

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093993.D
 Acq On : 13 Sep 2017 17:34
 Operator : SJ/JU
 Sample : I5167-24
 Misc :
 ALS Vial : 14 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 C19013061

Manual Integrations
 APPROVED

Sohil
 9/14/2017 5:50:33 PM

Quant Time: Sep 14 17:25:31 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	3201	0.80	ng	0.00
7) Naphthalene-d8	10.71	136	18397	0.80	ng	0.00
13) Acenaphthene-d10	14.51	164	16067	0.80	ng	-0.01
19) Phenanthrene-d10	17.24	188	41187	0.80	ng	-0.03
27) Chrysene-d12	21.42	240	34632	0.80	ng	-0.01
34) Perylene-d12	23.93	264	25411	0.80	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	888	0.17	ng	0.00
5) Phenol-d6	7.11	99	730	0.09	ng	0.00
8) Nitrobenzene-d5	9.06	82	2851	0.37	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5744	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	16.00	330	587m	0.24	ng	-0.03
15) 2-Fluorobiphenyl	13.15	172	9331	0.29	ng	-0.01
25) Fluoranthene-d10	19.28	212	60849	0.20	ng	0.00
29) Terphenyl-d14	19.86	244	11877	0.37	ng	-0.01
Target Compounds						
9) Naphthalene	10.74	128	38576	0.366	ng	Qvalue # 84
12) 2-Methylnaphthalene	12.35	142	12434	0.710	ng	96
17) Acenaphthene	14.58	154	32533	1.201	ng	# 81
18) Fluorene	15.56	166	81346	2.327	ng	# 86
23) Phenanthrene	17.27	178	79912m	1.324	ng	
24) Anthracene	17.37	178	12180m	0.194	ng	
32) Bis(2-ethylhexyl)phthalate	21.29	149	27824	0.215	ng	98

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

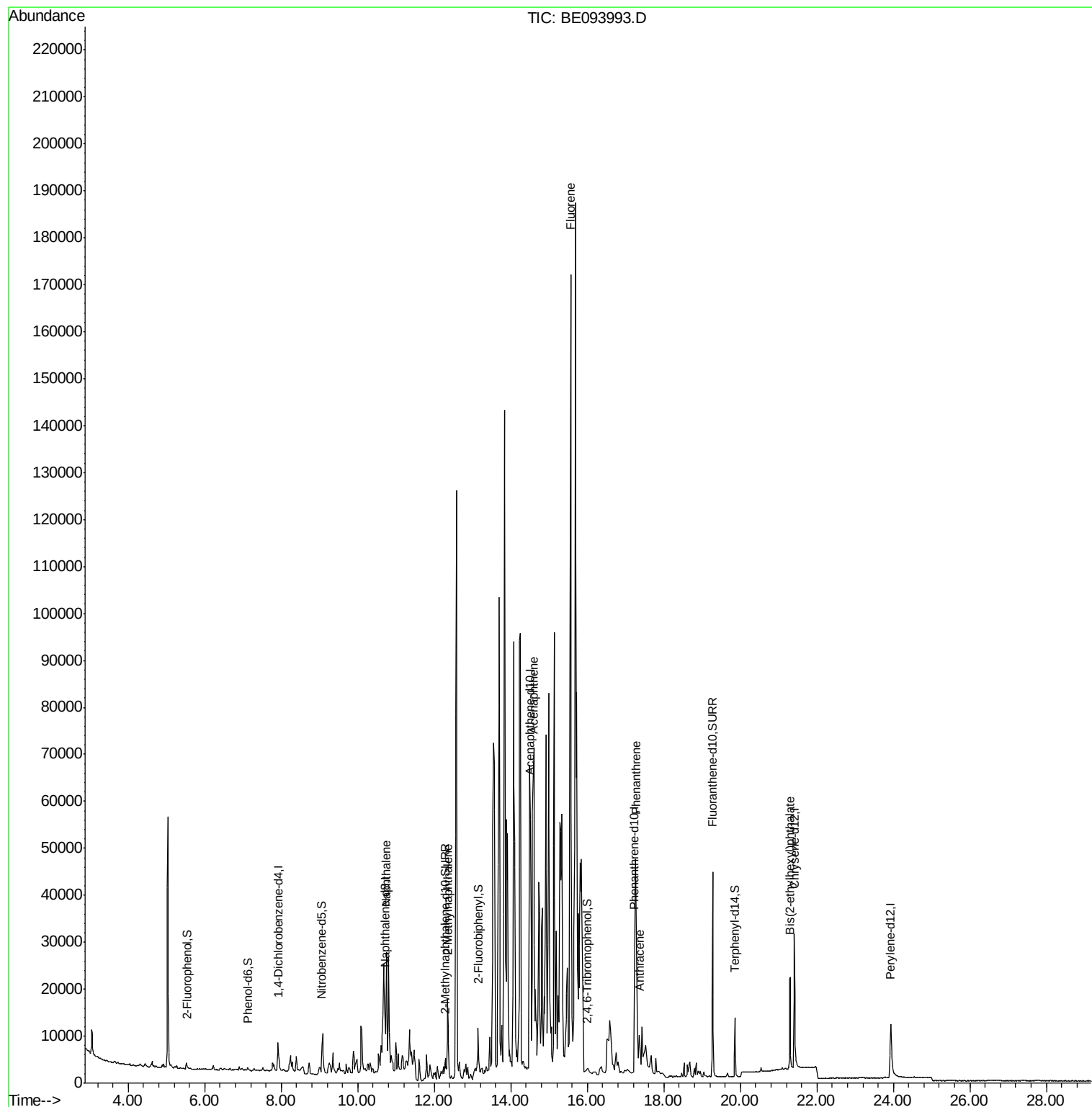
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093993.D
Acq On : 13 Sep 2017 17:34
Operator : SJ/JU
Sample : I5167-24
Misc :
ALS Vial : 14 Sample Multiplier: 2

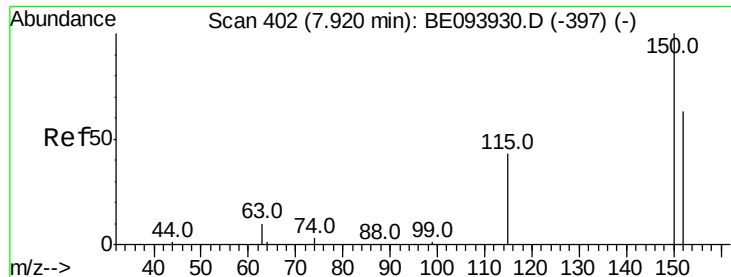
Instrument :
BNA_E
ClientSampleId :
C19013061

Manual Integrations
APPROVED

Sohil
9/14/2017 5:50:33 PM

Quant Time: Sep 14 17:25:31 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration





#1

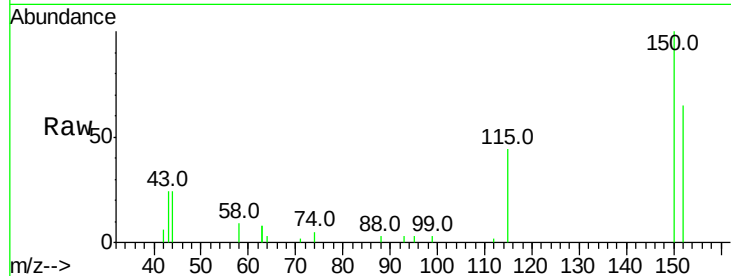
1,4-Dichlorobenzene-d4
Concen: 0.800 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Instrument :
BNA_E
ClientSampleId :
C19013061

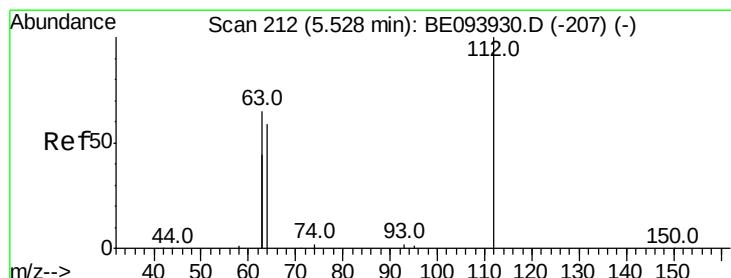
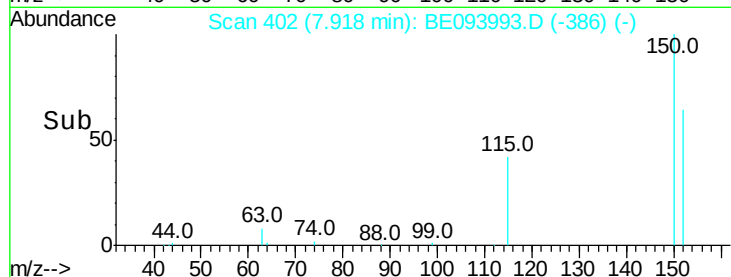
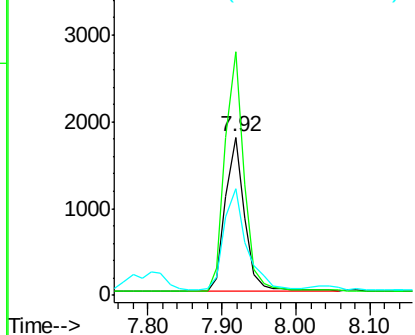
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	121.8	182.6
115	67.3	52.6	79.0

Manual Integrations
APPROVED

Sohil
9/14/2017 5:50:33 PM



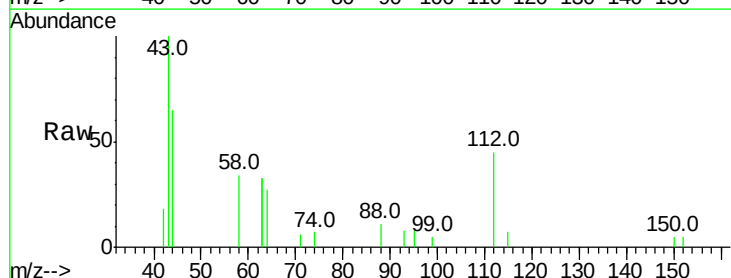
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



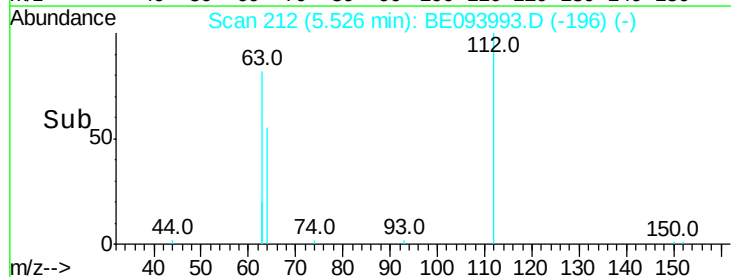
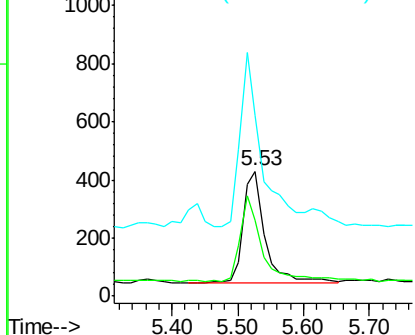
#4

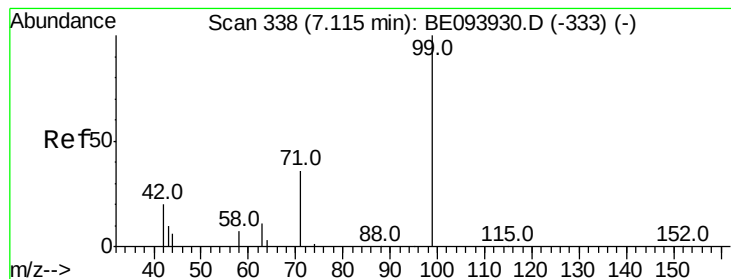
2-Fluorophenol
Concen: 0.172 ng
RT: 5.53 min Scan# 212
Delta R.T. -0.00 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.2	57.7	86.5
63	156.0	116.0	174.0



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: 0.094 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampled :

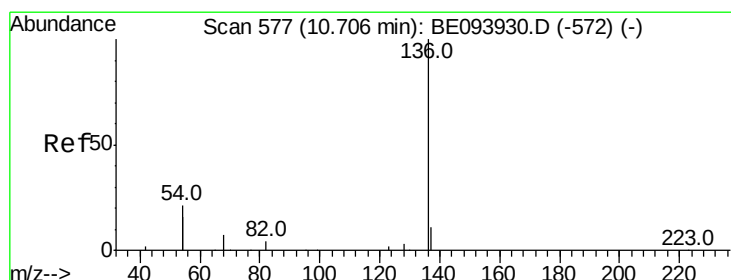
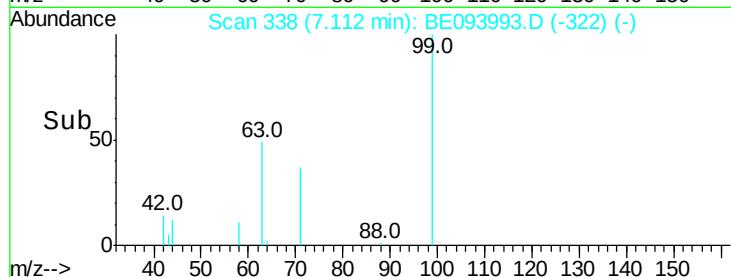
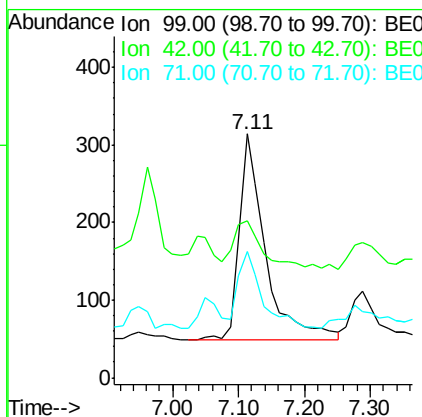
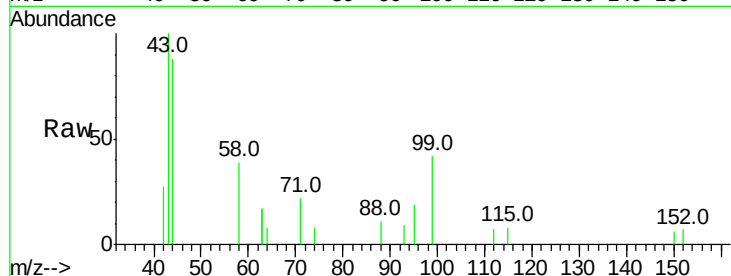
C19013061

Tot Ion:	99	Resp:	730
Ion	Ratio	Lower	Upper
99	100		
42	24.9	17.1	25.7
71	34.5	26.6	39.8

Manual Integrations
APPROVED

Sohil

9/14/2017 5:50:33 PM



#7

Naphthalene-d8

Concen: 0.800 ng

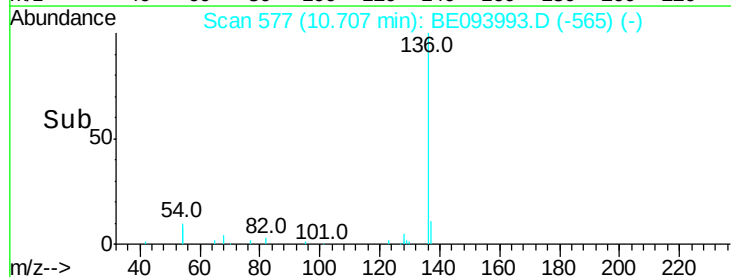
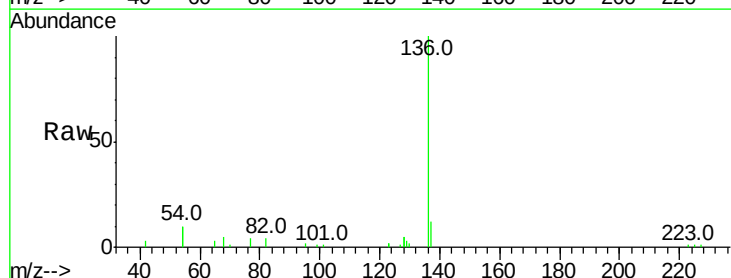
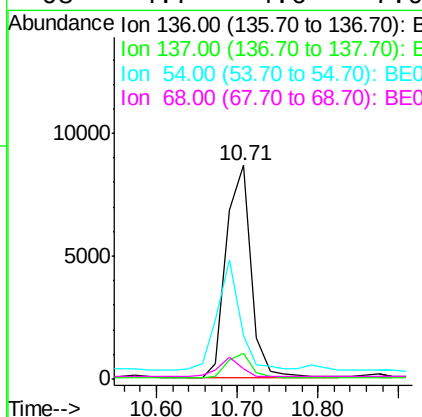
RT: 10.71 min Scan# 577

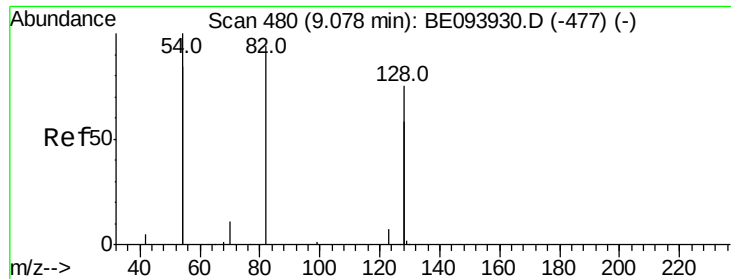
Delta R.T. 0.00 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Tgt Ion:	136	Resp:	18397
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	20.3	21.9	32.9#
68	4.7	4.6	7.0





#8

Nitrobenzene-d5

Concen: 0.366 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.02 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampleId :

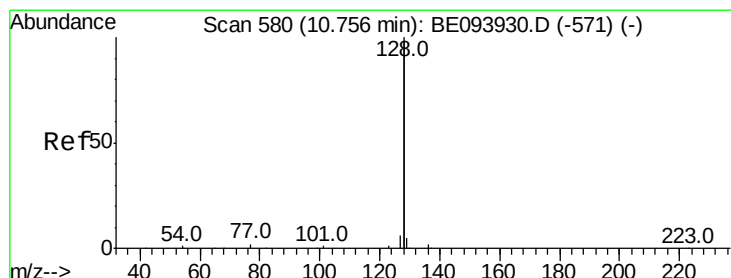
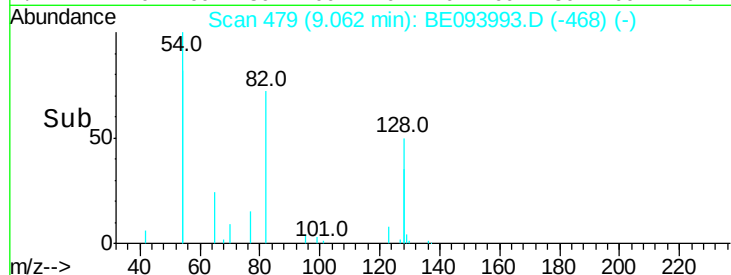
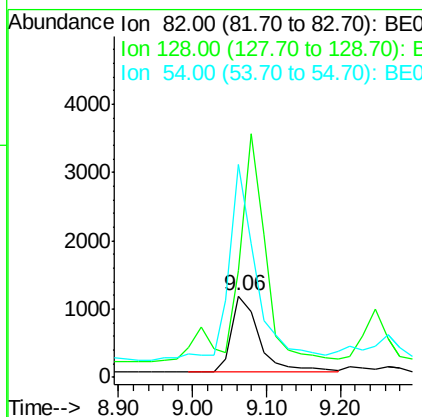
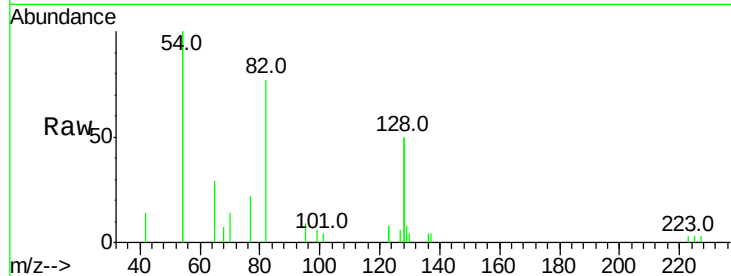
C19013061

Tot Ion:	82	Resp:	2851
Ion	Ratio	Lower	Upper
82	100		
128	130.5	91.4	137.0
54	261.4	197.8	296.8

Manual Integrations
APPROVED

Sohil

9/14/2017 5:50:33 PM



#9

Naphthalene

Concen: 0.366 ng

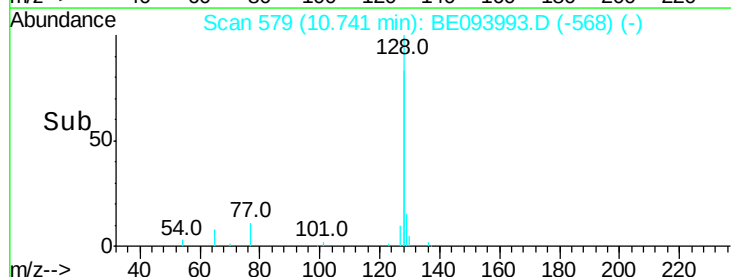
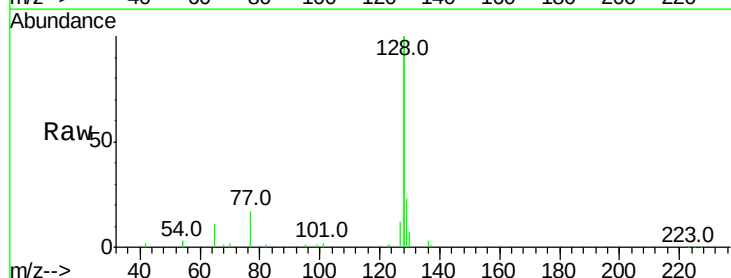
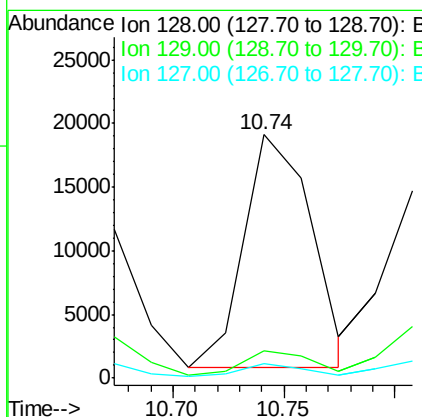
RT: 10.74 min Scan# 579

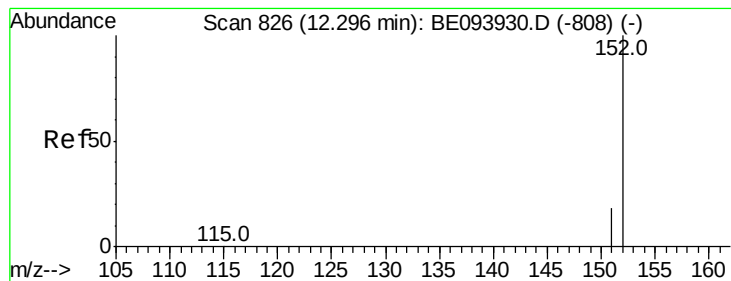
Delta R.T. -0.02 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Tgt Ion:	128	Resp:	38576
Ion	Ratio	Lower	Upper
128	100		
129	11.3	2.5	3.7#
127	5.9	2.6	4.0#





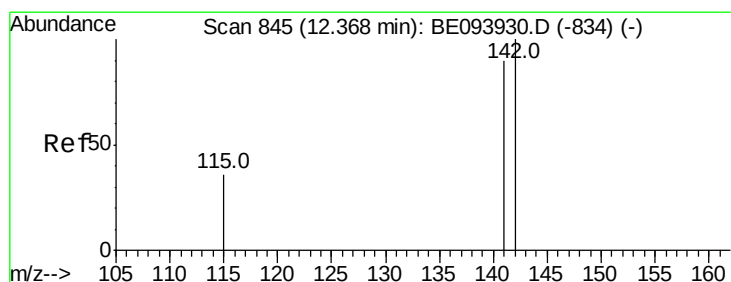
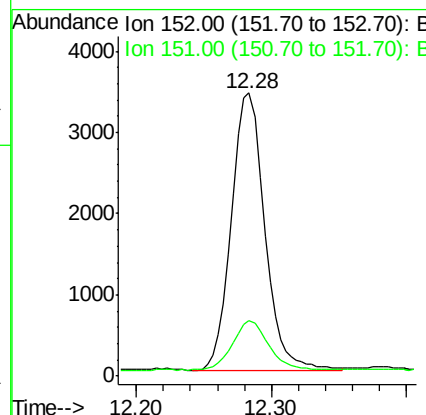
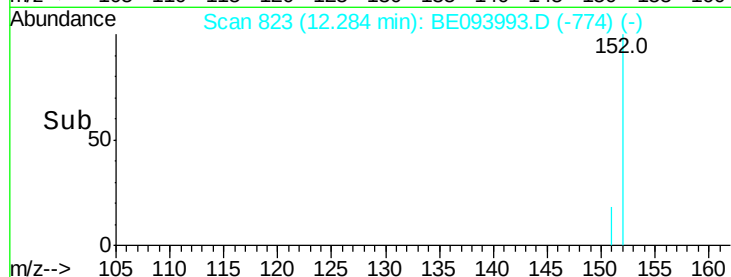
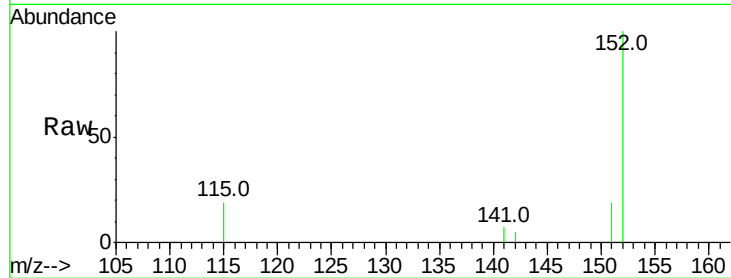
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.28 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Instrument :
BNA_E
ClientSampleId :
C19013061

Tot Ion:152 Resp: 5744
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.0

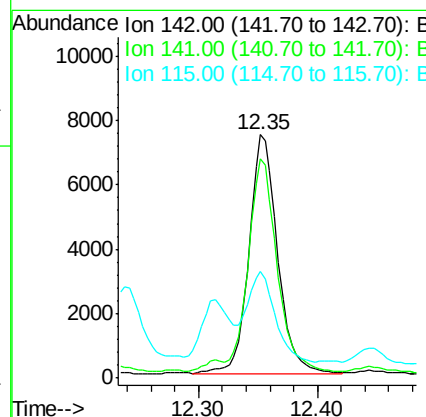
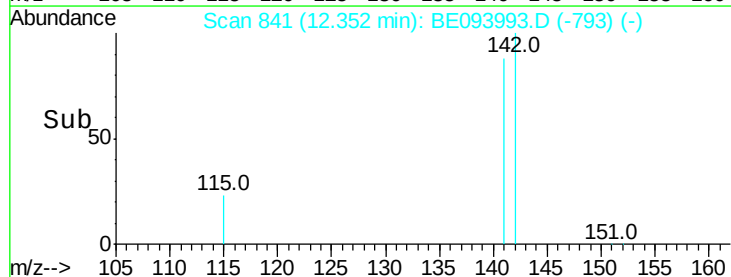
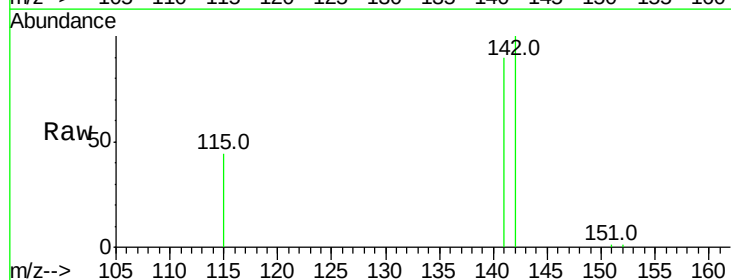
Manual Integrations
APPROVED

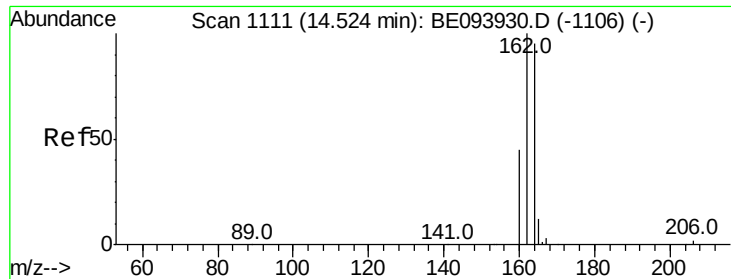
Sohil
9/14/2017 5:50:33 PM



#12
2-Methylnaphthalene
Concen: 0.710 ng
RT: 12.35 min Scan# 841
Delta R.T. -0.02 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Tgt Ion:142 Resp: 12434
Ion Ratio Lower Upper
142 100
141 90.3 71.4 107.2
115 43.7 29.4 44.0





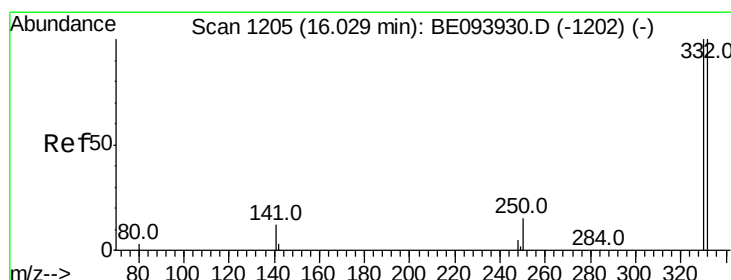
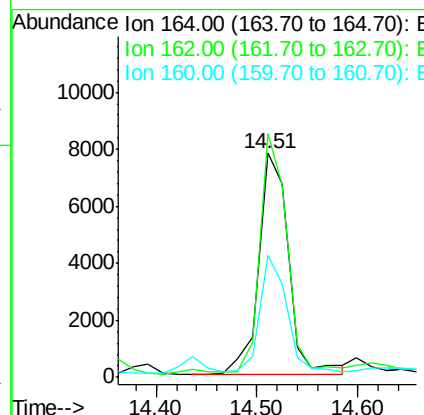
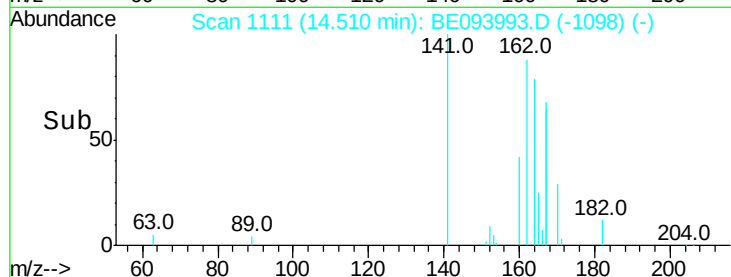
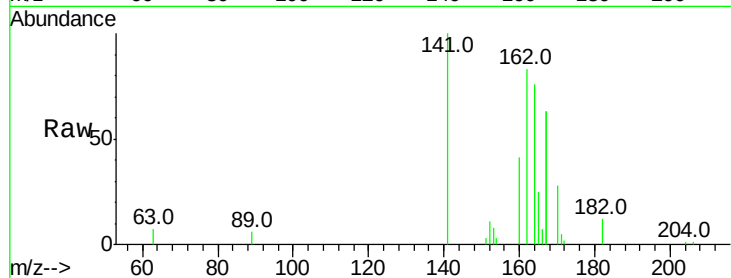
#13
 Acenaphthene-d10
 Concen: 0.800 ng
 RT: 14.51 min Scan# 1111
 Delta R.T. -0.01 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Instrument :
 BNA_E
 ClientSampleId :
 C19013061

Tot Ion	Ratio	Lower	Upper
164	100		
162	108.7	80.8	121.2
160	54.3	37.0	55.4

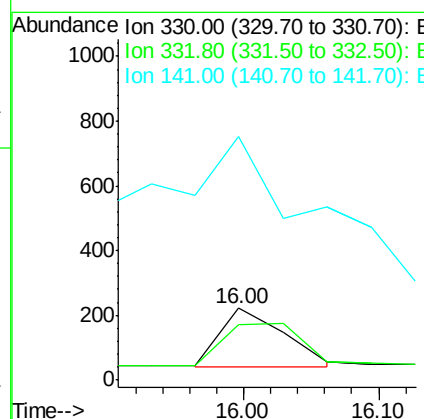
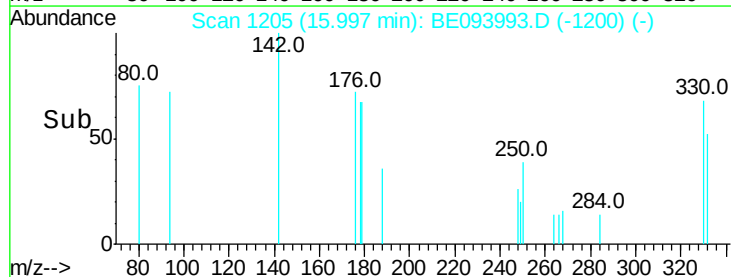
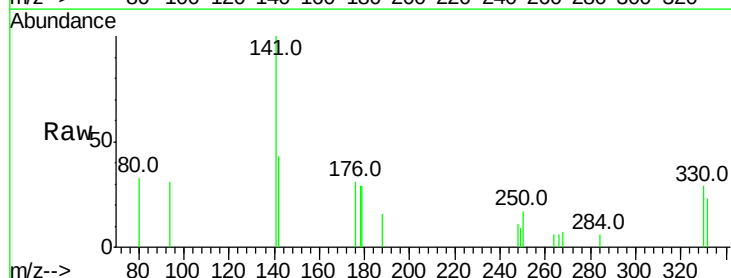
Manual Integrations
 APPROVED

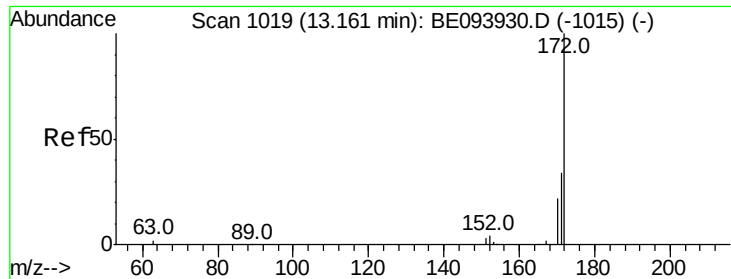
Sohil
 9/14/2017 5:50:33 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.236 ng m
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.9	115.3#
141	0.0	0.0	0.0





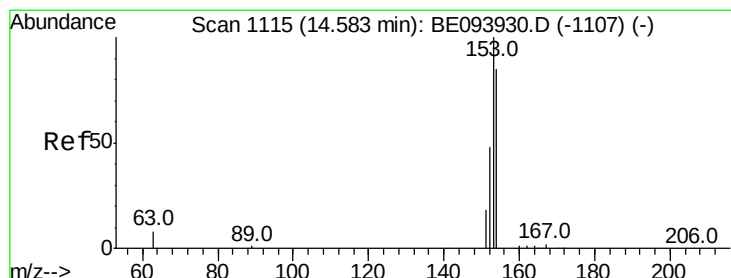
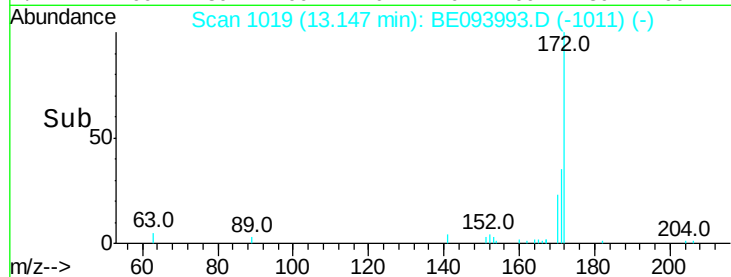
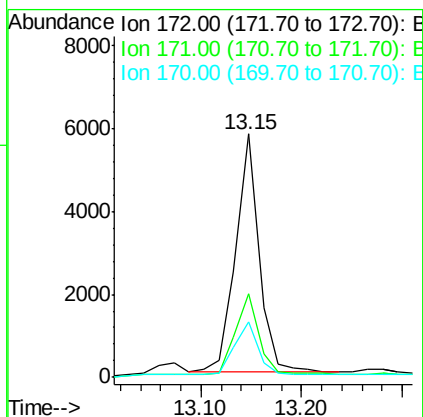
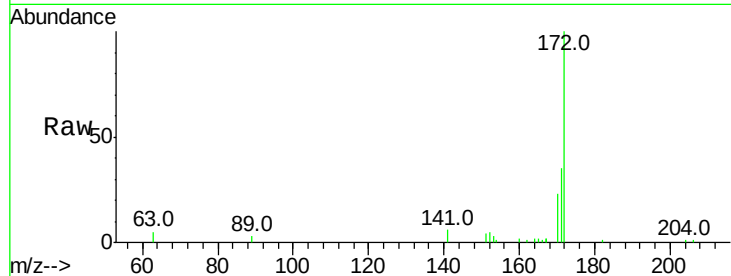
#15
2-Fluorobiphenyl
Concen: 0.294 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Instrument :
BNA_E
ClientSampleId :
C19013061

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.9	40.3
170	22.7	17.3	25.9

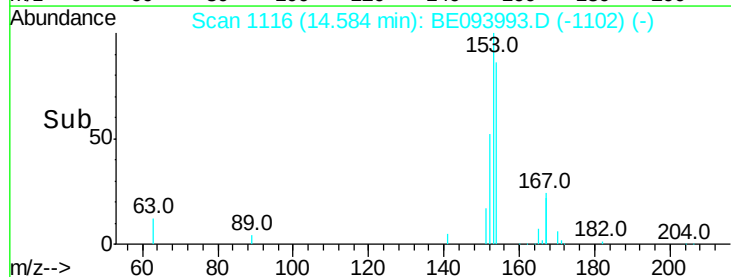
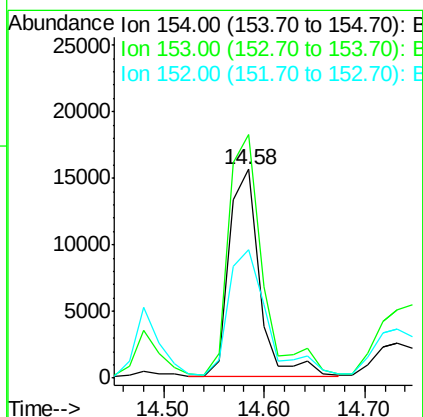
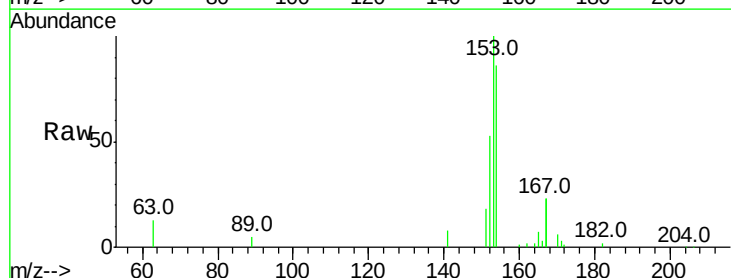
Manual Integrations
APPROVED

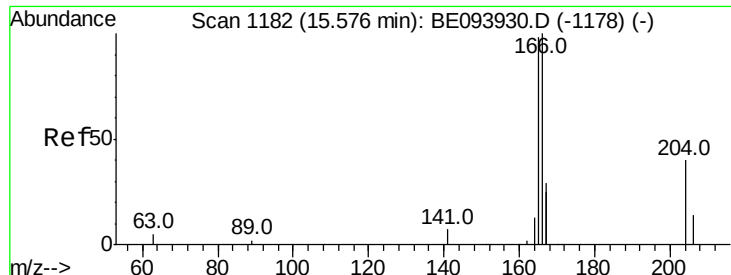
Sohil
9/14/2017 5:50:33 PM



#17
Acenaphthene
Concen: 1.201 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	130.7	91.8	137.6
152	77.4	44.9	67.3#





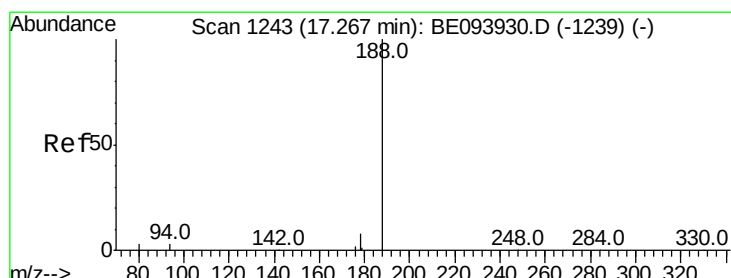
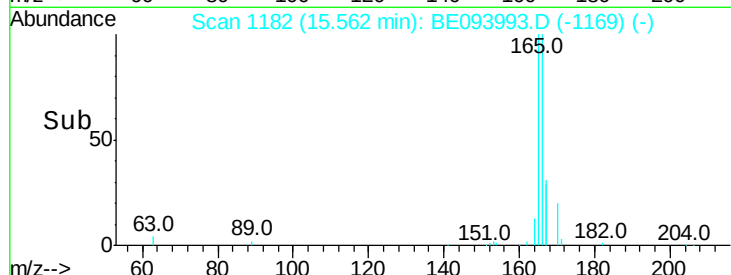
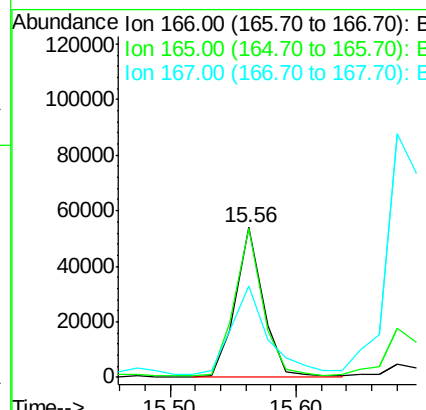
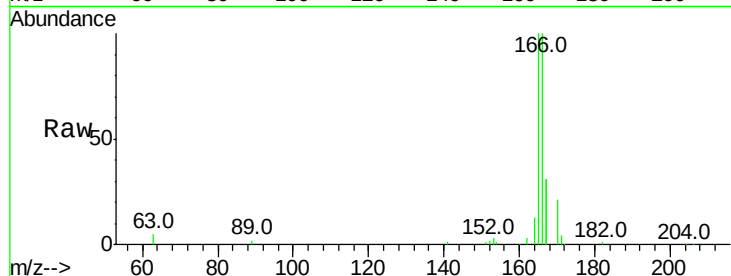
#18
Fluorene
 Concen: 2.327 ng
 RT: 15.56 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Instrument :
 BNA_E
 ClientSampleId :
 C19013061

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.3	79.4	119.0
167	81.0	43.5	65.3

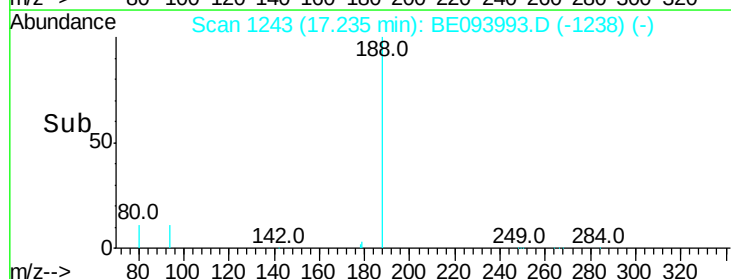
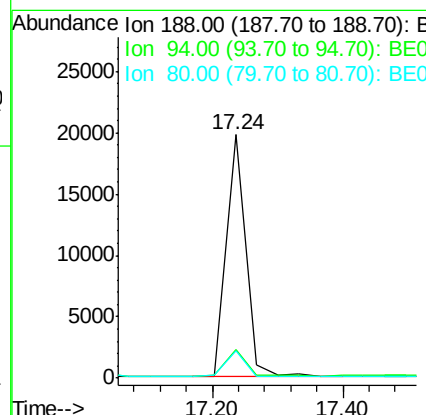
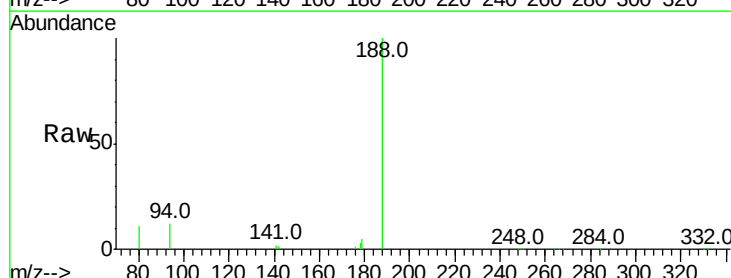
Manual Integrations
 APPROVED

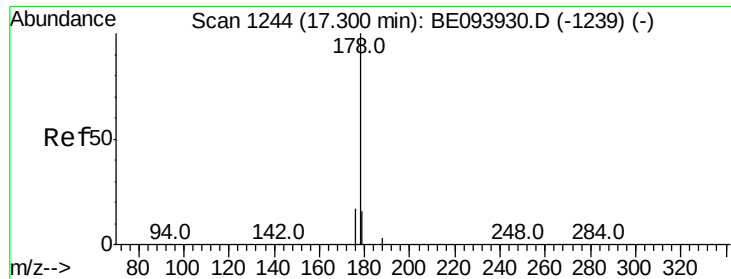
Sohil
 9/14/2017 5:50:33 PM



#19
Phenanthrene-d10
 Concen: 0.800 ng
 RT: 17.24 min Scan# 1243
 Delta R.T. -0.03 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	16.1	24.1
80	11.5	18.2	27.2





#23

Phenanthrene

Concen: 1.324 ng/mL

RT: 17.27 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

ClientSampleId :

C19013061

Tot Ion:178 Resp: 79912

Ion Ratio Lower Upper

178 100

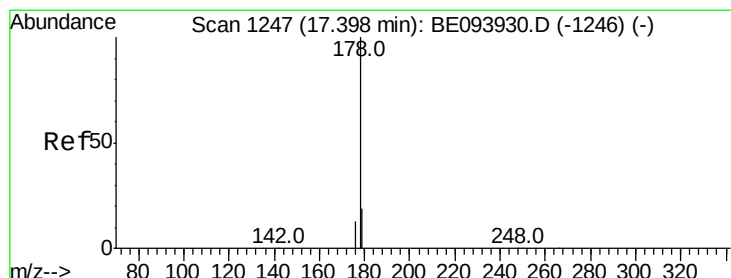
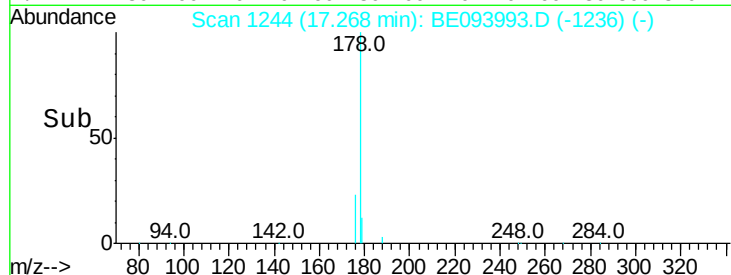
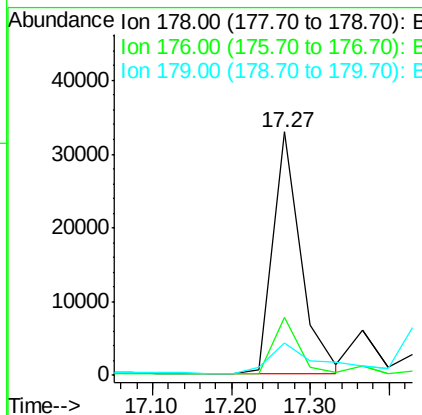
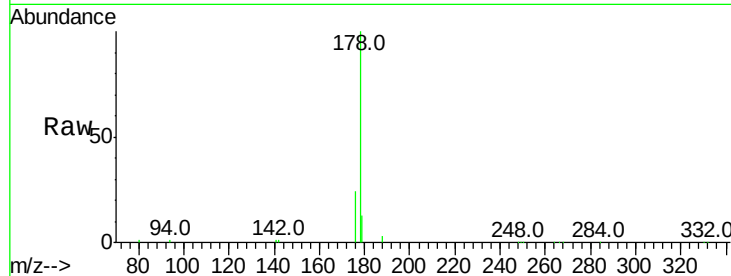
176 21.7 0.0 0.0#

179 21.9 12.6 18.8#

Manual Integrations
APPROVED

Sohil

9/14/2017 5:50:33 PM



#24

Anthracene

Concen: 0.194 ng/mL

RT: 17.37 min Scan# 1247

Delta R.T. -0.03 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

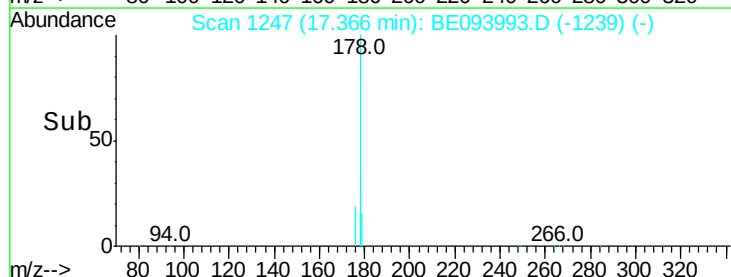
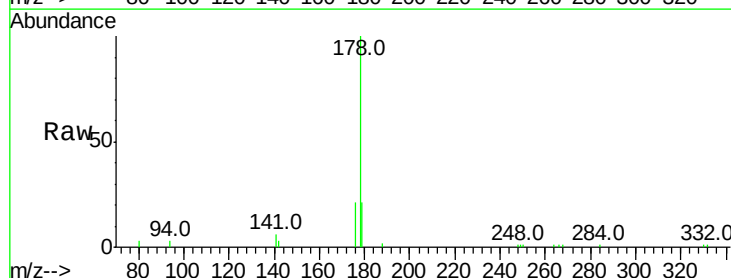
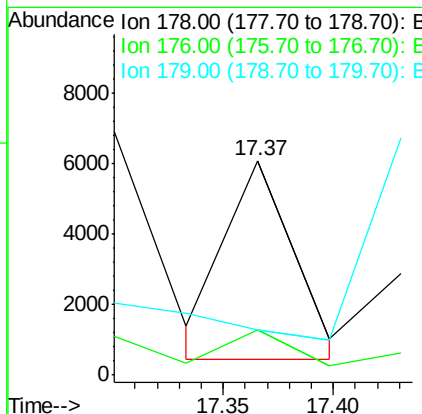
Tgt Ion:178 Resp: 12180

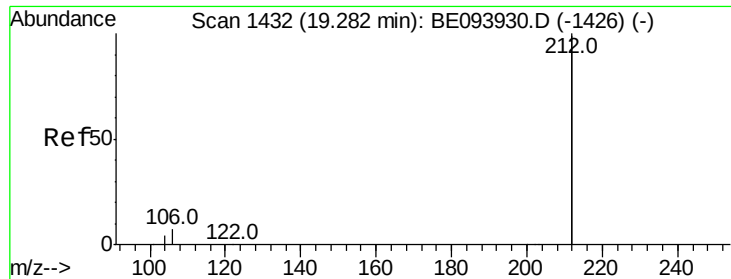
Ion Ratio Lower Upper

178 100

176 142.7 16.0 24.0#

179 143.6 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.198 ng

RT: 19.28 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Instrument :

BNA_E

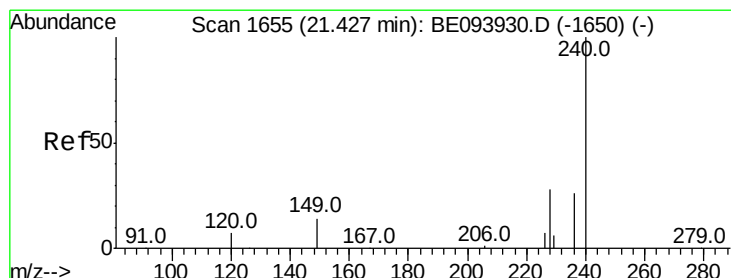
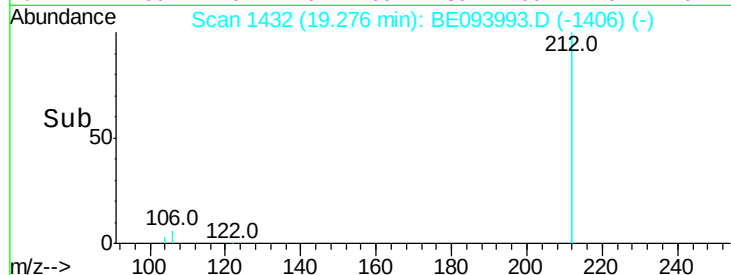
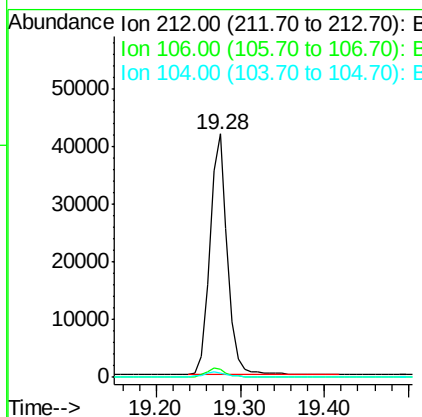
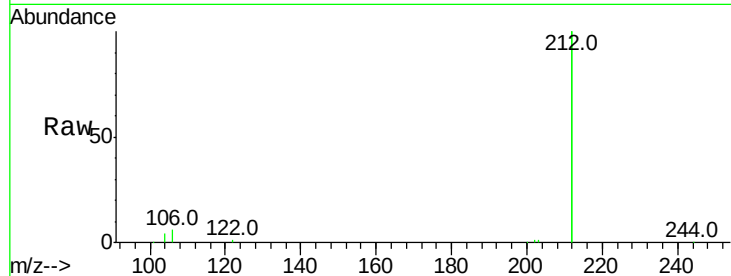
ClientSampleId :

C19013061

Tot Ion:	212	Resp:	60849
Ion Ratio	Lower	Upper	
212	100		
106	3.7	2.7	4.1
104	2.3	1.6	2.4

Manual Integrations
APPROVED

Sohil
9/14/2017 5:50:33 PM



#27

Chrysene-d12

Concen: 0.800 ng

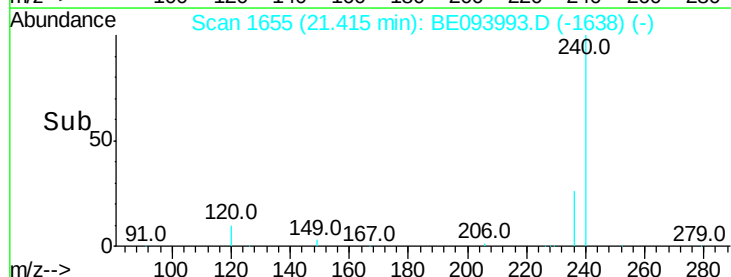
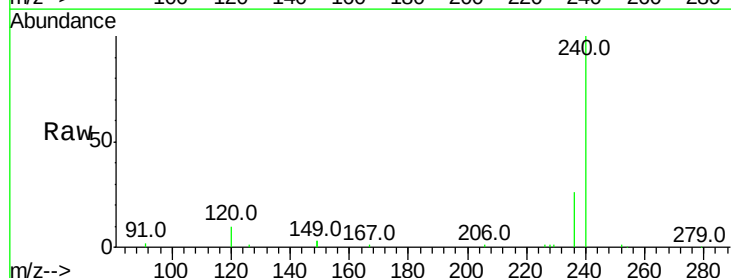
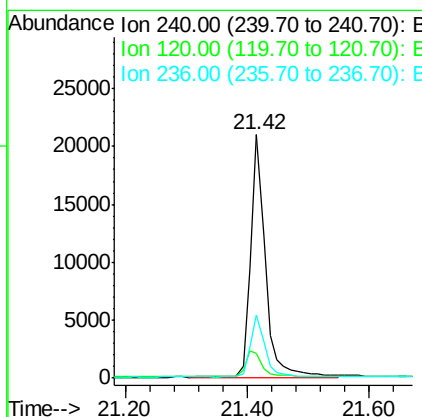
RT: 21.42 min Scan# 1655

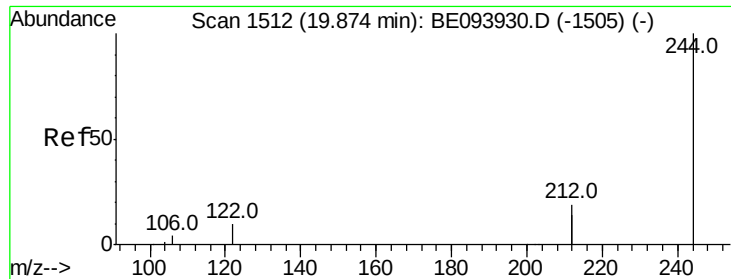
Delta R.T. -0.01 min

Lab File: BE093993.D

Acq: 13 Sep 2017 17:34

Tgt Ion:	240	Resp:	34632
Ion Ratio	Lower	Upper	
240	100		
120	10.2	8.7	13.1
236	26.0	21.3	31.9





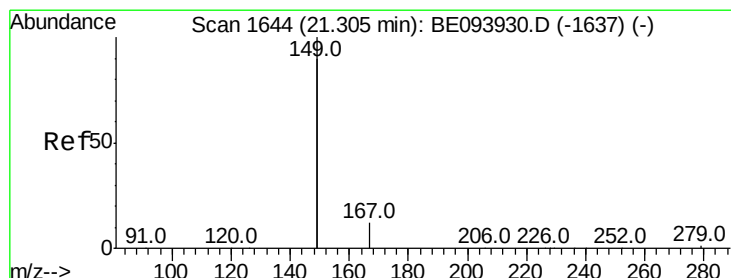
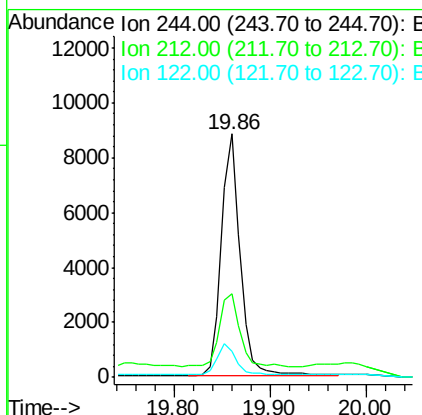
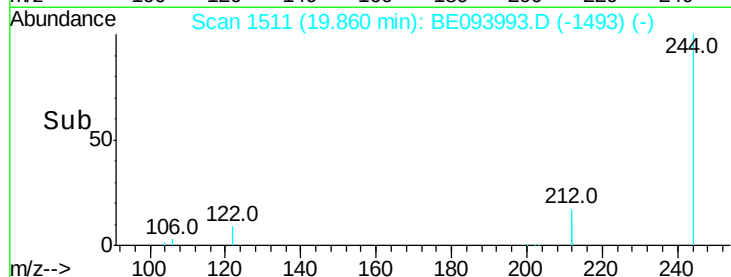
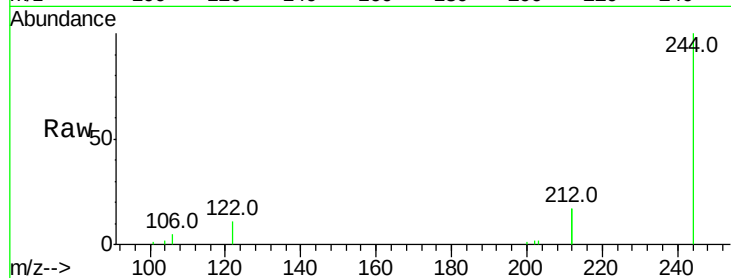
#29
 Terphenyl-d14
 Concen: 0.373 ng
 RT: 19.86 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Instrument :
 BNA_E
 ClientSampleId :
 C19013061

Tot Ion	Ratio	Lower	Upper
244	100		
212	34.5	28.3	42.5
122	10.6	9.4	14.0

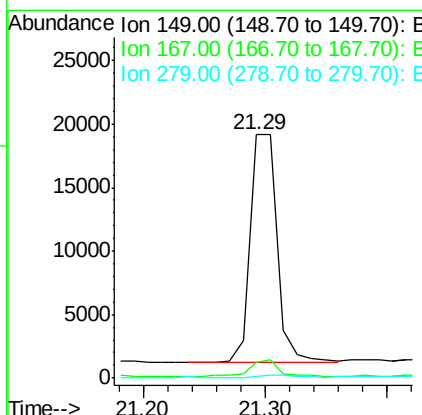
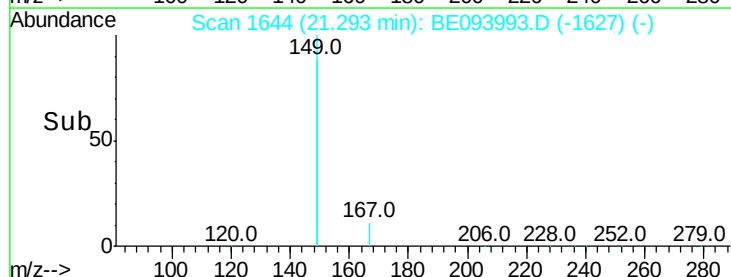
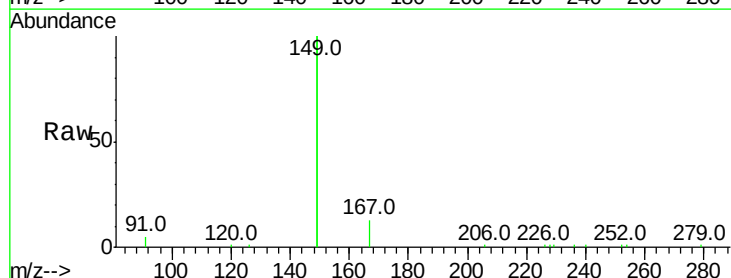
Manual Integrations
 APPROVED

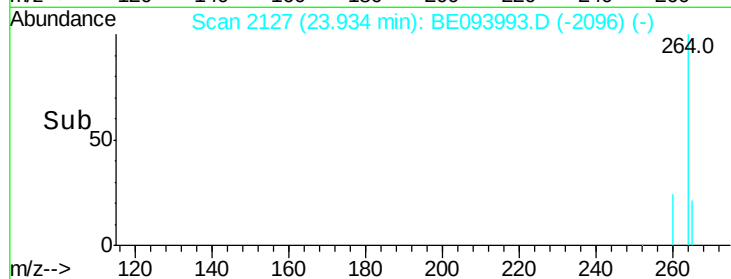
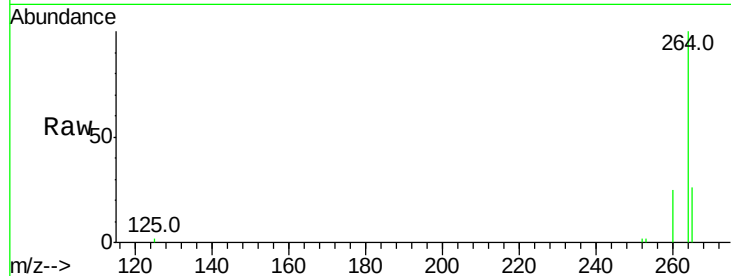
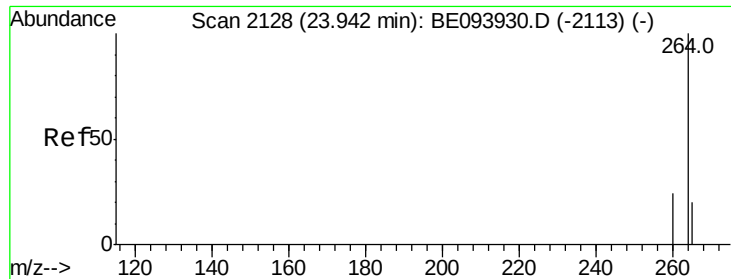
Sohil
 9/14/2017 5:50:33 PM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.215 ng
 RT: 21.29 min Scan# 1644
 Delta R.T. -0.01 min
 Lab File: BE093993.D
 Acq: 13 Sep 2017 17:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.4	8.0
279	0.9	0.7	1.1





#34
Pervlene-d12
Concen: 0.800 ng
RT: 23.93 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BE093993.D
Acq: 13 Sep 2017 17:34

Tot Ion:	264	Resp:	25411
Ion Ratio	Lower	Upper	
264	100		
260	25.0	20.0	30.0
265	26.1	24.0	36.0

Instrument :
BNA_E
ClientSampleId :
C19013061

Manual Integrations
APPROVED

Sohil
9/14/2017 5:50:33 PM

