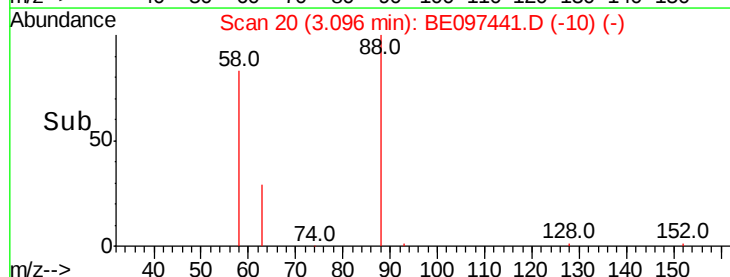
43 0.0 41.2 61.8#

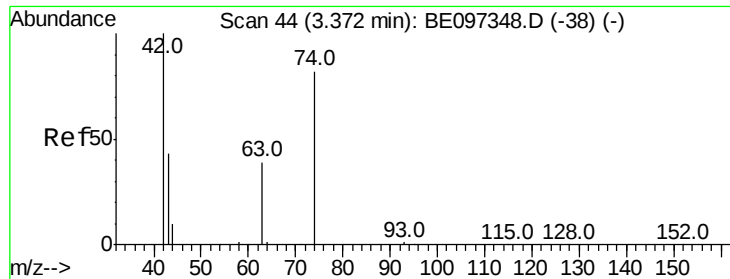


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





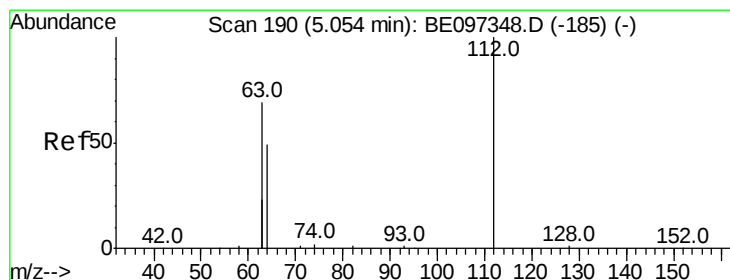
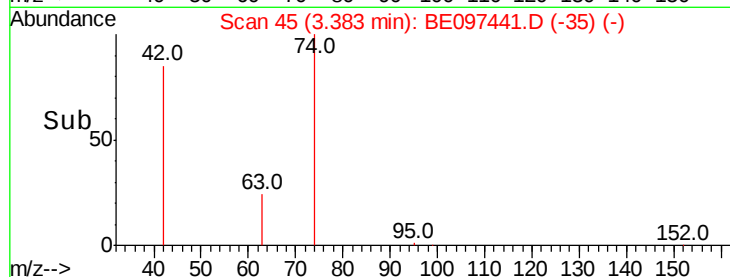
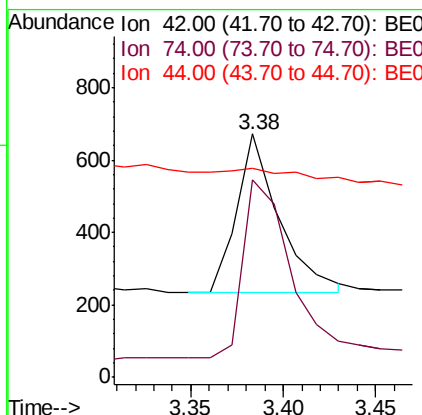
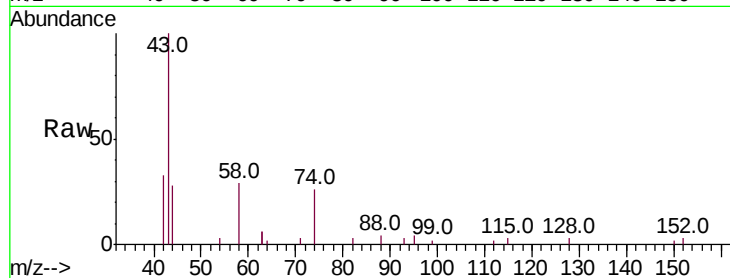
#3
n-Nitrosodimethylamine
Concen: 0.371 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Lower	Upper
42	100		
74	126.3	96.0	144.0
44	0.0	12.0	18.0

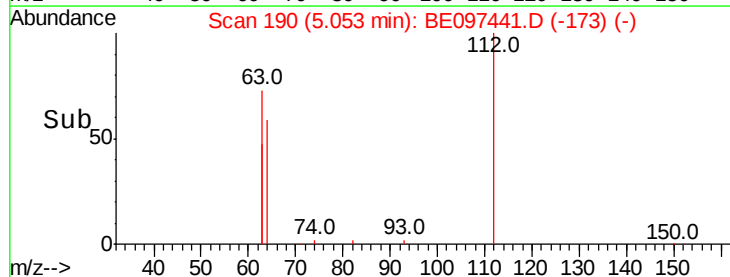
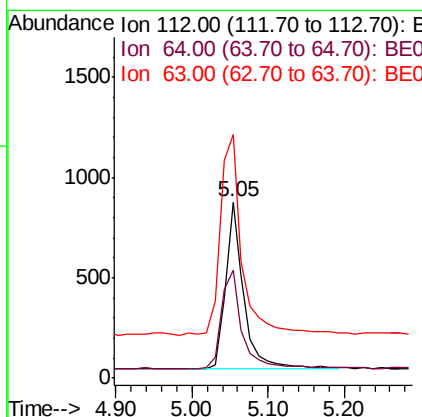
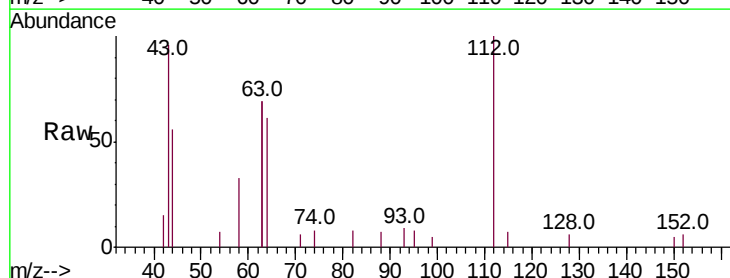
Manual Integrations
APPROVED

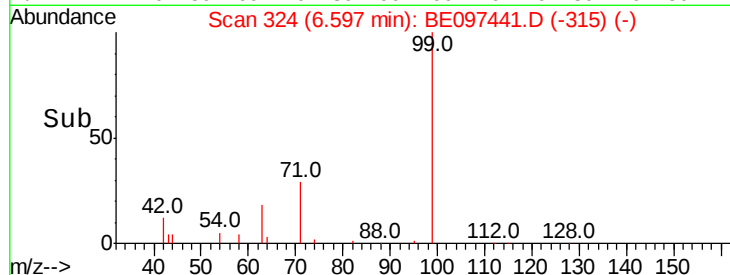
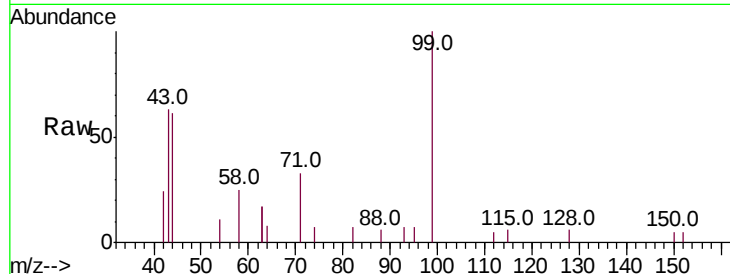
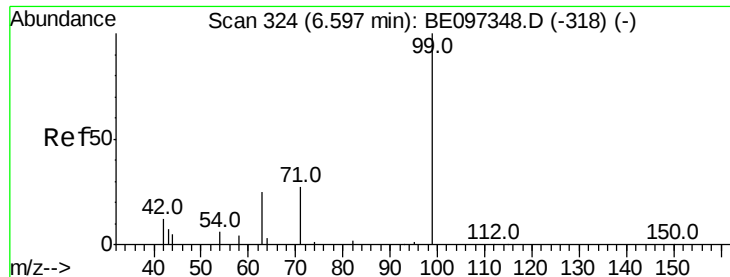
Sohil
9/11/2018 4:39:32 PM



#4
2-Fluorophenol
Concen: 0.422 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	60.1	90.1
63	144.5	116.8	175.2





#5

Phenol-d6

Concen: 0.387 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Tot Ion:	99	Resp:	1735
Ion	Ratio	Lower	Upper
99	100		
42	22.8	20.2	30.2
71	34.2	28.4	42.6

Instrument :

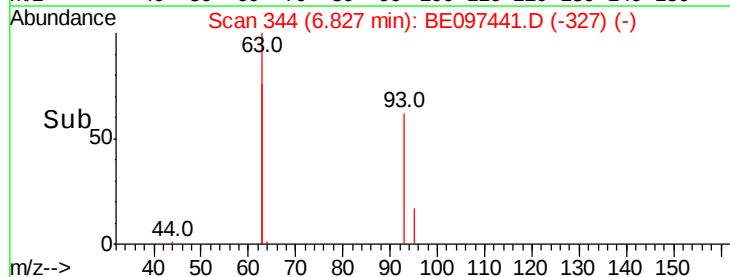
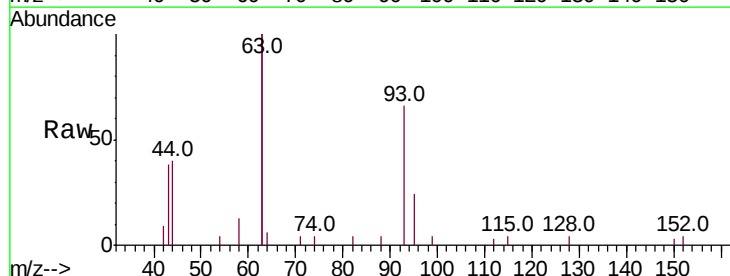
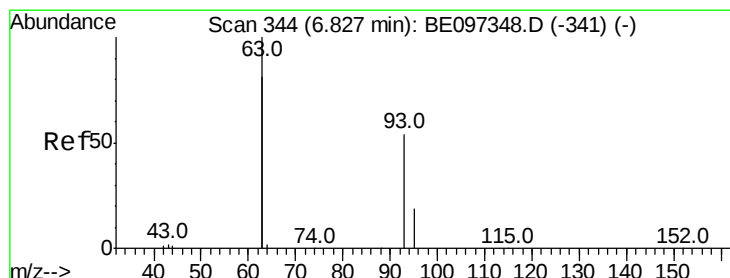
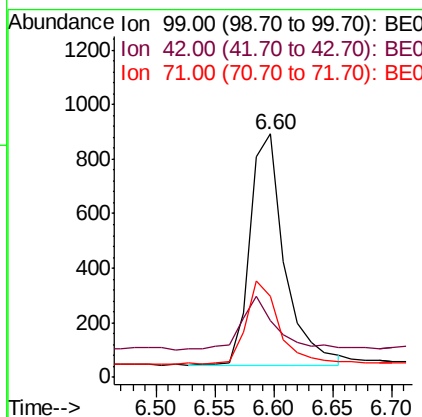
BNA_E

ClientSampleId :

PB112668BS

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.337 ng

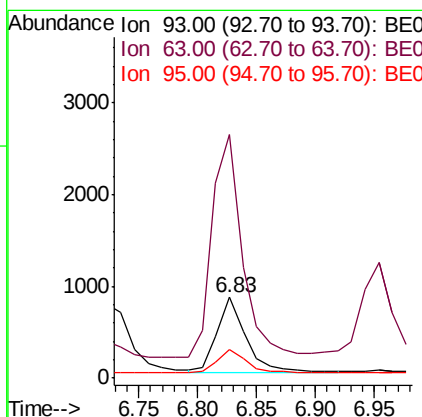
RT: 6.83 min Scan# 344

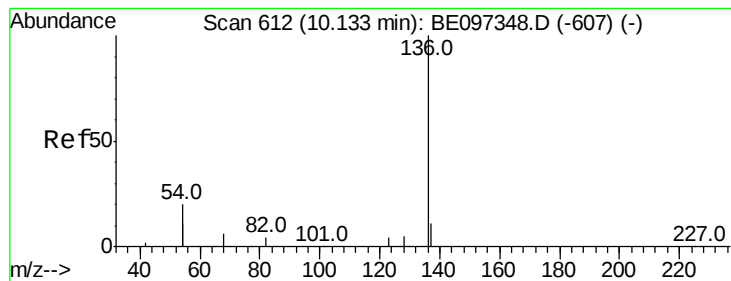
Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Tgt Ion:	93	Resp:	1393
Ion	Ratio	Lower	Upper
93	100		
63	313.7	275.3	412.9
95	32.4	25.2	37.8





#7

Naphthalene-d8

Concen: 0.800 ng

RT: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

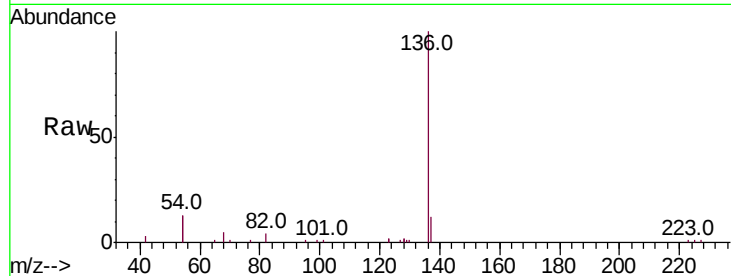
ClientSampleId :

PB112668BS

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	25.2	29.1	43.7#
68	5.4	6.2	9.2#

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM



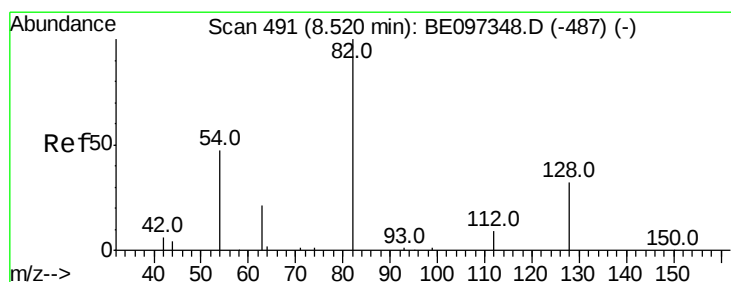
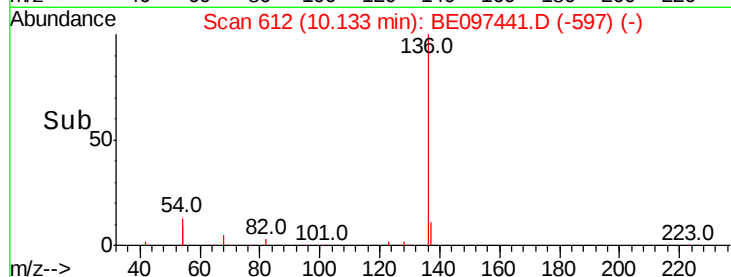
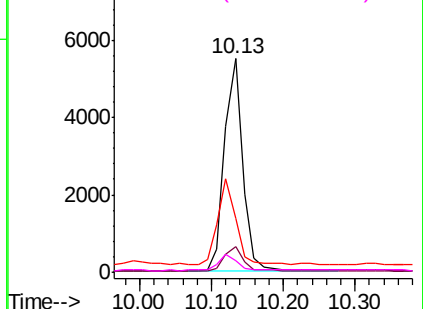
Abundance

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: 0.426 ng

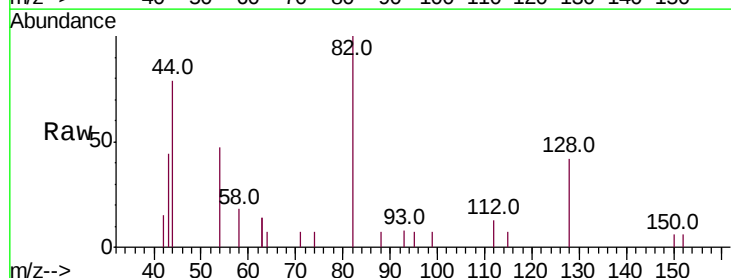
RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.0	24.0	36.0#
54	47.1	40.0	60.0

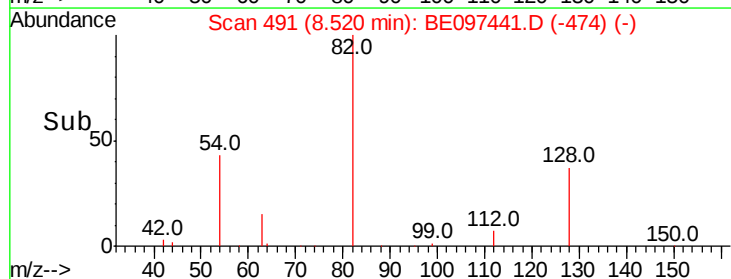
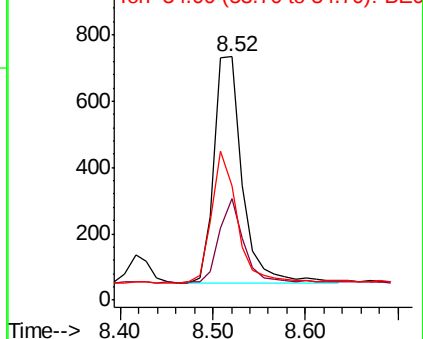


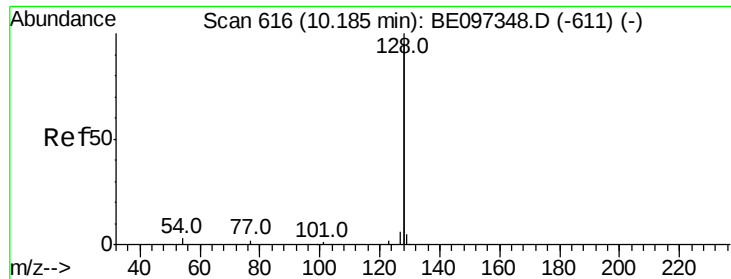
Abundance

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





#9

Naphthalene

Concen: 0.397 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

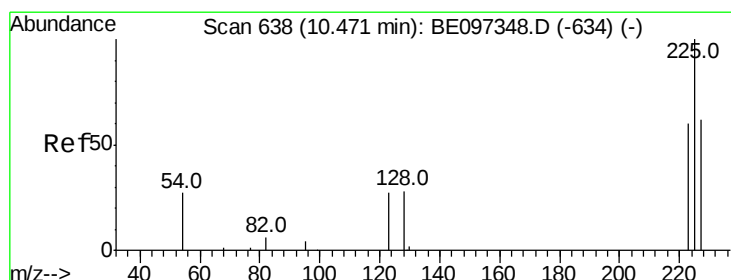
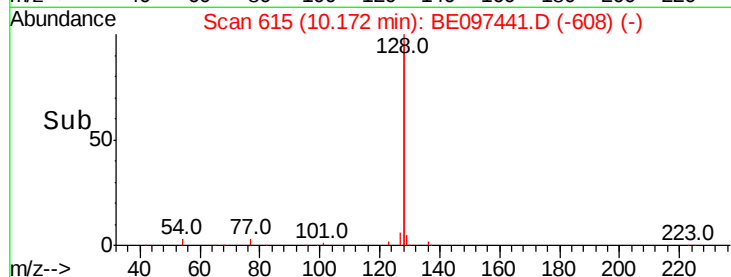
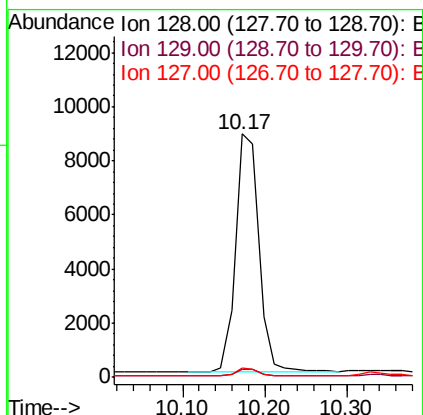
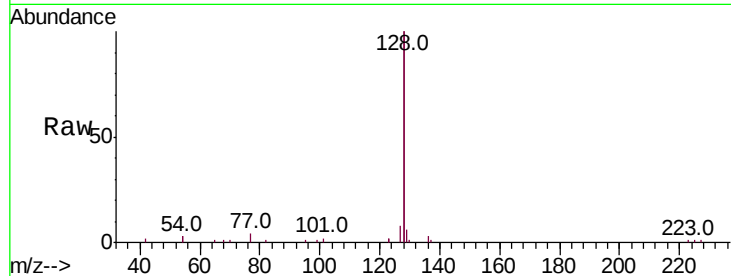
ClientSampleId :

PB112668BS

Tot Ion:	128	Resp:	17349
Ion Ratio	Lower	Upper	
128	100		
129	3.2	2.6	3.8
127	3.8	2.8	4.2

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM



#10

Hexachlorobutadiene

Concen: 0.376 ng

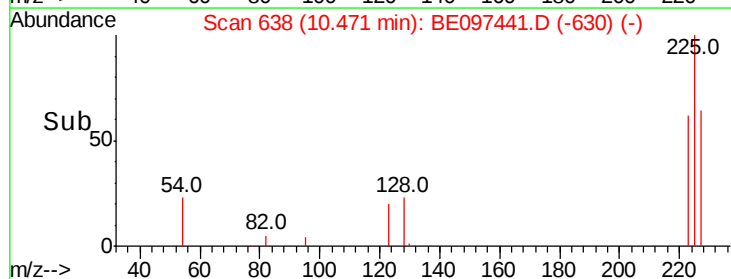
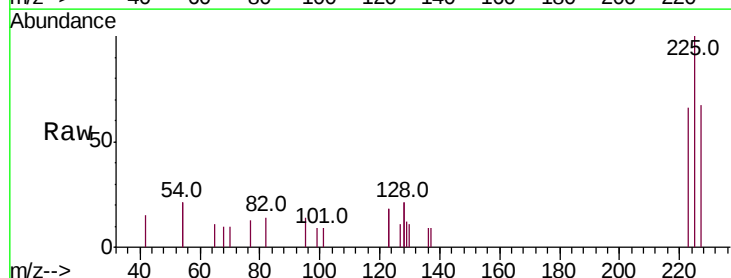
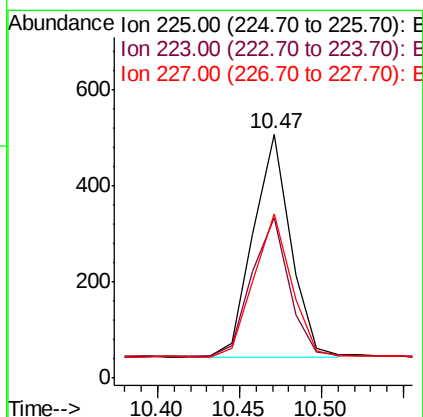
RT: 10.47 min Scan# 638

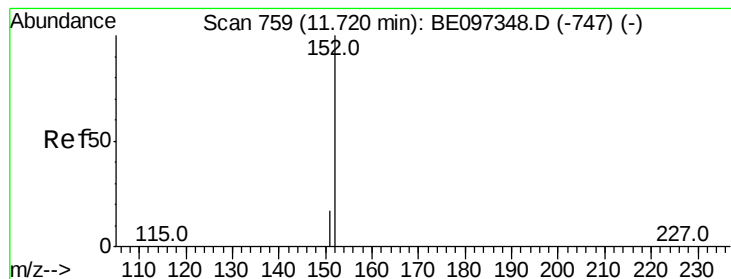
Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Tgt Ion:	225	Resp:	734
Ion Ratio	Lower	Upper	
225	100		
223	61.6	53.0	79.6
227	64.3	51.4	77.2





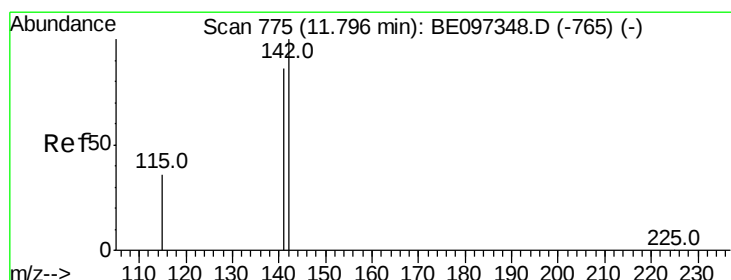
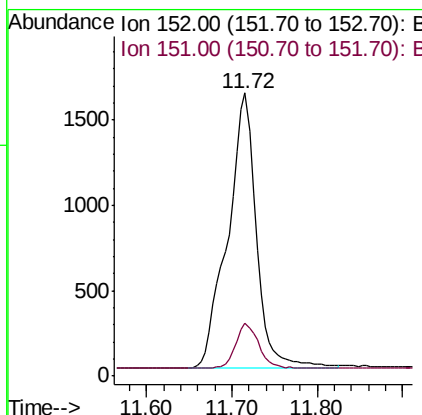
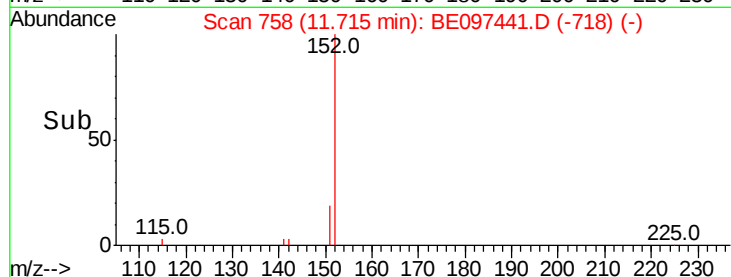
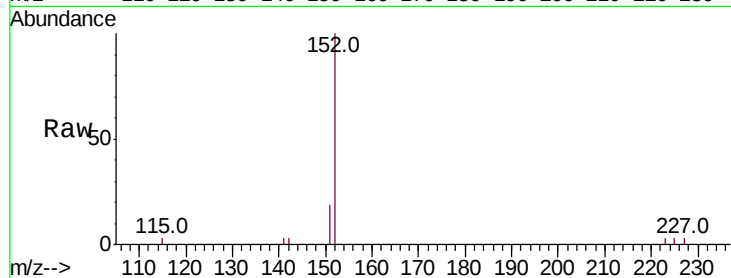
#11
2-Methylnaphthalene-d10
Concen: 0.558 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	13.0	15.4	23.0#

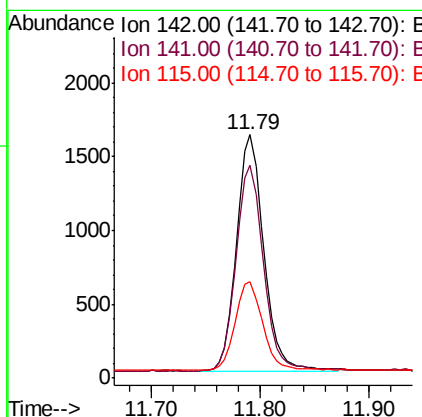
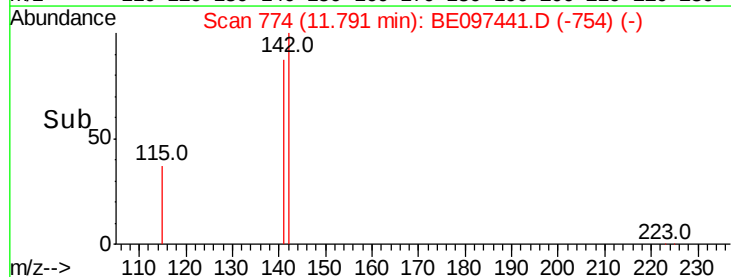
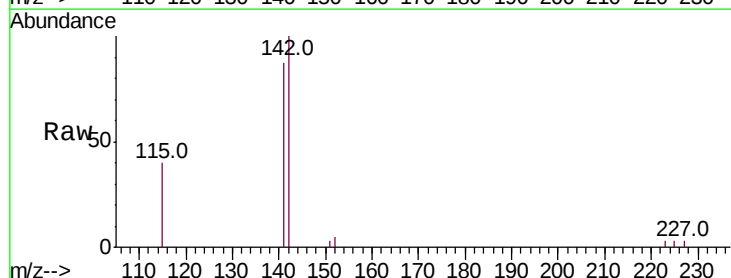
Manual Integrations
APPROVED

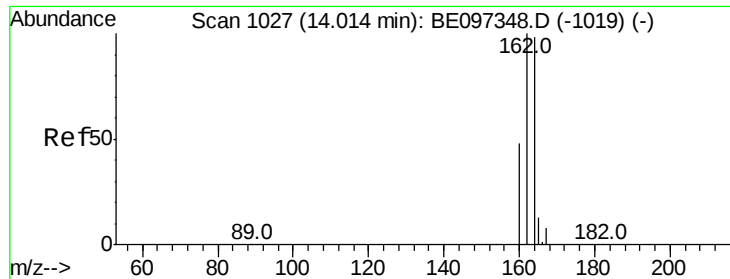
Sohil
9/11/2018 4:39:32 PM



#12
2-Methylnaphthalene
Concen: 0.392 ng
RT: 11.79 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.4	105.6
115	39.7	31.7	47.5





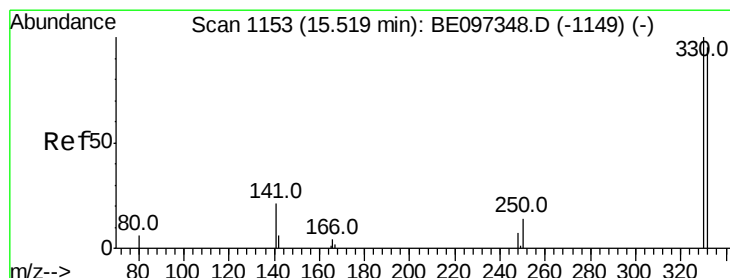
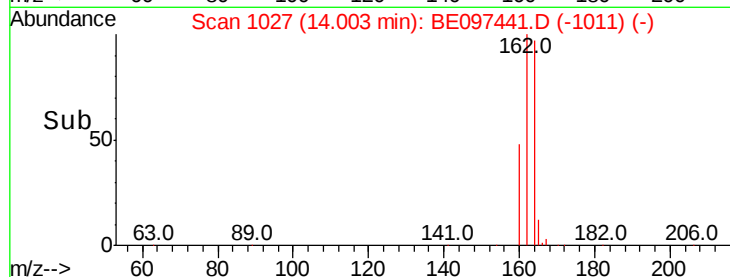
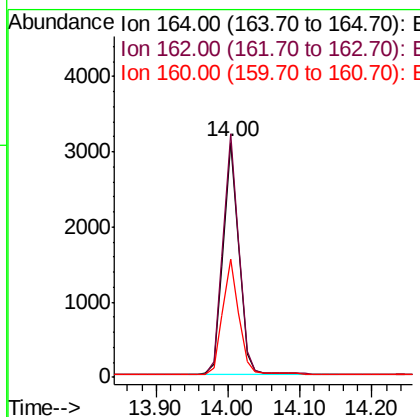
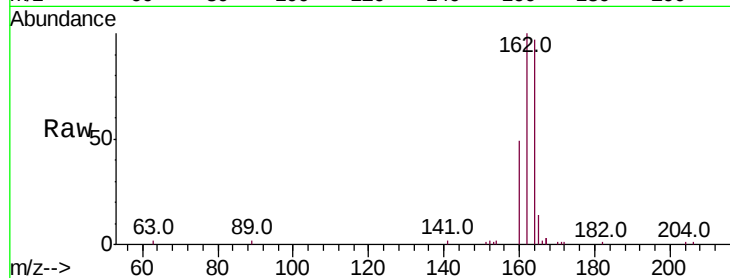
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.00 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.1	124.7
160	50.5	37.1	55.7

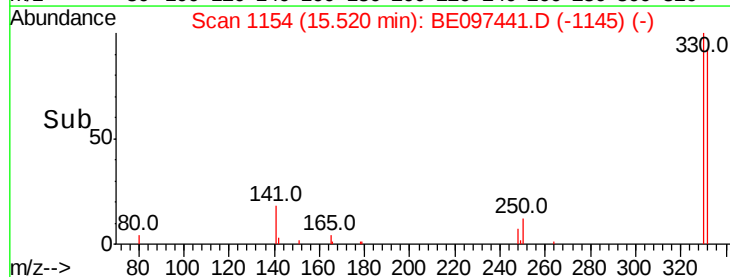
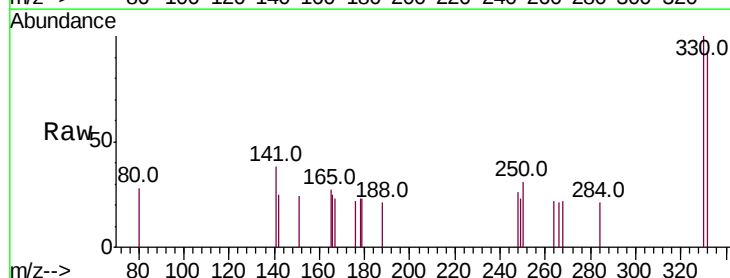
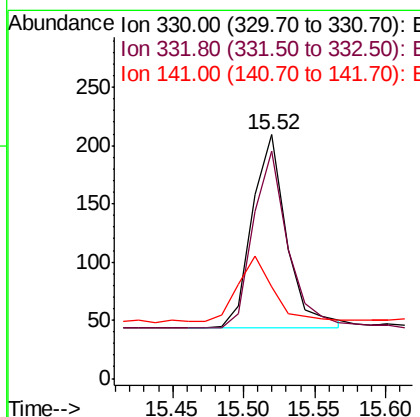
Manual Integrations
APPROVED

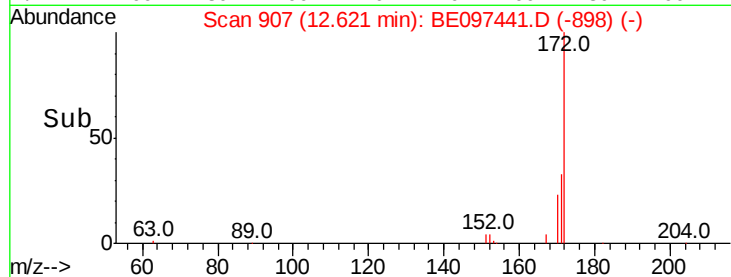
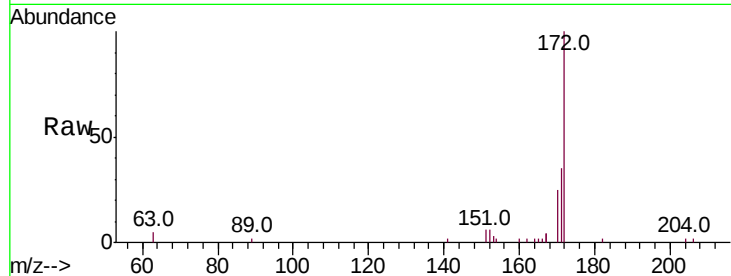
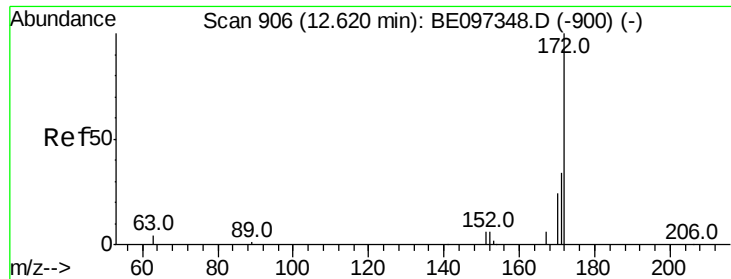
Sohil
9/11/2018 4:39:32 PM



#14
2,4,6-Tribromophenol
Concen: 0.357 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.6	152.7	229.1#
141	37.2	33.7	50.5





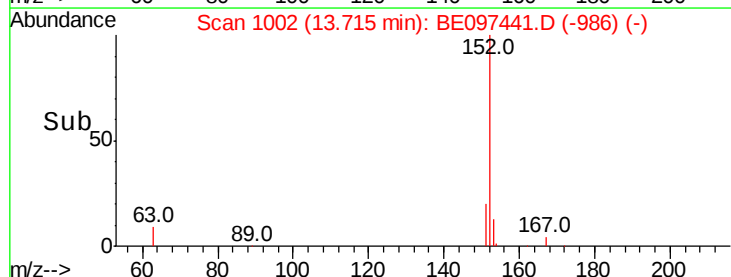
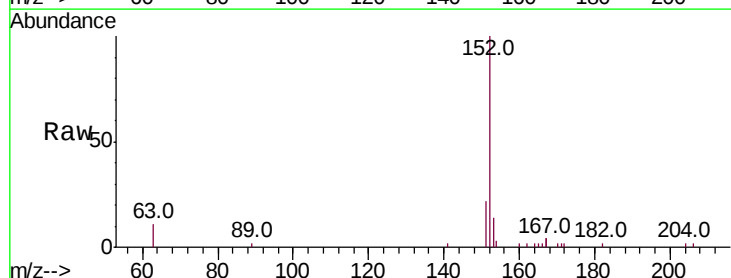
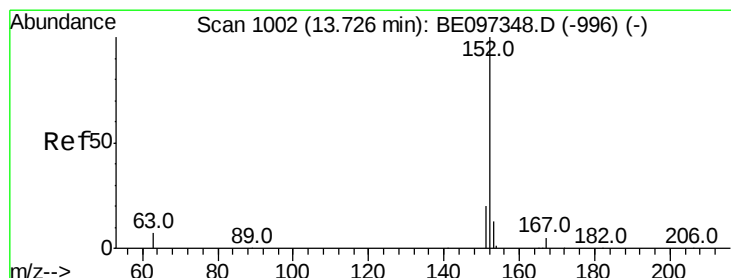
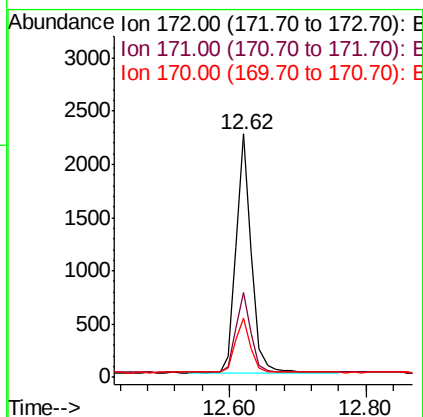
#15
2-Fluorobiphenyl
Concen: 0.410 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.9	44.9
170	24.5	21.8	32.8

Instrument :
BNA_E
ClientSampleId :
PB112668BS

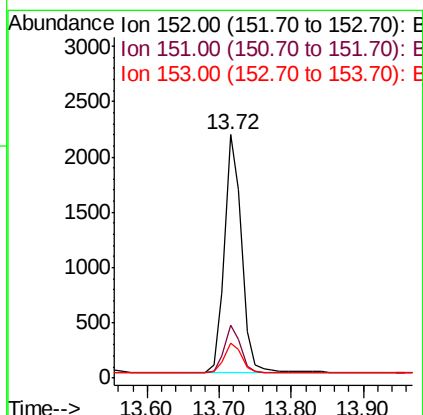
Manual Integrations
APPROVED

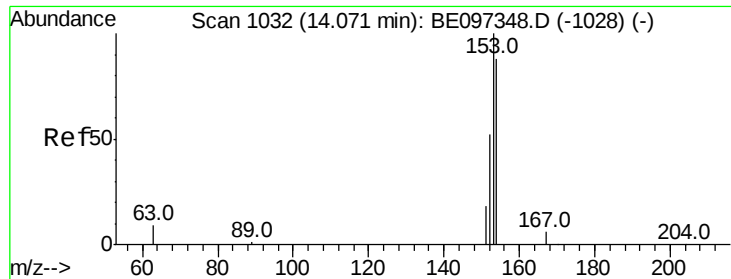
Sohil
9/11/2018 4:39:32 PM



#16
Acenaphthylene
Concen: 0.385 ng
RT: 13.72 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.7	23.5
153	13.2	10.5	15.7





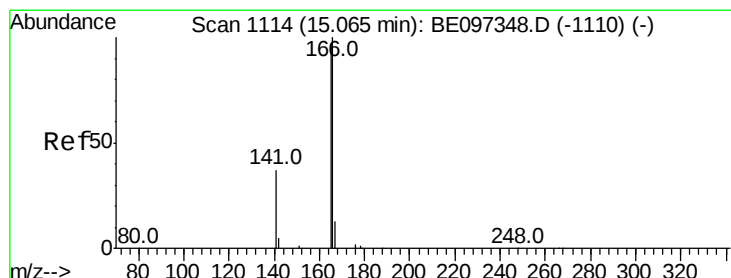
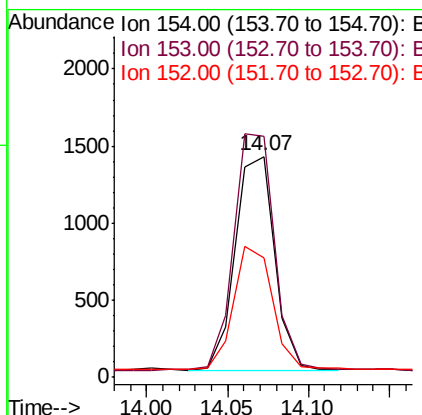
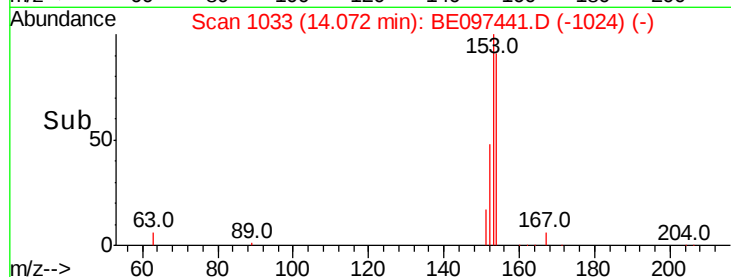
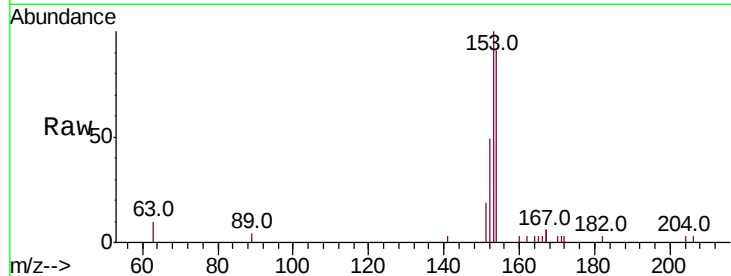
#17
Acenaphthene
Concen: 0.378 ng
RT: 14.07 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.3	89.2	133.8
152	56.8	42.0	63.0

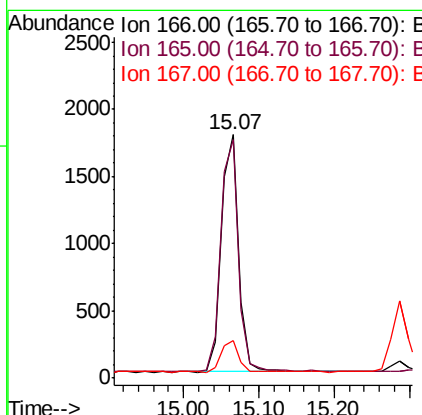
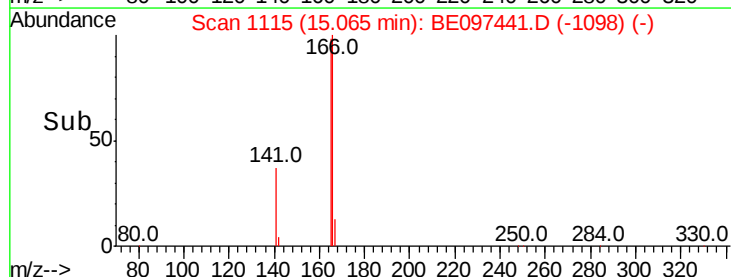
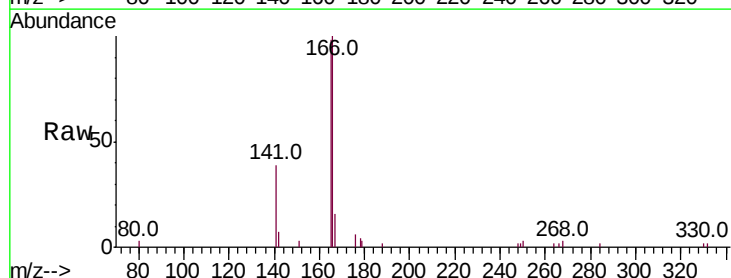
Manual Integrations
APPROVED

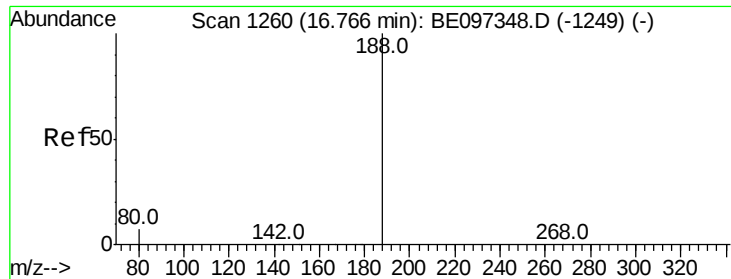
Sohil
9/11/2018 4:39:32 PM



#18
Fluorene
Concen: 0.366 ng
RT: 15.07 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	77.8	116.6
167	13.7	42.4	63.6#





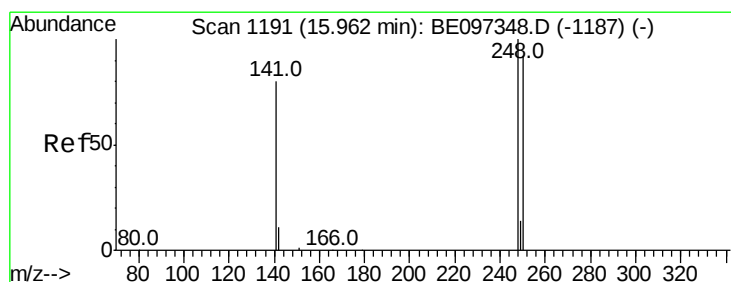
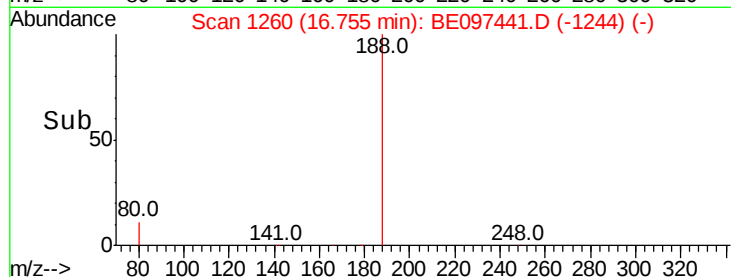
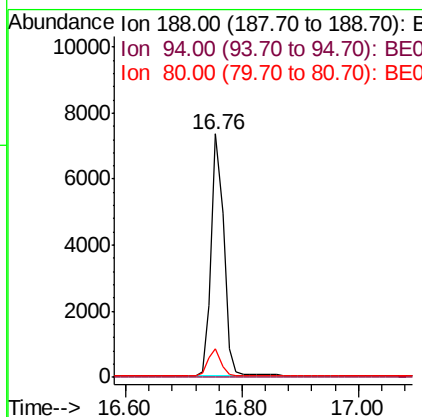
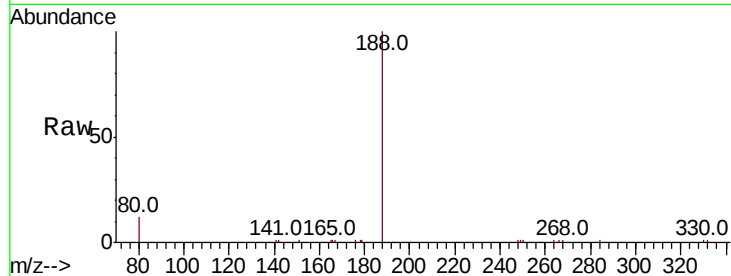
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 16.76 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	3.9	5.9#
80	11.7	3.6	5.4#

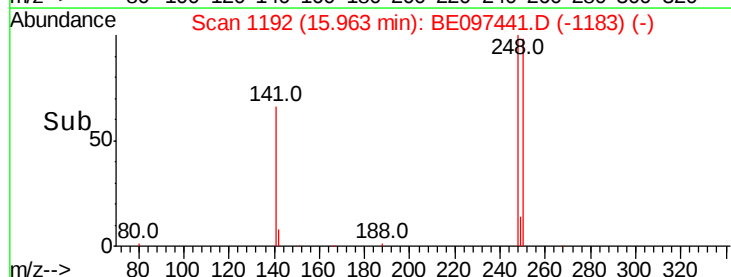
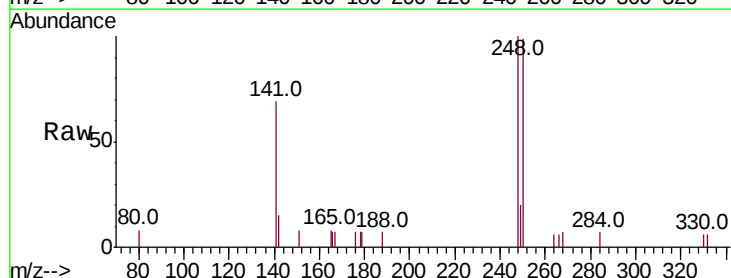
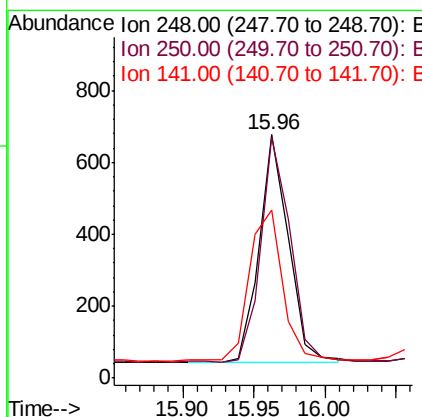
Manual Integrations
APPROVED

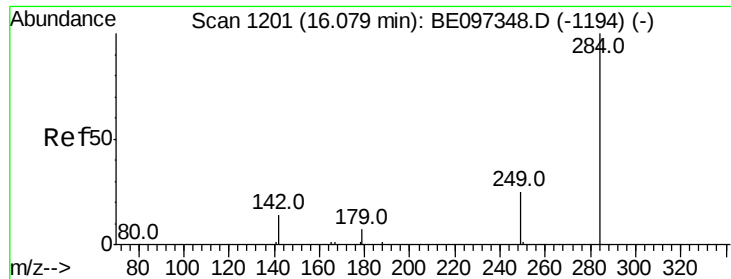
Sohil
9/11/2018 4:39:32 PM



#20
4-Bromophenyl-phenylether
Concen: 0.361 ng
RT: 15.96 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
248	100		
250	99.0	62.7	94.1#
141	69.0	48.2	72.2





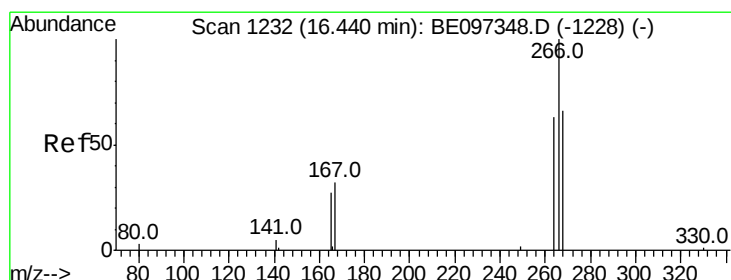
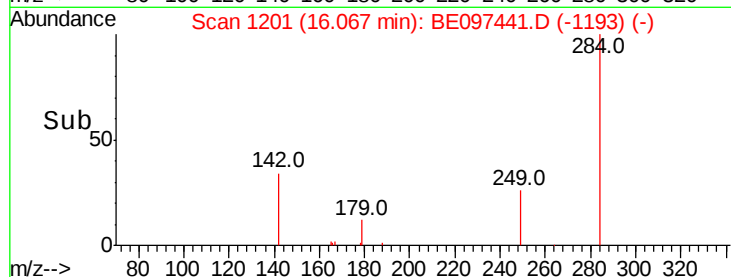
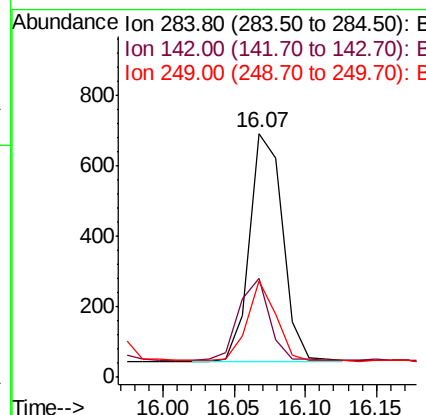
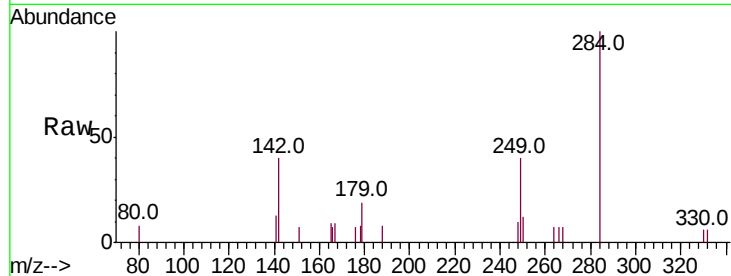
#21
Hexachlorobenzene
Concen: 0.378 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	33.0	22.1	33.1
249	30.4	34.8	52.2#

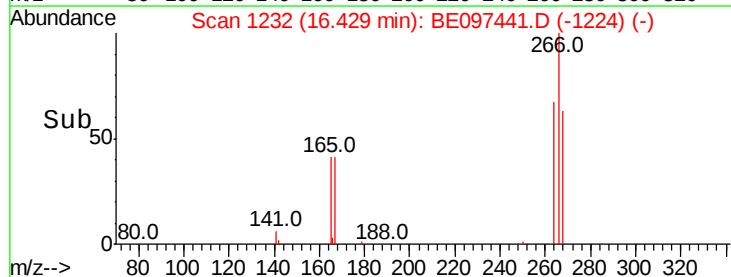
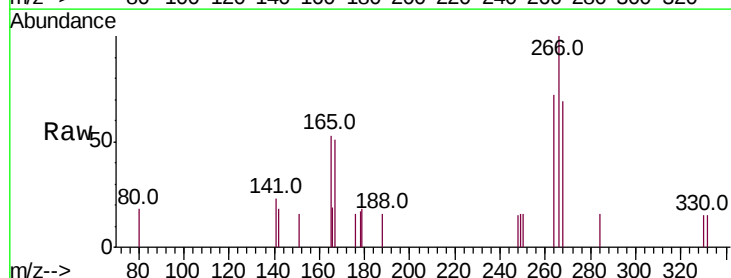
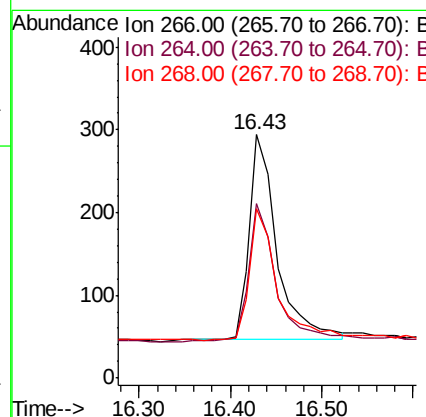
Manual Integrations
APPROVED

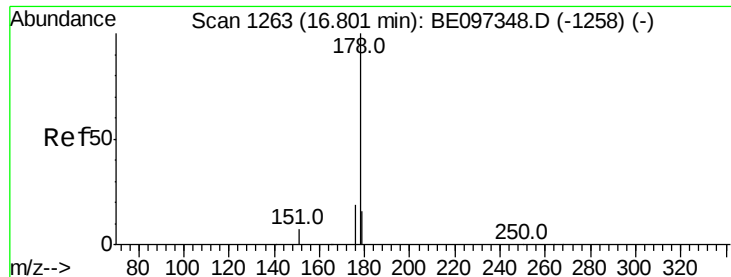
Sohil
9/11/2018 4:39:32 PM



#22
Pentachlorophenol
Concen: 0.892 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
266	100		
264	71.8	72.5	108.7#
268	69.4	73.8	110.6#





#23

Phenanthrene

Concen: 0.389 ng

RT: 16.80 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

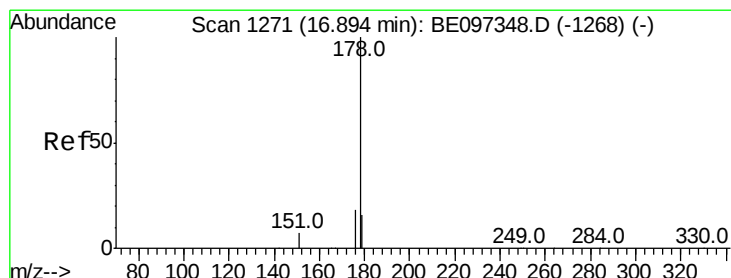
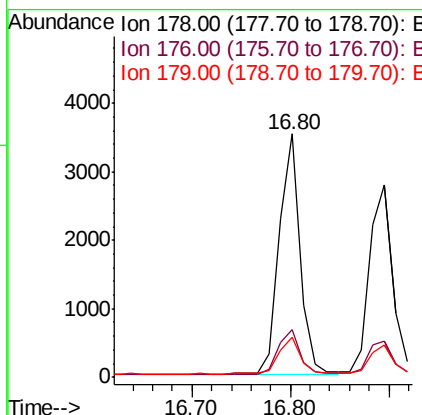
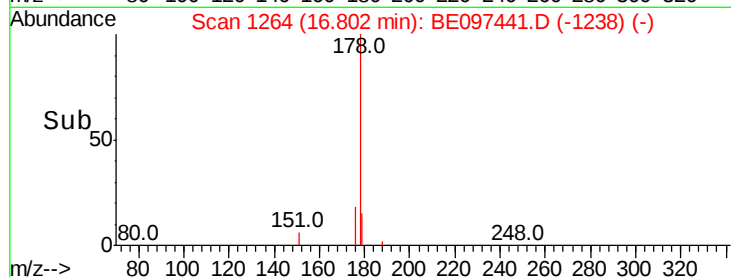
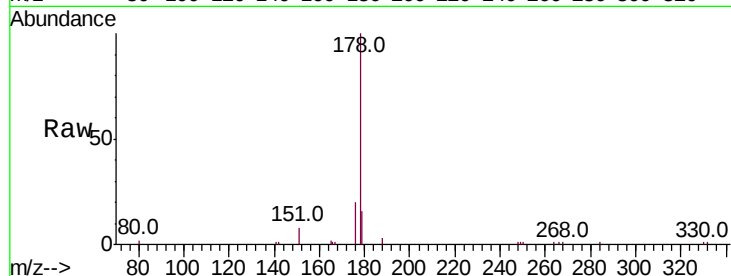
ClientSampleId :

PB112668BS

Tot Ion:	178	Resp:	5101
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.1	22.7
179	15.5	11.8	17.6

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM



#24

Anthracene

Concen: 0.400 ng

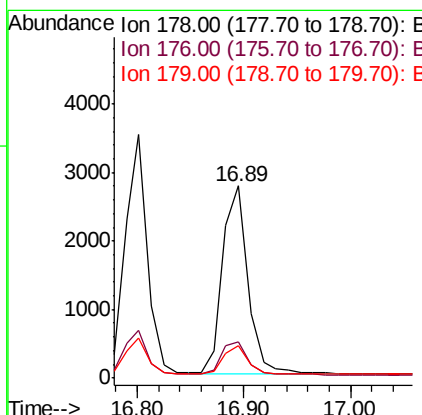
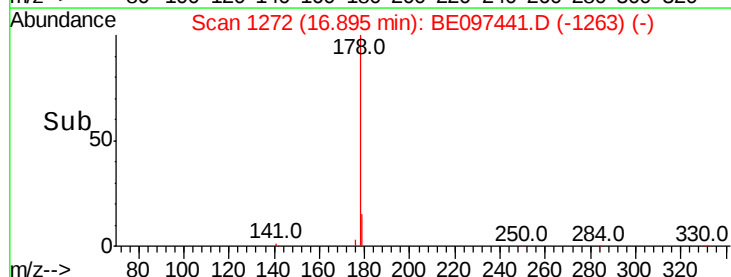
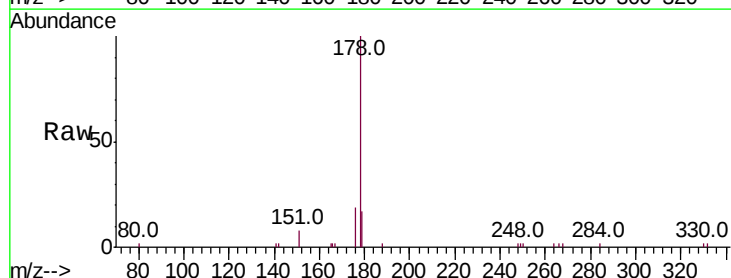
RT: 16.89 min Scan# 1272

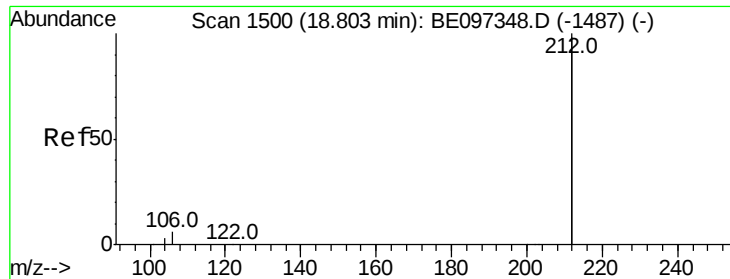
Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Tgt Ion:	178	Resp:	4468
Ion Ratio	Lower	Upper	
178	100		
176	18.5	12.8	19.2
179	15.0	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.369 ng

RT: 18.80 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

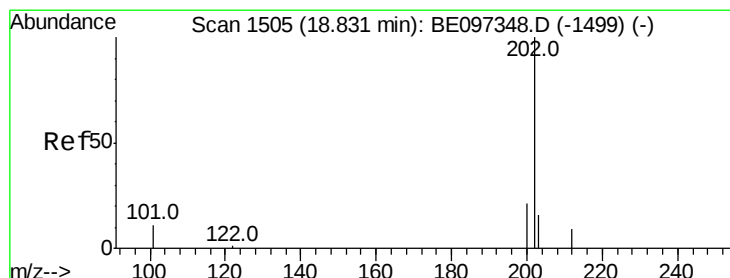
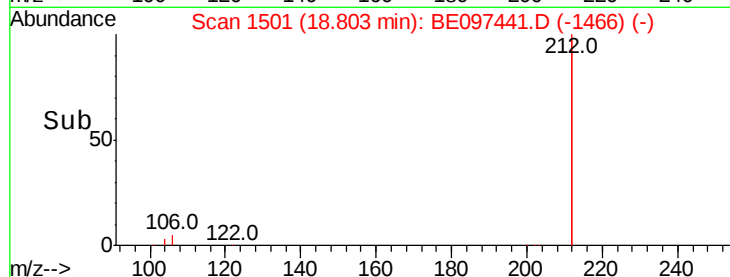
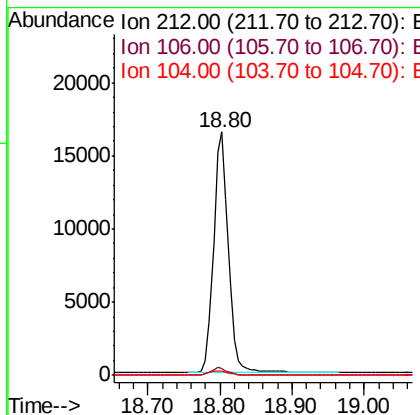
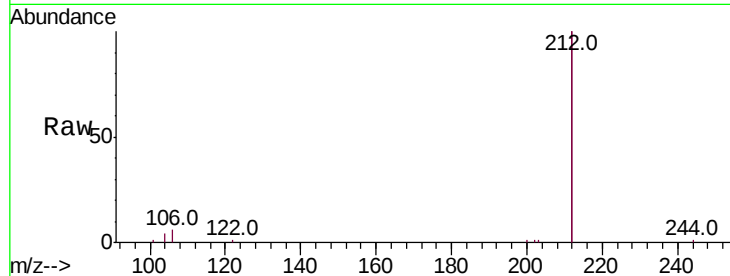
ClientSampleId :

PB112668BS

Tot Ion:	212	Resp:	23361
Ion Ratio	Lower	Upper	
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM



#26

Fluoranthene

Concen: 0.364 ng

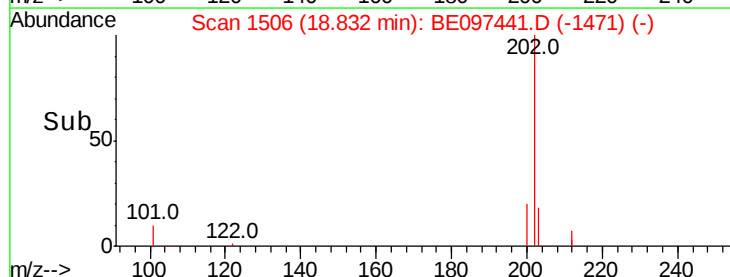
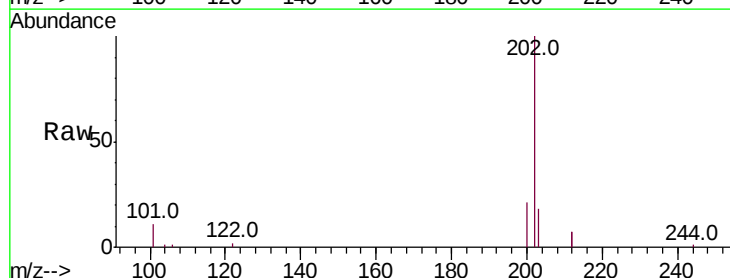
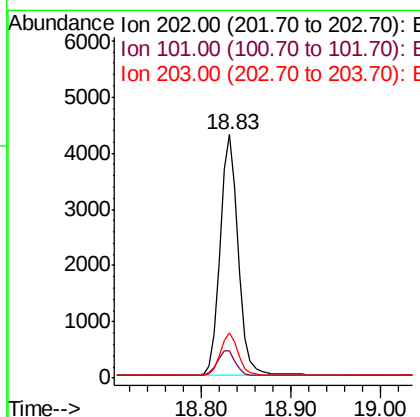
RT: 18.83 min Scan# 1506

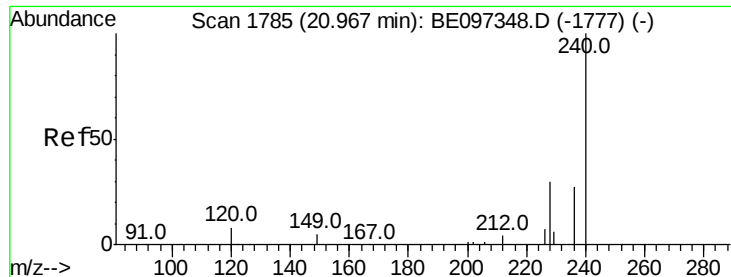
Delta R.T. 0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Tgt Ion:	202	Resp:	5984
Ion Ratio	Lower	Upper	
202	100		
101	10.6	9.8	14.8
203	17.2	13.7	20.5





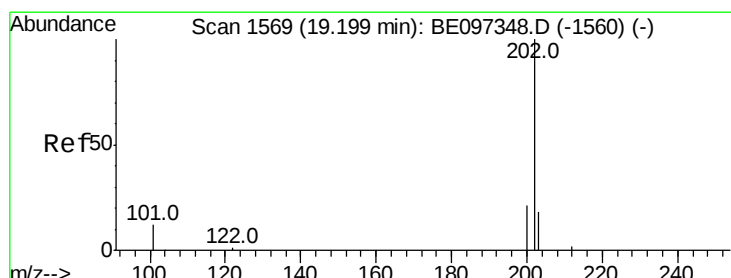
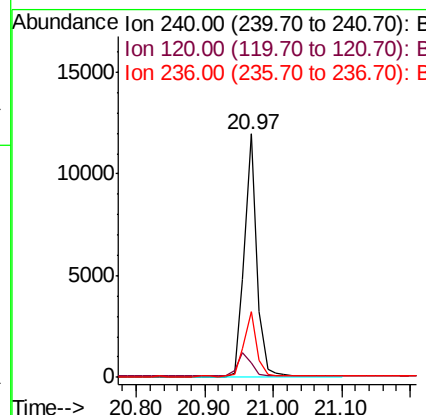
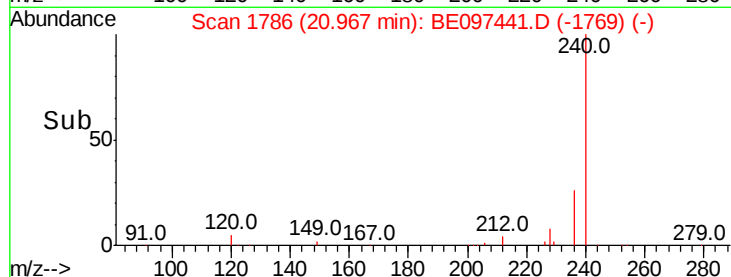
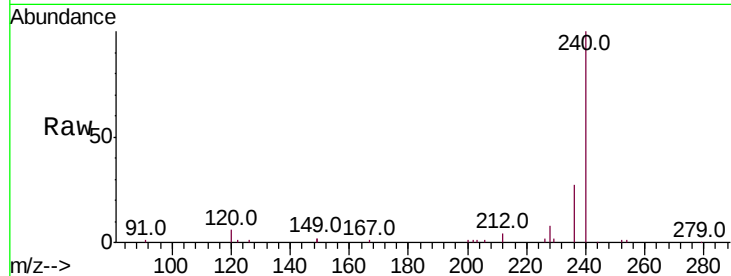
#27
 Chrysene-d12
 Concen: 0.800 ng
 RT: 20.97 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Instrument :
 BNA_E
 ClientSampleId :
 PB112668BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.5	8.3
236	26.8	20.7	31.1

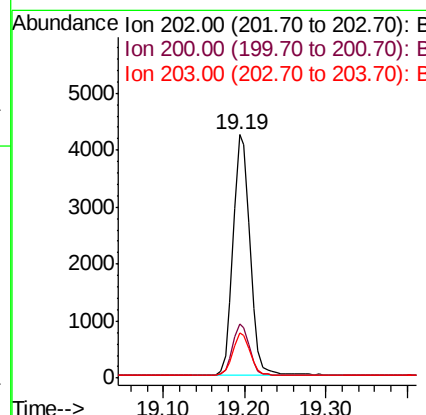
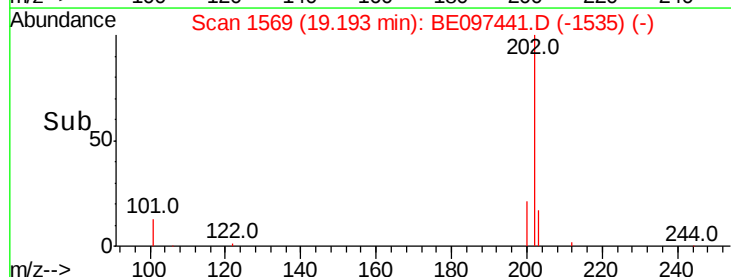
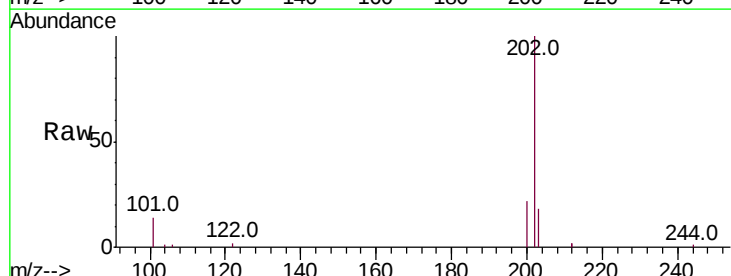
Manual Integrations
 APPROVED

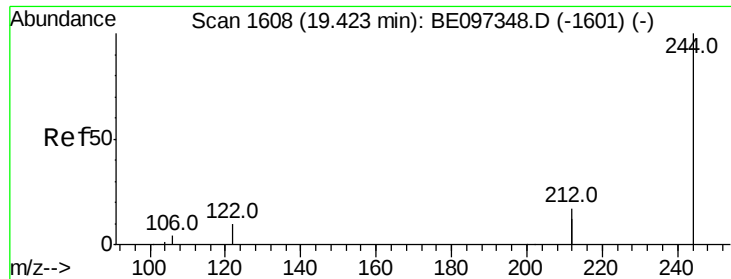
Sohil
 9/11/2018 4:39:32 PM



#28
 Pyrene
 Concen: 0.341 ng
 RT: 19.19 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	18.0	13.8	20.8





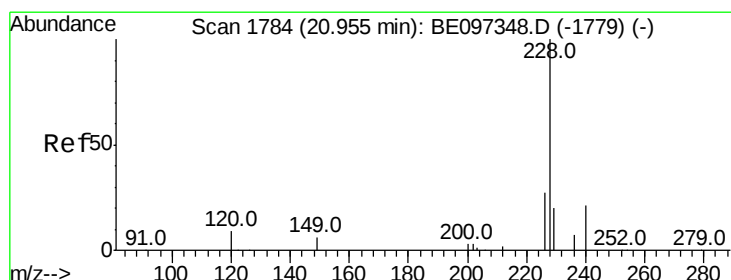
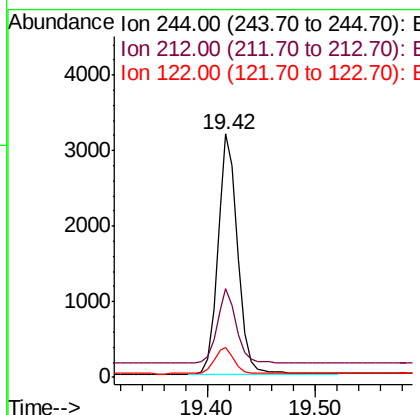
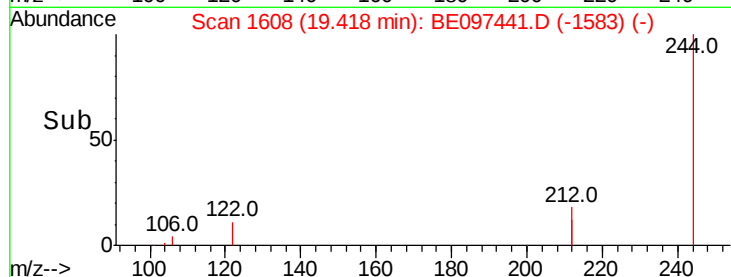
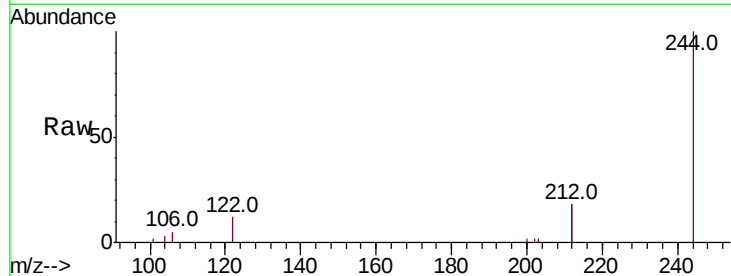
#29
 Terphenyl-d14
 Concen: 0.290 ng
 RT: 19.42 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Instrument :
 BNA_E
 ClientSampleId :
 PB112668BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	36.4	25.4	38.0
122	12.2	8.1	12.1

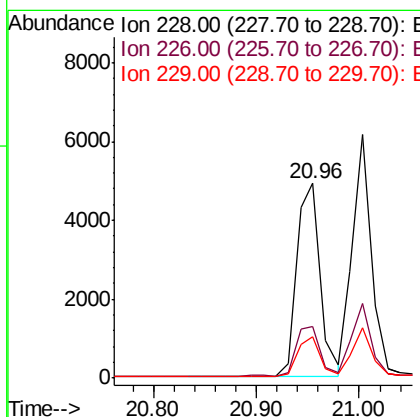
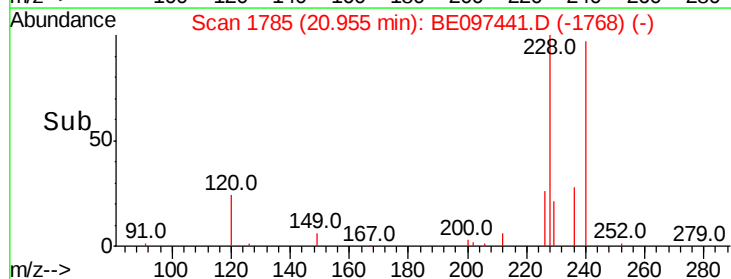
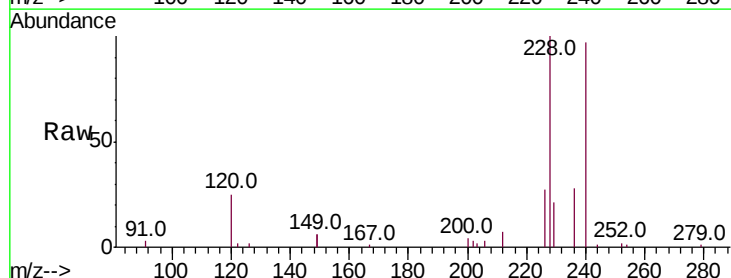
Manual Integrations
 APPROVED

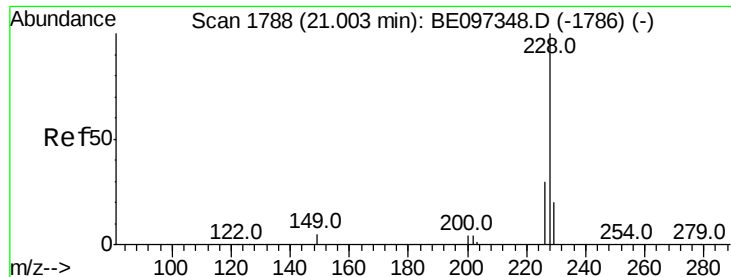
Sohil
 9/11/2018 4:39:32 PM



#30
 Benzo(a)anthracene
 Concen: 0.408 ng
 RT: 20.96 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	24.0	36.0
229	21.4	16.0	24.0





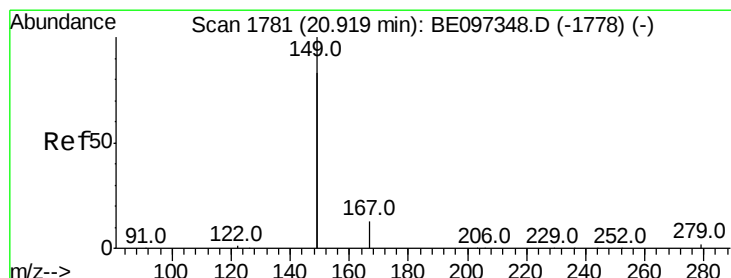
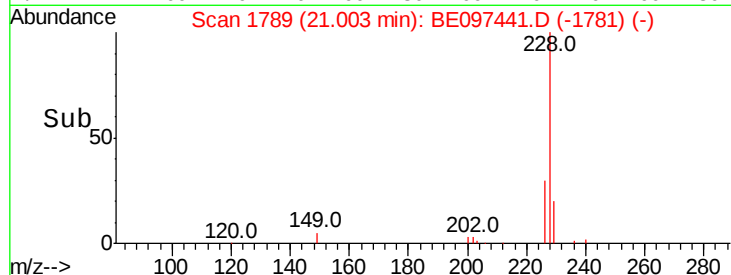
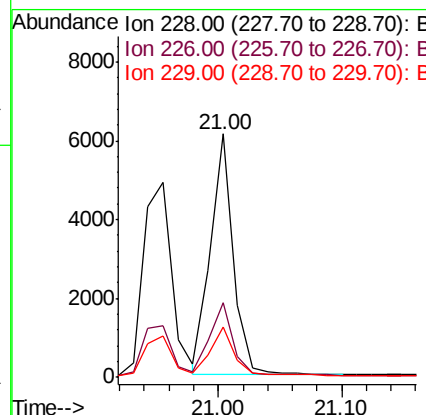
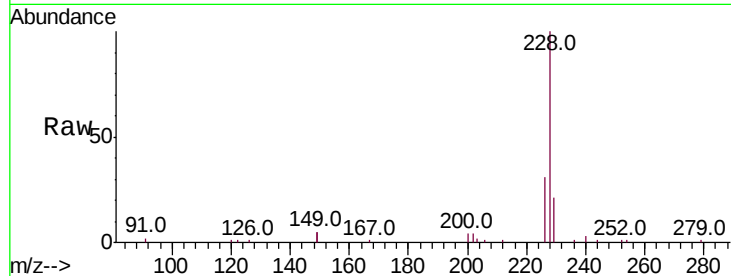
#31
 Chrysene
 Concen: 0.380 ng
 RT: 21.00 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Instrument :
 BNA_E
 ClientSampleId :
 PB112668BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.6	16.0	24.0

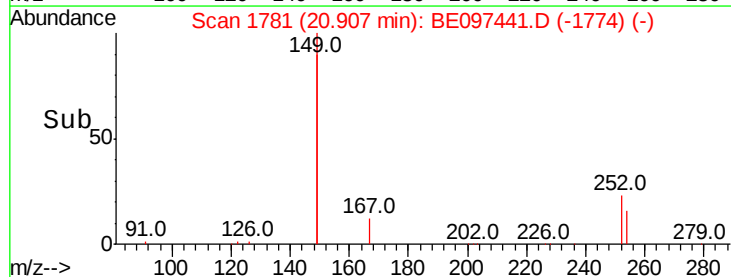
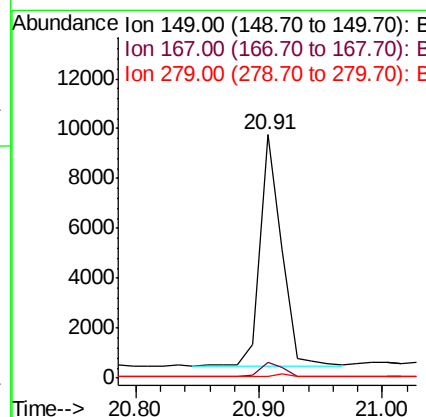
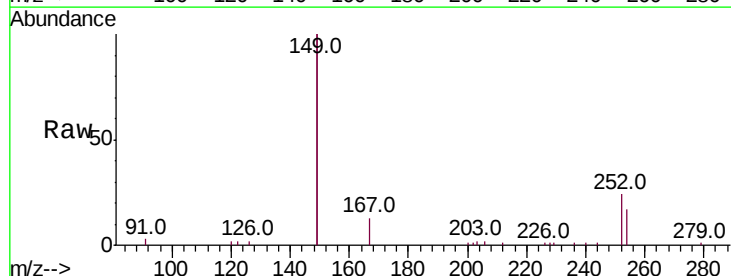
Manual Integrations
 APPROVED

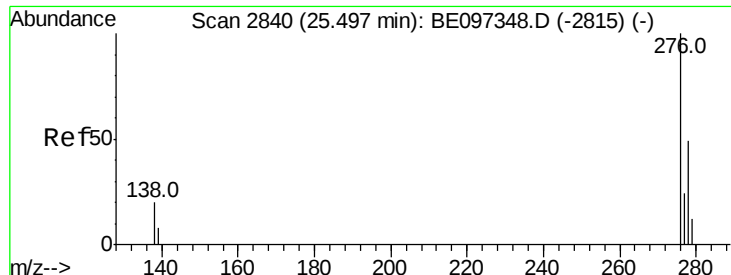
Sohil
 9/11/2018 4:39:32 PM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.583 ng
 RT: 20.91 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BE097441.D
 Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.0	0.7	1.1





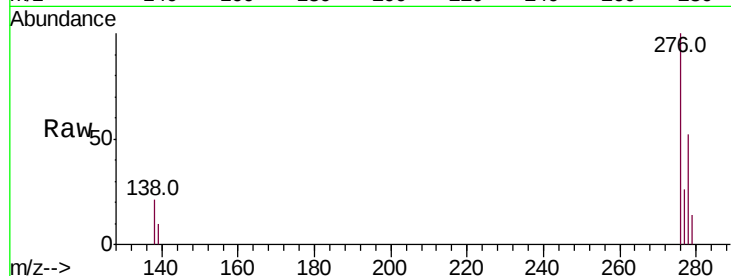
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.305 ng
RT: 25.49 min Scan# 2840
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	22.5	33.7#
277	24.9	19.9	29.9

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM

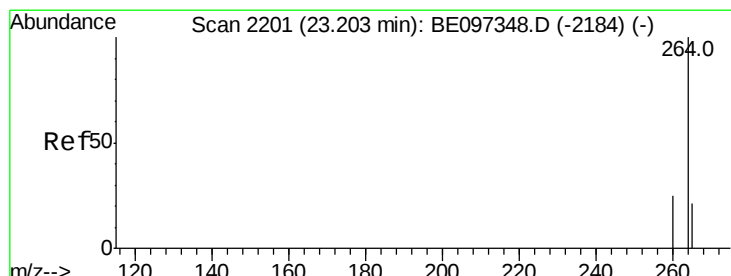
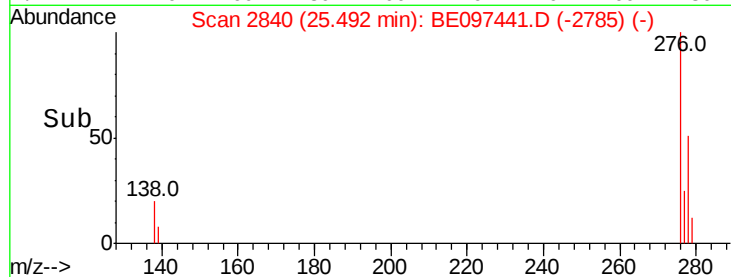
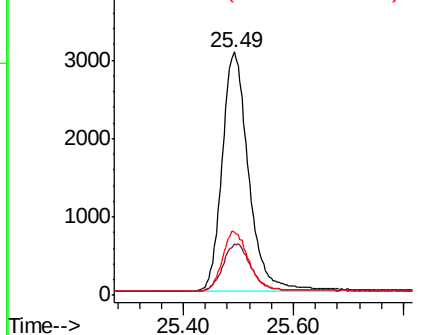


Abundance

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
Perylene-d12
Concen: 0.800 ng
RT: 23.20 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

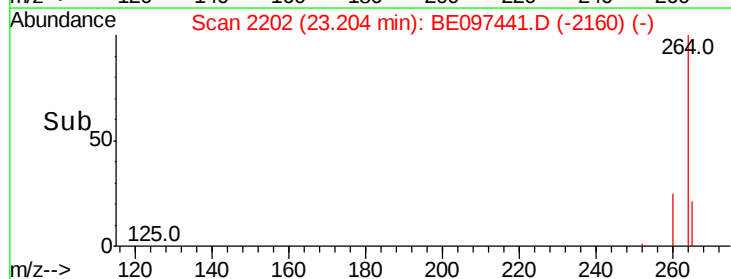
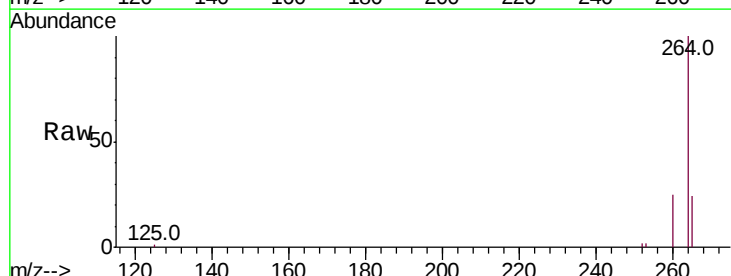
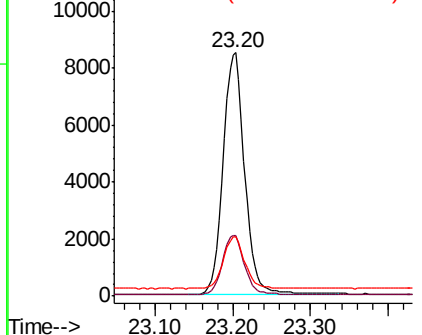
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.5	30.7
265	24.3	22.8	34.2

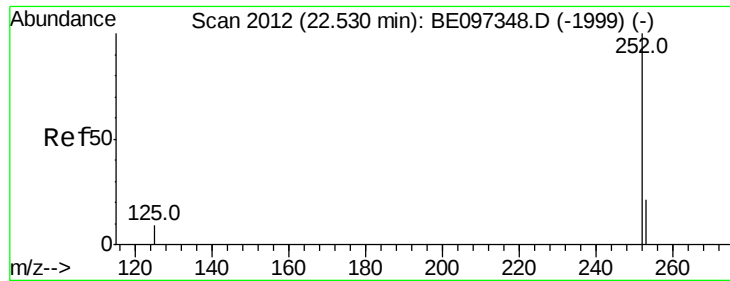
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





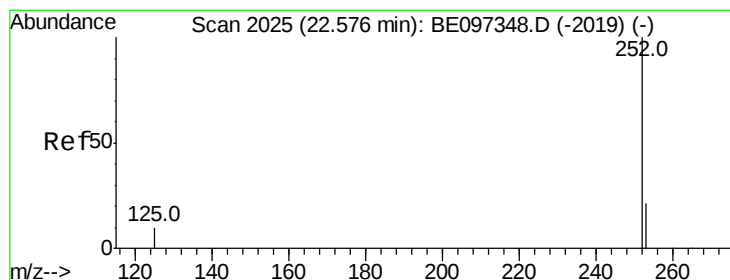
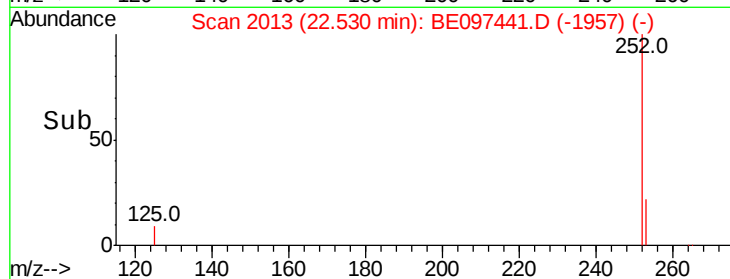
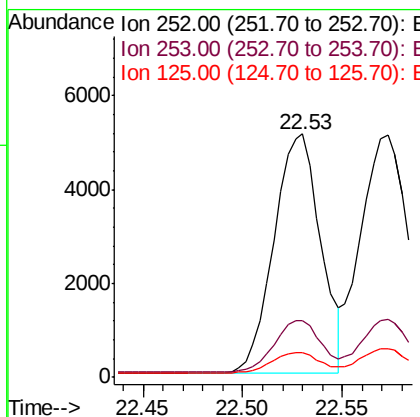
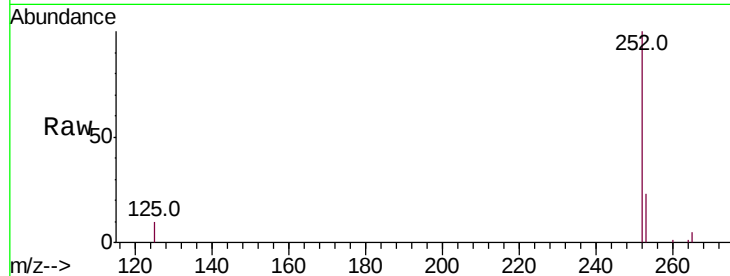
#35
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 22.53 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.0	30.0
125	10.3	16.0	24.0

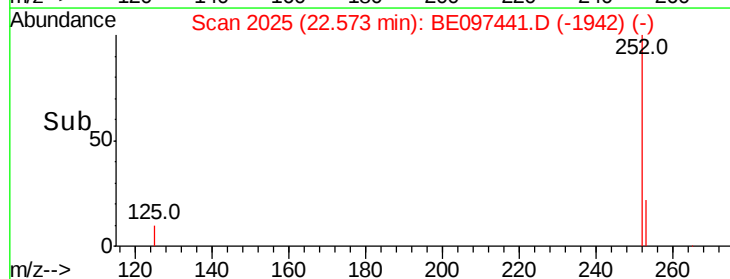
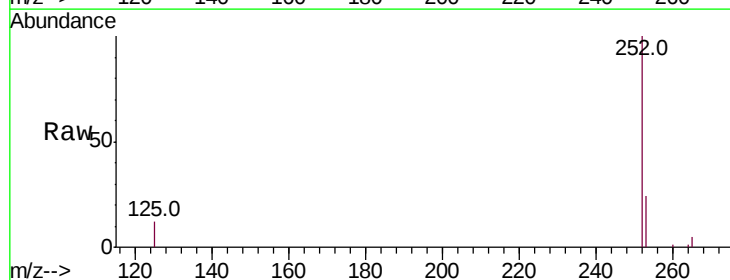
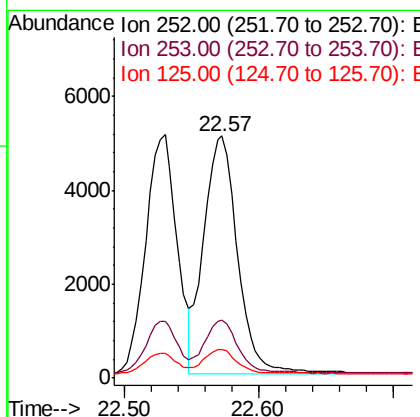
Manual Integrations
APPROVED

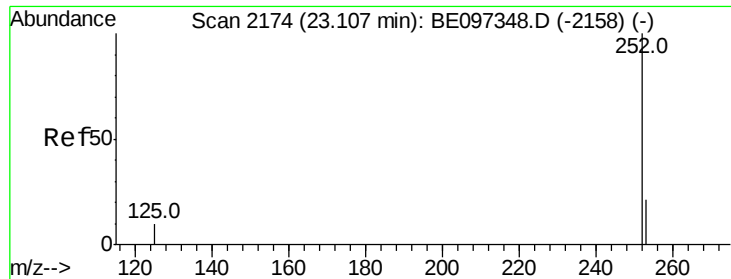
Sohil
9/11/2018 4:39:32 PM



#36
Benzo(k)fluoranthene
Concen: 0.392 ng m
RT: 22.57 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	16.0	24.0
125	11.6	8.0	12.0





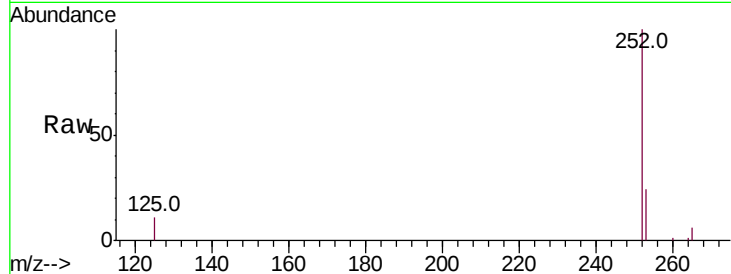
#37
Benzo(a)pyrene
Concen: 0.384 ng
RT: 23.10 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Instrument :
BNA_E
ClientSampleId :
PB112668BS

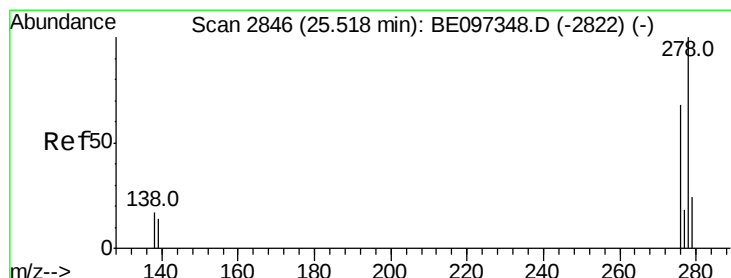
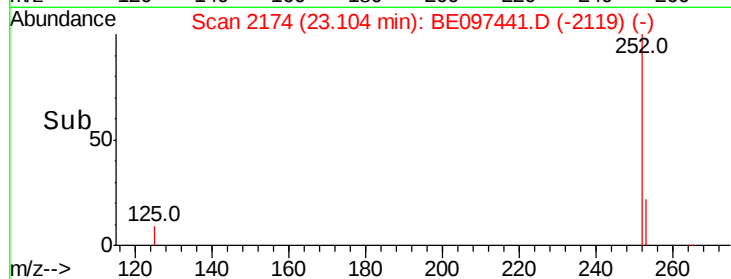
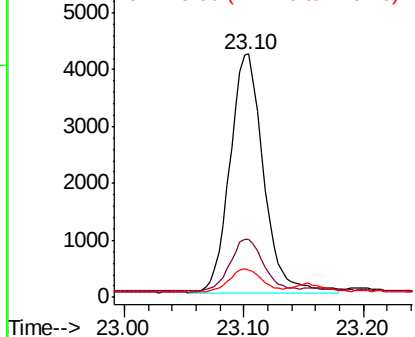
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	11.2	12.0	18.0

Manual Integrations
APPROVED

Sohil
9/11/2018 4:39:32 PM



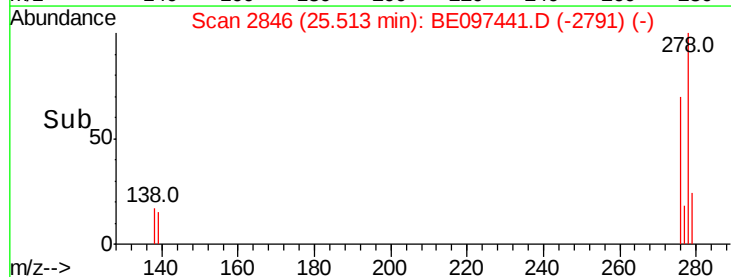
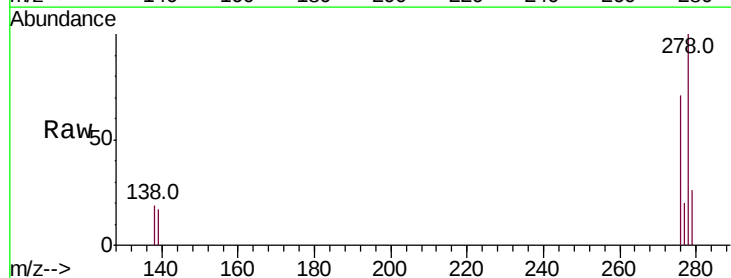
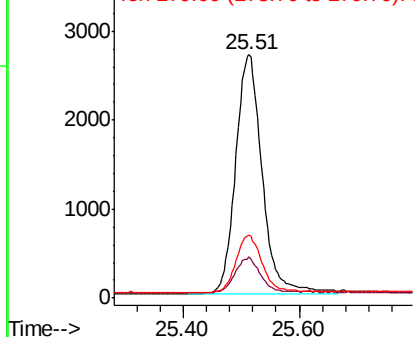
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

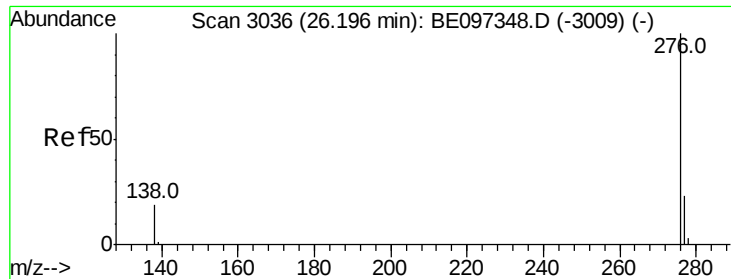


#38
Dibenzo(a,h)anthracene
Concen: 0.297 ng
RT: 25.51 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BE097441.D
Acq: 10 Sep 2018 9:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	16.0	24.0
279	25.9	20.0	30.0

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.267 ng

RT: 26.19 min Scan# 3037

Delta R.T. -0.00 min

Lab File: BE097441.D

Acq: 10 Sep 2018 9:32

Instrument :

BNA_E

ClientSampleId :

PB112668BS

Tot Ion: 276 Resp: 8522

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 19.2 20.0 30.0#

Manual Integrations
APPROVED

Sohil

9/11/2018 4:39:32 PM

