

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
 Data File : BE094429.D
 Acq On : 17 Oct 2017 13:52
 Operator : SJ/JU
 Sample : PB102812BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102812BS

Manual Integrations
 APPROVED

Sohil
 10/18/2017 7:21:13 PM

Quant Time: Oct 17 20:28:47 2017
 Quant Method : Z:\HPCHEM1\BNA_E\Methods\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1280	0.40	ng	-0.01
7) Naphthalene-d8	10.71	136	6172	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3745	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	6853	0.40	ng	0.00
27) Chrysene-d12	21.43	240	10960	0.40	ng	0.00
34) Perylene-d12	23.96	264	10051	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.52	112	1452	0.34	ng	0.00
5) Phenol-d6	7.11	99	2003	0.30	ng	-0.01
8) Nitrobenzene-d5	9.06	82	1820m	0.34	ng	-0.02
11) 2-Methylnaphthalene-d10	12.29	152	3288	0.35	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	452	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	4397	0.33	ng	0.00
25) Fluoranthene-d10	19.28	212	40272	0.36	ng	0.00
29) Terphenyl-d14	19.87	244	6717	0.30	ng	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.41	88	582	0.234 ng	# 1
3) n-Nitrosodimethylamine	3.74	42	754	0.339 ng	# 95
6) bis(2-Chloroethyl)ether	7.33	93	1461	0.293 ng	91
9) Naphthalene	10.74	128	21884	0.317 ng	99
10) Hexachlorobutadiene	11.02	225	809	0.293 ng	98
12) 2-Methylnaphthalene	12.36	142	3710	0.326 ng	99
16) Acenaphthylene	14.24	152	5942	0.293 ng	99
17) Acenaphthene	14.58	154	3785	0.296 ng	98
18) Fluorene	15.58	166	5045	0.306 ng	97
20) 4-Bromophenyl-phenylether	16.45	248	1013	0.295 ng	# 44
21) Hexachlorobenzene	16.58	284	1785	0.274 ng	# 58
22) Pentachlorophenol	16.97	266	332	0.616 ng	88
23) Phenanthrene	17.30	178	7889m	0.292 ng	
24) Anthracene	17.40	178	6912m	0.332 ng	
26) Fluoranthene	19.31	202	10832	0.324 ng	99
28) Pyrene	19.67	202	11247	0.272 ng	99
30) Benzo(a)anthracene	21.40	228	11245	0.297 ng	# 65
31) Chrysene	21.46	228	10751	0.295 ng	# 67
32) Bis(2-ethylhexyl)phthalate	21.29	149	29858	0.274 ng	99
33) Indeno(1,2,3-cd)pyrene	26.65	276	11090	0.302 ng	98
35) Benzo(b)fluoranthene	23.18	252	10502	0.308 ng	# 45
36) Benzo(k)fluoranthene	23.23	252	10641	0.317 ng	# 45
37) Benzo(a)pyrene	23.84	252	9792	0.306 ng	# 40
38) Dibenzo(a,h)anthracene	26.65	278	9157	0.302 ng	# 50
39) Benzo(g,h,i)perylene	27.48	276	8881	0.304 ng	# 60

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

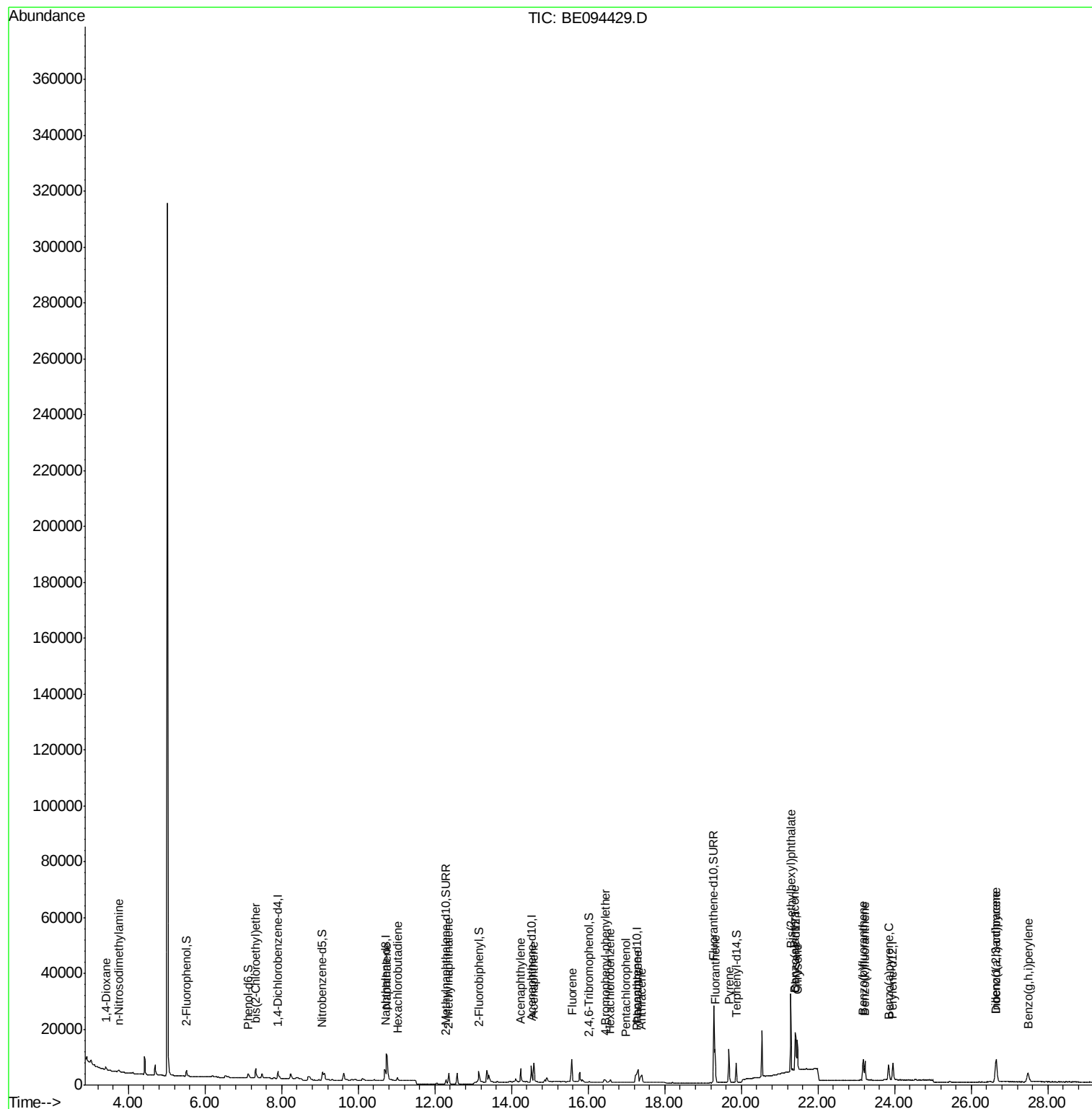
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101717\
Data File : BE094429.D
Acq On : 17 Oct 2017 13:52
Operator : SJ/JU
Sample : PB102812BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

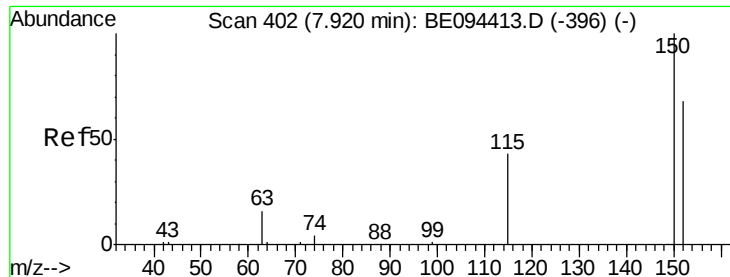
Instrument :
BNA_E
ClientSampleId :
PB102812BS

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 PM

Quant Time: Oct 17 20:28:47 2017
Quant Method : Z:\HPCHEM1\BNA_E\Methods\8270-SIM-BE101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration





#1

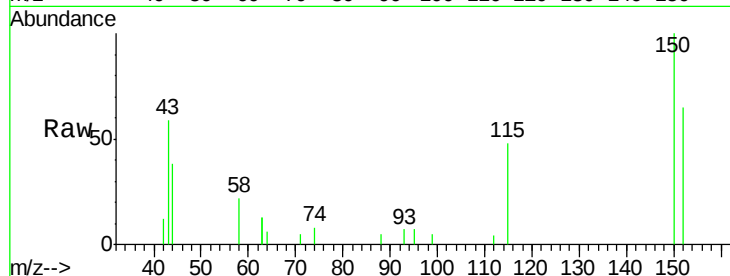
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.01 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

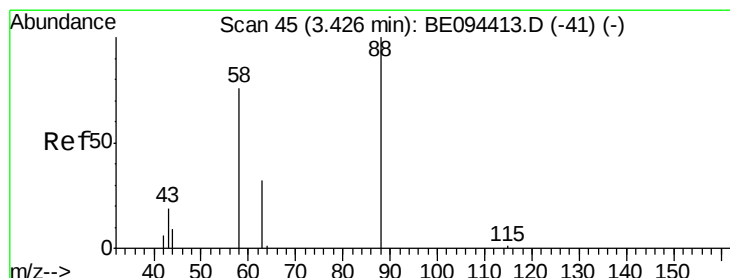
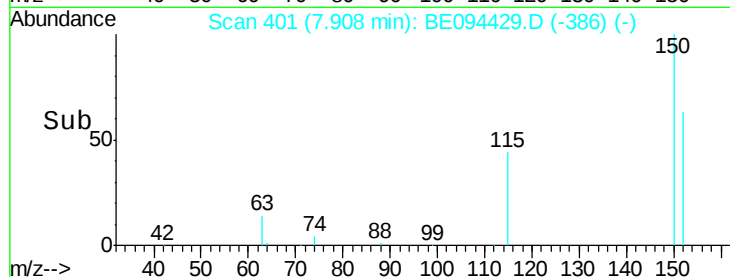
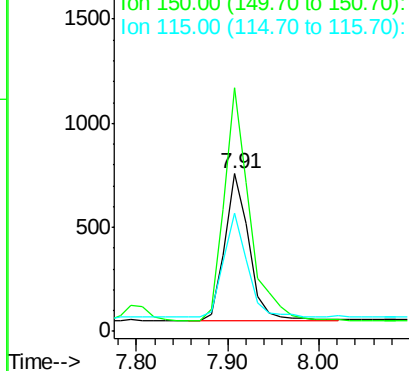
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	117.2	175.8
115	74.7	57.0	85.6

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 PM



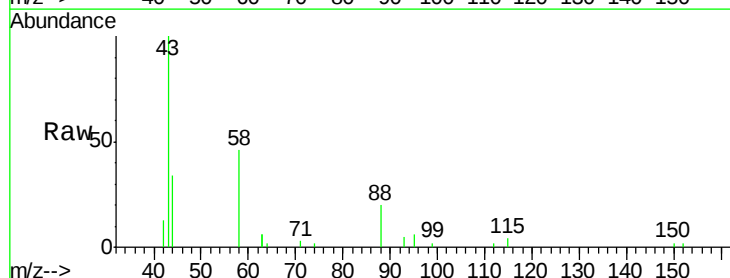
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



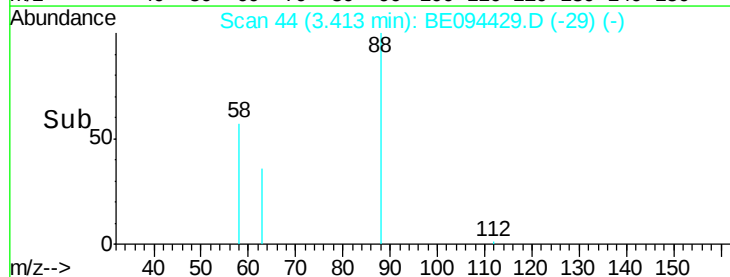
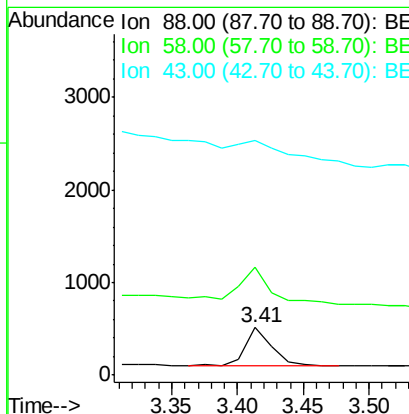
#2

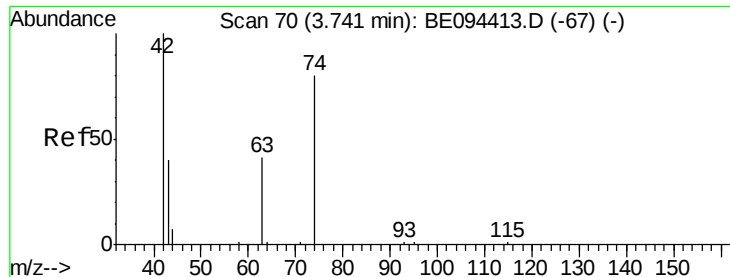
1,4-Dioxane
Concen: 0.234 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	201.7	63.2	94.8#
43	0.0	41.2	61.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





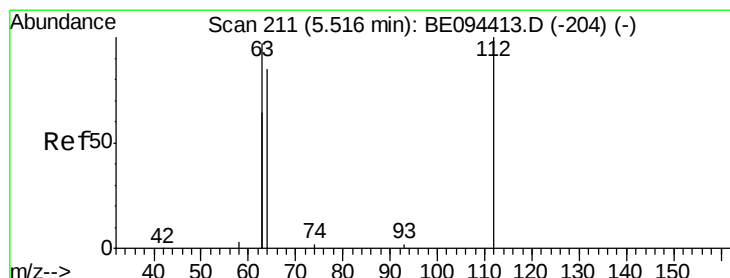
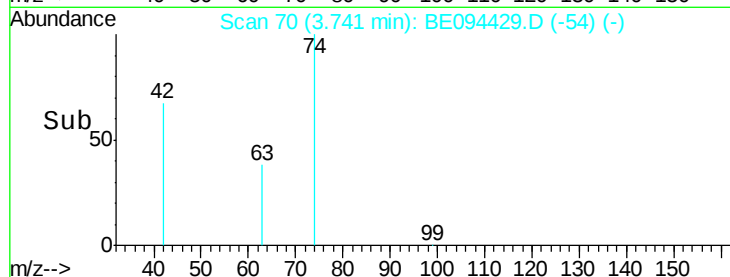
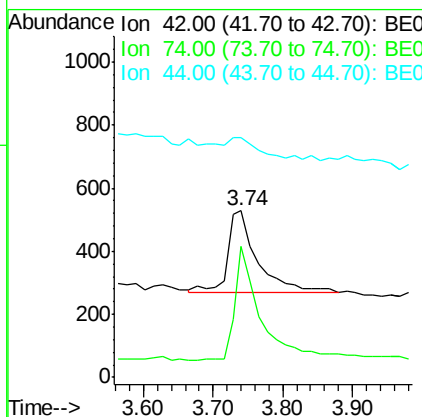
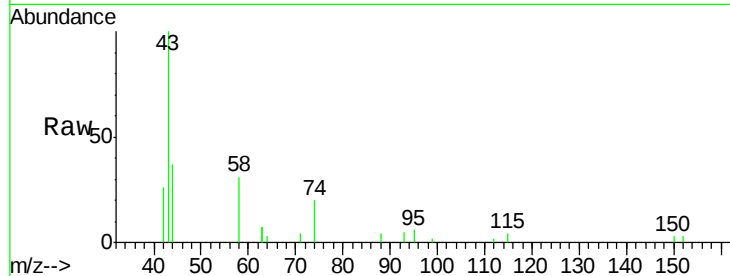
#3
 n-Nitrosodimethylamine
 Concen: 0.339 ng
 RT: 3.74 min Scan# 70
 Delta R.T. -0.00 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Instrument :
 BNA_E
 ClientSampled :
 PB102812BS

Tgt Ion	Ratio	Lower	Upper
42	100		
74	121.4	100.3	150.5
44	29.0	17.0	25.4#

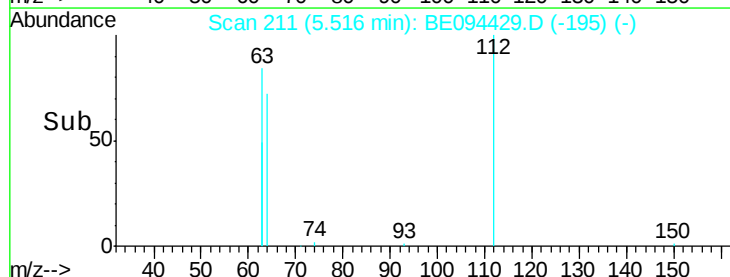
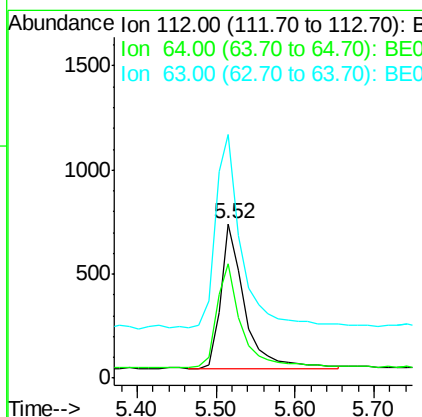
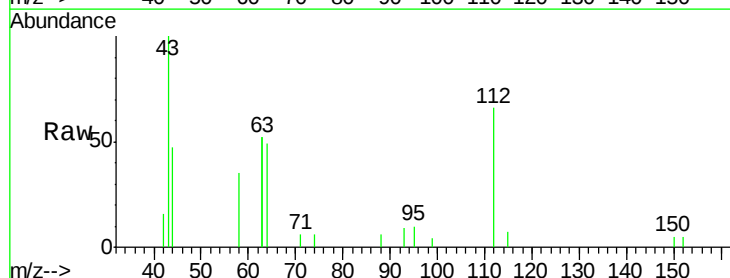
Manual Integrations
 APPROVED

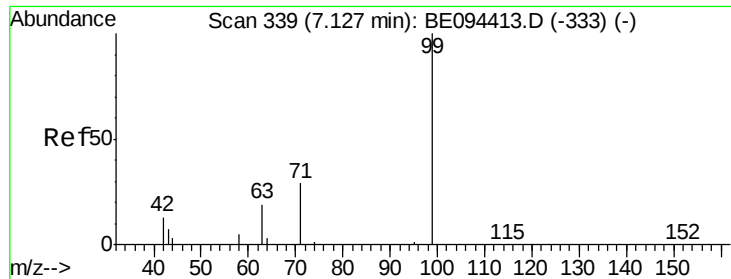
Sohil
 10/18/2017 7:21:13 PM



#4
 2-Fluorophenol
 Concen: 0.336 ng
 RT: 5.52 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	60.1	90.1
63	145.2	116.8	175.2





#5

Phenol-d6

Concen: 0.297 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

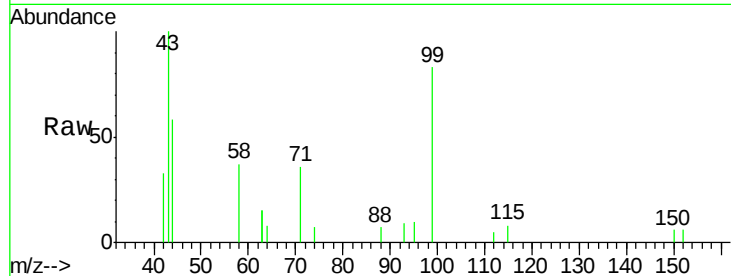
ClientSampled :

PB102812BS

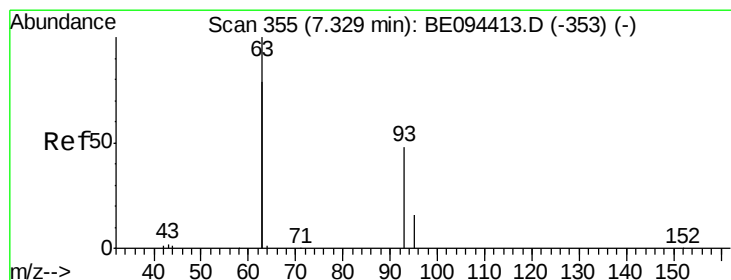
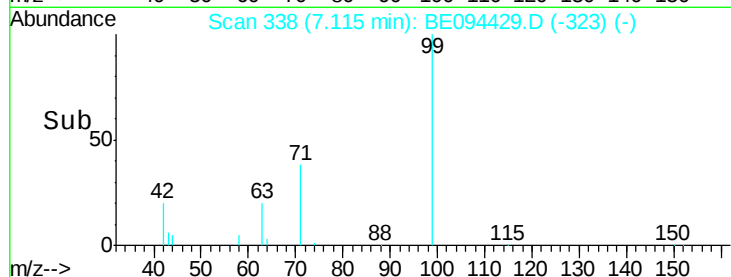
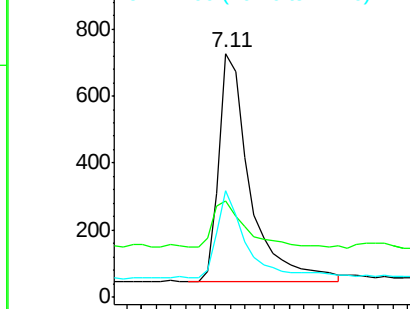
Tgt Ion:	99	Resp:	2003
Ion	Ratio	Lower	Upper
99	100		
42	21.5	20.2	30.2
71	36.2	28.4	42.6

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 PM



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.293 ng

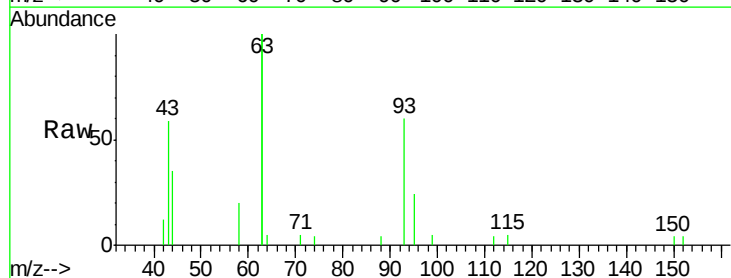
RT: 7.33 min Scan# 355

Delta R.T. -0.00 min

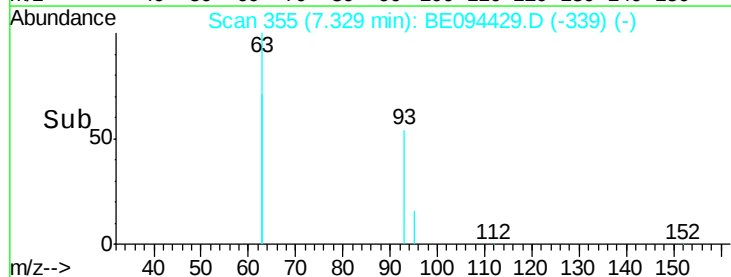
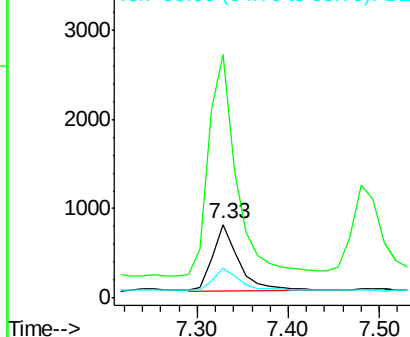
Lab File: BE094429.D

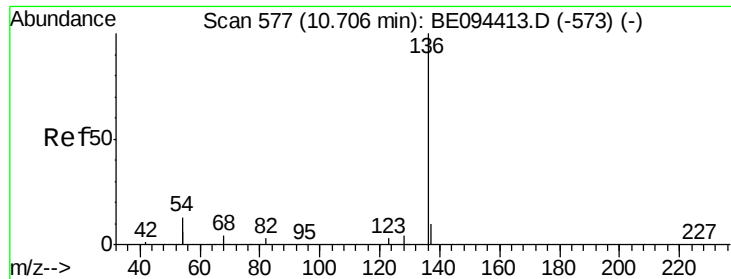
Acq: 17 Oct 2017 13:52

Tgt Ion:	93	Resp:	1461
Ion	Ratio	Lower	Upper
93	100		
63	363.7	275.3	412.9
95	34.0	25.2	37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

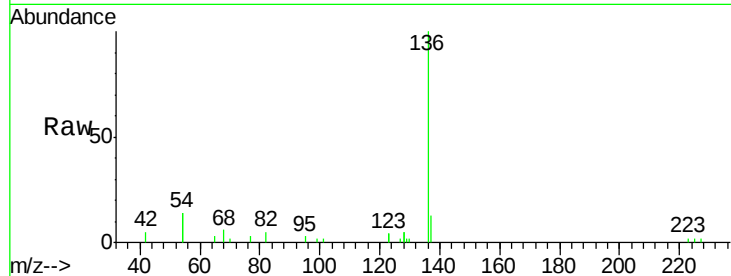
ClientSampleId :

PB102812BS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	6172		
137	12.5	9.5	14.3	
54	28.6	29.1	43.7	
68	6.4	6.2	9.2	

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 PM

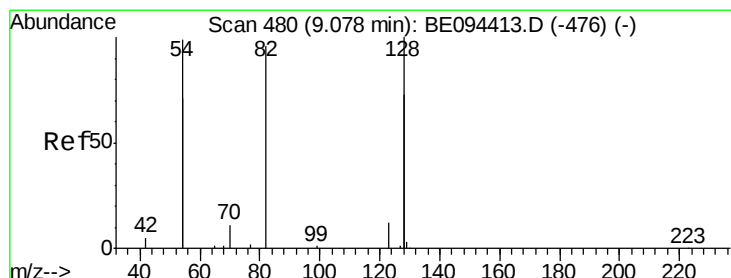
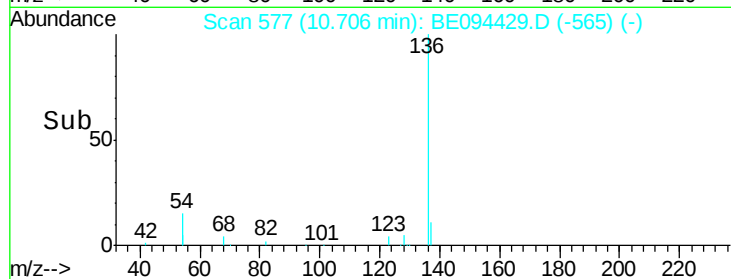
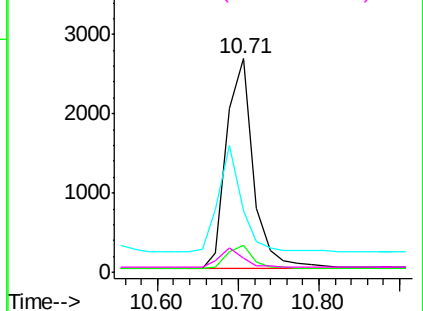


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.339 ng m

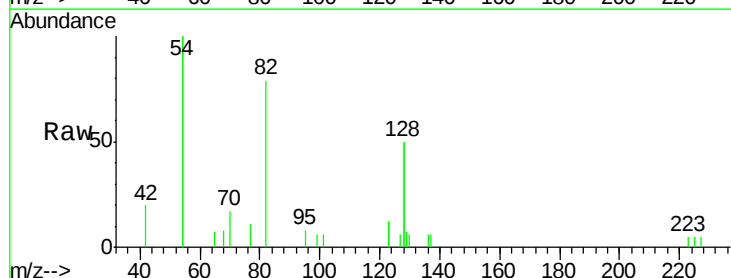
RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

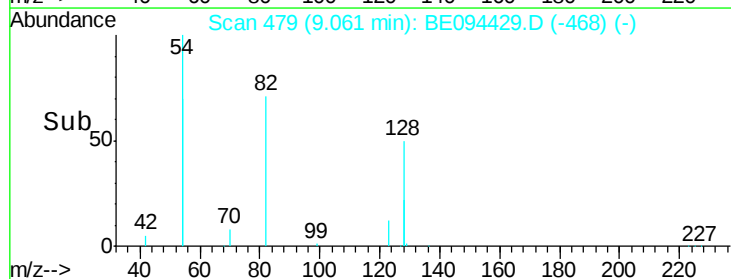
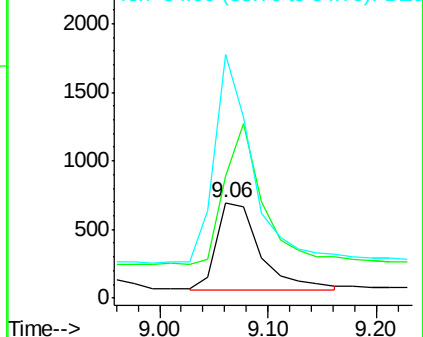
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1820		
128	63.7	150.0	225.0	
54	127.3	154.2	231.4	

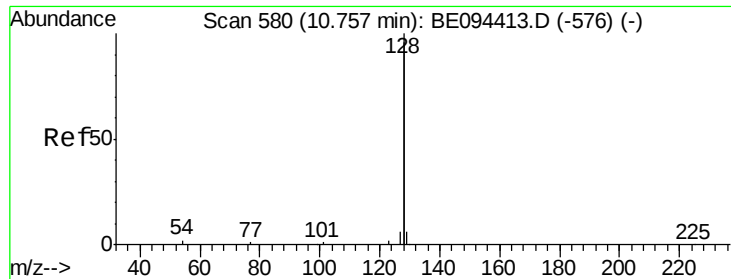


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





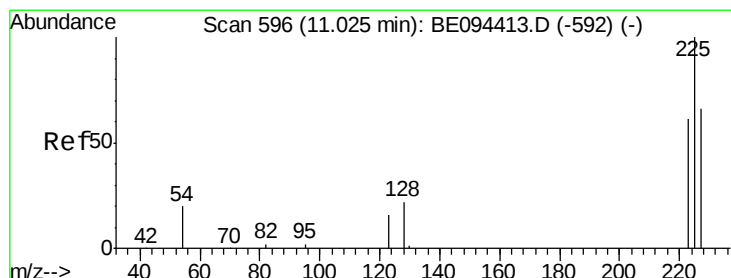
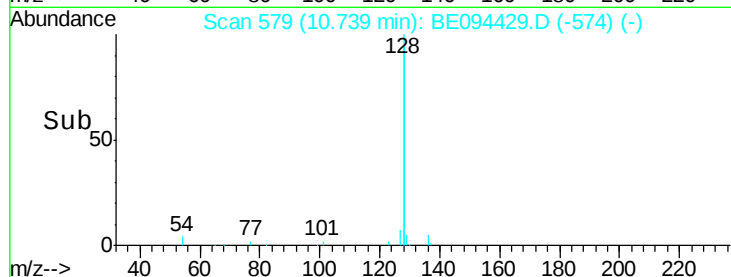
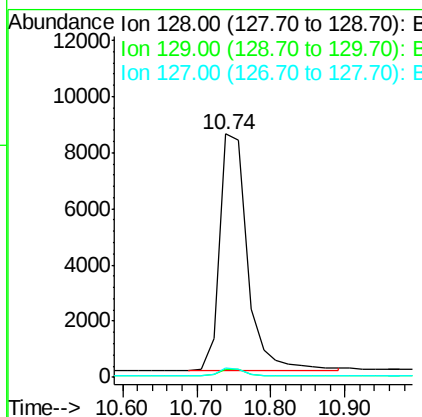
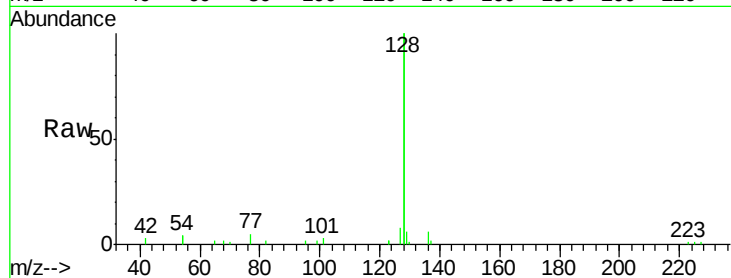
#9
Naphthalene
Concen: 0.317 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.02 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	4.0	2.8	4.2

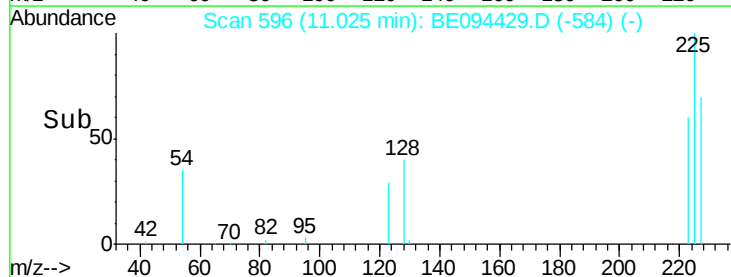
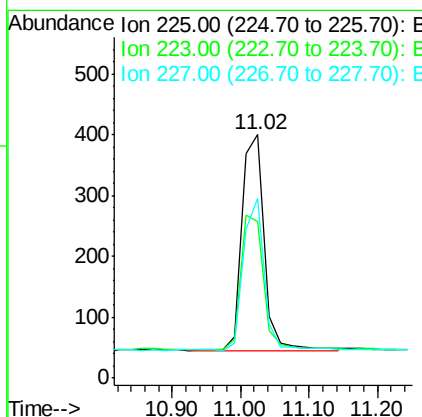
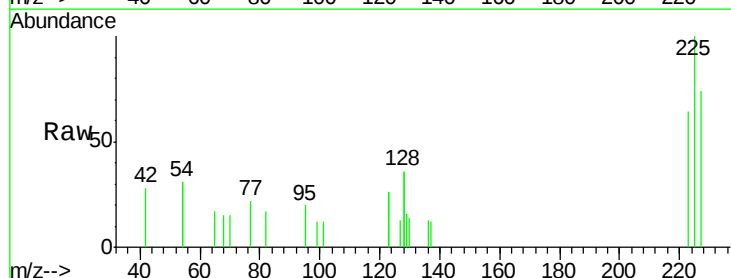
Manual Integrations
APPROVED

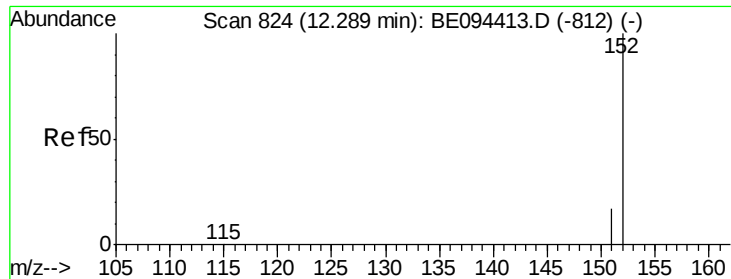
Sohil
10/18/2017 7:21:13 PM



#10
Hexachlorobutadiene
Concen: 0.293 ng
RT: 11.02 min Scan# 596
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	53.0	79.6
227	65.0	51.4	77.2





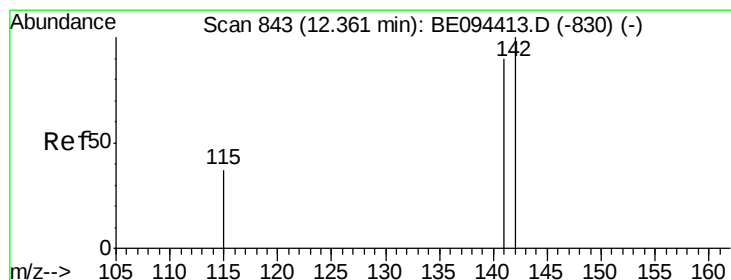
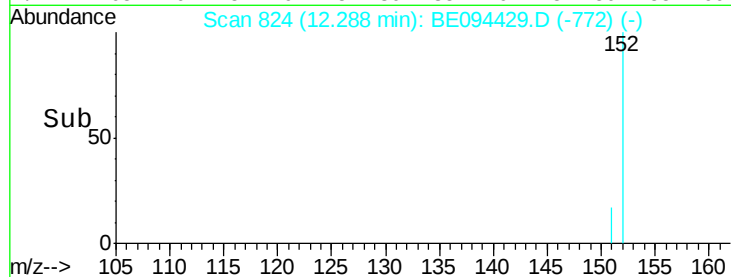
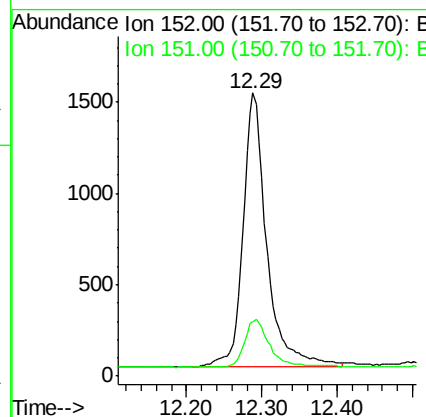
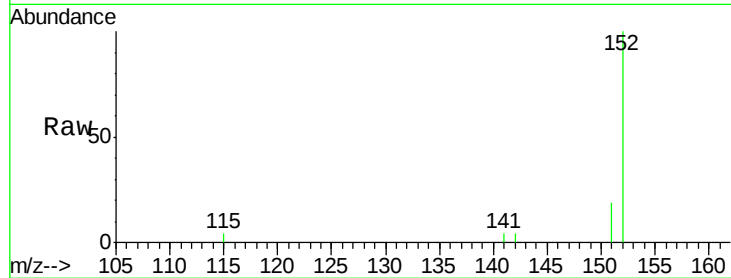
#11
2-Methylnaphthalene-d10
Concen: 0.346 ng
RT: 12.29 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion:152 Resp: 3288
Ion Ratio Lower Upper
152 100
151 18.7 15.4 23.0

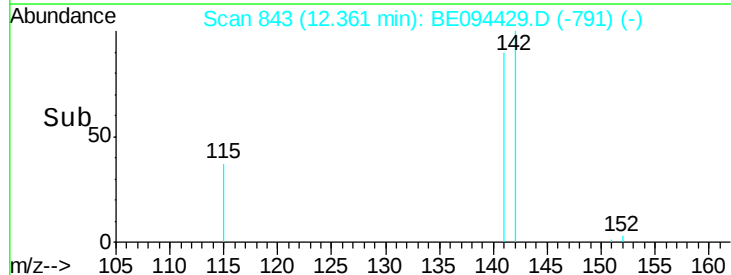
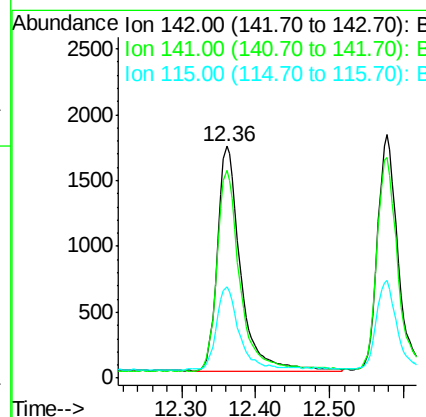
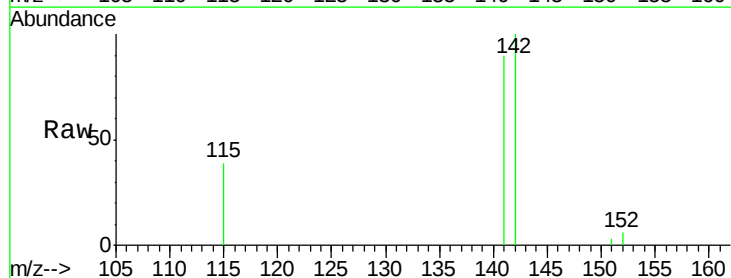
Manual Integrations
APPROVED

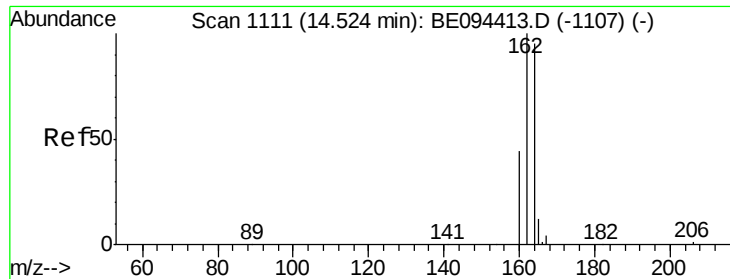
Sohil
10/18/2017 7:21:13 PM



#12
2-Methylnaphthalene
Concen: 0.326 ng
RT: 12.36 min Scan# 843
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion:142 Resp: 3710
Ion Ratio Lower Upper
142 100
141 89.6 70.4 105.6
115 39.4 31.7 47.5





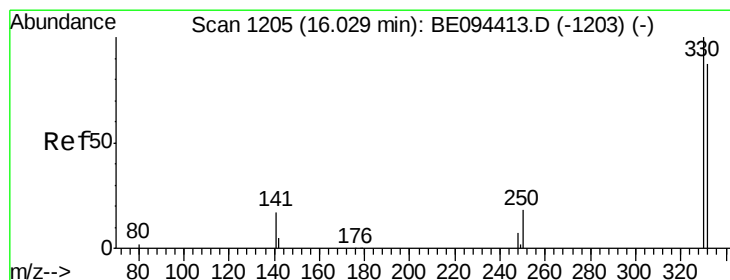
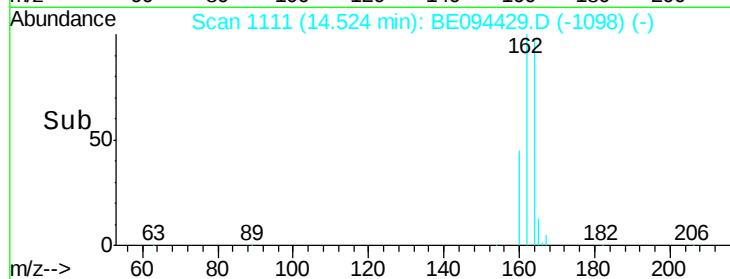
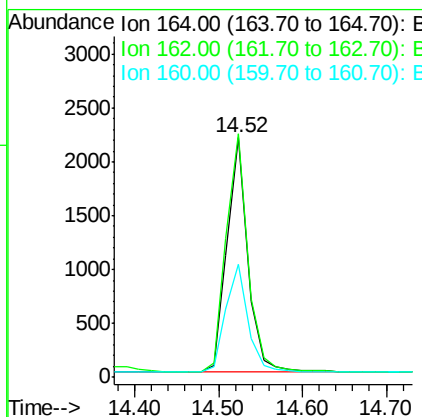
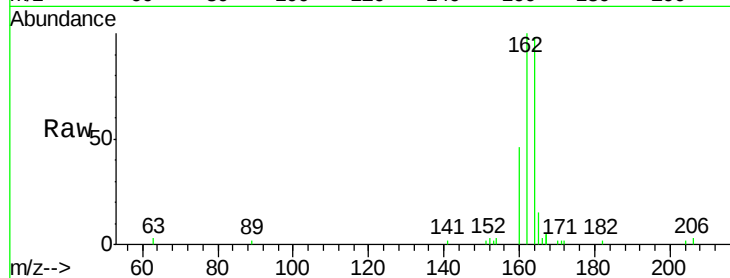
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	83.1	124.7
160	47.1	37.1	55.7

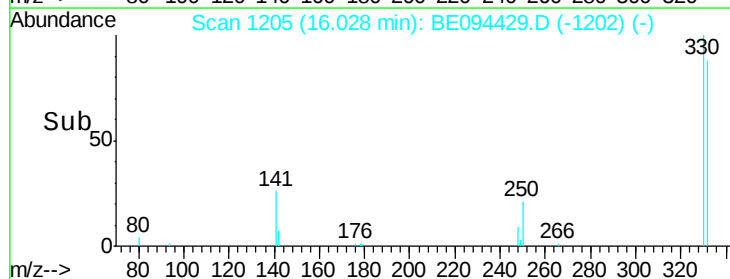
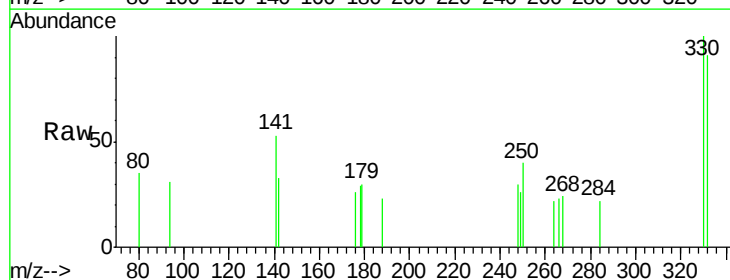
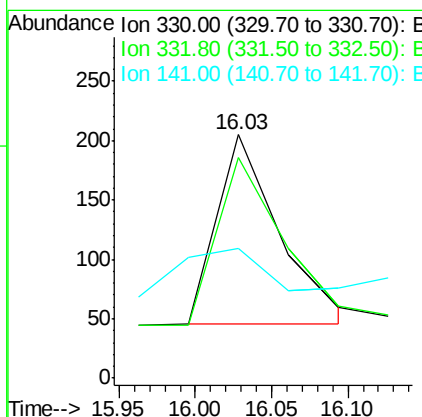
Manual Integrations
APPROVED

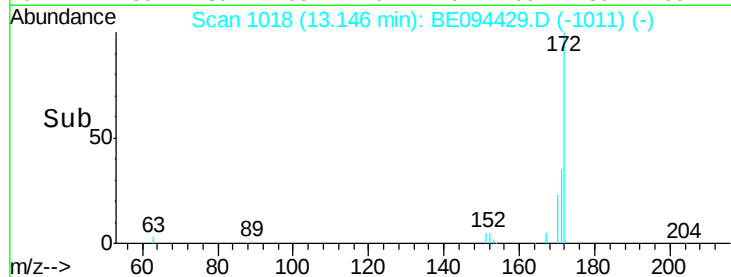
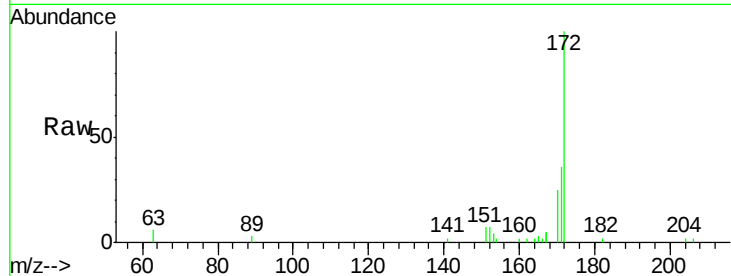
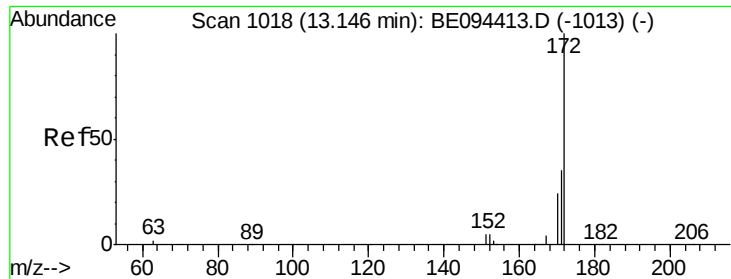
Sohil
10/18/2017 7:21:13 PM



#14
2,4,6-Tribromophenol
Concen: 0.317 ng
RT: 16.03 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	152.7	229.1#
141	0.0	33.7	50.5#





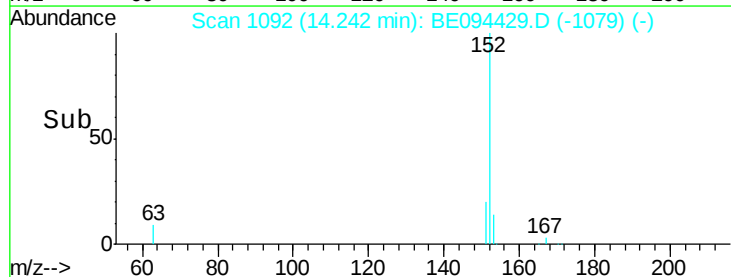
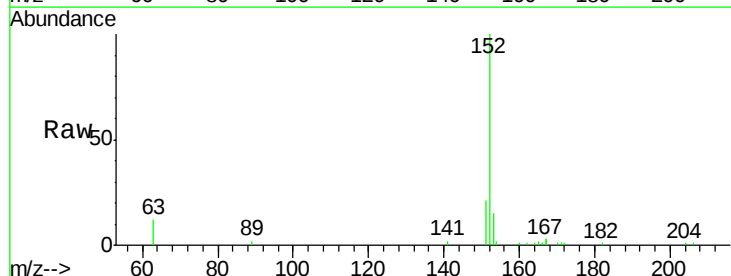
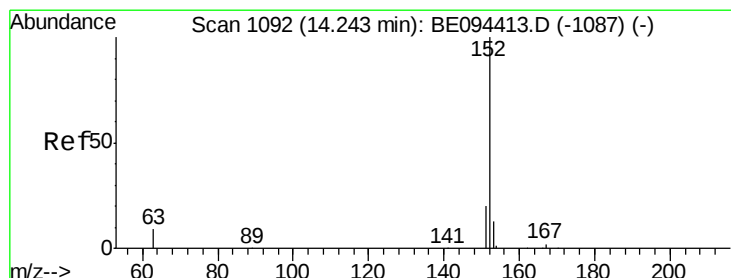
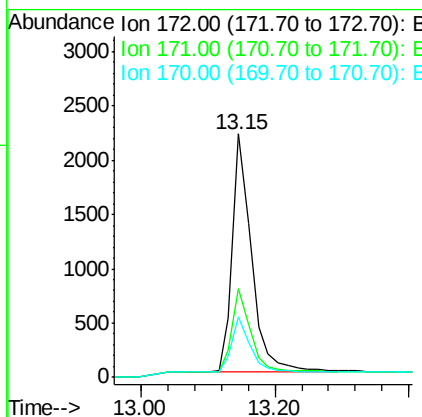
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.9	44.9
170	24.8	21.8	32.8

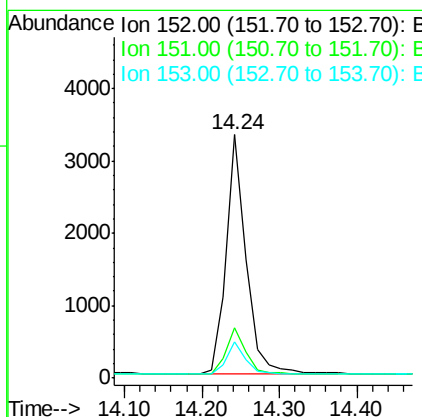
Manual Integrations
APPROVED

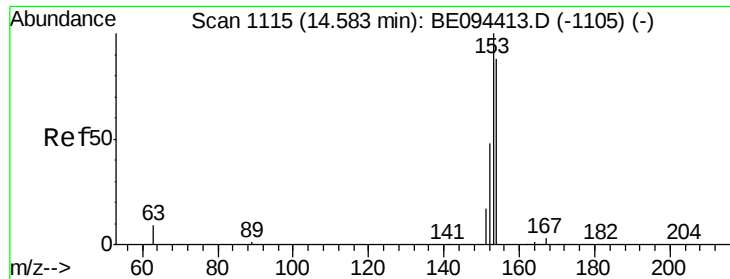
Sohil
10/18/2017 7:21:13 PM



#16
Acenaphthylene
Concen: 0.293 ng
RT: 14.24 min Scan# 1092
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.5	10.5	15.7





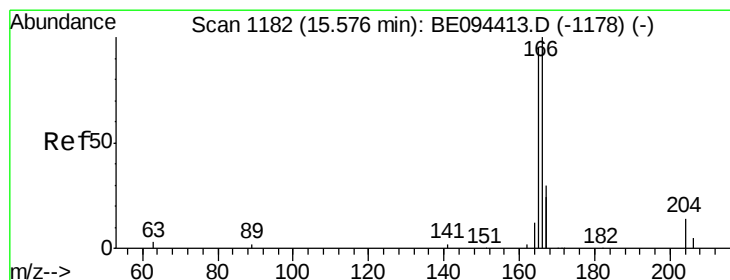
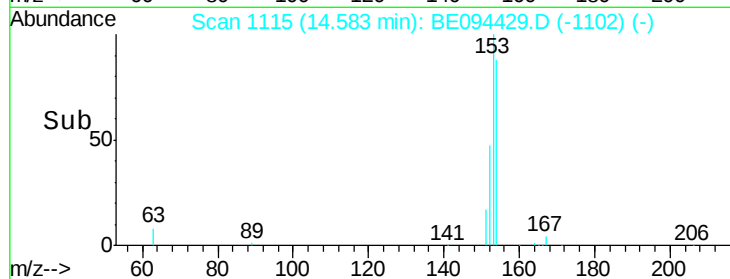
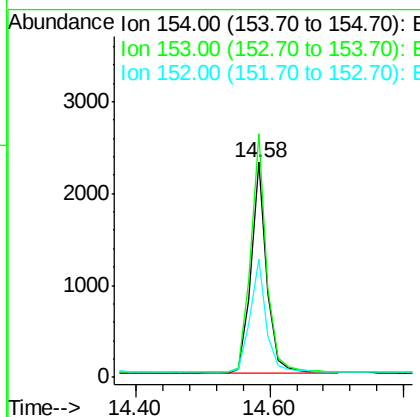
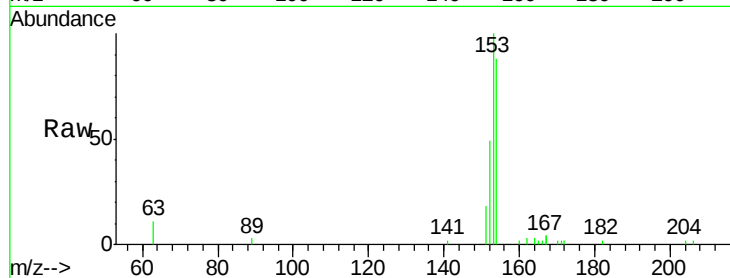
#17
Acenaphthene
Concen: 0.296 ng
RT: 14.58 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	3785		
153	113.6	89.2	133.8	
152	54.6	42.0	63.0	

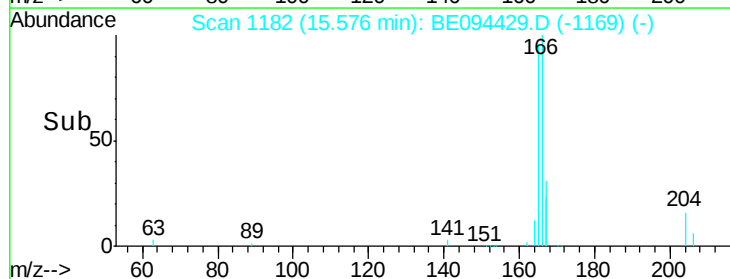
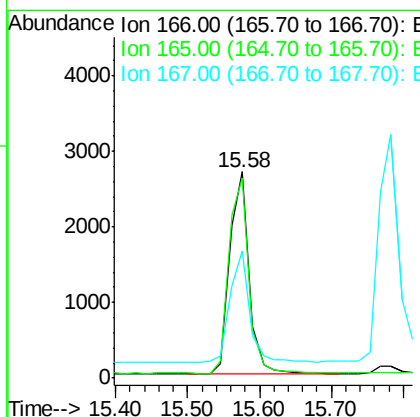
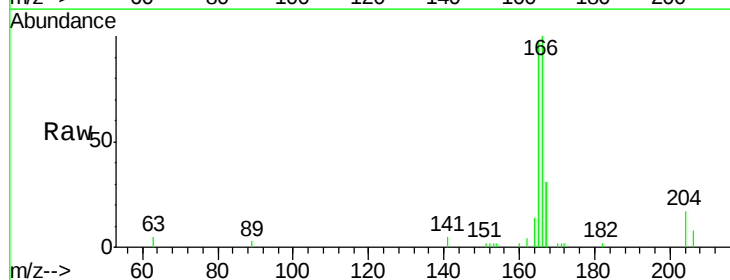
Manual Integrations
APPROVED

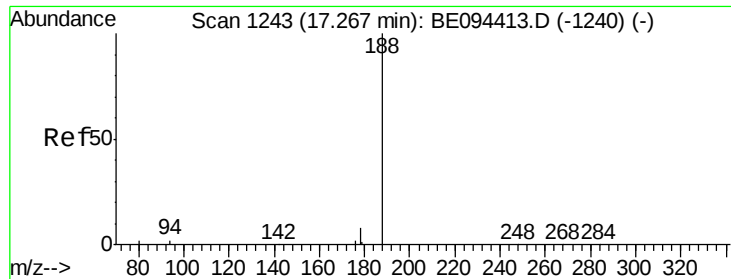
Sohil
10/18/2017 7:21:13 PM



#18
Fluorene
Concen: 0.306 ng
RT: 15.58 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	5045		
165	100.2	77.8	116.6	
167	54.9	42.4	63.6	





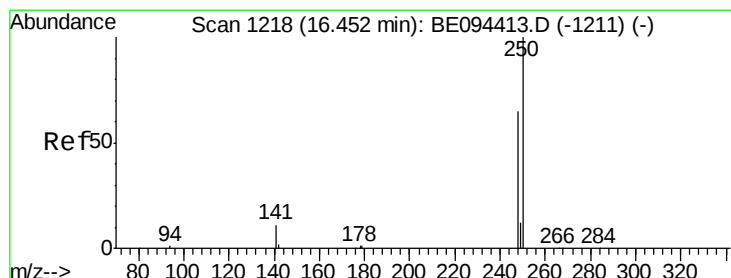
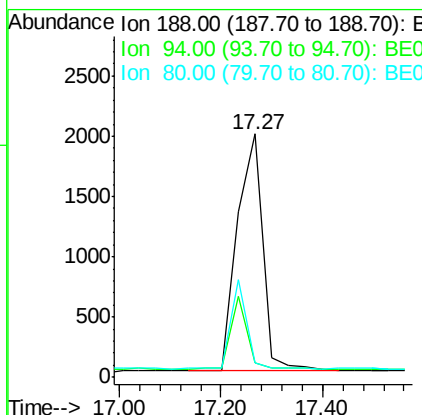
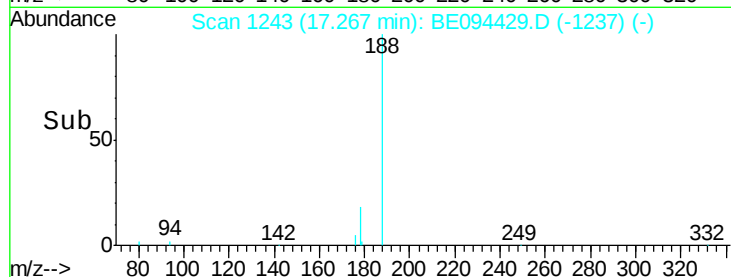
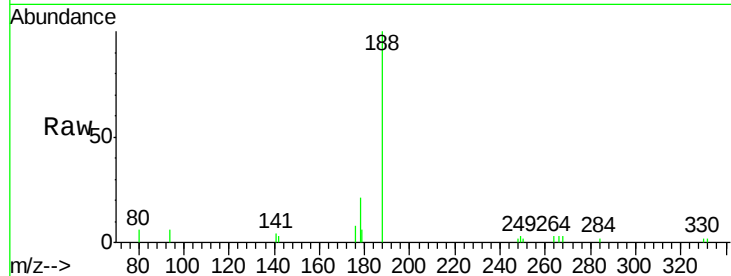
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	6853		
94	5.9		3.9	5.9#
80	5.9		3.6	5.4#

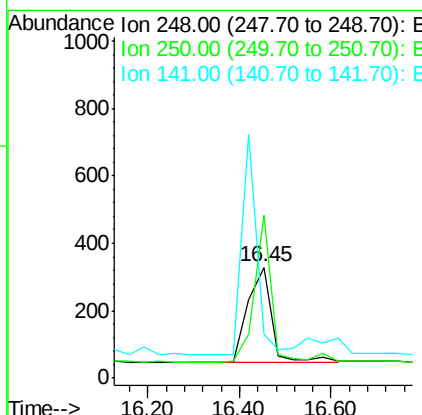
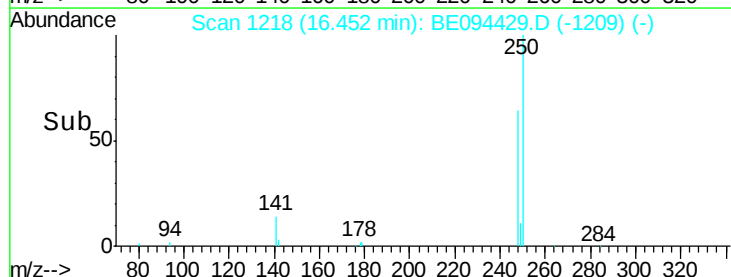
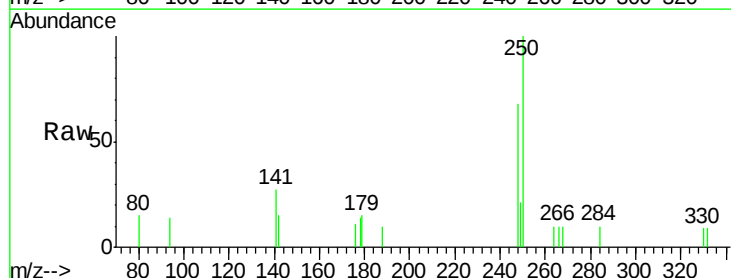
Manual Integrations
APPROVED

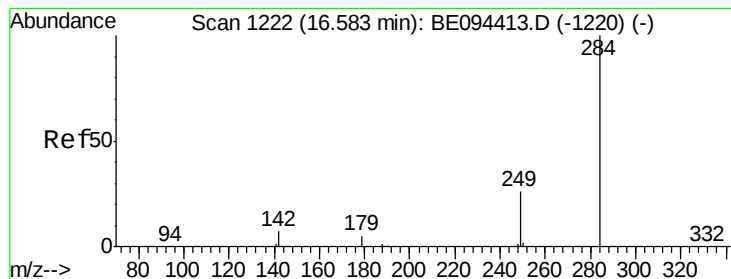
Sohil
10/18/2017 7:21:13 PM



#20
4-Bromophenyl-phenylether
Concen: 0.295 ng
RT: 16.45 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	1013		
250	147.9		62.7	94.1#
141	40.2		48.2	72.2#





#21

Hexachlorobenzene

Concen: 0.274 ng

RT: 16.58 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

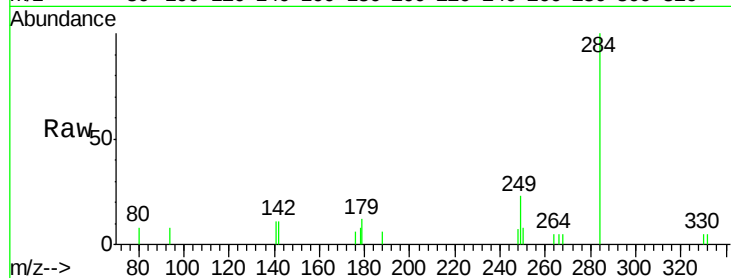
ClientSampleId :

PB102812BS

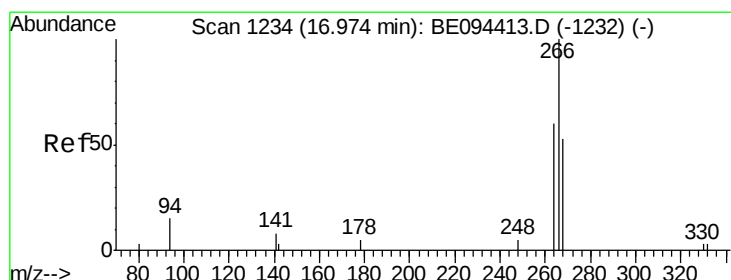
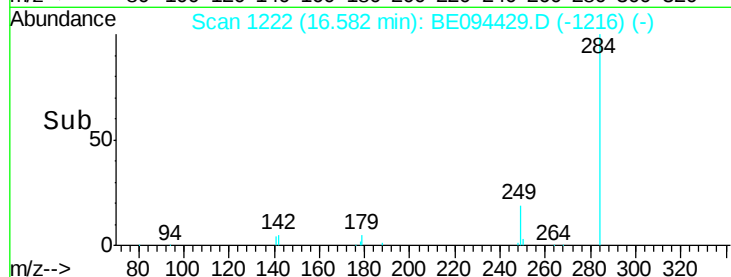
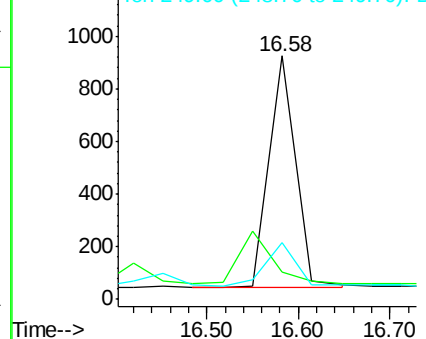
Tgt Ion:	284	Resp:	1785
Ion Ratio	Lower	Upper	
284	100		
142	0.0	22.1	33.1#
249	20.6	34.8	52.2#

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 PM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.616 ng

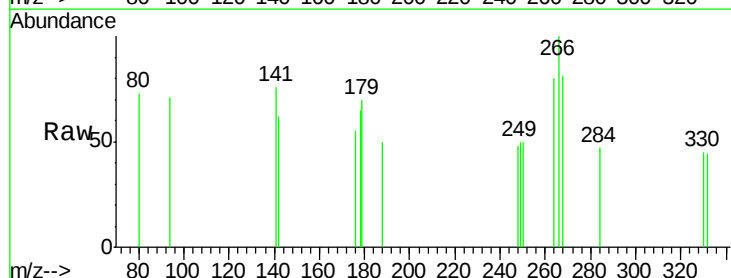
RT: 16.97 min Scan# 1234

Delta R.T. 0.00 min

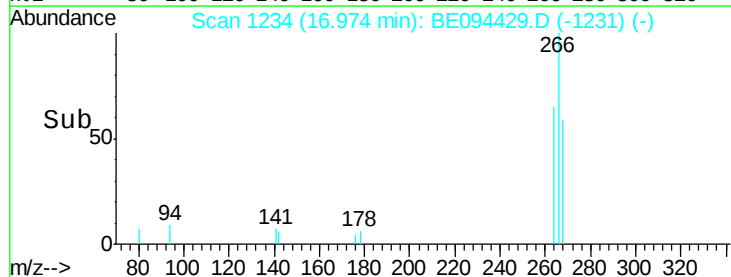
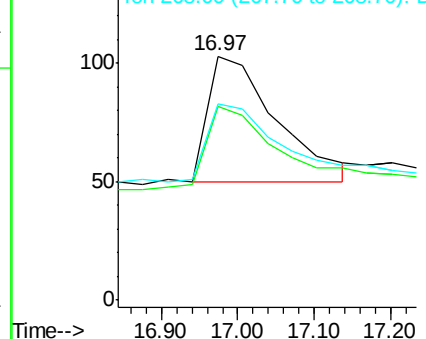
Lab File: BE094429.D

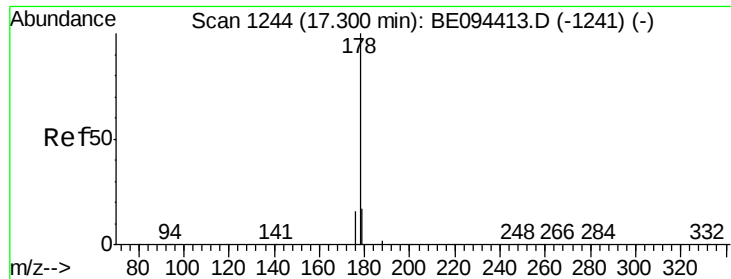
Acq: 17 Oct 2017 13:52

Tgt Ion:	266	Resp:	332
Ion Ratio	Lower	Upper	
266	100		
264	79.6	72.5	108.7
268	80.6	73.8	110.6



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





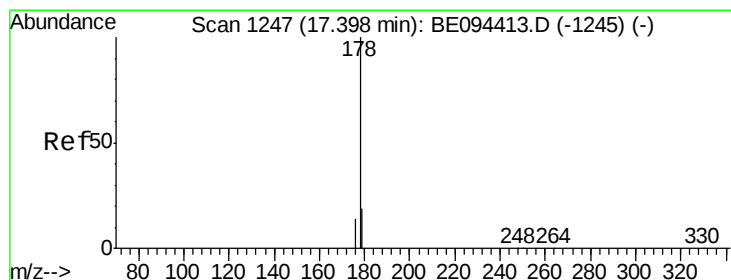
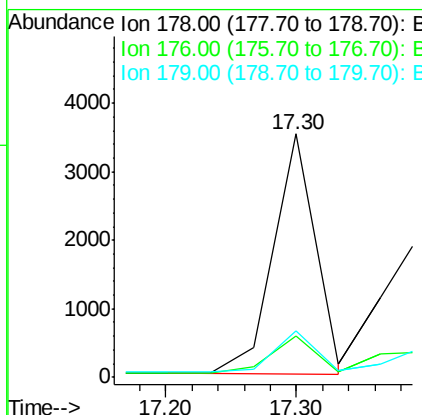
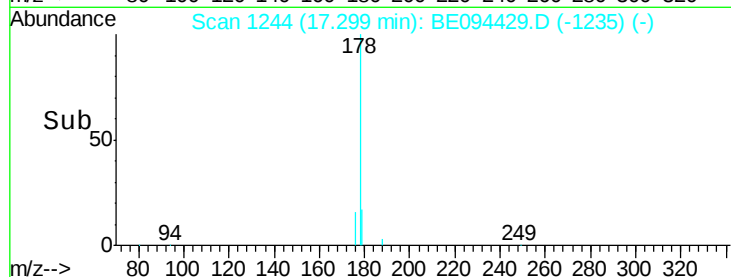
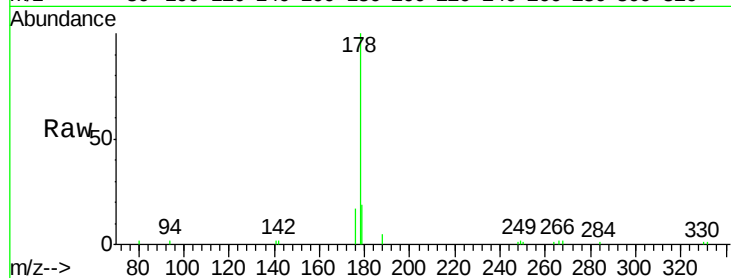
#23
Phenanthrene
Concen: 0.292 ng m
RT: 17.30 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	33.0	15.1	22.7#
179	19.6	11.8	17.6#

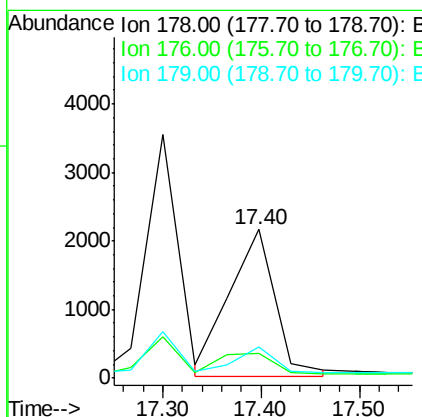
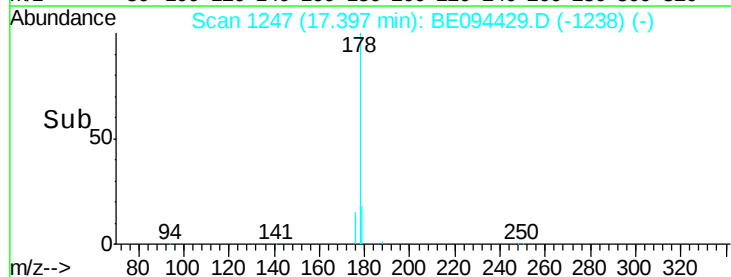
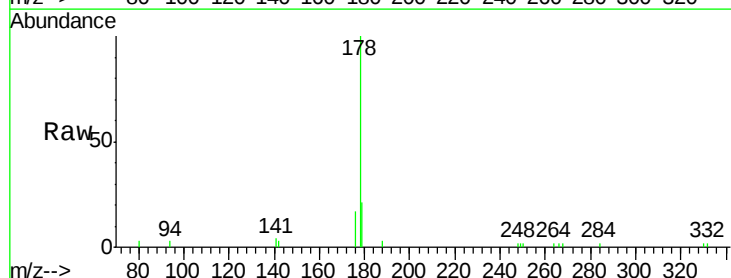
Manual Integrations
APPROVED

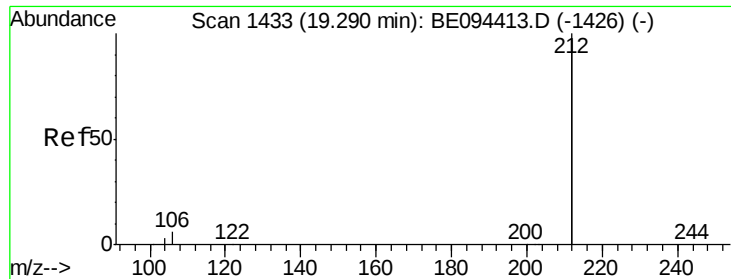
Sohil
10/18/2017 7:21:13 PM



#24
Anthracene
Concen: 0.332 ng m
RT: 17.40 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	37.4	12.8	19.2#
179	22.2	13.0	19.6#





#25

Fluoranthene-d10

Concen: 0.365 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

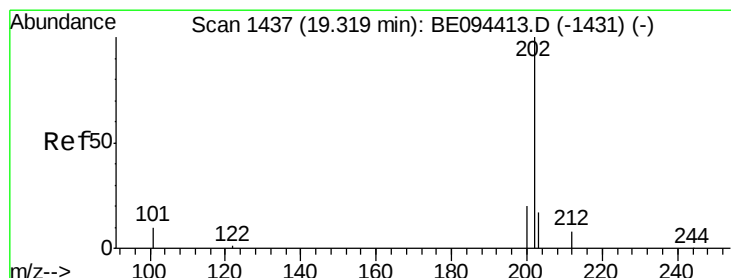
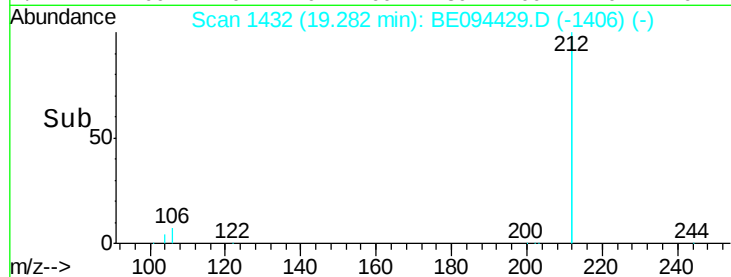
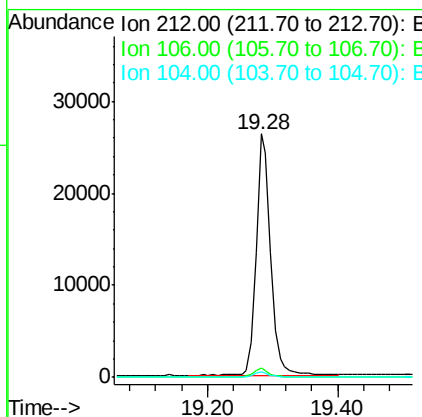
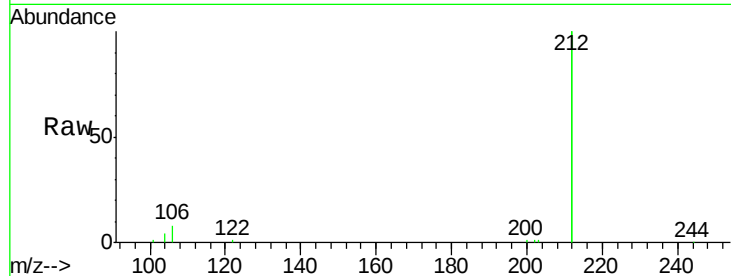
ClientSampleId :

PB102812BS

Tgt Ion:	212	Resp:	40272
Ion Ratio	Lower	Upper	
212	100		
106	3.5	2.8	4.2
104	2.0	1.6	2.4

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 PM



#26

Fluoranthene

Concen: 0.324 ng

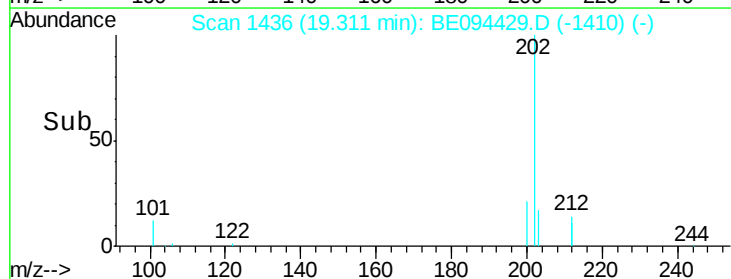
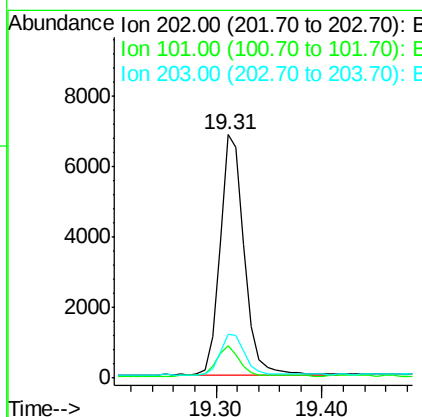
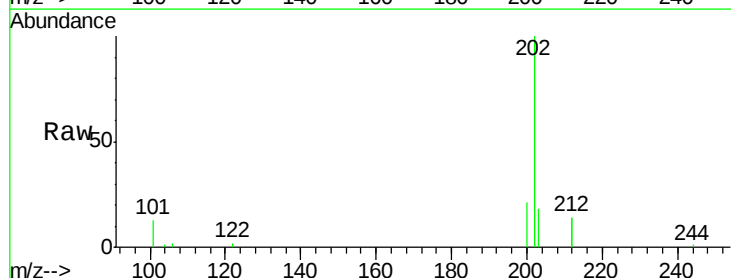
RT: 19.31 min Scan# 1436

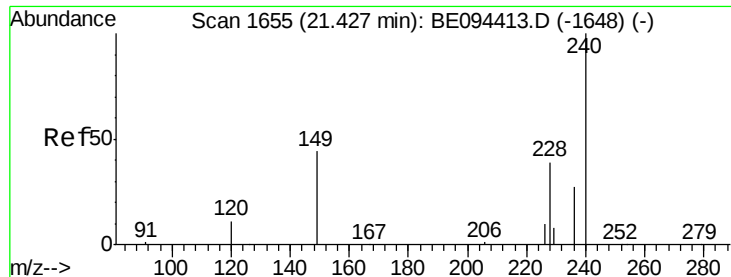
Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Tgt Ion:	202	Resp:	10832
Ion Ratio	Lower	Upper	
202	100		
101	12.3	9.8	14.8
203	17.8	13.7	20.5





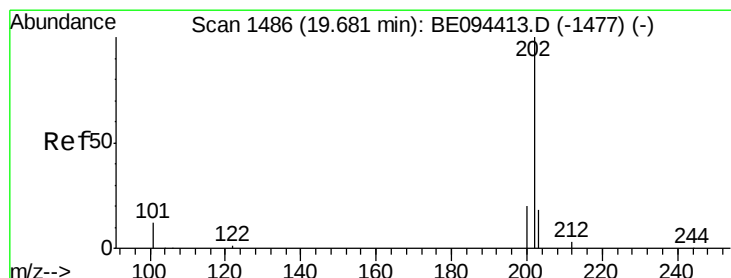
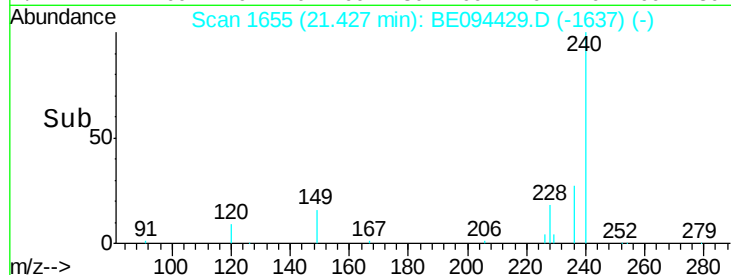
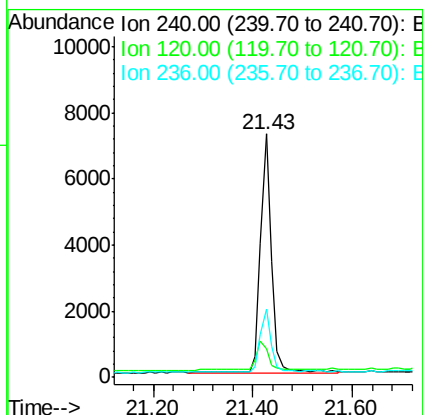
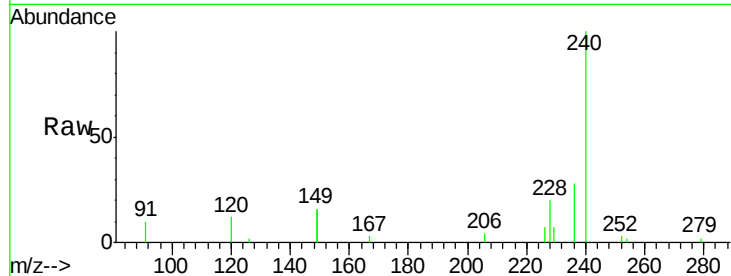
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1655
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.6	5.5	8.3#
236	28.1	20.7	31.1

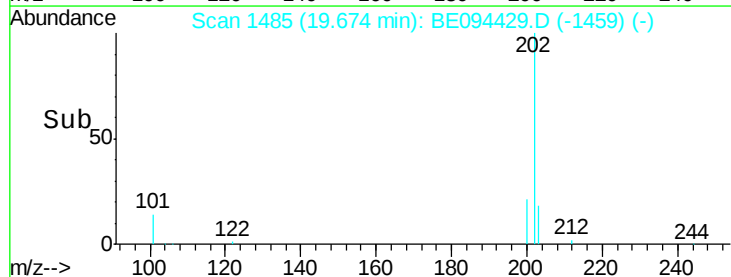
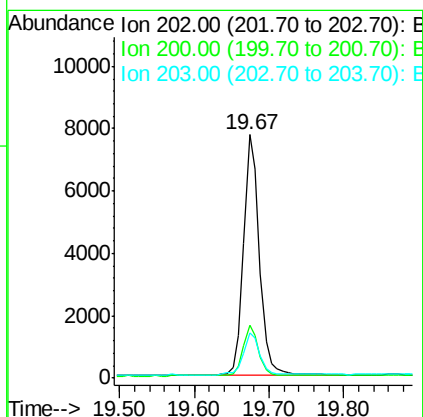
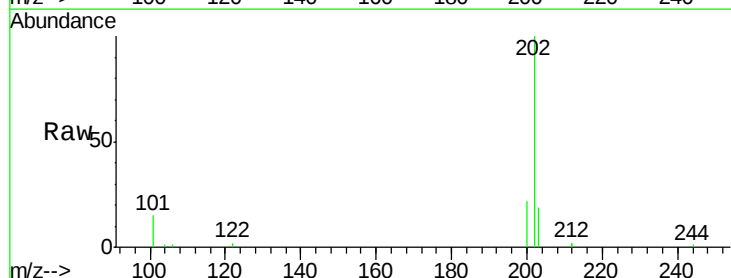
Manual Integrations
APPROVED

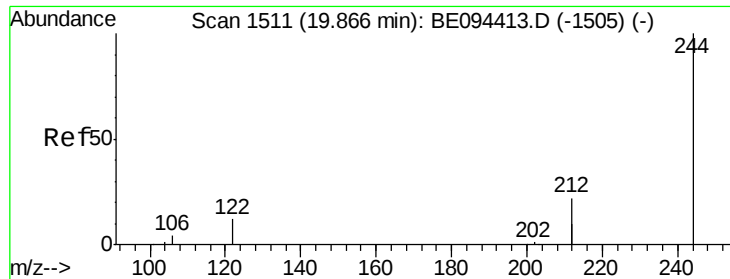
Sohil
10/18/2017 7:21:13 PM



#28
Pyrene
Concen: 0.272 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	18.5	13.8	20.8





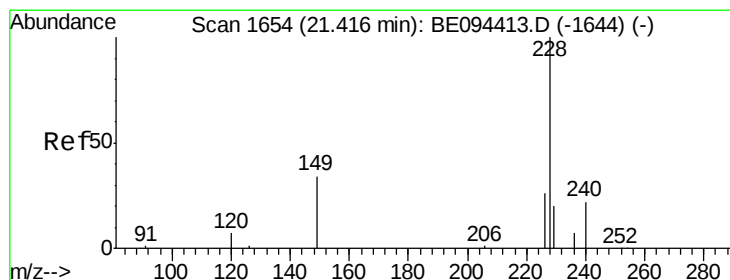
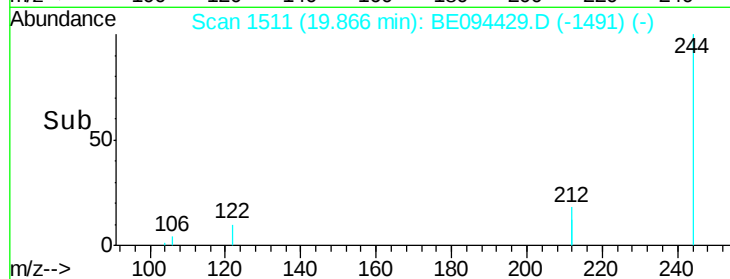
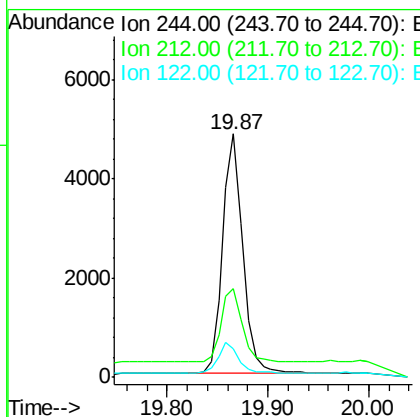
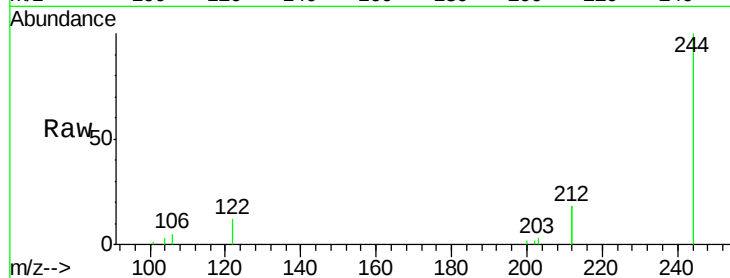
#29
 Terphenyl-d14
 Concen: 0.304 ng
 RT: 19.87 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Instrument :
 BNA_E
 ClientSampleId :
 PB102812BS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	36.2	25.4	38.0
122	11.7	8.1	12.1

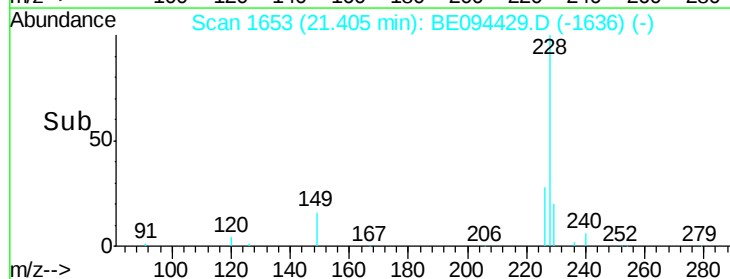
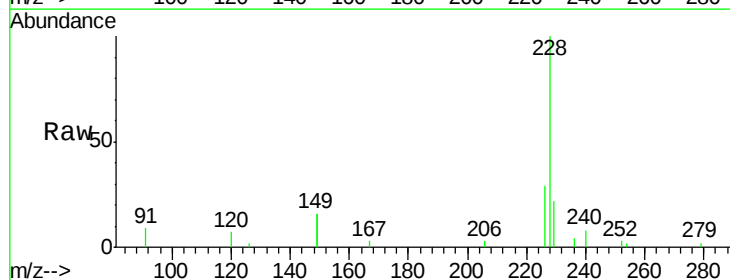
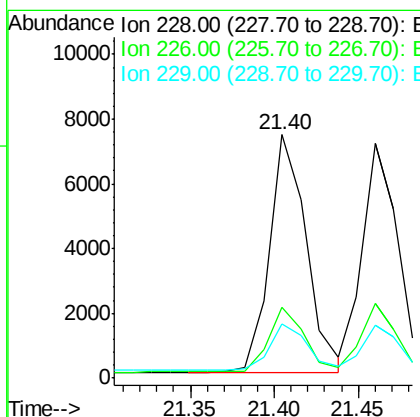
Manual Integrations
 APPROVED

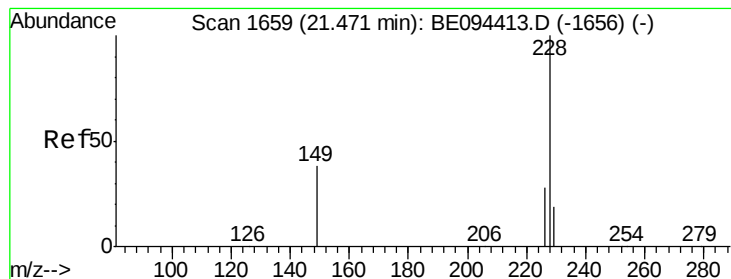
Sohil
 10/18/2017 7:21:13 PM



#30
 Benzo(a)anthracene
 Concen: 0.297 ng
 RT: 21.40 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	40.0	60.0#
229	22.4	40.0	60.0#





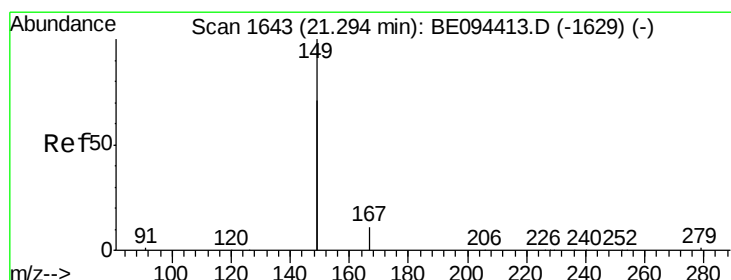
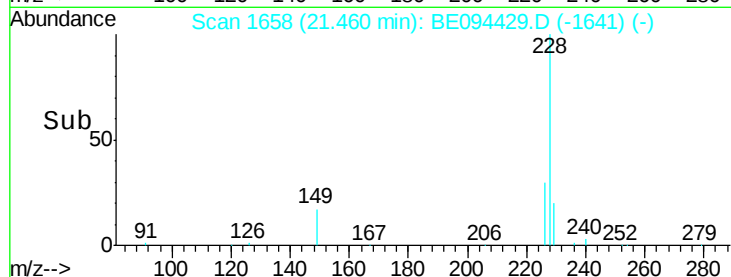
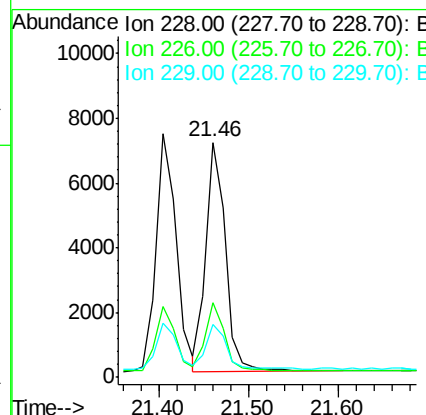
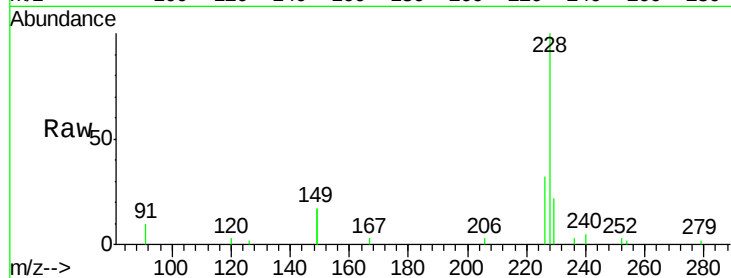
#31
Chrysene
 Concen: 0.295 ng
 RT: 21.46 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Instrument :
 BNA_E
 ClientSampleId :
 PB102812BS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	40.0	60.0#
229	22.4	40.0	60.0#

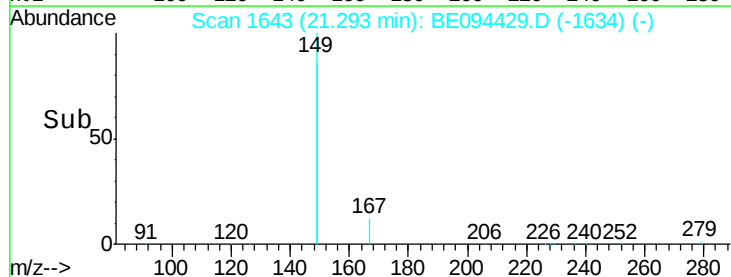
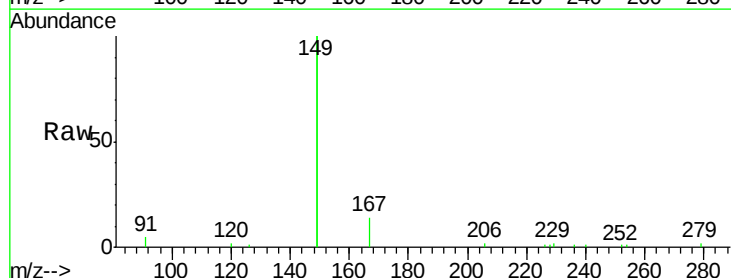
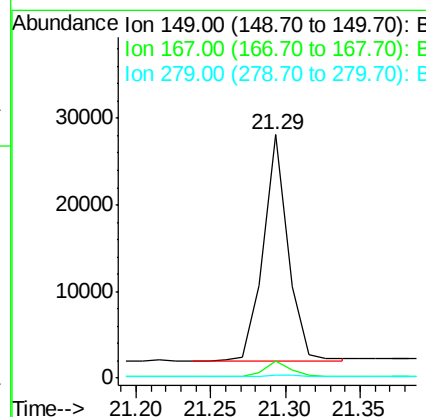
Manual Integrations
 APPROVED

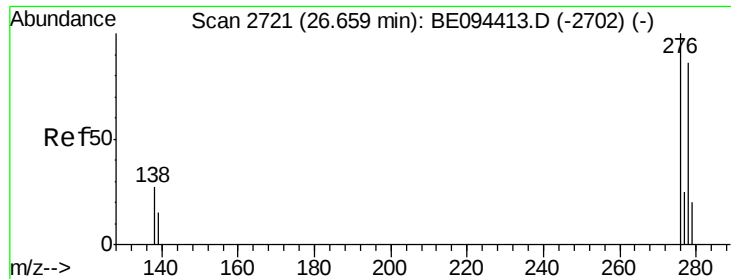
Sohil
 10/18/2017 7:21:13 PM



#32
Bis(2-ethylhexyl)phthalate
 Concen: 0.274 ng
 RT: 21.29 min Scan# 1643
 Delta R.T. 0.00 min
 Lab File: BE094429.D
 Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.0
279	1.0	0.7	1.1





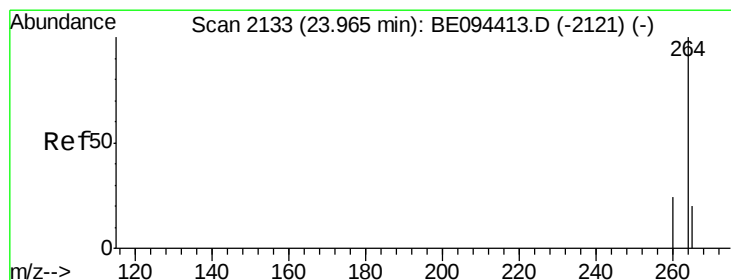
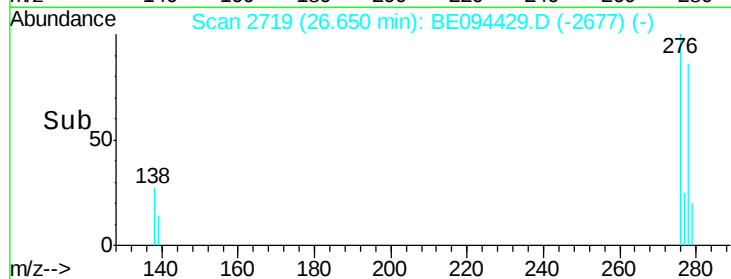
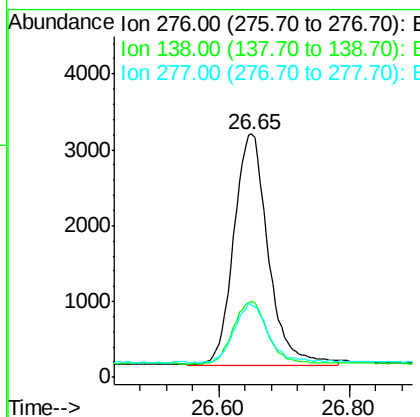
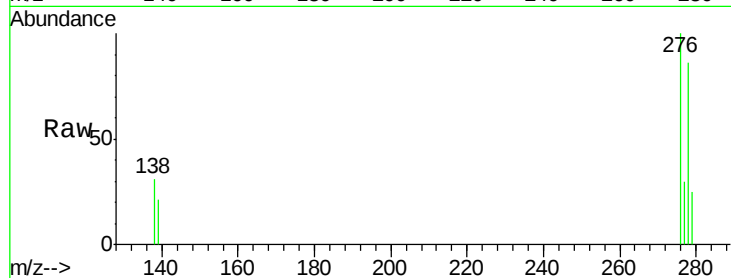
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.302 ng
RT: 26.65 min Scan# 2719
Delta R.T. -0.01 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	11090		
138	26.7	22.5	33.7	
277	25.4	19.9	29.9	

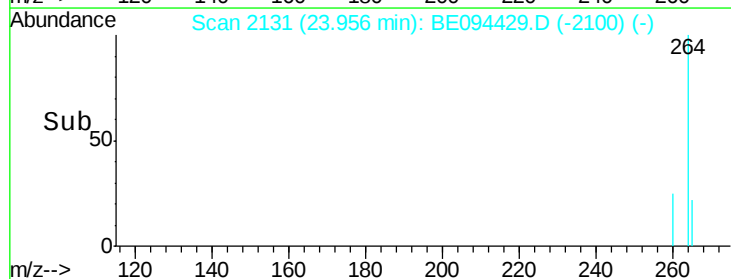
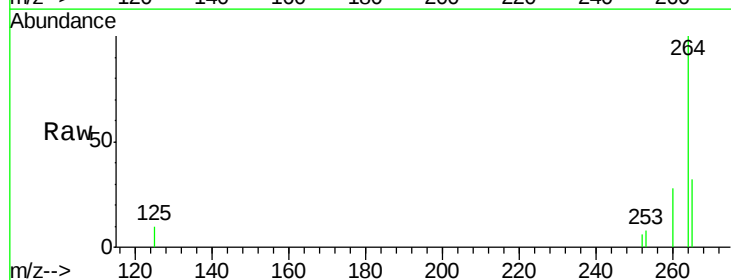
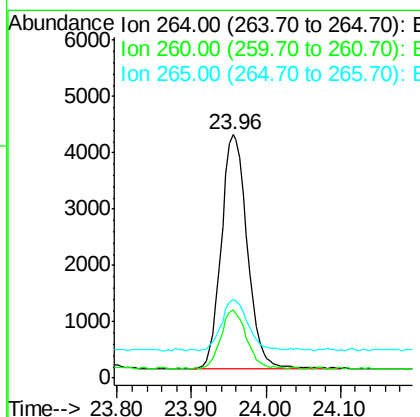
Manual Integrations
APPROVED

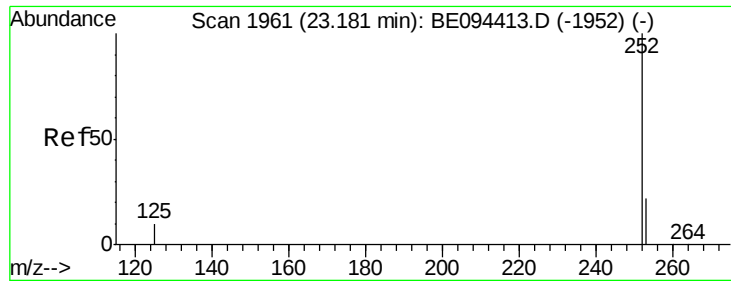
Sohil
10/18/2017 7:21:13 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2131
Delta R.T. -0.01 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	10051		
260	28.1	20.5	30.7	
265	32.0	22.8	34.2	





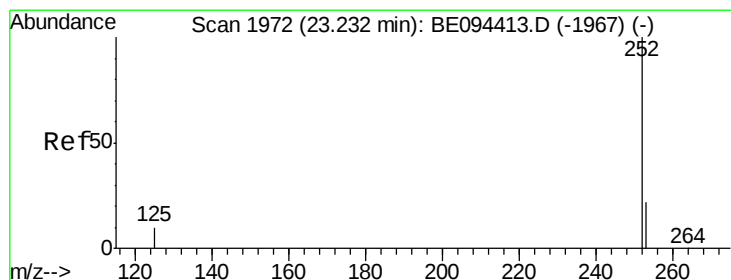
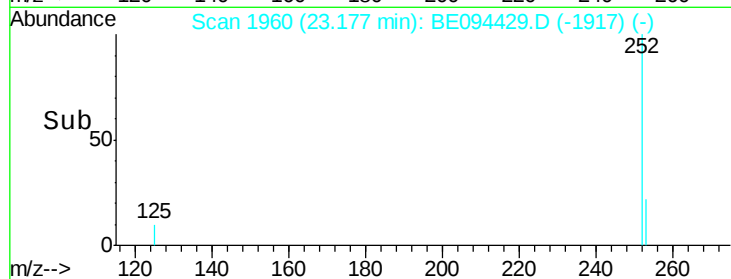
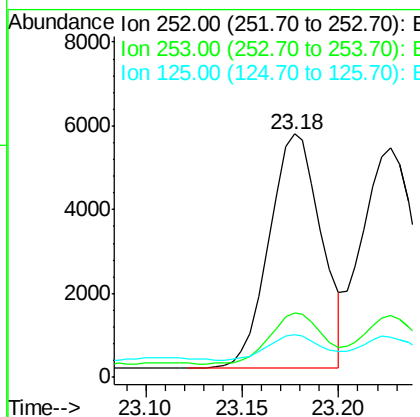
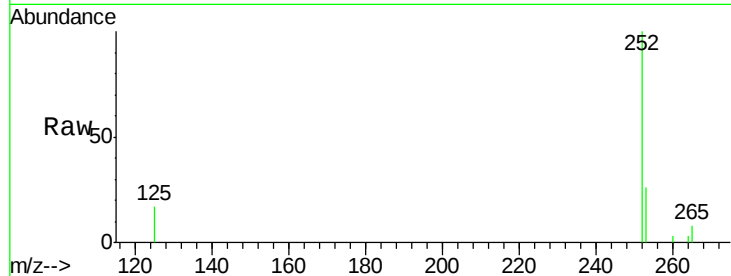
#35
Benzo(b)fluoranthene
Concen: 0.308 ng
RT: 23.18 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Instrument :
BNA_E
ClientSampleId :
PB102812BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	48.0	72.0#
125	17.3	56.0	84.0#

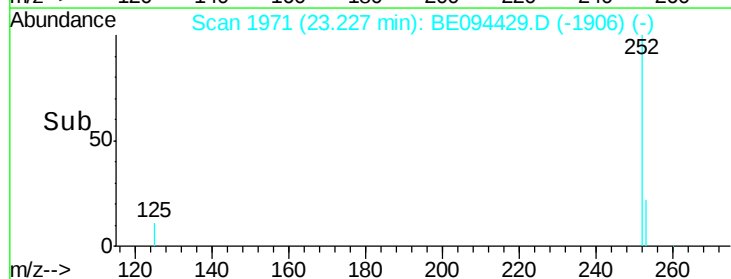
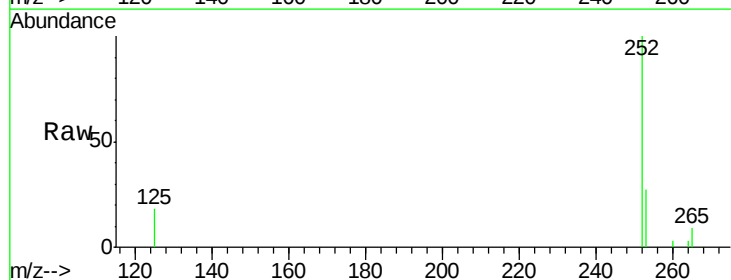
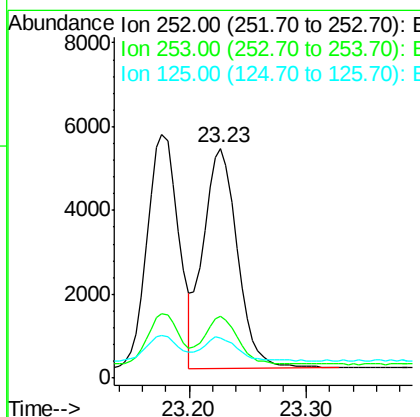
Manual Integrations
APPROVED

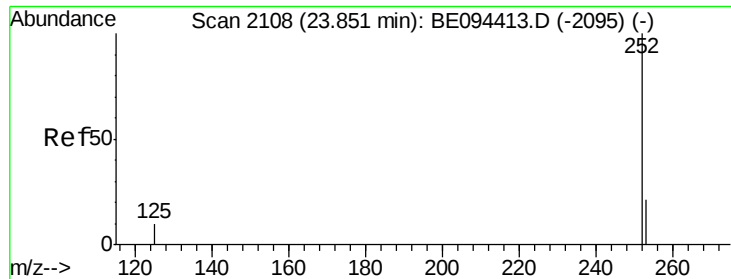
Sohil
10/18/2017 7:21:13 PM



#36
Benzo(k)fluoranthene
Concen: 0.317 ng
RT: 23.23 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BE094429.D
Acq: 17 Oct 2017 13:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	48.0	72.0#
125	17.6	56.0	84.0#





#37

Benzo(a)pyrene

Concen: 0.306 ng

RT: 23.84 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

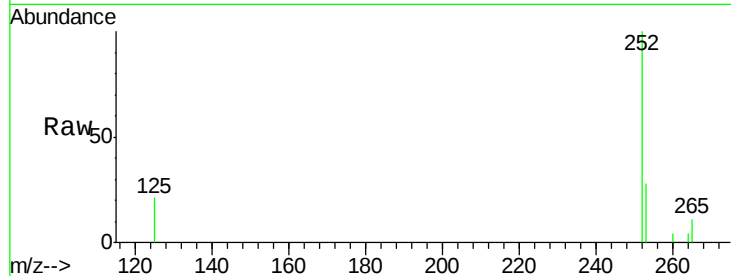
ClientSampleId :

PB102812BS

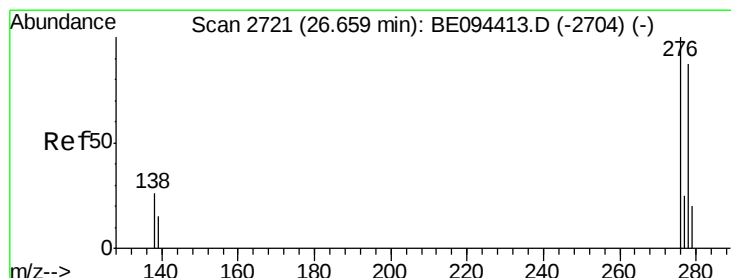
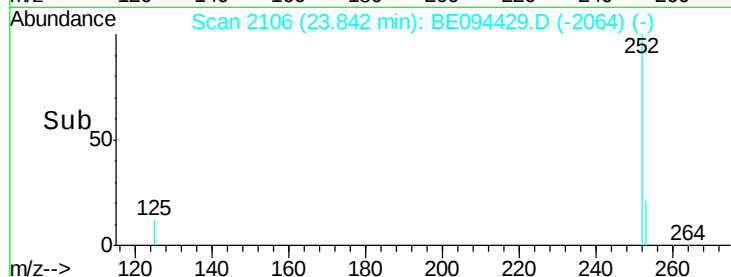
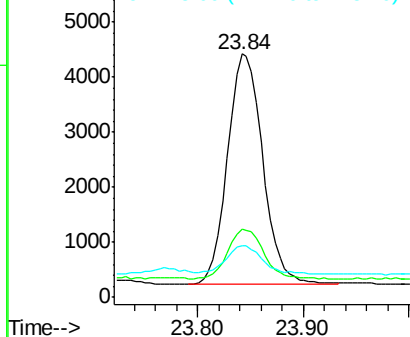
Tgt Ion:	252	Resp:	9792
Ion Ratio	Lower	Upper	
252	100		
253	28.1	52.0	78.0#
125	21.2	68.0	102.0#

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 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: 0.302 ng

RT: 26.65 min Scan# 2719

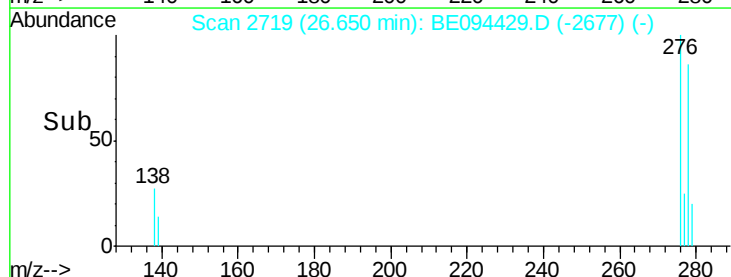
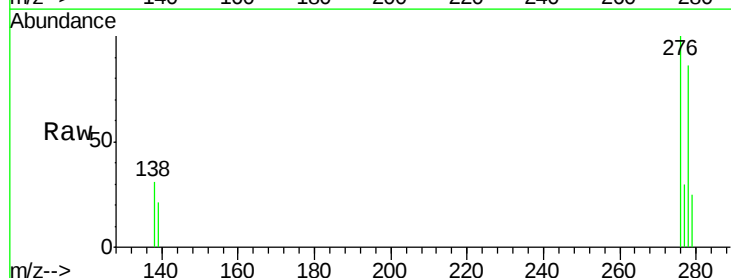
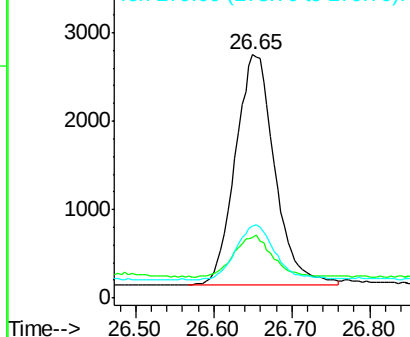
Delta R.T. -0.01 min

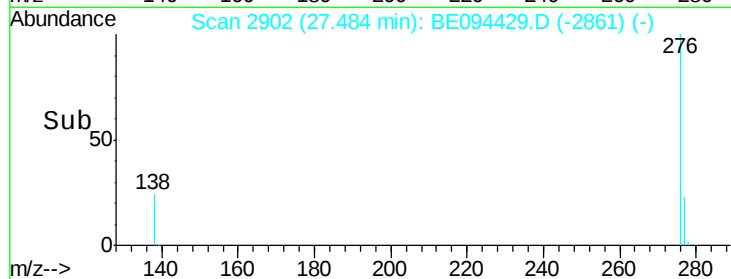
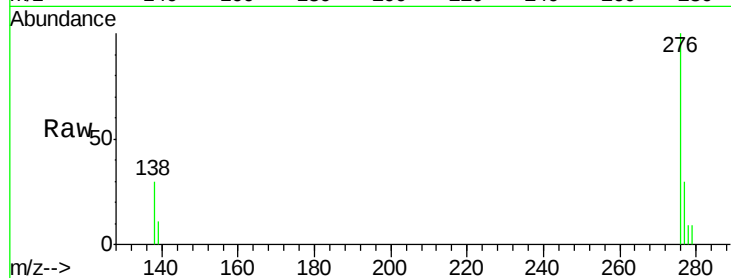
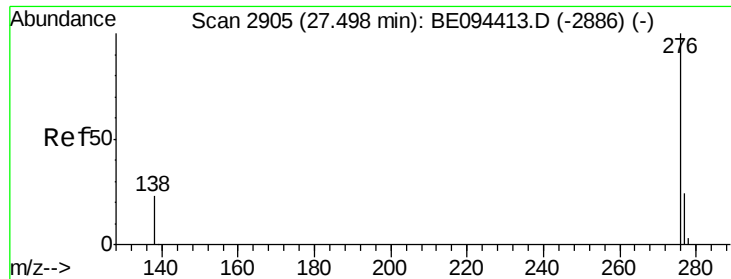
Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Tgt Ion:	278	Resp:	9157
Ion Ratio	Lower	Upper	
278	100		
139	24.8	56.0	84.0#
279	29.5	52.0	78.0#

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





#39

Benzo(g,h,i)perylene

Concen: 0.304 ng

RT: 27.48 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BE094429.D

Acq: 17 Oct 2017 13:52

Instrument :

BNA_E

ClientSampleId :

PB102812BS

Tgt Ion:	276	Resp:	8881
Ion Ratio	Lower	Upper	
276	100		
277	29.8	52.0	78.0#
138	29.6	44.0	66.0#

Manual Integrations
APPROVED

Sohil
10/18/2017 7:21:13 PM

