

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
 Data File : BE091574.D
 Acq On : 31 Mar 2016 3:32
 Operator : UM/SJ
 Sample : H1946-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Sohil
 3/31/2016 4:56:38 PM

Quant Time: Mar 31 04:36:12 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 18:45:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	36841	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	175493	5.00	ng	0.00
10) Acenaphthene-d10	14.42	164	110285	5.00	ng	-0.03
16) Phenanthrene-d10	17.16	188	276548	5.00	ng	-0.01
22) Chrysene-d12	21.31	240	402385	5.00	ng	-0.02
28) Perylene-d12	23.76	264	329164	5.00	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	21358	2.21	ng	-0.01
5) Phenol-d6	6.97	99	19378	1.49	ng	-0.02
7) Nitrobenzene-d5	8.96	82	38541	3.27	ng	-0.02
11) 2,4,6-Tribromophenol	15.91	330	32980	6.75	ng	-0.01
12) 2-Fluorobiphenyl	13.05	172	110491	3.53	ng	-0.02
24) Terphenyl-d14	19.76	244	212970	4.17	ng	-0.02
Target Compounds						
14) Acenaphthene	14.49	154	6201m	0.23	ng	Qvalue
15) Fluorene	15.47	166	5024	0.14	ng	# 98
19) Phenanthrene	17.19	178	4521	0.07	ng	95
20) Anthracene	17.29	178	3484	0.06	ng	97
21) Fluoranthene	19.21	202	18359	0.24	ng	97
23) Pyrene	19.57	202	12916	0.16	ng	# 94

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

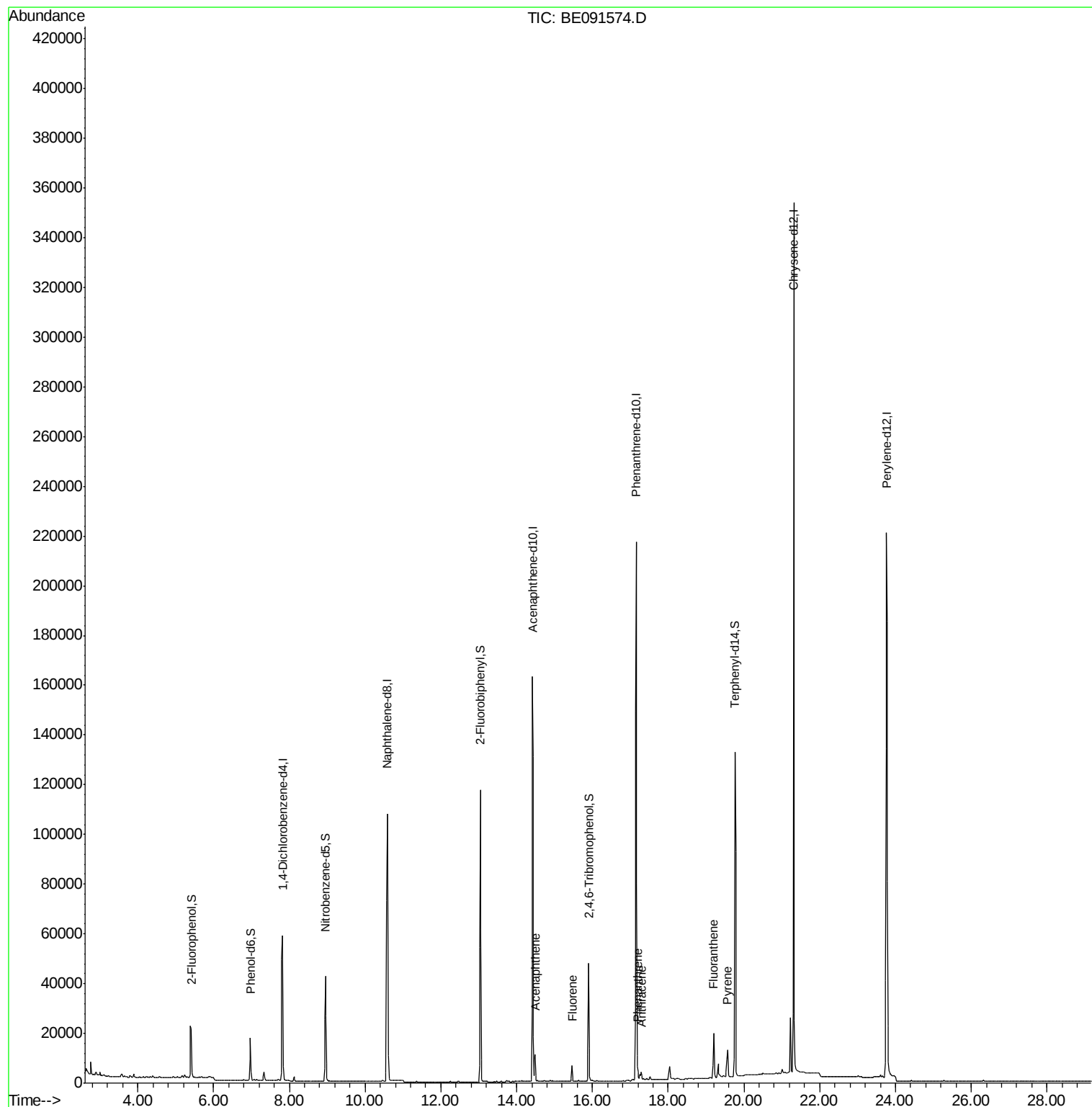
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE033116\
Data File : BE091574.D
Acq On : 31 Mar 2016 3:32
Operator : UM/SJ
Sample : H1946-10
Misc :
ALS Vial : 21 Sample Multiplier: 1

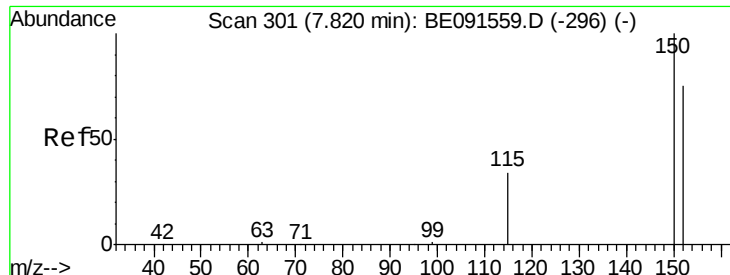
Instrument :
BNA_E
ClientSampleId :
MW-3

Manual Integrations
APPROVED

Sohil
3/31/2016 4:56:38 PM

Quant Time: Mar 31 04:36:12 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE033016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 18:45:59 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.82 min Scan# 301

Delta R.T. -0.00 min

Lab File: BE091574.D

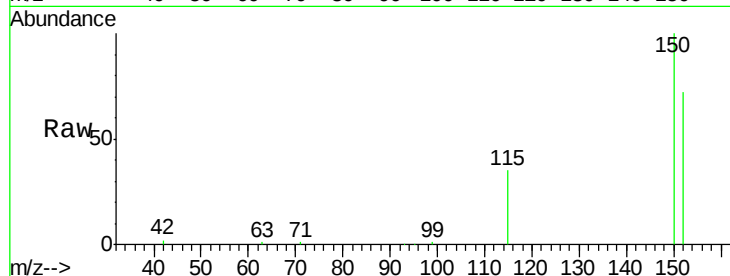
Acq: 31 Mar 2016 3:32

Instrument :

BNA_E

ClientSampled :

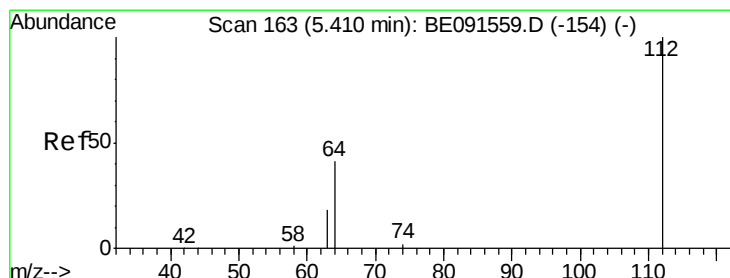
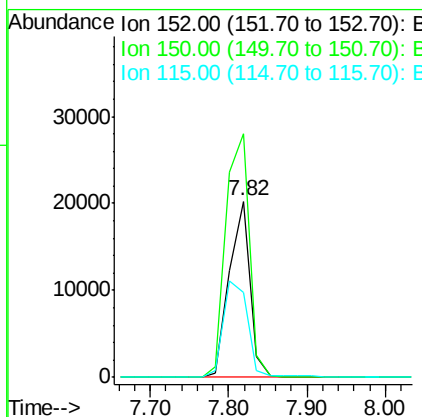
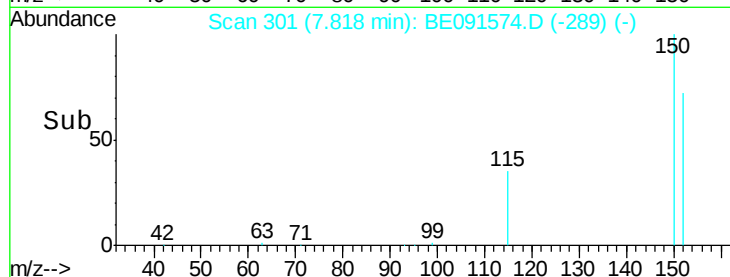
MW-3



Tgt Ion:	152	Resp:	36841
Ion Ratio	Lower	Upper	
152	100		
150	138.1	122.2	183.2
115	48.3	45.9	68.9

Manual Integrations
APPROVED

Sohil
3/31/2016 4:56:38 PM



#4

2-Fluorophenol

Concen: 2.21 ng

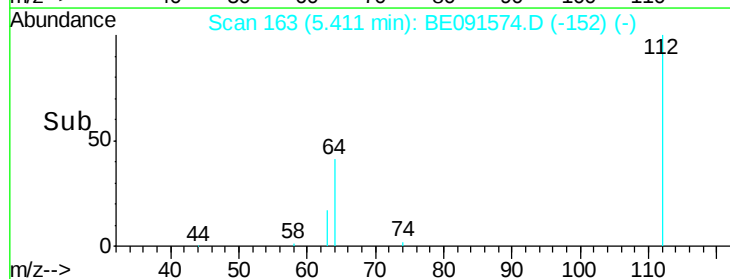
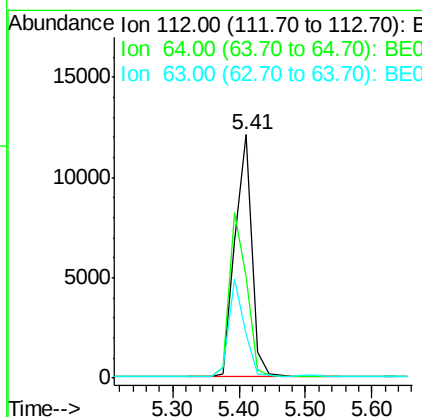
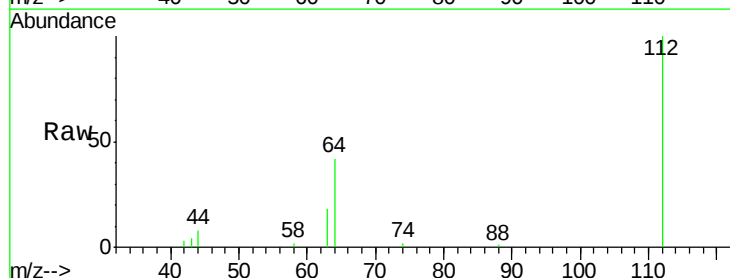
RT: 5.41 min Scan# 163

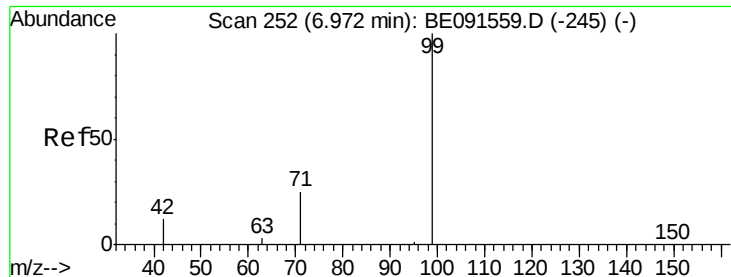
Delta R.T. -0.01 min

Lab File: BE091574.D

Acq: 31 Mar 2016 3:32

Tgt Ion:	112	Resp:	21358
Ion Ratio	Lower	Upper	
112	100		
64	68.7	53.3	79.9
63	36.6	29.8	44.8





#5

Phenol-d6

Concen: 1.49 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091574.D

Acq: 31 Mar 2016 3:32

Instrument :

BNA_E

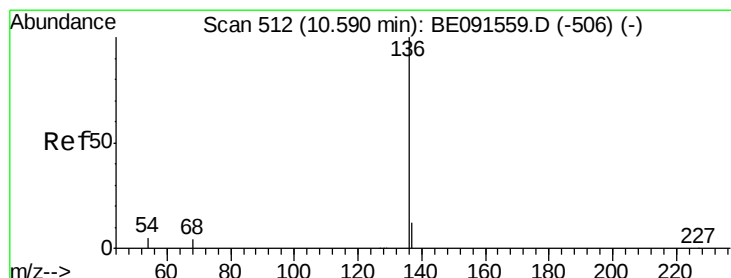
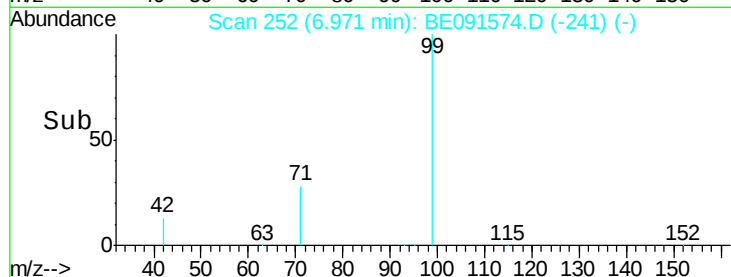
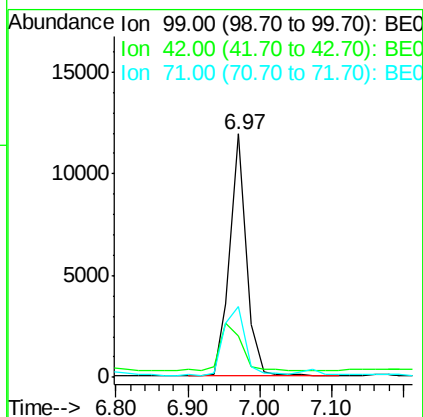
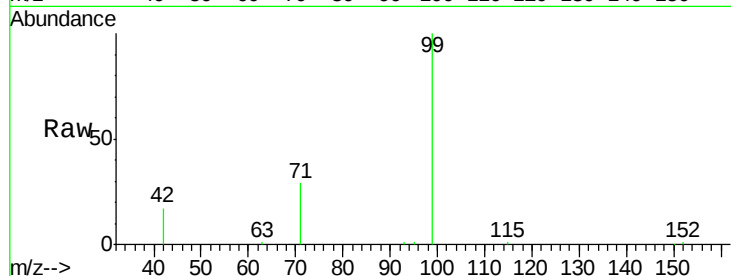
ClientSampleId :

MW-3

Tgt Ion:	99	Resp:	19378
Ion Ratio	Lower	Upper	
99	100		
42	24.5	20.6	30.8
71	35.9	29.0	43.4

Manual Integrations
APPROVED

Sohil
3/31/2016 4:56:38 PM



#6

Naphthalene-d8

Concen: 5.00 ng

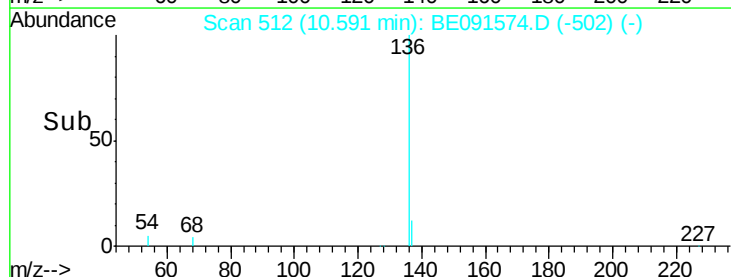
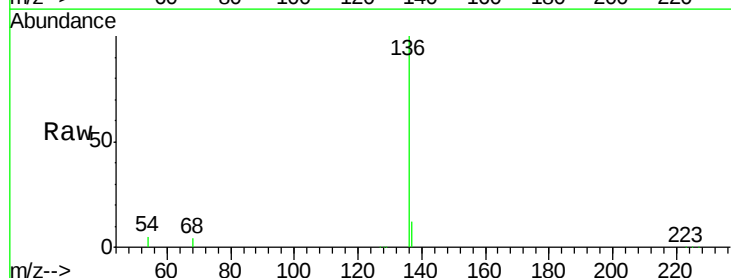
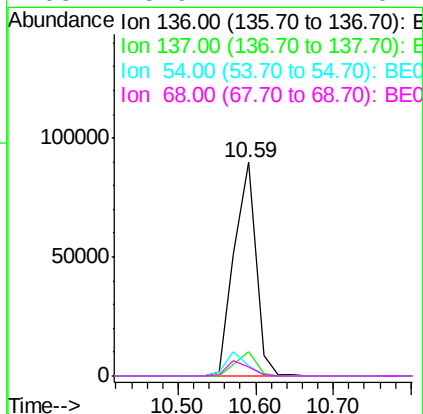
RT: 10.59 min Scan# 512

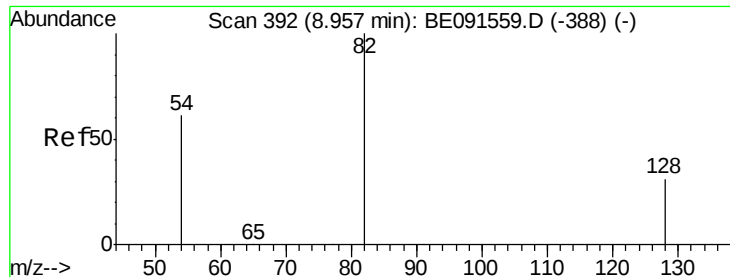
Delta R.T. -0.00 min

Lab File: BE091574.D

Acq: 31 Mar 2016 3:32

Tgt Ion:	136	Resp:	175493
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.8	13.2
54	4.7	5.2	7.8#
68	3.9	4.1	6.1#





#7

Nitrobenzene-d5

Concen: 3.27 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.02 min

Lab File: BE091574.D

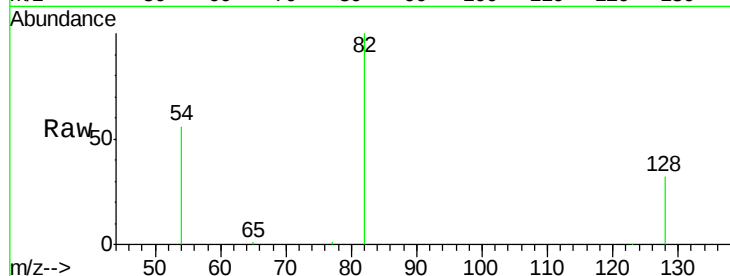
Acq: 31 Mar 2016 3:32

Instrument :

BNA_E

ClientSampleId :

MW-3



Tgt Ion: 82 Resp: 38541

Ion Ratio Lower Upper

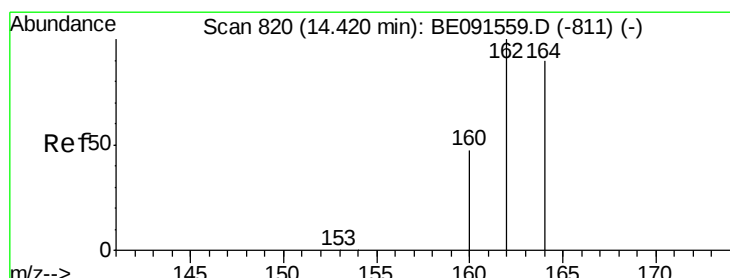
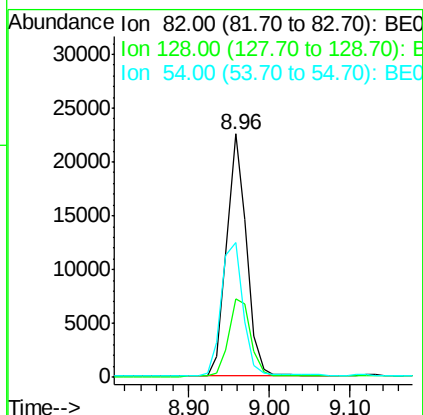
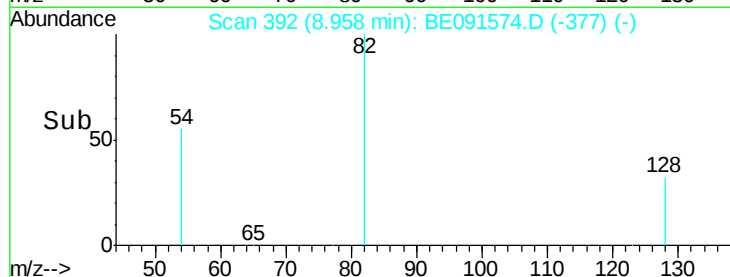
82 100

128 32.3 23.5 35.3

54 55.6 52.4 78.6

Manual Integrations
APPROVED

Sohil
3/31/2016 4:56:38 PM



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.03 min

Lab File: BE091574.D

Acq: 31 Mar 2016 3:32

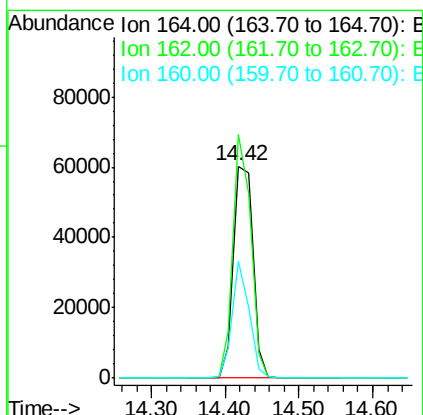
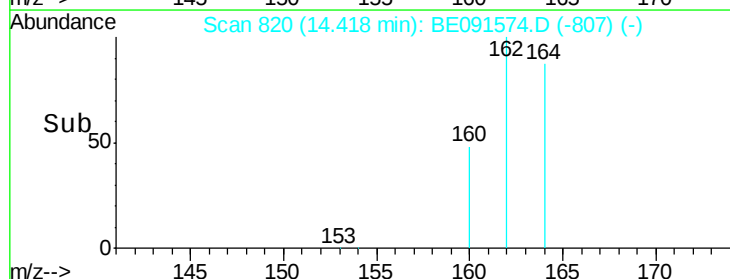
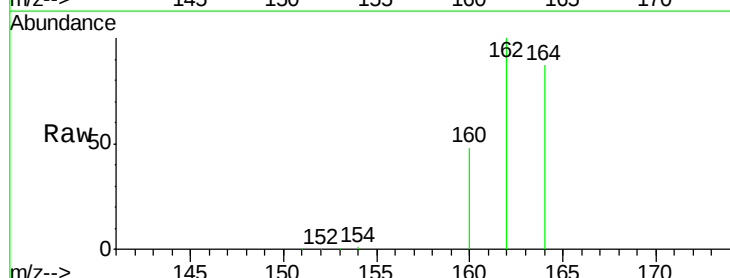
Tgt Ion: 164 Resp: 110285

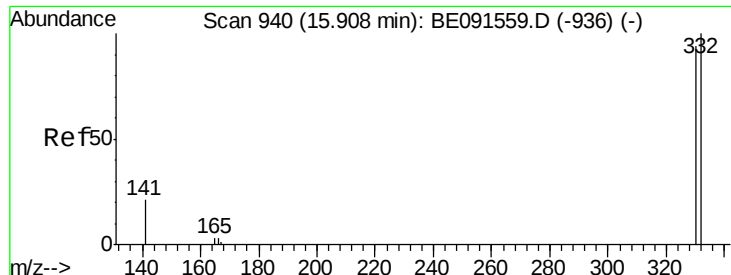
Ion Ratio Lower Upper

164 100

162 114.8 84.4 126.6

160 55.0 37.7 56.5





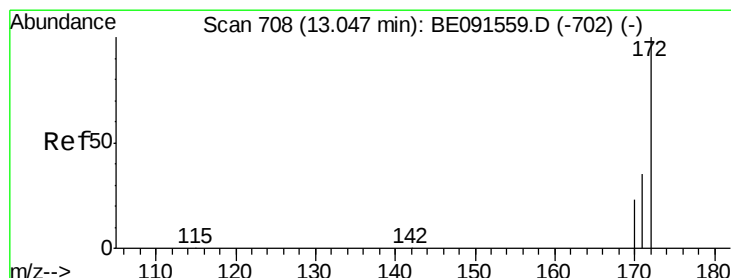
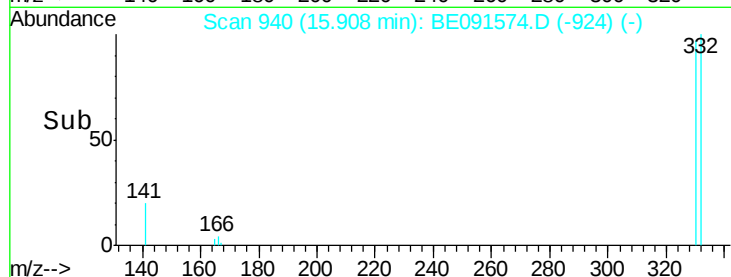
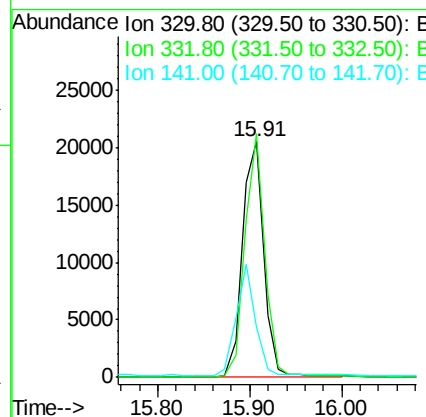
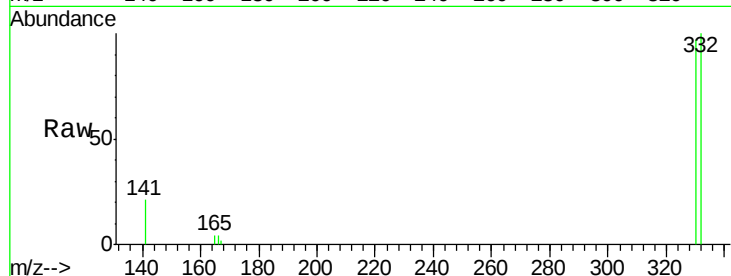
#11
 2,4,6-Tribromophenol
 Concen: 6.75 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091574.D
 Acq: 31 Mar 2016 3:32

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	32980		
332	96.2	79.2	118.8	
141	43.1	28.1	42.1#	

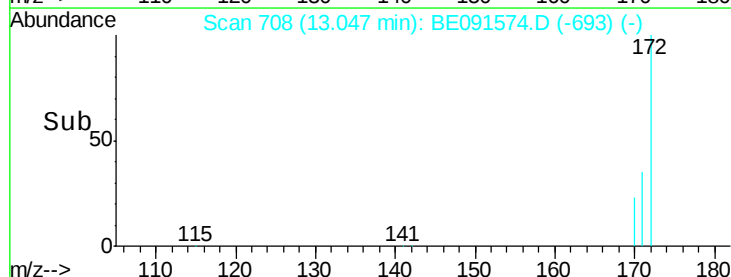
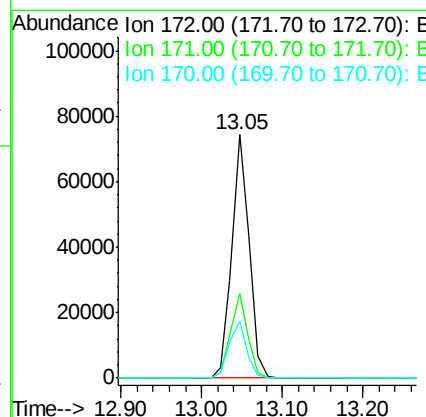
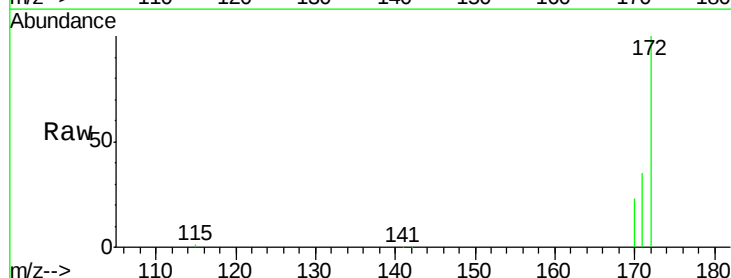
Manual Integrations
 APPROVED

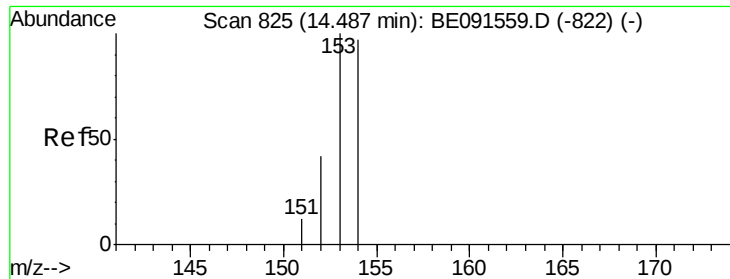
Sohil
 3/31/2016 4:56:38 PM



#12
 2-Fluorobiphenyl
 Concen: 3.53 ng
 RT: 13.05 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: BE091574.D
 Acq: 31 Mar 2016 3:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	110491		
171	34.7	29.8	44.8	
170	23.2	21.4	32.2	





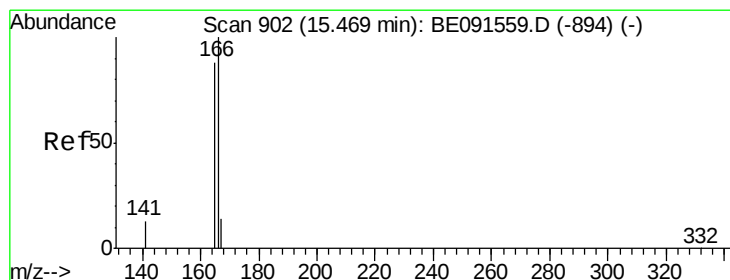
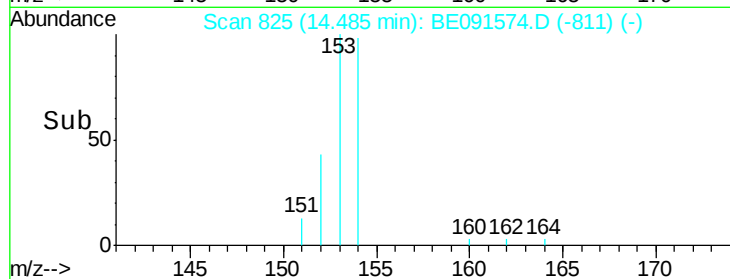
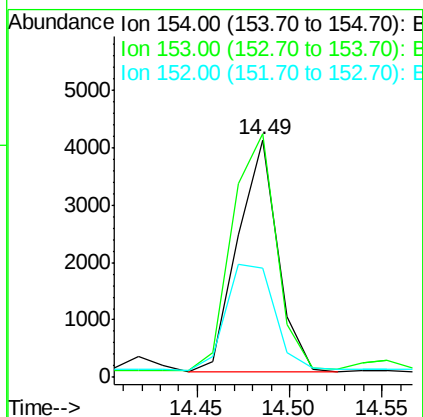
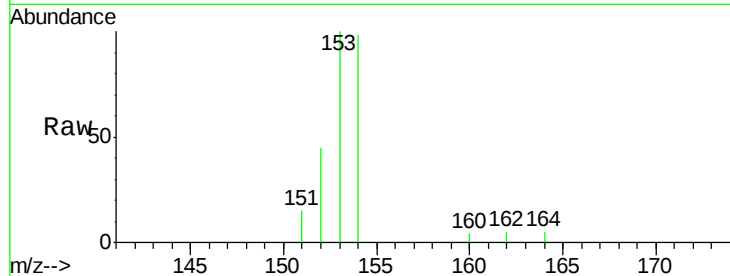
#14
Acenaphthene
Concen: 0.23 ng m
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091574.D
Acq: 31 Mar 2016 3:32

Instrument :
BNA_E
ClientSampleId :
MW-3

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.0	87.3	130.9
152	56.2	42.9	64.3

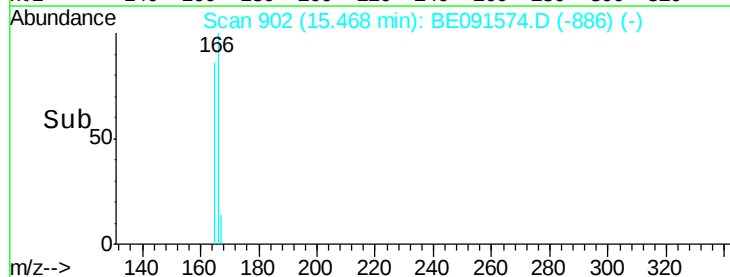
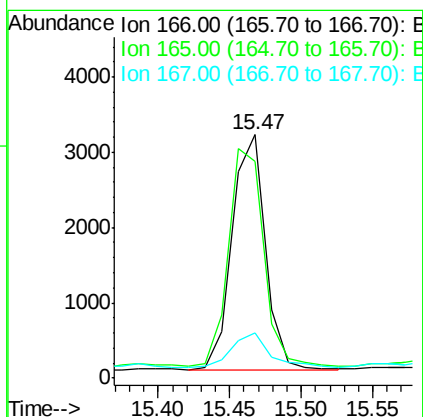
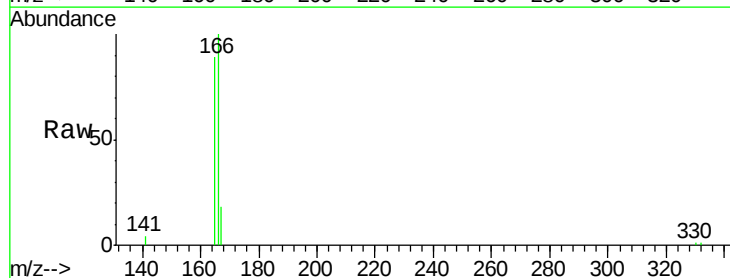
Manual Integrations
APPROVED

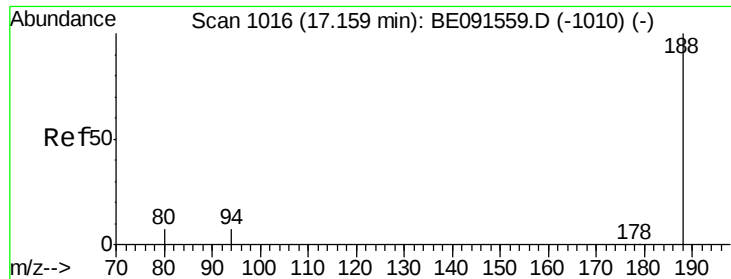
Sohil
3/31/2016 4:56:38 PM



#15
Fluorene
Concen: 0.14 ng
RT: 15.47 min Scan# 902
Delta R.T. -0.01 min
Lab File: BE091574.D
Acq: 31 Mar 2016 3:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.2	118.8
167	16.8	10.8	16.2#





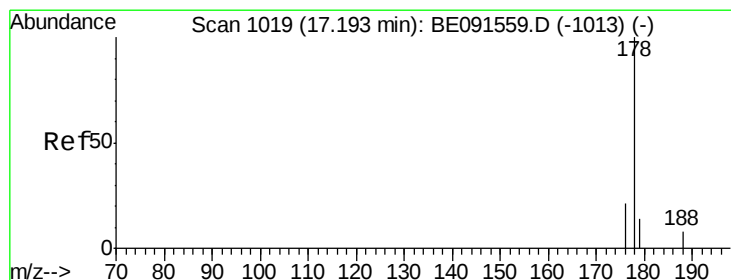
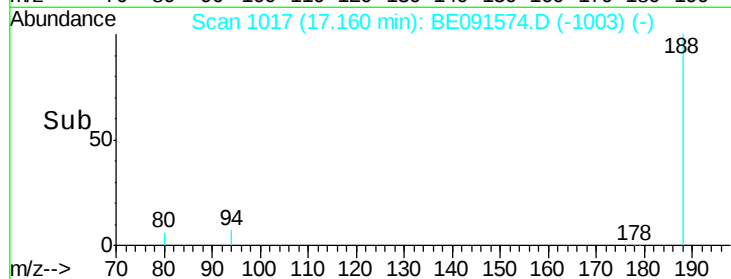
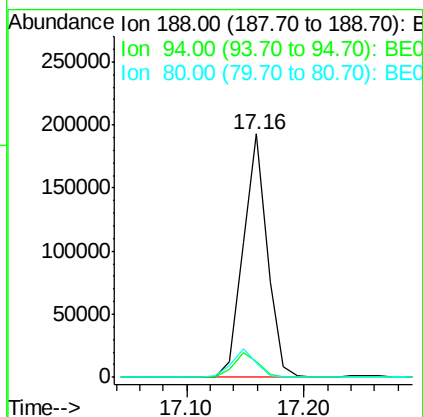
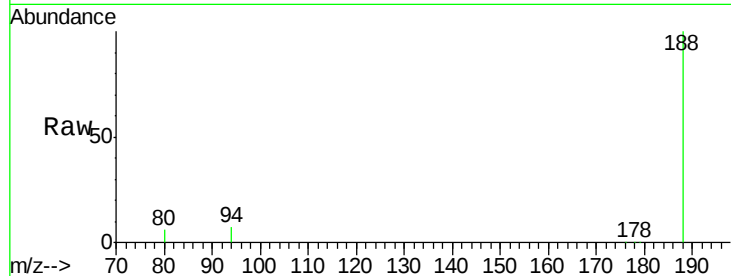
#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091574.D
Acq: 31 Mar 2016 3:32

Instrument :
BNA_E
ClientSampleId :
MW-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.6	5.4	8.2
80	5.9	5.0	7.4

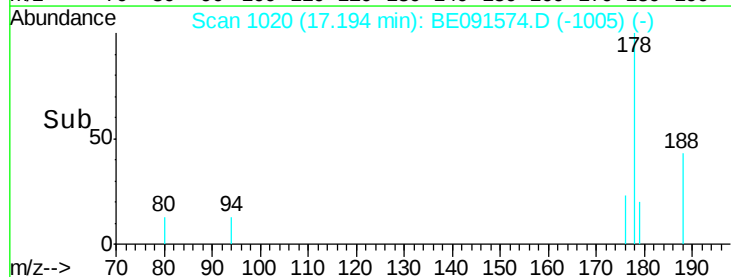
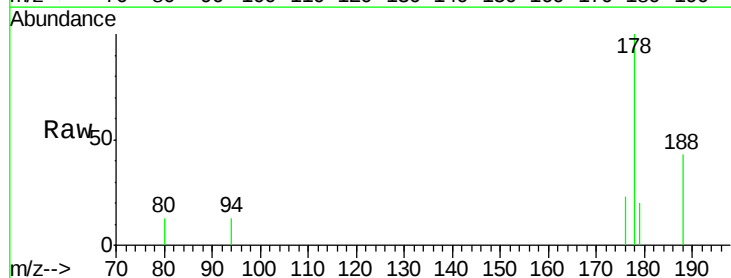
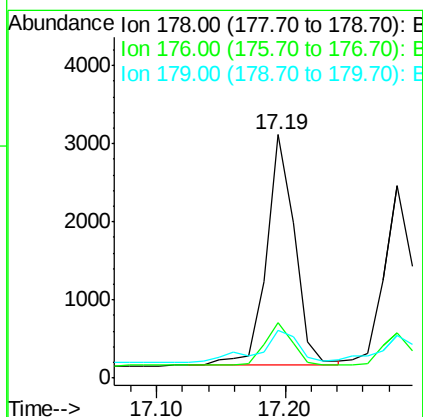
Manual Integrations
APPROVED

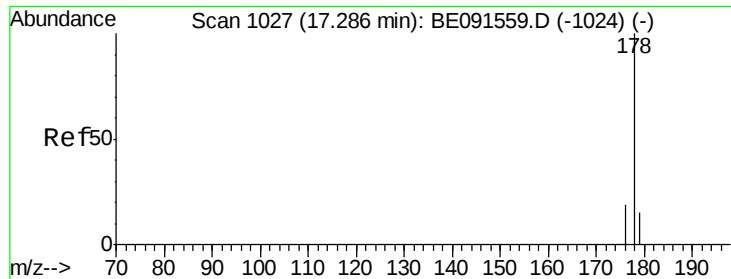
Sohil
3/31/2016 4:56:38 PM



#19
Phenanthrene
Concen: 0.07 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091574.D
Acq: 31 Mar 2016 3:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.2	15.5	23.3
179	19.6	13.1	19.7





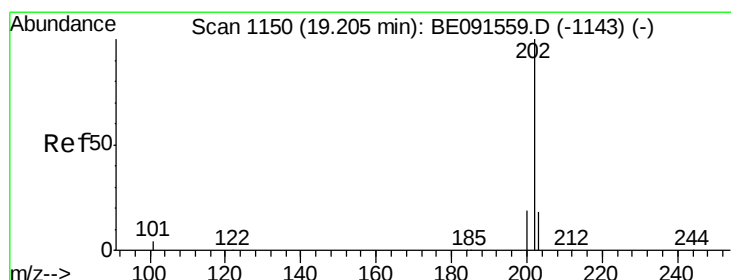
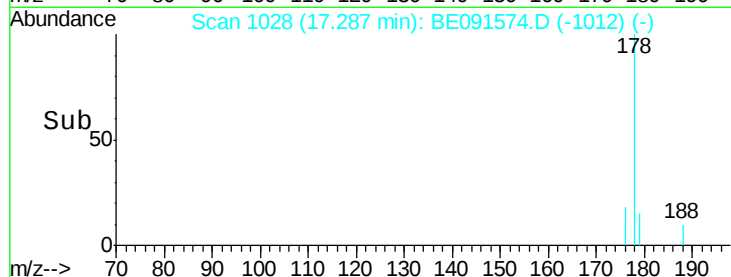
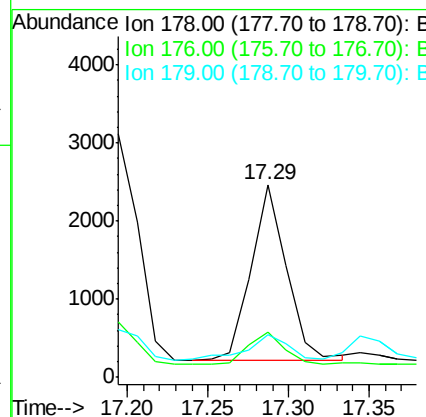
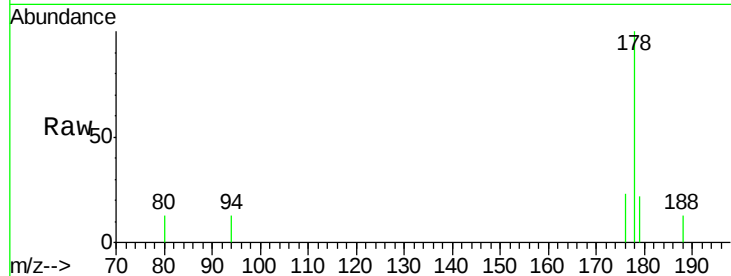
#20
 Anthracene
 Concen: 0.06 ng
 RT: 17.29 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: BE091574.D
 Acq: 31 Mar 2016 3:32

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Tgt Ion:178 Resp: 3484
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 17.9 12.2 18.4

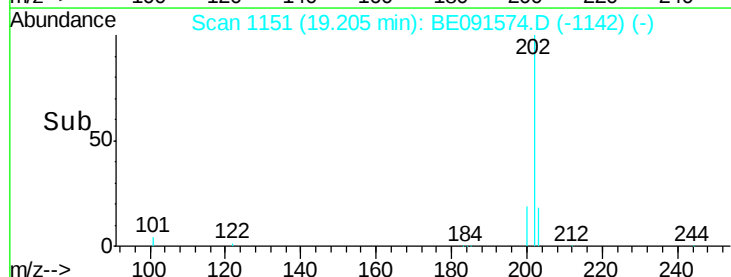
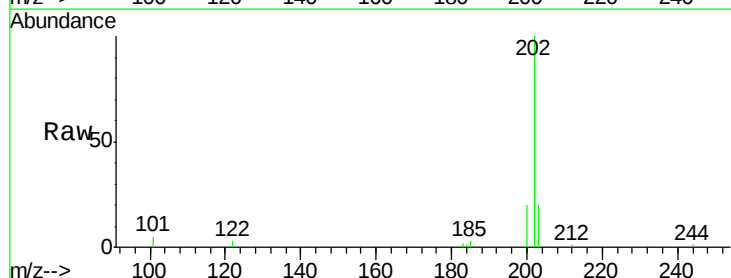
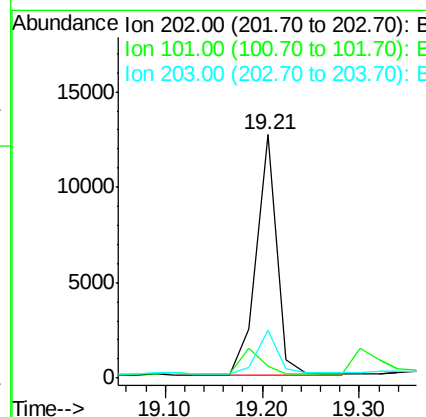
Manual Integrations
 APPROVED

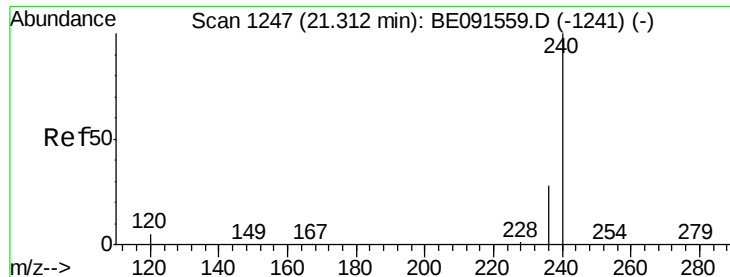
Sohil
 3/31/2016 4:56:38 PM



#21
 Fluoranthene
 Concen: 0.24 ng
 RT: 19.21 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: BE091574.D
 Acq: 31 Mar 2016 3:32

Tgt Ion:202 Resp: 18359
 Ion Ratio Lower Upper
 202 100
 101 12.1 8.3 12.5
 203 18.6 13.9 20.9





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BE091574.D

Acq: 31 Mar 2016 3:32

Instrument :

BNA_E

ClientSampleId :

MW-3

Tgt Ion:240 Resp: 402385
Ion Ratio Lower Upper

240 100

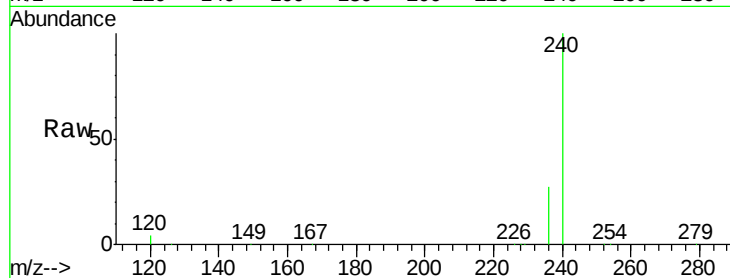
120 3.7 4.0 6.0#

236 27.2 23.0 34.4

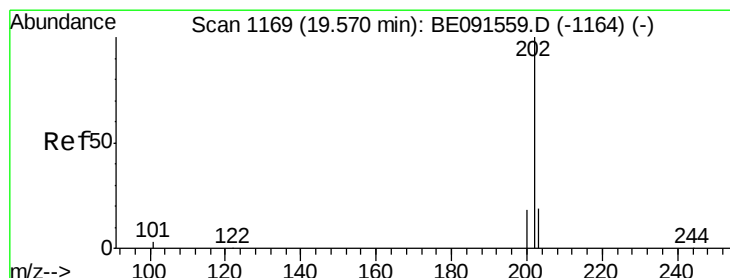
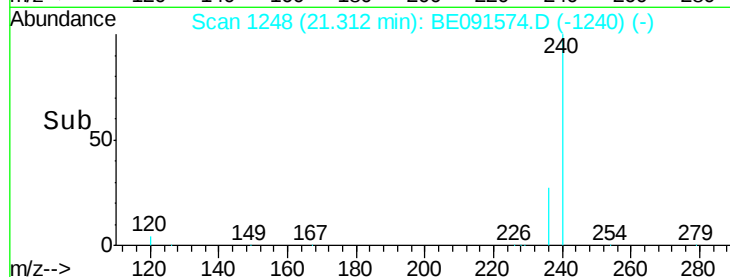
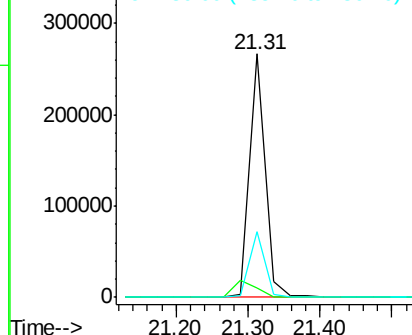
Manual Integrations
APPROVED

Sohil

3/31/2016 4:56:38 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#23

Pyrene

Concen: 0.16 ng

RT: 19.57 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE091574.D

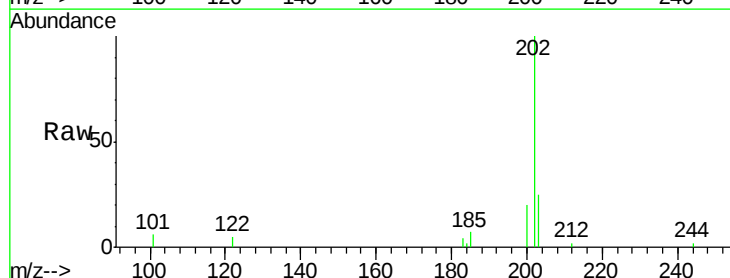
Acq: 31 Mar 2016 3:32

Tgt Ion:202 Resp: 12916
Ion Ratio Lower Upper

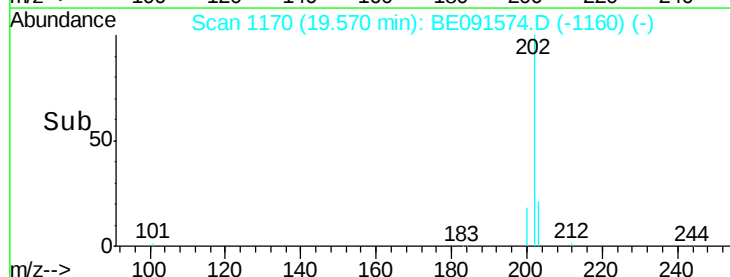
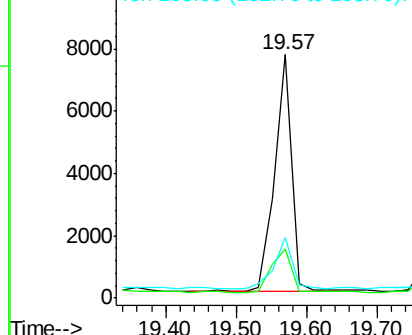
202 100

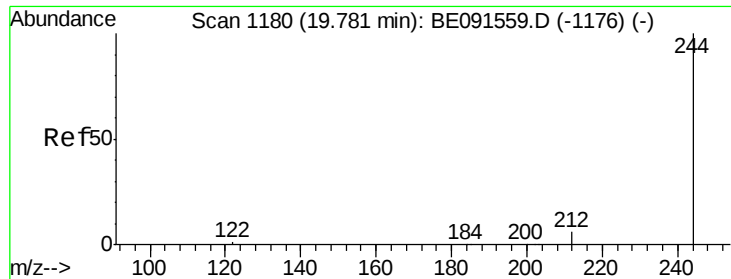
200 21.4 16.4 24.6

203 23.3 14.6 21.8#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





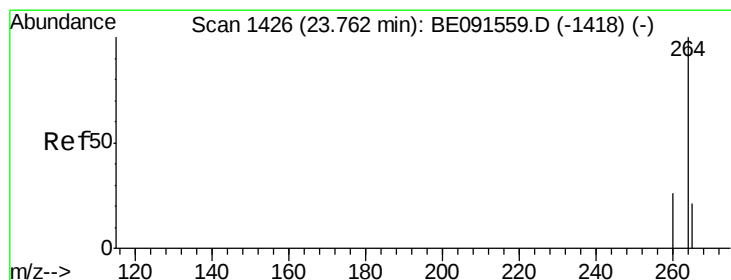
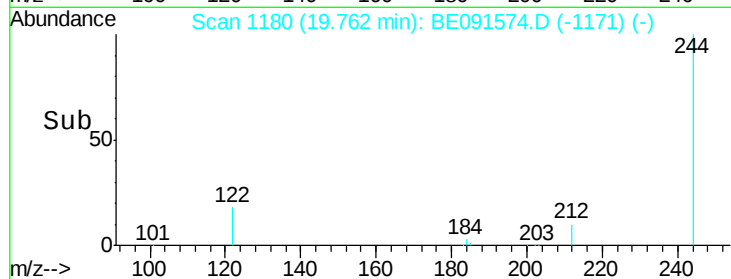
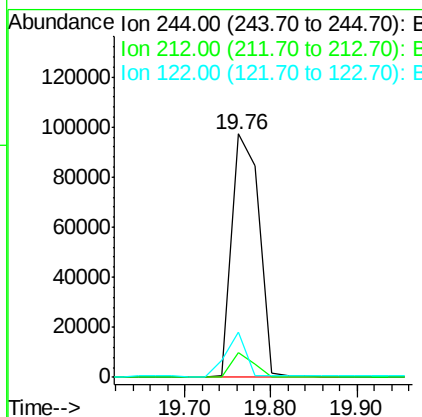
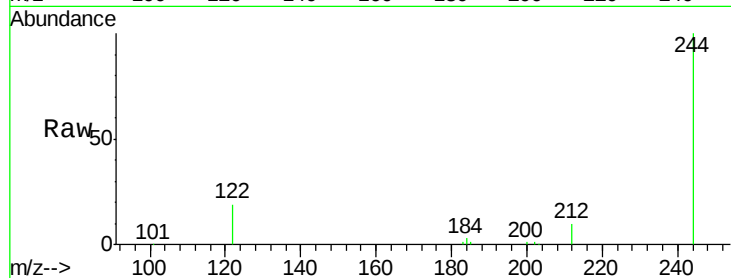
#24
 Terphenyl-d14
 Concen: 4.17 ng
 RT: 19.76 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BE091574.D
 Acq: 31 Mar 2016 3:32

Instrument :
 BNA_E
 ClientSampleId :
 MW-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.1	5.8	8.8#
122	18.8	1.8	2.8#

Manual Integrations
 APPROVED

Sohil
 3/31/2016 4:56:38 PM



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.76 min Scan# 1427
 Delta R.T. -0.03 min
 Lab File: BE091574.D
 Acq: 31 Mar 2016 3:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.3	20.1	30.1
265	21.8	18.3	27.5

