

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
 Data File : BE099808.D
 Acq On : 5 Jun 2019 17:44
 Operator : JU/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

mohammad
 6/6/2019 3:43:09 PM

Quant Time: Jun 06 01:45:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 05 14:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1358	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	4814	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	3461	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11521	0.40	ng	0.00
27) Chrysene-d12	21.41	240	19333	0.40	ng	0.00
34) Perylene-d12	23.94	264	22727	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1122	0.34	ng	0.01
5) Phenol-d6	6.96	99	1461	0.34	ng	0.00
8) Nitrobenzene-d5	8.97	82	1506	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	2918	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	623	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4453	0.35	ng	0.00
25) Fluoranthene-d10	19.26	212	59868	0.35	ng	0.00
29) Terphenyl-d14	19.86	244	12153	0.38	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.29	88	673	0.342 ng	97
3) n-Nitrosodimethylamine	3.62	42	356m	0.341 ng	
6) bis(2-Chloroethyl)ether	7.23	93	1370	0.368 ng	93
9) Naphthalene	10.65	128	18707	0.364 ng	100
10) Hexachlorobutadiene	10.93	225	1422	0.363 ng	99
12) 2-Methylnaphthalene	12.30	142	2746	0.335 ng	98
16) Acenaphthylene	14.20	152	5958	0.357 ng	99
17) Acenaphthene	14.54	154	3178	0.348 ng	99
18) Fluorene	15.51	166	4688	0.348 ng	99
20) 4-Bromophenyl-phenylether	16.42	248	2240	0.348 ng	# 82
21) Hexachlorobenzene	16.52	284	2396	0.340 ng	97
22) Pentachlorophenol	16.96	266	324m	0.420 ng	
23) Phenanthrene	17.27	178	9491	0.345 ng	99
24) Anthracene	17.36	178	8189	0.330 ng	100
26) Fluoranthene	19.29	202	17147	0.356 ng	99
28) Pyrene	19.65	202	18095	0.387 ng	100
30) Benzo(a)anthracene	21.39	228	21553	0.404 ng	100
31) Chrysene	21.45	228	22014	0.373 ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	20633	0.336 ng	100
33) Indeno(1,2,3-cd)pyrene	26.63	276	27346	0.387 ng	99
35) Benzo(b)fluoranthene	23.16	252	22602	0.359 ng	100
36) Benzo(k)fluoranthene	23.21	252	23786	0.356 ng	98
37) Benzo(a)pyrene	23.83	252	21696	0.356 ng	99
38) Dibenzo(a,h)anthracene	26.66	278	22199	0.358 ng	97
39) Benzo(g,h,i)perylene	27.45	276	22576	0.346 ng	99

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

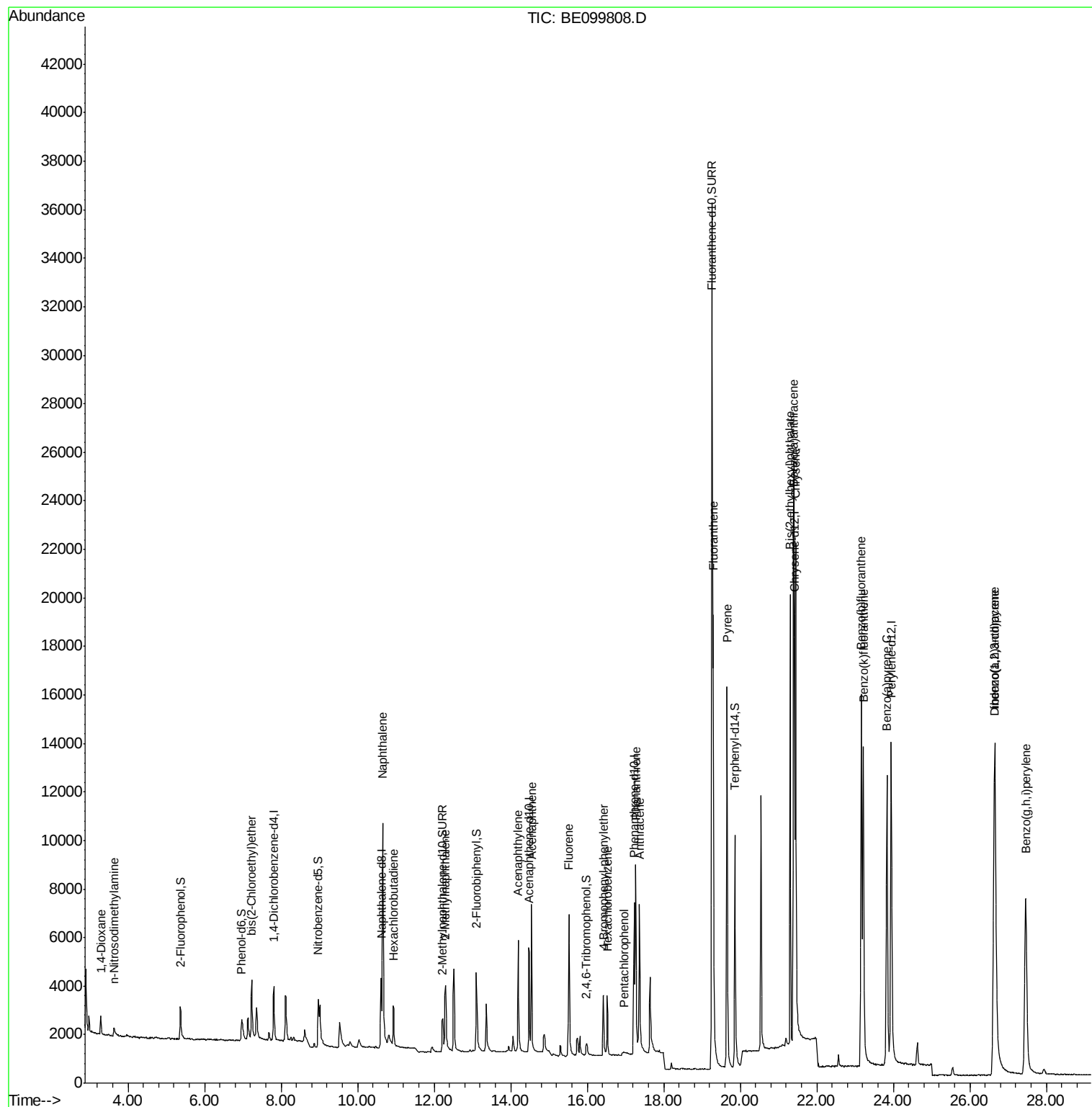
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
Data File : BE099808.D
Acq On : 5 Jun 2019 17:44
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM

Quant Time: Jun 06 01:45:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration





#1

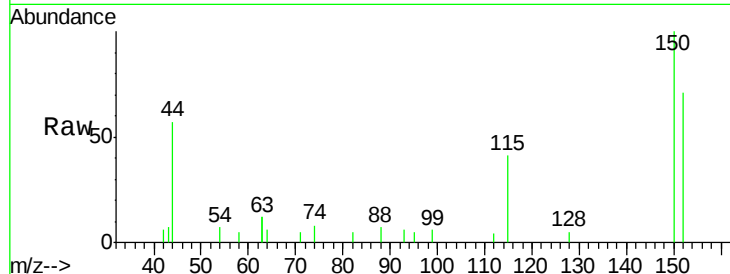
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Instrument :
BNA_E
ClientSampled :
SSTDCCC040

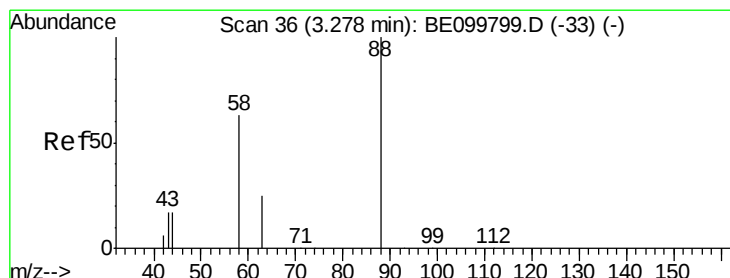
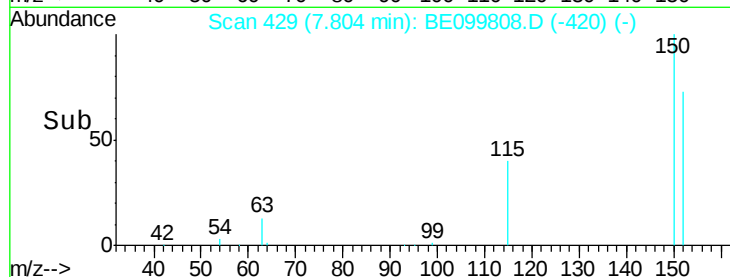
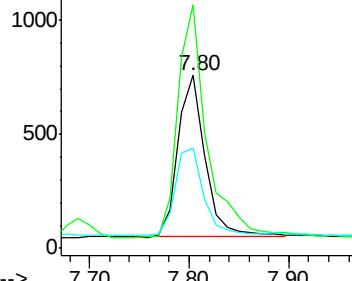
Tot Ion	Ratio	Lower	Upper
152	100		
150	141.1	112.8	169.2
115	58.4	47.6	71.4

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM



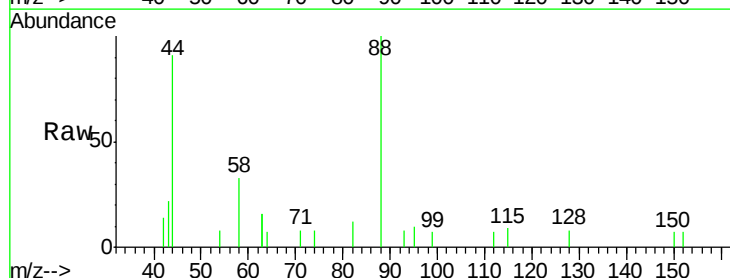
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



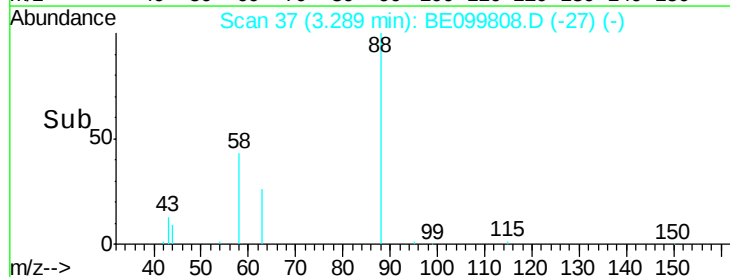
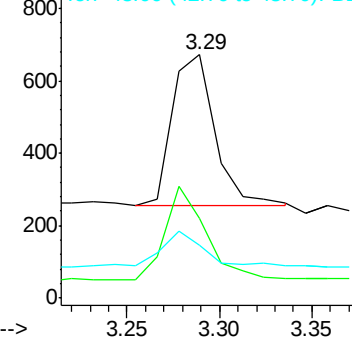
#2

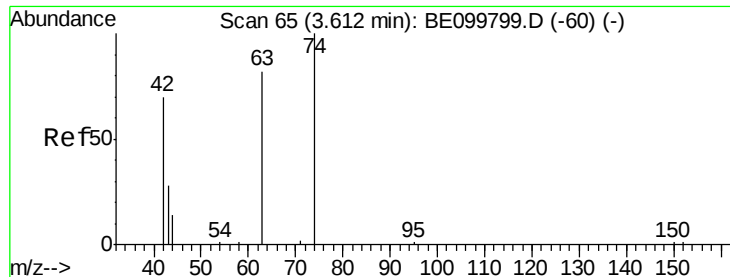
1,4-Dioxane
Concen: 0.342 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.01 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	58.4	47.3	70.9
43	26.0	18.2	27.4



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

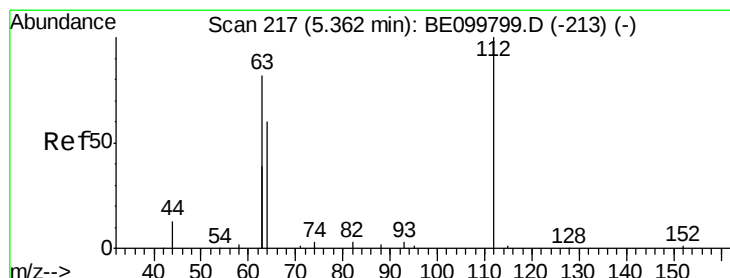
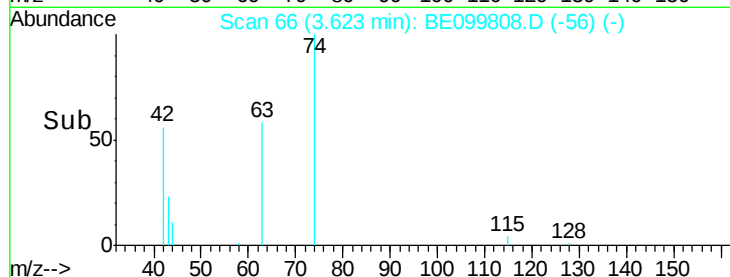
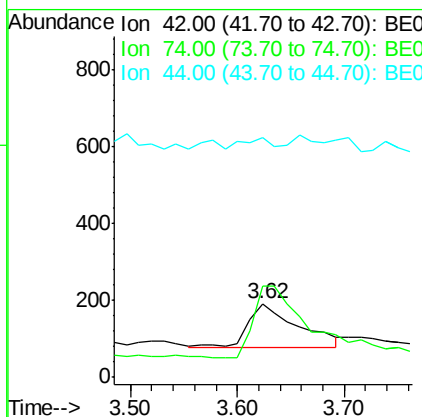
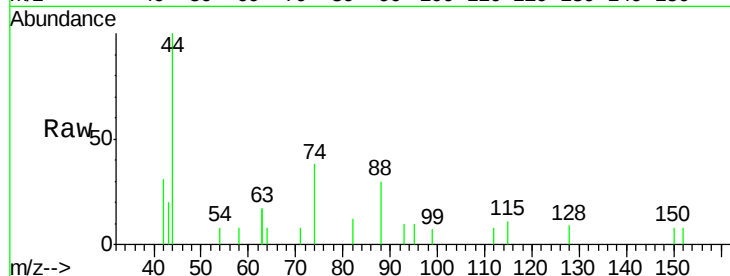
n-Nitrosodimethylamine
 Concen: 0.341 ng
 RT: 3.62 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: BE099808.D
 Acq: 5 Jun 2019 17:44

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
42	100		
74	144.9	132.6	198.8
44	15.2	13.4	20.0

Manual Integrations
 APPROVED

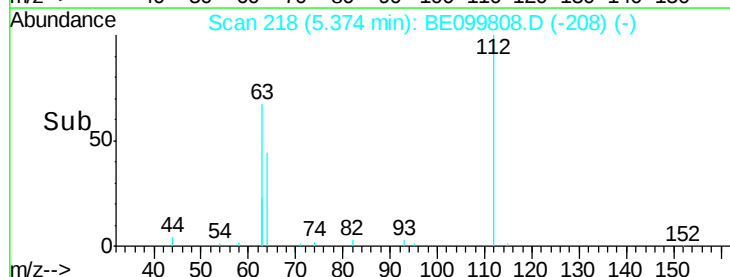
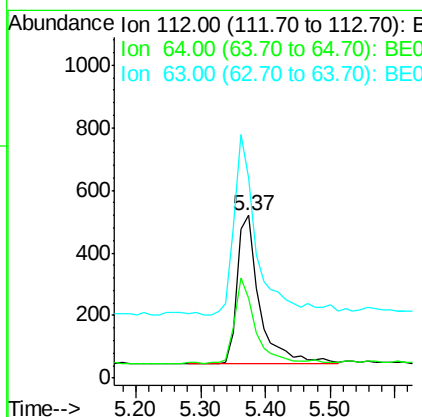
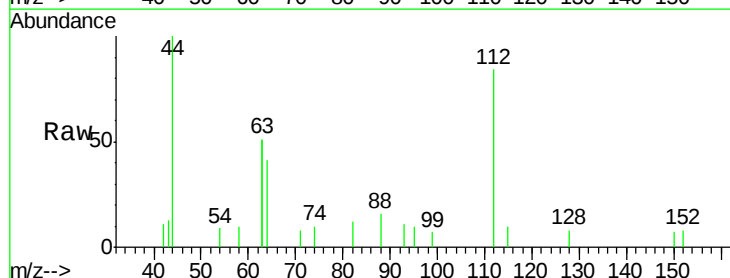
mohammad
 6/6/2019 3:43:09 PM

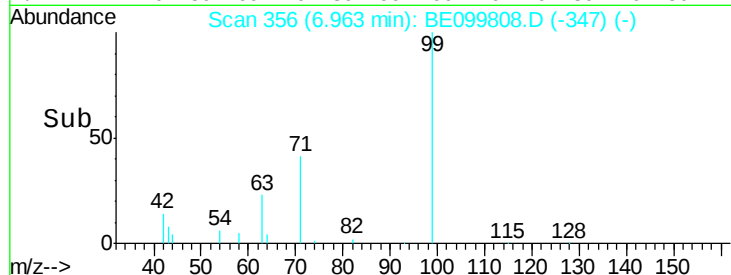
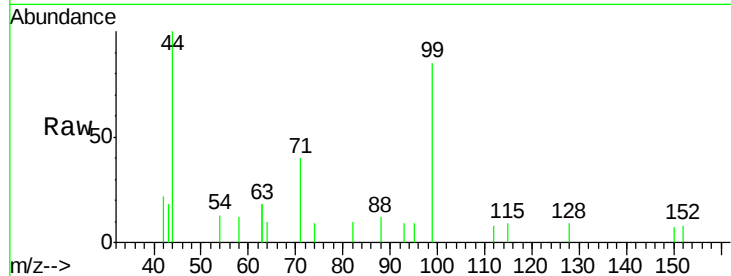
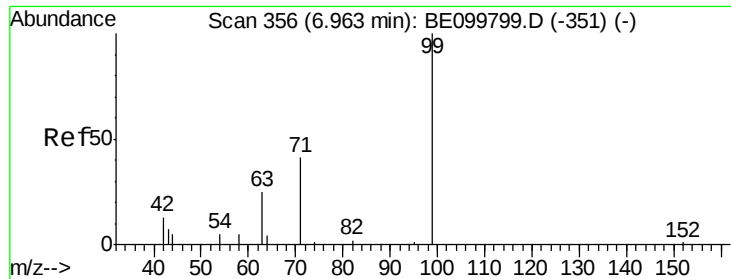


#4

2-Fluorophenol
 Concen: 0.339 ng
 RT: 5.37 min Scan# 218
 Delta R.T. 0.01 min
 Lab File: BE099808.D
 Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	47.2	70.8
63	125.7	90.7	136.1





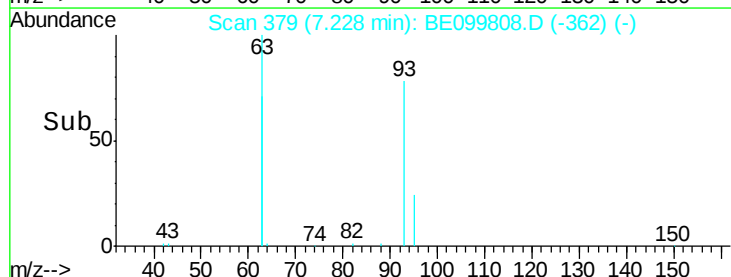
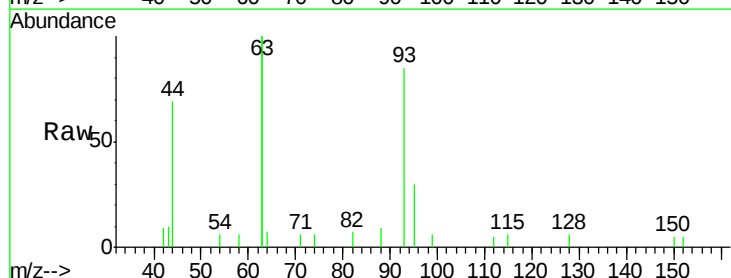
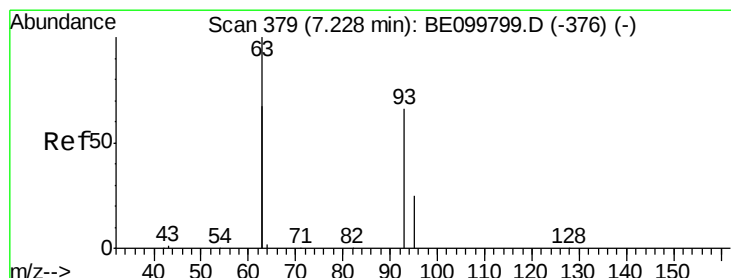
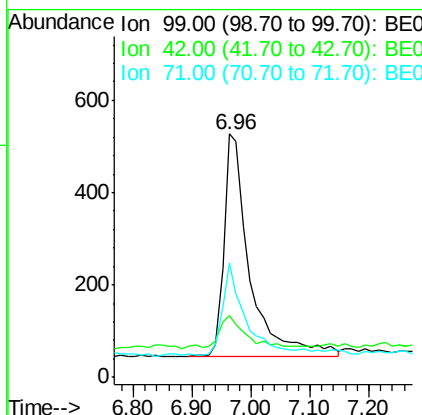
#5
Phenol-d6
Concen: 0.344 ng
RT: 6.96 min Scan# 356
Delta R.T. 0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tot Ion	Ratio	Lower	Upper
99	100		
42	16.5	11.0	16.4#
71	37.6	26.1	39.1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

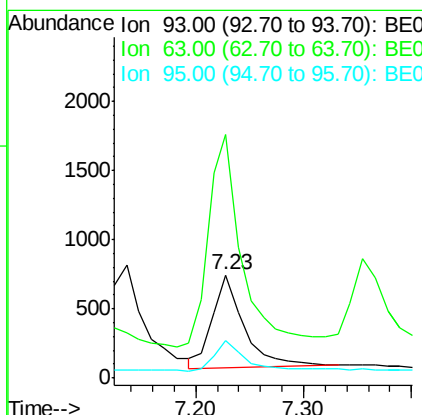
Manual Integrations
APPROVED

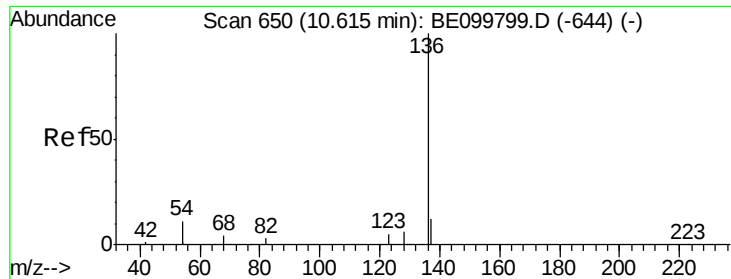
mohammad
6/6/2019 3:43:09 PM



#6
bis(2-Chloroethyl)ether
Concen: 0.368 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
93	100		
63	248.0	208.8	313.2
95	31.5	27.6	41.4





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

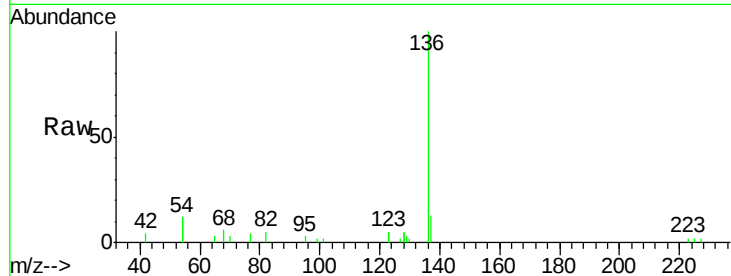
ClientSampleId :

SSTDCCC040

Tot Ion	Ratio	Lower	Upper
136	100		
137	12.6	11.1	16.7
54	24.6	17.9	26.9
68	6.5	5.4	8.0

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM

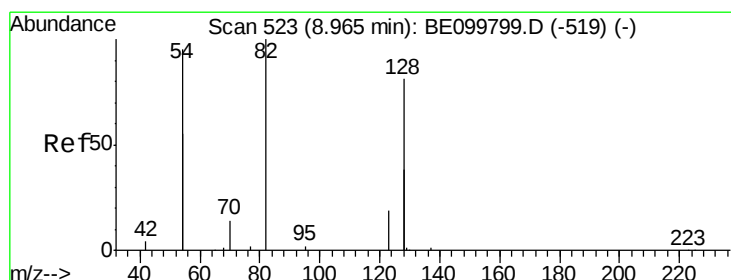
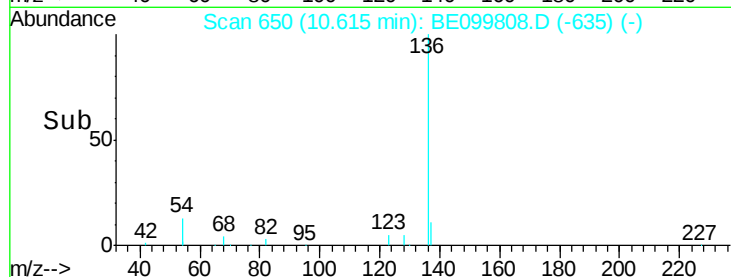
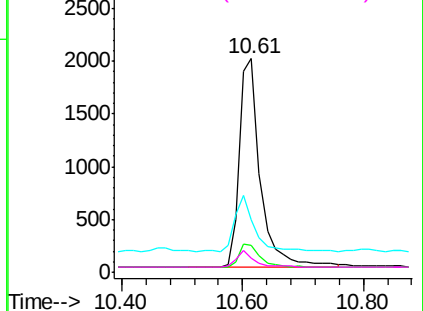


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.356 ng

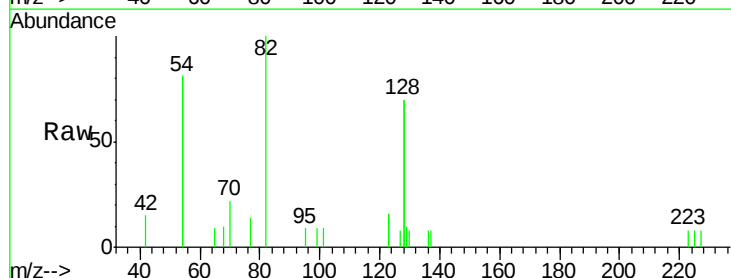
RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

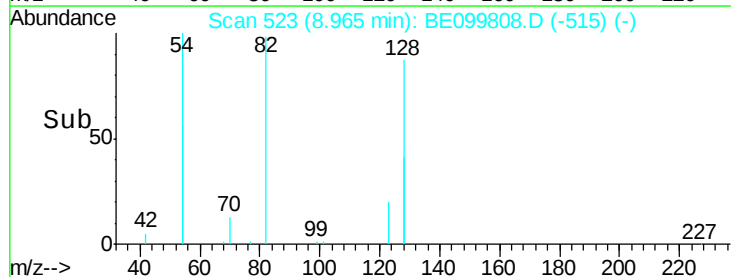
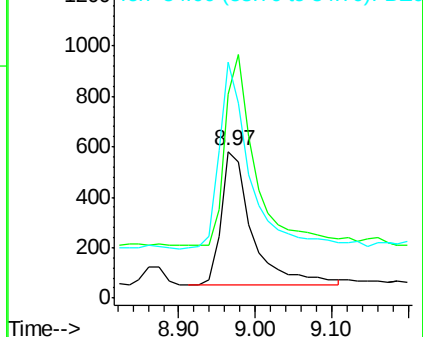
Tgt Ion	Ratio	Lower	Upper
82	100		
128	139.4	116.6	175.0
54	161.1	136.2	204.4

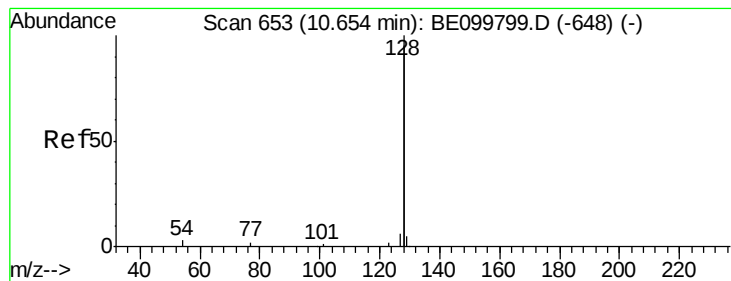


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.364 ng

RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

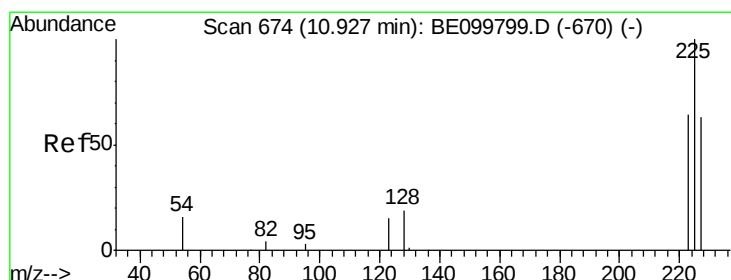
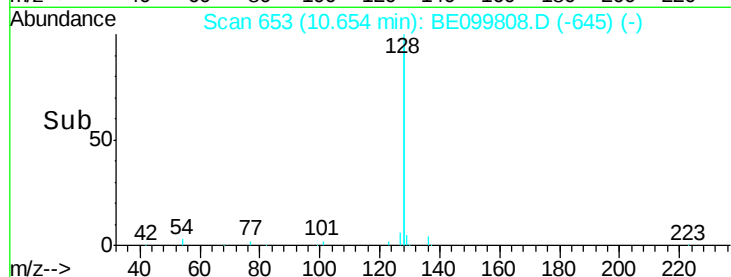
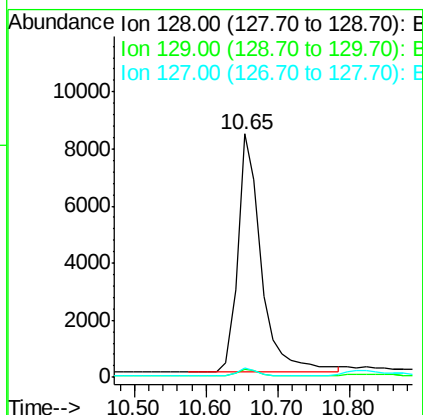
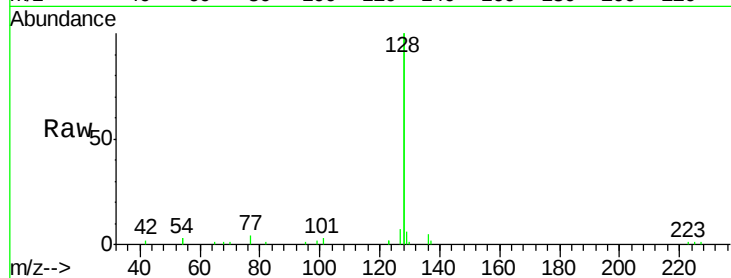
ClientSampleId :

SSTDCCC040

Tot Ion:128	Resp:	18707
Ion Ratio	Lower	Upper
128 100		
129 3.2	2.6	4.0
127 3.7	3.0	4.6

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM



#10

Hexachlorobutadiene

Concen: 0.363 ng

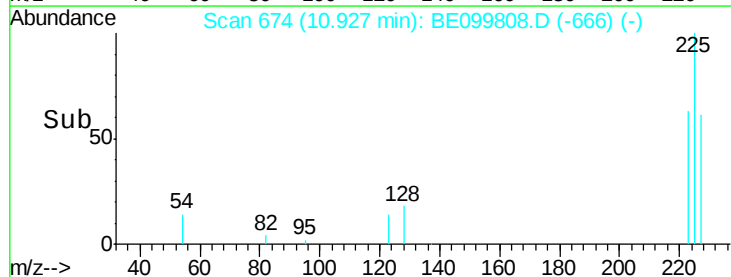
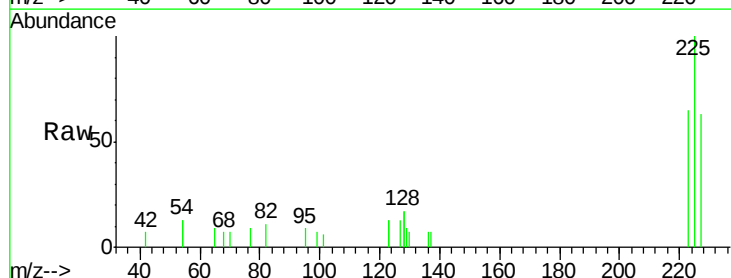
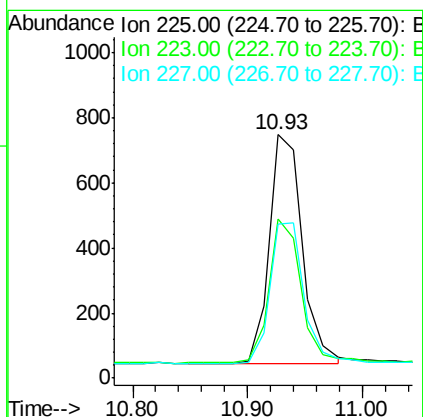
RT: 10.93 min Scan# 674

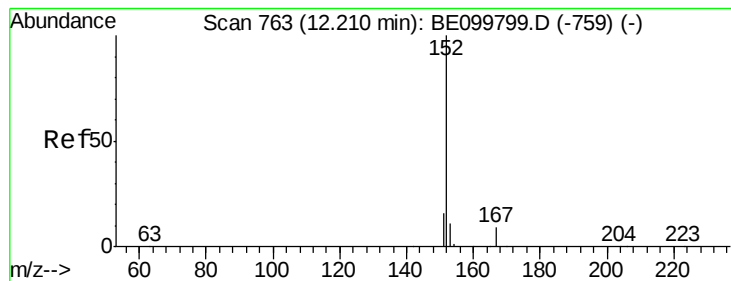
Delta R.T. 0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Tgt Ion:225	Resp:	1422
Ion Ratio	Lower	Upper
225 100		
223 60.0	48.6	72.8
227 63.5	51.6	77.4





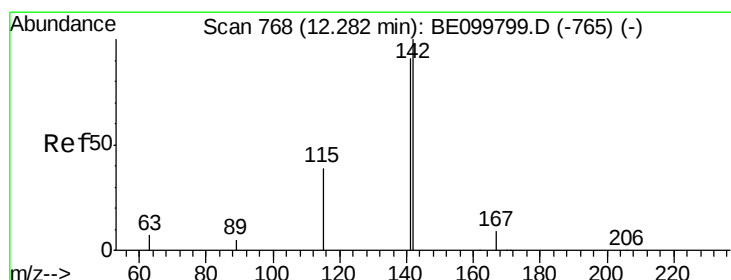
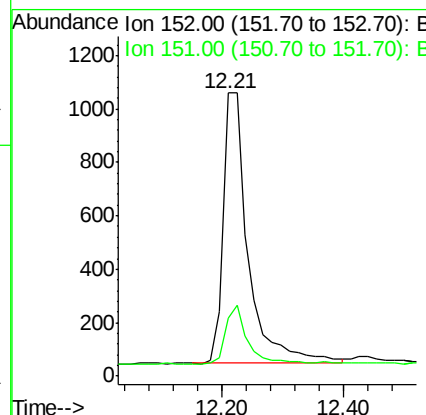
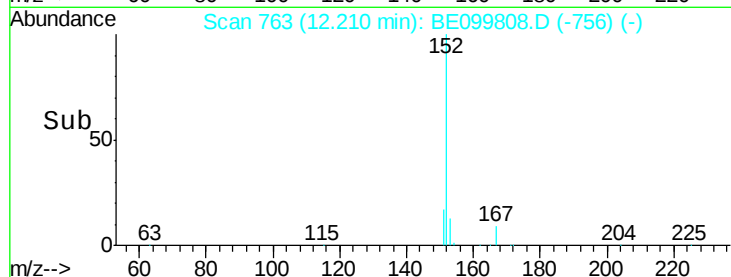
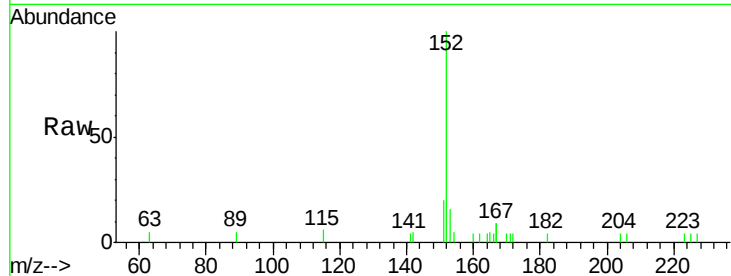
#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.8	23.8

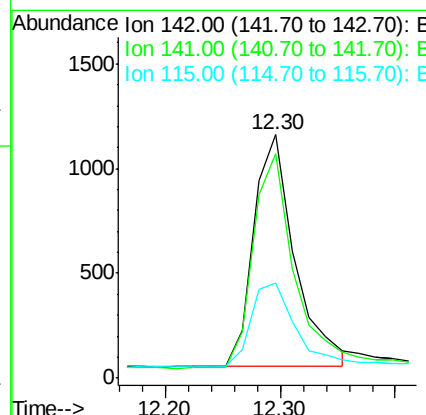
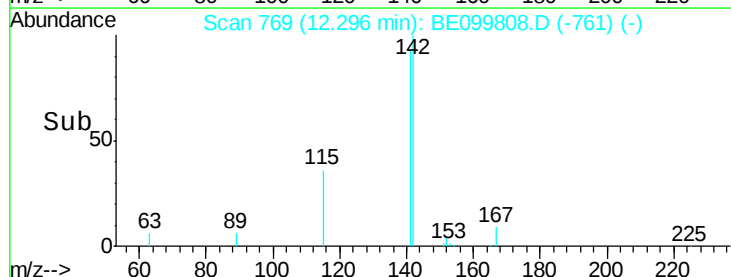
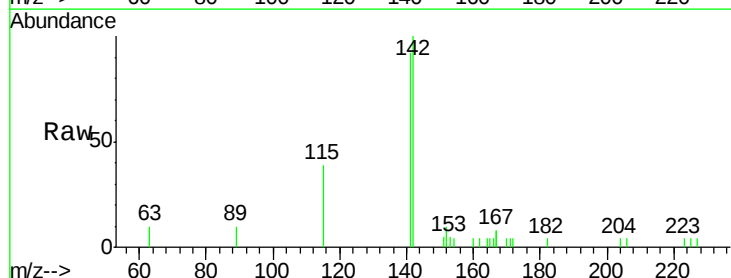
Manual Integrations
APPROVED

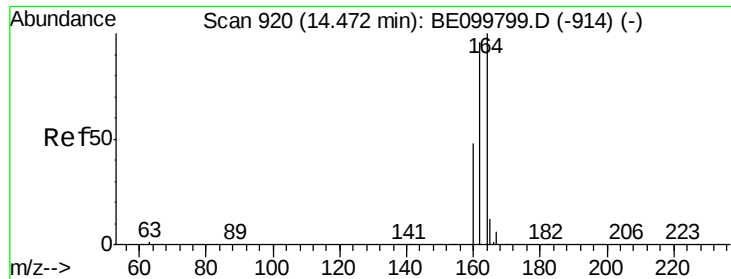
mohammad
6/6/2019 3:43:09 PM



#12
2-Methylnaphthalene
Concen: 0.335 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.01 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.3	109.9
115	39.2	33.4	50.2





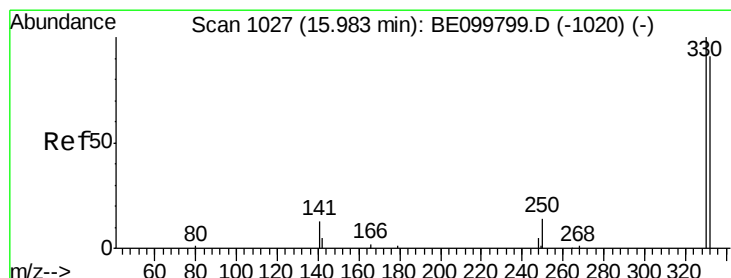
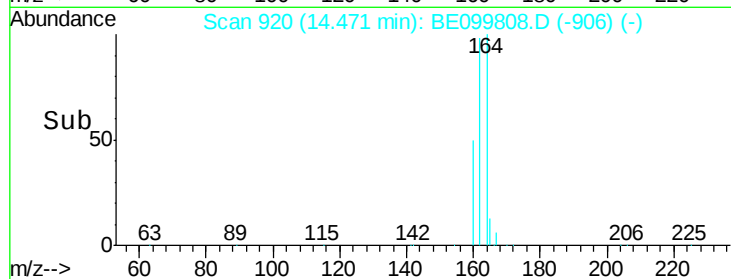
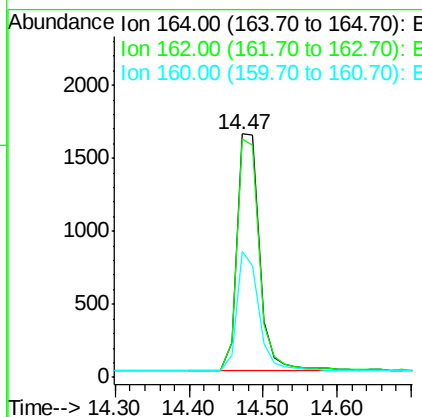
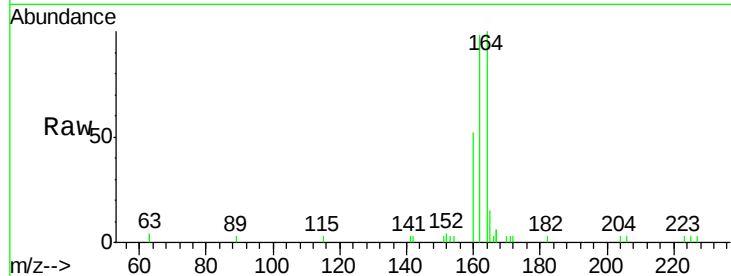
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE099808.D
 Acq: 5 Jun 2019 17:44

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.0	77.2	115.8
160	51.6	39.4	59.2

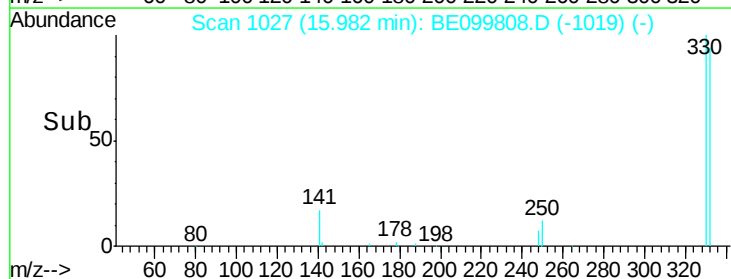
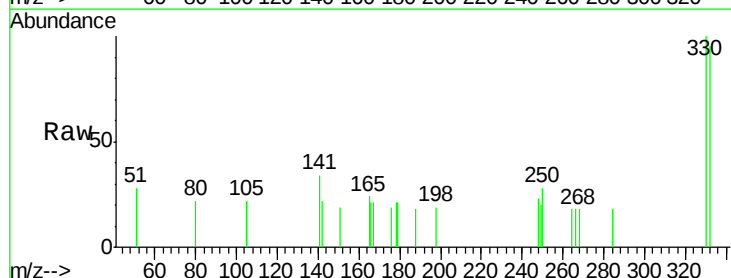
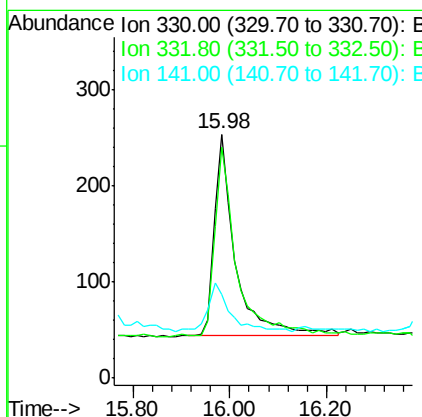
Manual Integrations
 APPROVED

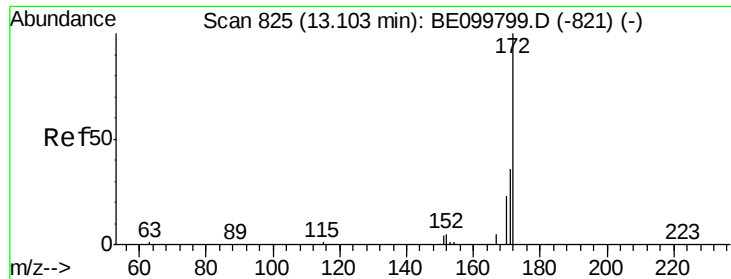
mohammad
 6/6/2019 3:43:09 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.371 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099808.D
 Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	74.9	112.3
141	25.4	16.0	24.0#





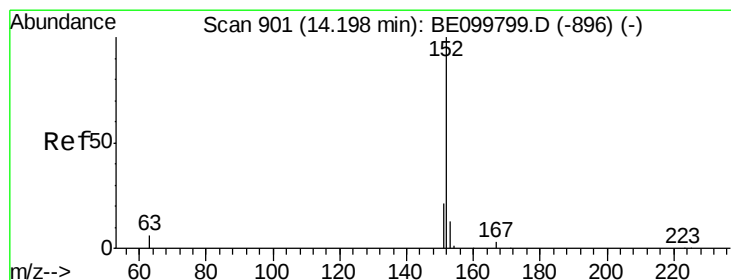
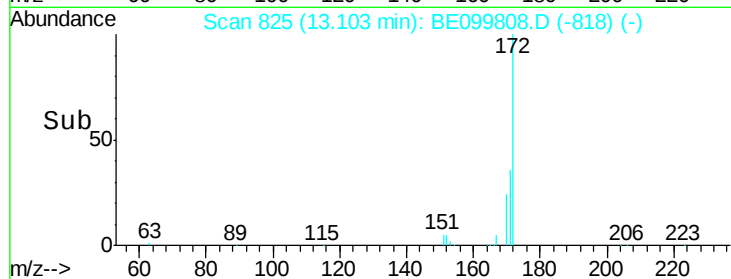
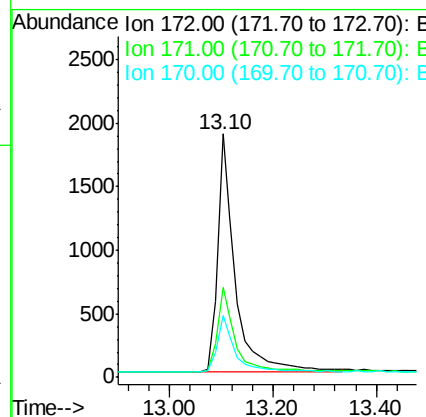
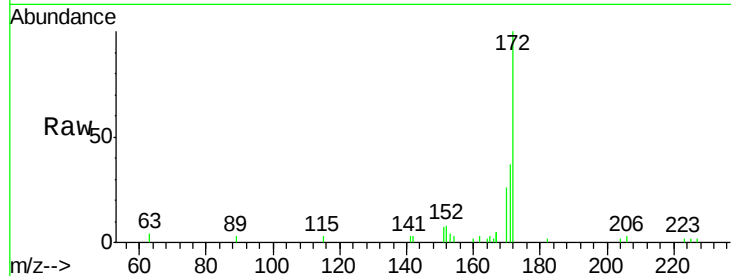
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	30.2	45.4
170	25.6	20.1	30.1

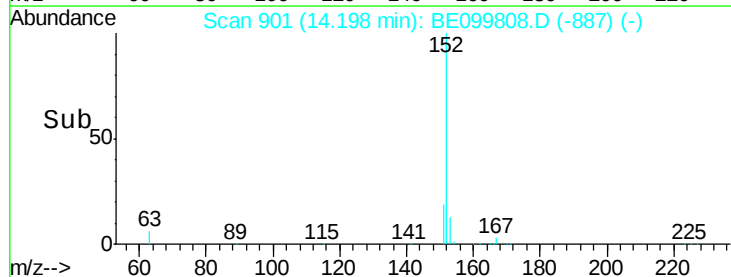
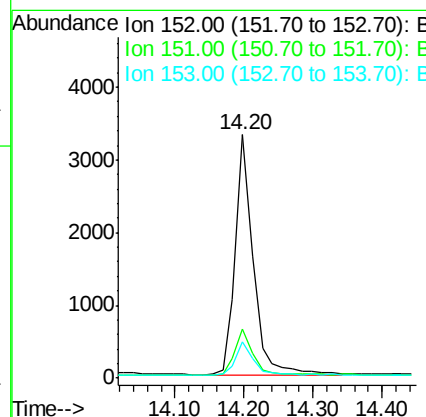
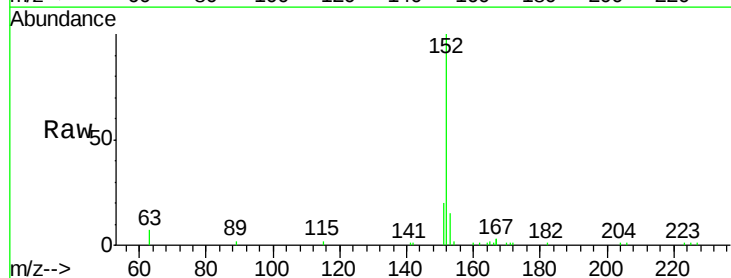
Manual Integrations
APPROVED

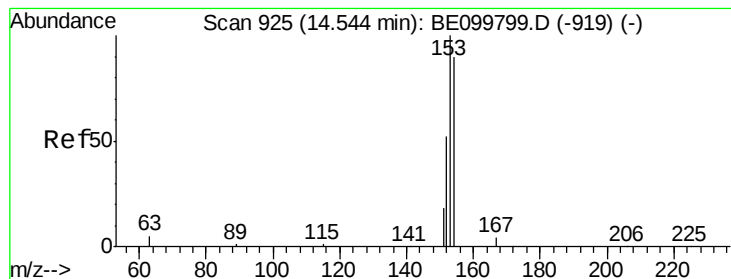
mohammad
6/6/2019 3:43:09 PM



#16
Acenaphthylene
Concen: 0.357 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	13.0	10.8	16.2





#17

Acenaphthene

Concen: 0.348 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

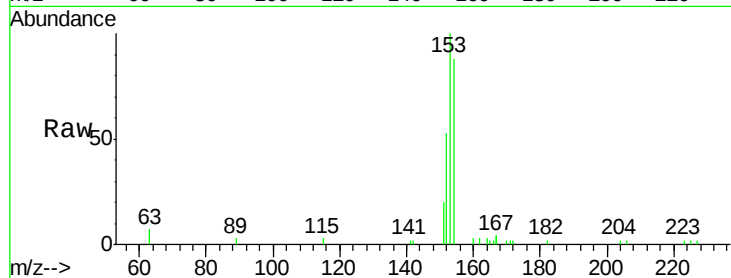
ClientSampleId :

SSTDCCC040

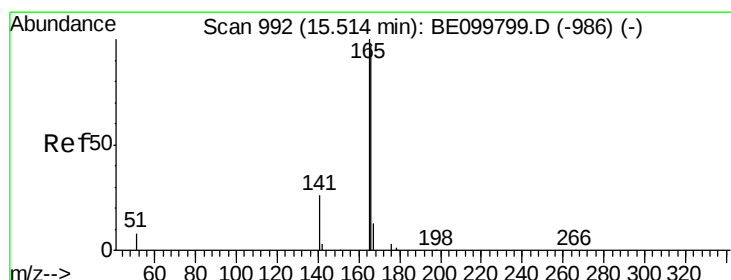
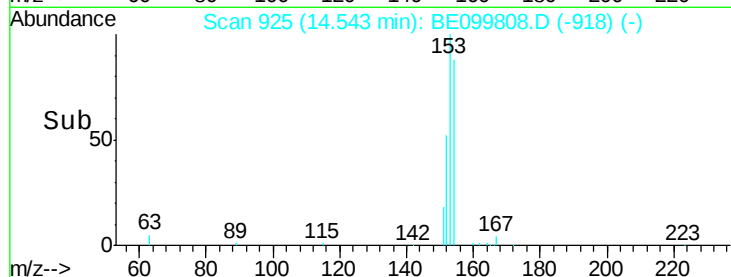
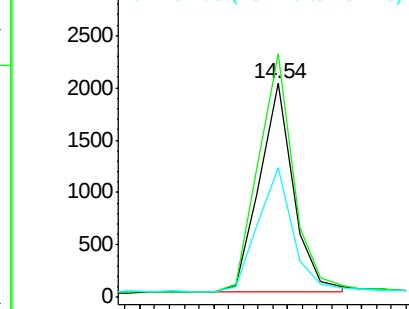
Tot Ion:	154	Resp:	3178
Ion	Ratio	Lower	Upper
154	100		
153	118.0	93.8	140.6
152	60.7	48.3	72.5

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 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: 0.348 ng

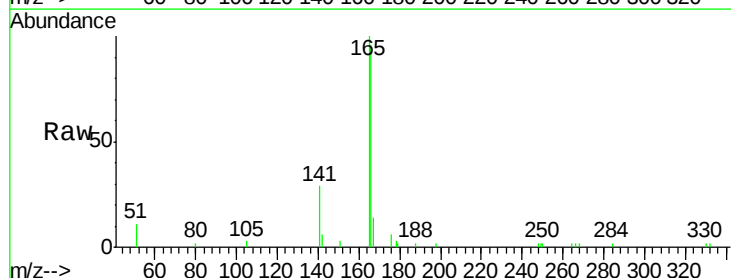
RT: 15.51 min Scan# 992

Delta R.T. -0.00 min

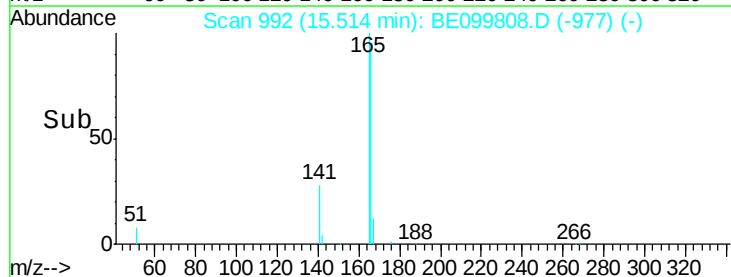
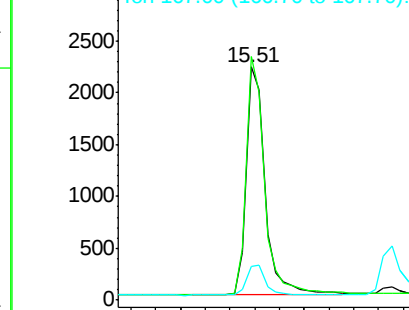
Lab File: BE099808.D

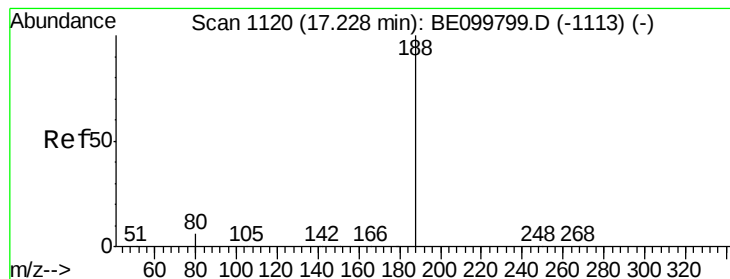
Acq: 5 Jun 2019 17:44

Tgt Ion:	166	Resp:	4688
Ion	Ratio	Lower	Upper
166	100		
165	100.9	80.4	120.6
167	14.2	10.7	16.1



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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

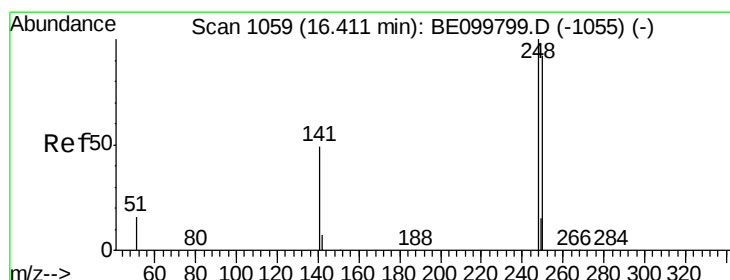
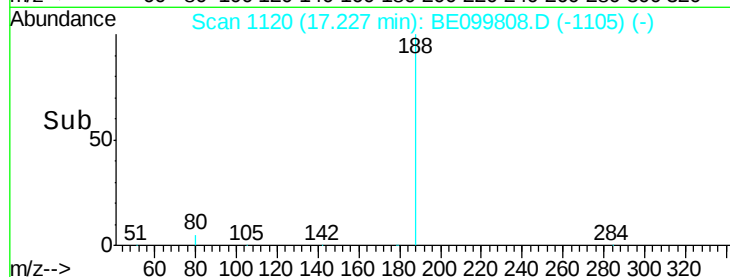
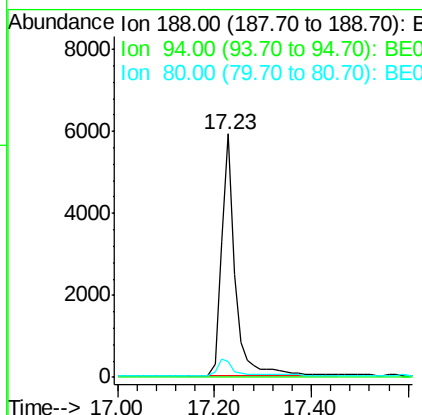
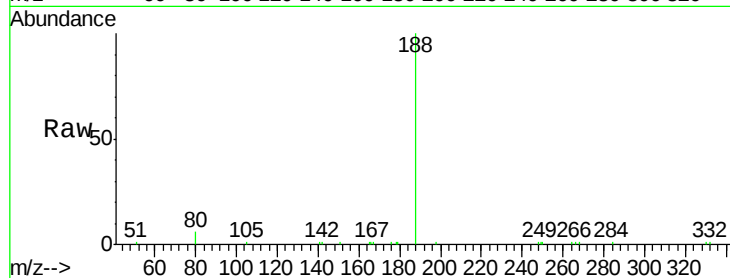
ClientSampleId :

SSTDCCC040

Tot Ion:	188	Resp:	11521
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.3	5.2	7.8

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM



#20

4-Bromophenyl-phenylether

Concen: 0.348 ng

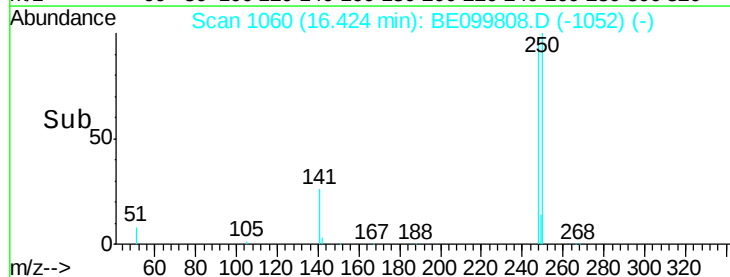
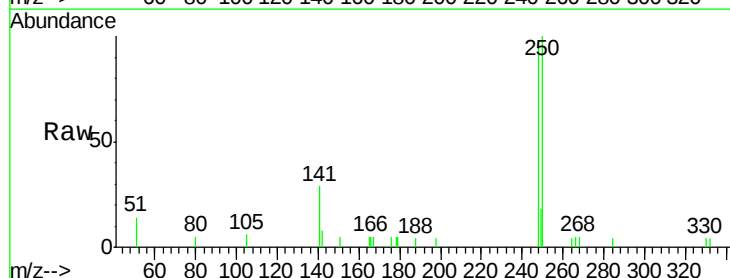
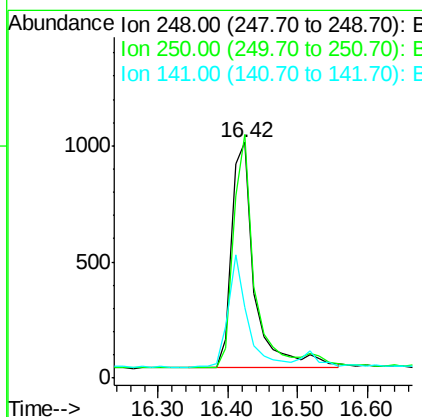
RT: 16.42 min Scan# 1060

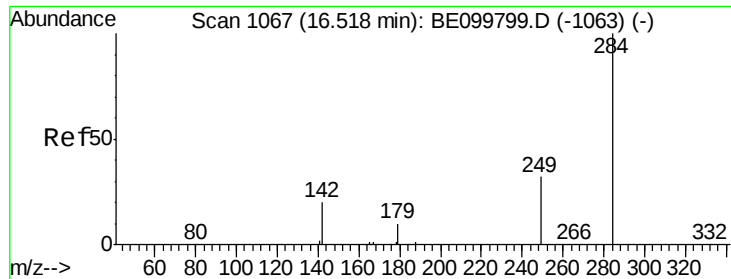
Delta R.T. 0.01 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Tgt Ion:	248	Resp:	2240
Ion Ratio	Lower	Upper	
248	100		
250	103.5	73.7	110.5
141	30.3	40.9	61.3#





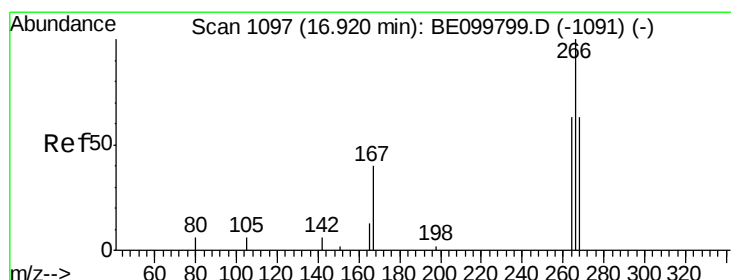
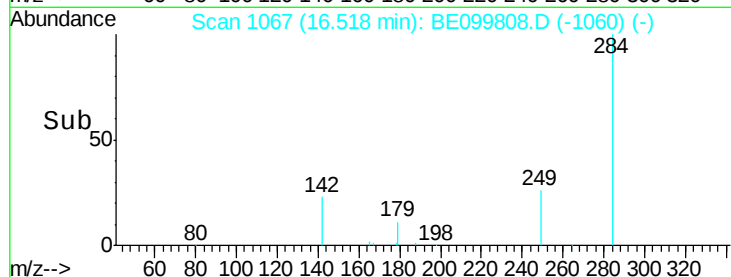
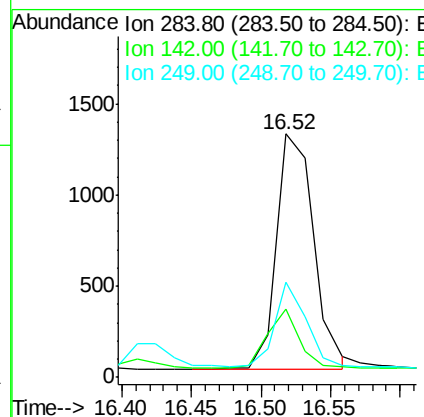
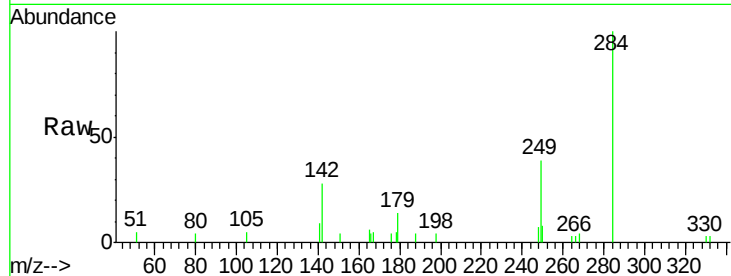
#21
Hexachlorobenzene
Concen: 0.340 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Tot Ion:	284	Resp:	2396
Ion Ratio	Lower	Upper	
284	100		
142	21.6	16.2	24.4
249	30.2	23.1	34.7

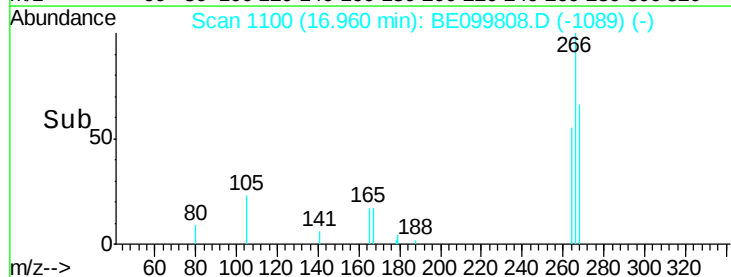
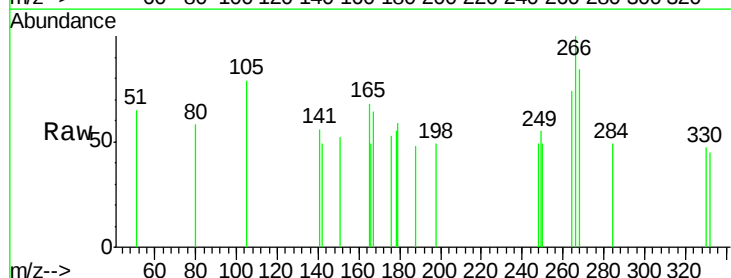
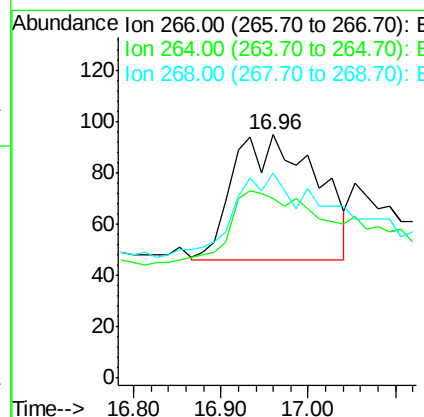
Manual Integrations
APPROVED

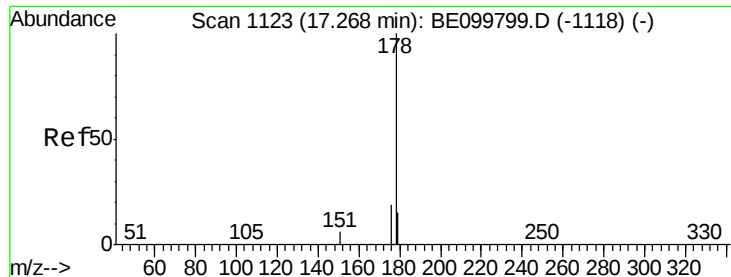
mohammad
6/6/2019 3:43:09 PM



#22
Pentachlorophenol
Concen: 0.420 ng m
RT: 16.96 min Scan# 1100
Delta R.T. 0.04 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion:	266	Resp:	324
Ion Ratio	Lower	Upper	
266	100		
264	73.7	64.9	97.3
268	84.2	64.0	96.0





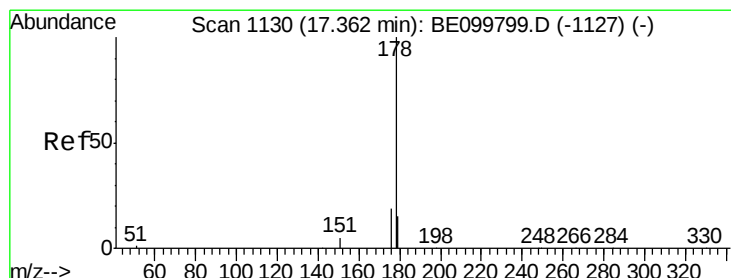
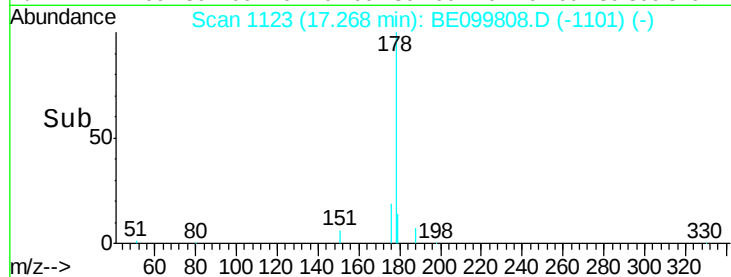
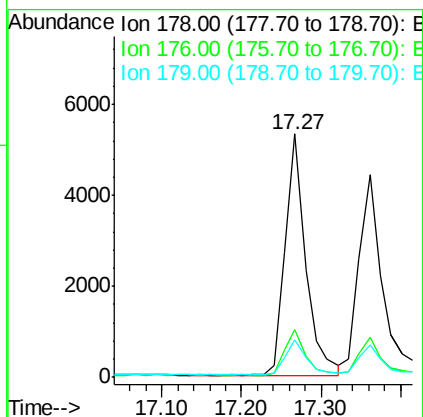
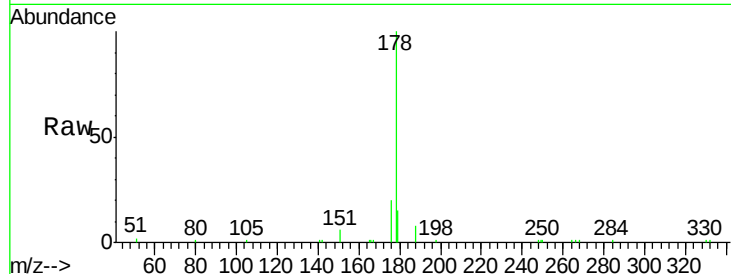
#23
Phenanthrene
Concen: 0.345 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.1	12.5	18.7

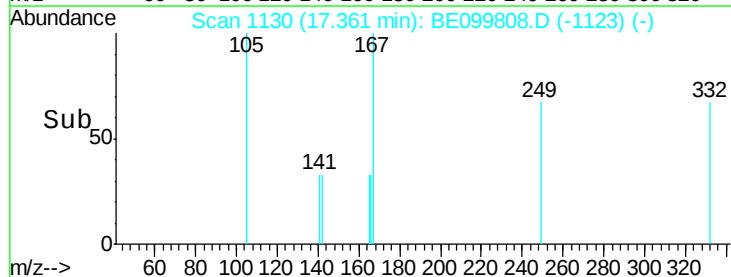
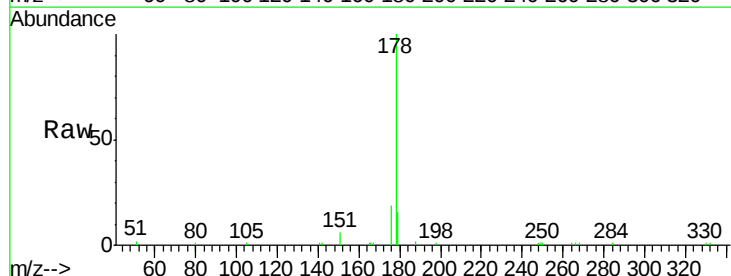
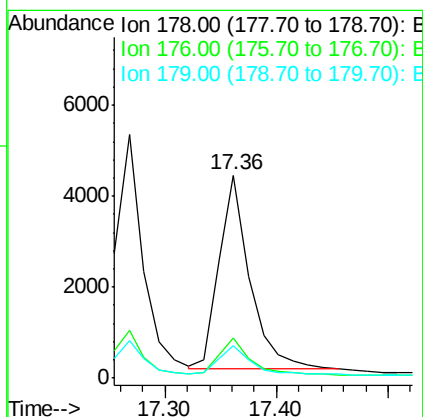
Manual Integrations
APPROVED

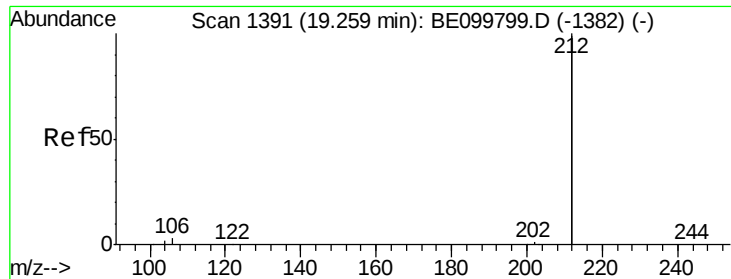
mohammad
6/6/2019 3:43:09 PM



#24
Anthracene
Concen: 0.330 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.0	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.350 ng

RT: 19.26 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

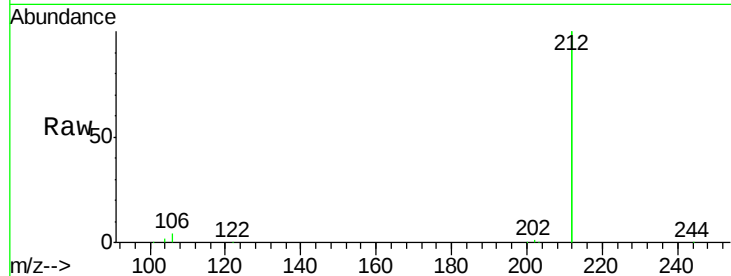
ClientSampleId :

SSTDCCC040

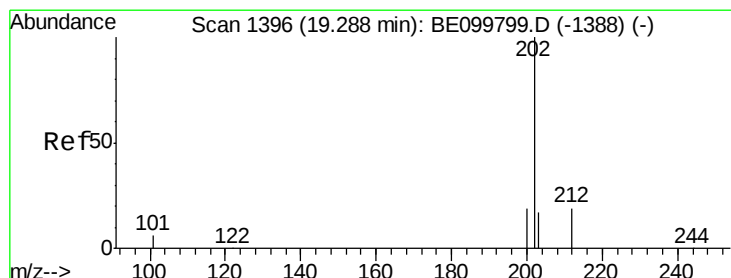
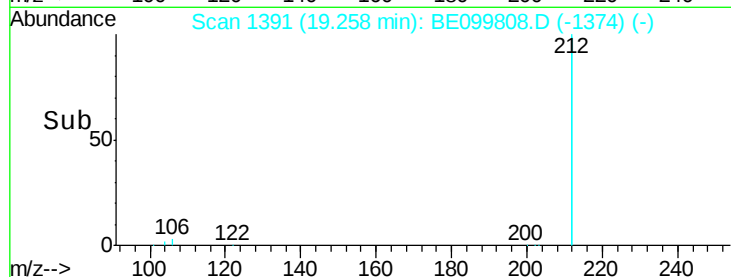
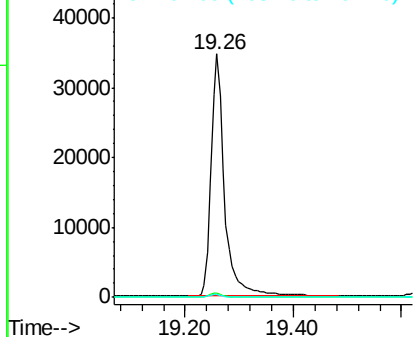
Tot Ion:	212	Resp:	59868
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.4	2.0
104	1.0	0.8	1.2

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 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: 0.356 ng

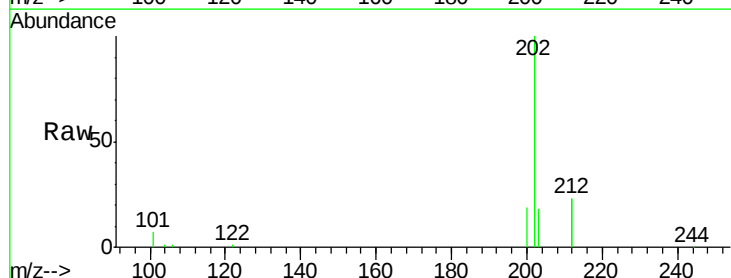
RT: 19.29 min Scan# 1396

Delta R.T. -0.00 min

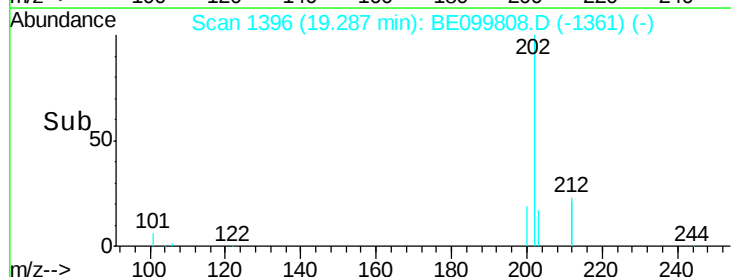
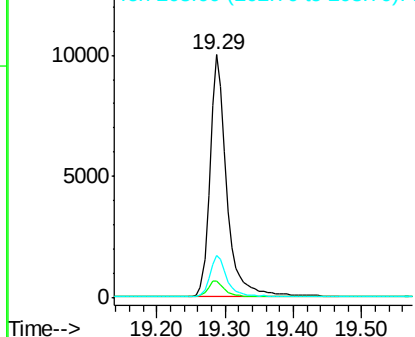
Lab File: BE099808.D

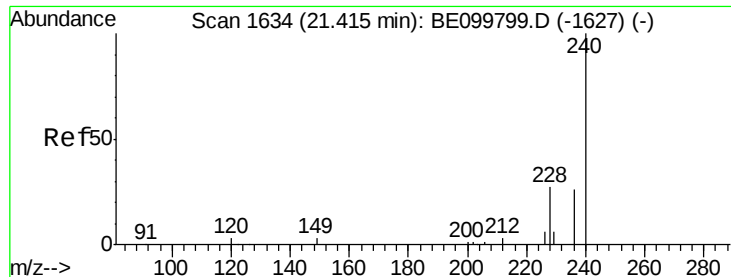
Acq: 5 Jun 2019 17:44

Tgt Ion:	202	Resp:	17147
Ion Ratio	Lower	Upper	
202	100		
101	6.9	5.2	7.8
203	17.3	13.6	20.4



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





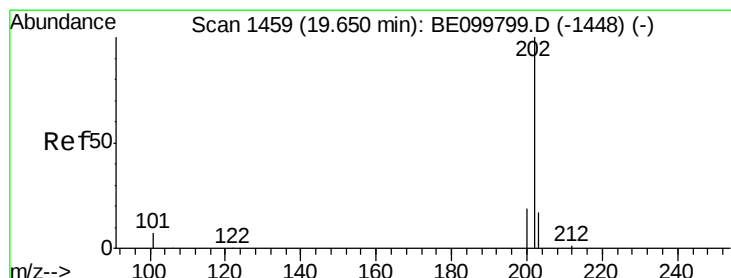
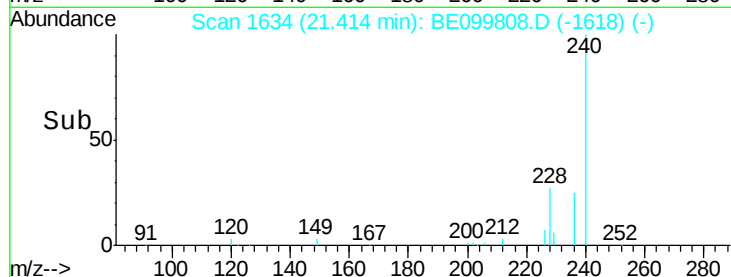
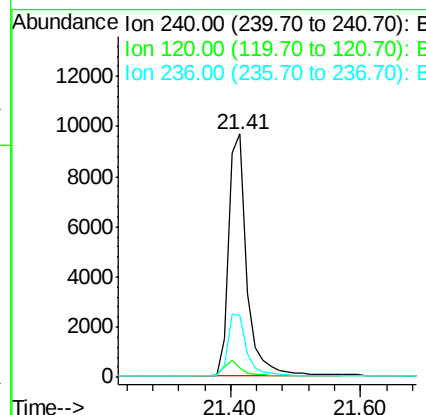
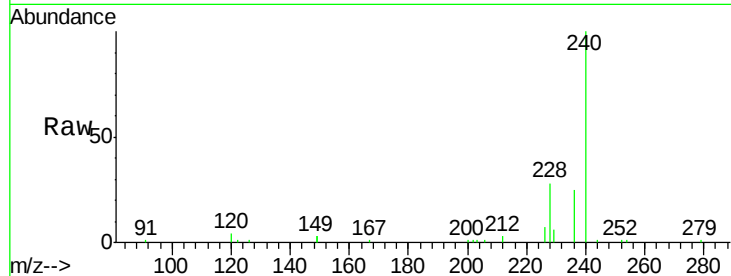
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Tot Ion:240 Resp: 19333
Ion Ratio Lower Upper
240 100
120 3.6 2.8 4.2
236 25.5 20.9 31.3

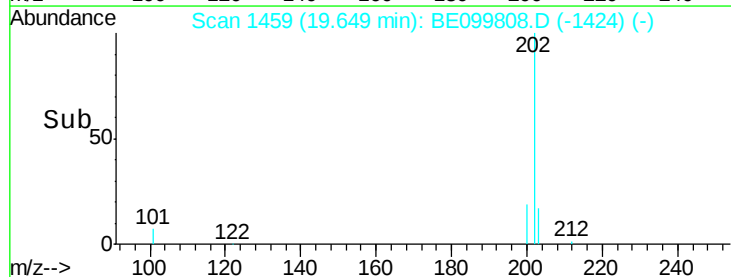
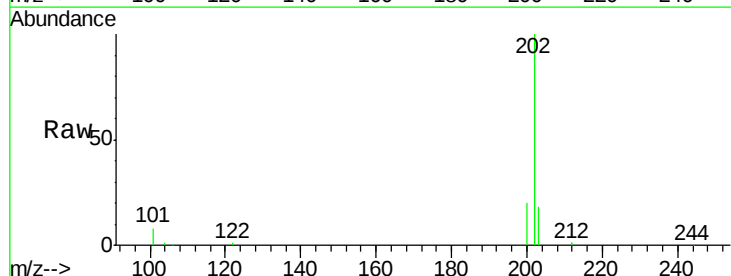
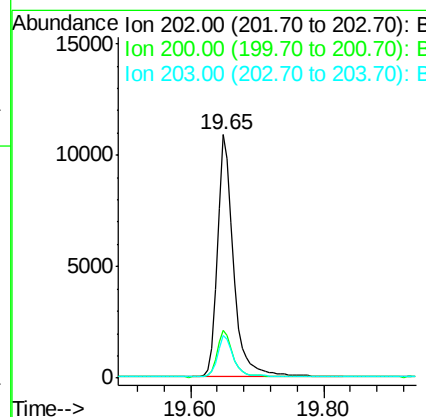
Manual Integrations
APPROVED

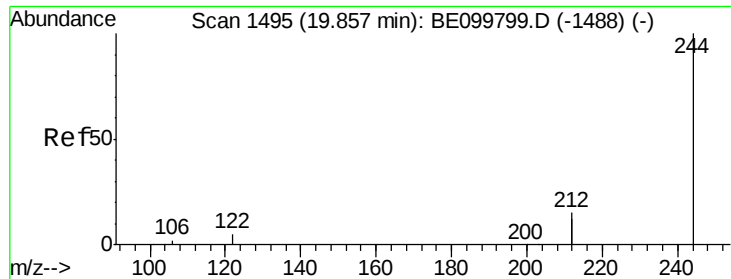
mohammad
6/6/2019 3:43:09 PM



#28
Pyrene
Concen: 0.387 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion:202 Resp: 18095
Ion Ratio Lower Upper
202 100
200 19.4 15.6 23.4
203 17.3 14.1 21.1





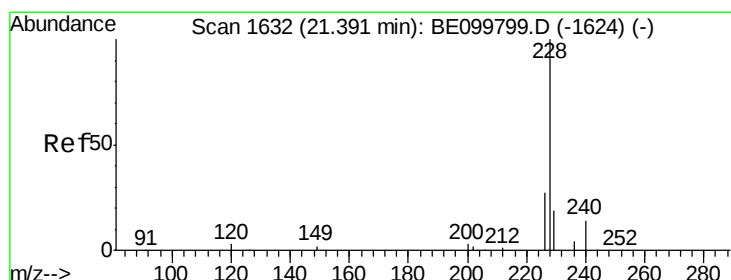
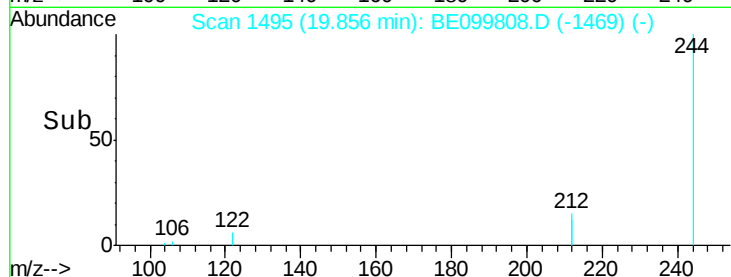
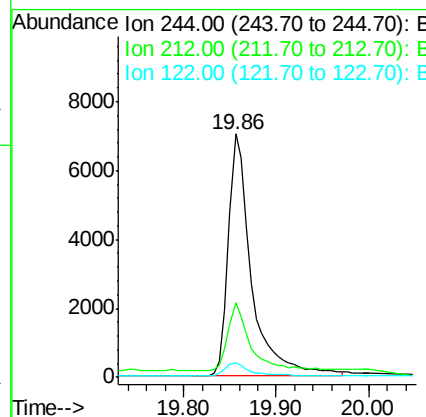
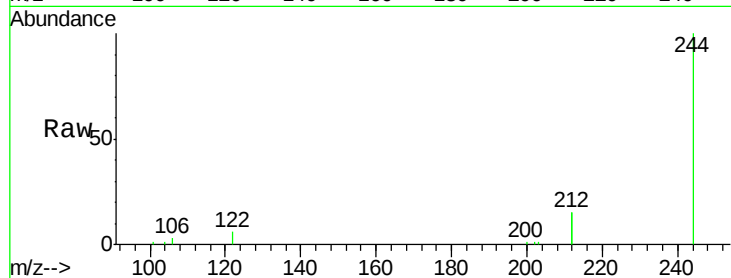
#29
 Terphenyl-d14
 Concen: 0.383 ng
 RT: 19.86 min Scan# 1495
 Delta R.T. -0.00 min
 Lab File: BE099808.D
 Acq: 5 Jun 2019 17:44

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC040

Tot Ion	Ratio	Lower	Upper
244	100		
212	30.6	23.7	35.5
122	6.2	4.8	7.2

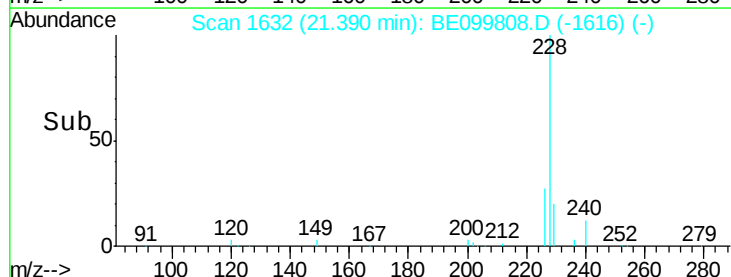
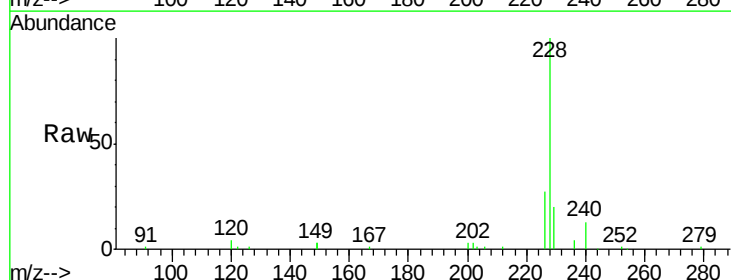
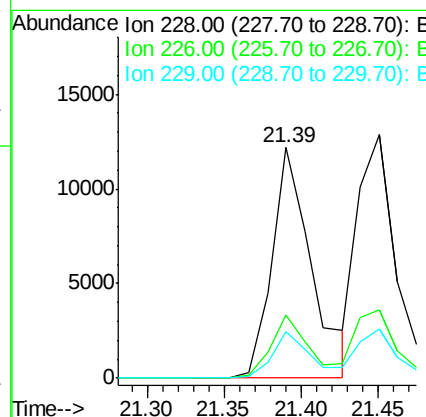
Manual Integrations
 APPROVED

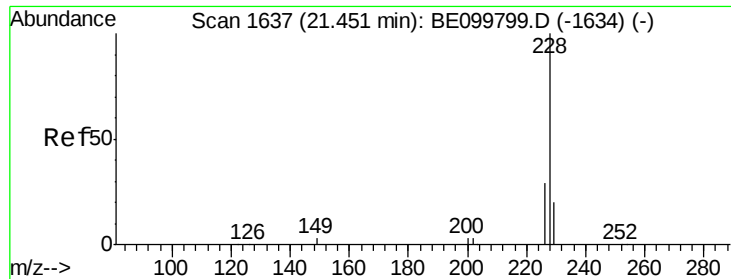
mohammad
 6/6/2019 3:43:09 PM



#30
 Benzo(a)anthracene
 Concen: 0.404 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099808.D
 Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.6	32.4
229	20.0	15.8	23.6





#31

Chrysene

Concen: 0.373 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

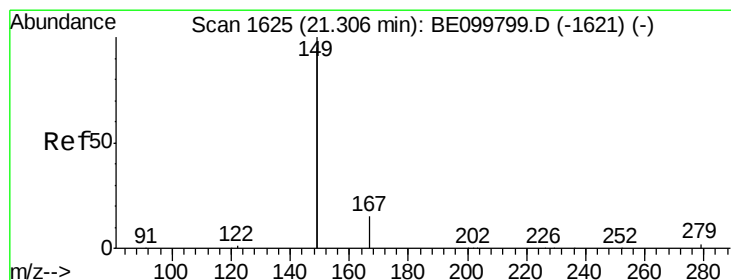
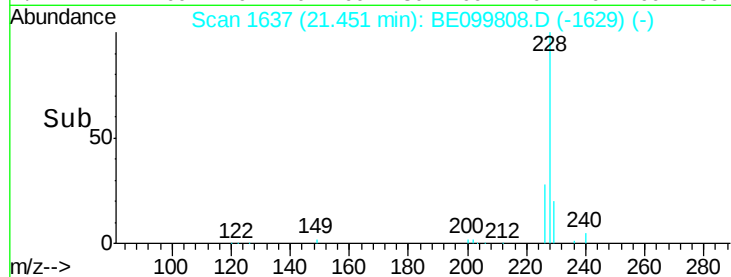
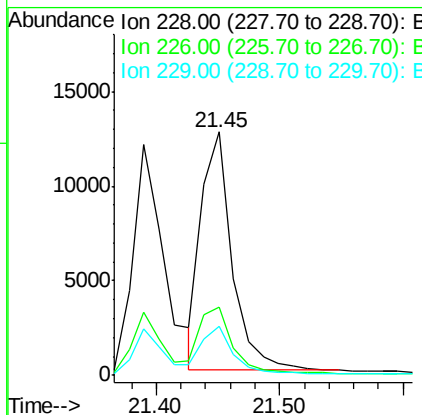
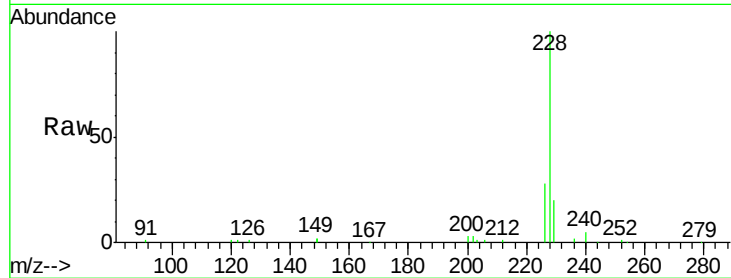
ClientSampleId :

SSTDCCC040

Tot Ion:	228	Resp:	22014
Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.9	34.3
229	20.1	16.4	24.6

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.336 ng

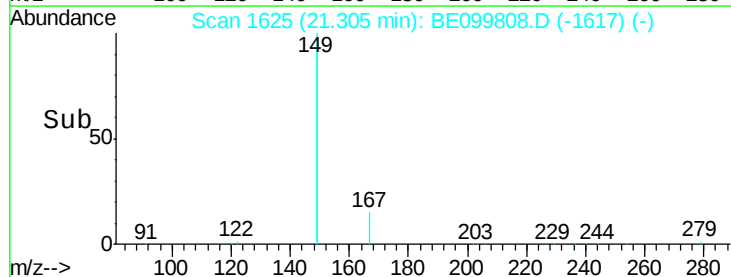
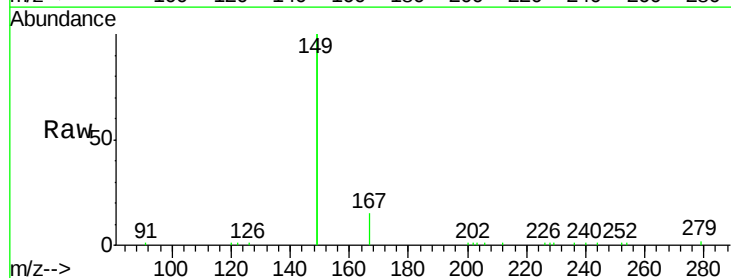
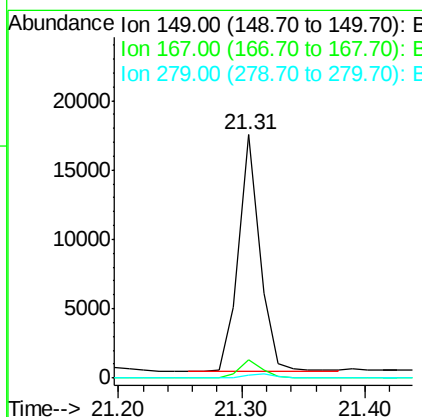
RT: 21.31 min Scan# 1625

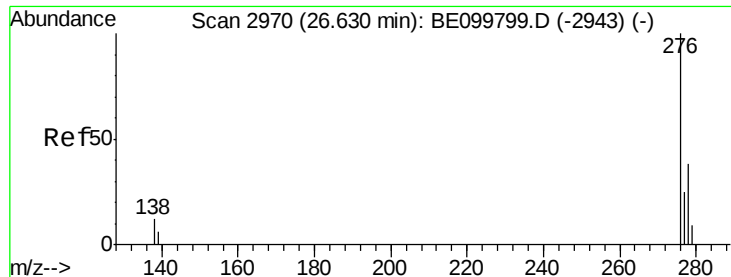
Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Tgt Ion:	149	Resp:	20633
Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.0	9.0
279	1.4	1.2	1.8





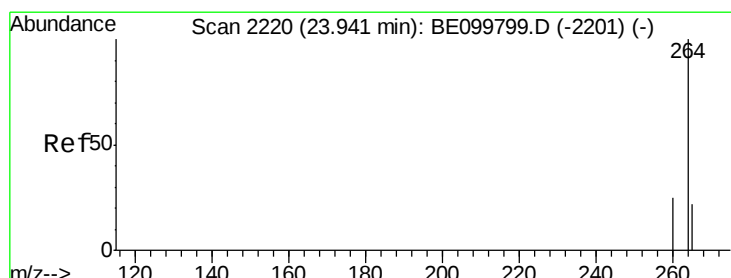
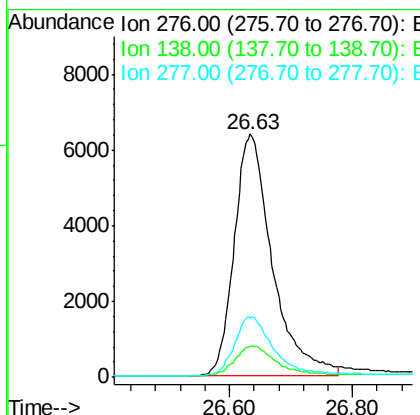
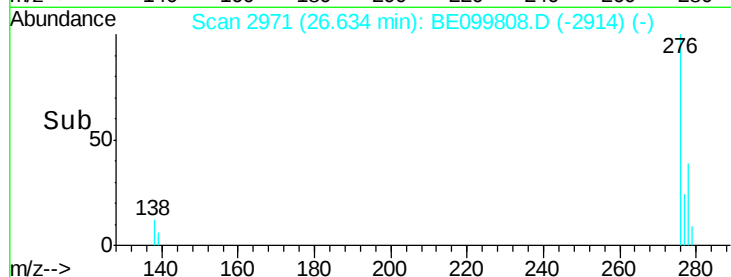
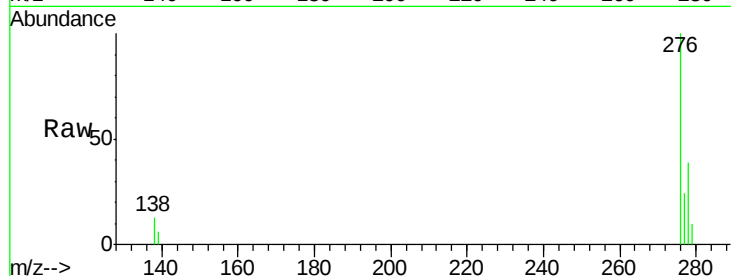
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 26.63 min Scan# 2971
Delta R.T. 0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.9	10.3	15.5
277	25.0	19.4	29.2

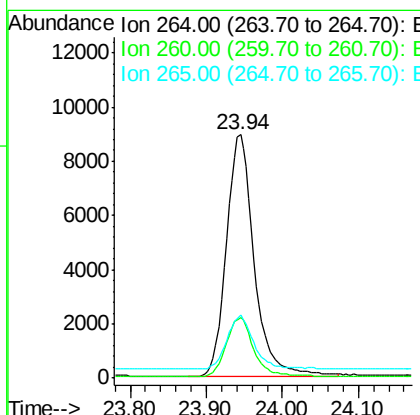
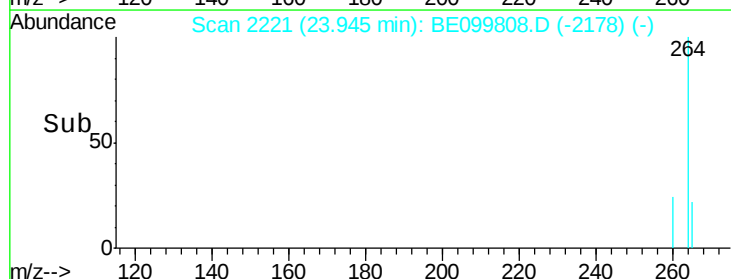
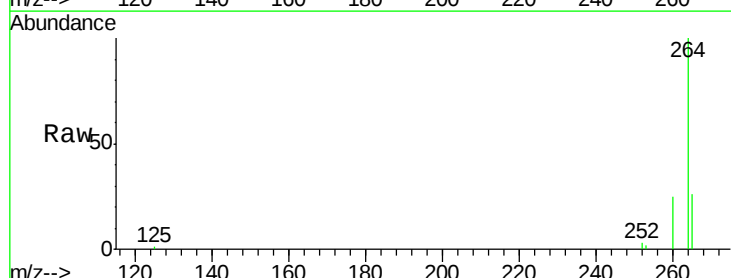
Manual Integrations
APPROVED

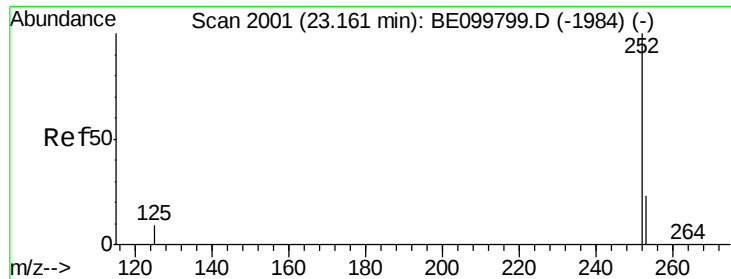
mohammad
6/6/2019 3:43:09 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BE099808.D
Acq: 5 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	25.7	20.7	31.1





#35

Benzo(b)fluoranthene

Concen: 0.359 ng

RT: 23.16 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

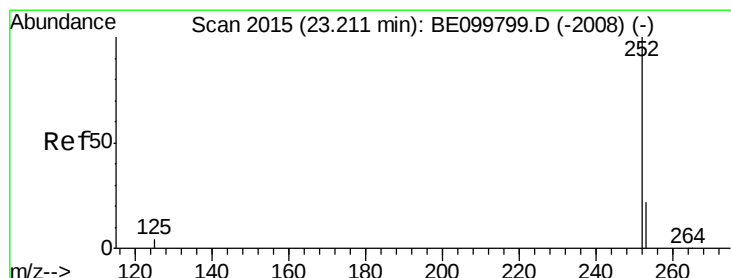
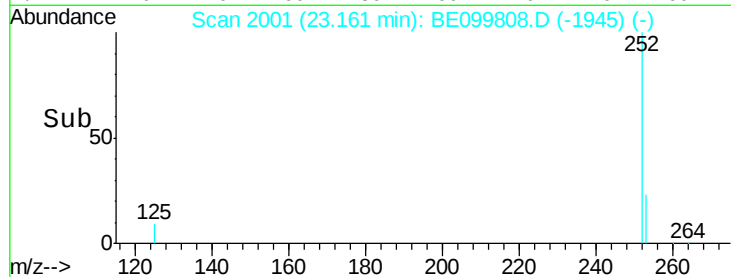
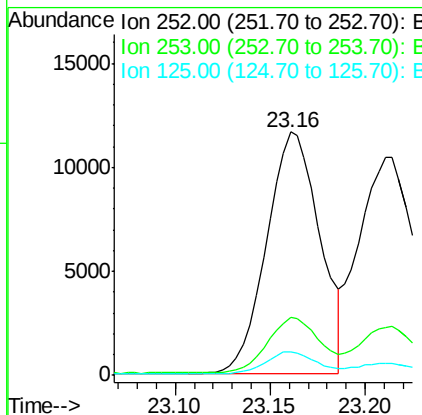
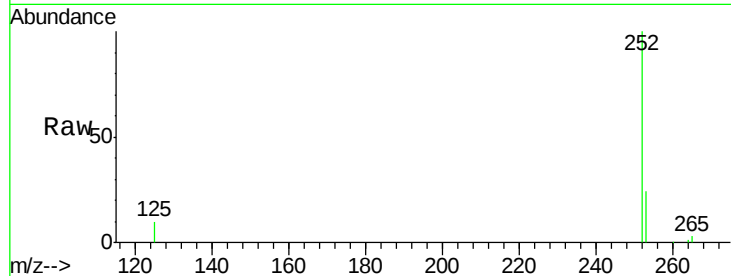
ClientSampleId :

SSTDCCC040

Tot Ion:	252	Resp:	22602
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.9	28.3
125	9.5	7.6	11.4

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM



#36

Benzo(k)fluoranthene

Concen: 0.356 ng

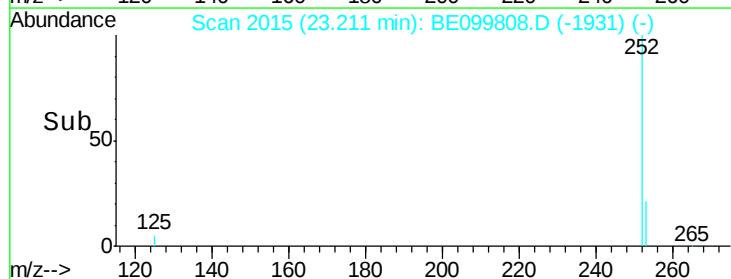
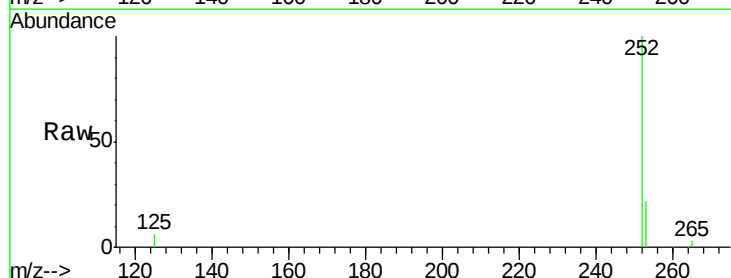
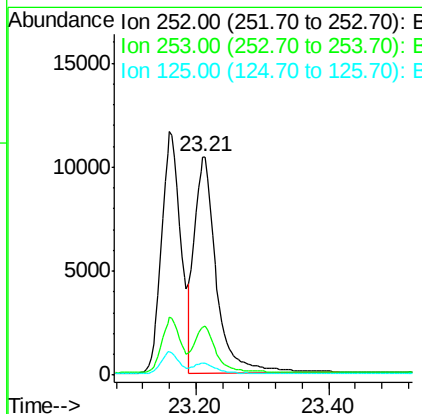
RT: 23.21 min Scan# 2015

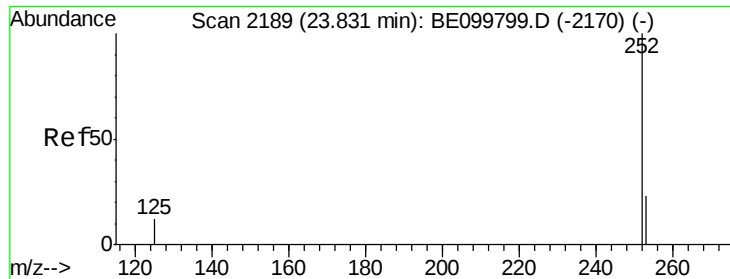
Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Tgt Ion:	252	Resp:	23786
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.4	27.6
125	5.7	4.6	7.0





#37

Benzo(a)pyrene

Concen: 0.356 ng

RT: 23.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Instrument :

BNA_E

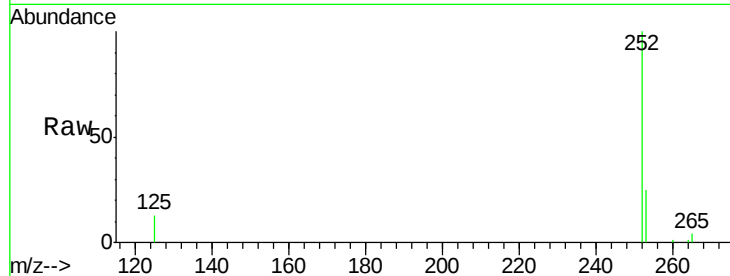
ClientSampleId :

SSTDCCC040

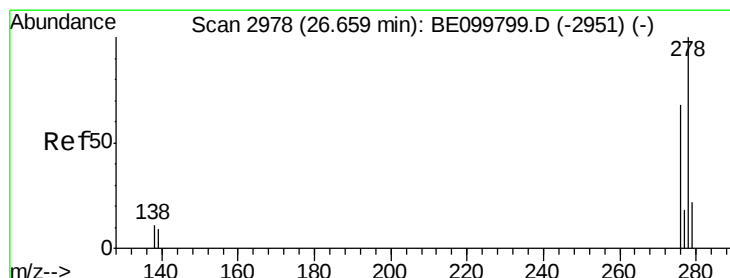
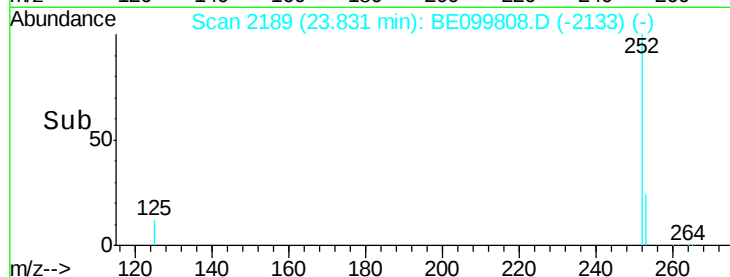
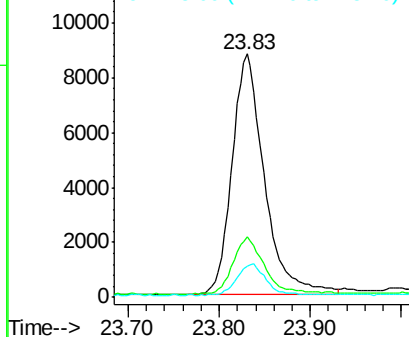
Tot Ion:	252	Resp:	21696
Ion Ratio	Lower	Upper	
252	100		
253	25.1	19.3	28.9
125	12.8	10.2	15.4

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 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: 0.358 ng

RT: 26.66 min Scan# 2979

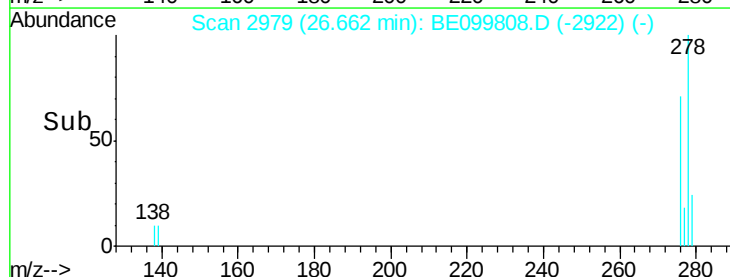
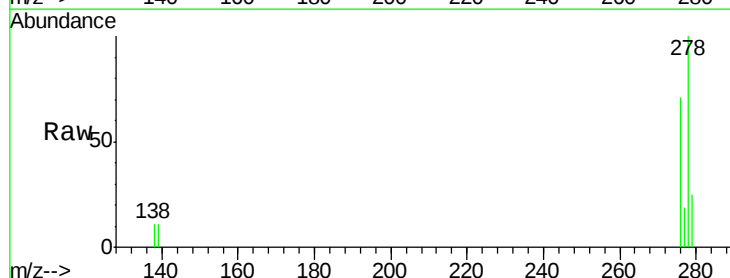
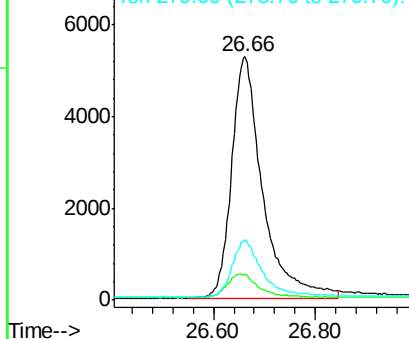
Delta R.T. 0.00 min

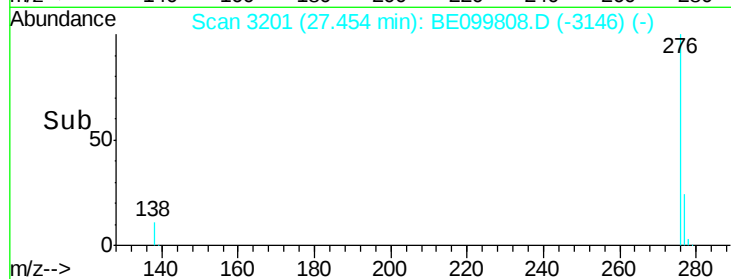
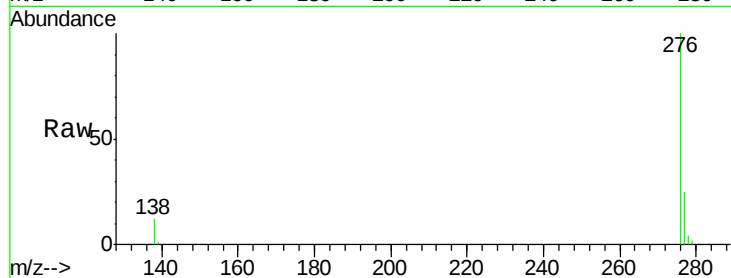
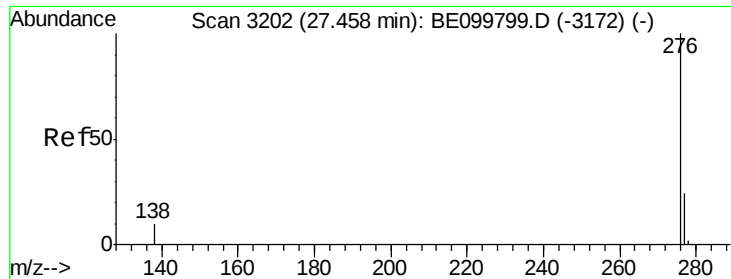
Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Tgt Ion:	278	Resp:	22199
Ion Ratio	Lower	Upper	
278	100		
139	10.6	7.9	11.9
279	25.0	18.5	27.7

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: 0.346 ng

RT: 27.45 min Scan# 3201

Delta R.T. -0.00 min

Lab File: BE099808.D

Acq: 5 Jun 2019 17:44

Tot Ion:	276	Resp:	22576
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.6	29.4
138	11.6	9.0	13.4

Instrument :

BNA_E

ClientSampleId :

SSTDCCC040

Manual Integrations
APPROVED

mohammad
6/6/2019 3:43:09 PM

