

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031819\
 Data File : BE098999.D
 Acq On : 18 Mar 2019 14:01
 Operator : JU/SJ
 Sample : PB117987BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117987BS

Manual Integrations
 APPROVED

Sohil
 3/19/2019 5:25:39 PM

Quant Time: Mar 19 06:37:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 15 05:31:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	790	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3715	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2510	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6051	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6406	0.40	ng	0.00
34) Perylene-d12	23.90	264	6193	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	706	0.30	ng	0.02
5) Phenol-d6	7.01	99	1175	0.35	ng	0.02
8) Nitrobenzene-d5	8.98	82	1741	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	2744	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	321	0.25	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	5662	0.54	ng	0.00
25) Fluoranthene-d10	19.24	212	31840	0.33	ng	0.00
29) Terphenyl-d14	19.84	244	18945	1.22	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	598	0.387	ng	96
3) n-Nitrosodimethylamine	3.69	42	439m	0.221	ng	
6) bis(2-Chloroethyl)ether	7.24	93	770	0.299	ng	# 85
9) Naphthalene	10.64	128	17263	0.406	ng	99
10) Hexachlorobutadiene	10.90	225	1094	0.389	ng	98
12) 2-Methylnaphthalene	12.27	142	2609	0.378	ng	100
16) Acenaphthylene	14.18	152	4888	0.379	ng	97
17) Acenaphthene	14.51	154	3021	0.394	ng	96
18) Fluorene	15.50	166	4125	0.374	ng	100
20) 4-Bromophenyl-phenylether	16.41	248	1399	0.427	ng	# 80
21) Hexachlorobenzene	16.52	284	1555	0.399	ng	99
22) Pentachlorophenol	16.92	266	47	0.300	ng	97
23) Phenanthrene	17.25	178	6531	0.380	ng	100
24) Anthracene	17.35	178	4682	0.318	ng	99
26) Fluoranthene	19.27	202	8342	0.344	ng	99
28) Pyrene	19.64	202	8530	0.435	ng	100
30) Benzo(a)anthracene	21.38	228	6963	0.348	ng	100
31) Chrysene	21.44	228	8302	0.388	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	12625	0.297	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	6693	0.296	ng	# 73
35) Benzo(b)fluoranthene	23.13	252	7678m	0.377	ng	
36) Benzo(k)fluoranthene	23.18	252	9133	0.428	ng	98
37) Benzo(a)pyrene	23.79	252	7688	0.394	ng	# 81
38) Dibenzo(a,h)anthracene	26.57	278	4268	0.231	ng	# 91
39) Benzo(g,h,i)perylene	27.35	276	6475	0.335	ng	96

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

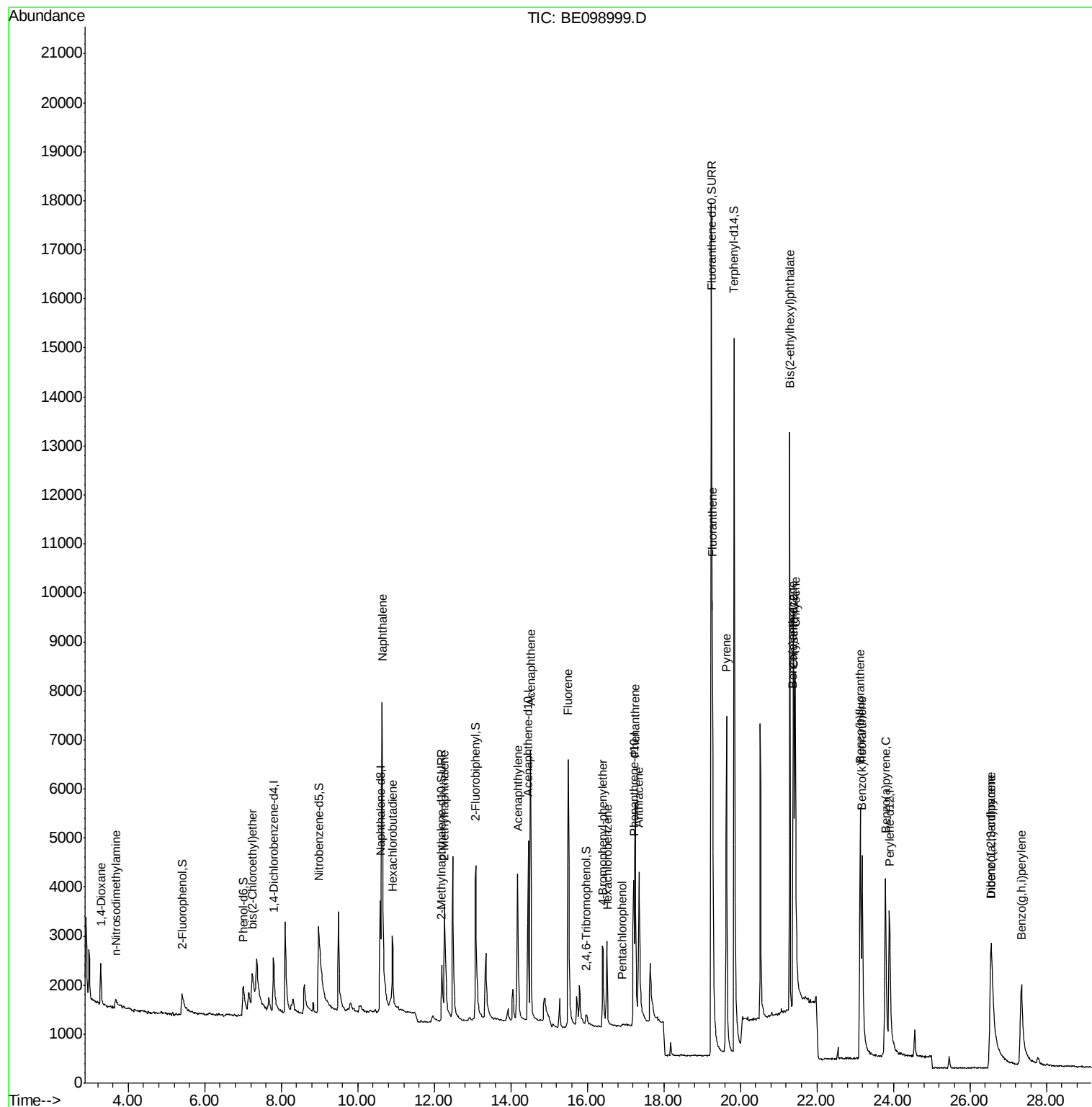
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031819\
Data File : BE098999.D
Acq On : 18 Mar 2019 14:01
Operator : JU/SJ
Sample : PB117987BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

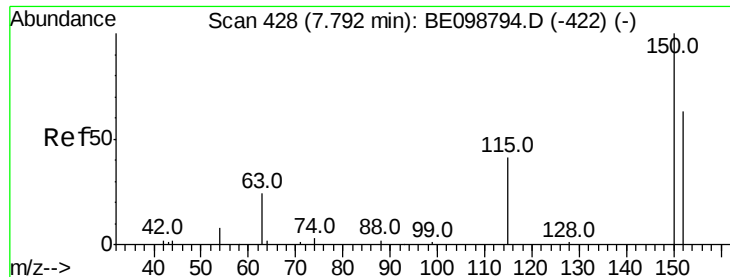
Instrument :
BNA_E
ClientSampleId :
PB117987BS

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM

Quant Time: Mar 19 06:37:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 15 05:31:33 2019
Response via : Initial Calibration





#1

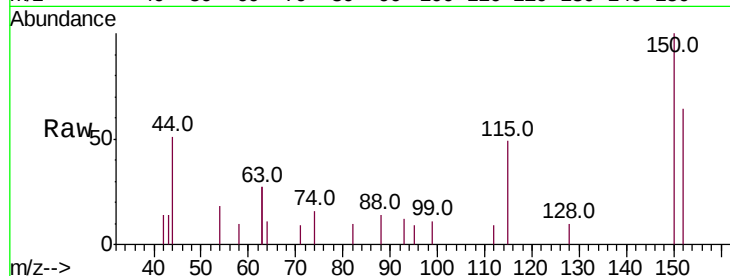
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

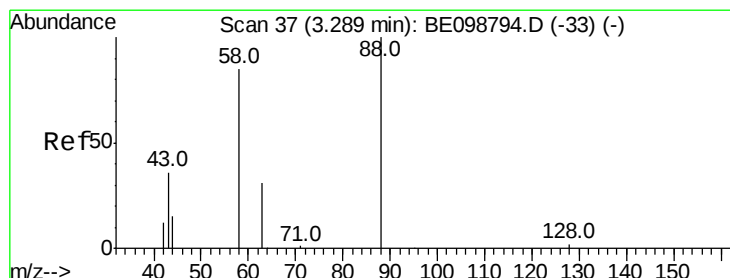
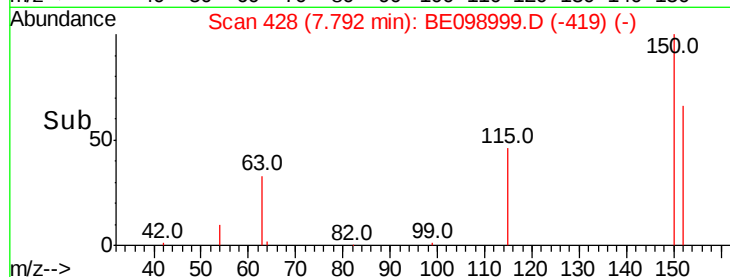
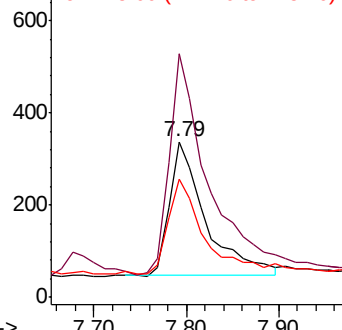
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	122.5	183.7
115	76.3	57.4	86.2

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



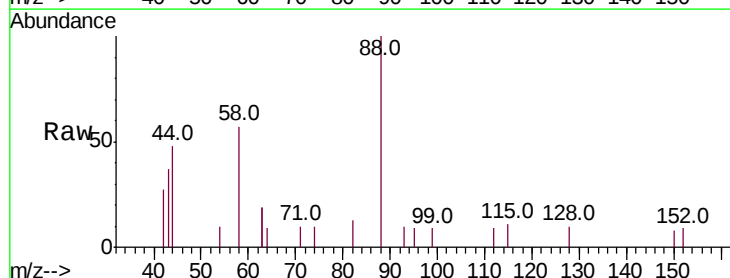
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



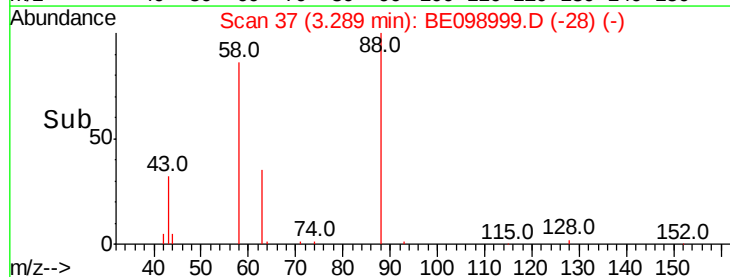
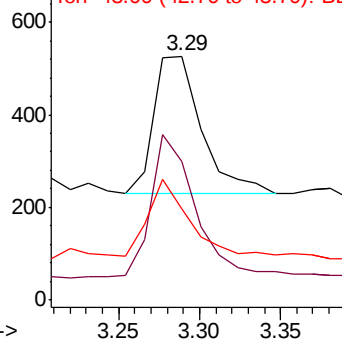
#2

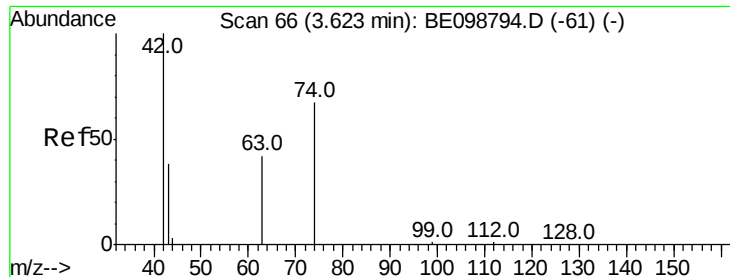
1,4-Dioxane
Concen: 0.387 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.2	75.8	113.6
43	49.2	41.8	62.8



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: 0.221 ng/ml

RT: 3.69 min Scan# 72

Delta R.T. 0.07 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

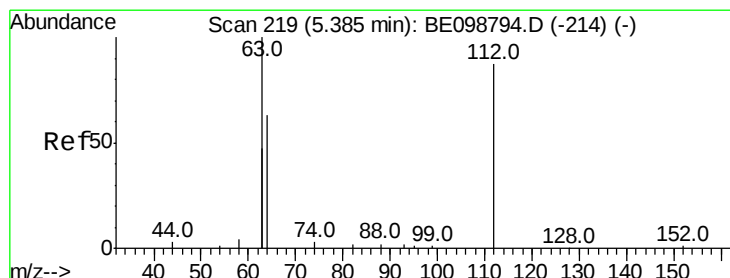
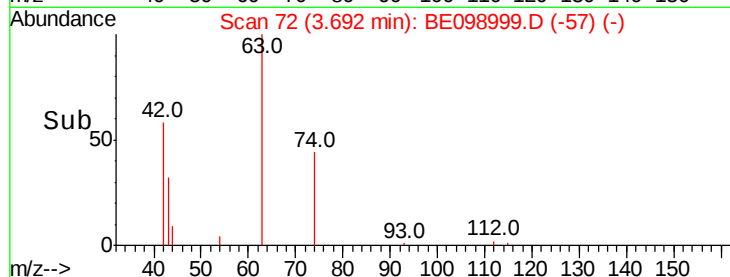
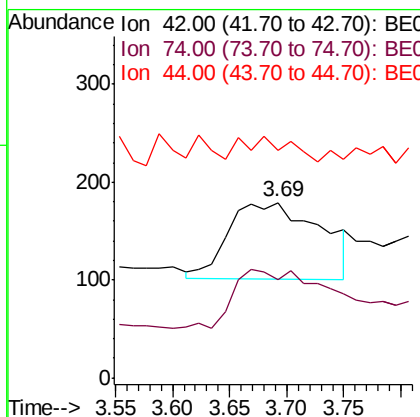
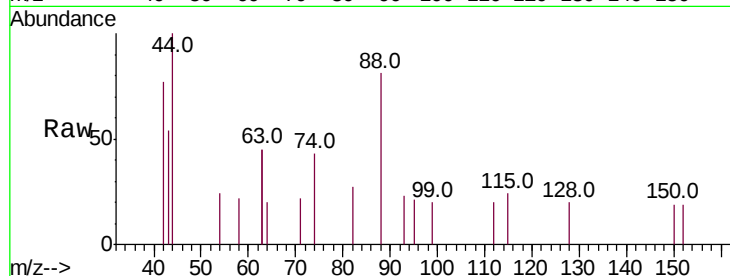
ClientSampleID :

PB117987BS

Tot Ion:	42	Resp:	439
Ion Ratio	Lower	Upper	
42	100		
74	29.8	57.0	85.4#
44	0.0	0.0	0.0

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



#4

2-Fluorophenol

Concen: 0.299 ng/ml

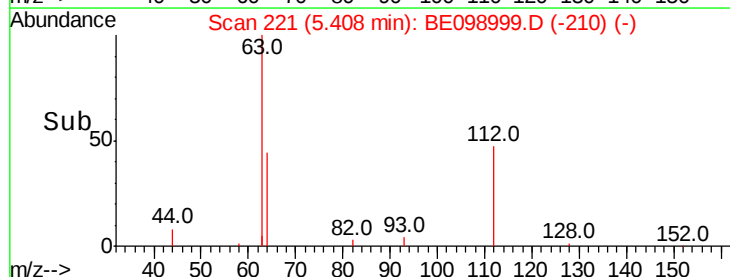
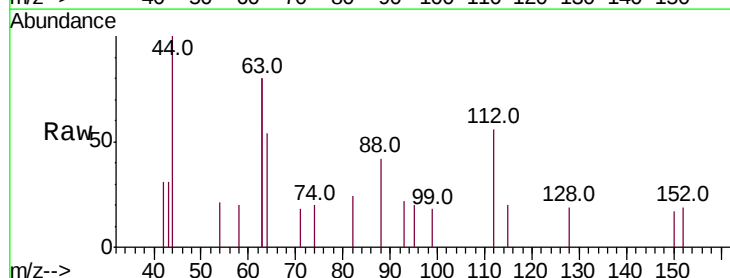
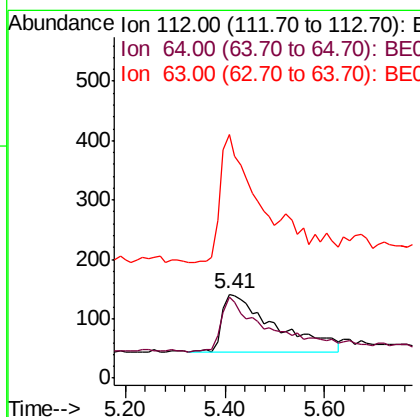
RT: 5.41 min Scan# 221

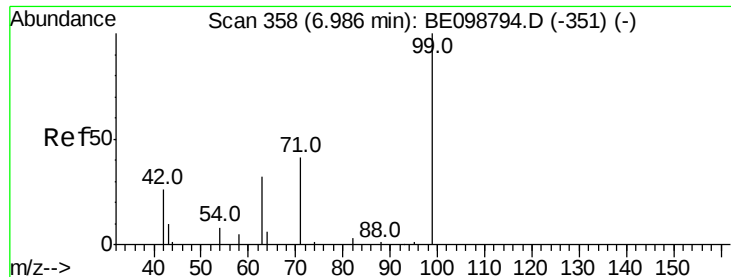
Delta R.T. 0.02 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	112	Resp:	706
Ion Ratio	Lower	Upper	
112	100		
64	86.8	57.9	86.9
63	140.2	158.3	237.5#





#5

Phenol-d6

Concen: 0.352 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

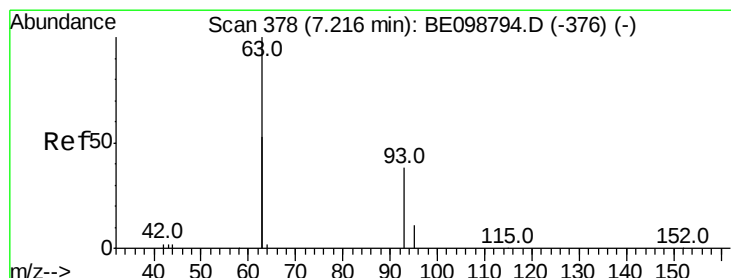
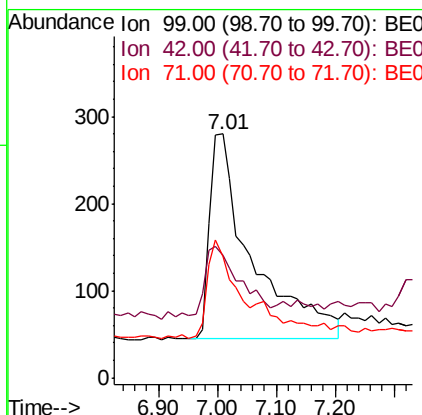
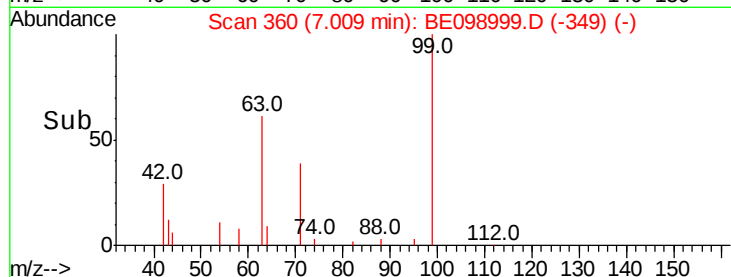
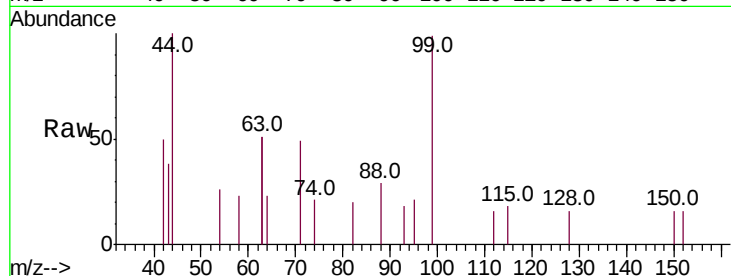
ClientSampled :

PB117987BS

Tot Ion:	99	Resp:	1175
Ion	Ratio	Lower	Upper
99	100		
42	31.9	24.2	36.2
71	48.7	35.7	53.5

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.299 ng

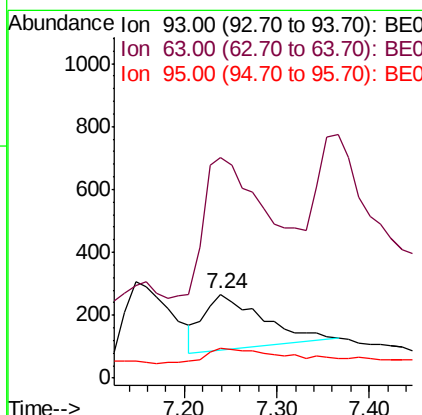
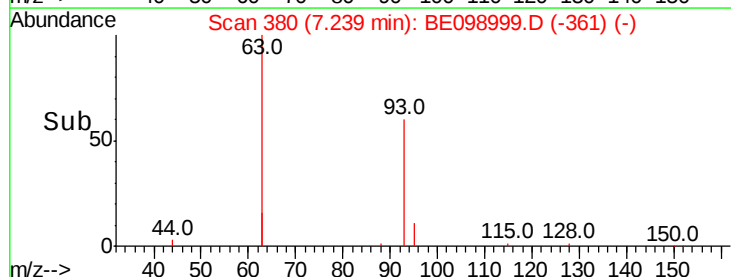
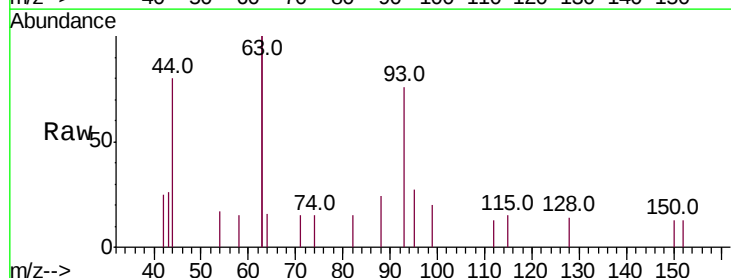
RT: 7.24 min Scan# 380

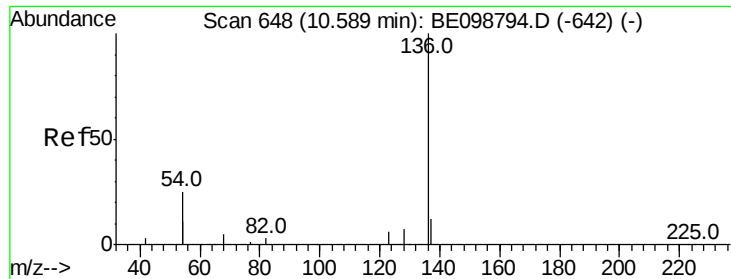
Delta R.T. 0.02 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	93	Resp:	770
Ion	Ratio	Lower	Upper
93	100		
63	280.5	247.5	371.3
95	35.8	21.8	32.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

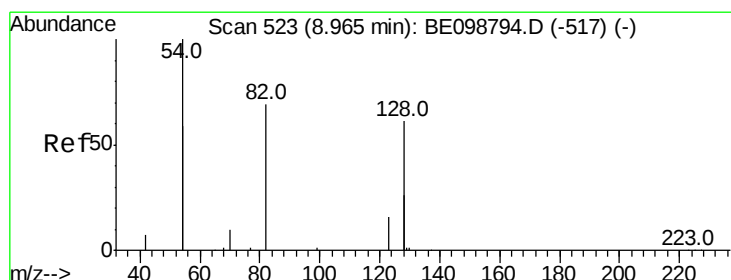
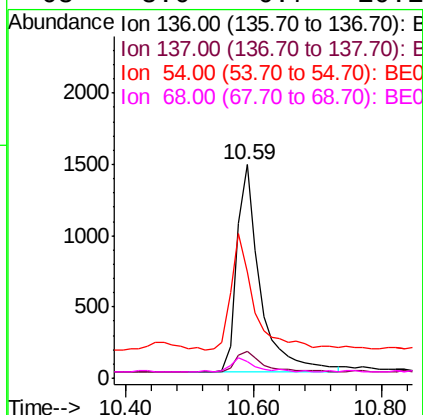
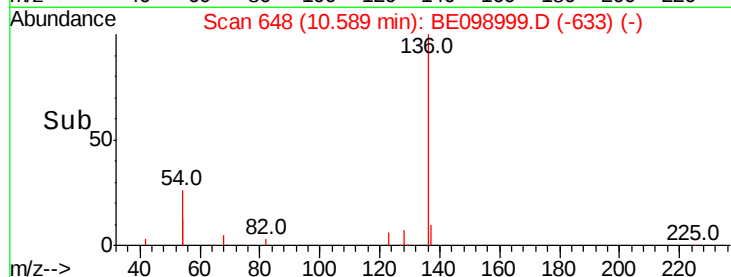
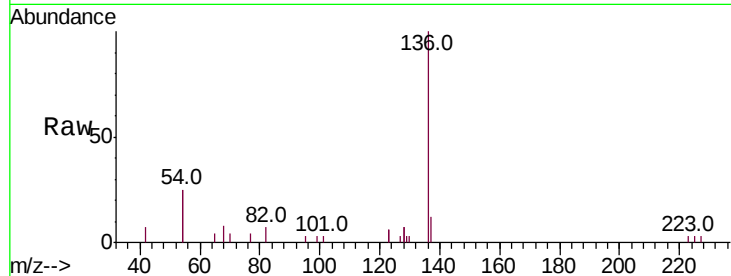
ClientSampleId :

PB117987BS

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.4	11.4	17.0
54	49.5	39.3	58.9
68	8.0	6.7	10.1

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



#8

Nitrobenzene-d5

Concen: 0.447 ng

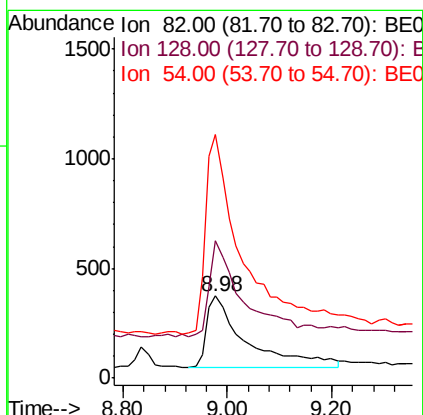
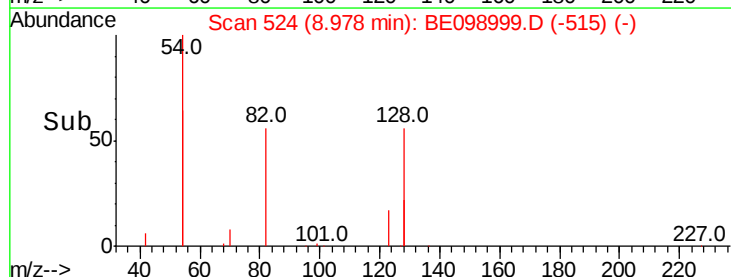
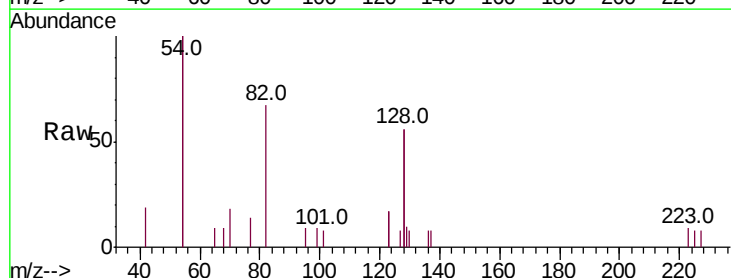
RT: 8.98 min Scan# 524

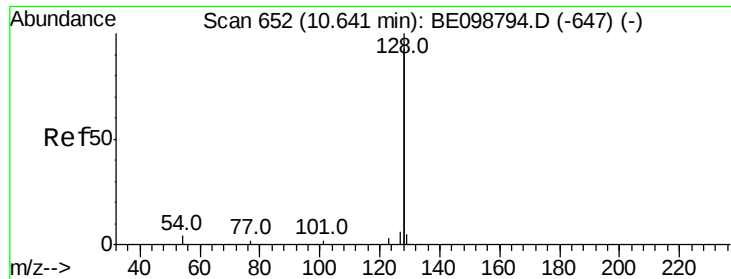
Delta R.T. 0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	167.8	123.8	185.8
54	297.6	203.4	305.2





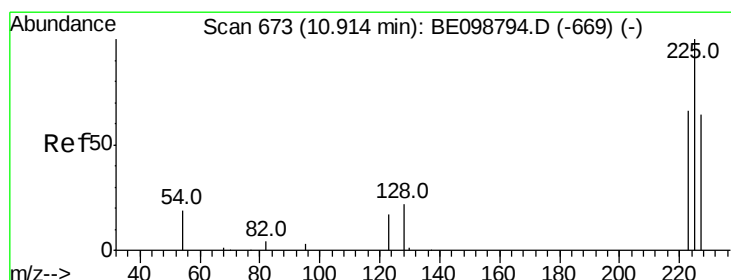
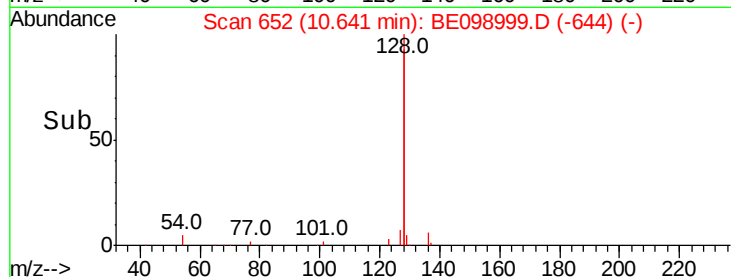
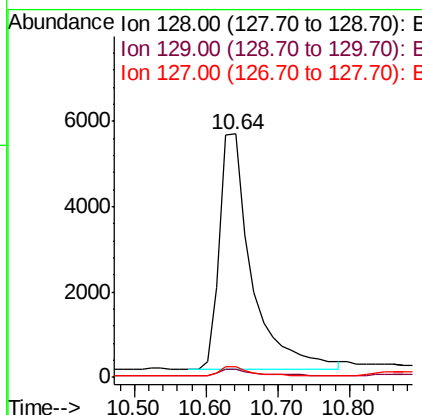
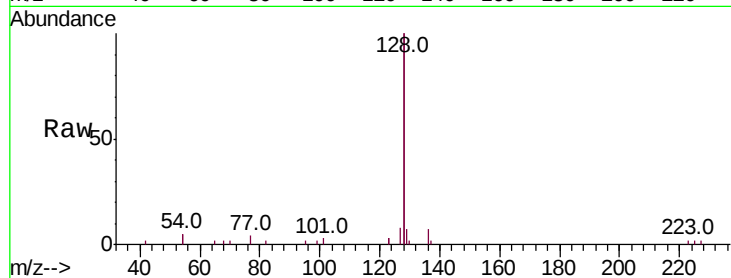
#9
Naphthalene
Concen: 0.406 ng
RT: 10.64 min Scan# 652
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	4.0
127	4.2	3.1	4.7

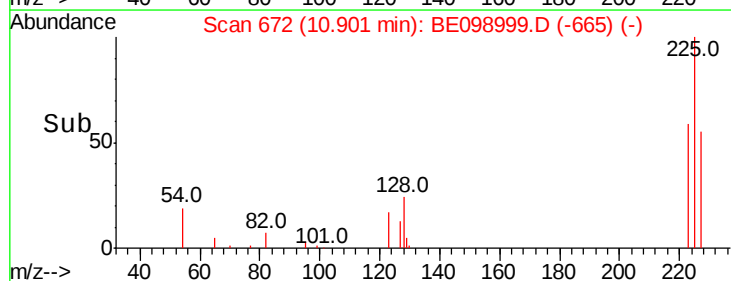
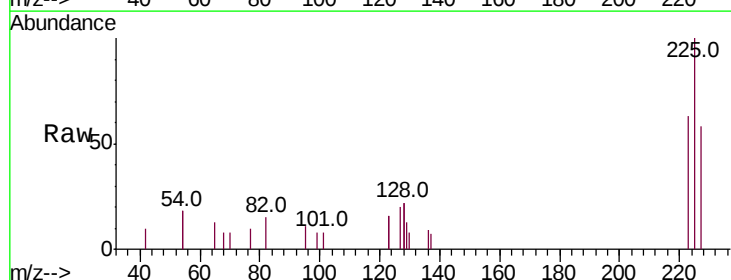
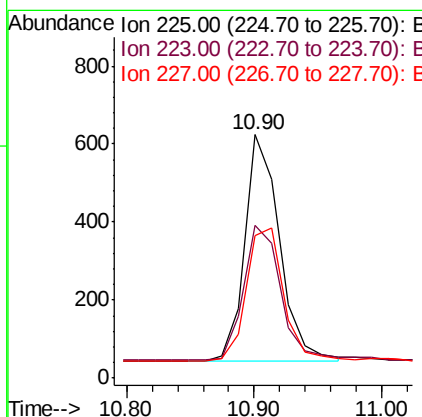
Manual Integrations
APPROVED

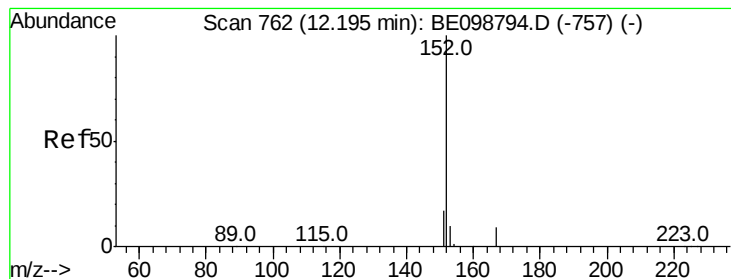
Sohil
3/19/2019 5:25:39 PM



#10
Hexachlorobutadiene
Concen: 0.389 ng
RT: 10.90 min Scan# 672
Delta R.T. -0.01 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.1	76.7
227	62.1	51.6	77.4





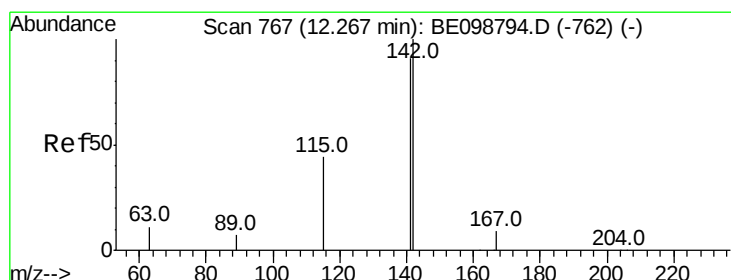
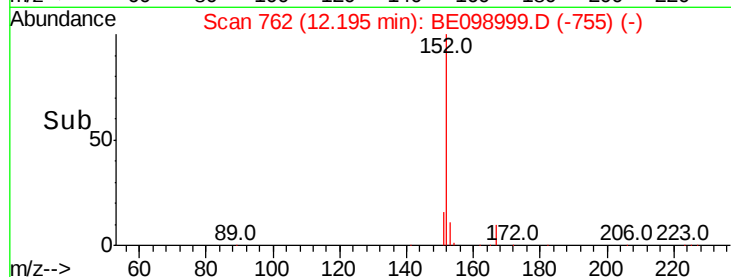
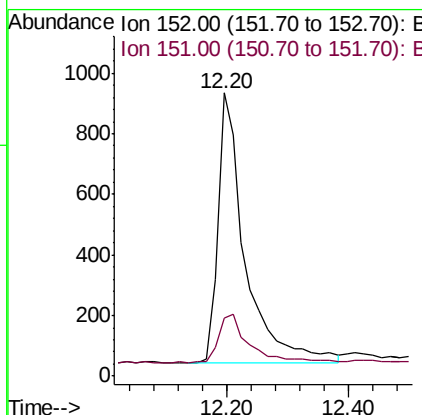
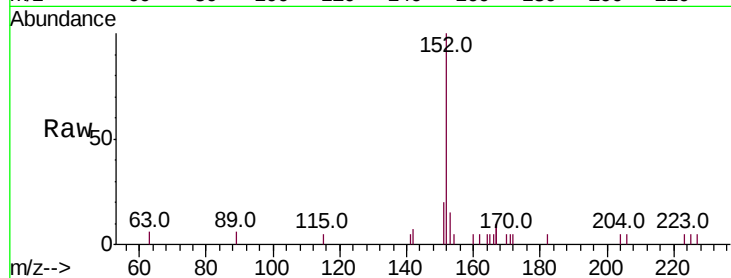
#11
 2-Methylnaphthalene-d10
 Concen: 0.400 ng
 RT: 12.20 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE098999.D
 Acq: 18 Mar 2019 14:01

Instrument :
 BNA_E
 ClientSampled :
 PB117987BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.5	24.7

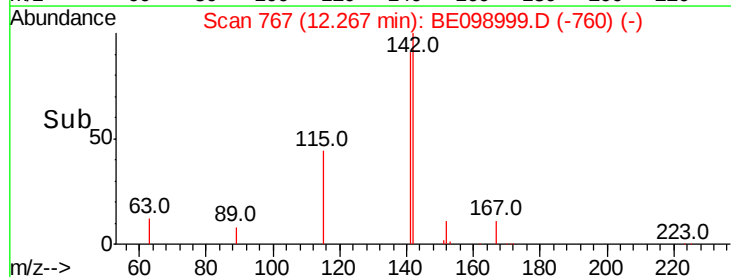
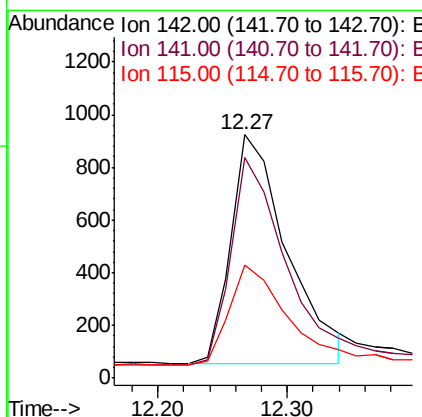
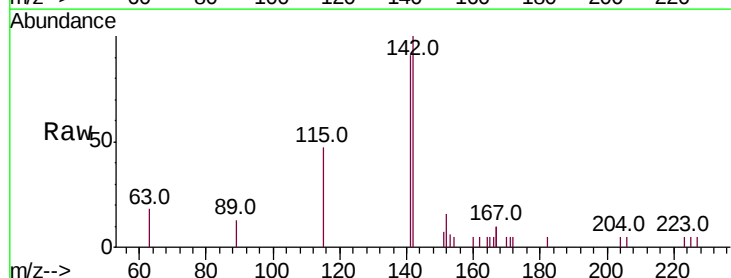
Manual Integrations
 APPROVED

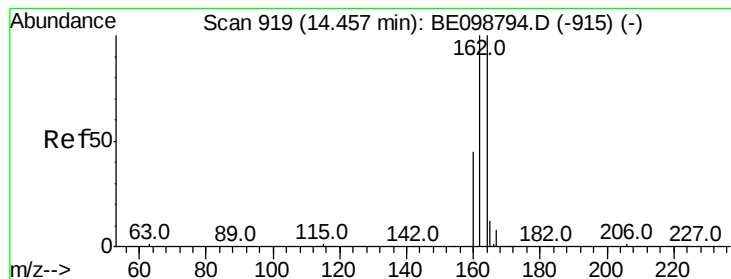
Sohil
 3/19/2019 5:25:39 PM



#12
 2-Methylnaphthalene
 Concen: 0.378 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE098999.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.6	108.8
115	46.6	37.4	56.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

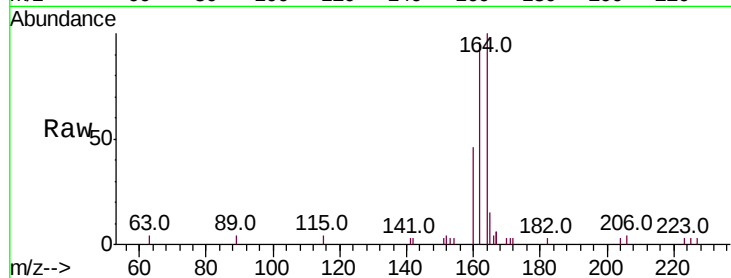
ClientSampleId :

PB117987BS

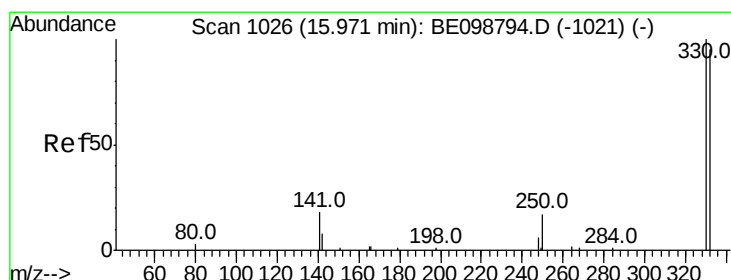
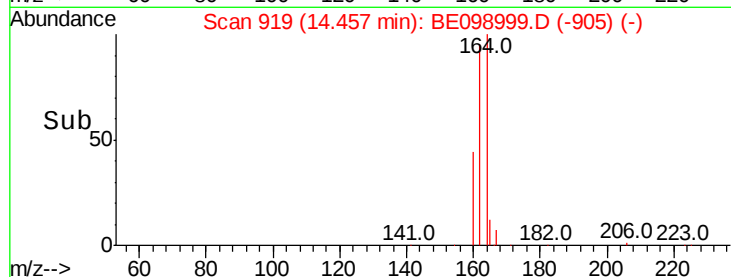
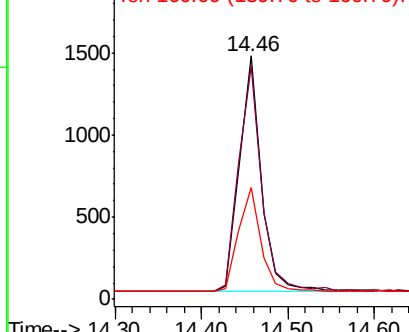
Tot Ion:	164	Resp:	2510
Ion	Ratio	Lower	Upper
164	100		
162	95.8	80.2	120.2
160	46.1	37.8	56.8

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



Abundance Ion 164.00 (163.70 to 164.70): E
2000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.253 ng

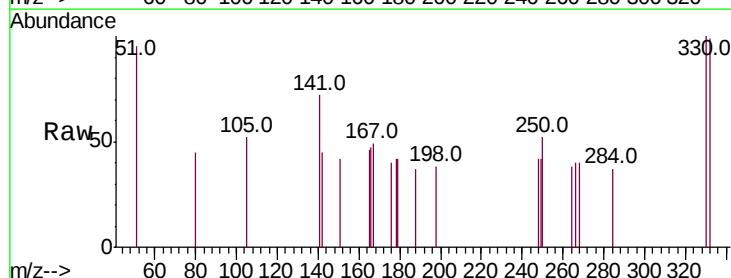
RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

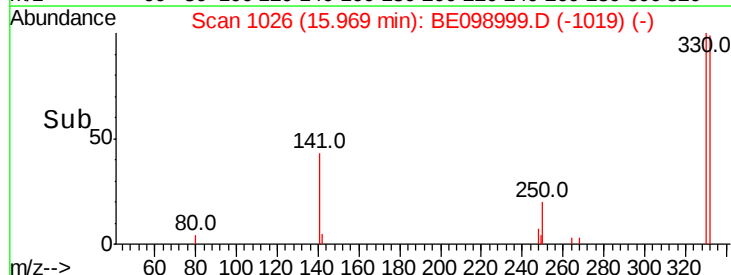
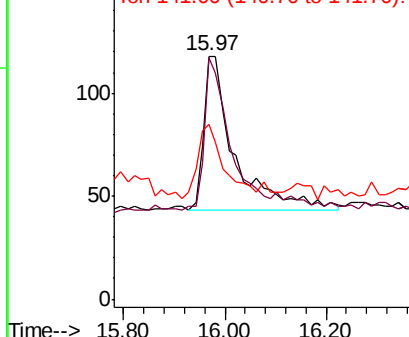
Lab File: BE098999.D

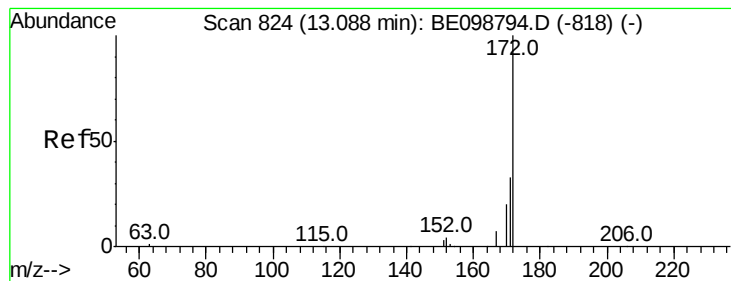
Acq: 18 Mar 2019 14:01

Tgt Ion:	330	Resp:	321
Ion	Ratio	Lower	Upper
330	100		
332	81.0	77.6	116.4
141	40.5	31.0	46.4



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





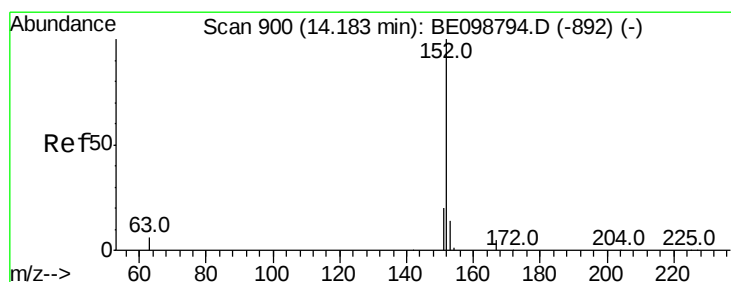
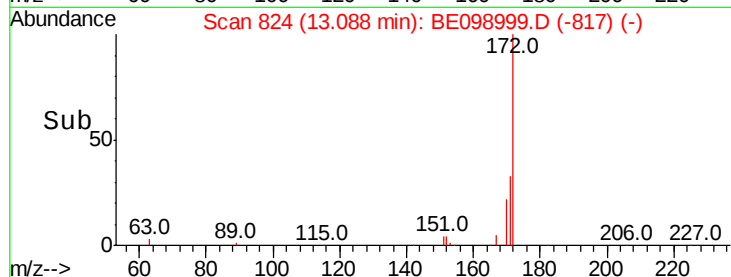
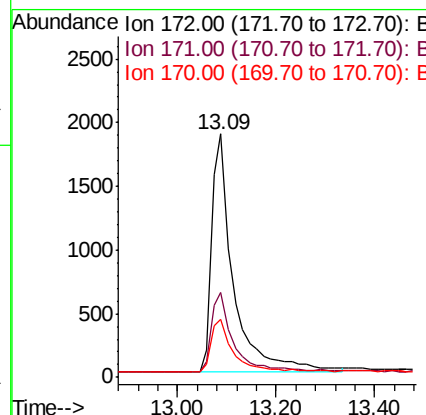
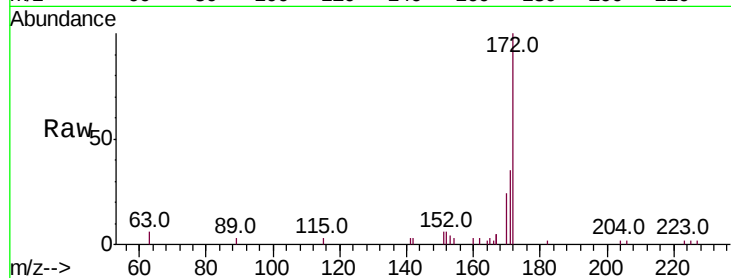
#15
2-Fluorobiphenyl
Concen: 0.545 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampled :
PB117987BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	24.0	17.7	26.5

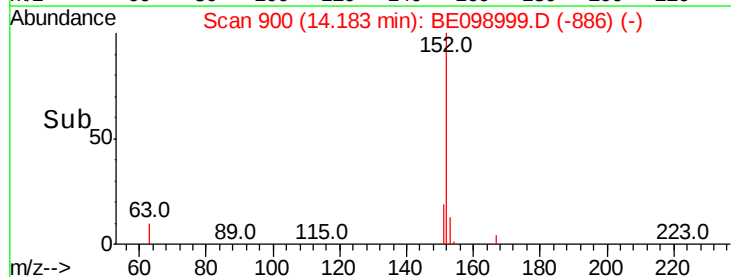
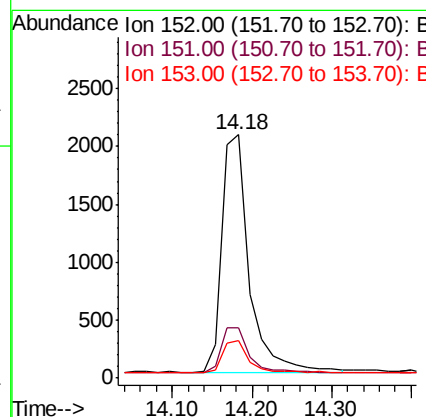
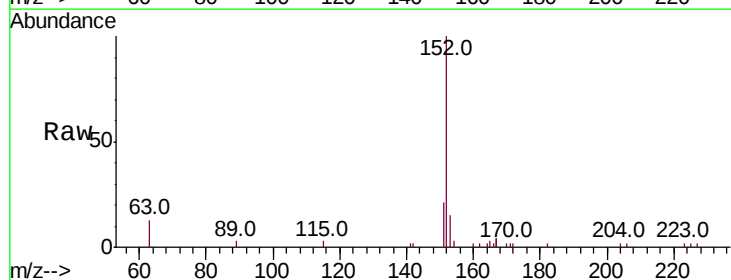
Manual Integrations
APPROVED

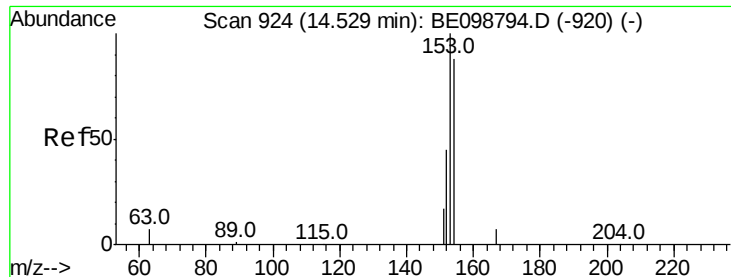
Sohil
3/19/2019 5:25:39 PM



#16
Acenaphthylene
Concen: 0.379 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.0	25.6
153	13.1	11.2	16.8





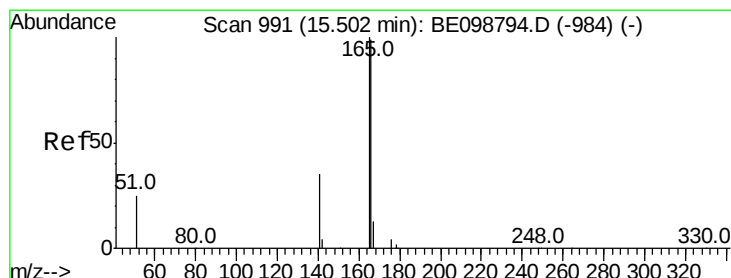
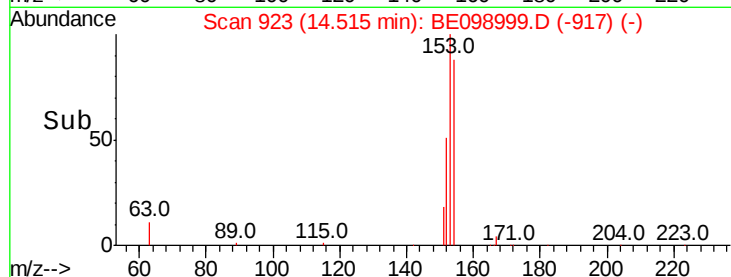
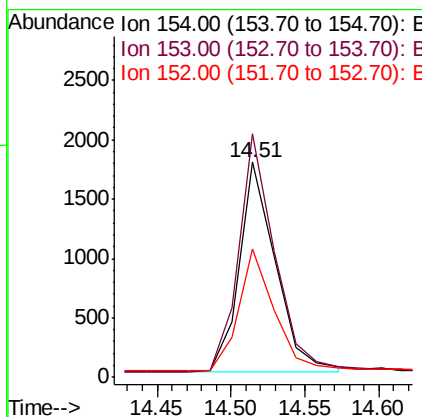
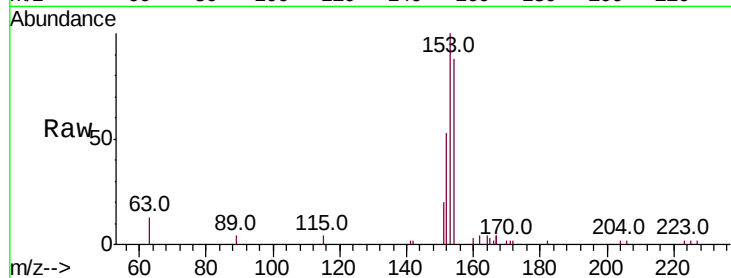
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.3	94.2	141.4
152	57.5	45.0	67.4

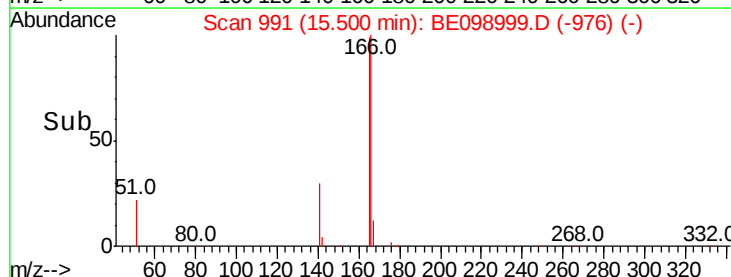
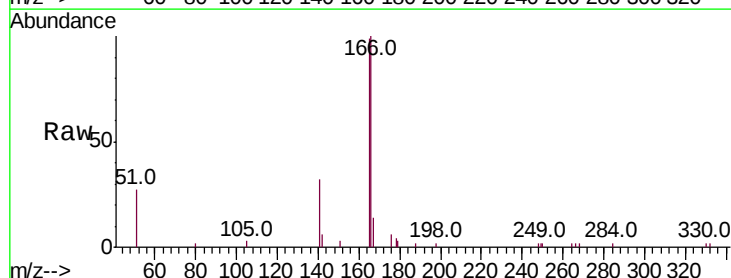
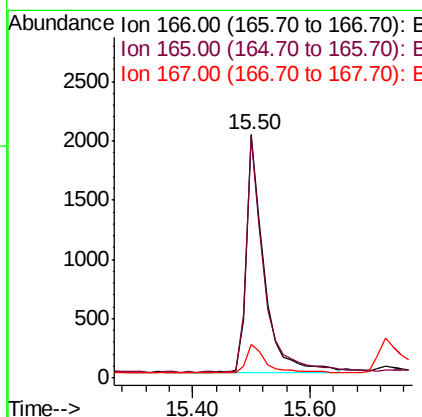
Manual Integrations
APPROVED

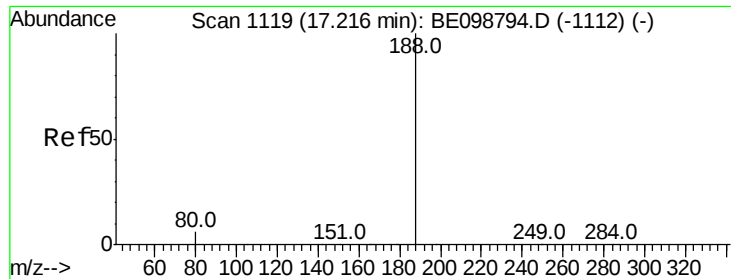
Sohil
3/19/2019 5:25:39 PM



#18
Fluorene
Concen: 0.374 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.3	118.9
167	13.0	10.5	15.7





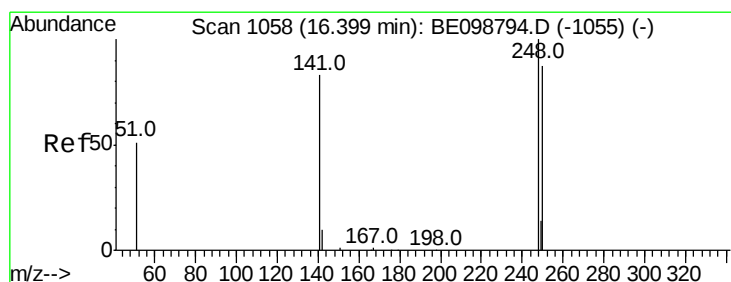
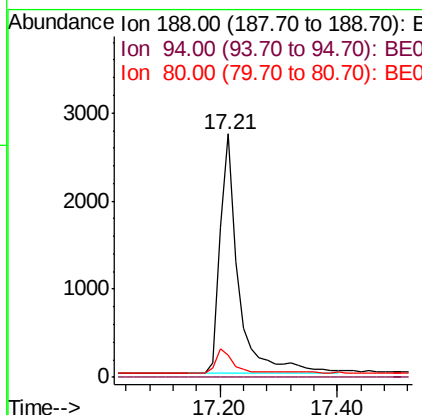
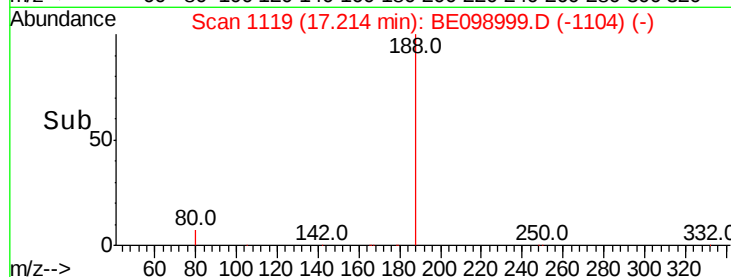
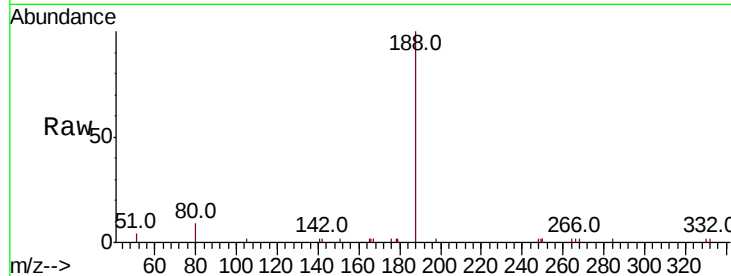
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	9.1	6.3	9.5

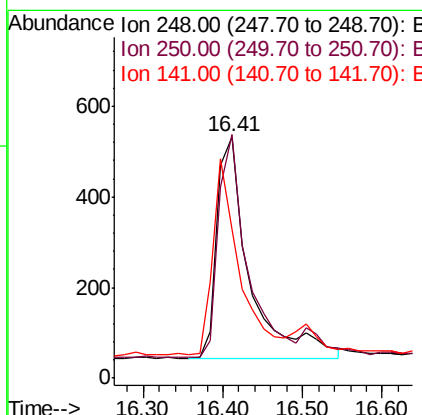
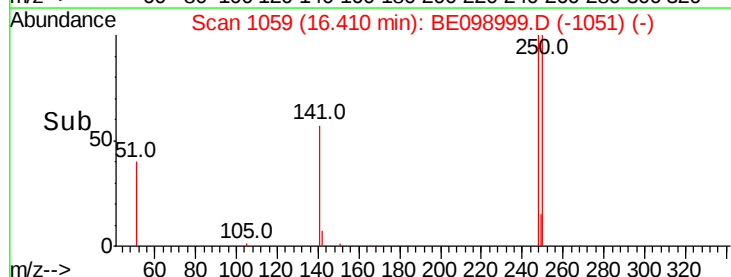
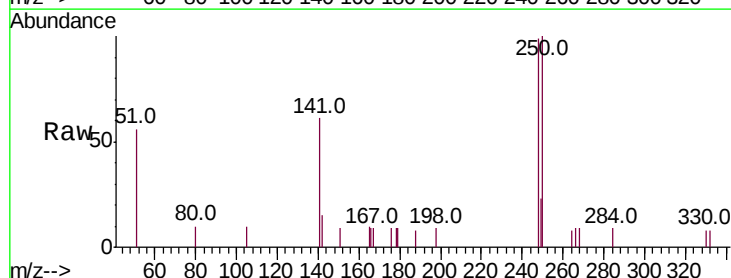
Manual Integrations
APPROVED

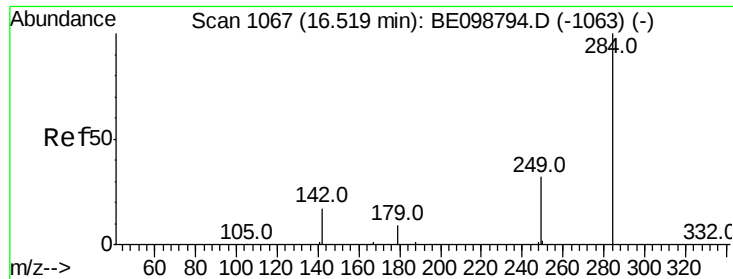
Sohil
3/19/2019 5:25:39 PM



#20
4-Bromophenyl-phenylether
Concen: 0.427 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
248	100		
250	100.9	70.6	105.8
141	61.7	68.6	102.8#





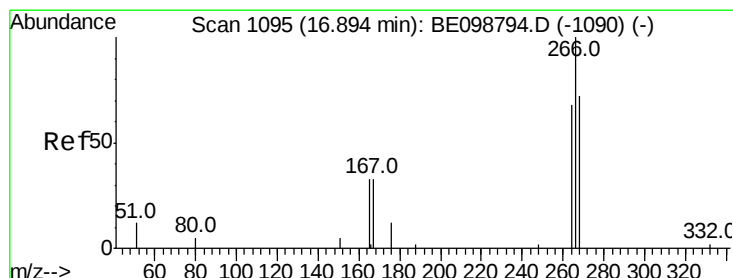
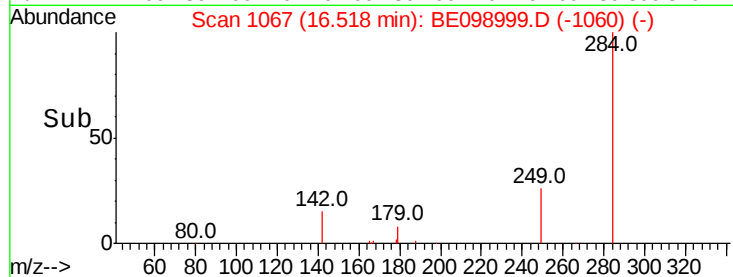
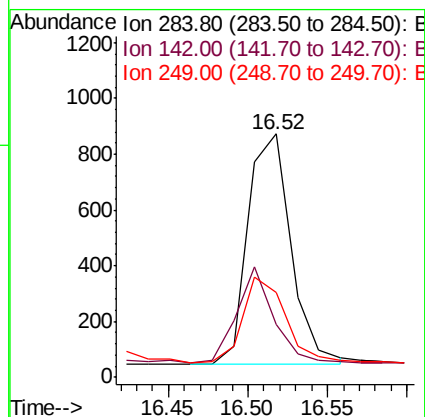
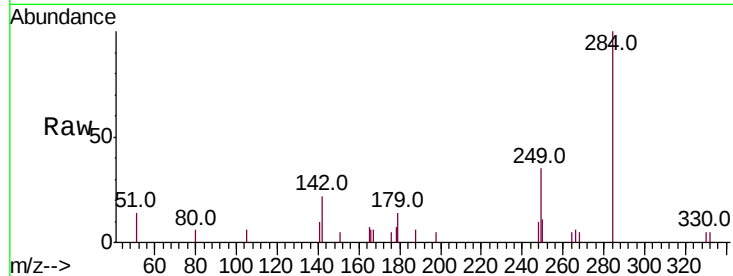
#21
Hexachlorobenzene
Concen: 0.399 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

Tot Ion:	284	Resp:	1555
Ion Ratio	Lower	Upper	
284	100		
142	36.1	28.7	43.1
249	36.6	29.6	44.4

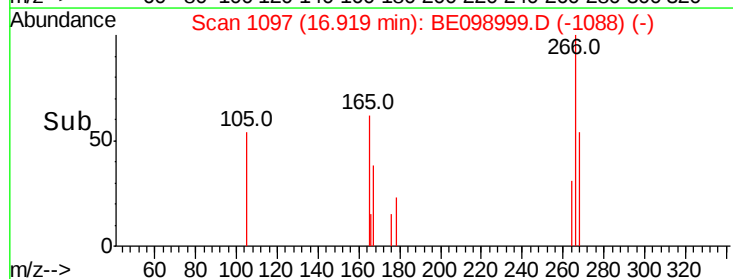
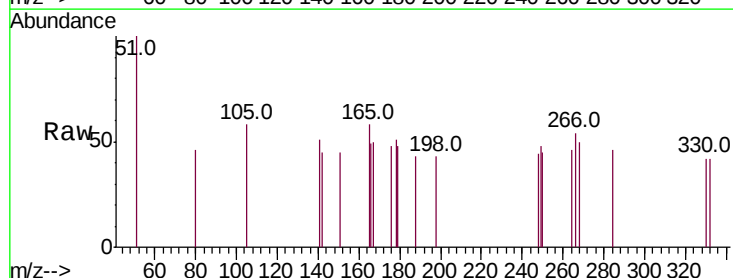
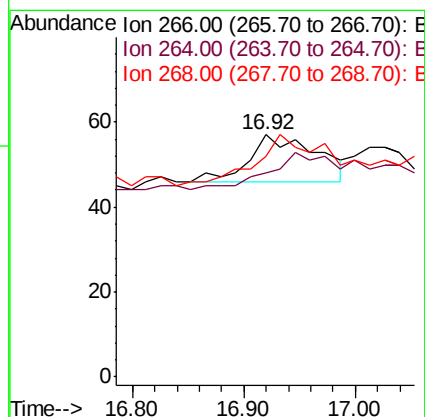
Manual Integrations
APPROVED

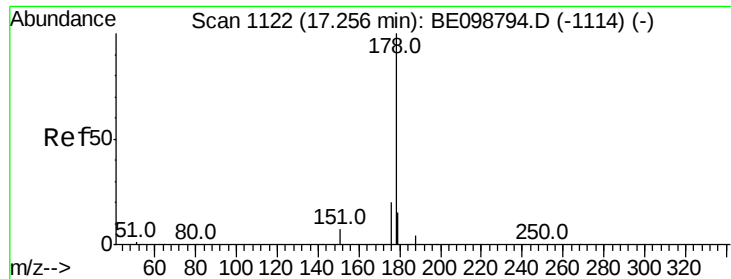
Sohil
3/19/2019 5:25:39 PM



#22
Pentachlorophenol
Concen: 0.300 ng
RT: 16.92 min Scan# 1097
Delta R.T. 0.03 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion:	266	Resp:	47
Ion Ratio	Lower	Upper	
266	100		
264	84.2	66.6	100.0
268	91.2	69.8	104.8





#23

Phenanthrene

Concen: 0.380 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

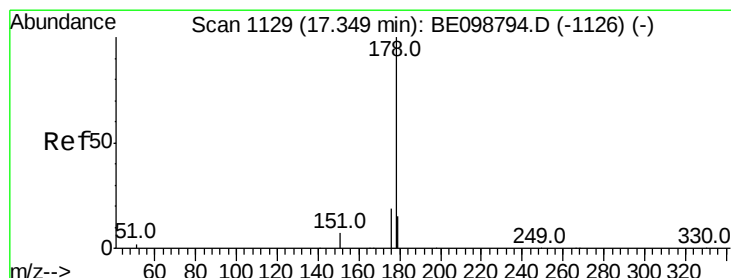
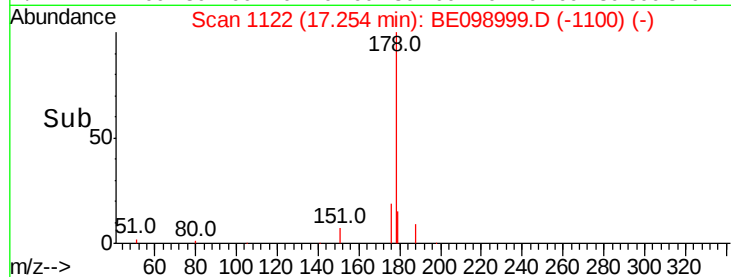
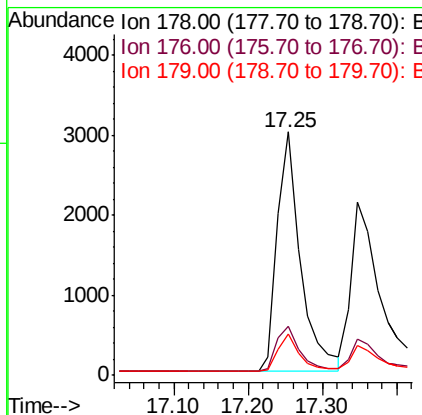
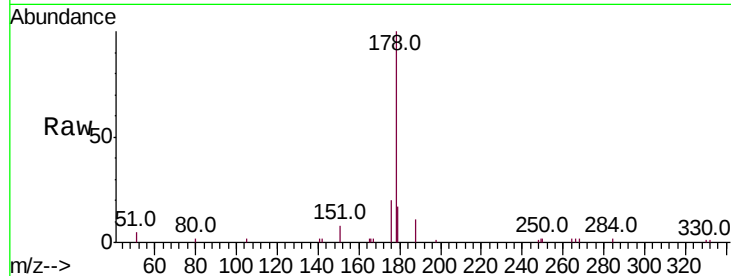
ClientSampleId :

PB117987BS

Tot Ion:178	Resp:	6531
Ion Ratio	Lower	Upper
178	100	
176	19.7	16.0 24.0
179	15.1	12.1 18.1

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



#24

Anthracene

Concen: 0.318 ng

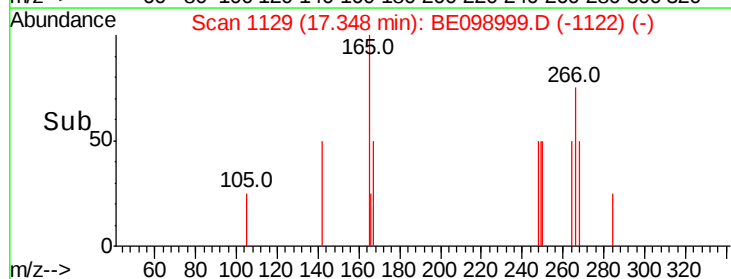
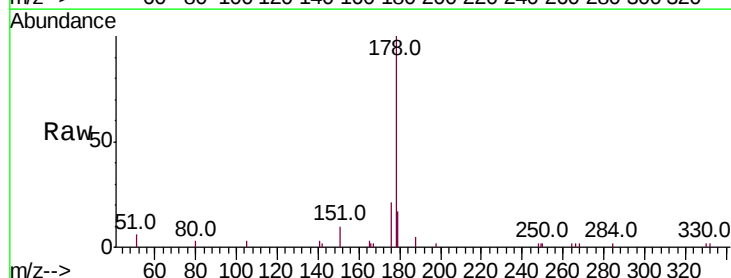
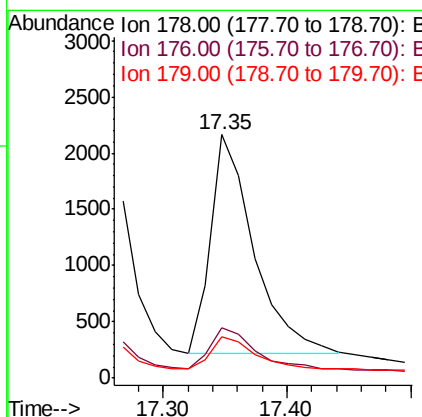
RT: 17.35 min Scan# 1129

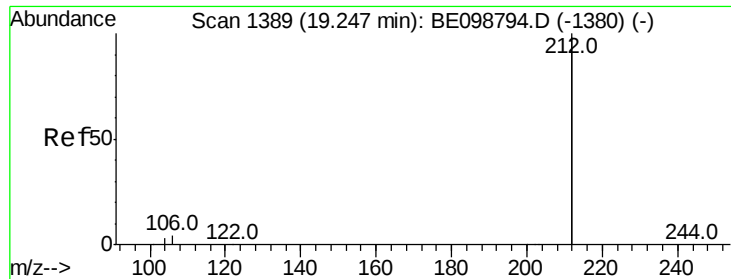
Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Tgt Ion:178	Resp:	4682
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.4 23.0
179	14.5	12.2 18.4





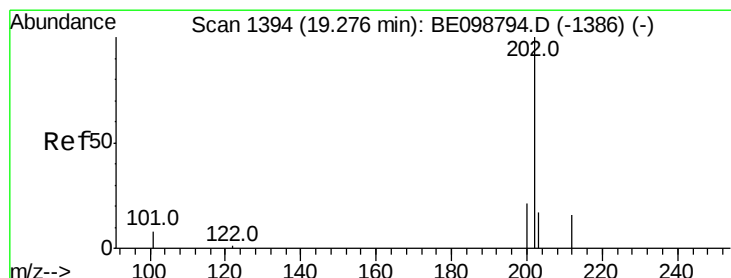
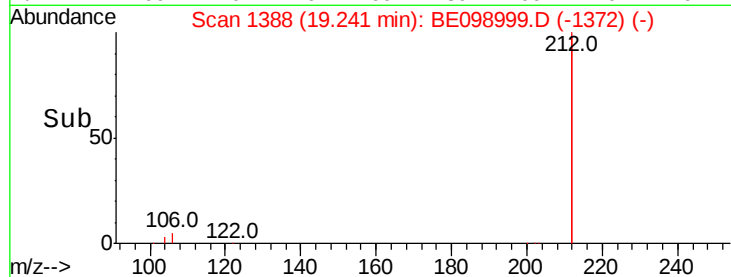
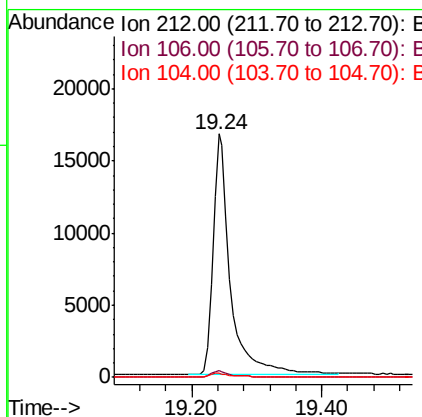
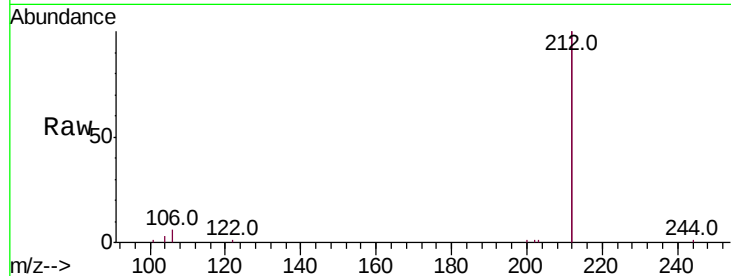
#25
 Fluoranthene-d10
 Concen: 0.330 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BE098999.D
 Acq: 18 Mar 2019 14:01

Instrument :
 BNA_E
 ClientSampleId :
 PB117987BS

Tot Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.8	2.8
104	1.4	1.0	1.6

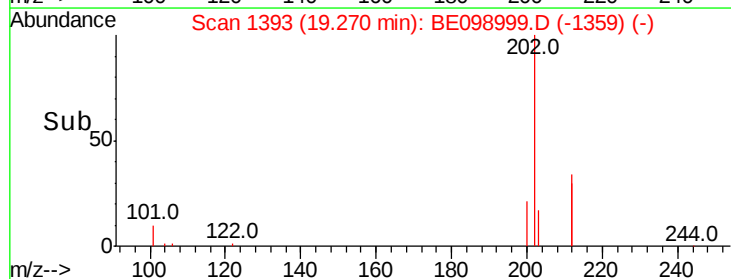
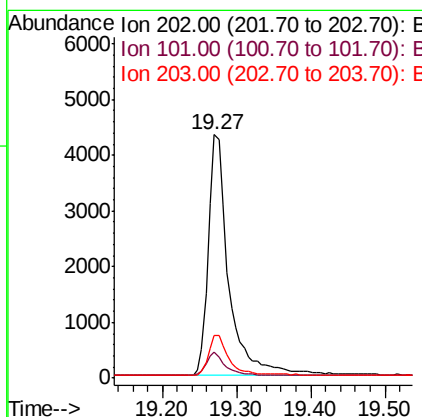
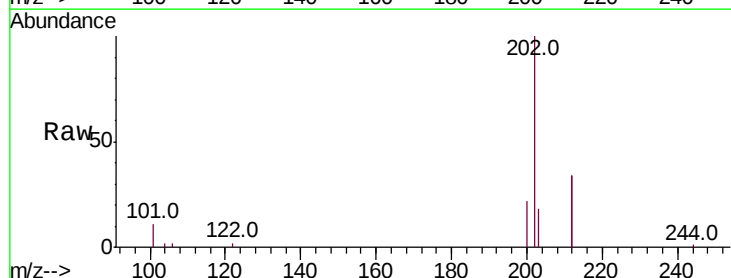
Manual Integrations
 APPROVED

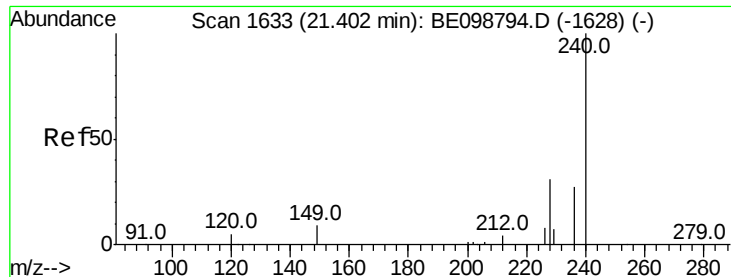
Sohil
 3/19/2019 5:25:39 PM



#26
 Fluoranthene
 Concen: 0.344 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BE098999.D
 Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.3	10.9
203	16.1	13.4	20.2





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

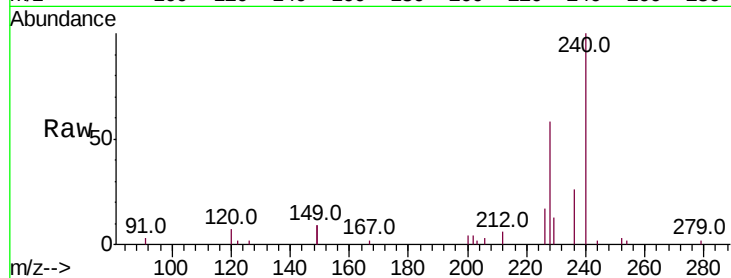
ClientSampleId :

PB117987BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.0	7.4
236	26.1	22.7	34.1

Manual Integrations
APPROVED

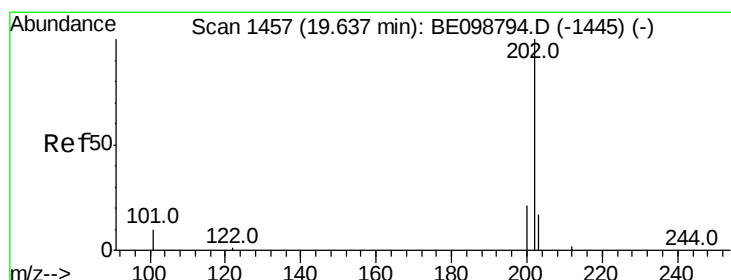
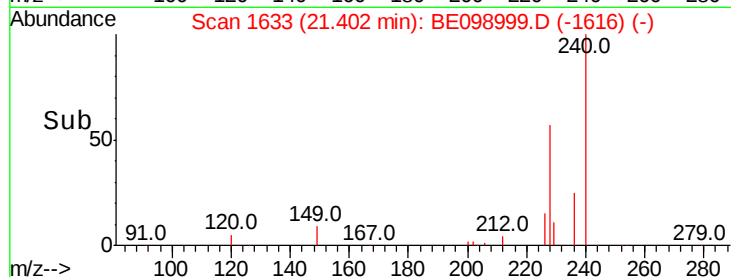
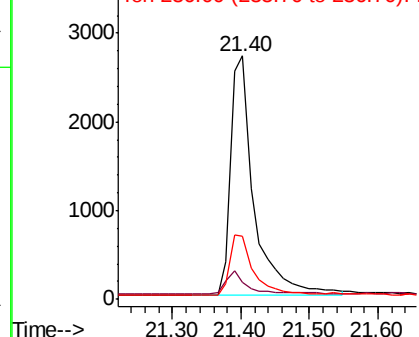
Sohil
3/19/2019 5:25:39 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.435 ng

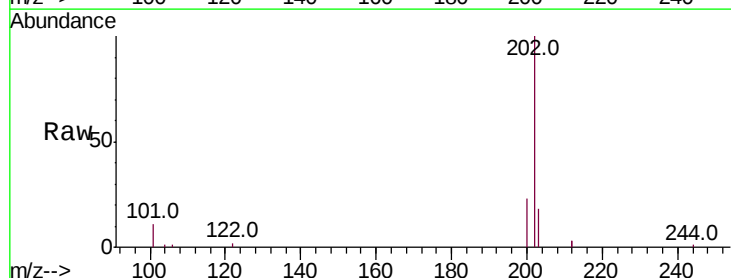
RT: 19.64 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

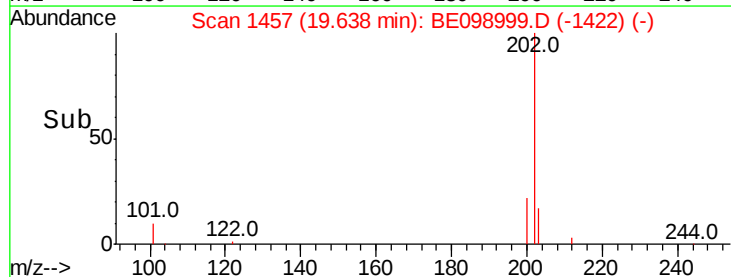
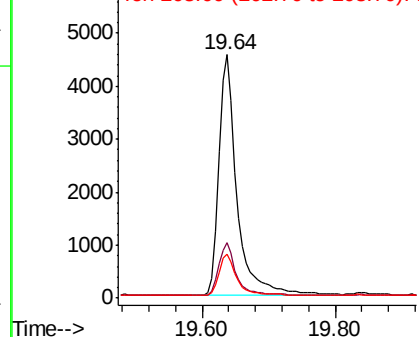
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.4	14.2	21.2

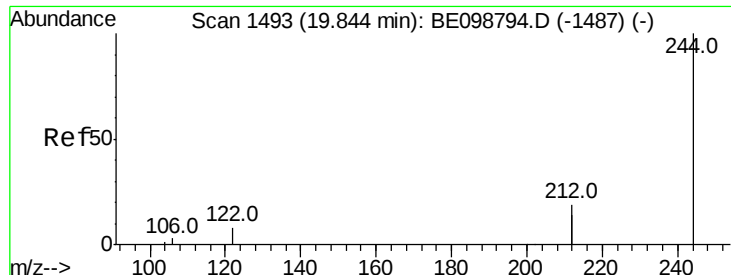


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 1.217 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

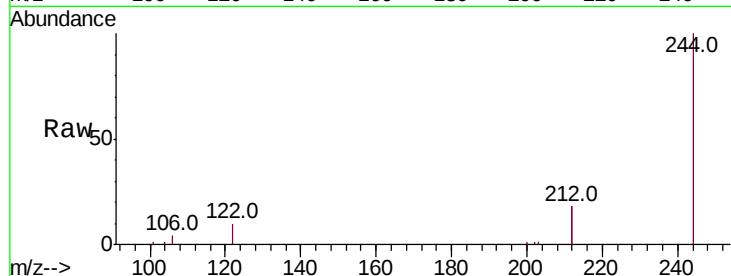
ClientSampled :

PB117987BS

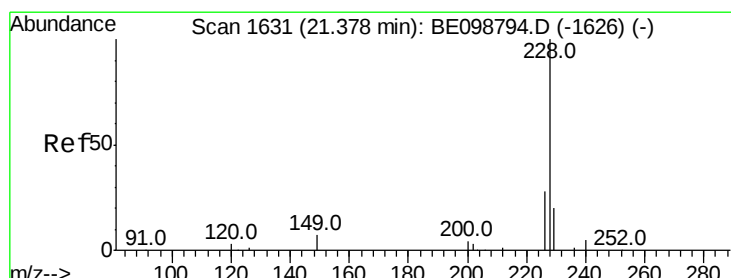
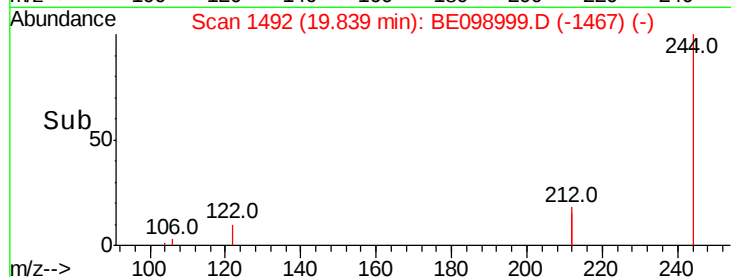
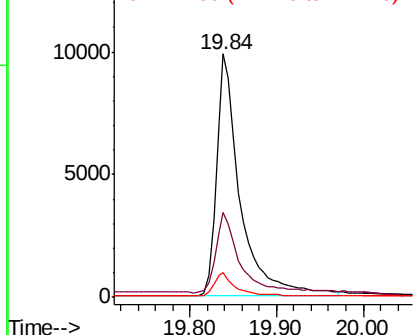
Tot Ion:	244	Resp:	18945
Ion Ratio	Lower	Upper	
244	100		
212	35.0	29.4	44.2
122	10.0	7.1	10.7

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



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: 0.348 ng

RT: 21.38 min Scan# 1631

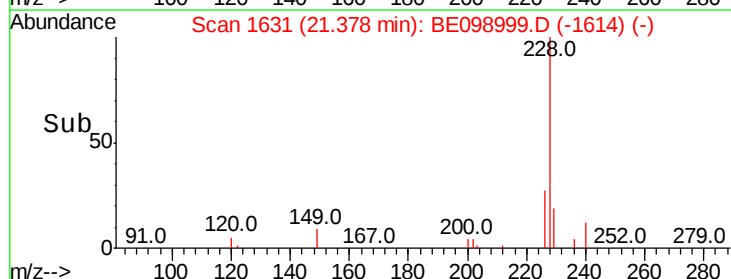
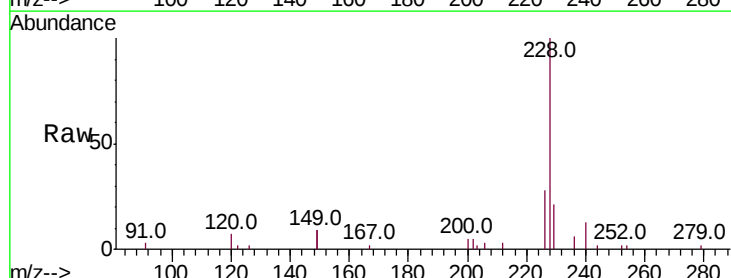
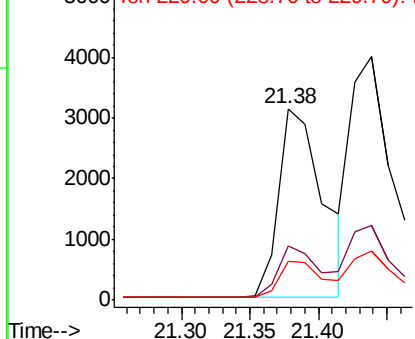
Delta R.T. -0.00 min

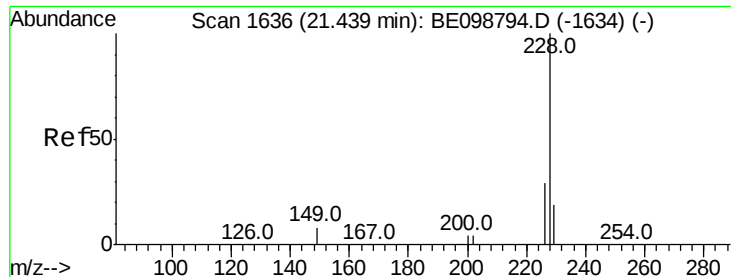
Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Tgt Ion:	228	Resp:	6963
Ion Ratio	Lower	Upper	
228	100		
226	28.4	23.0	34.4
229	20.5	16.5	24.7

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





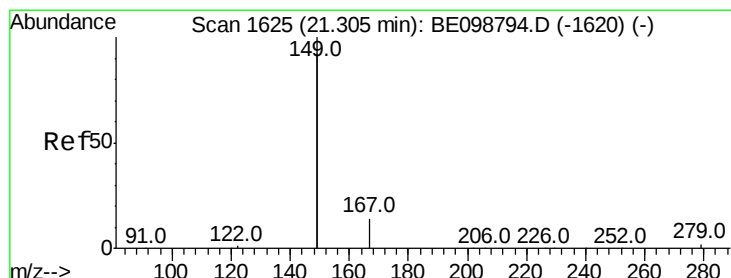
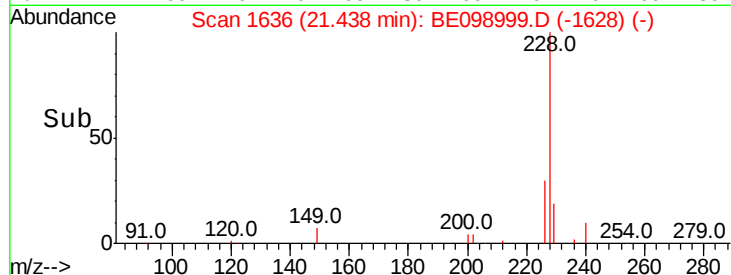
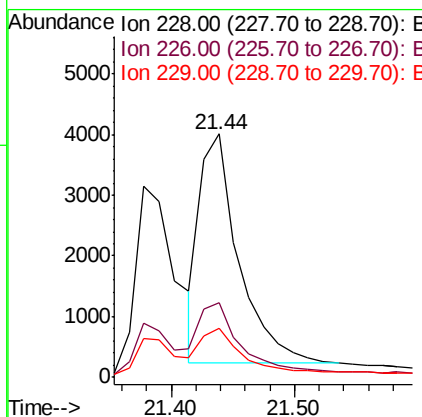
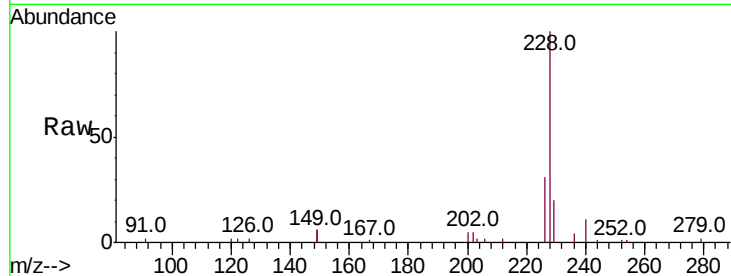
#31
Chrysene
Concen: 0.388 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.7	35.5
229	20.2	16.1	24.1

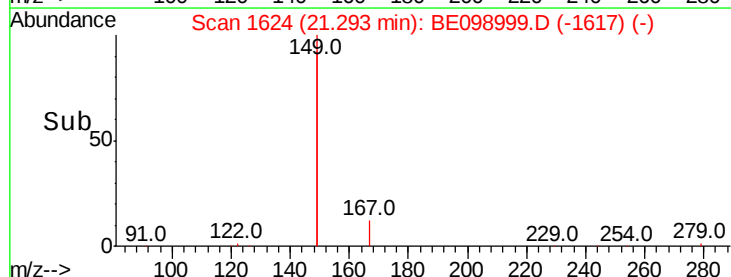
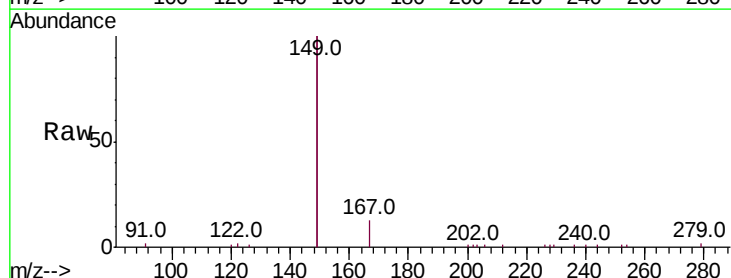
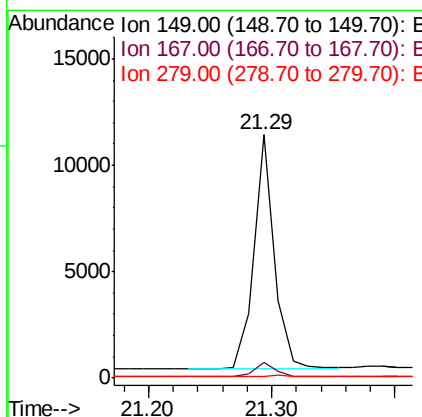
Manual Integrations
APPROVED

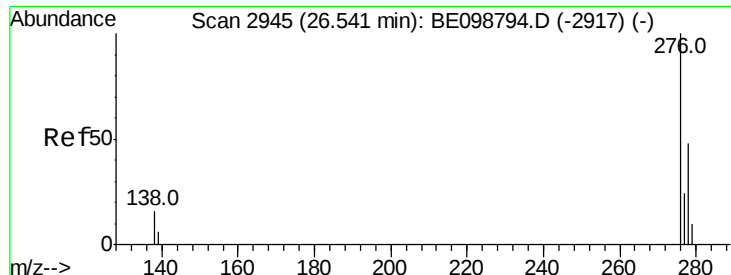
Sohil
3/19/2019 5:25:39 PM



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.297 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.1	1.0	1.4





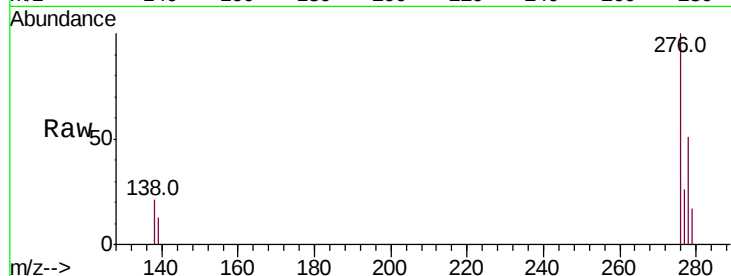
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.296 ng
RT: 26.55 min Scan# 2948
Delta R.T. 0.01 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

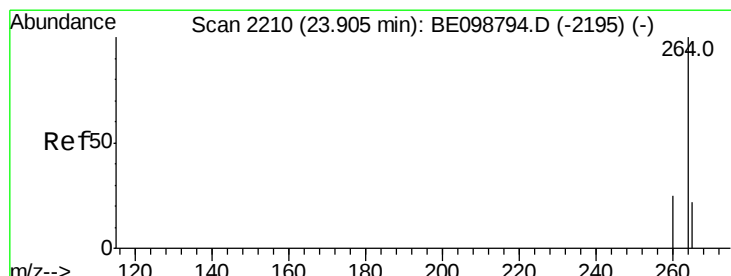
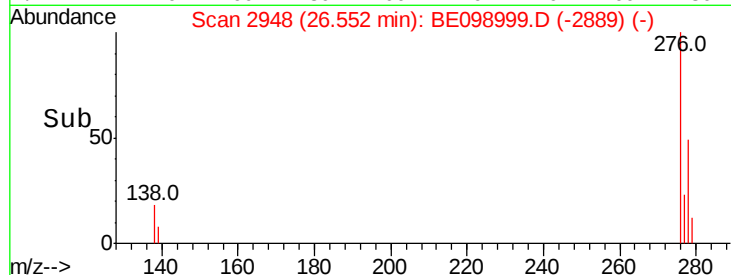
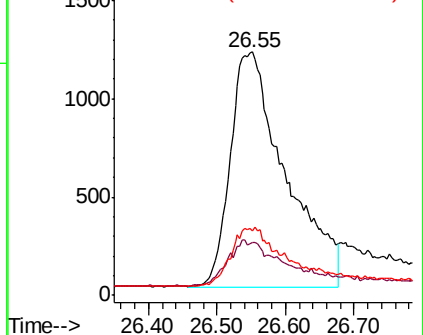
Tot Ion	Ratio	Lower	Upper
276	100		
138	7.8	13.8	20.8#
277	9.6	19.5	29.3#

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM



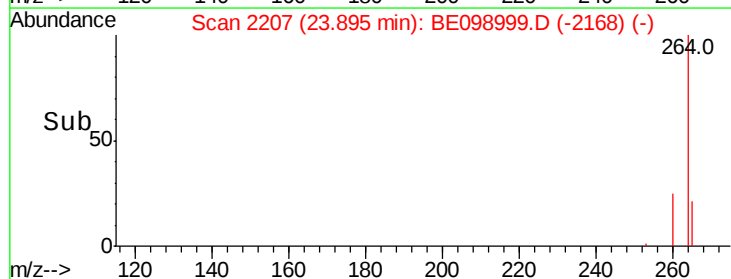
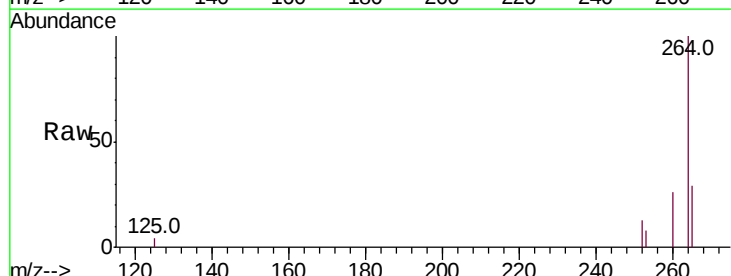
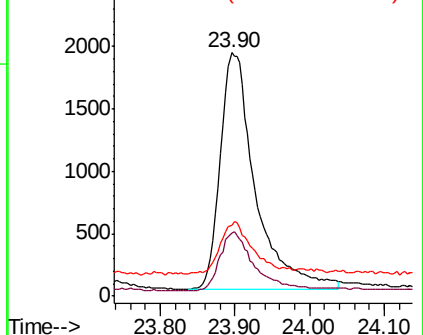
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

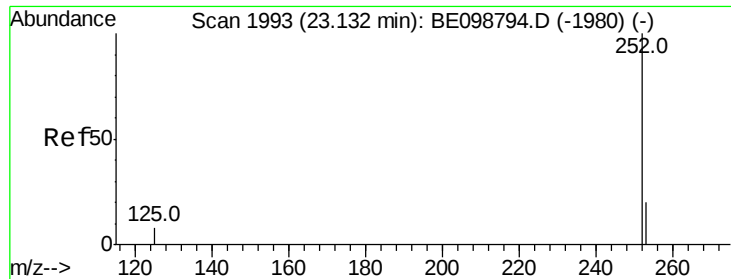


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.2	31.8
265	29.2	24.6	36.8

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: 0.377 ng m

RT: 23.13 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS

Tot Ion:252 Resp: 7678

Ion Ratio Lower Upper

252 100

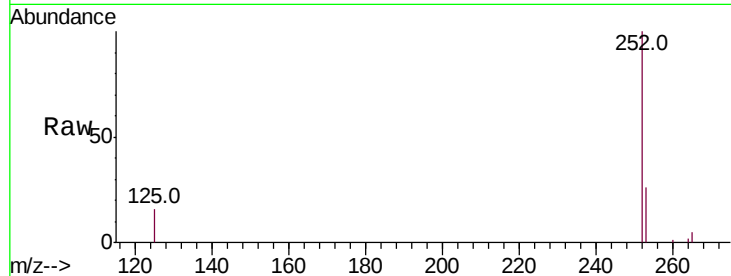
253 26.4 18.2 27.2

125 16.4 7.3 10.9#

Manual Integrations
APPROVED

Sohil

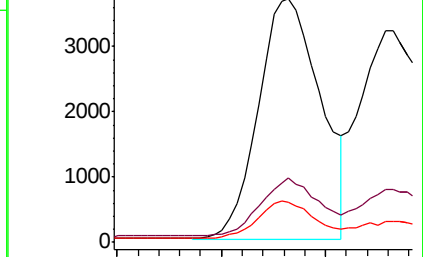
3/19/2019 5:25:39 PM



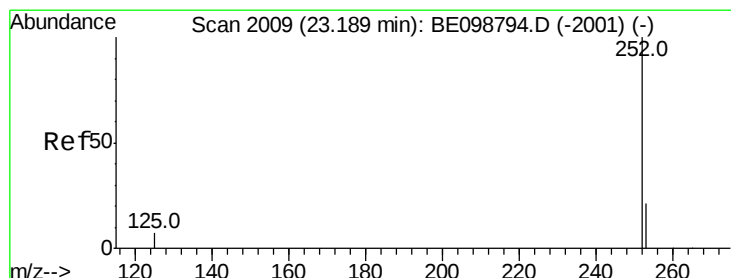
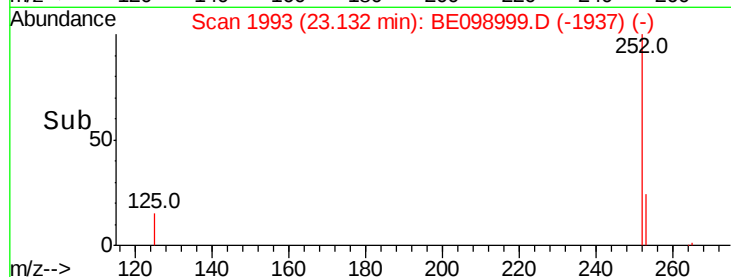
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.05 23.10 23.15



#36

Benzo(k)fluoranthene

Concen: 0.428 ng

RT: 23.18 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BE098999.D

Acq: 18 Mar 2019 14:01

Tgt Ion:252 Resp: 9133

Ion Ratio Lower Upper

252 100

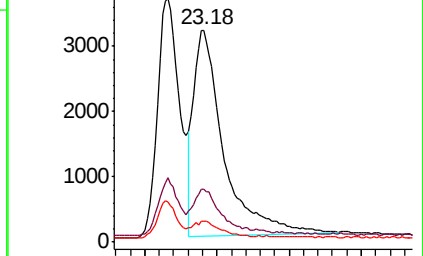
253 24.8 19.3 28.9

125 10.0 7.5 11.3

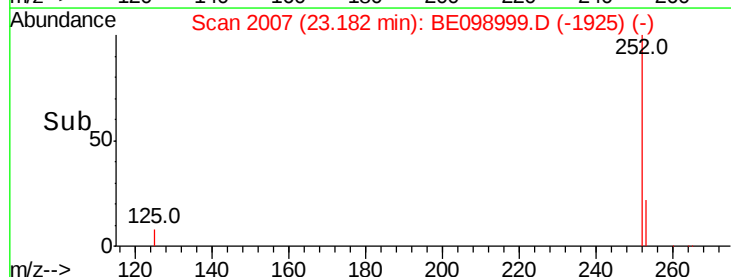
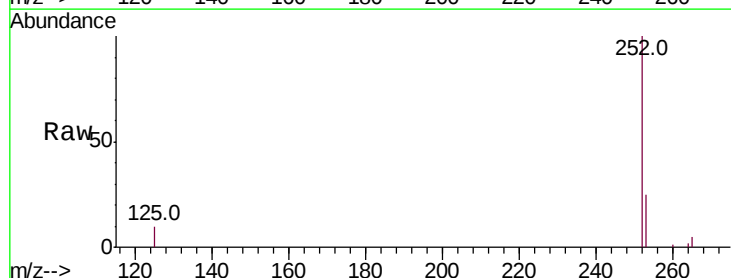
Abundance Ion 252.00 (251.70 to 252.70): E

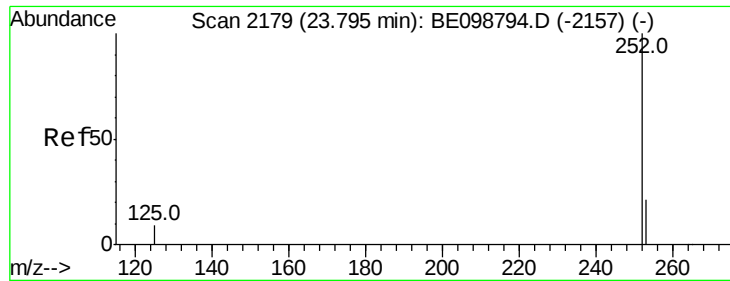
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 23.10 23.20 23.30 23.40





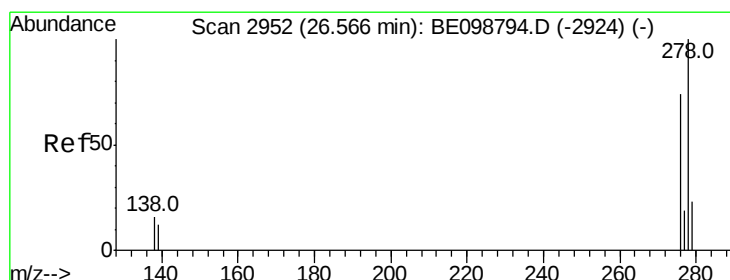
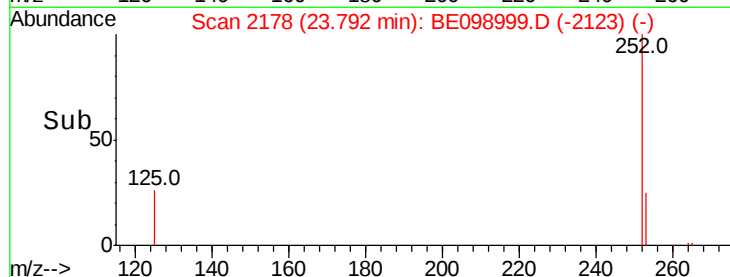
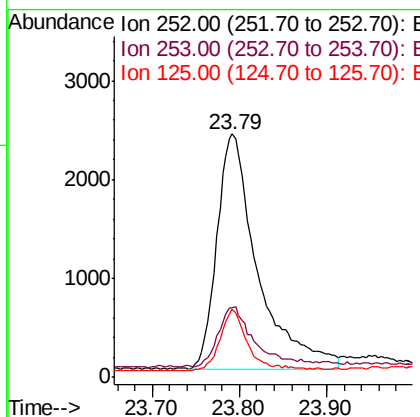
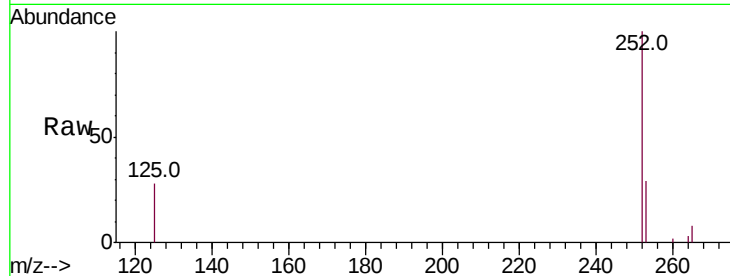
#37
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.79 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Instrument :
BNA_E
ClientSampleId :
PB117987BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.8	19.9	29.9
125	28.3	9.0	13.4

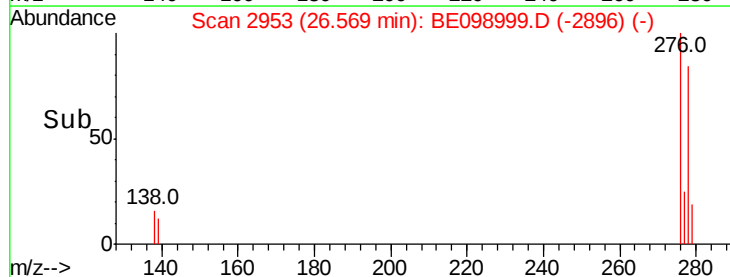
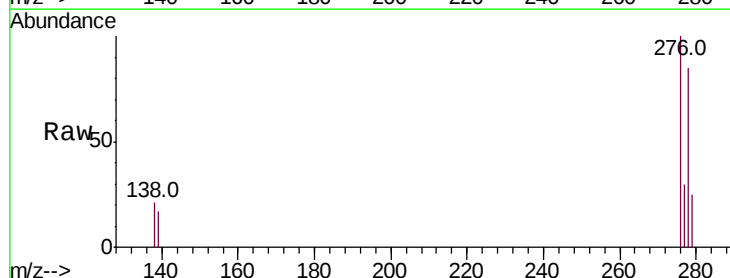
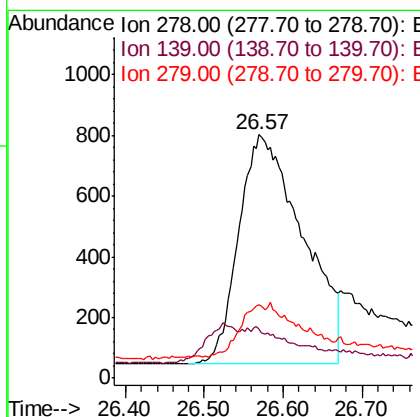
Manual Integrations
APPROVED

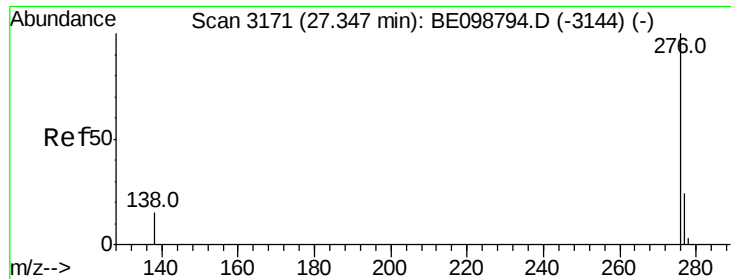
Sohil
3/19/2019 5:25:39 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.231 ng
RT: 26.57 min Scan# 2953
Delta R.T. 0.00 min
Lab File: BE098999.D
Acq: 18 Mar 2019 14:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	11.8	17.6
279	29.9	21.1	31.7





#39

Benzo(a,h,i)perylene

Concen: 0.335 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE098999.D

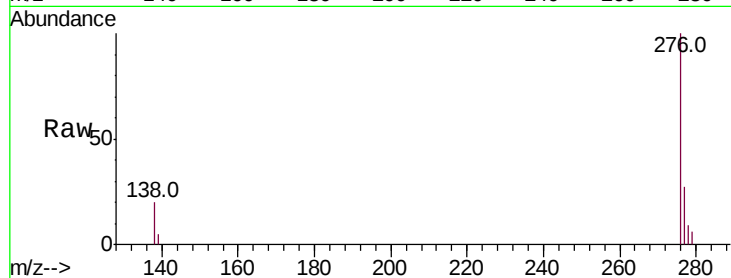
Acq: 18 Mar 2019 14:01

Instrument :

BNA_E

ClientSampleId :

PB117987BS



Tot Ion: 276 Resp: 6475

Ion Ratio Lower Upper

276 100

277 26.6 20.4 30.6

138 20.0 13.6 20.4

Manual Integrations
APPROVED

Sohil
3/19/2019 5:25:39 PM

