

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
 Data File : BE098213.D
 Acq On : 13 Nov 2018 17:52
 Operator : SJ/JU
 Sample : J5864-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-1

Manual Integrations
 APPROVED

Sohil
 11/14/2018 5:20:10 PM

Quant Time: Nov 13 18:26:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1117	0.40	ng	0.01
7) Naphthalene-d8	10.68	136	5577	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	3811	0.40	ng	0.01
19) Phenanthrene-d10	17.28	188	9661	0.40	ng	0.00
27) Chrysene-d12	21.46	240	10517	0.40	ng	0.00
34) Perylene-d12	24.01	264	10067	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1088	0.35	ng	0.00
5) Phenol-d6	7.05	99	1811	0.36	ng	0.00
8) Nitrobenzene-d5	9.03	82	1707	0.31	ng	0.01
11) 2-Methylnaphthalene-d10	12.28	152	3095	0.32	ng	0.01
14) 2,4,6-Tribromophenol	16.03	330	524	0.32	ng	0.01
15) 2-Fluorobiphenyl	13.16	172	4633	0.29	ng	0.01
25) Fluoranthene-d10	19.32	212	38943	0.32	ng	0.00
29) Terphenyl-d14	19.91	244	7044	0.30	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.73	128	1637	0.029	ng	# 89
16) Acenaphthylene	14.25	152	389	0.022	ng	# 82
23) Phenanthrene	17.33	178	1052	0.044	ng	95
26) Fluoranthene	19.34	202	4670	0.157	ng	99
28) Pyrene	19.71	202	5083	0.176	ng	# 95
30) Benzo(a)anthracene	21.45	228	5347	0.179	ng	# 90
31) Chrysene	21.51	228	4372m	0.144	ng	
32) Bis(2-ethylhexyl)phthalate	21.37	149	14099	0.227	ng	100
33) Indeno(1,2,3-cd)pyrene	26.70	276	2774	0.100	ng	99
35) Benzo(b)fluoranthene	23.23	252	5821	0.204	ng	# 88
36) Benzo(k)fluoranthene	23.28	252	2520m	0.084	ng	
37) Benzo(a)pyrene	23.90	252	4887	0.178	ng	# 88
38) Dibenzo(a,h)anthracene	26.73	278	978m	0.042	ng	
39) Benzo(g,h,i)perylene	27.53	276	2736	0.112	ng	# 88

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

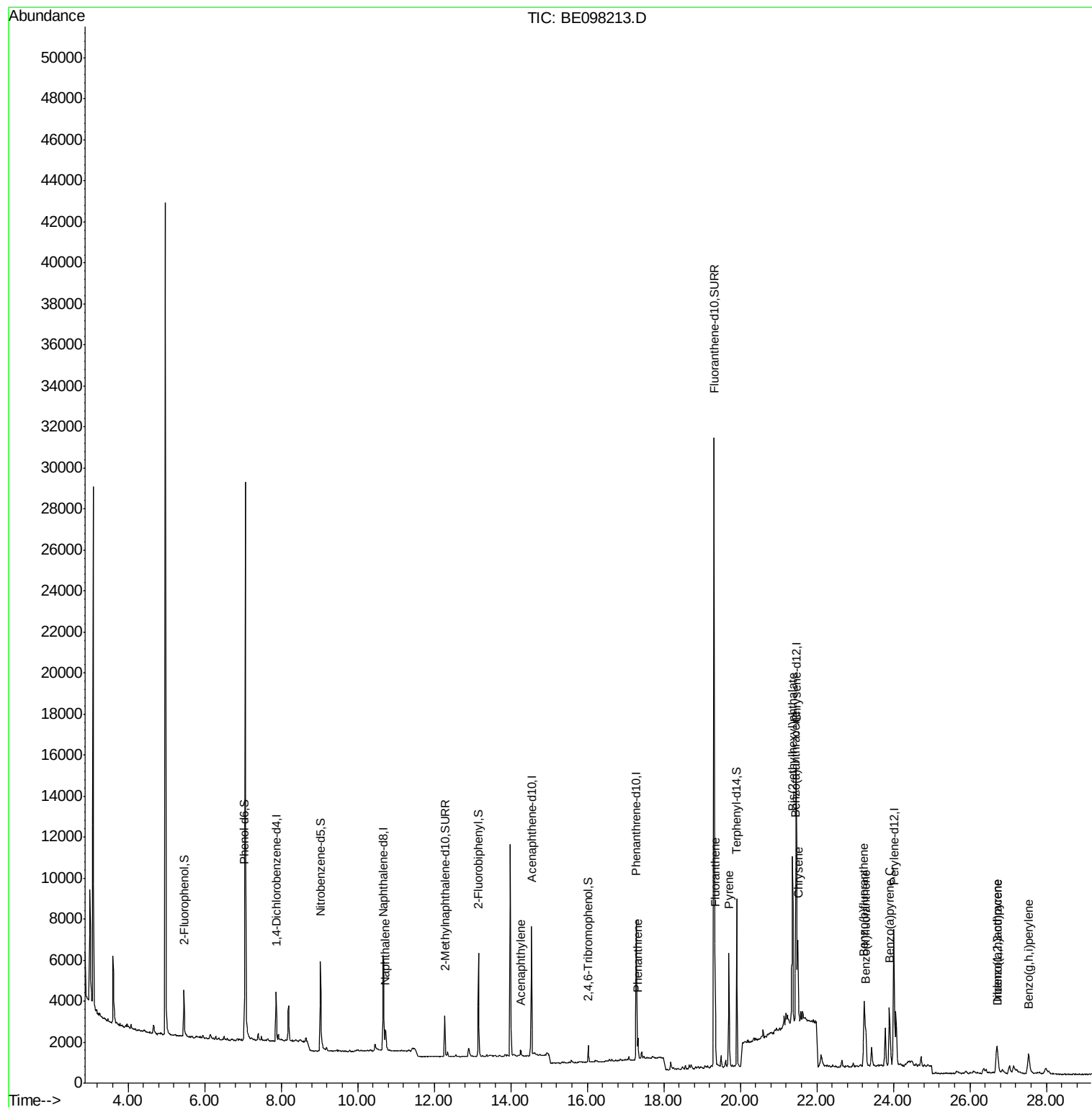
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
Data File : BE098213.D
Acq On : 13 Nov 2018 17:52
Operator : SJ/JU
Sample : J5864-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

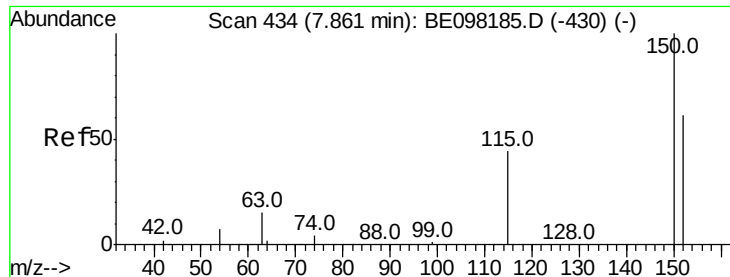
Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Quant Time: Nov 13 18:26:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 13:32:15 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM





#1

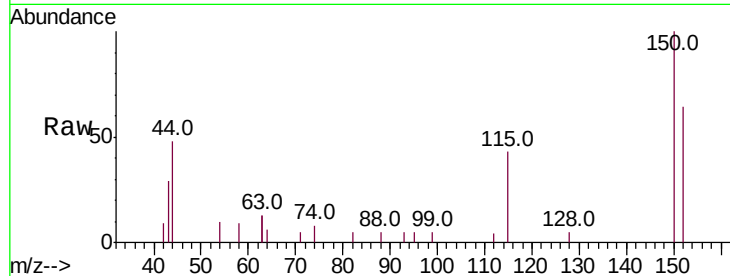
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.5	191.3
115	67.7	60.3	90.5

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM

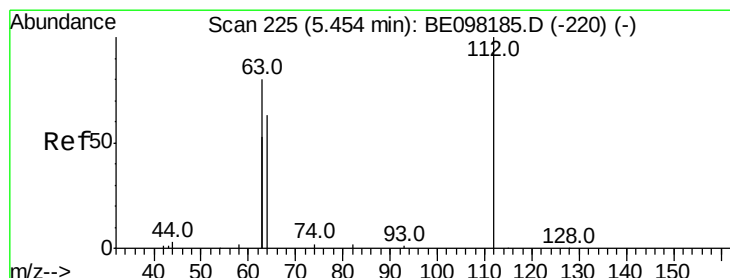
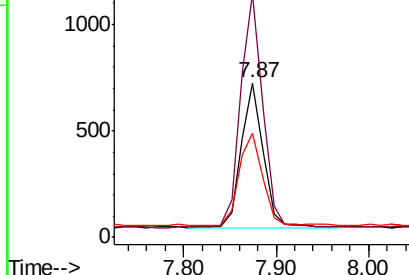
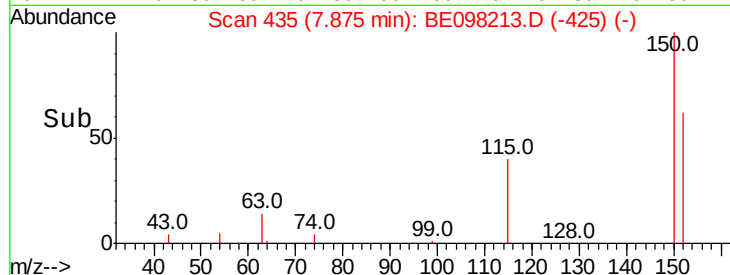


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

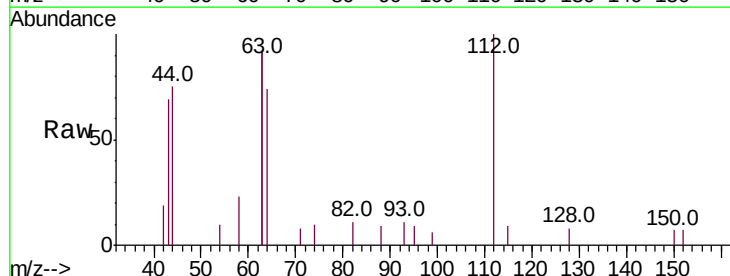
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.345 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	80.4	61.7	92.5
63	176.3	136.2	204.2

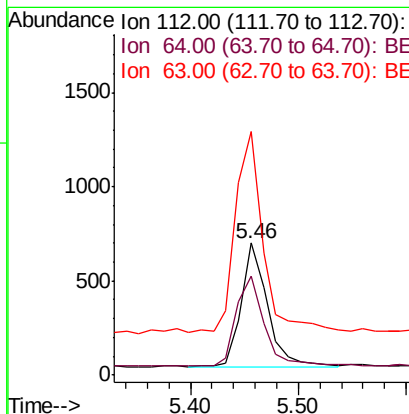
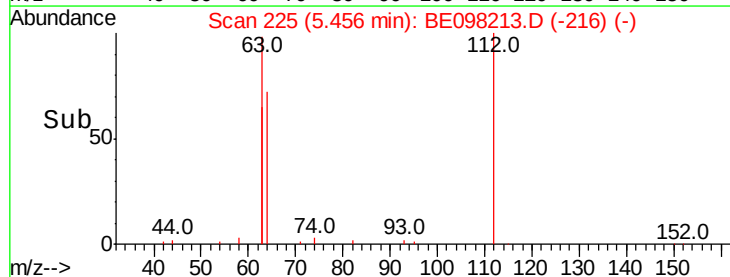


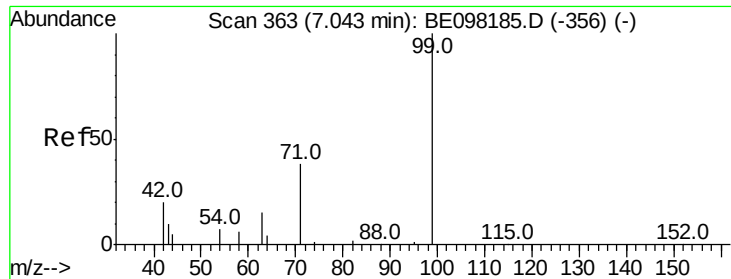
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.357 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Instrument :

BNA_E

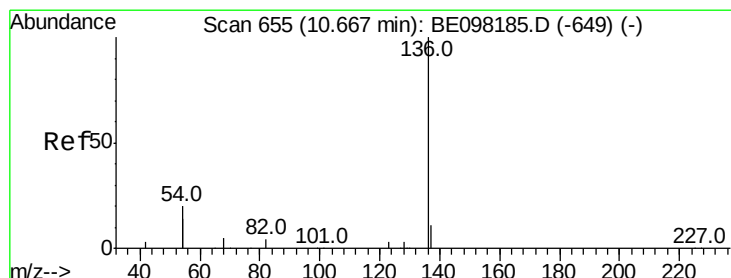
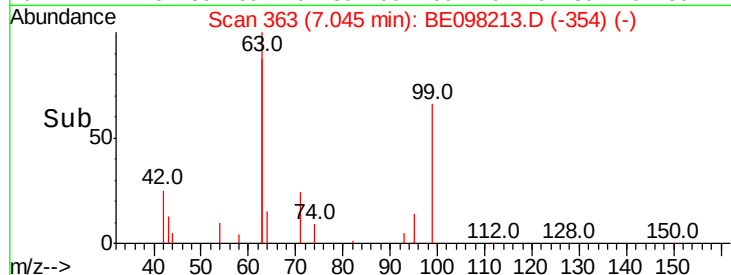
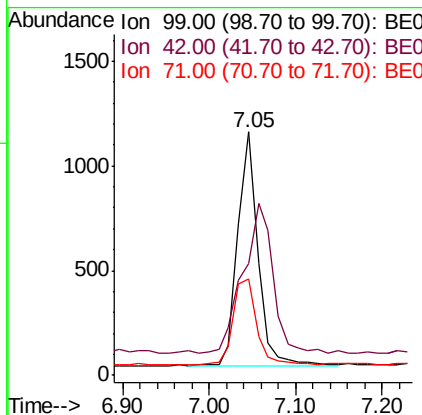
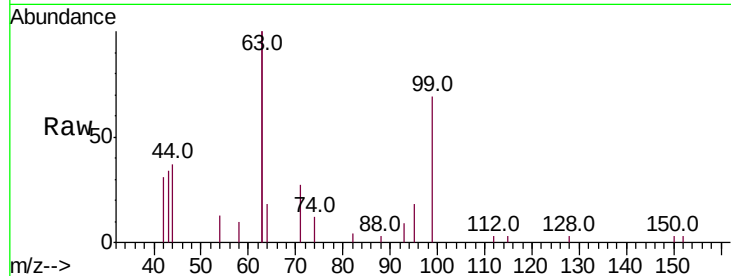
ClientSampleId :

OLDMANS-1

Tot Ion:	99	Resp:	1811
Ion	Ratio	Lower	Upper
99	100		
42	96.2	27.1	40.7#
71	42.3	37.0	55.6

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM



#7

Naphthalene-d8

Concen: 0.400 ng

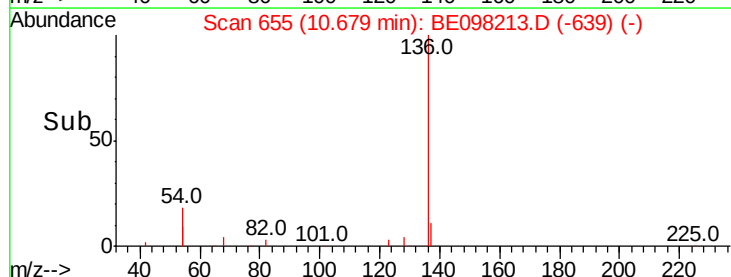
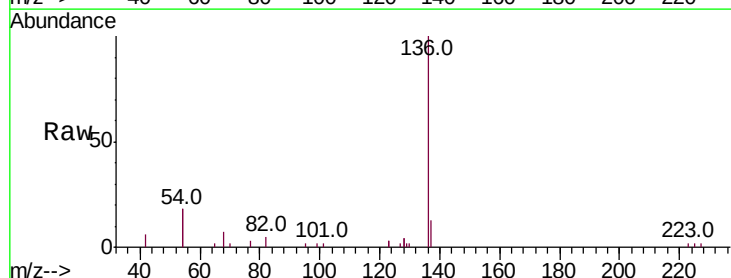
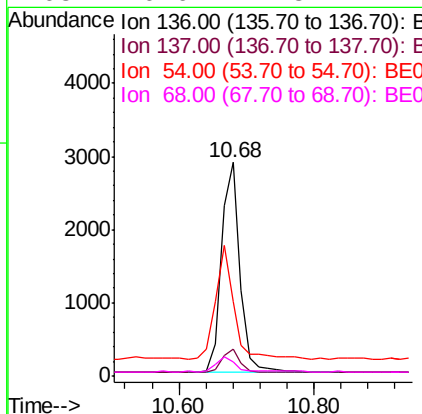
RT: 10.68 min Scan# 655

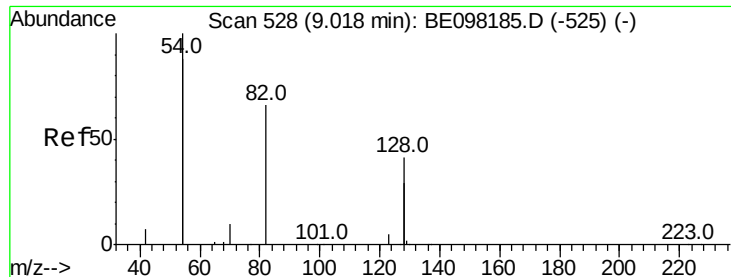
Delta R.T. 0.01 min

Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Tgt Ion:	136	Resp:	5577
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	35.0	31.3	46.9
68	6.6	4.8	7.2





#8

Nitrobenzene-d5

Concen: 0.307 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.01 min

Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Instrument :

BNA_E

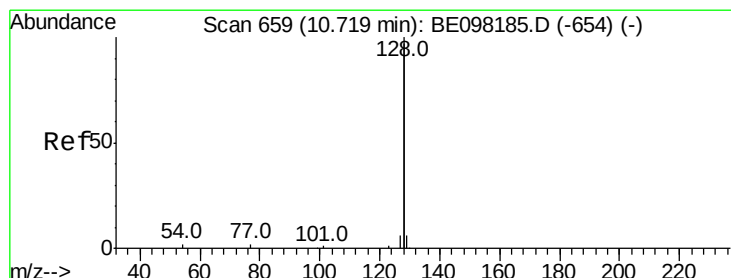
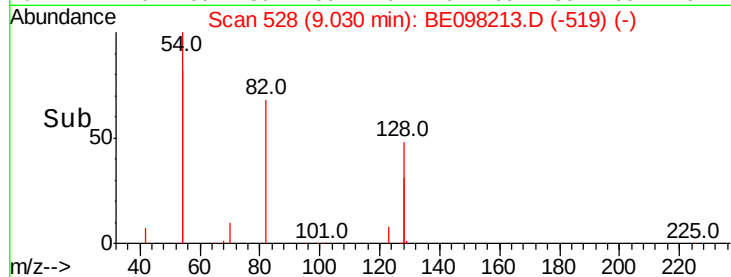
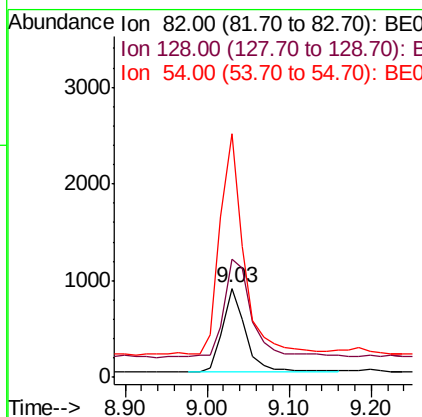
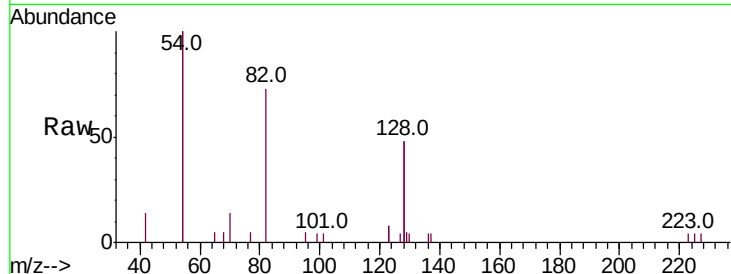
ClientSampled :

OLDMANS-1

Tot Ion:	82	Resp:	1707
Ion Ratio	Lower	Upper	
82	100		
128	132.7	96.1	144.1
54	274.3	232.0	348.0

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM



#9

Naphthalene

Concen: 0.029 ng

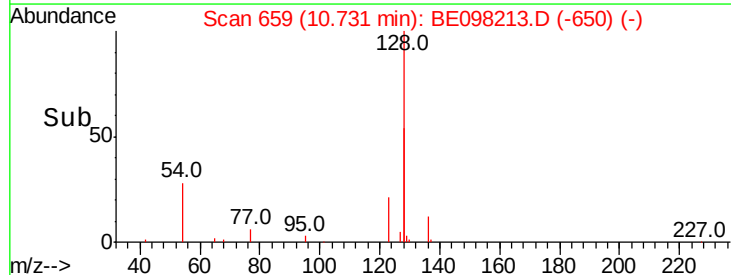
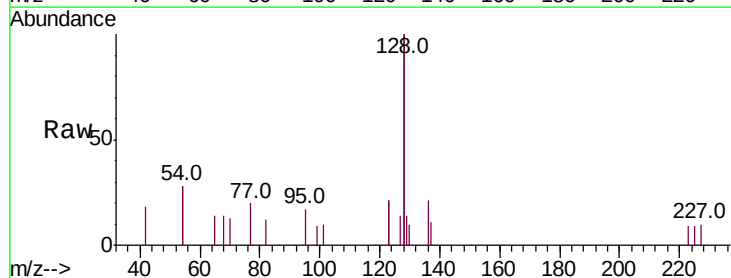
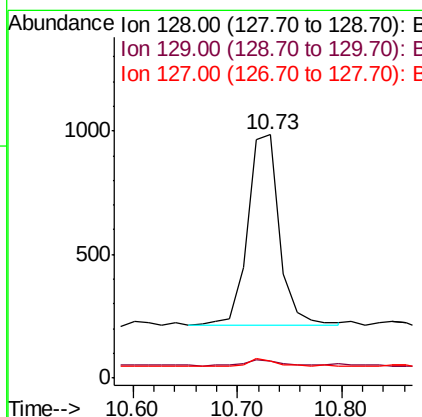
RT: 10.73 min Scan# 659

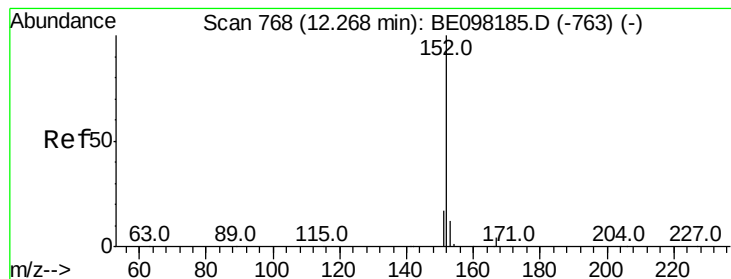
Delta R.T. 0.01 min

Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Tgt Ion:	128	Resp:	1637
Ion Ratio	Lower	Upper	
128	100		
129	7.1	2.6	4.0#
127	7.1	2.8	4.2#





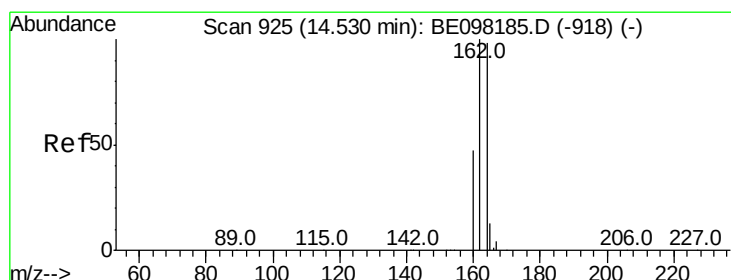
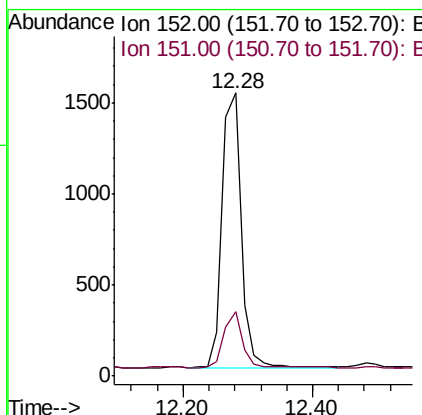
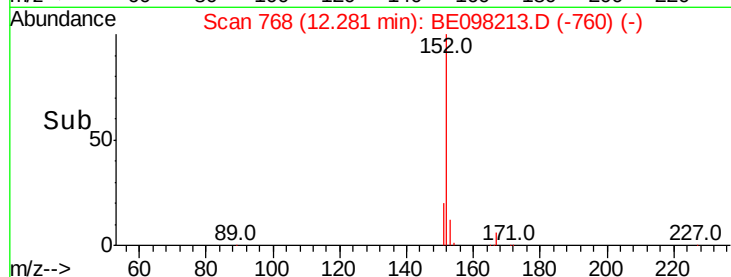
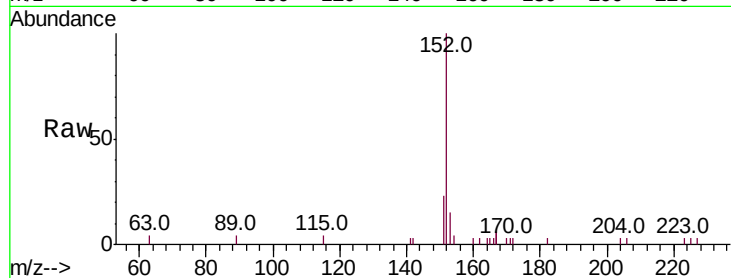
#11
 2-Methylnaphthalene-d10
 Concen: 0.316 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE098213.D
 Acq: 13 Nov 2018 17:52

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

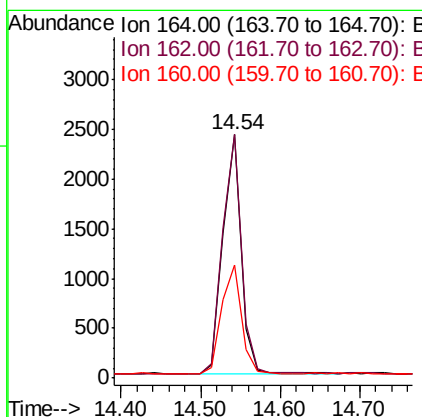
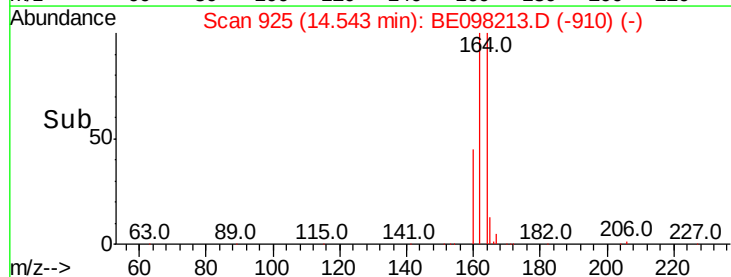
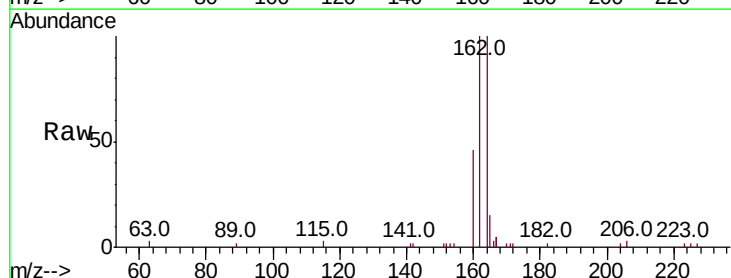
Manual Integrations
 APPROVED

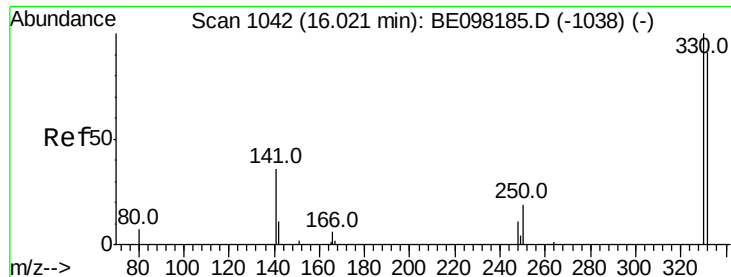
Sohil
 11/14/2018 5:20:10 PM



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: BE098213.D
 Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.8	122.6
160	46.4	39.4	59.0





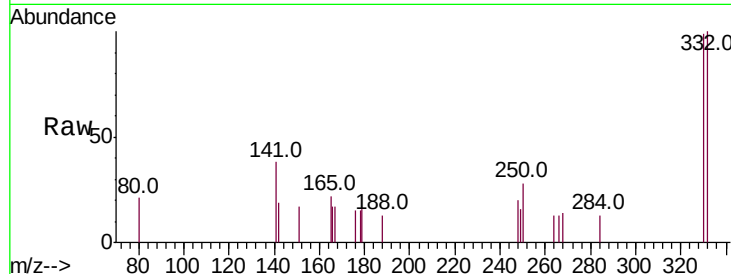
#14
 2,4,6-Tribromophenol
 Concen: 0.315 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BE098213.D
 Acq: 13 Nov 2018 17:52

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.7	116.5
141	46.0	33.6	50.4

Manual Integrations
 APPROVED

Sohil
 11/14/2018 5:20:10 PM

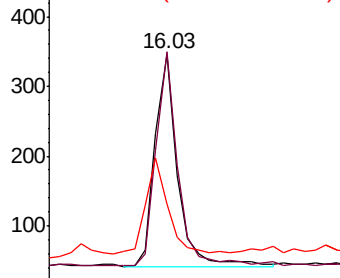


Abundance

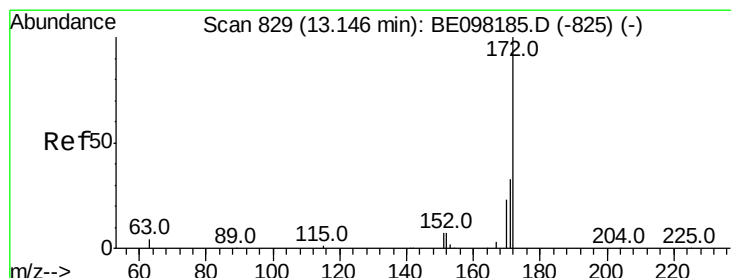
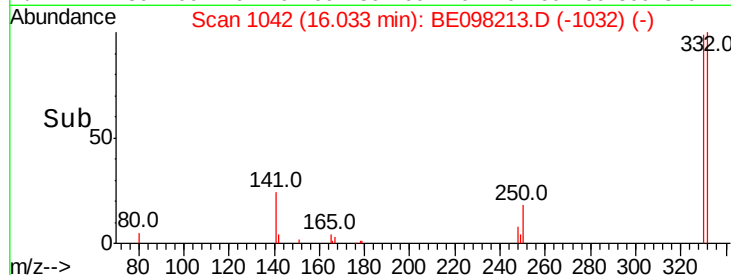
Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

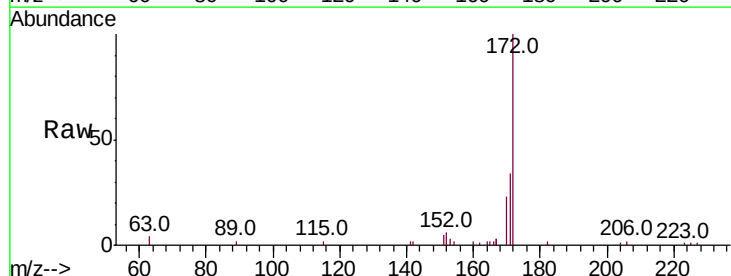


Time-->



#15
 2-Fluorobiphenyl
 Concen: 0.290 ng
 RT: 13.16 min Scan# 829
 Delta R.T. 0.01 min
 Lab File: BE098213.D
 Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.3	40.9
170	23.2	19.4	29.0

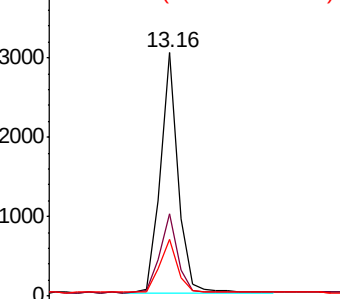


Abundance

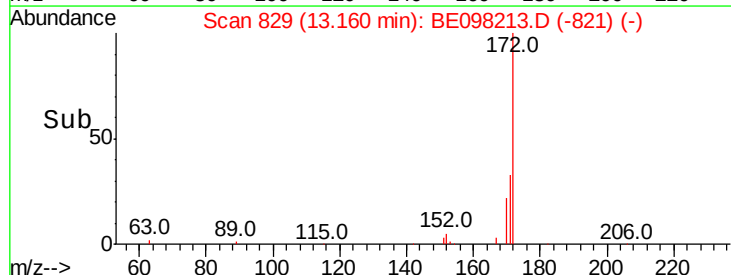
Ion 172.00 (171.70 to 172.70): E

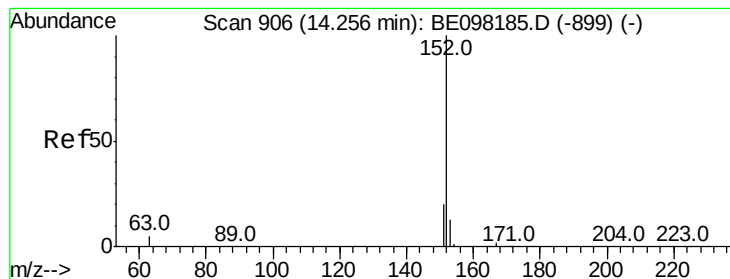
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->





#16

Acenaphthylene

Concen: 0.022 ng

RT: 14.25 min Scan# 905

Delta R.T. -0.00 min

Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Instrument :

BNA_E

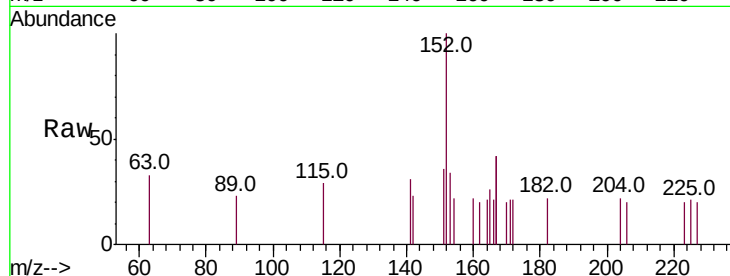
ClientSampleId :

OLDMANS-1

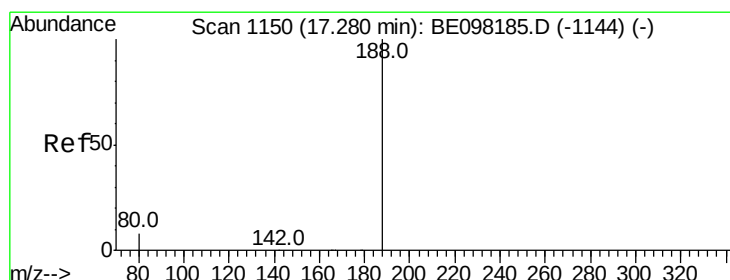
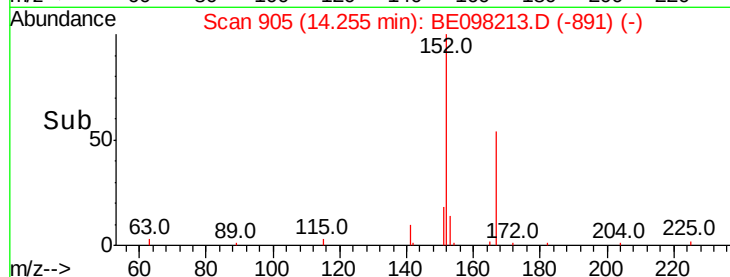
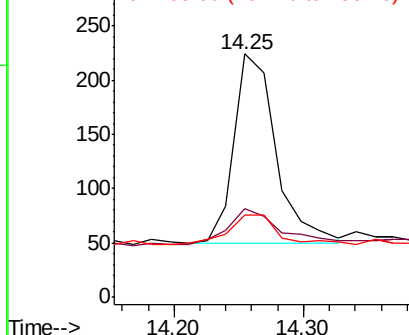
Tot Ion	Ratio	Lower	Upper
152	100		
151	28.8	16.4	24.6#
153	20.1	10.6	15.8#

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

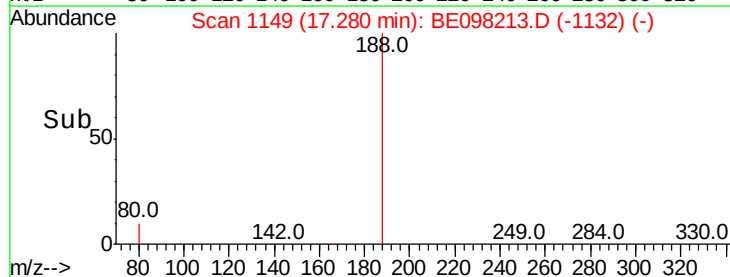
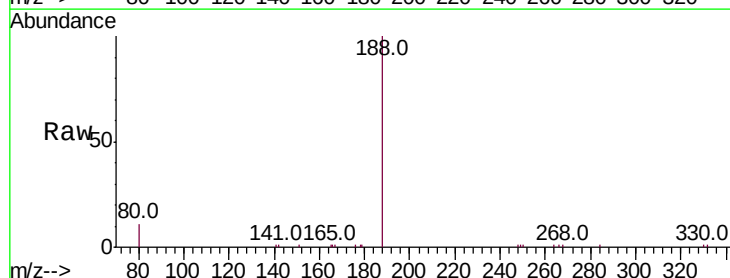
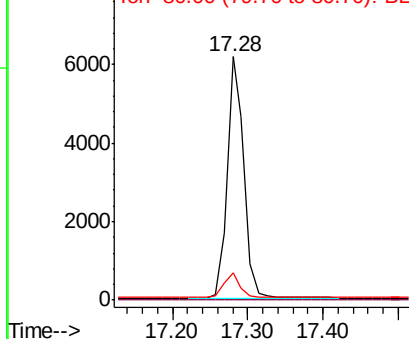
Delta R.T. 0.00 min

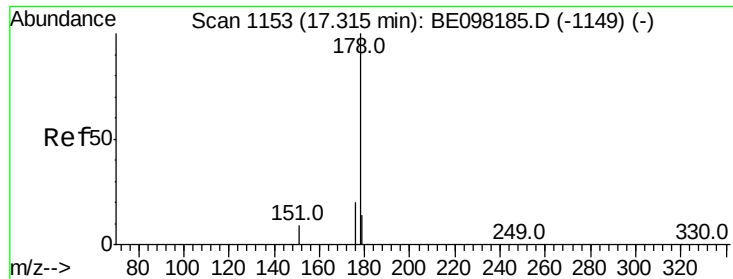
Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	6.7	10.1#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0





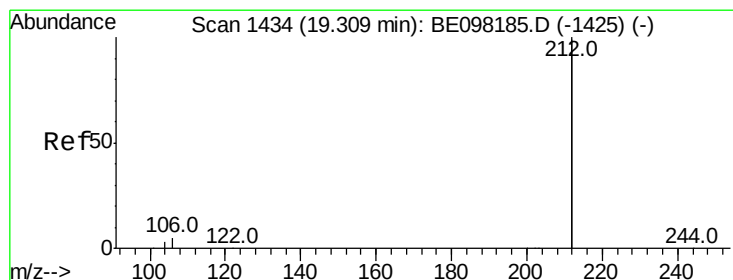
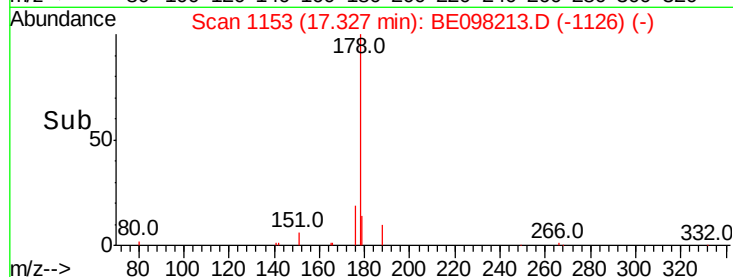
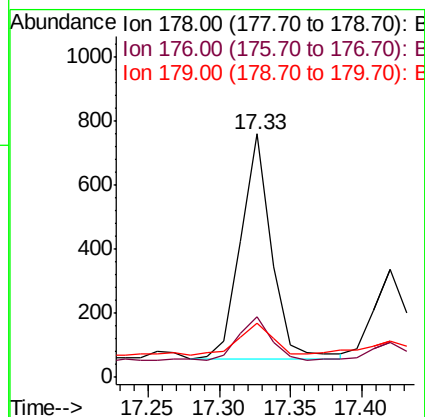
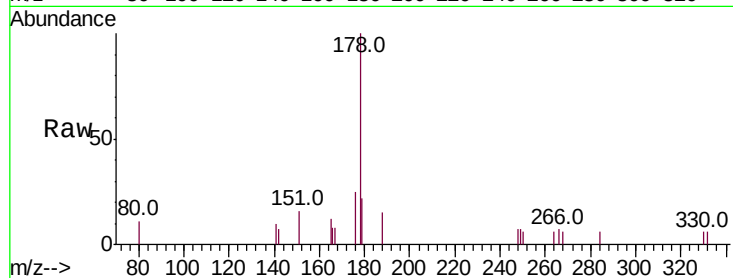
#23
Phenanthrene
Concen: 0.044 ng
RT: 17.33 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.0	15.8	23.8
179	17.8	12.3	18.5

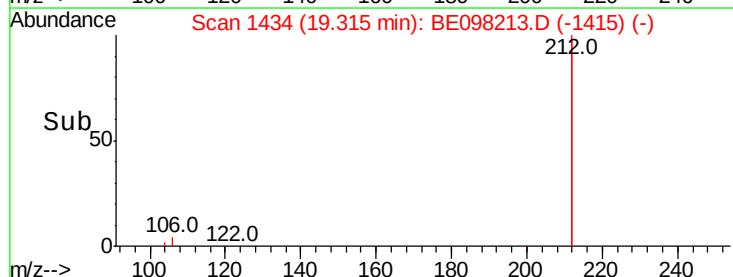
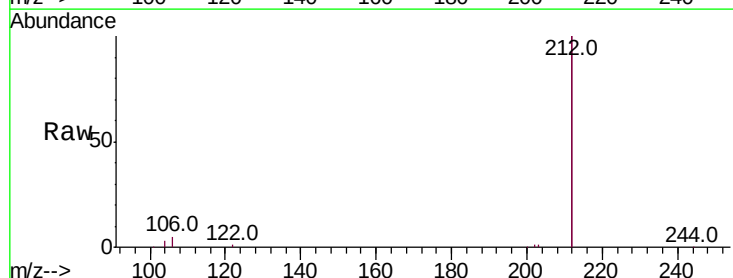
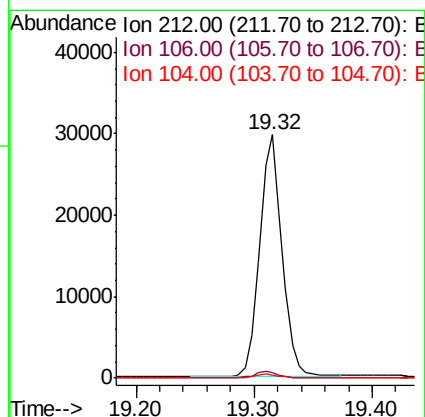
Manual Integrations
APPROVED

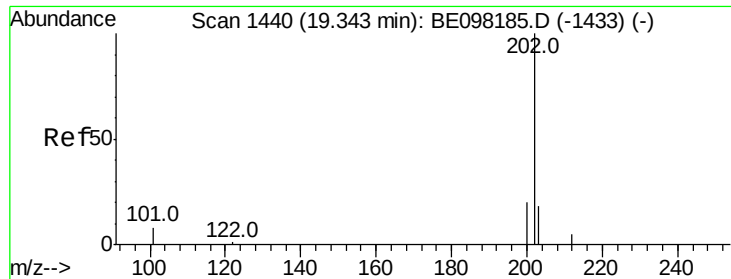
Sohil
11/14/2018 5:20:10 PM



#25
Fluoranthene-d10
Concen: 0.323 ng
RT: 19.32 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.8	2.8
104	1.5	1.1	1.7





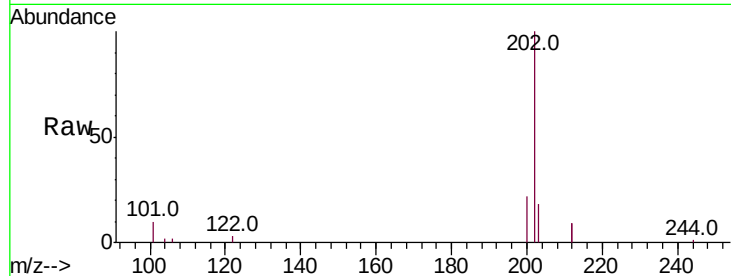
#26
Fluoranthene
Concen: 0.157 ng
RT: 19.34 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.0	10.6
203	17.0	13.7	20.5

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM

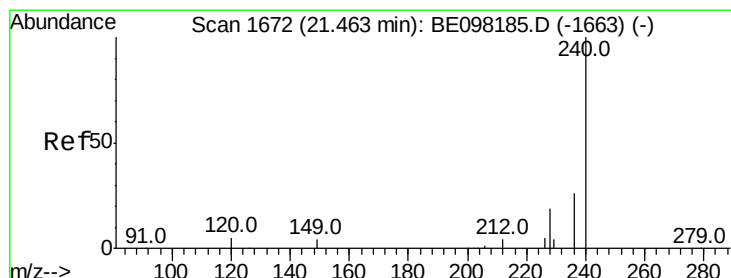
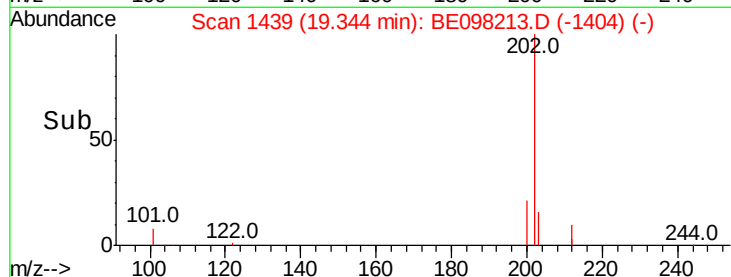
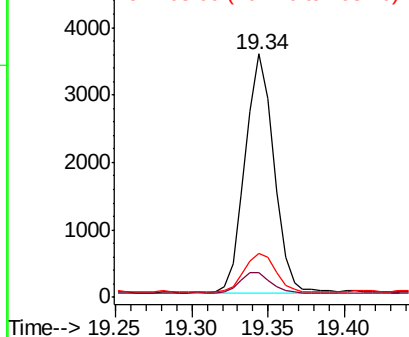


Abundance

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: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

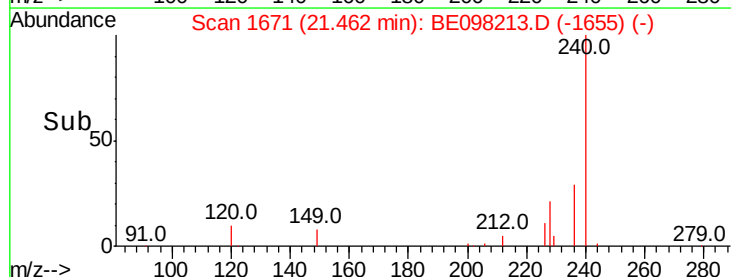
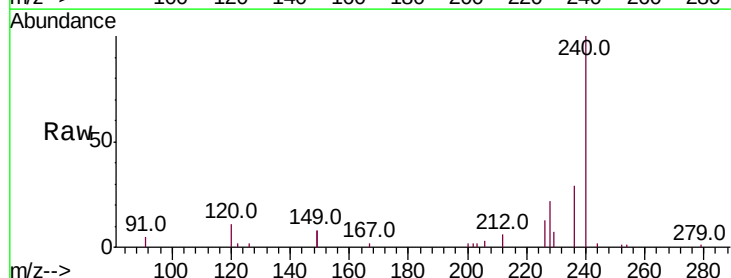
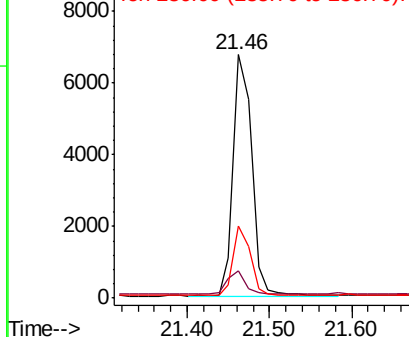
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	4.8	7.2#
236	29.4	21.4	32.0

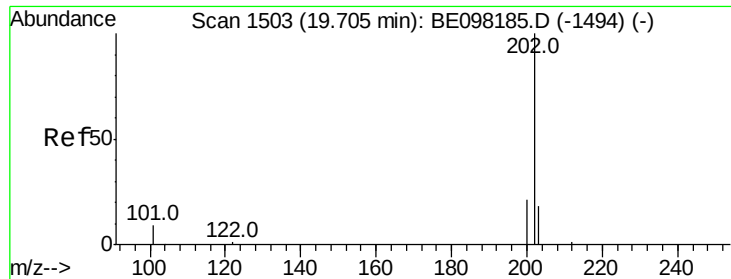
Abundance

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





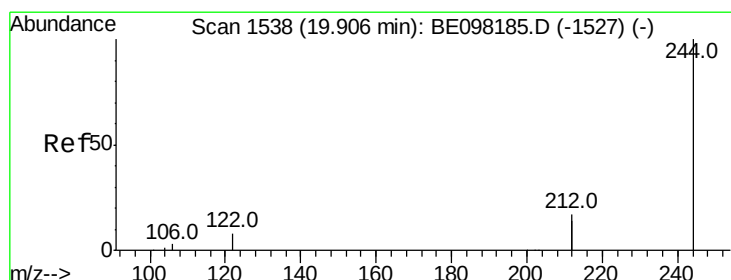
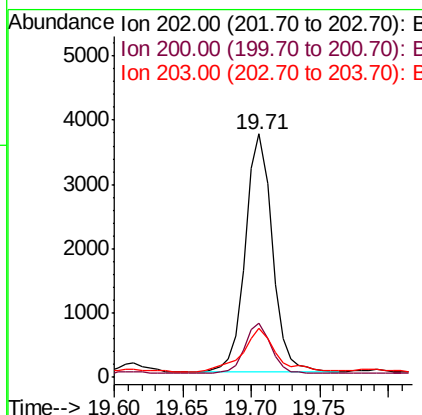
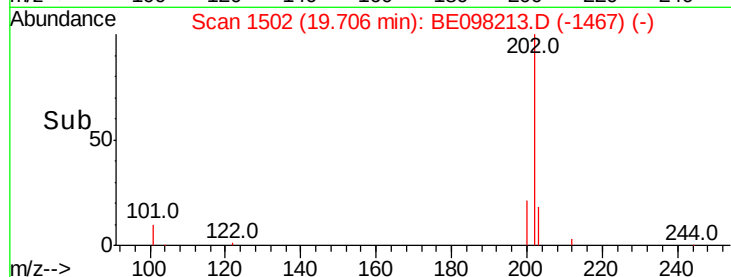
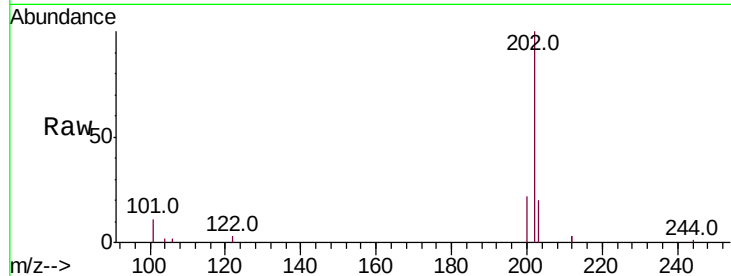
#28
Pvrene
Concen: 0.176 ng
RT: 19.71 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	22.2	14.2	21.4

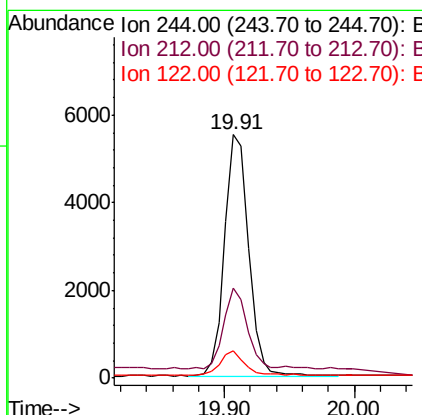
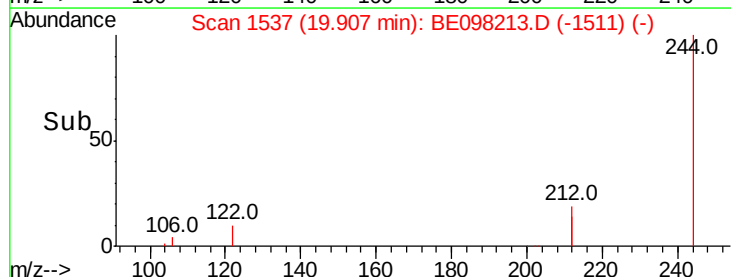
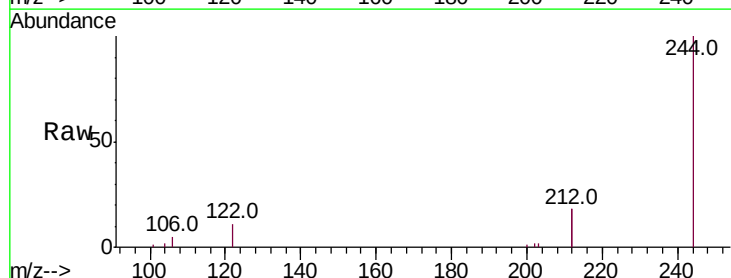
Manual Integrations
APPROVED

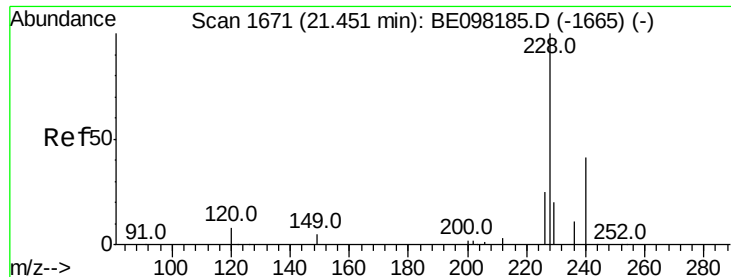
Sohil
11/14/2018 5:20:10 PM



#29
Terphenyl-d14
Concen: 0.295 ng
RT: 19.91 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	36.8	26.8	40.2
122	11.3	7.0	10.6





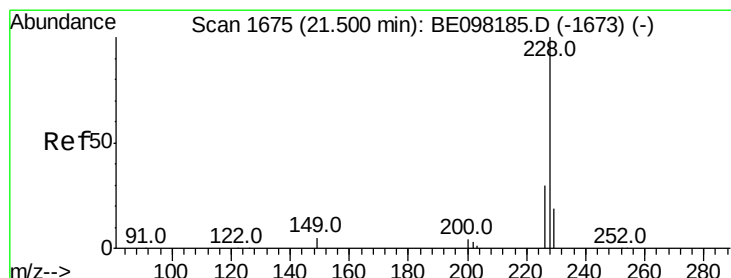
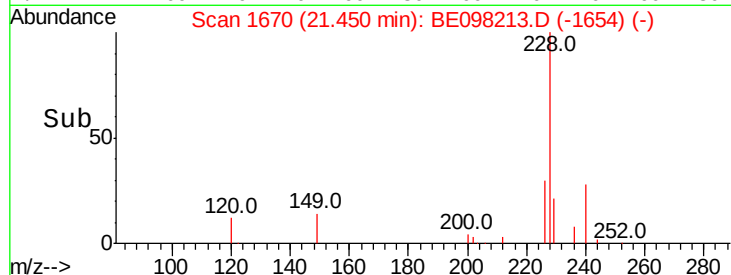
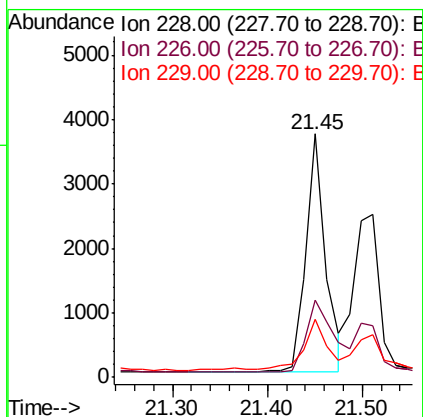
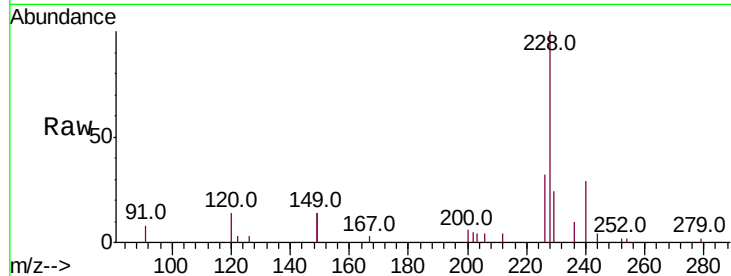
#30
Benzo(a)anthracene
Concen: 0.179 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	20.7	31.1#
229	23.7	16.2	24.4

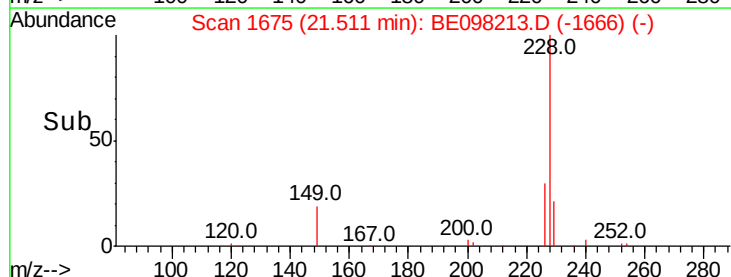
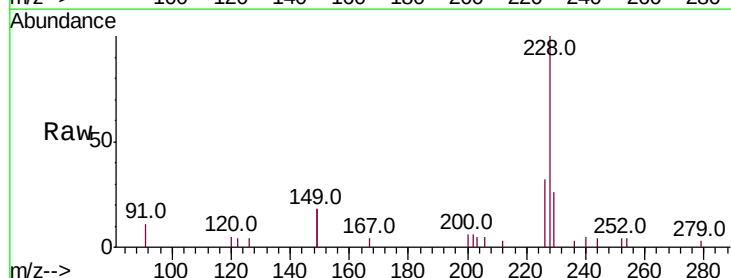
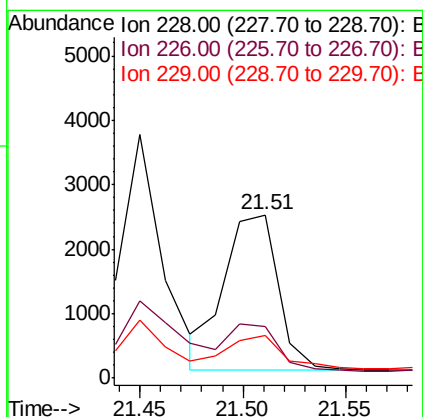
Manual Integrations
APPROVED

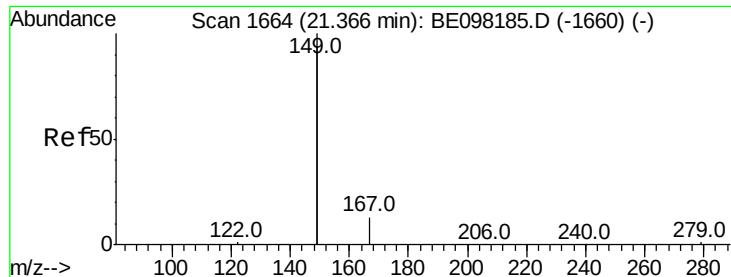
Sohil
11/14/2018 5:20:10 PM



#31
Chrysene
Concen: 0.144 ng m
RT: 21.51 min Scan# 1675
Delta R.T. 0.01 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.6	36.8
229	25.8	16.0	24.0#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.227 ng

RT: 21.37 min Scan# 1663

Delta R.T. -0.00 min

Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Instrument :

BNA_E

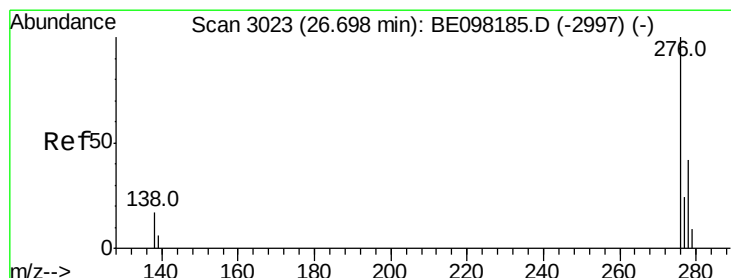
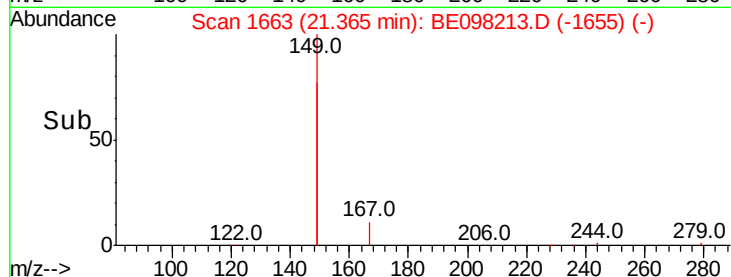
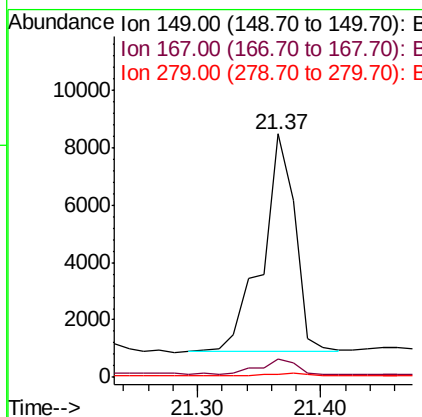
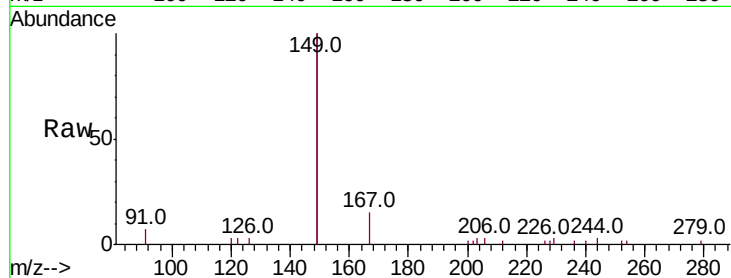
ClientSampleId :

OLDMANS-1

Tot Ion:	149	Resp:	14099
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.6	8.4
279	1.0	0.9	1.3

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.100 ng

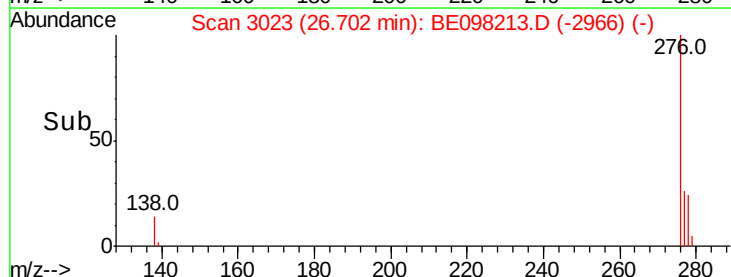
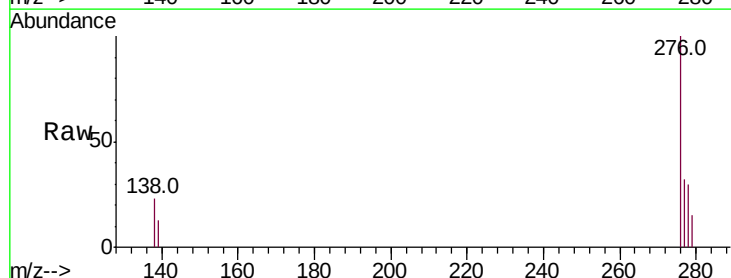
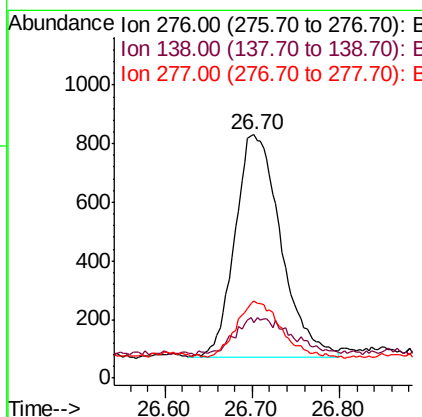
RT: 26.70 min Scan# 3023

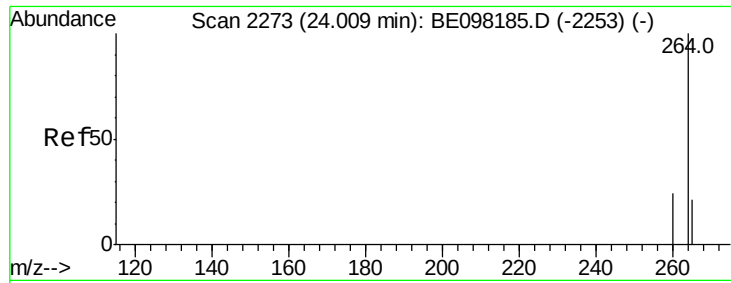
Delta R.T. 0.00 min

Lab File: BE098213.D

Acq: 13 Nov 2018 17:52

Tgt Ion:	276	Resp:	2774
Ion Ratio	Lower	Upper	
276	100		
138	6.8	6.4	9.6
277	23.4	18.9	28.3





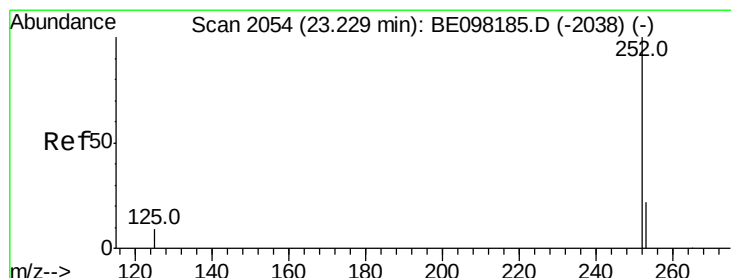
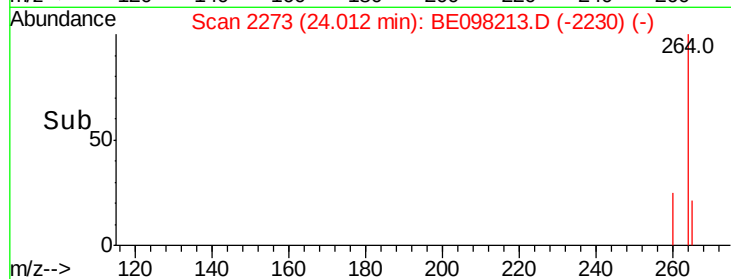
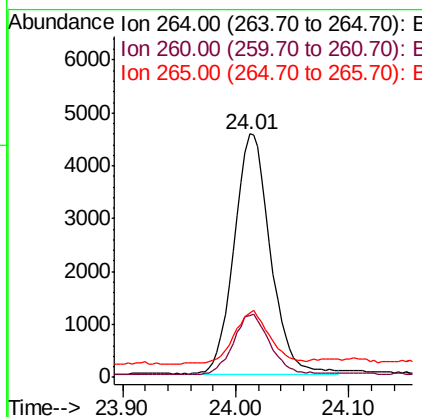
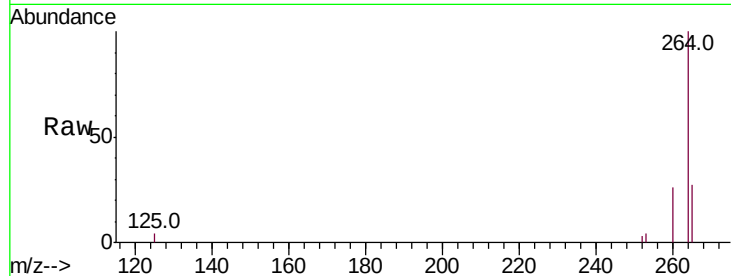
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: BE098213.D
 Acq: 13 Nov 2018 17:52

Instrument :
 BNA_E
 ClientSampleId :
 OLDMANS-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.9	29.9
265	26.6	21.3	31.9

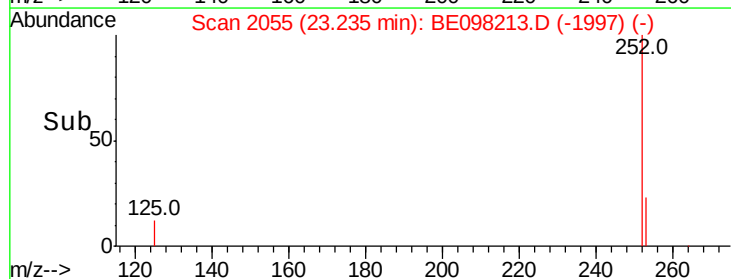
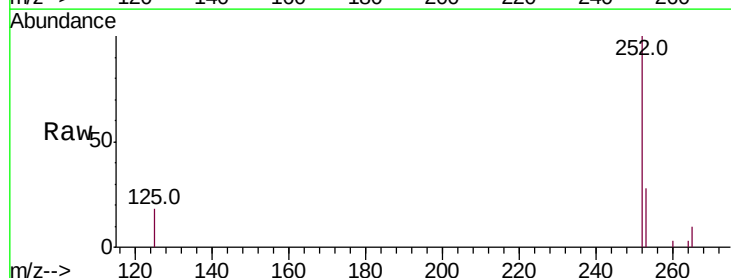
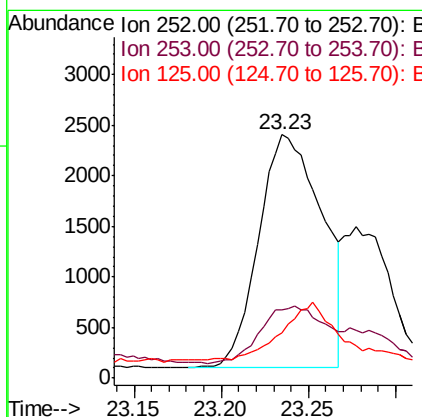
Manual Integrations
 APPROVED

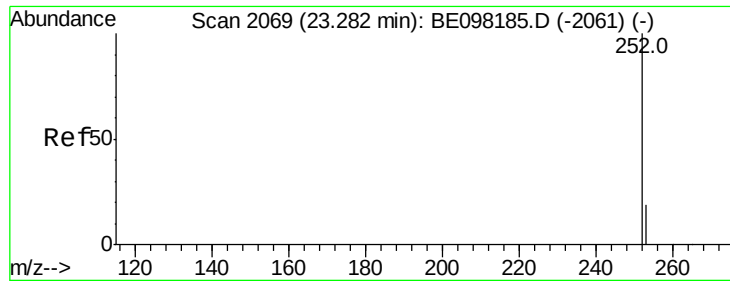
Sohil
 11/14/2018 5:20:10 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.204 ng
 RT: 23.23 min Scan# 2055
 Delta R.T. 0.01 min
 Lab File: BE098213.D
 Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	19.4	29.0
125	18.4	8.6	12.8





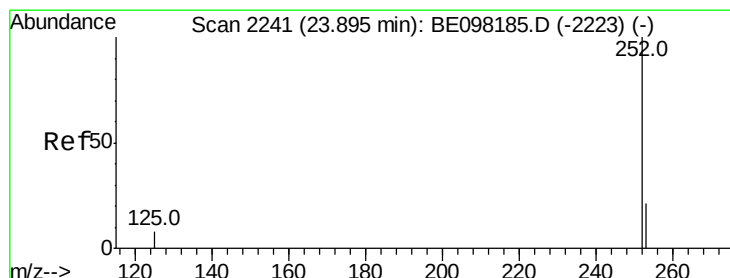
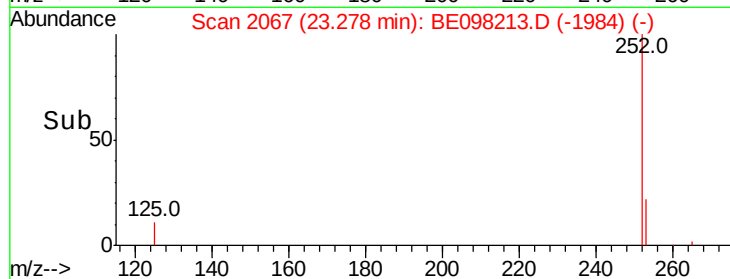
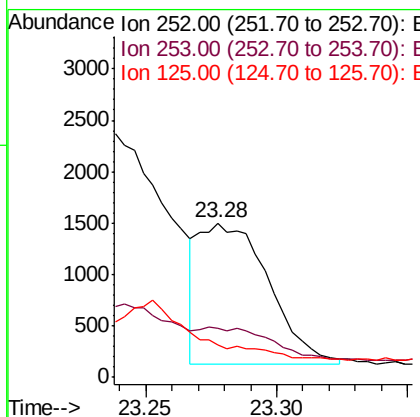
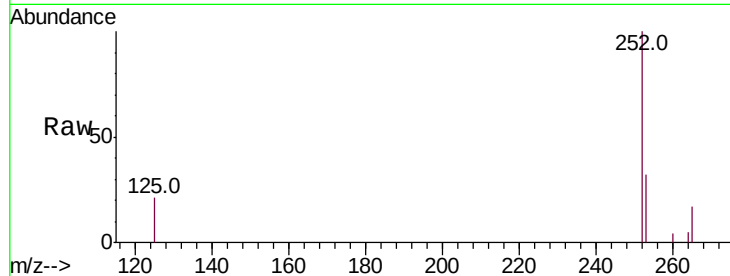
#36
Benzo(k)fluoranthene
Concen: 0.084 ng m
RT: 23.28 min Scan# 2067
Delta R.T. -0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.8	18.6	28.0#
125	21.2	7.4	11.0#

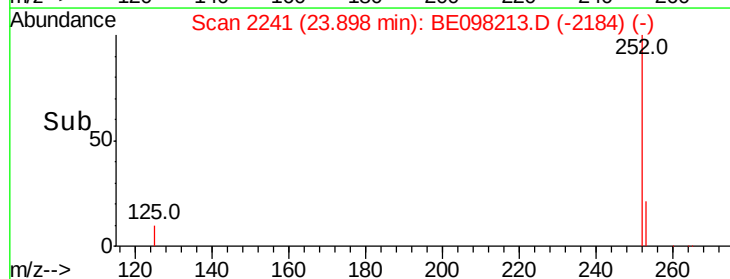
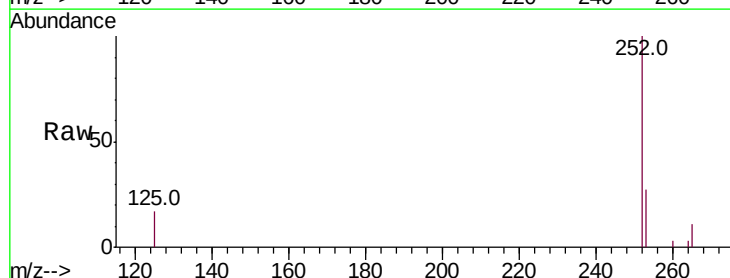
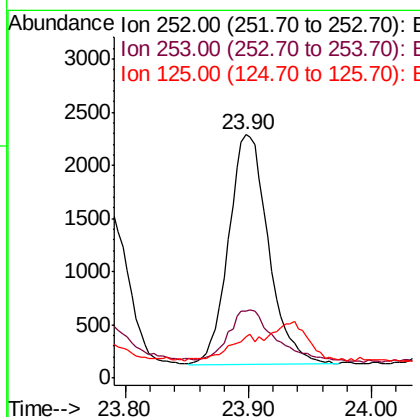
Manual Integrations
APPROVED

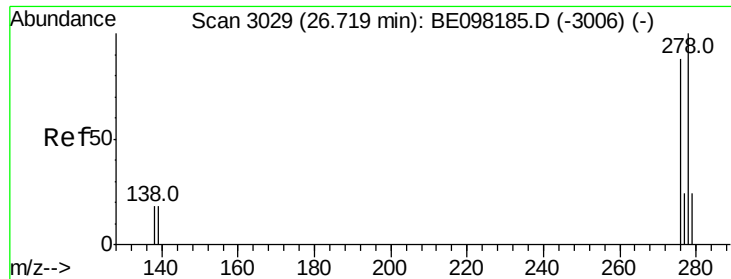
Sohil
11/14/2018 5:20:10 PM



#37
Benzo(a)pyrene
Concen: 0.178 ng
RT: 23.90 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.6	27.8
125	16.8	8.0	12.0#





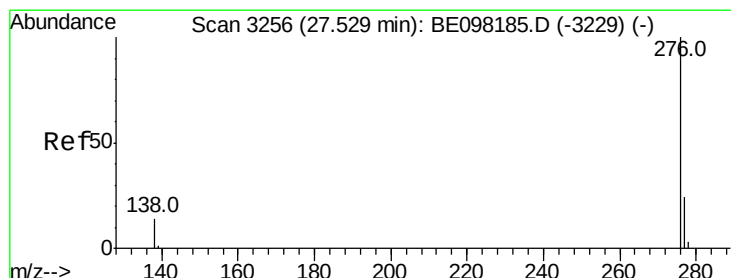
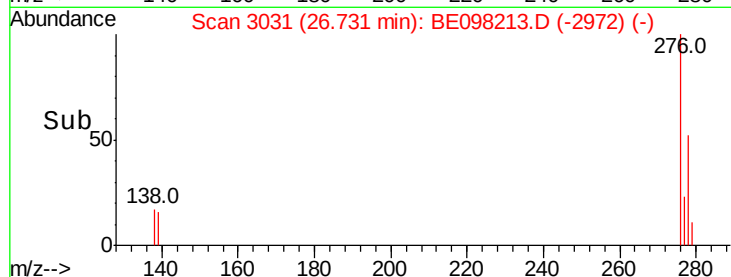
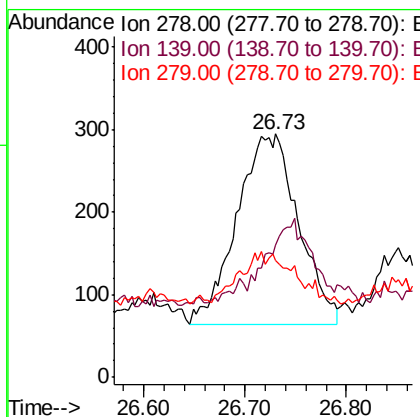
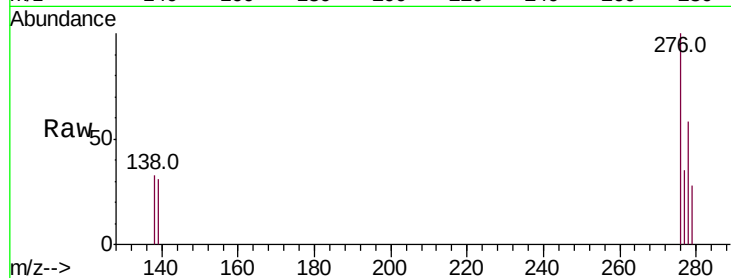
#38
Dibenzo(a,h)anthracene
Concen: 0.042 ng m
RT: 26.73 min Scan# 3031
Delta R.T. 0.01 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Instrument :
BNA_E
ClientSampleId :
OLDMANS-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	54.2	16.4	24.6#
279	48.1	21.3	31.9#

Manual Integrations
APPROVED

Sohil
11/14/2018 5:20:10 PM



#39
Benzo(g,h,i)perylene
Concen: 0.112 ng
RT: 27.53 min Scan# 3256
Delta R.T. 0.00 min
Lab File: BE098213.D
Acq: 13 Nov 2018 17:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	20.4	30.6
138	24.4	13.2	19.8#

