

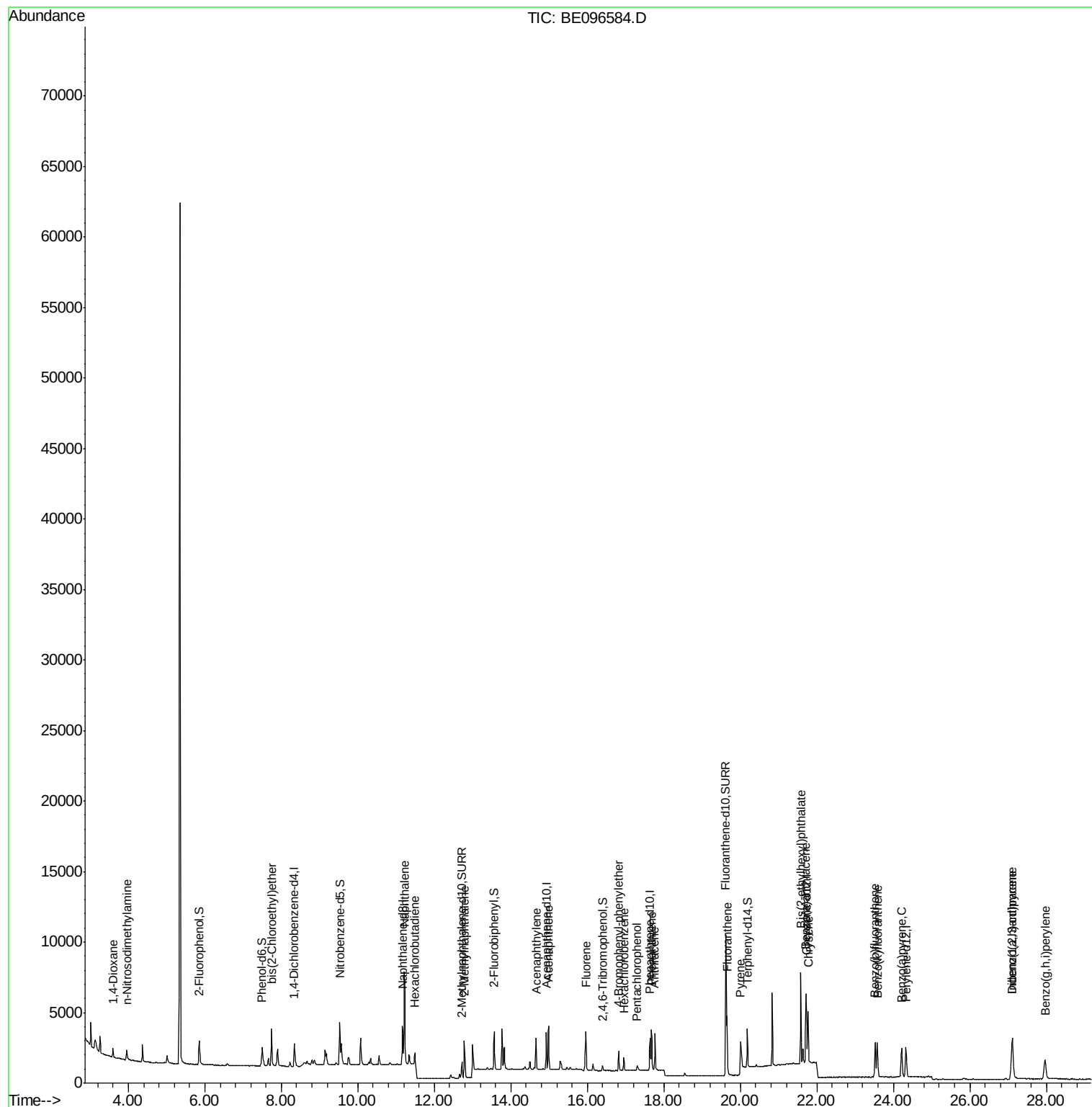
Data Path : Z:\HPCHEM1\BNA E\DATA\BE051518\
Data File : BE096584.D
Acq On : 15 May 2018 18:48
Operator : SJ/JU
Sample : PB108889BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

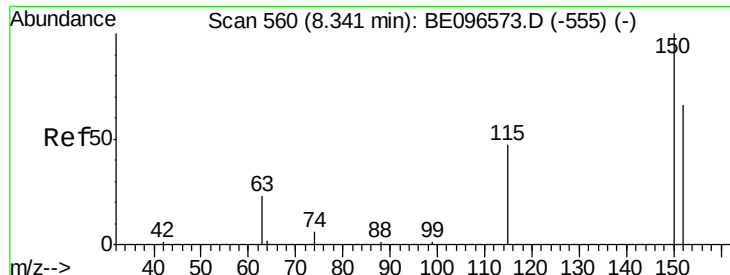
Instrument :
BNA_E
ClientSampleId :
PB108889BS

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM

Quant Time: May 16 06:05:14 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration





#1

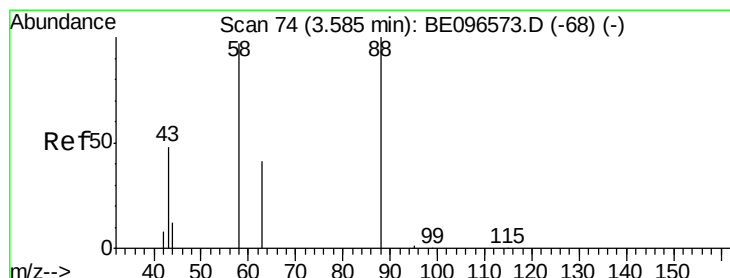
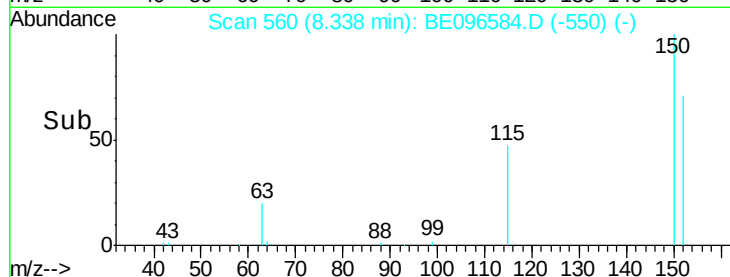
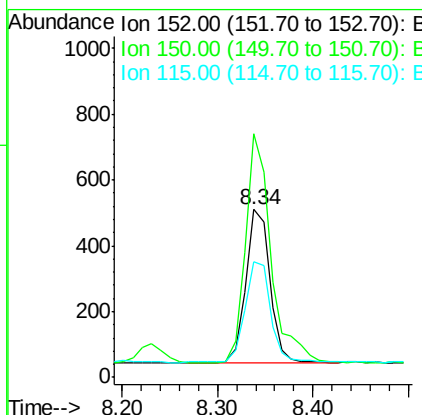
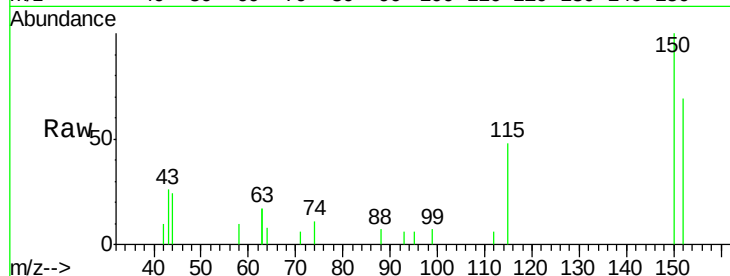
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.34 min Scan# 560
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :
PB108889BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.1	117.2	175.8
115	69.2	57.0	85.6

Manual Integrations
APPROVED

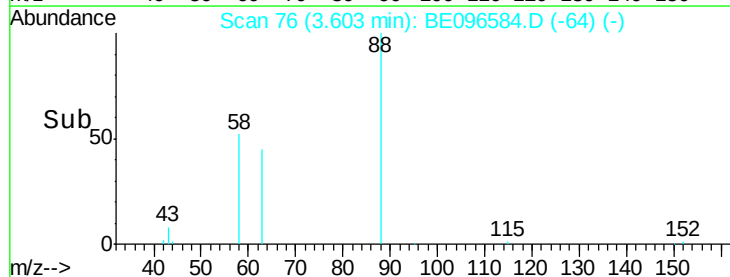
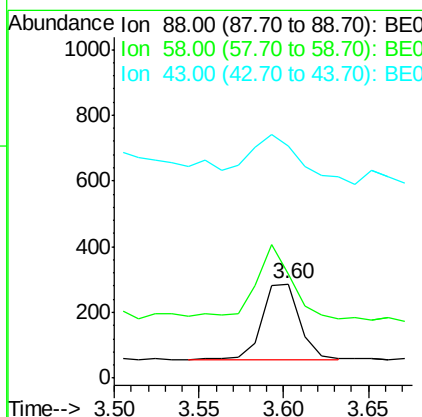
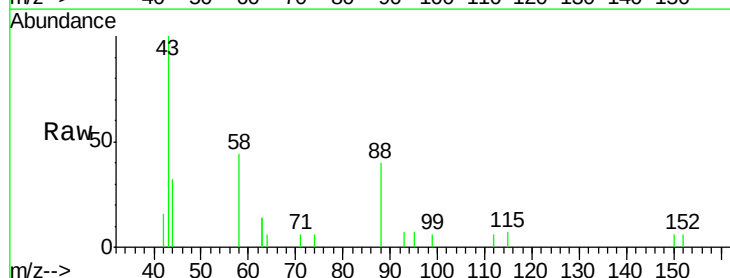
Sohil
5/16/2018 6:42:28 PM

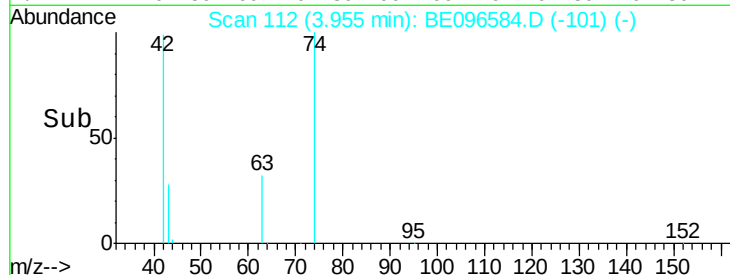
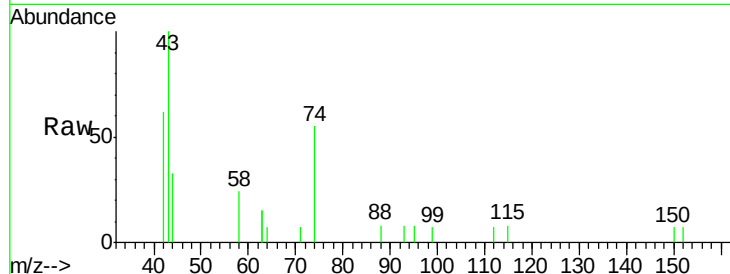
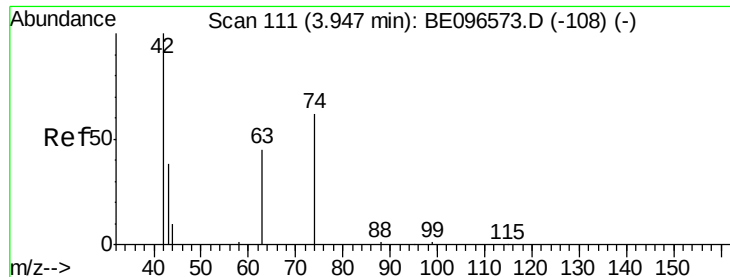


#2

1,4-Dioxane
Concen: 0.290 ng
RT: 3.60 min Scan# 76
Delta R.T. 0.02 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.9	63.2	94.8
43	89.6	41.2	61.8





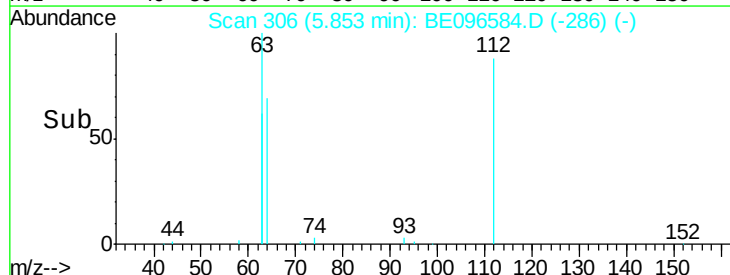
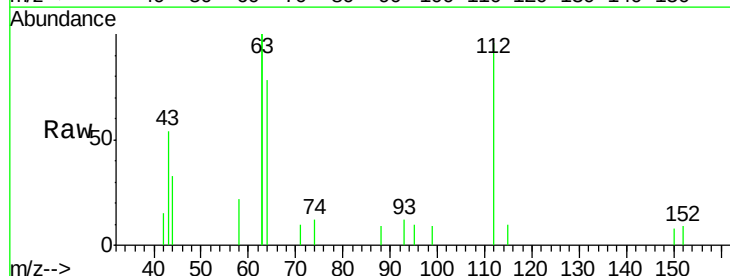
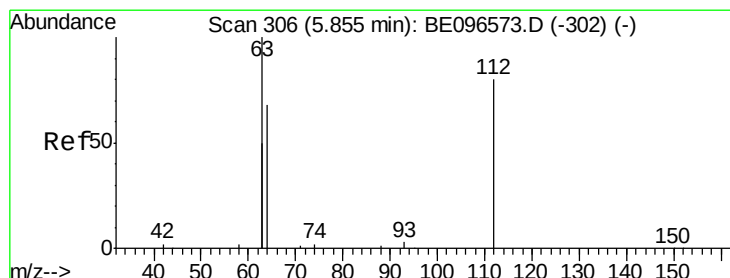
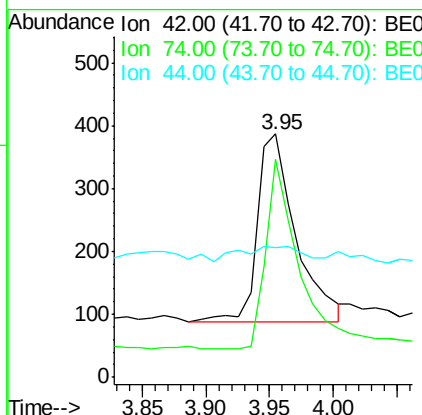
#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.95 min Scan# 112
Delta R.T. 0.01 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tot Ion	Ratio	Lower	Upper
42	100		
74	82.9	96.0	144.0#
44	12.8	12.0	18.0

Instrument :
BNA_E
ClientSampled :
PB108889BS

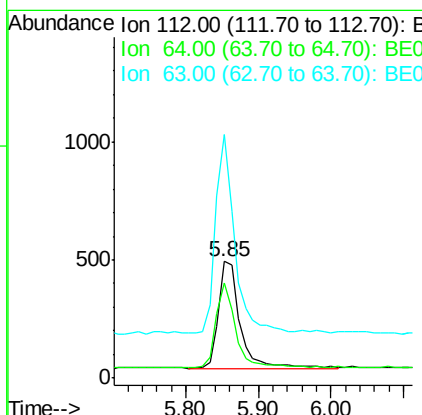
Manual Integrations
APPROVED

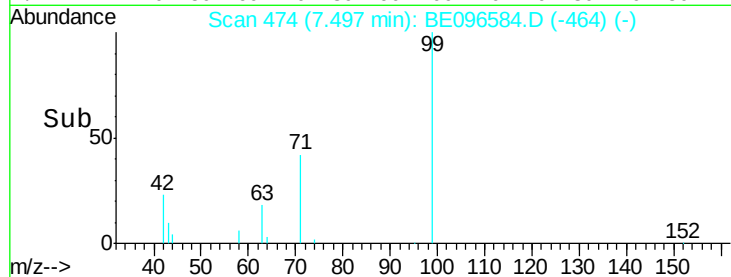
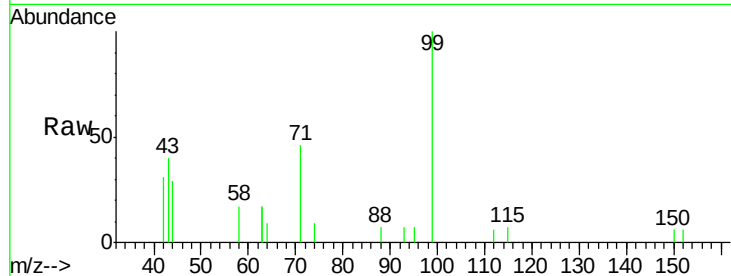
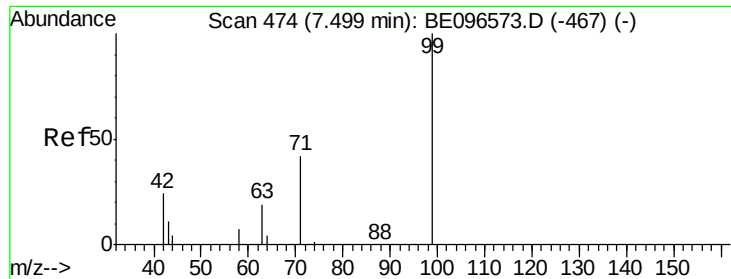
Sohil
5/16/2018 6:42:28 PM



#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.85 min Scan# 306
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	60.1	90.1
63	160.4	116.8	175.2





#5

Phenol-d6

Concen: 0.362 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Tot Ion:	99	Resp:	1155
Ion	Ratio	Lower	Upper
99	100		
42	29.4	20.2	30.2
71	44.4	28.4	42.6

Instrument :

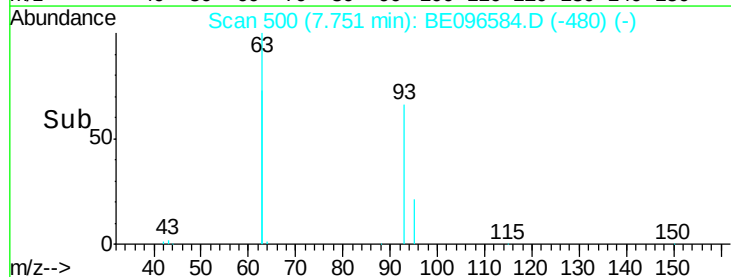
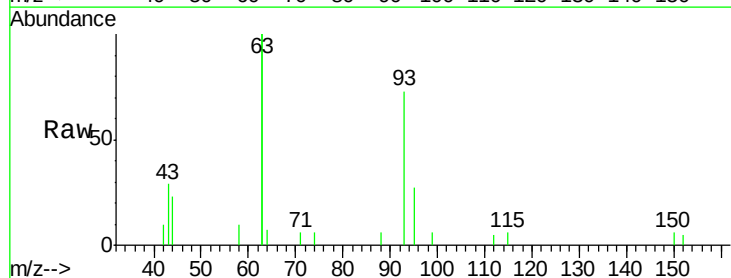
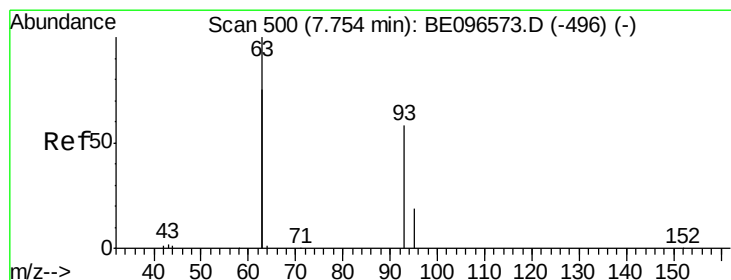
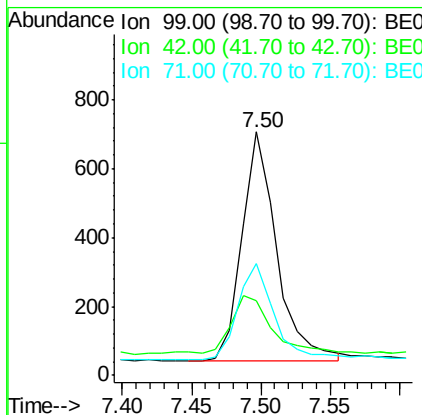
BNA_E

ClientSampleId :

PB108889BS

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.333 ng

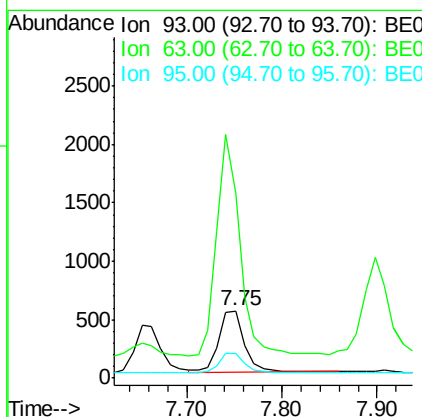
RT: 7.75 min Scan# 500

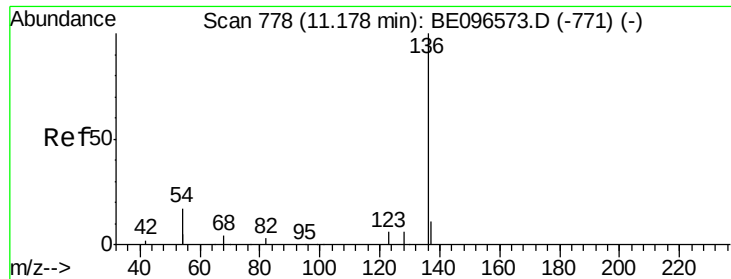
Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Tgt Ion:	93	Resp:	994
Ion	Ratio	Lower	Upper
93	100		
63	325.4	275.3	412.9
95	31.8	25.2	37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.18 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

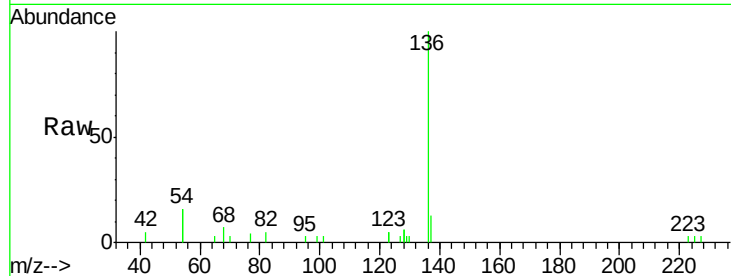
ClientSampled :

PB108889BS

Tot Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.5	14.3
54	32.3	29.1	43.7
68	7.1	6.2	9.2

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM

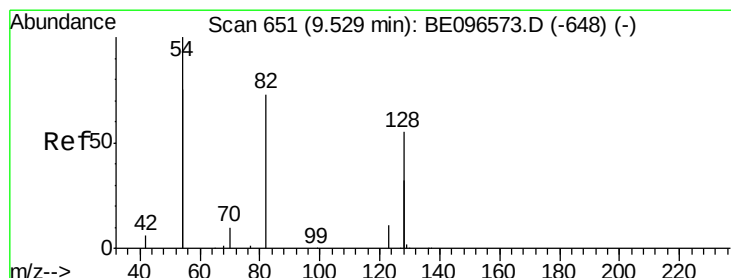
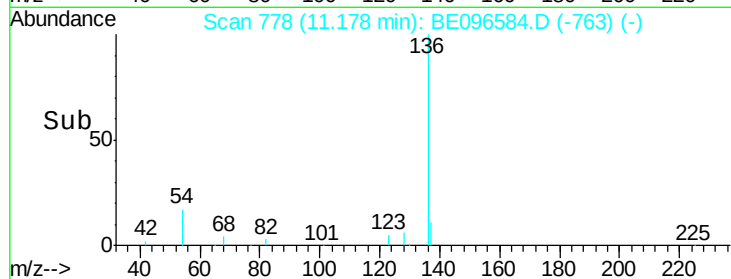
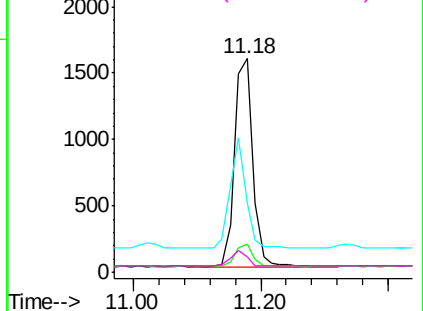


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.346 ng m

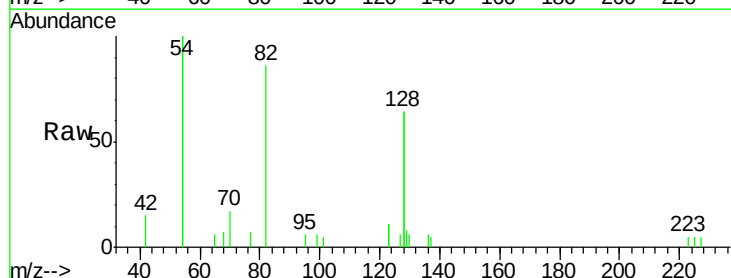
RT: 9.53 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

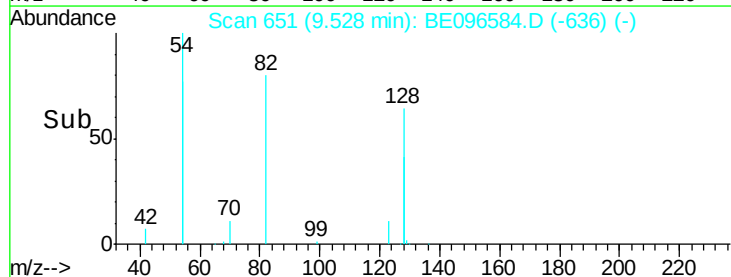
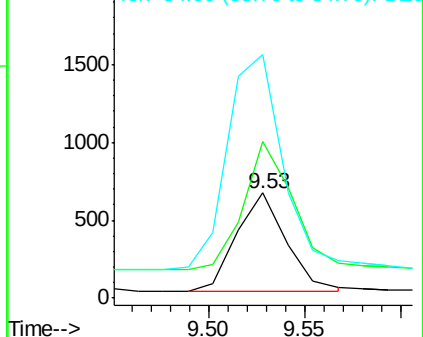
Tgt Ion	Ratio	Lower	Upper
82	100		
128	74.7	150.0	225.0#
54	116.2	154.2	231.4#

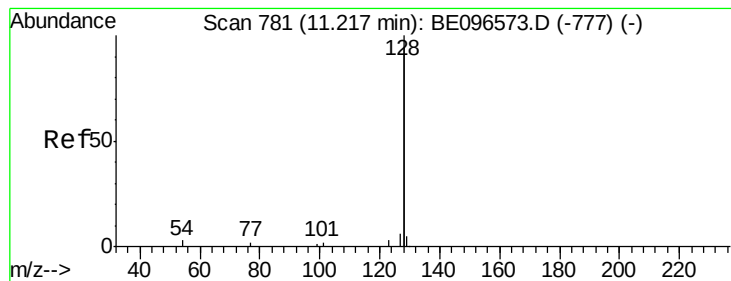


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.352 ng

RT: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

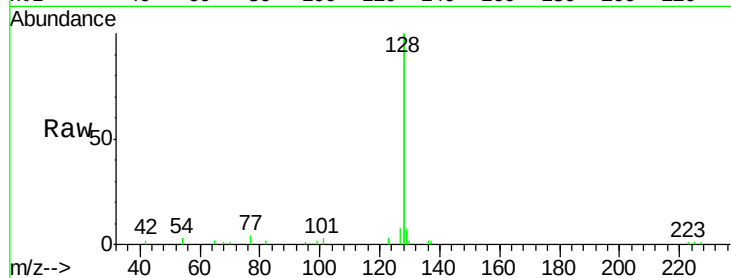
ClientSampleId :

PB108889BS

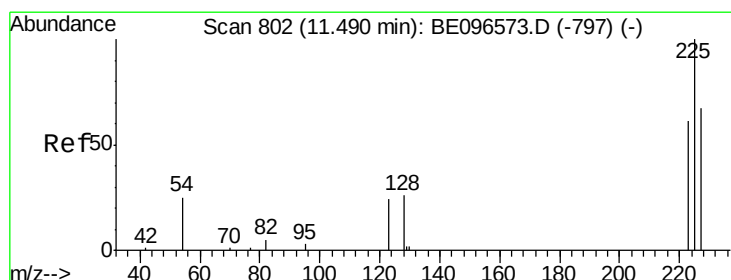
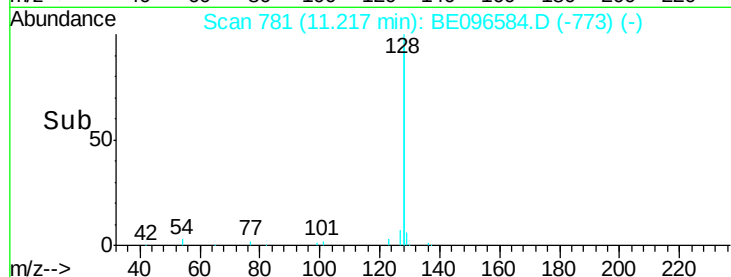
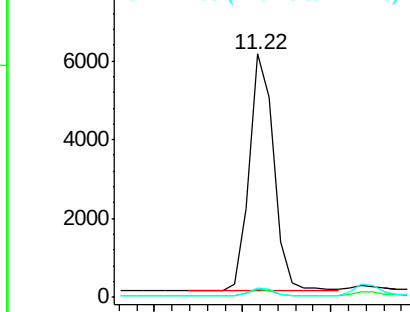
Tot Ion:	128	Resp:	11519
Ion Ratio	Lower	Upper	
128	100		
129	3.6	2.6	3.8
127	4.0	2.8	4.2

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



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: 0.277 ng

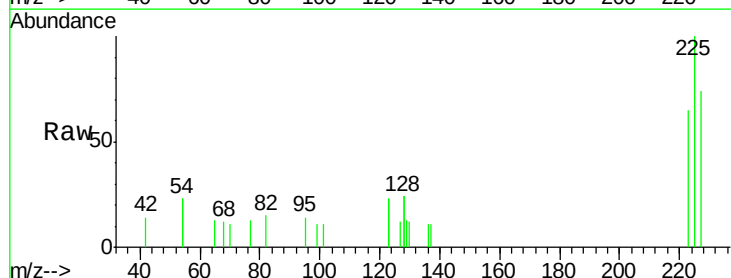
RT: 11.49 min Scan# 802

Delta R.T. -0.00 min

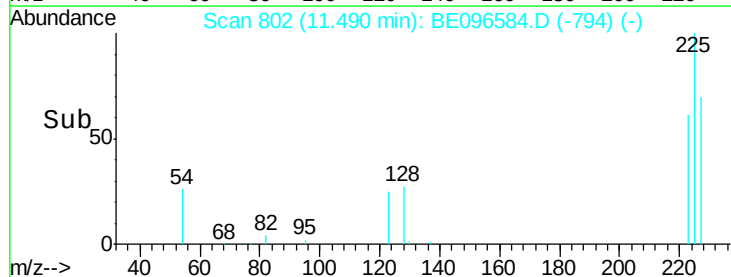
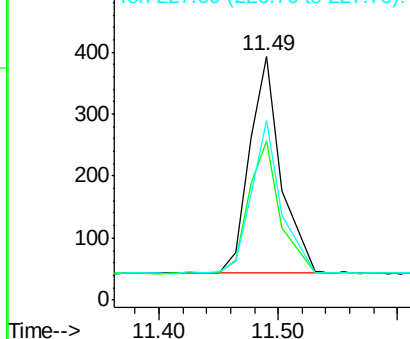
Lab File: BE096584.D

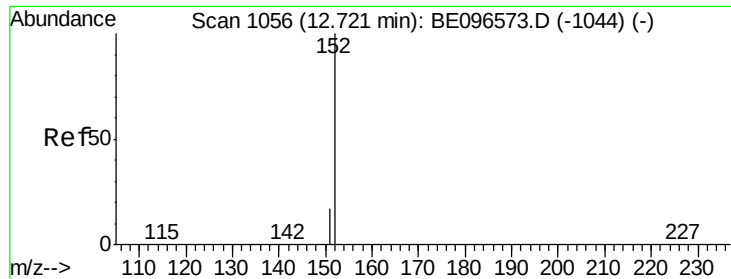
Acq: 15 May 2018 18:48

Tgt Ion:	225	Resp:	508
Ion Ratio	Lower	Upper	
225	100		
223	61.6	53.0	79.6
227	72.4	51.4	77.2



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: 0.322 ng

RT: 12.72 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

ClientSampleId :

PB108889BS

Tot Ion:152 Resp: 1637

Ion Ratio Lower Upper

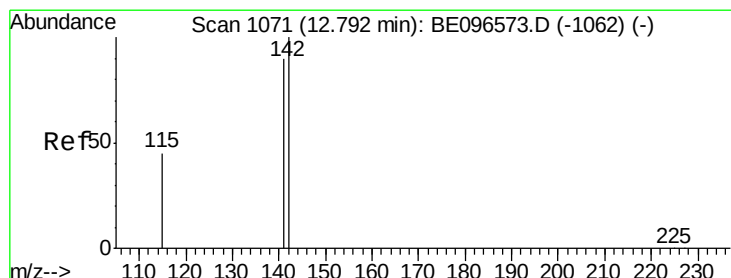
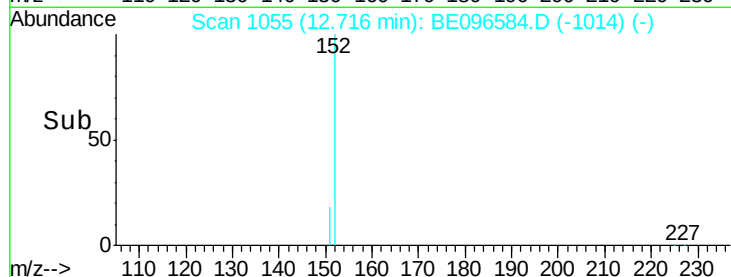
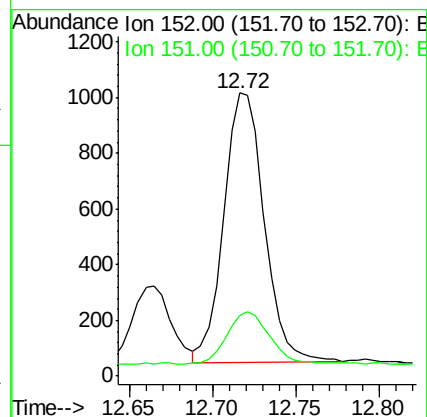
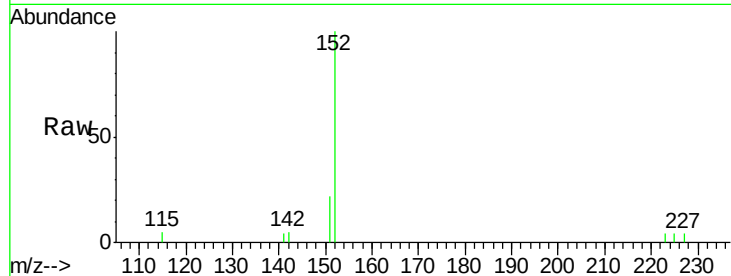
152 100

151 20.6 15.4 23.0

Manual Integrations
APPROVED

Sohil

5/16/2018 6:42:28 PM



#12

2-Methylnaphthalene

Concen: 0.339 ng

RT: 12.79 min Scan# 1070

Delta R.T. -0.01 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

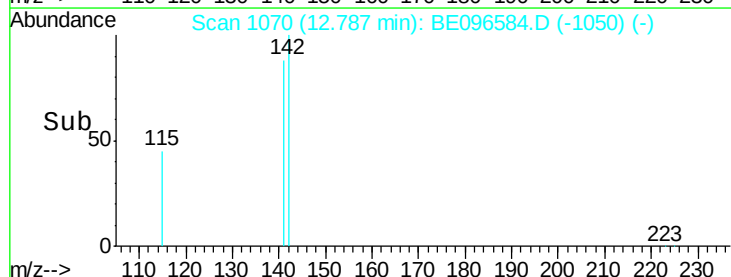
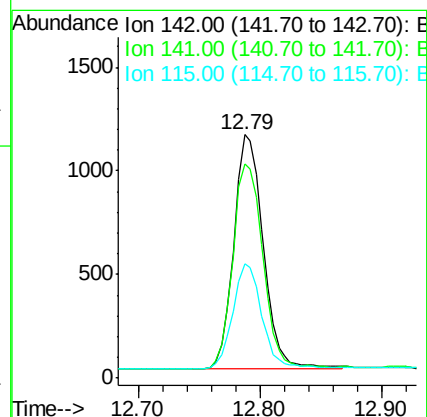
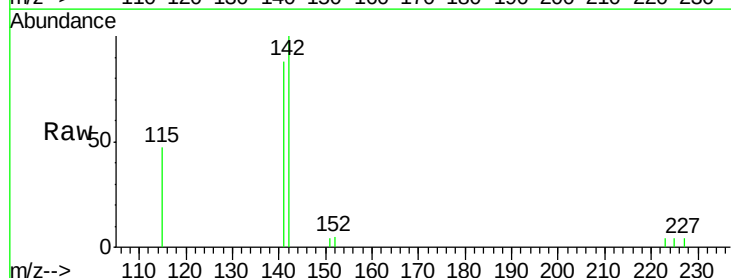
Tgt Ion:142 Resp: 1904

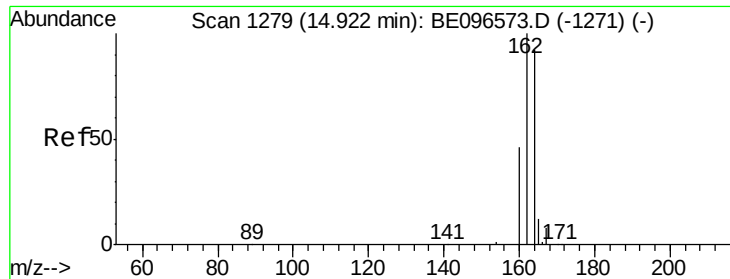
Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6

115 46.7 31.7 47.5





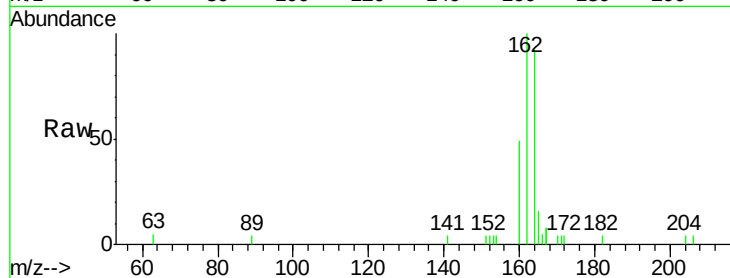
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.92 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampled :
PB108889BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	108.7	83.1	124.7
160	53.1	37.1	55.7

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM

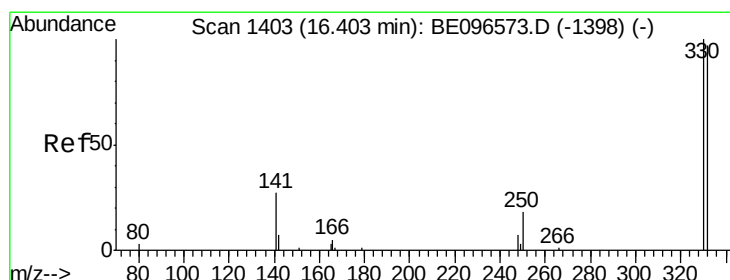
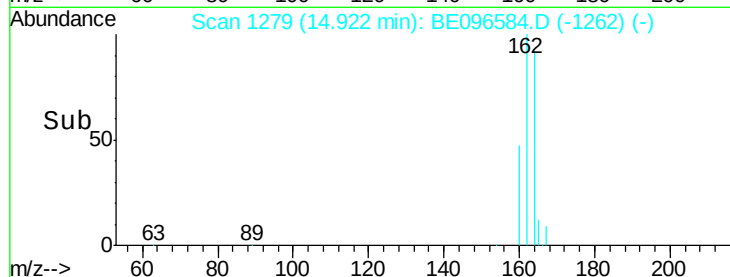
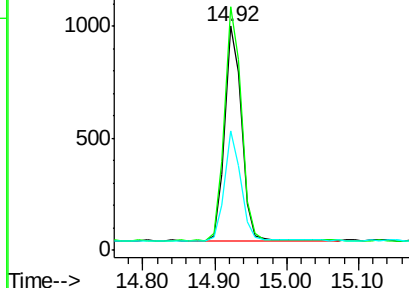


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 16.40 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

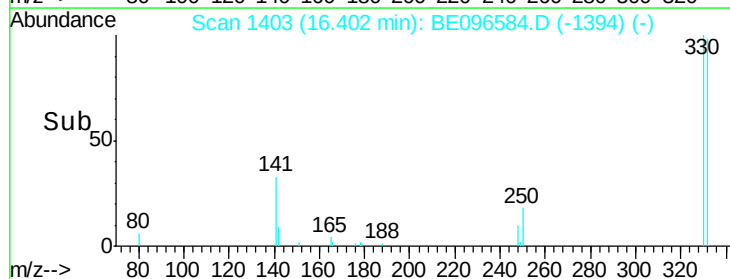
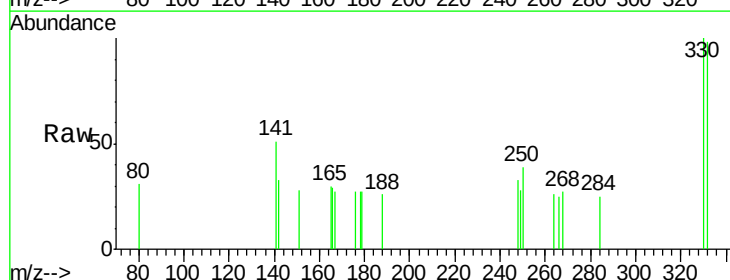
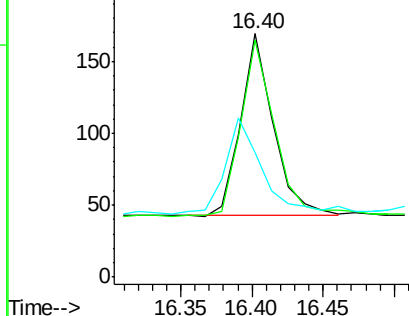
Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.5	152.7	229.1#
141	59.2	33.7	50.5#

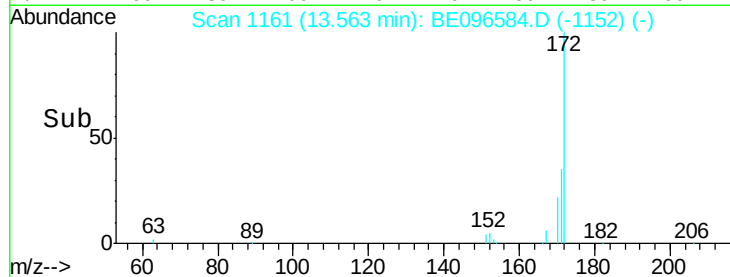
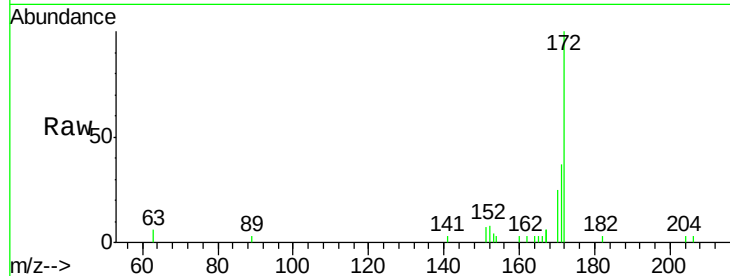
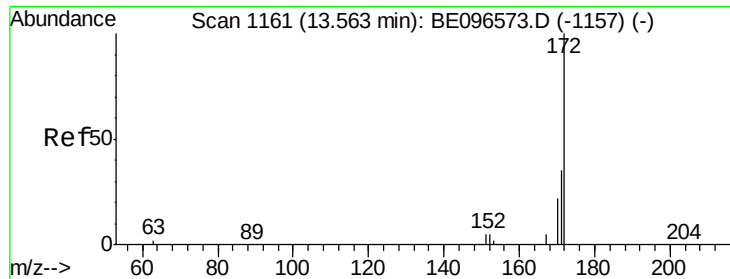
Abundance

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





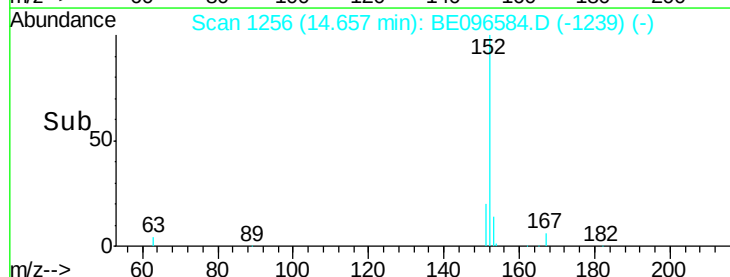
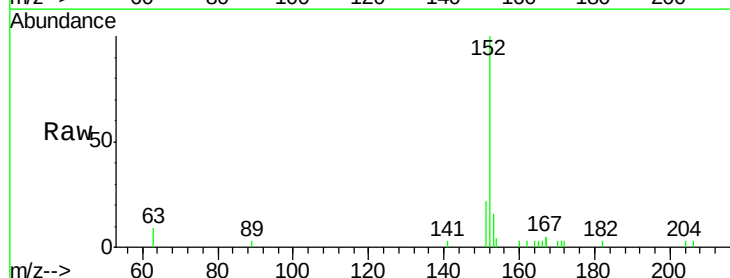
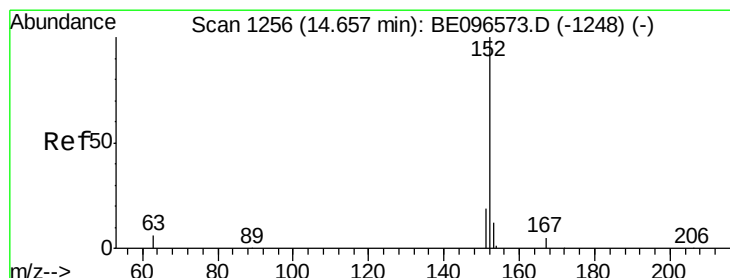
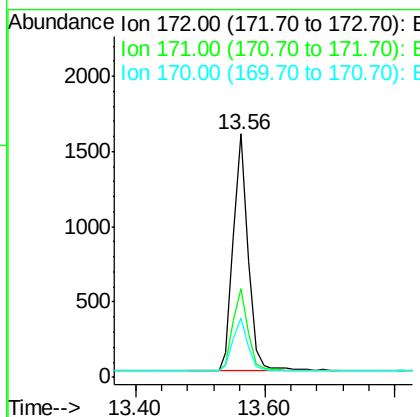
#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :
PB108889BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	24.5	21.8	32.8

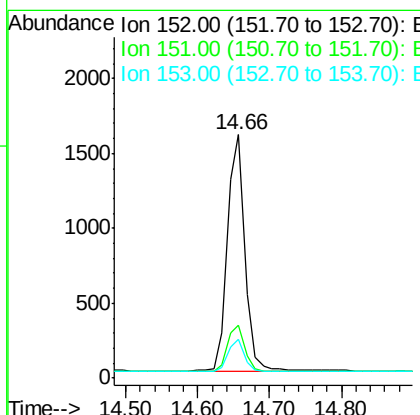
Manual Integrations
APPROVED

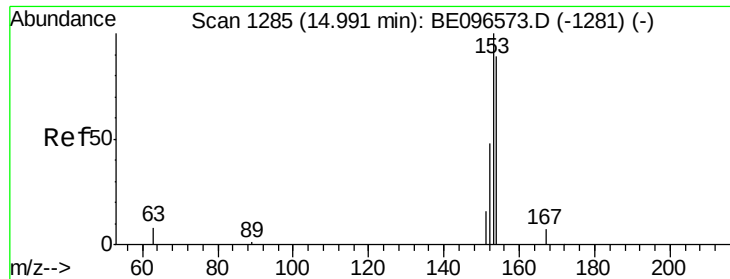
Sohil
5/16/2018 6:42:28 PM



#16
Acenaphthylene
Concen: 0.327 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	13.0	10.5	15.7





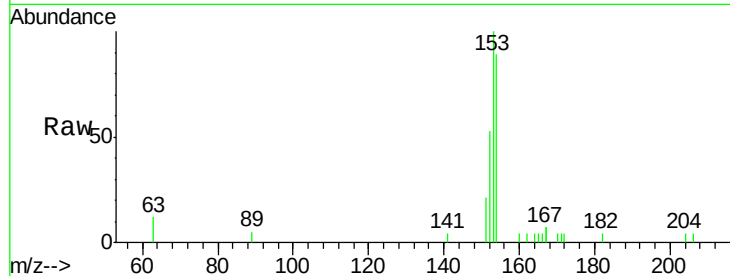
#17
Acenaphthene
Concen: 0.325 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :
PB108889BS

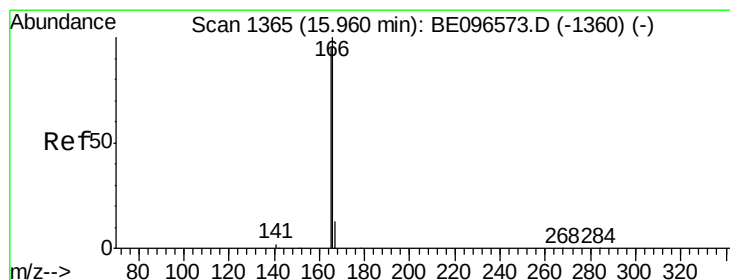
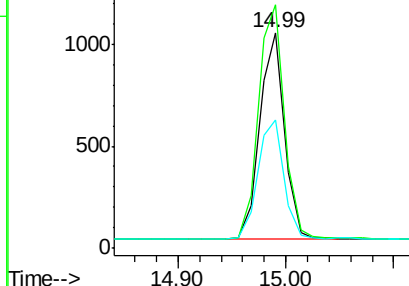
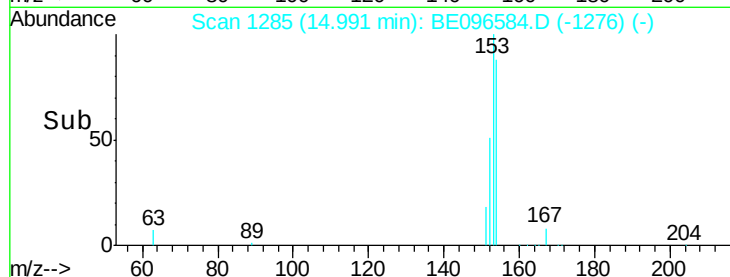
Tot Ion	Ratio	Lower	Upper
154	100		
153	119.4	89.2	133.8
152	61.1	42.0	63.0

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM

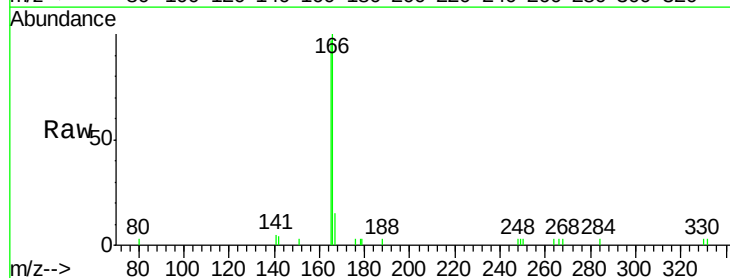


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

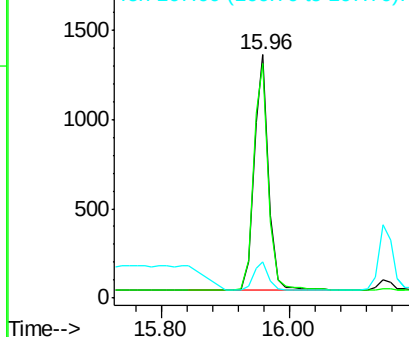
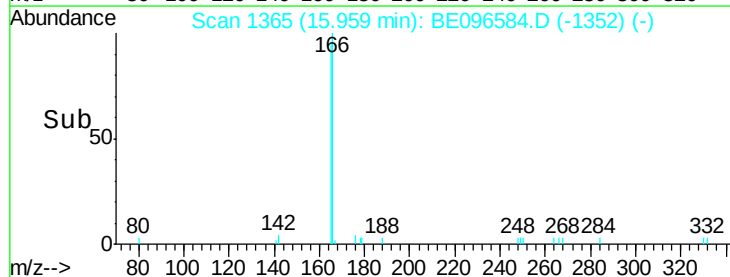


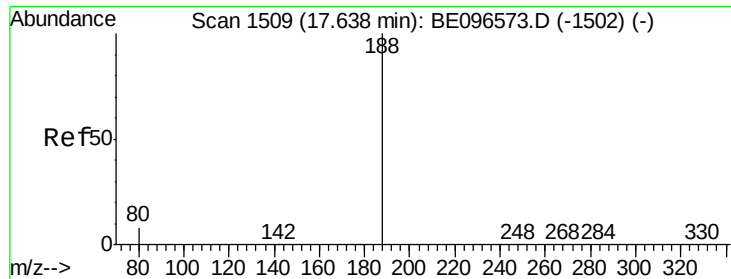
#18
Fluorene
Concen: 0.420 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.8	116.6
167	10.2	42.4	63.6#



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: 17.64 min Scan# 1509

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

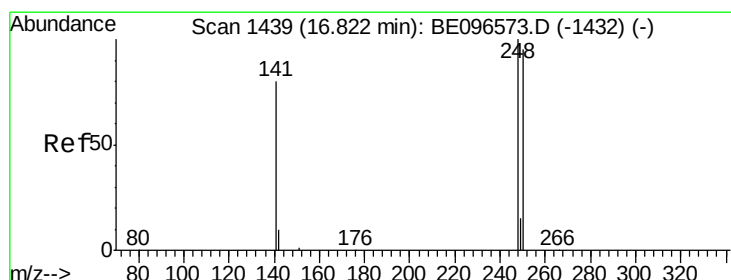
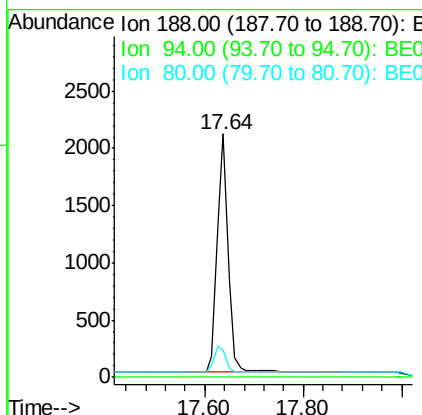
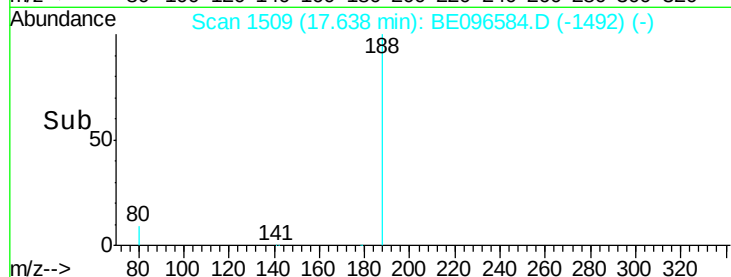
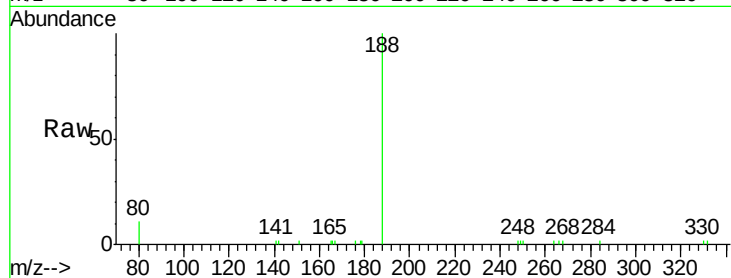
ClientSampled :

PB108889BS

Tot Ion:	188	Resp:	3212
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	11.0	3.6	5.4#

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



#20

4-Bromophenyl-phenylether

Concen: 0.322 ng

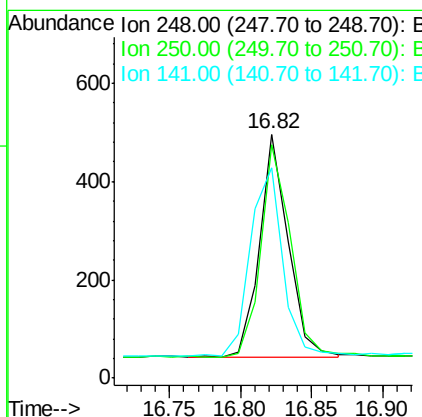
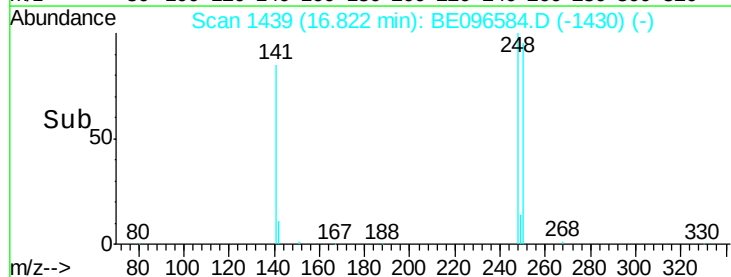
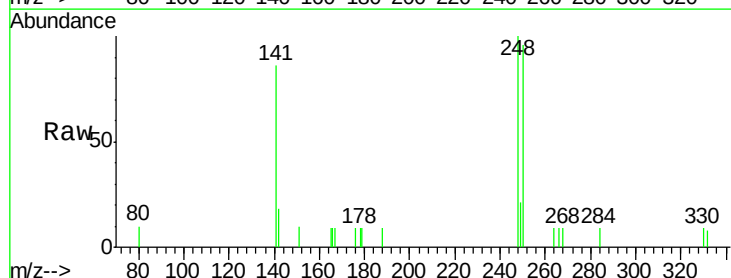
RT: 16.82 min Scan# 1439

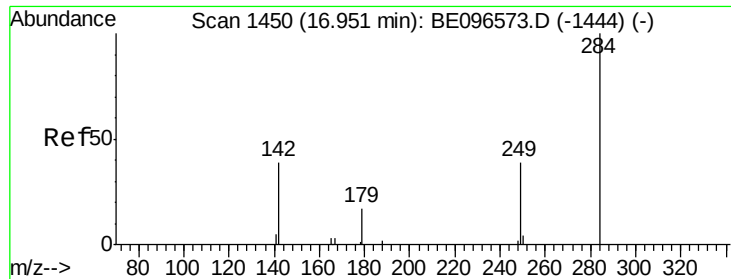
Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Tgt Ion:	248	Resp:	628
Ion Ratio	Lower	Upper	
248	100		
250	95.8	62.7	94.1#
141	86.5	48.2	72.2#





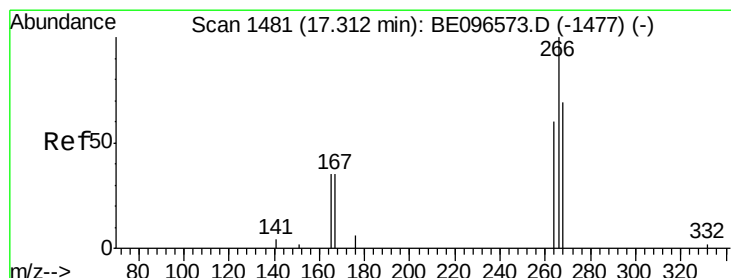
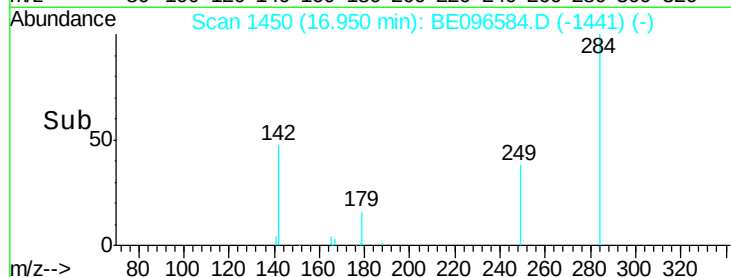
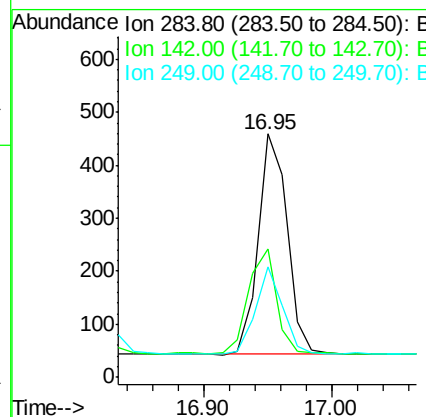
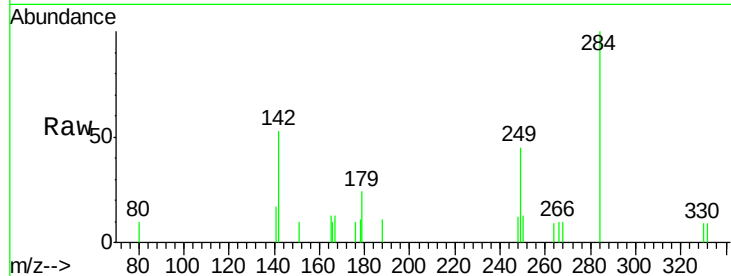
#21
Hexachlorobenzene
Concen: 0.322 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :
PB108889BS

Tot Ion	Ratio	Lower	Upper
284	100		
142	45.7	22.1	33.1#
249	37.0	34.8	52.2

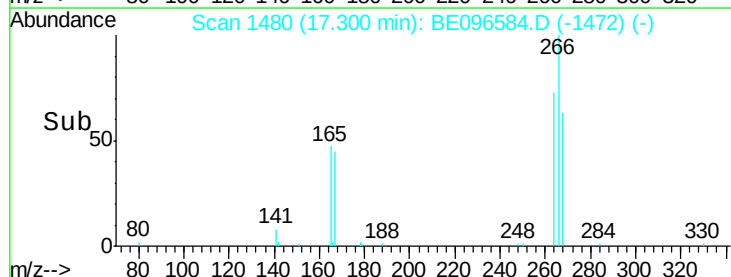
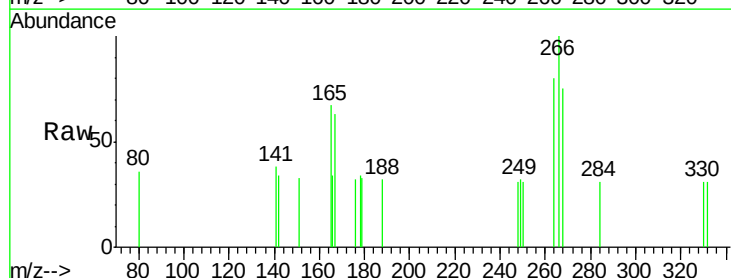
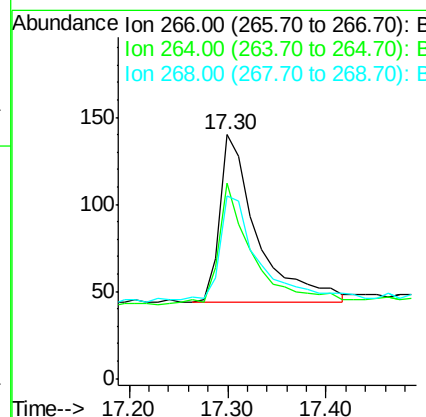
Manual Integrations
APPROVED

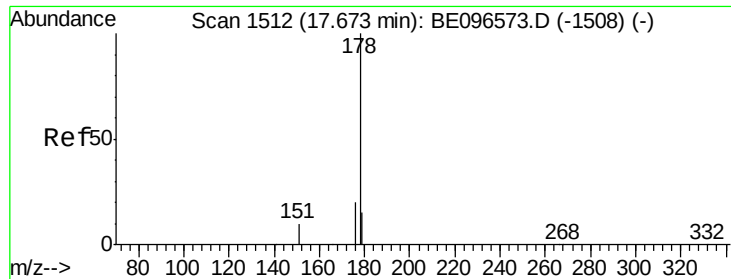
Sohil
5/16/2018 6:42:28 PM



#22
Pentachlorophenol
Concen: 0.569 ng
RT: 17.30 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
266	100		
264	80.0	72.5	108.7
268	75.0	73.8	110.6





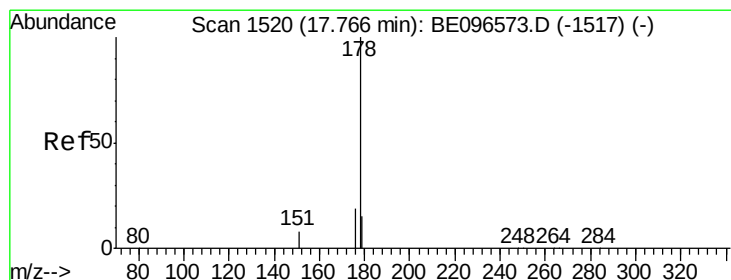
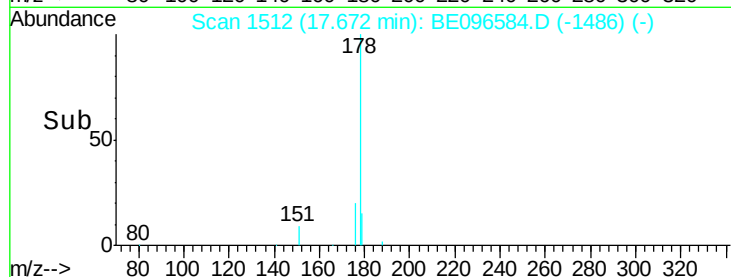
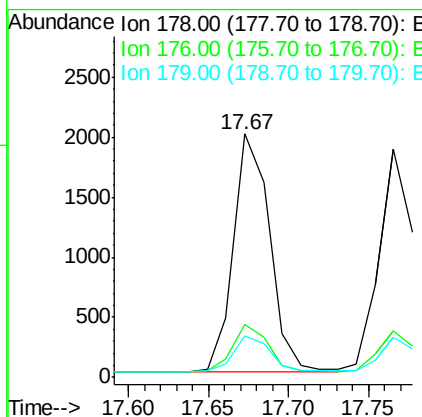
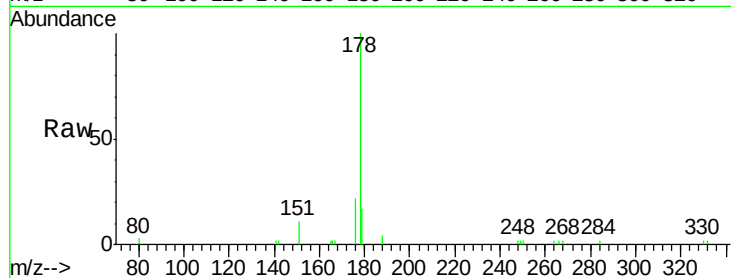
#23
Phenanthrene
Concen: 0.344 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampled :
PB108889BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.1	11.8	17.6

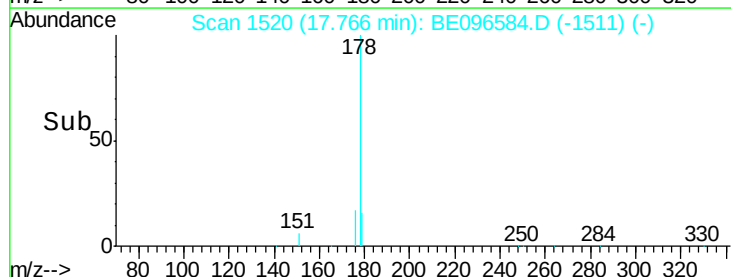
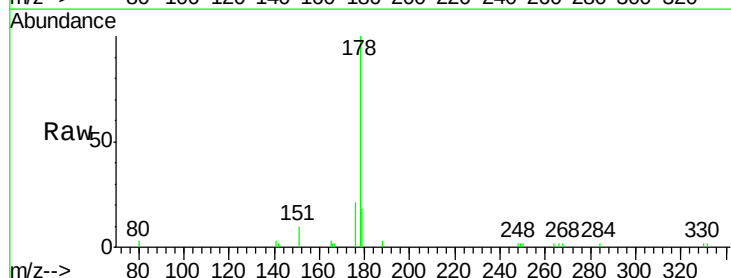
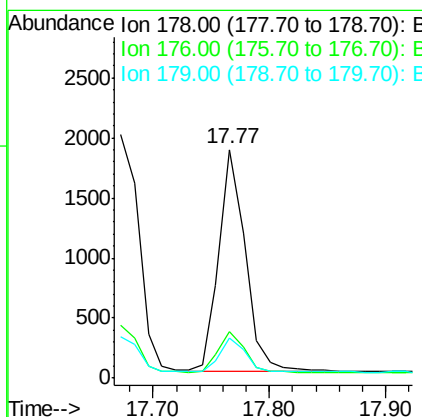
Manual Integrations
APPROVED

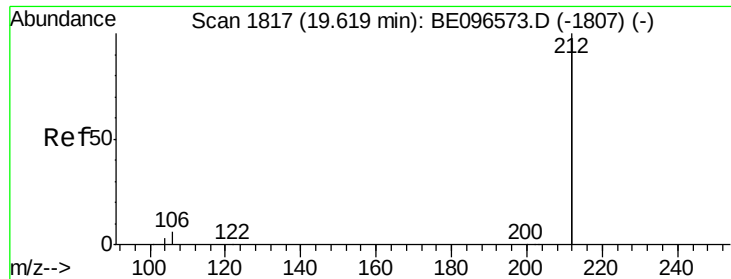
Sohil
5/16/2018 6:42:28 PM



#24
Anthracene
Concen: 0.344 ng
RT: 17.77 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	14.9	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.349 ng

RT: 19.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

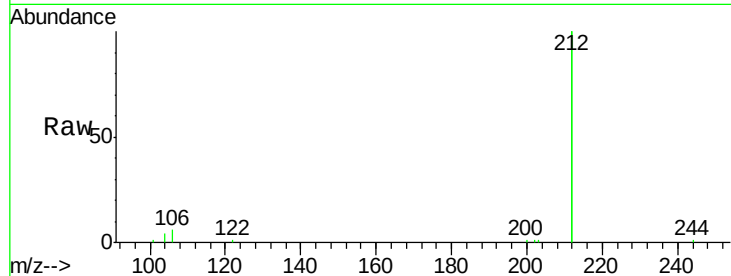
ClientSampleId :

PB108889BS

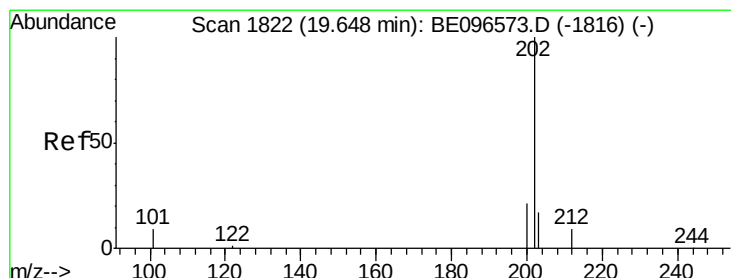
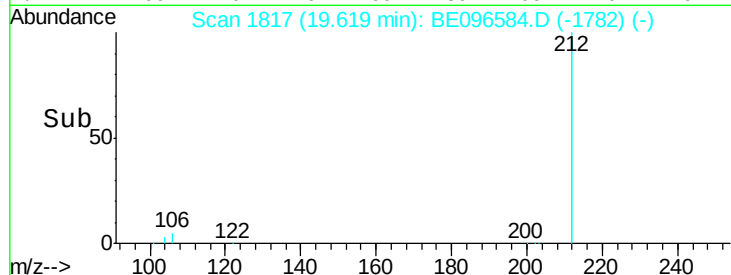
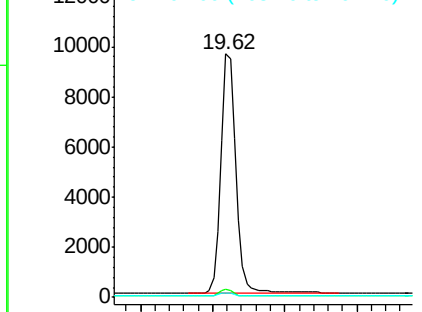
Tot Ion:	212	Resp:	13722
Ion Ratio	Lower	Upper	
212	100		
106	2.7	2.8	4.2#
104	1.5	1.6	2.4#

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



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



#26

Fluoranthene

Concen: 0.346 ng

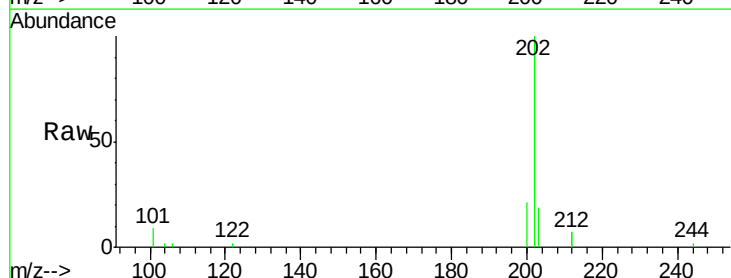
RT: 19.65 min Scan# 1823

Delta R.T. 0.01 min

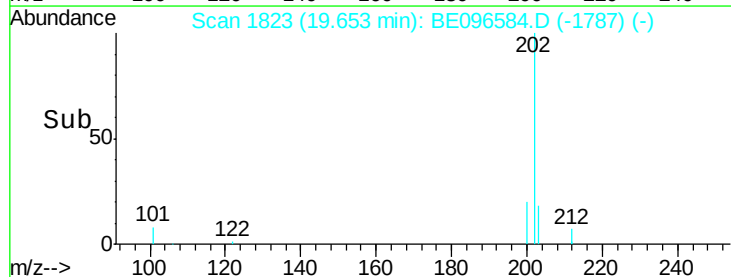
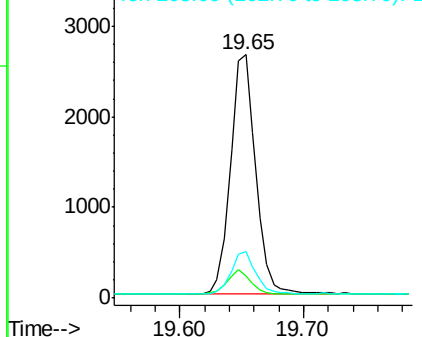
Lab File: BE096584.D

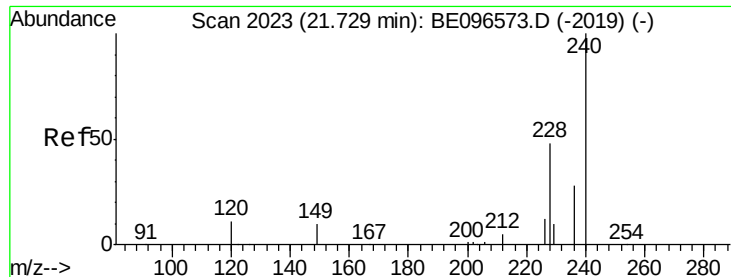
Acq: 15 May 2018 18:48

Tgt Ion:	202	Resp:	3730
Ion Ratio	Lower	Upper	
202	100		
101	9.7	9.8	14.8#
203	16.7	13.7	20.5



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





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

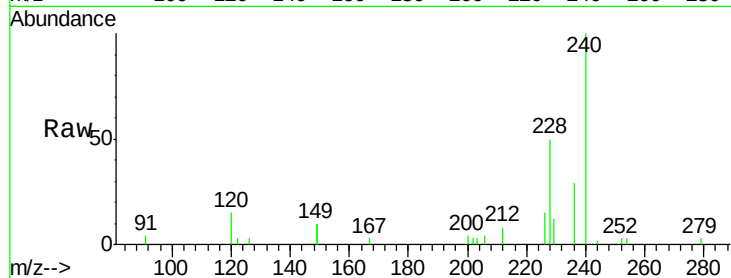
ClientSampleId :

PB108889BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.5	8.3#
236	29.3	20.7	31.1

Manual Integrations
APPROVED

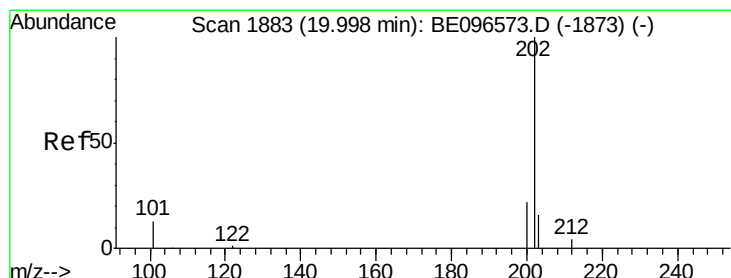
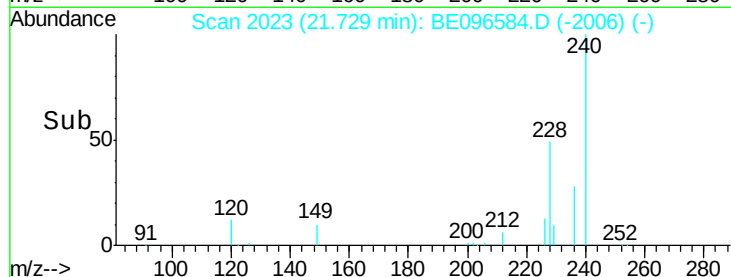
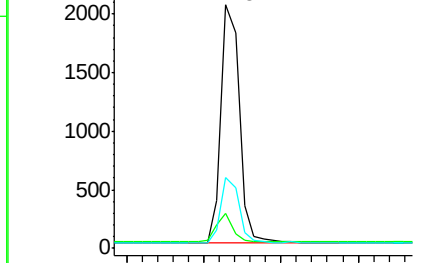
Sohil
5/16/2018 6:42:28 PM



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: 0.275 ng

RT: 20.00 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BE096584.D

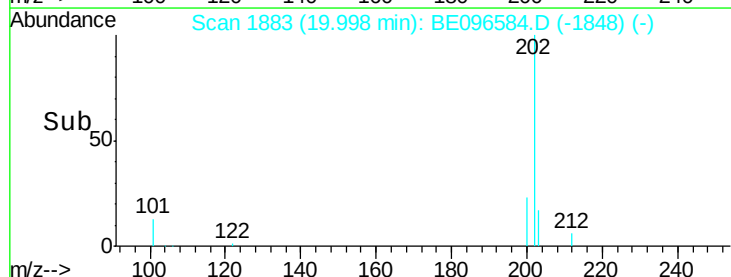
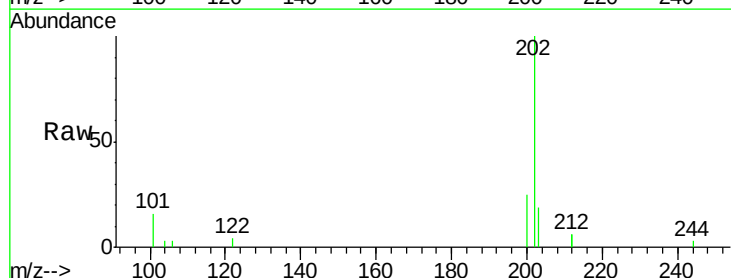
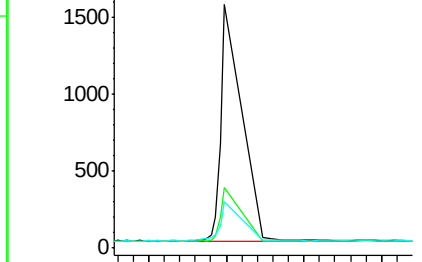
Acq: 15 May 2018 18:48

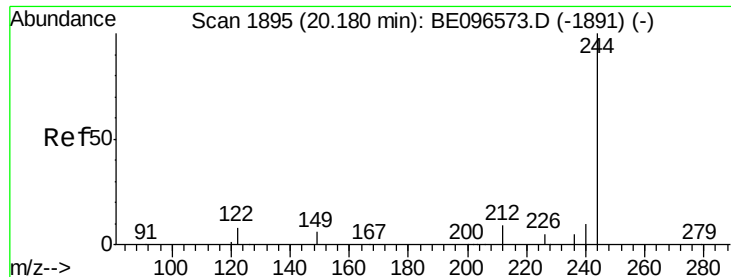
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.7	16.6	25.0
203	18.1	13.8	20.8

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: 0.333 ng

RT: 20.18 min Scan# 1895

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

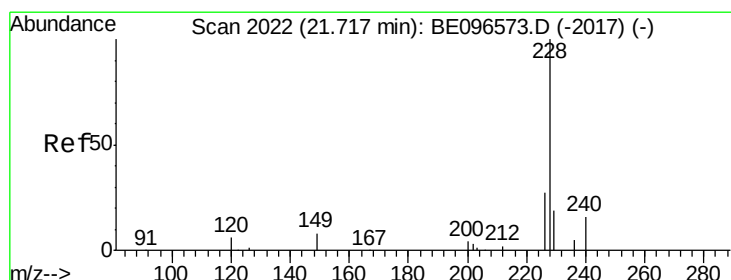
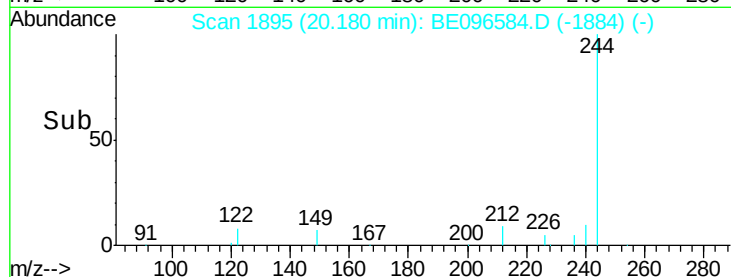
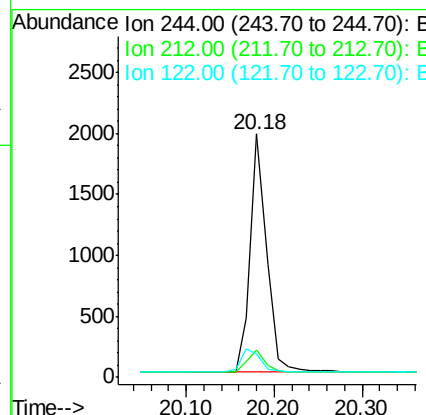
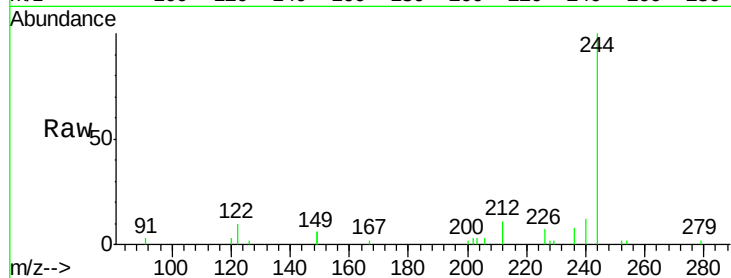
ClientSampled :

PB108889BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	11.2	25.4	38.0#
122	9.8	8.1	12.1

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



#30

Benzo(a)anthracene

Concen: 0.361 ng

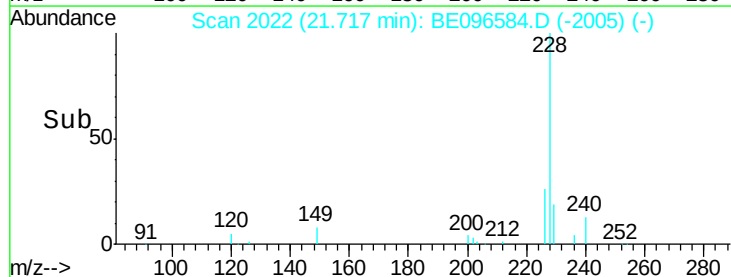
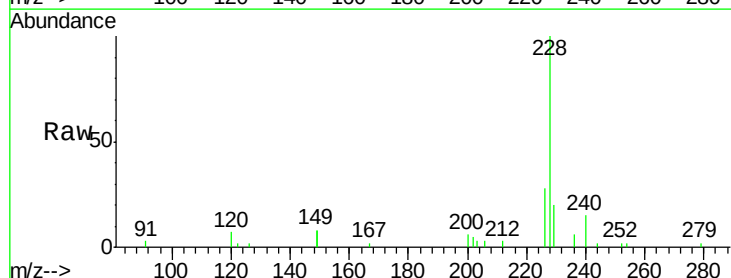
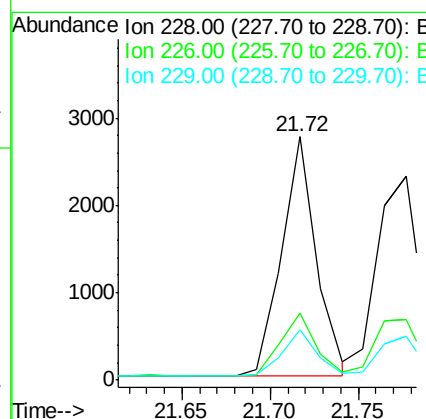
RT: 21.72 min Scan# 2022

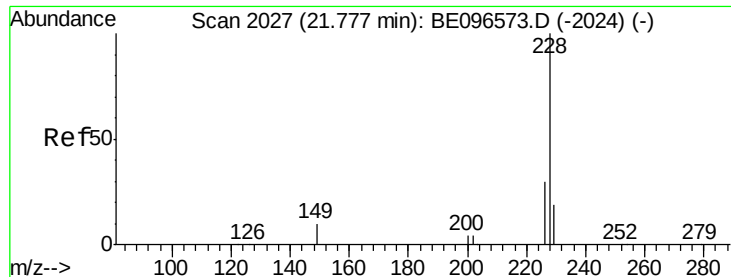
Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.0	36.0
229	20.4	16.0	24.0





#31

Chrysene

Concen: 0.347 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

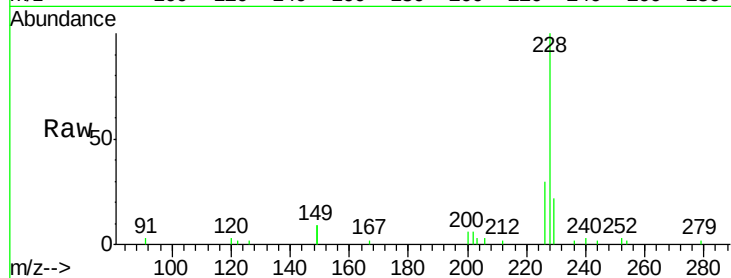
ClientSampled :

PB108889BS

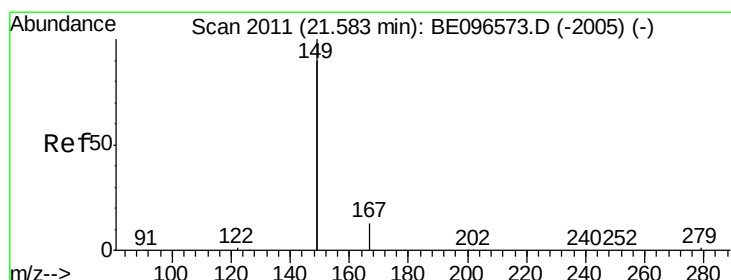
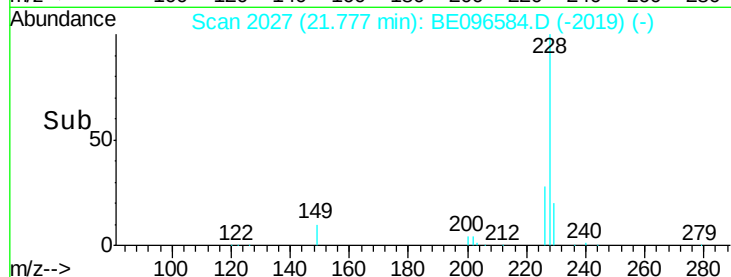
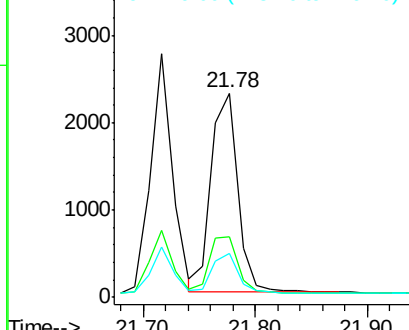
Tot Ion:	228	Resp:	3755
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.8	16.0	24.0

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



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: 0.322 ng

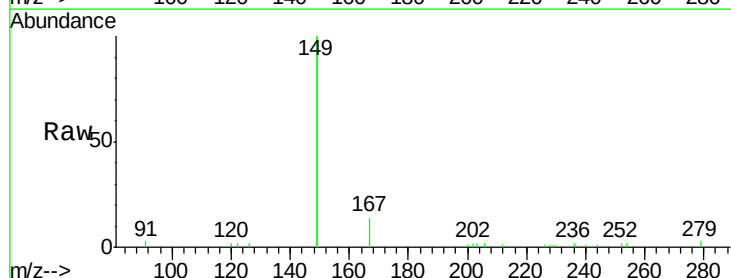
RT: 21.58 min Scan# 2011

Delta R.T. -0.00 min

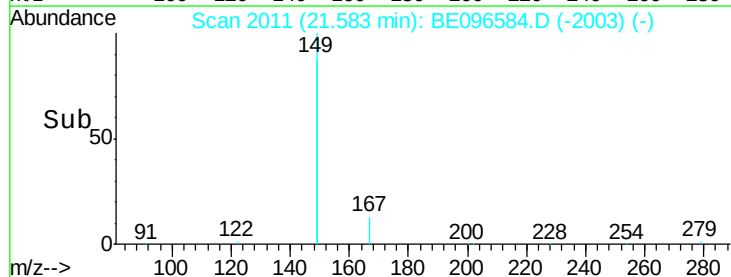
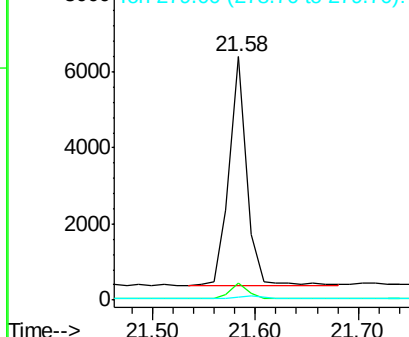
Lab File: BE096584.D

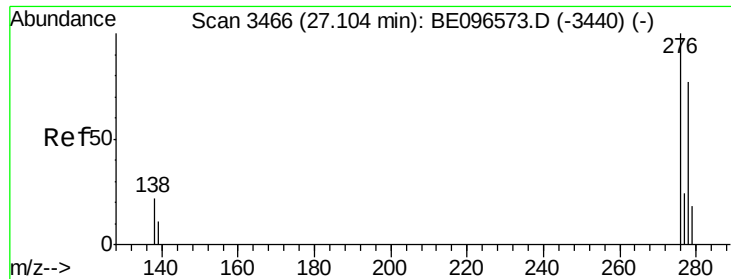
Acq: 15 May 2018 18:48

Tgt Ion:	149	Resp:	7148
Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.0	0.7	1.1



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





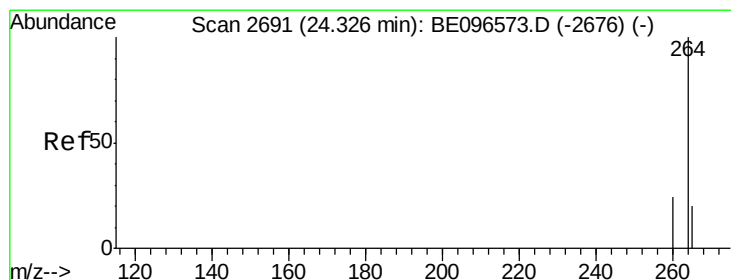
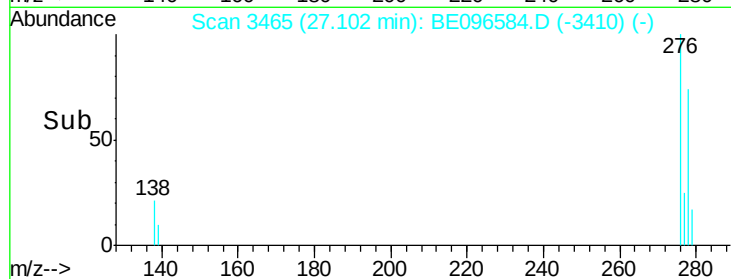
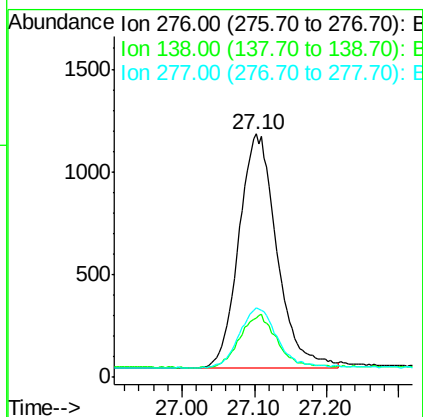
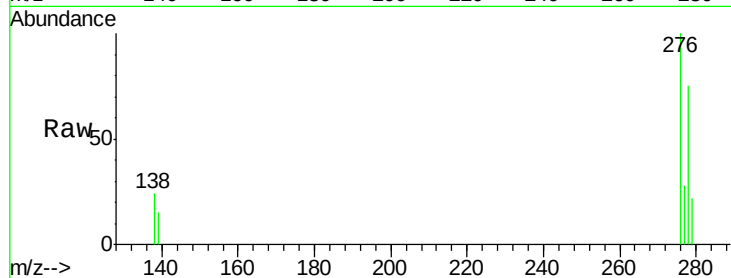
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.393 ng
RT: 27.10 min Scan# 3465
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :
PB108889BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	22.5	33.7#
277	25.6	19.9	29.9

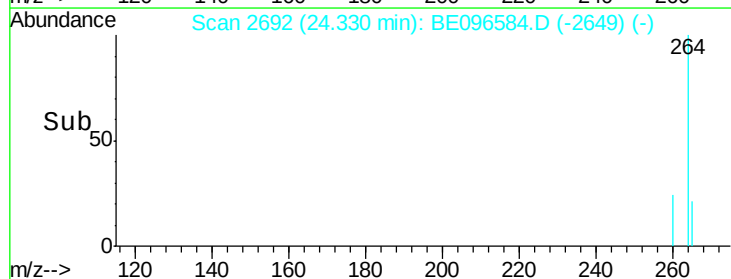
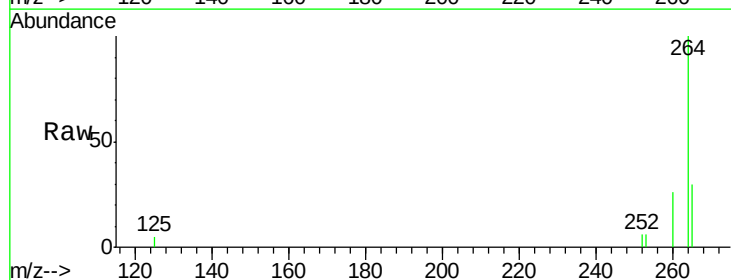
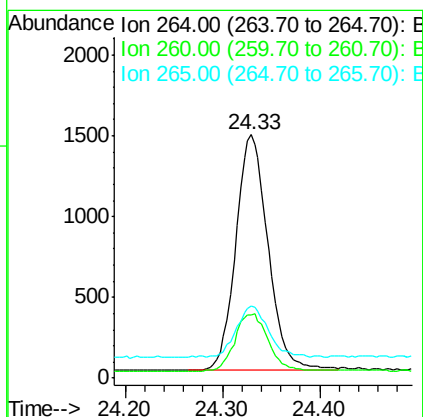
Manual Integrations
APPROVED

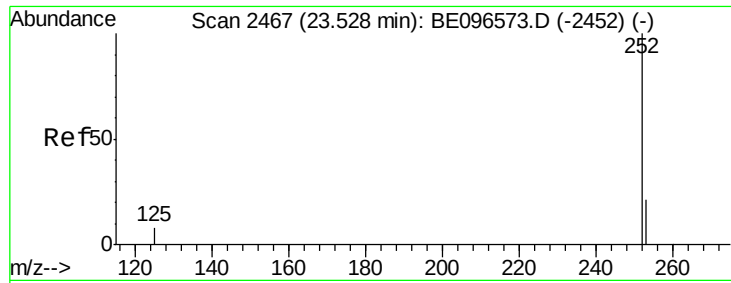
Sohil
5/16/2018 6:42:28 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.33 min Scan# 2692
Delta R.T. 0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	29.6	22.8	34.2





#35

Benzo(b)fluoranthene

Concen: 0.358 ng

RT: 23.52 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

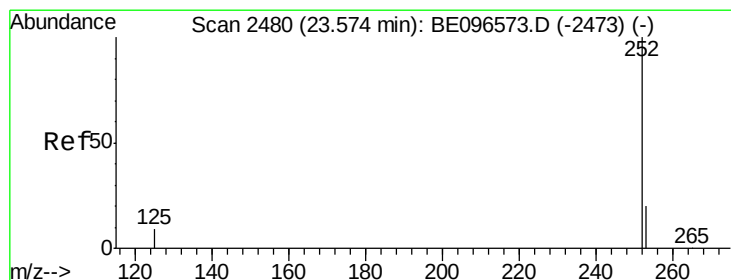
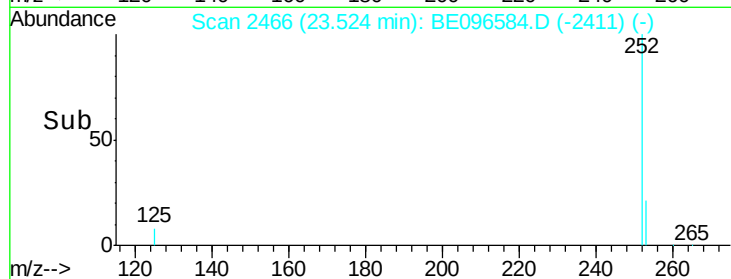
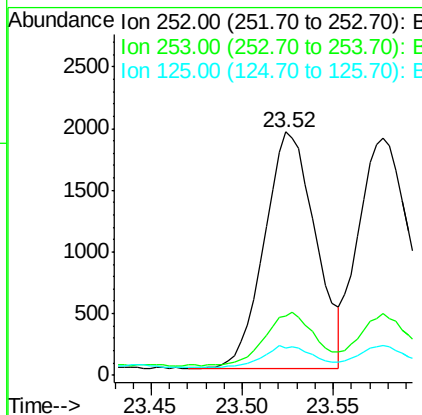
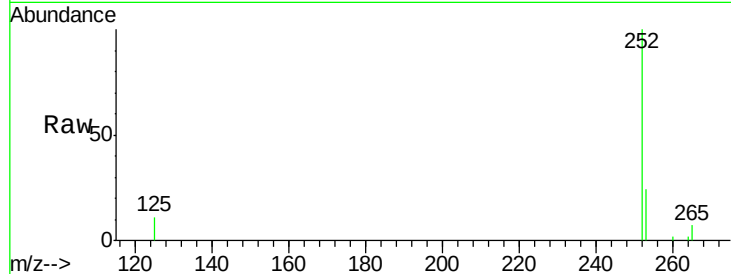
ClientSampleId :

PB108889BS

Tot Ion:	252	Resp:	3727
Ion Ratio	Lower	Upper	
252	100		
253	24.4	20.0	30.0
125	11.4	16.0	24.0#

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



#36

Benzo(k)fluoranthene

Concen: 0.343 ng

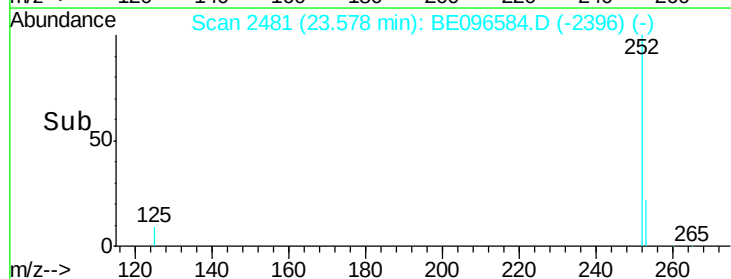
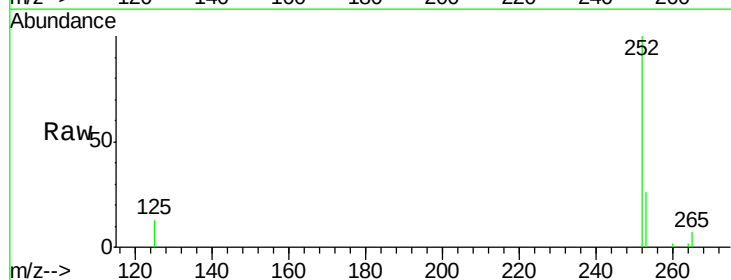
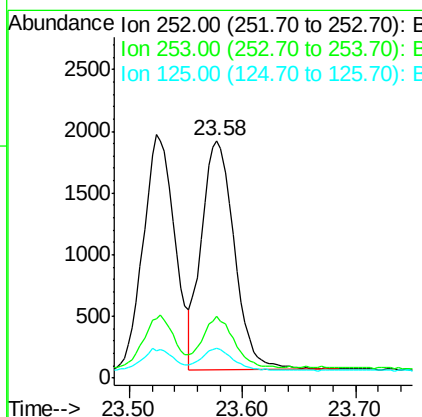
RT: 23.58 min Scan# 2481

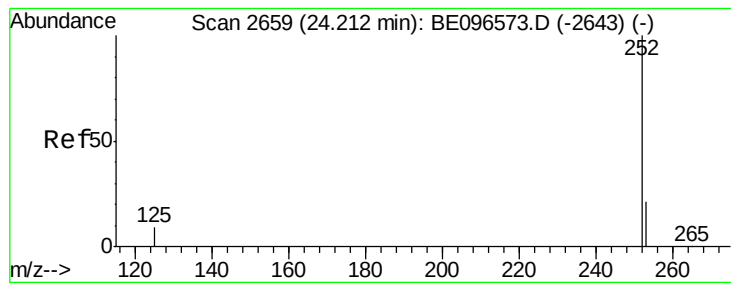
Delta R.T. 0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Tgt Ion:	252	Resp:	3776
Ion Ratio	Lower	Upper	
252	100		
253	25.8	16.0	24.0#
125	12.6	8.0	12.0#





#37

Benzo(a)pyrene

Concen: 0.358 ng

RT: 24.21 min Scan# 2659

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

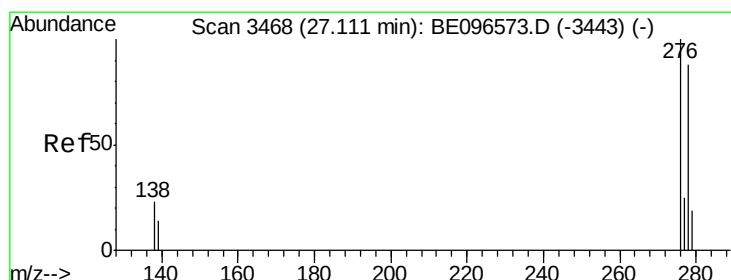
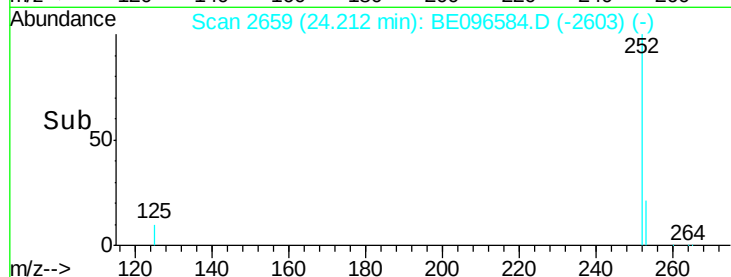
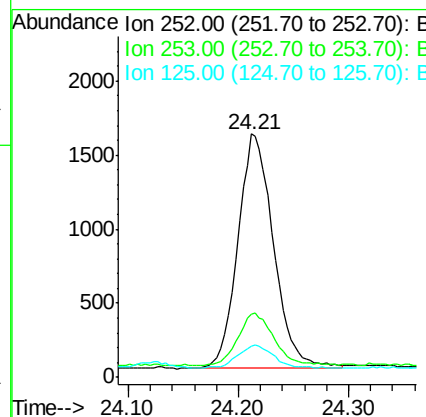
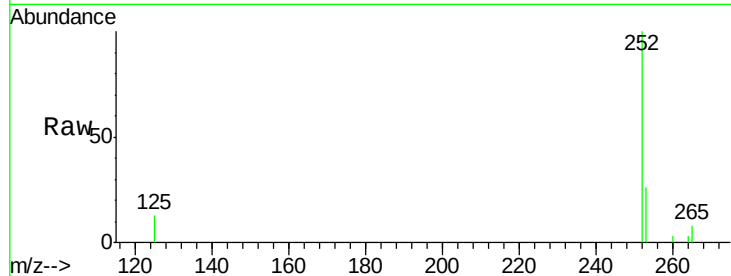
ClientSampleId :

PB108889BS

Tot Ion:	252	Resp:	3561
Ion Ratio	Lower	Upper	
252	100		
253	25.7	16.0	24.0#
125	13.0	12.0	18.0

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



#38

Dibenzo(a,h)anthracene

Concen: 0.370 ng

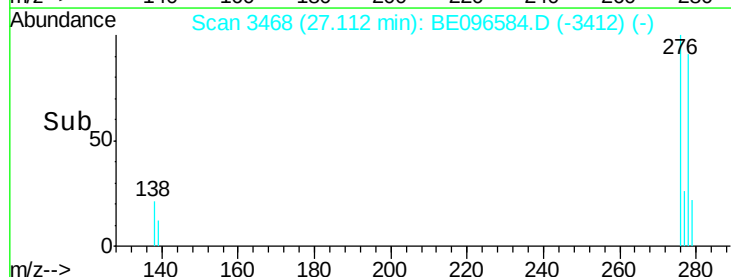
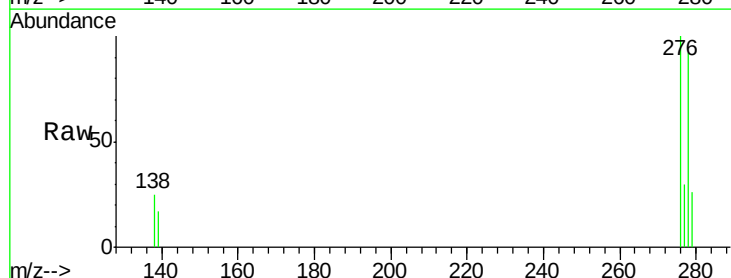
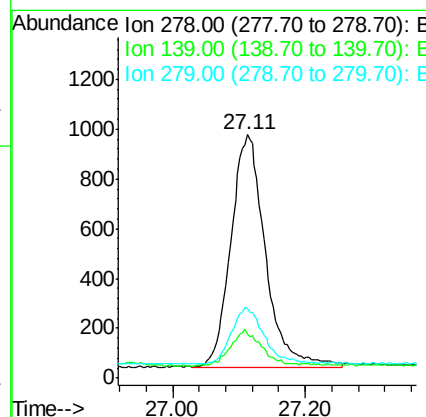
RT: 27.11 min Scan# 3468

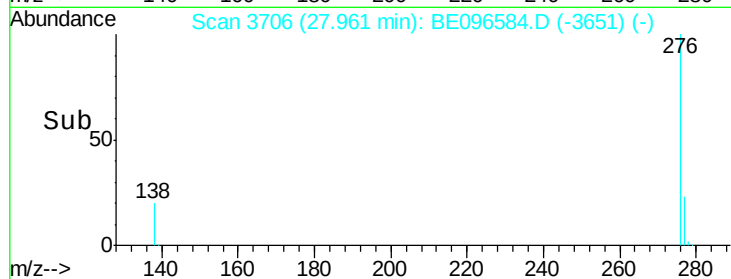
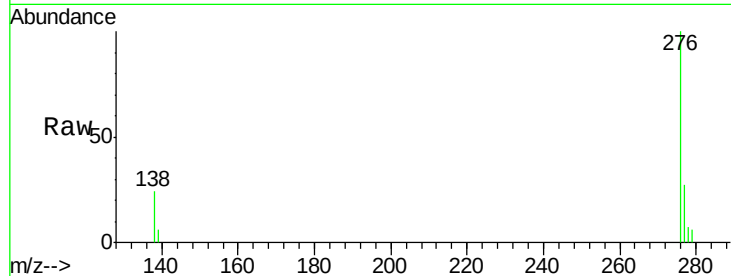
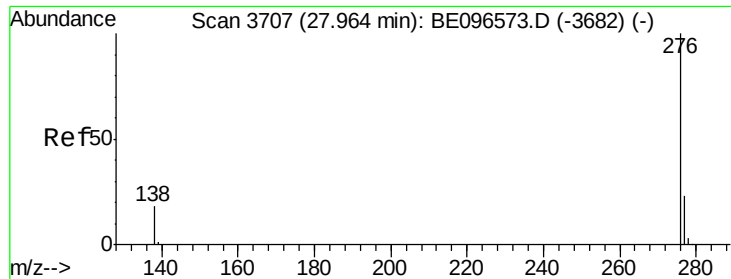
Delta R.T. 0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Tgt Ion:	278	Resp:	3363
Ion Ratio	Lower	Upper	
278	100		
139	18.3	16.0	24.0
279	28.6	20.0	30.0





#39

Benzo(a,h,i)perylene

Concen: 0.368 ng

RT: 27.96 min Scan# 3706

Delta R.T. -0.00 min

Lab File: BE096584.D

Acq: 15 May 2018 18:48

Instrument :

BNA_E

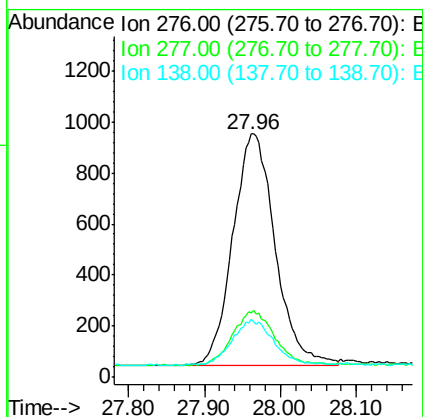
ClientSampleId :

PB108889BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	16.0	24.0
138	24.0	20.0	30.0

Manual Integrations
APPROVED

Sohil
5/16/2018 6:42:28 PM



Data Path : Z:\HPCHEM1\BNA E\DATA\BE051518\
 Data File : BE096584.D
 Acq On : 15 May 2018 18:48
 Operator : SJ/JU
 Sample : PB108889BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB108889BS

Manual Integrations
 APPROVED

Sohil
 5/16/2018 6:42:28 PM

Quant Time: May 16 06:05:14 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 15 13:02:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	817	0.40	ng	0.00
7) Naphthalene-d8	11.18	136	3115	0.40	ng	0.00
13) Acenaphthene-d10	14.92	164	1562	0.40	ng	0.00
19) Phenanthrene-d10	17.64	188	3212	0.40	ng	0.00
27) Chrysene-d12	21.73	240	3378	0.40	ng	0.00
34) Perylene-d12	24.33	264	3374	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.85	112	922	0.41	ng	0.00
5) Phenol-d6	7.50	99	1155	0.36	ng	0.00
8) Nitrobenzene-d5	9.53	82	1146m	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	1637	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.40	330	201	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.56	172	2494	0.37	ng	0.00
25) Fluoranthene-d10	19.62	212	13722	0.35	ng	0.00
29) Terphenyl-d14	20.18	244	2544	0.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.60	88	355	0.290	ng	# 72
3) n-Nitrosodimethylamine	3.95	42	633	0.413	ng	# 70
6) bis(2-Chloroethyl)ether	7.75	93	994	0.333	ng	92
9) Naphthalene	11.22	128	11519	0.352	ng	99
10) Hexachlorobutadiene	11.49	225	508	0.277	ng	92
12) 2-Methylnaphthalene	12.79	142	1904	0.339	ng	96
16) Acenaphthylene	14.66	152	2665	0.327	ng	99
17) Acenaphthene	14.99	154	1615	0.325	ng	91
18) Fluorene	15.96	166	2598	0.420	ng	# 78
20) 4-Bromophenyl-phenylether	16.82	248	628	0.322	ng	# 74
21) Hexachlorobenzene	16.95	284	654	0.322	ng	# 80
22) Pentachlorophenol	17.30	266	253	0.569	ng	85
23) Phenanthrene	17.67	178	3103	0.344	ng	99
24) Anthracene	17.77	178	2885	0.344	ng	95
26) Fluoranthene	19.65	202	3730	0.346	ng	# 97
28) Pyrene	20.00	202	1678	0.275	ng	97
30) Benzo(a)anthracene	21.72	228	3750	0.361	ng	97
31) Chrysene	21.78	228	3755	0.347	ng	98
32) Bis(2-ethylhexyl)phthalate	21.58	149	7148	0.322	ng	100
33) Indeno(1,2,3-cd)pyrene	27.10	276	4075	0.393	ng	# 93
35) Benzo(b)fluoranthene	23.52	252	3727	0.358	ng	# 91
36) Benzo(k)fluoranthene	23.58	252	3776	0.343	ng	# 89
37) Benzo(a)pyrene	24.21	252	3561	0.358	ng	# 91
38) Dibenzo(a,h)anthracene	27.11	278	3363	0.370	ng	94
39) Benzo(g,h,i)perylene	27.96	276	3507	0.368	ng	# 92

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