

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
 Data File : BE095690.D
 Acq On : 26 Feb 2018 15:55
 Operator : SJ/JU
 Sample : J1642-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-9

Manual Integrations
 APPROVED

Sohil
 2/27/2018 11:50:24 AM

Quant Time: Feb 26 18:01:08 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1463	0.40	ng	-0.01
7) Naphthalene-d8	11.27	136	5764	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3439	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7741	0.40	ng	0.01
27) Chrysene-d12	21.79	240	7681	0.40	ng	0.00
34) Perylene-d12	24.43	264	7141	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	351	0.09	ng	0.00
5) Phenol-d6	7.55	99	273	0.05	ng	0.00
8) Nitrobenzene-d5	9.61	82	1071	0.18	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	1526	0.16	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	280	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	2620	0.17	ng	0.00
25) Fluoranthene-d10	19.68	212	15396	0.15	ng	0.00
29) Terphenyl-d14	20.25	244	2798	0.18	ng	0.00
Target Compounds						
9) Naphthalene	11.31	128	248325	3.737	ng	99
12) 2-Methylnaphthalene	12.88	142	23293	2.032	ng	99
16) Acenaphthylene	14.73	152	7661	0.397	ng	# 74
17) Acenaphthene	15.06	154	412461	33.999	ng	94
18) Fluorene	16.02	166	293467	19.506	ng	# 79
22) Pentachlorophenol	17.37	266	202	0.288	ng	85
23) Phenanthrene	17.74	178	86649	3.581	ng	98
24) Anthracene	17.83	178	57947	2.608	ng	# 93
26) Fluoranthene	19.71	202	82482	2.770	ng	99
28) Pylene	20.06	202	56083	1.785	ng	96
30) Benzo(a)anthracene	21.78	228	2243	0.090	ng	# 85
31) Chrysene	21.84	228	1439m	0.058	ng	
32) Bis(2-ethylhexyl)phthalate	21.65	149	5503	0.124	ng	# 90

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

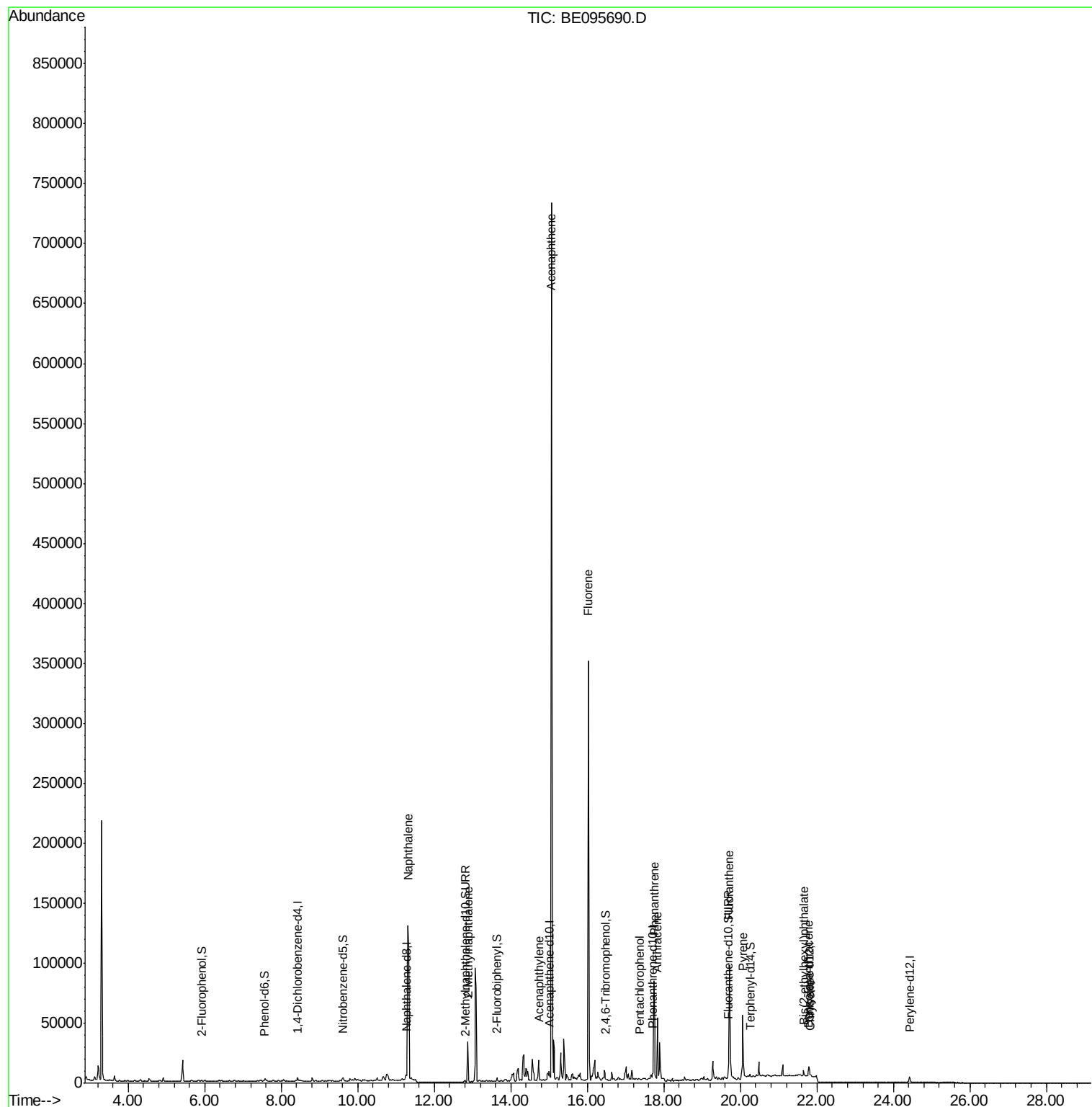
Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
Data File : BE095690.D
Acq On : 26 Feb 2018 15:55
Operator : SJ/JU
Sample : J1642-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

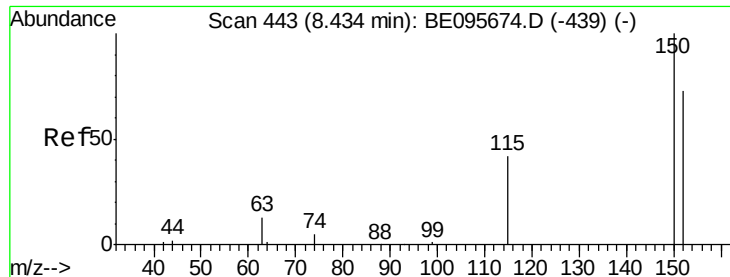
Instrument :
BNA_E
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Sohil
2/27/2018 11:50:24 AM

Quant Time: Feb 26 18:01:08 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration





#1

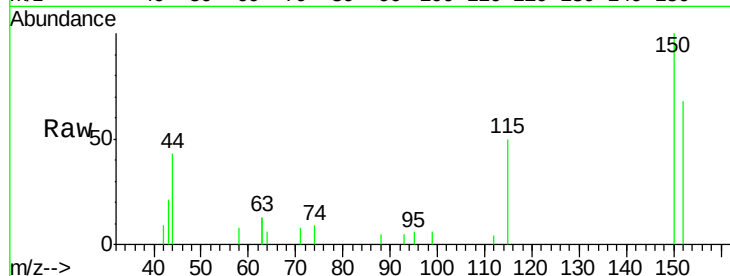
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Instrument :
BNA_E
ClientSampleId :
MW-9

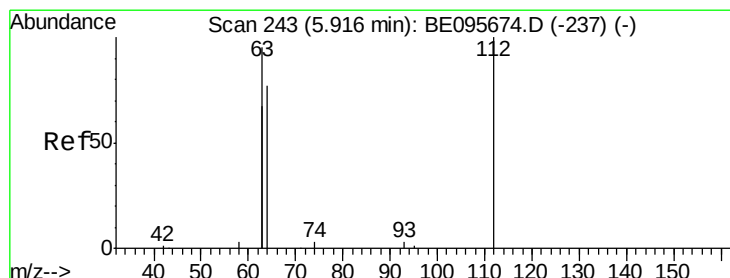
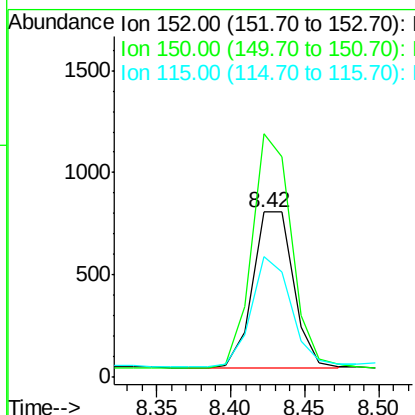
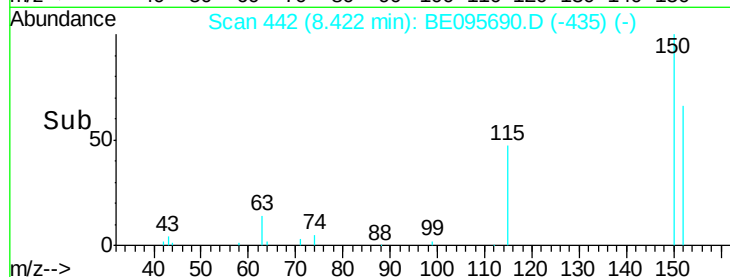
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.3	117.2	175.8
115	73.1	57.0	85.6

Manual Integrations
APPROVED

Sohil
2/27/2018 11:50:24 AM



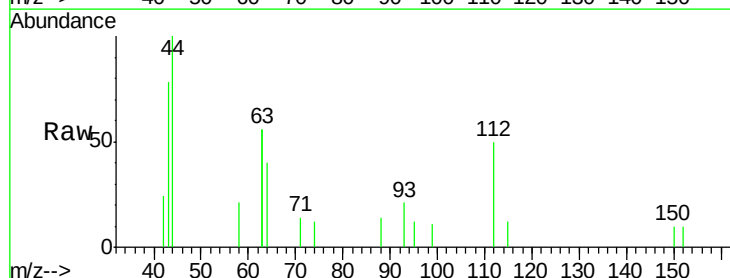
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



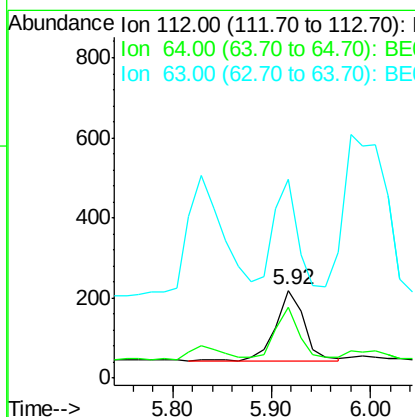
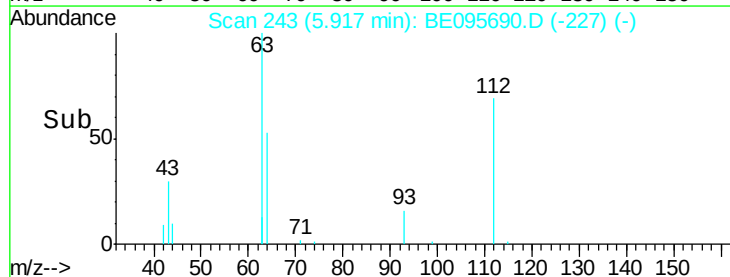
#4

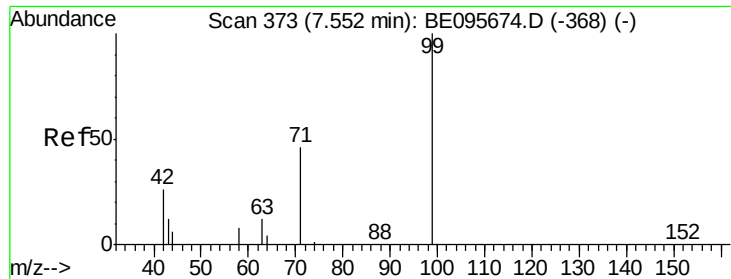
2-Fluorophenol
Concen: 0.091 ng
RT: 5.92 min Scan# 243
Delta R.T. 0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	60.1	90.1
63	150.7	116.8	175.2



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: 0.051 ng

RT: 7.55 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

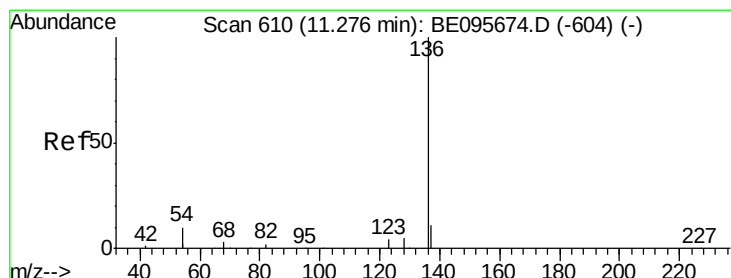
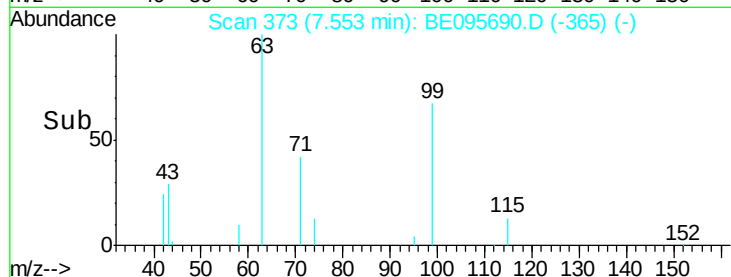
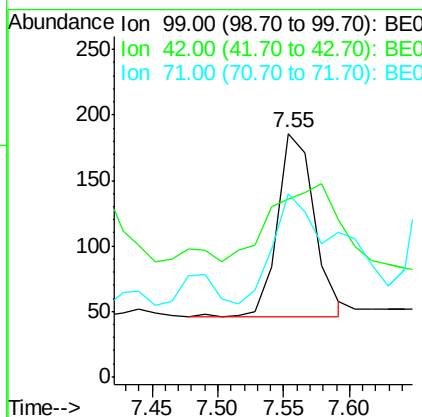
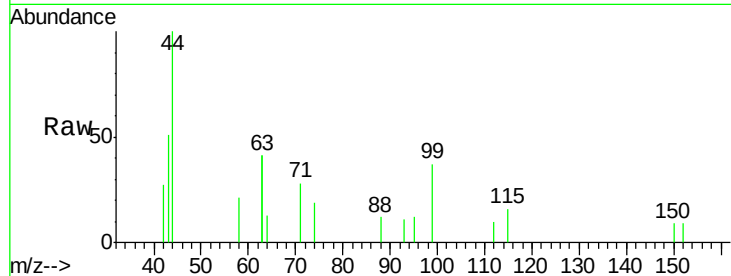
ClientSampled :

MW-9

Tot Ion:	99	Resp:	273
Ion	Ratio	Lower	Upper
99	100		
42	0.0	20.2	30.2#
71	69.6	28.4	42.6#

Manual Integrations
APPROVED

Sohil
2/27/2018 11:50:24 AM



#7

Naphthalene-d8

Concen: 0.400 ng

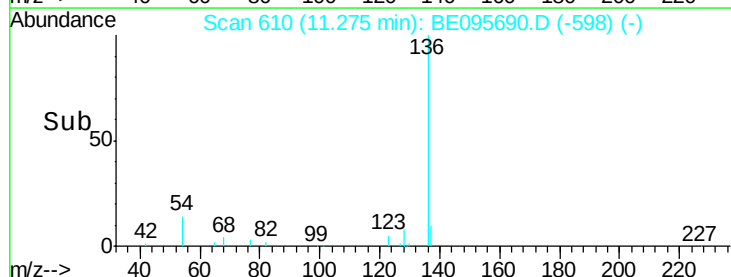
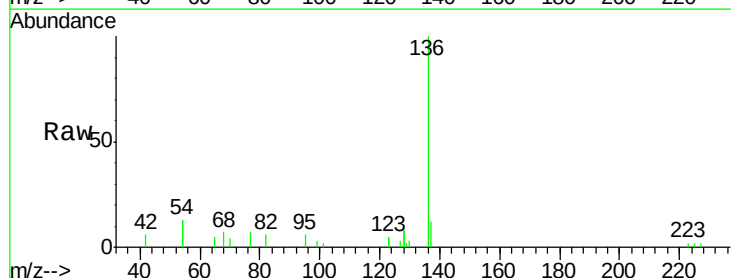
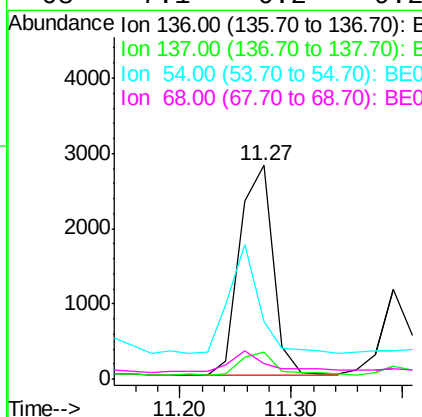
RT: 11.27 min Scan# 610

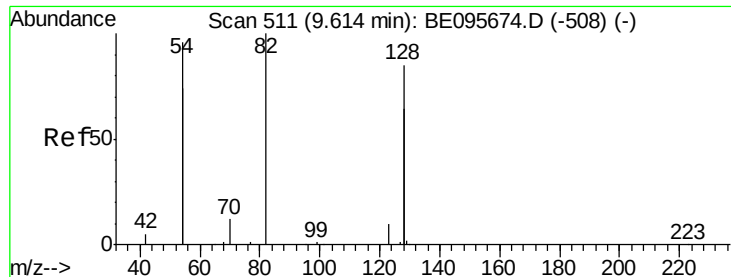
Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Tgt Ion:	136	Resp:	5764
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	26.9	29.1	43.7#
68	7.1	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.180 ng

RT: 9.61 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

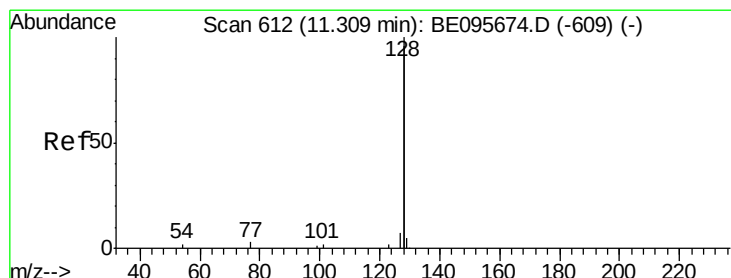
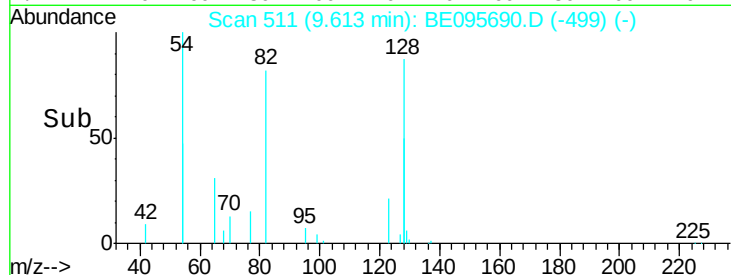
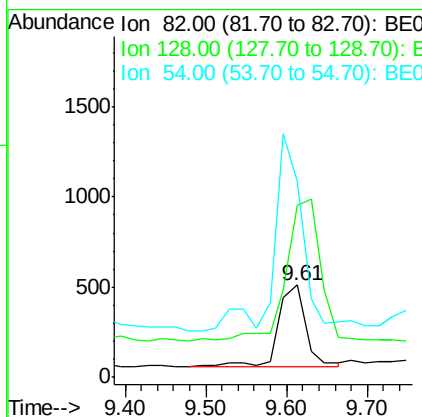
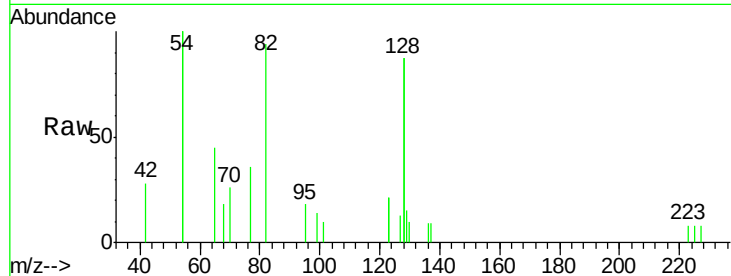
ClientSampled :

MW-9

Tot Ion:	82	Resp:	1071
Ion	Ratio	Lower	Upper
82	100		
128	186.7	150.0	225.0
54	213.7	154.2	231.4

Manual Integrations
APPROVED

Sohil
2/27/2018 11:50:24 AM



#9

Naphthalene

Concen: 3.737 ng

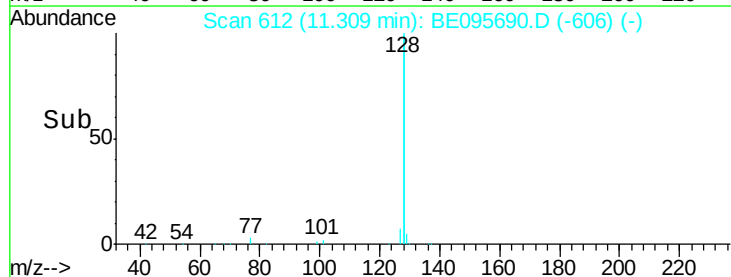
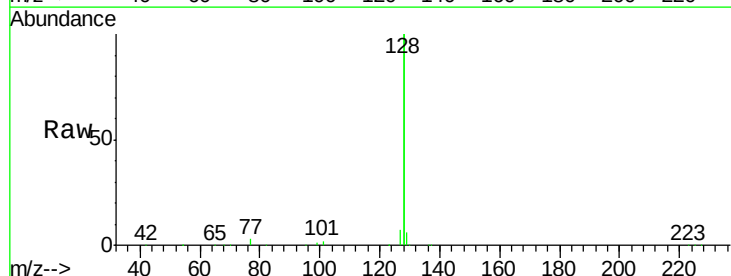
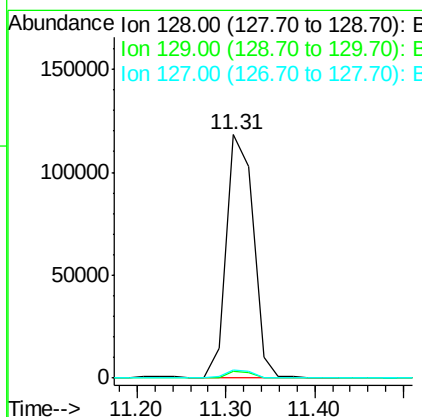
RT: 11.31 min Scan# 612

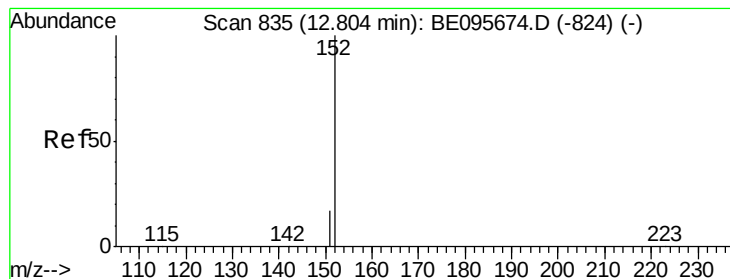
Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Tgt Ion:	128	Resp:	248325
Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.6	3.8
127	3.6	2.8	4.2





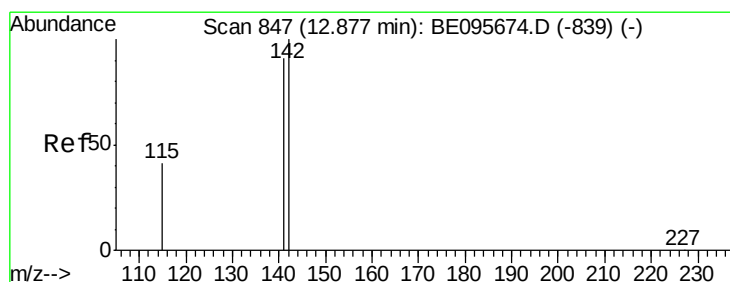
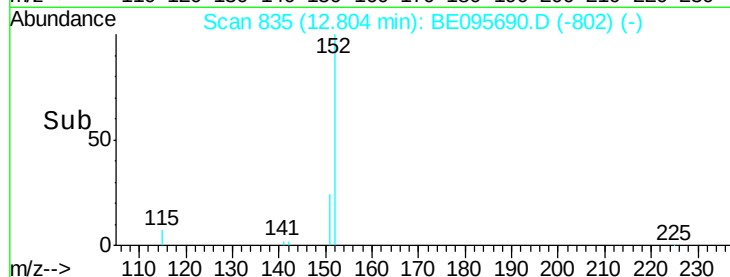
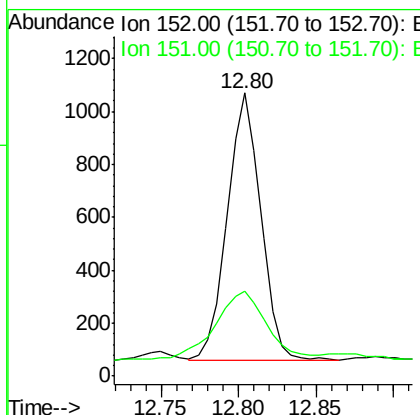
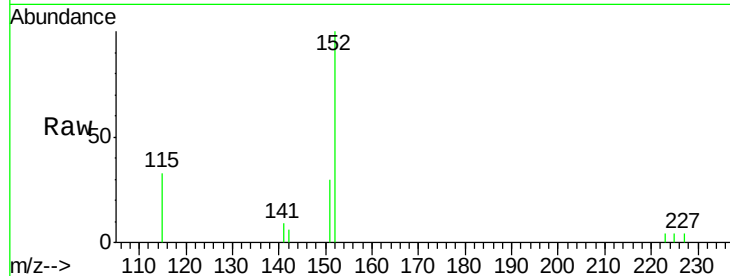
#11
2-Methylnaphthalene-d10
Concen: 0.158 ng
RT: 12.80 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Instrument :
BNA_E
ClientSampleId :
MW-9

Tot Ion	Ratio	Lower	Upper
152	100		
151	38.5	15.4	23.0#

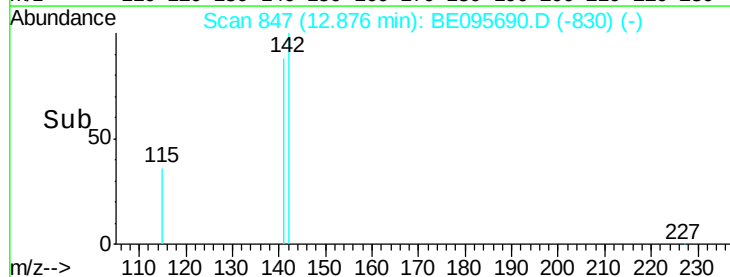
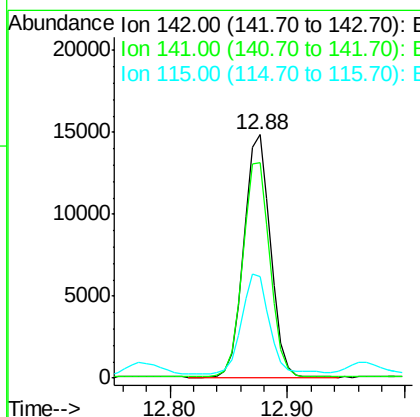
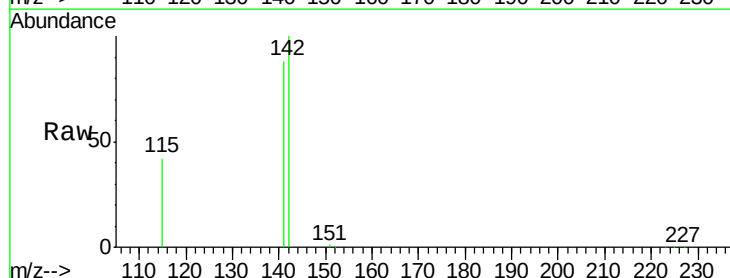
Manual Integrations
APPROVED

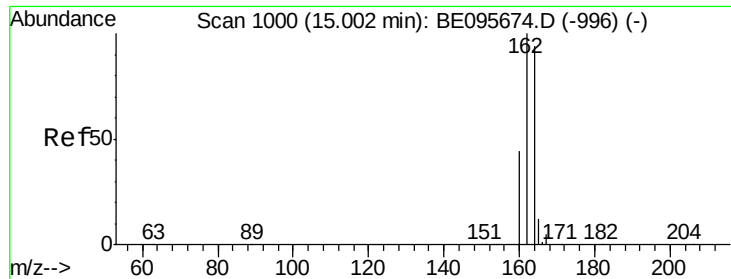
Sohil
2/27/2018 11:50:24 AM



#12
2-Methylnaphthalene
Concen: 2.032 ng
RT: 12.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.4	105.6
115	41.8	31.7	47.5





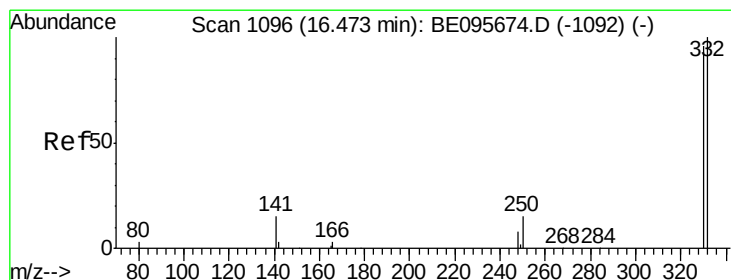
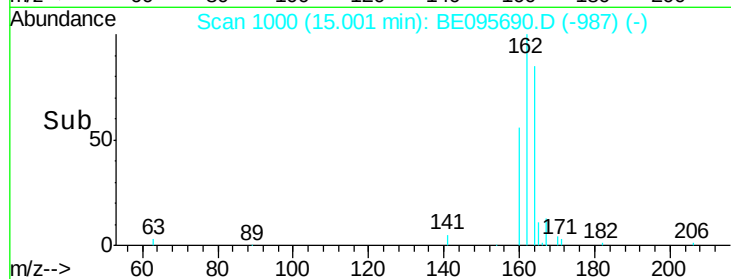
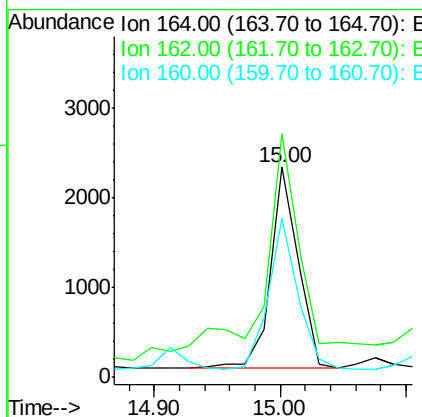
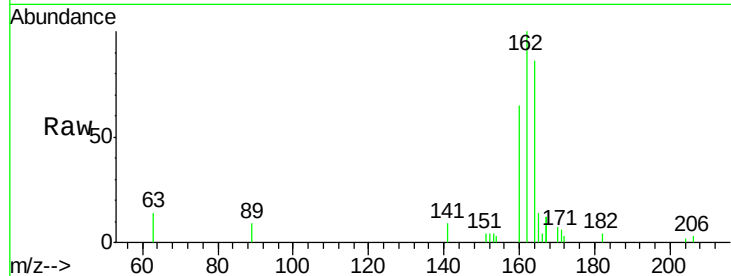
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 15.00 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Instrument :
 BNA_E
 ClientSampleId :
 MW-9

Tot Ion	Ratio	Lower	Upper
164	100		
162	115.9	83.1	124.7
160	75.8	37.1	55.7

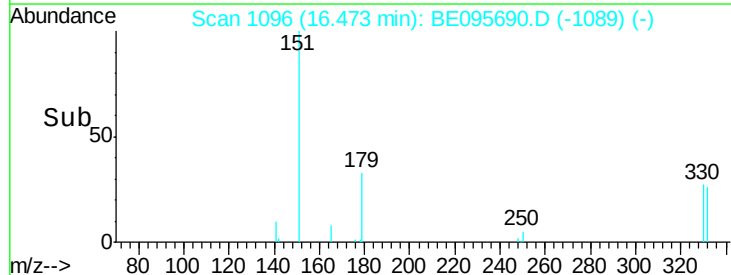
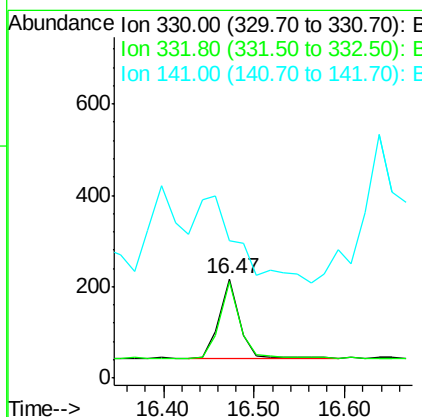
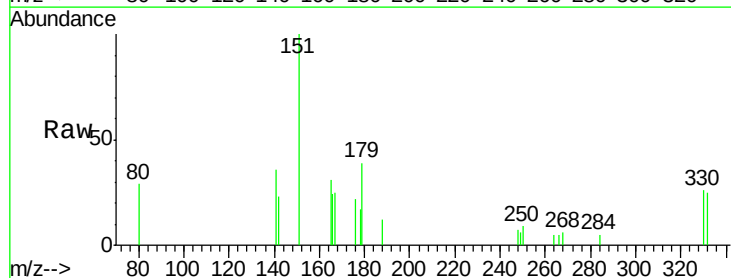
Manual Integrations
 APPROVED

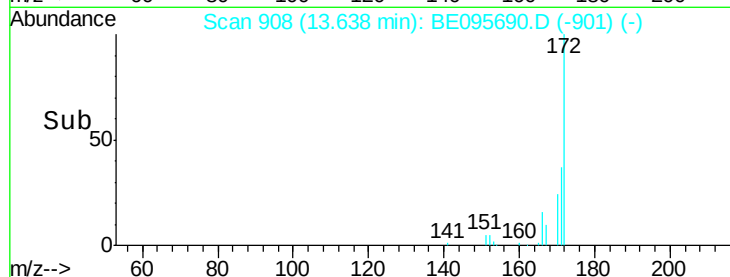
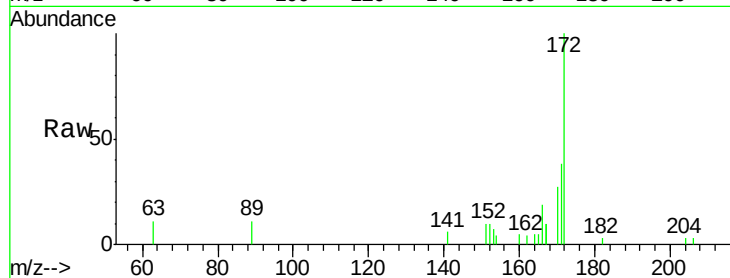
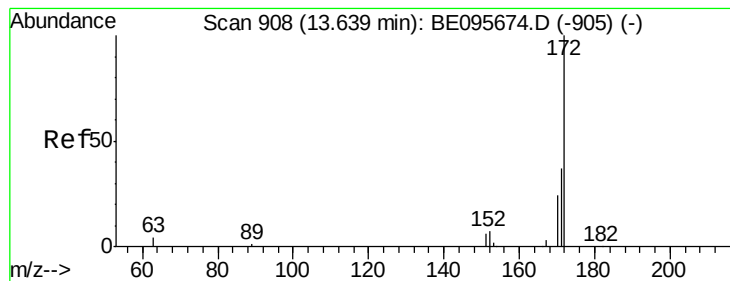
Sohil
 2/27/2018 11:50:24 AM



#14
 2,4,6-Tribromophenol
 Concen: 0.286 ng
 RT: 16.47 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	152.7	229.1
141	204.6	33.7	50.5





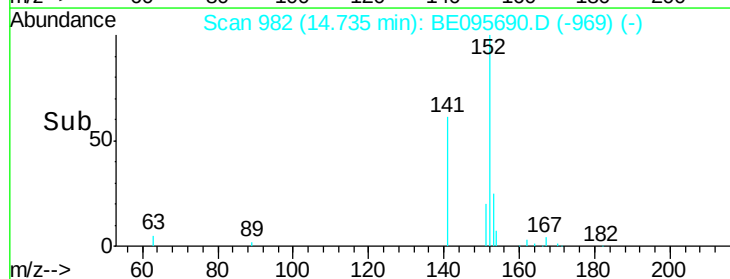
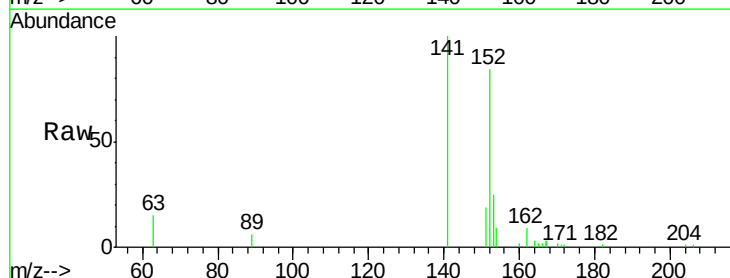
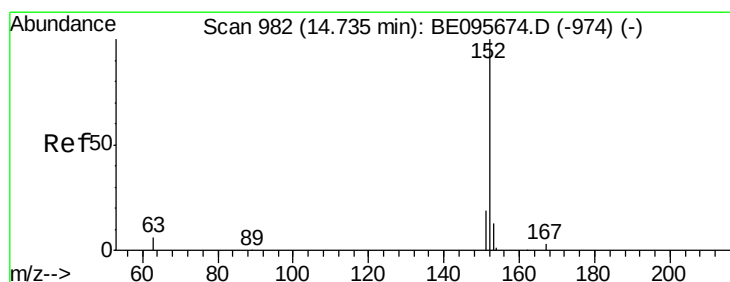
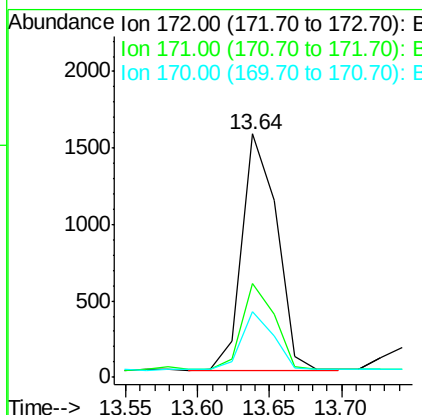
#15
2-Fluorobiphenyl
Concen: 0.171 ng
RT: 13.64 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.9	44.9
170	26.9	21.8	32.8

Instrument :
BNA_E
ClientSampleId :
MW-9

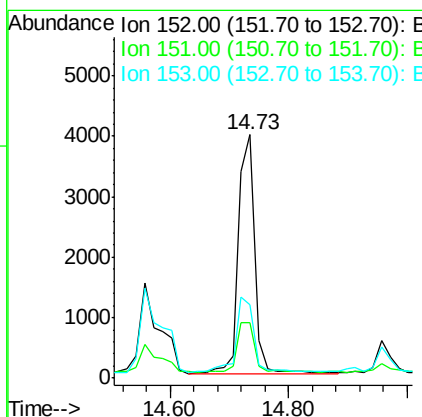
Manual Integrations
APPROVED

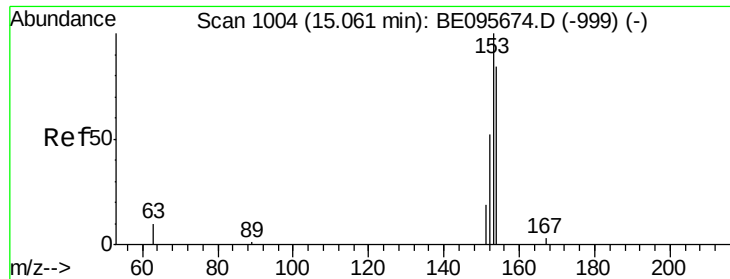
Sohil
2/27/2018 11:50:24 AM



#16
Acenaphthylene
Concen: 0.397 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.6	15.7	23.5#
153	34.0	10.5	15.7#





#17

Acenaphthene

Concen: 33.999 ng

RT: 15.06 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

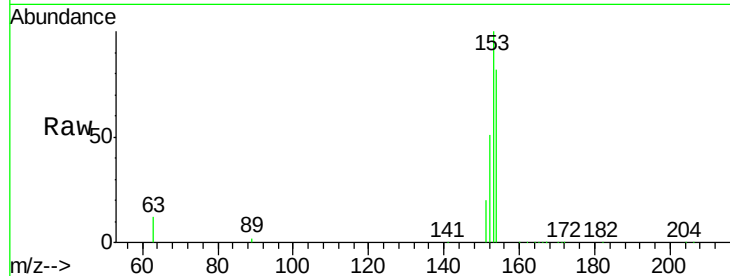
ClientSampled :

MW-9

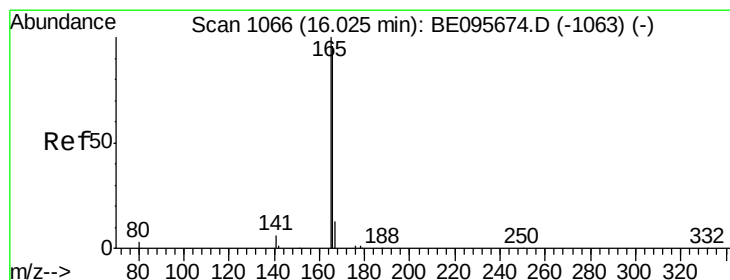
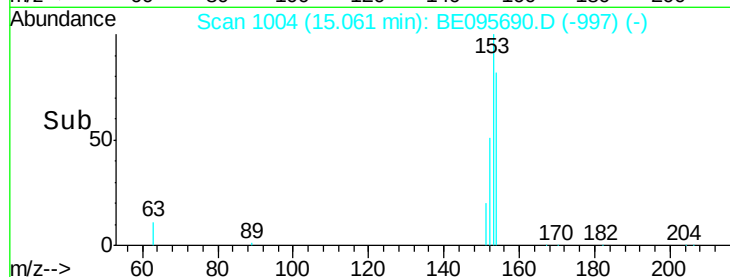
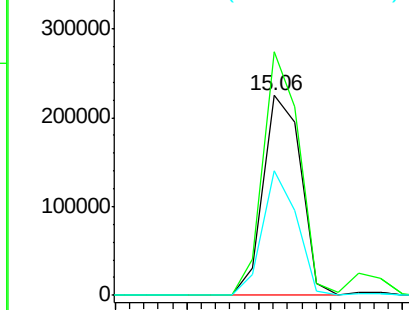
Tot Ion:	154	Resp:	412461
Ion Ratio	Lower	Upper	
154	100		
153	117.1	89.2	133.8
152	57.2	42.0	63.0

Manual Integrations
APPROVED

Sohil
2/27/2018 11:50:24 AM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 19.506 ng

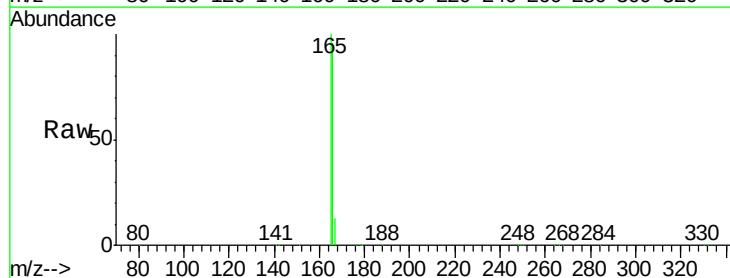
RT: 16.02 min Scan# 1066

Delta R.T. -0.00 min

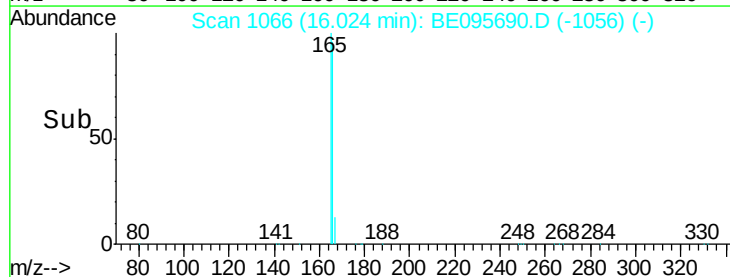
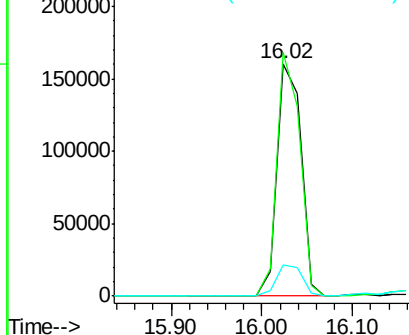
Lab File: BE095690.D

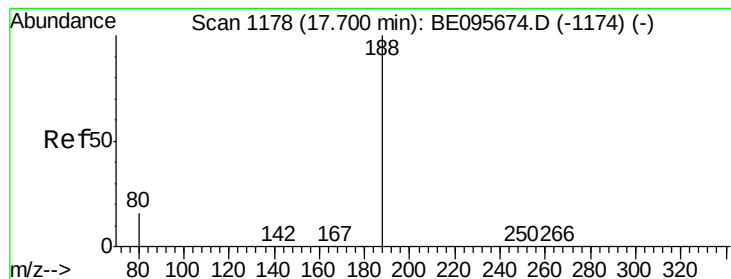
Acq: 26 Feb 2018 15:55

Tgt Ion:	166	Resp:	293467
Ion Ratio	Lower	Upper	
166	100		
165	99.5	77.8	116.6
167	14.4	42.4	63.6#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

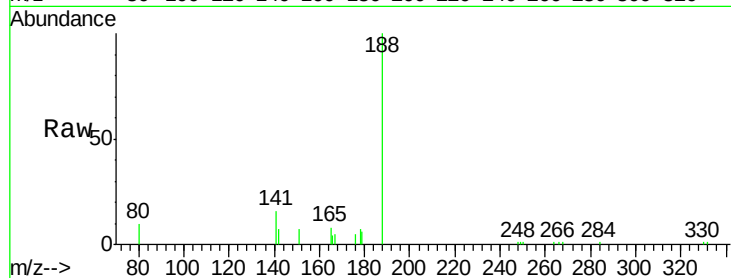
ClientSampled :

MW-9

Tot Ion:	188	Resp:	7741
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	9.8	3.6	5.4#

Manual Integrations
APPROVED

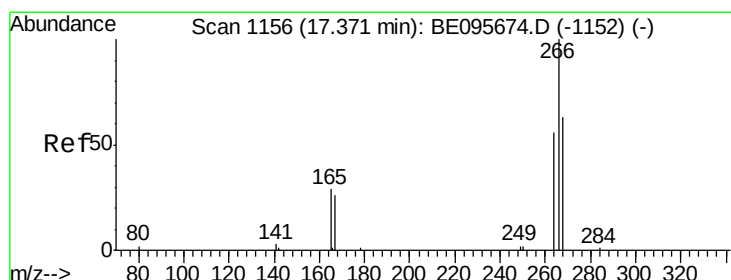
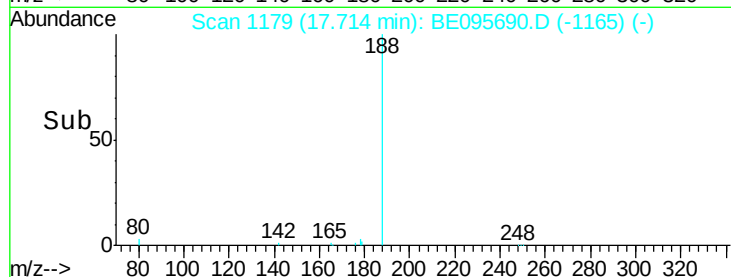
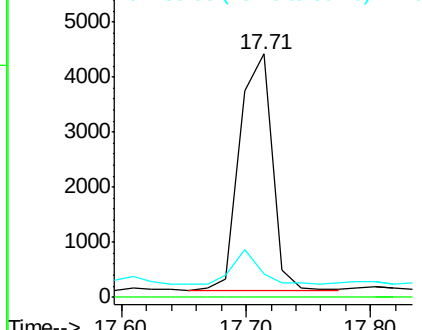
Sohil
2/27/2018 11:50:24 AM



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



#22

Pentachlorophenol

Concen: 0.288 ng

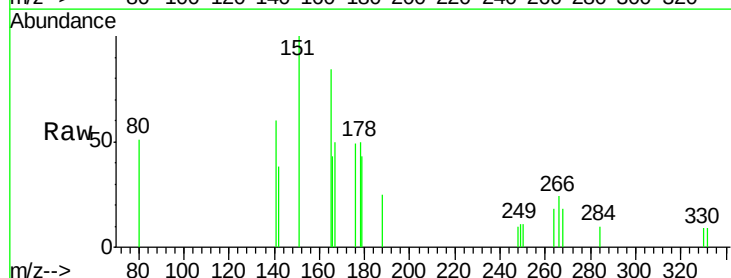
RT: 17.37 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

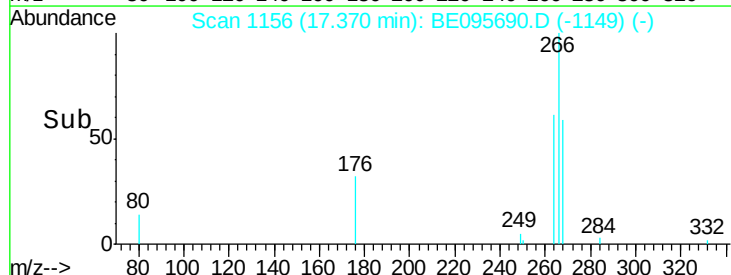
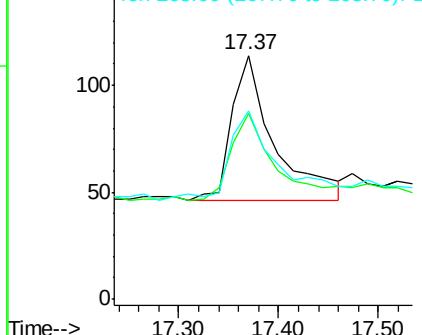
Tgt Ion:	266	Resp:	202
Ion Ratio	Lower	Upper	
266	100		
264	76.3	72.5	108.7
268	77.2	73.8	110.6

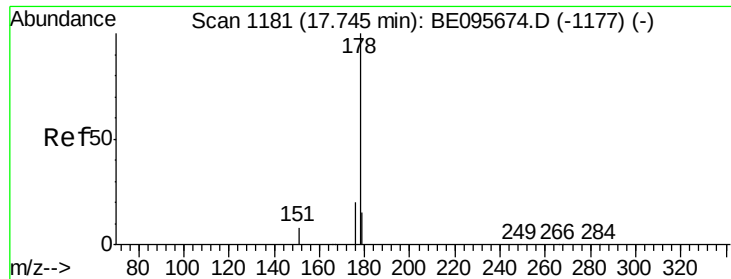


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





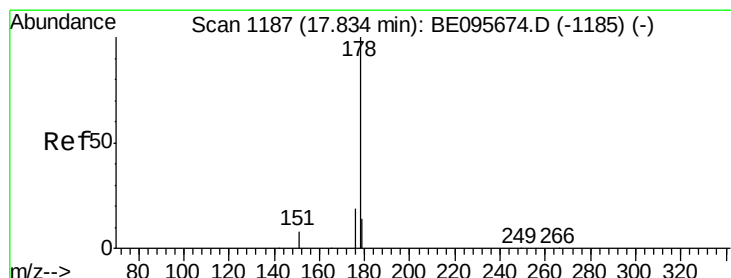
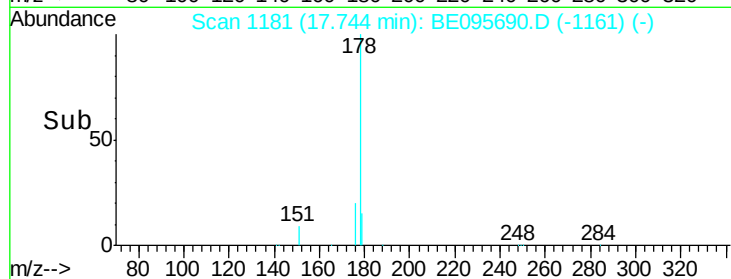
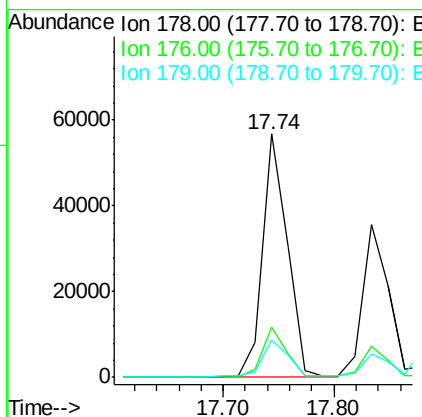
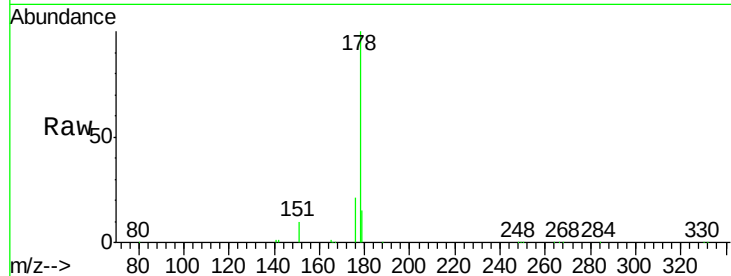
#23
Phenanthrene
Concen: 3.581 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Instrument :
BNA_E
ClientSampled :
MW-9

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	16.0	11.8	17.6

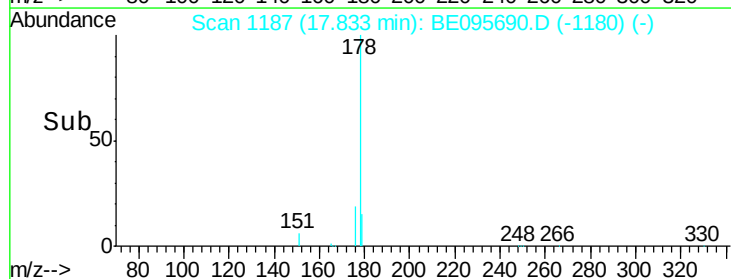
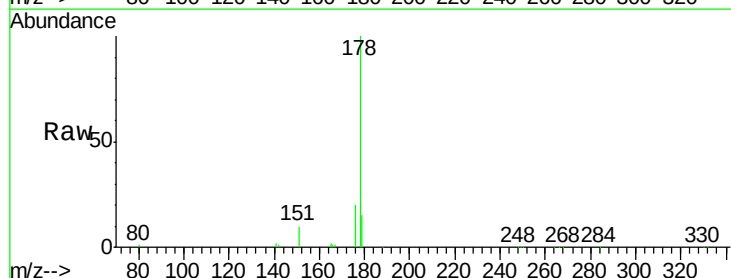
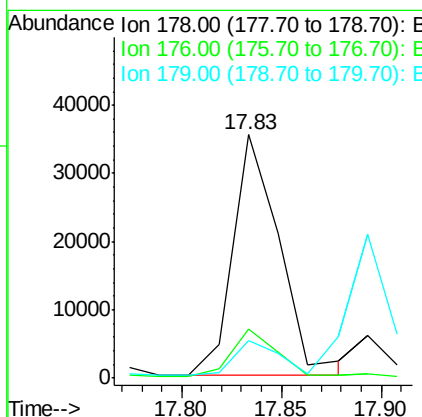
Manual Integrations
APPROVED

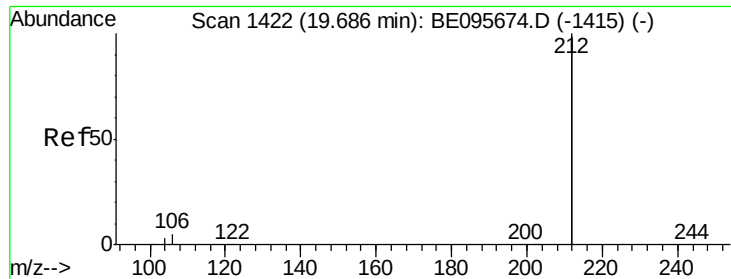
Sohil
2/27/2018 11:50:24 AM



#24
Anthracene
Concen: 2.608 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	12.8	19.2#
179	14.0	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.152 ng

RT: 19.68 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

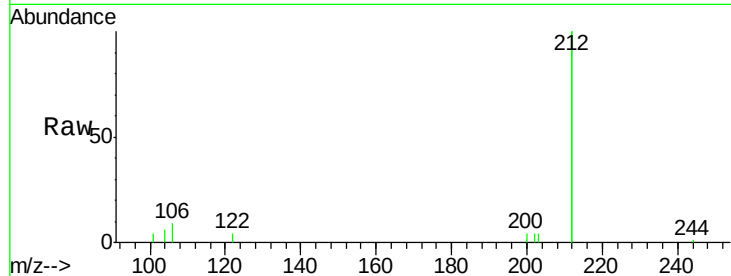
ClientSampled :

MW-9

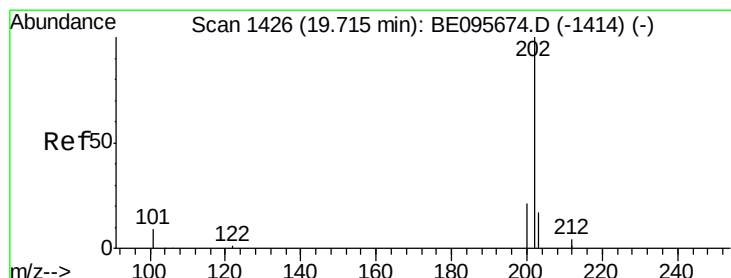
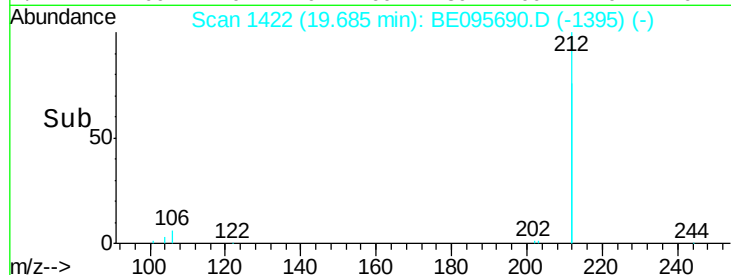
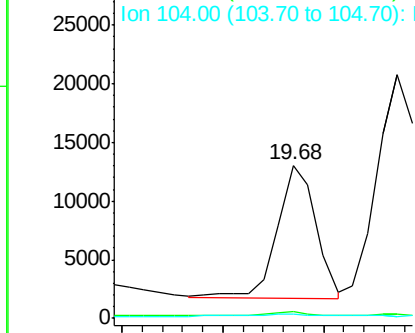
Tot Ion:	212	Resp:	15396
Ion Ratio	Lower	Upper	
212	100		
106	3.8	2.8	4.2
104	2.8	1.6	2.4

Manual Integrations
APPROVED

Sohil
2/27/2018 11:50:24 AM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.770 ng

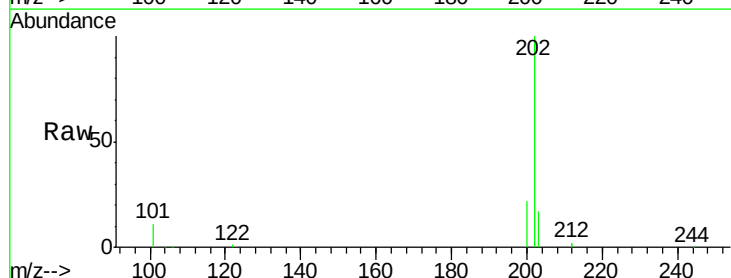
RT: 19.71 min Scan# 1426

Delta R.T. -0.00 min

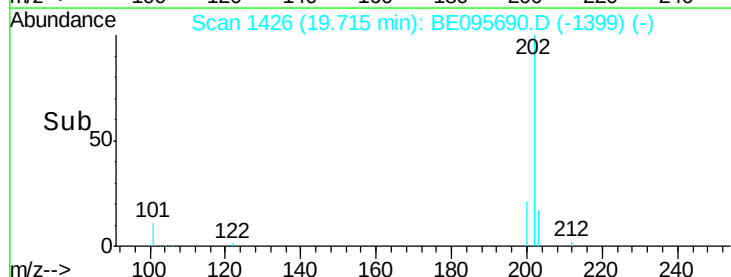
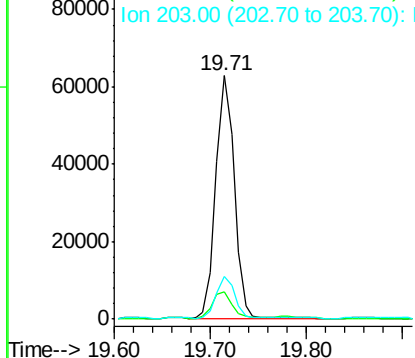
Lab File: BE095690.D

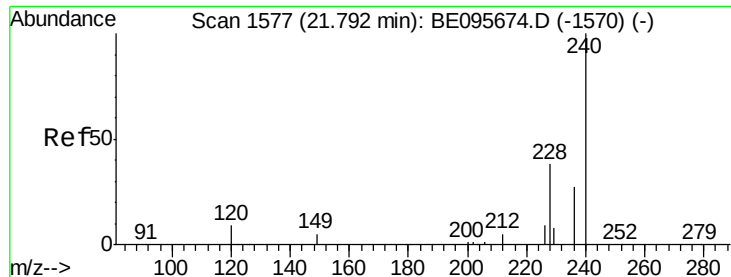
Acq: 26 Feb 2018 15:55

Tgt Ion:	202	Resp:	82482
Ion Ratio	Lower	Upper	
202	100		
101	11.5	9.8	14.8
203	17.1	13.7	20.5



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





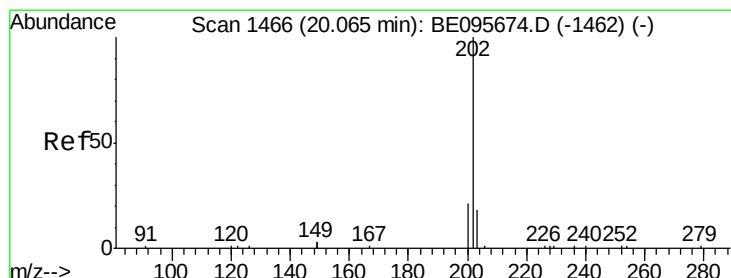
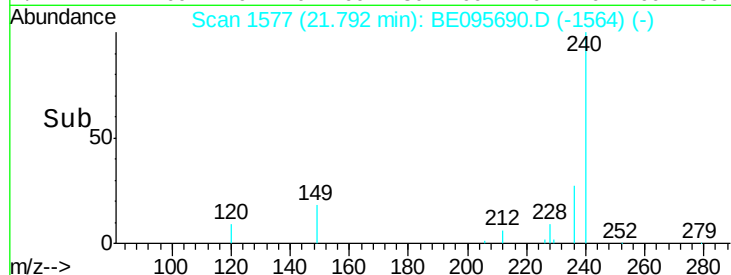
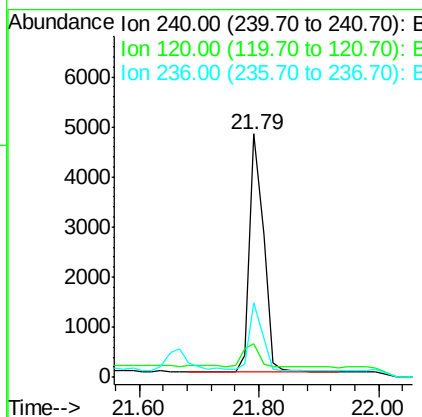
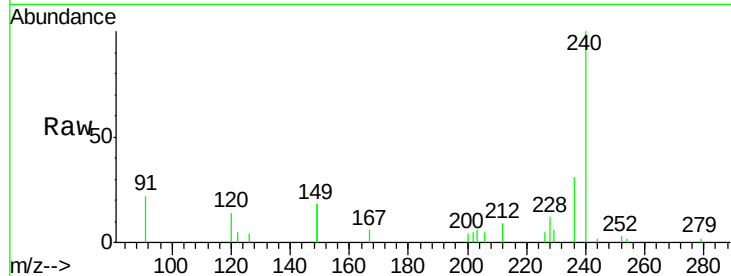
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Instrument :
BNA_E
ClientSampled :
MW-9

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.5	8.3#
236	30.5	20.7	31.1

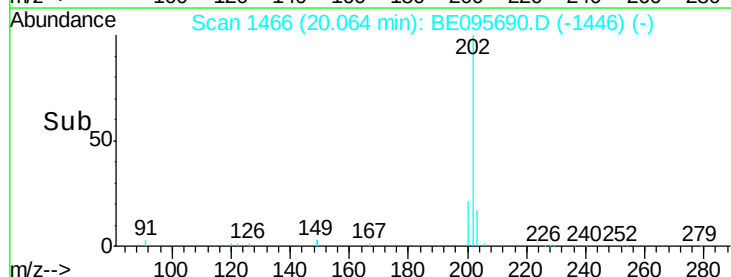
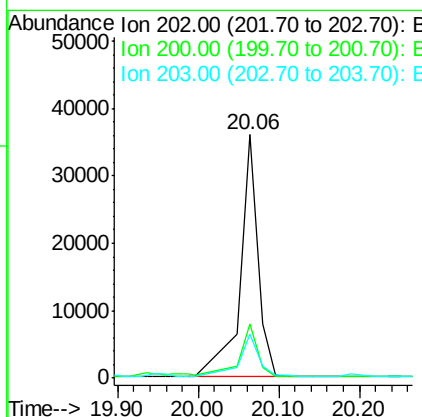
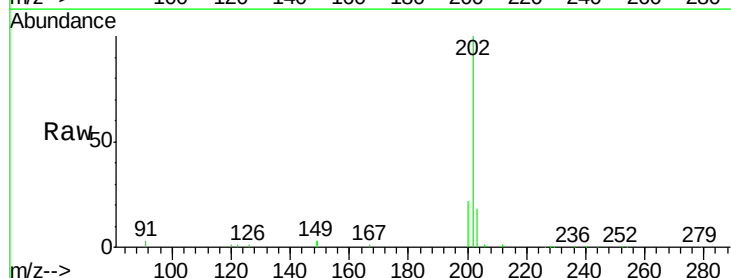
Manual Integrations
APPROVED

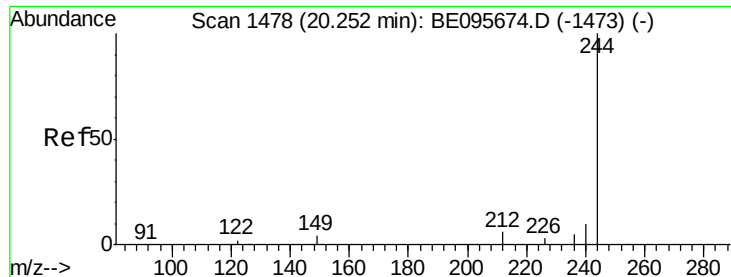
Sohil
2/27/2018 11:50:24 AM



#28
Pyrene
Concen: 1.785 ng
RT: 20.06 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	16.6	25.0
203	19.4	13.8	20.8





#29

Terphenyl-d14

Concen: 0.183 ng

RT: 20.25 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

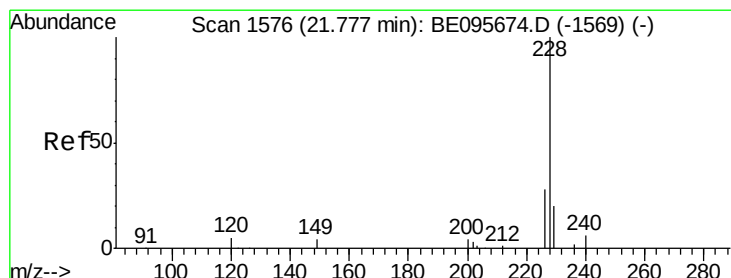
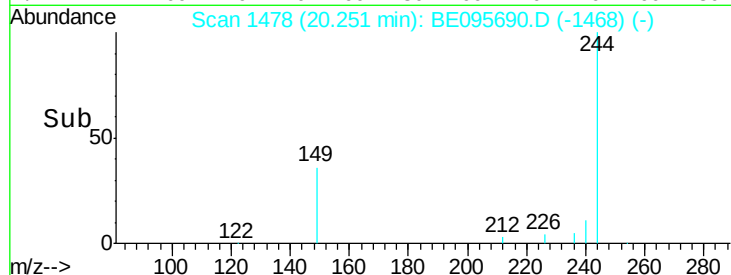
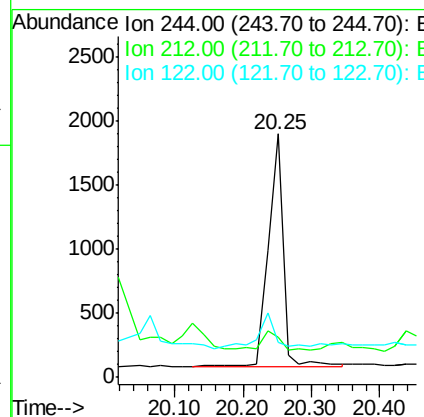
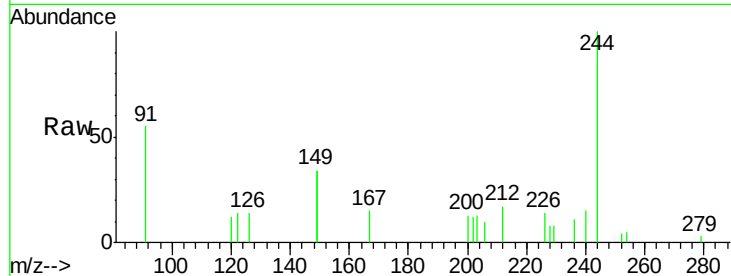
ClientSampled :

MW-9

Tot Ion:	244	Resp:	2798
Ion Ratio	Lower	Upper	
244	100		
212	16.6	25.4	38.0#
122	14.4	8.1	12.1#

Manual Integrations
APPROVED

Sohil
2/27/2018 11:50:24 AM



#30

Benzo(a)anthracene

Concen: 0.090 ng

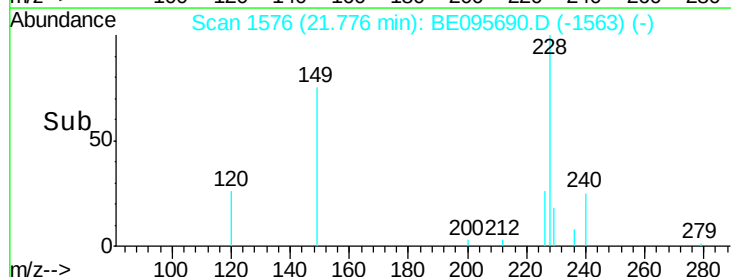
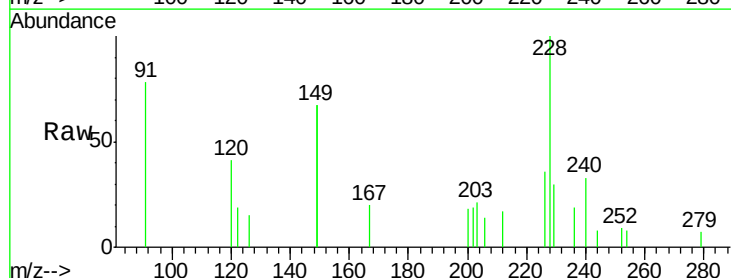
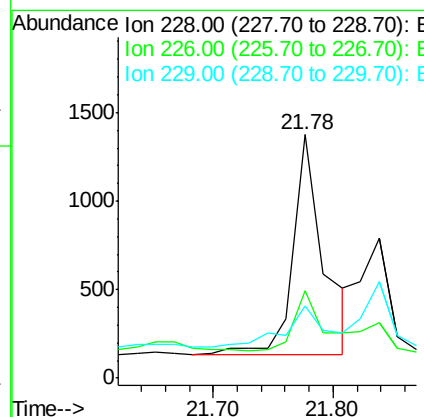
RT: 21.78 min Scan# 1576

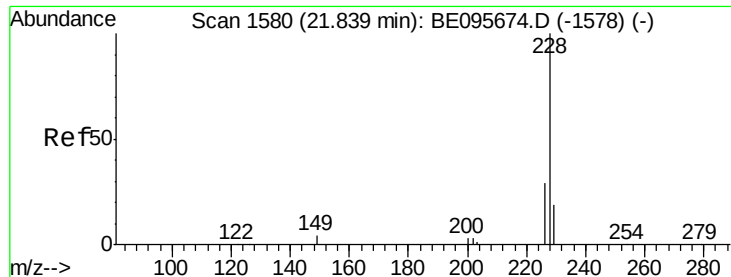
Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Tgt Ion:	228	Resp:	2243
Ion Ratio	Lower	Upper	
228	100		
226	36.0	24.0	36.0
229	29.8	16.0	24.0#





#31

Chrysene

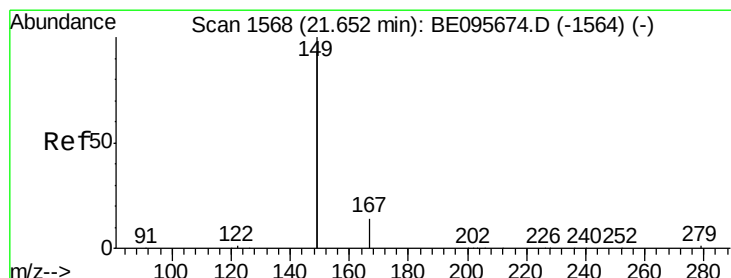
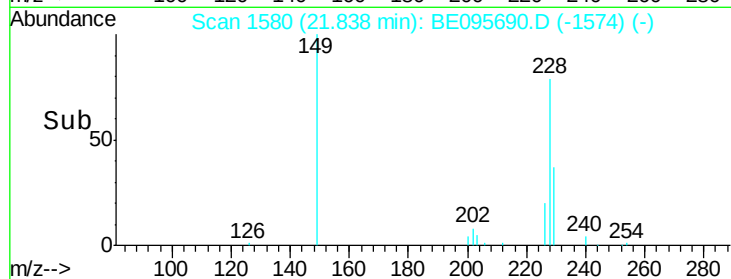
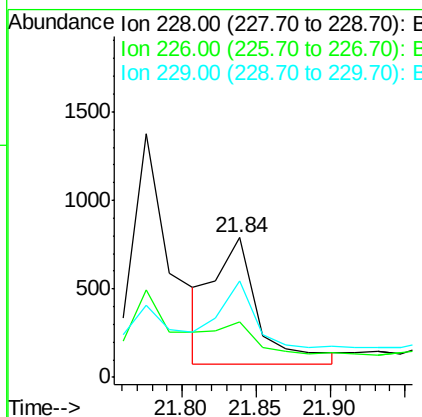
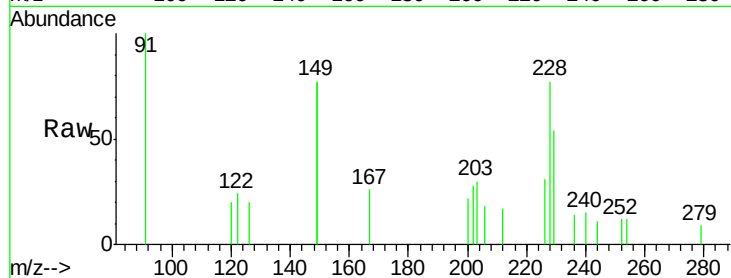
Concen: 0.058 ng/mL
 RT: 21.84 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Instrument :
 BNA_E
 ClientSampled :
 MW-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.9	24.0	36.0#
229	69.4	16.0	24.0#

Manual Integrations
 APPROVED

Sohil
 2/27/2018 11:50:24 AM

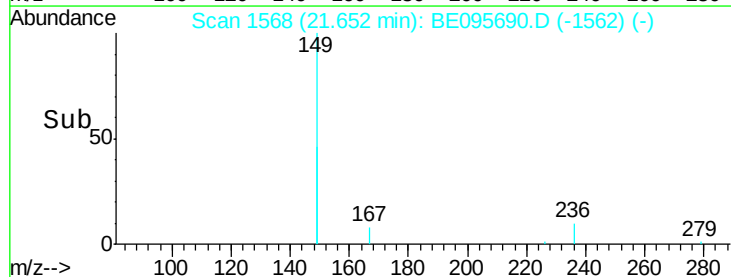
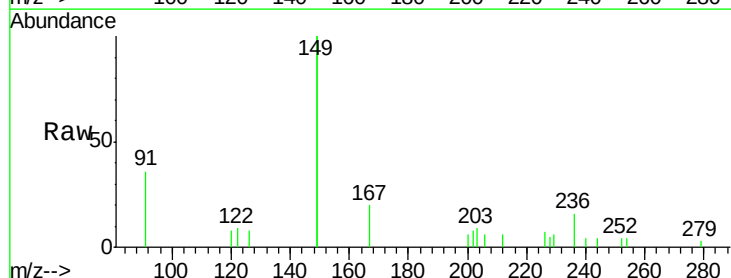
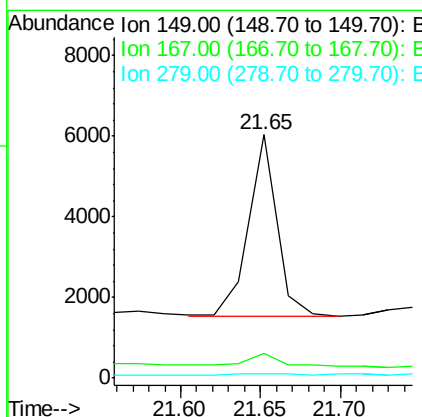


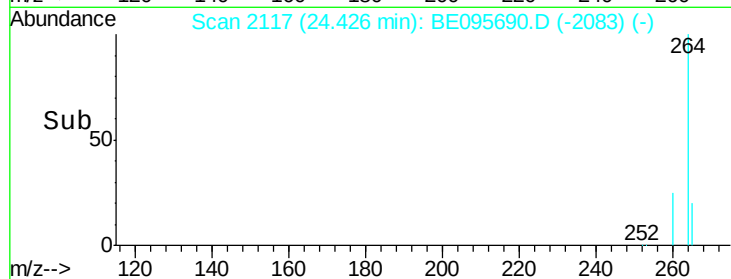
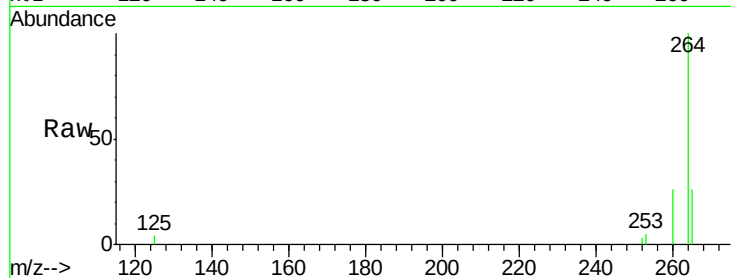
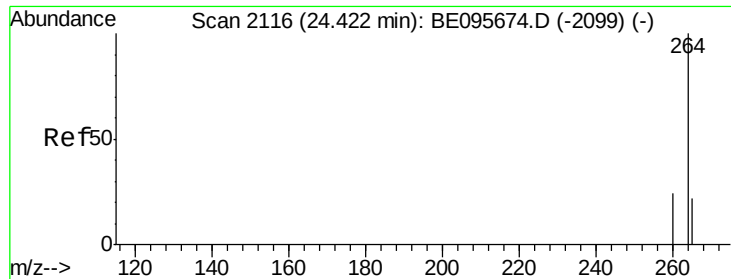
#32

Bis(2-ethylhexyl)phthalate

Concen: 0.124 ng/mL
 RT: 21.65 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	10.7	5.4	8.0#
279	1.3	0.7	1.1#





#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	26.5	22.8	34.2

Instrument :
 BNA_E
 ClientSampleId :
 MW-9

Manual Integrations
 APPROVED

Sohil
 2/27/2018 11:50:24 AM

