

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101718\
 Data File : BE097958.D
 Acq On : 17 Oct 2018 21:58
 Operator : SJ/JU
 Sample : J5521-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01A

Manual Integrations
 APPROVED

Sohil
 10/18/2018 1:57:46 PM

Quant Time: Oct 18 10:55:49 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2985	0.40	ng	-0.01
7) Naphthalene-d8	10.68	136	12802	0.40	ng	-0.01
13) Acenaphthene-d10	14.54	164	10244	0.40	ng	-0.02
19) Phenanthrene-d10	17.30	188	15248	0.40	ng	0.00
27) Chrysene-d12	21.53	240	5825m	0.40	ng	0.05
34) Perylene-d12	24.22	264	12519m	0.40	ng	0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	2152	0.23	ng	-0.01
5) Phenol-d6	7.05	99	4364	0.31	ng	-0.01
8) Nitrobenzene-d5	9.03	82	6607m	0.54	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	6009	0.28	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	1003	0.18	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	7580	0.18	ng	0.00
25) Fluoranthene-d10	19.34	212	48292	0.23	ng	0.01
29) Terphenyl-d14	19.95	244	6067m	0.45	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.73	128	103854	0.815	ng	# 97
12) 2-Methylnaphthalene	12.35	142	18753	0.859	ng	# 94
16) Acenaphthylene	14.28	152	4464	0.094	ng	# 15
17) Acenaphthene	14.61	154	2399	0.083	ng	# 16
18) Fluorene	15.59	166	11281	0.284	ng	# 91
23) Phenanthrene	17.34	178	24992	0.645	ng	# 10
26) Fluoranthene	19.38	202	11850	0.233	ng	# 74
28) Pyrene	19.74	202	35504m	2.113	ng	

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

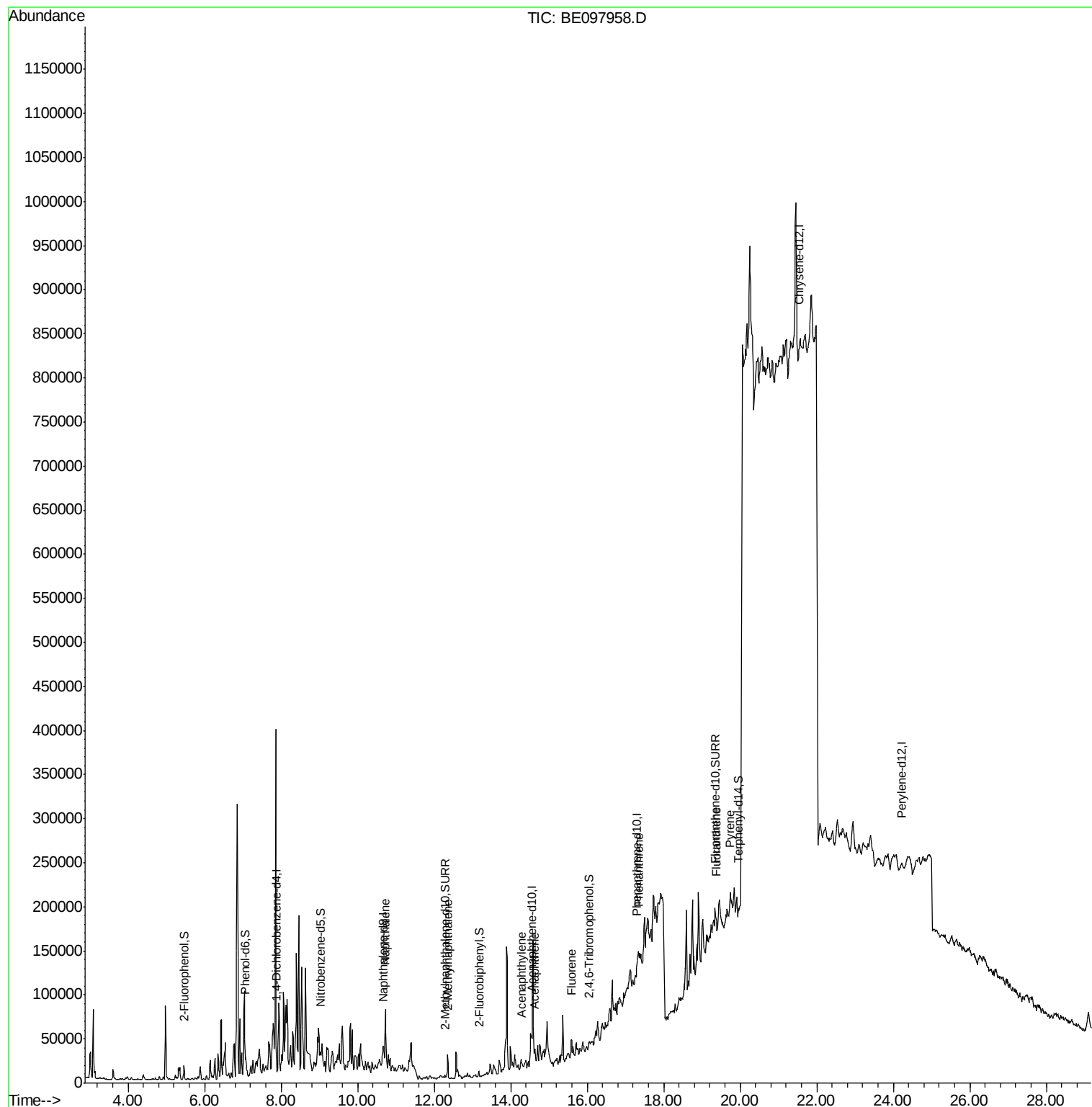
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101718\
Data File : BE097958.D
Acq On : 17 Oct 2018 21:58
Operator : SJ/JU
Sample : J5521-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

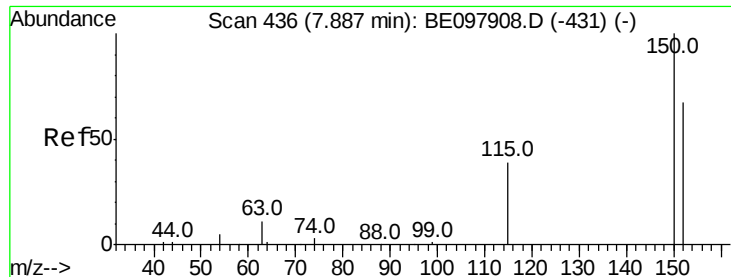
Instrument :
BNA_E
ClientSampleId :
AOC8-01A

Manual Integrations
APPROVED

Sohil
10/18/2018 1:57:46 PM

Quant Time: Oct 18 10:55:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 15:36:44 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. -0.01 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Instrument :

BNA_E

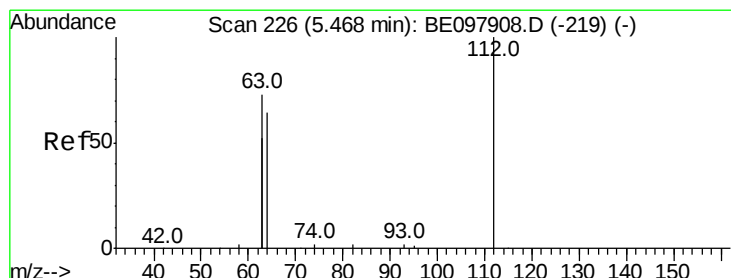
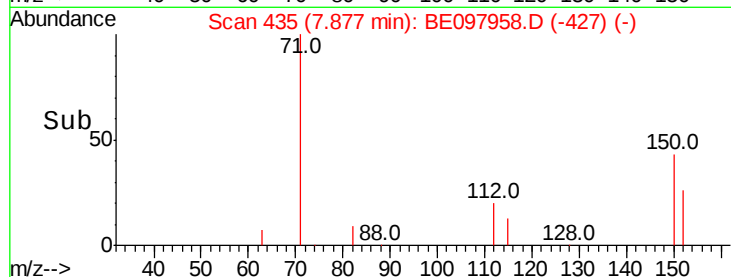
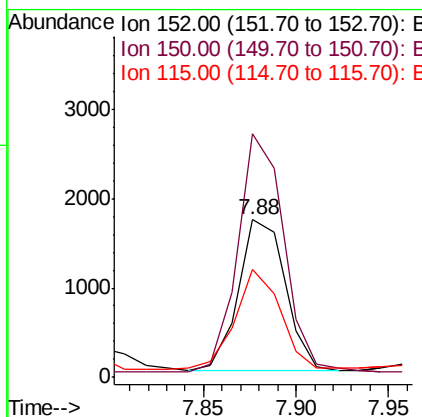
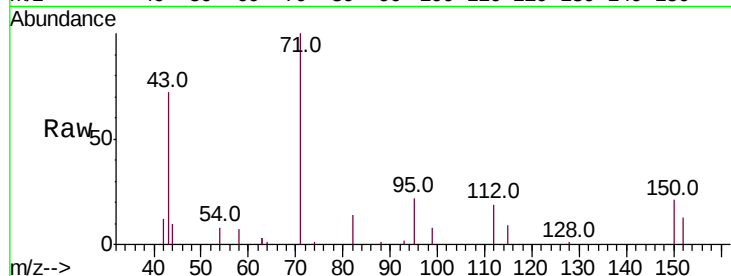
ClientSampleId :

AOC8-01A

Tot Ion:	152	Resp:	2985
Ion	Ratio	Lower	Upper
152	100		
150	154.6	118.2	177.4
115	68.6	50.9	76.3

Manual Integrations
APPROVED

Sohil
10/18/2018 1:57:46 PM



#4

2-Fluorophenol

Concen: 0.229 ng

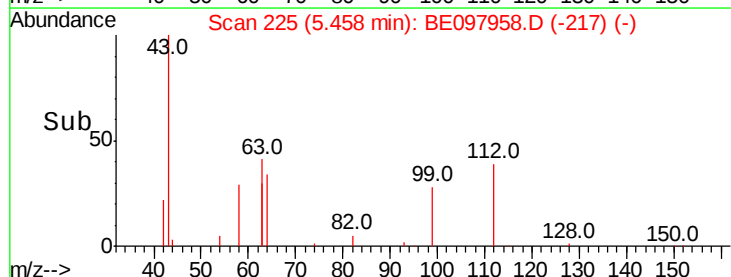
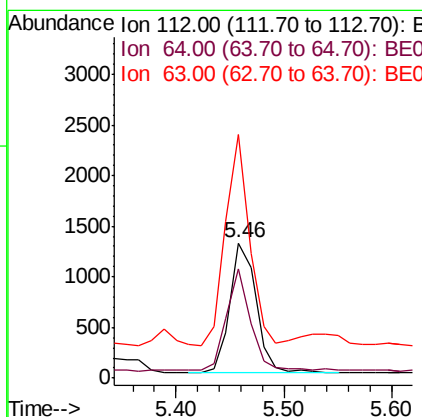
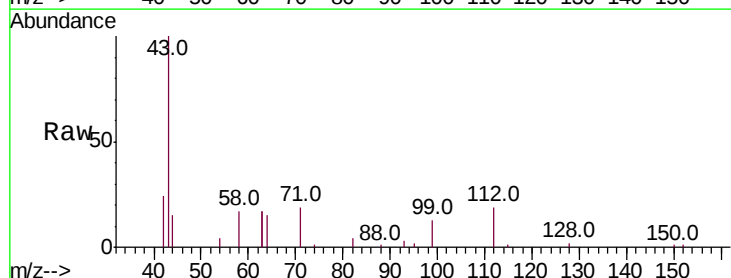
RT: 5.46 min Scan# 225

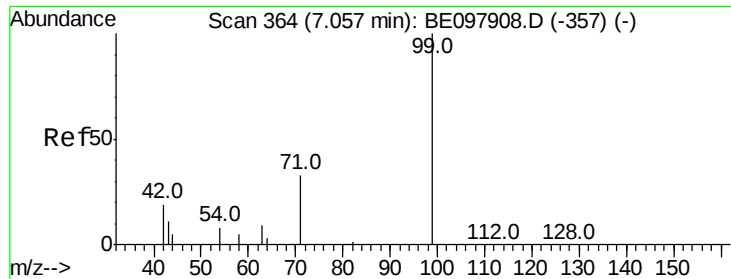
Delta R.T. -0.01 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Tgt Ion:	112	Resp:	2152
Ion	Ratio	Lower	Upper
112	100		
64	74.3	58.9	88.3
63	149.6	120.3	180.5





#5

Phenol-d6

Concen: 0.314 ng

RT: 7.05 min Scan# 363

Delta R.T. -0.01 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Instrument :

BNA_E

ClientSampleId :

AOC8-01A

Tot Ion: 99 Resp: 4364

Ion Ratio Lower Upper

99 100

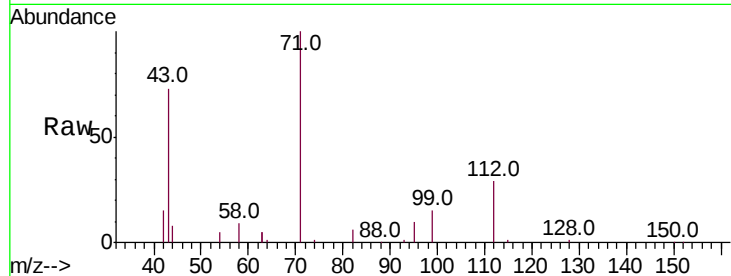
42 0.0 19.9 29.9#

71 1299.2 27.8 41.8#

Manual Integrations
APPROVED

Sohil

10/18/2018 1:57:46 PM

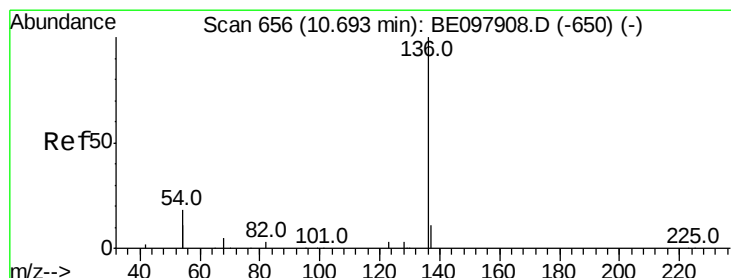
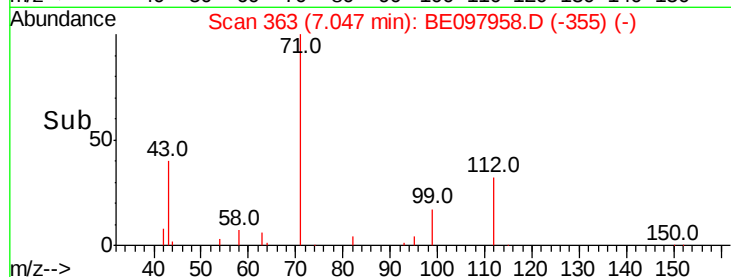
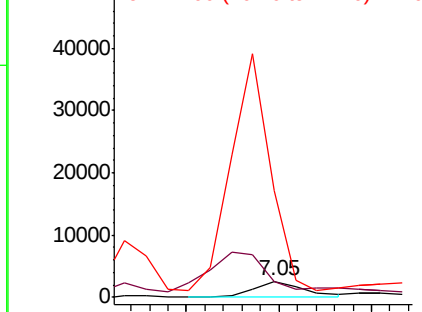


Abundance

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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Tgt Ion: 136 Resp: 12802

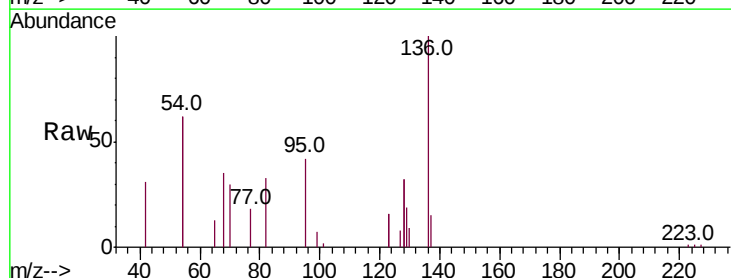
Ion Ratio Lower Upper

136 100

137 14.7 9.6 14.4#

54 123.4 27.7 41.5#

68 34.8 5.3 7.9#



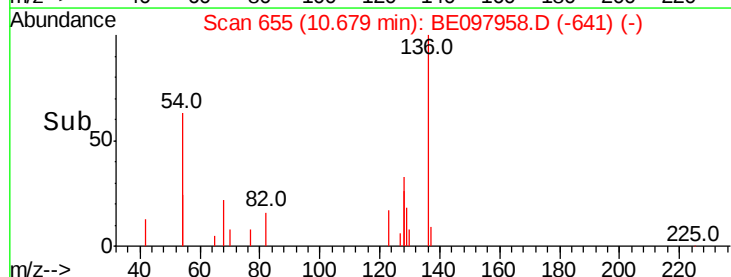
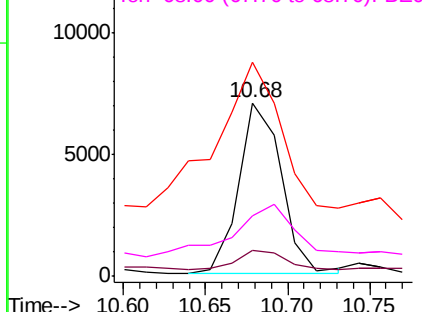
Abundance

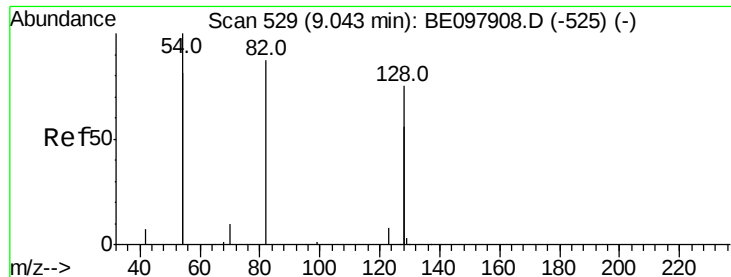
Ion 136.00 (135.70 to 136.70): E

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: 0.545 ng/ml

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Instrument :

BNA_E

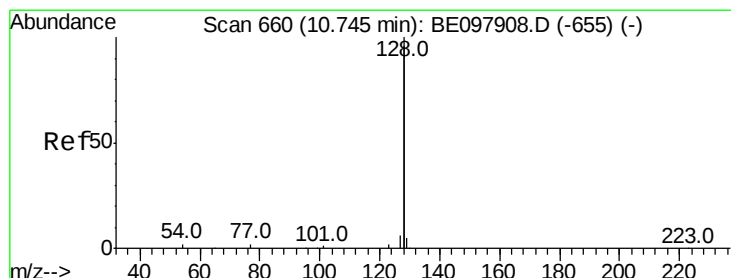
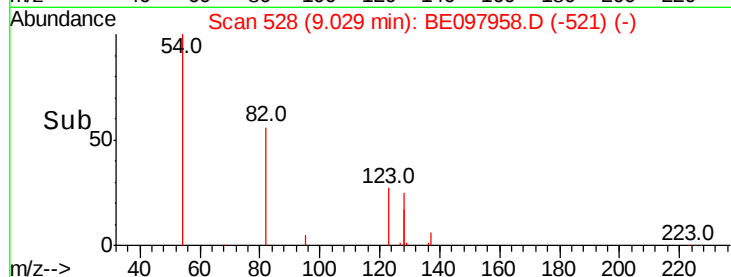
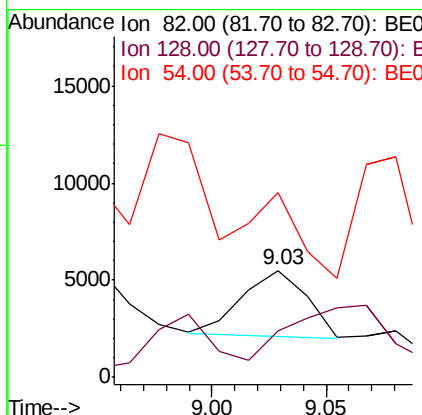
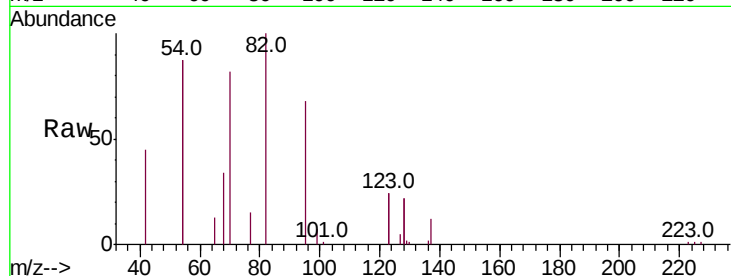
ClientSampleID :

AOC8-01A

Tot Ion	82	Resp	6607
Ion	Ratio	Lower	Upper
82	100		
128	21.8	129.9	194.9#
54	86.8	174.0	261.0#

Manual Integrations
APPROVED

Sohil
10/18/2018 1:57:46 PM



#9

Naphthalene

Concen: 0.815 ng/ml

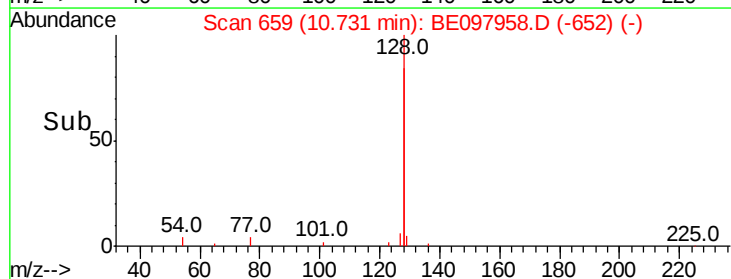
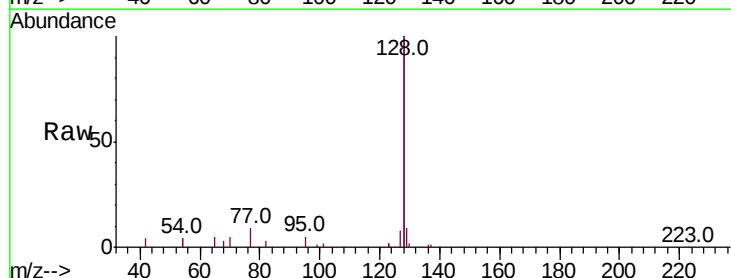
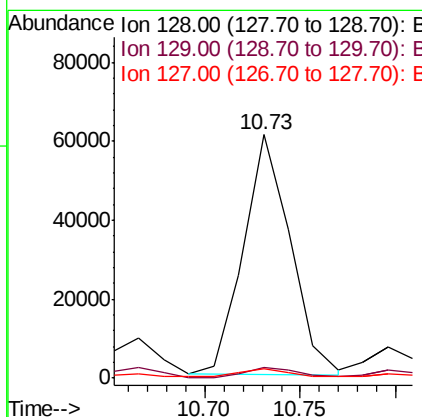
RT: 10.73 min Scan# 659

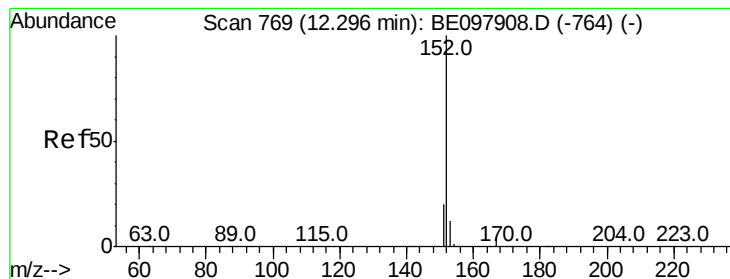
Delta R.T. -0.01 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Tgt Ion	128	Resp	103854
Ion	Ratio	Lower	Upper
128	100		
129	4.4	2.5	3.7#
127	4.1	2.8	4.2





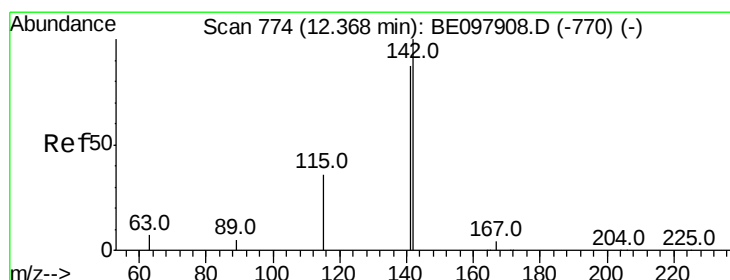
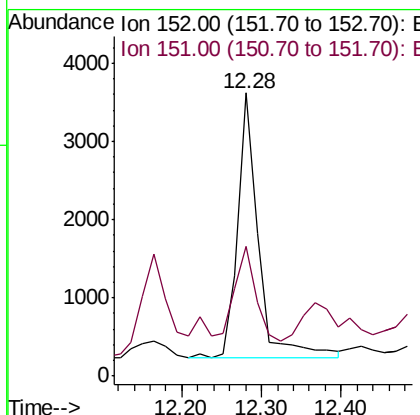
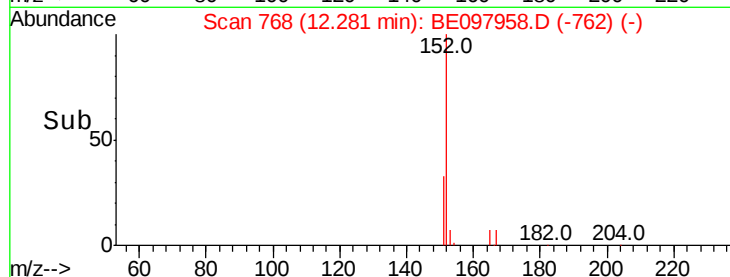
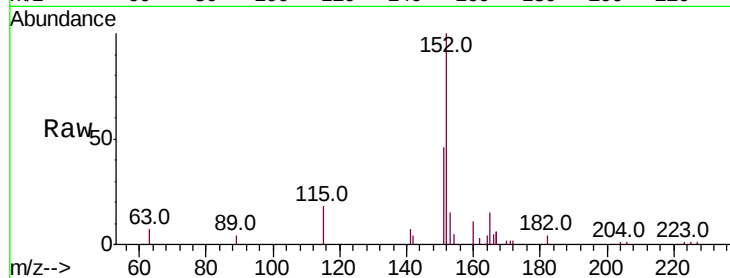
#11
2-Methylnaphthalene-d10
Concen: 0.282 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Instrument :
BNA_E
ClientSampleId :
AOC8-01A

Tot Ion	Ratio	Lower	Upper
152	100		
151	42.5	16.2	24.4#

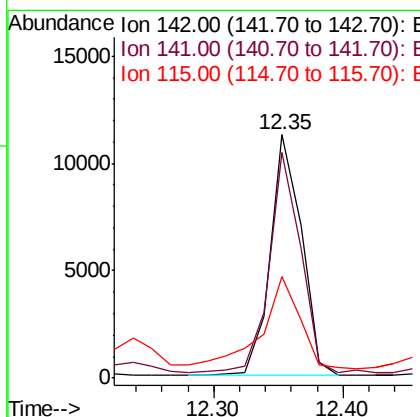
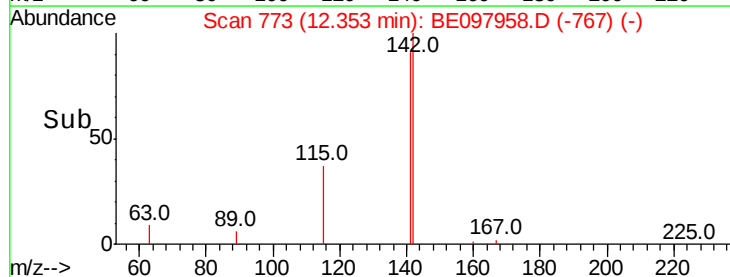
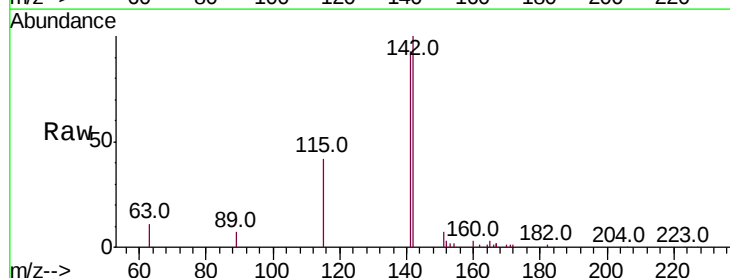
Manual Integrations
APPROVED

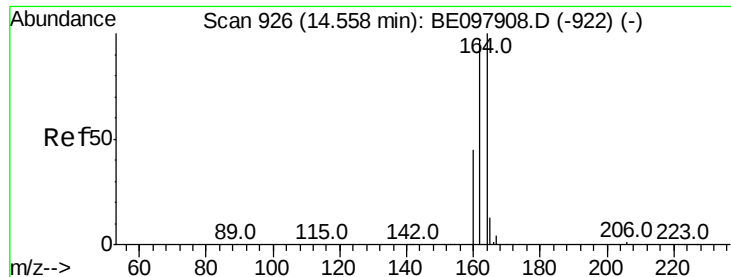
Sohil
10/18/2018 1:57:46 PM



#12
2-Methylnaphthalene
Concen: 0.859 ng
RT: 12.35 min Scan# 773
Delta R.T. -0.02 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	69.8	104.6
115	41.7	30.5	45.7





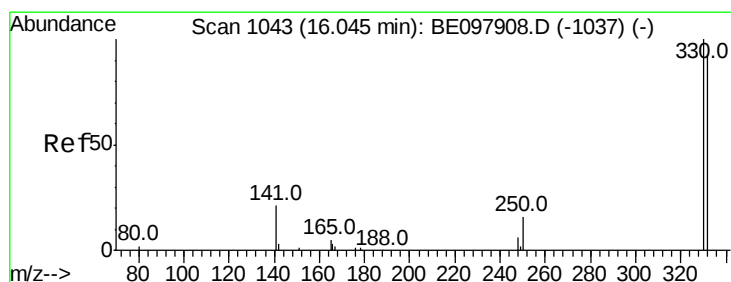
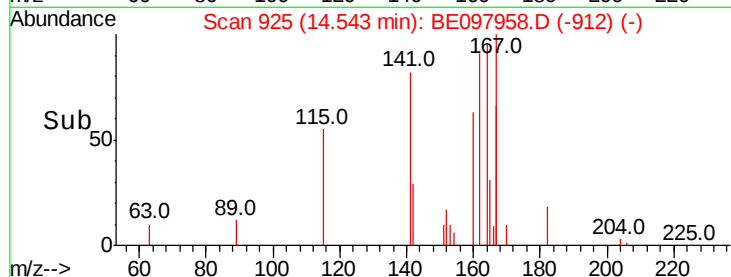
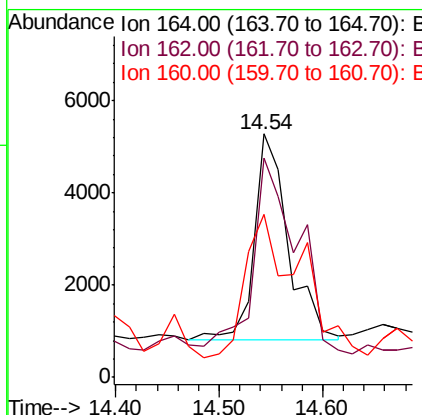
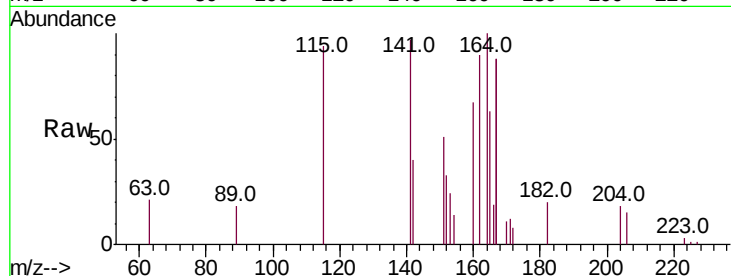
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BE097958.D
 Acq: 17 Oct 2018 21:58

Instrument :
 BNA_E
 ClientSampleId :
 AOC8-01A

Tot Ion	Ratio	Lower	Upper
164	100		
162	90.1	77.4	116.2
160	67.1	36.5	54.7#

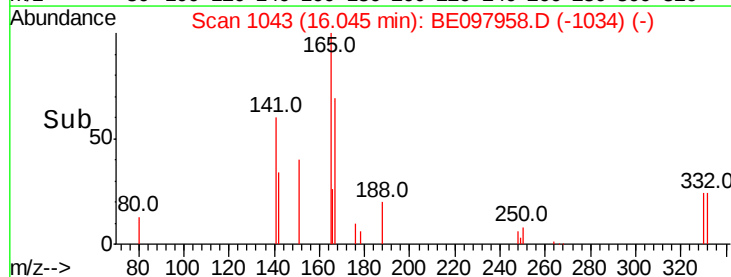
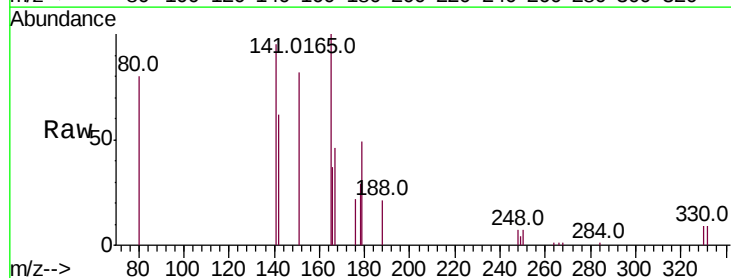
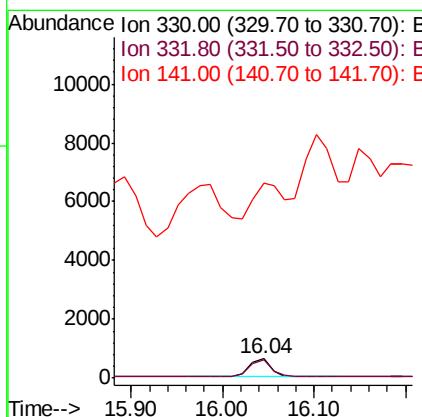
Manual Integrations
 APPROVED

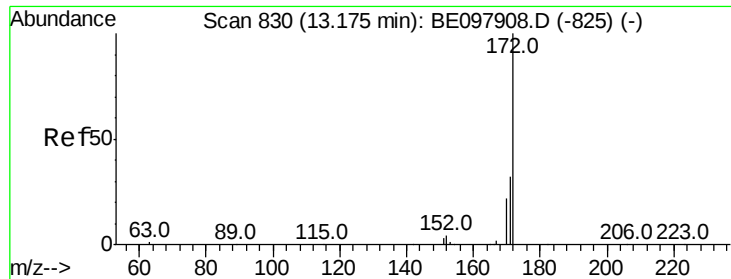
Sohil
 10/18/2018 1:57:46 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.182 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097958.D
 Acq: 17 Oct 2018 21:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.5	114.7
141	251.3	31.8	47.6#





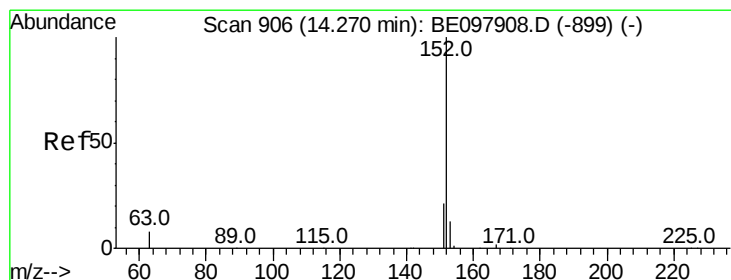
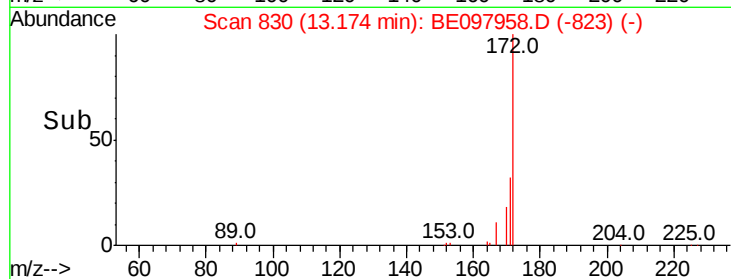
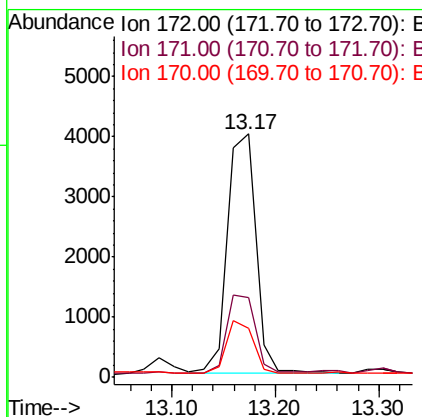
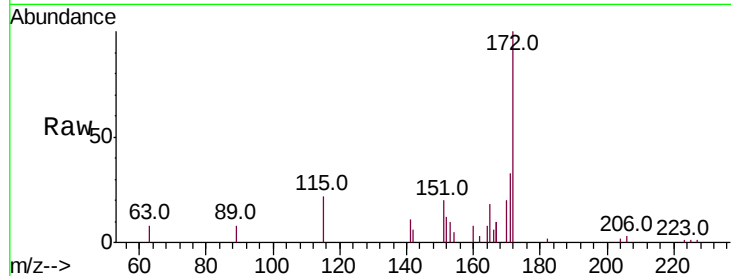
#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Instrument :
BNA_E
ClientSampled :
AOC8-01A

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.5	26.0	39.0
170	20.3	18.0	27.0

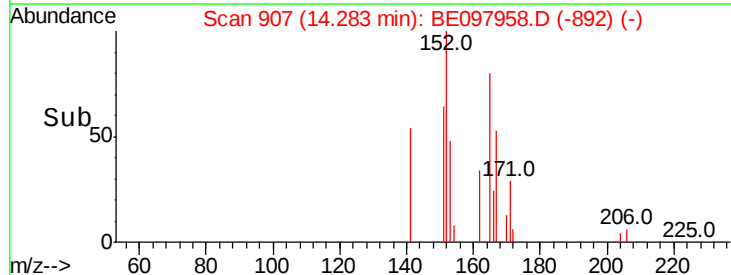
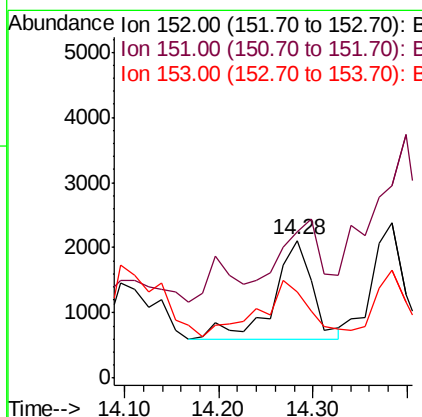
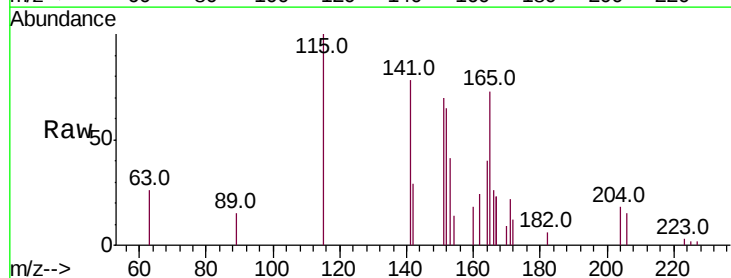
Manual Integrations
APPROVED

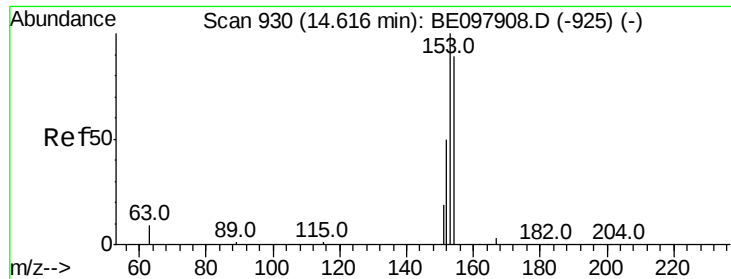
Sohil
10/18/2018 1:57:46 PM



#16
Acenaphthylene
Concen: 0.094 ng
RT: 14.28 min Scan# 907
Delta R.T. 0.01 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.1	24.1#
153	72.0	10.9	16.3#





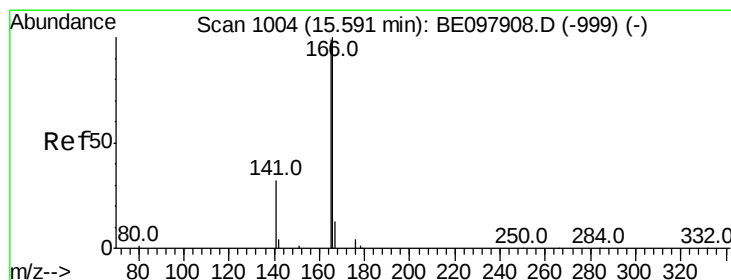
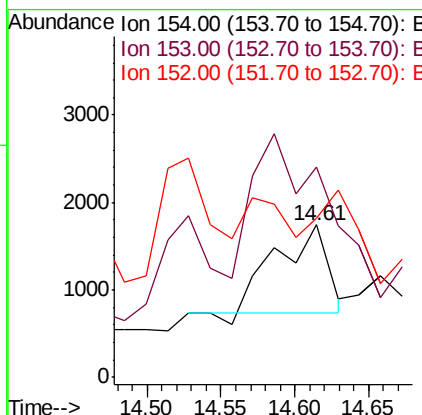
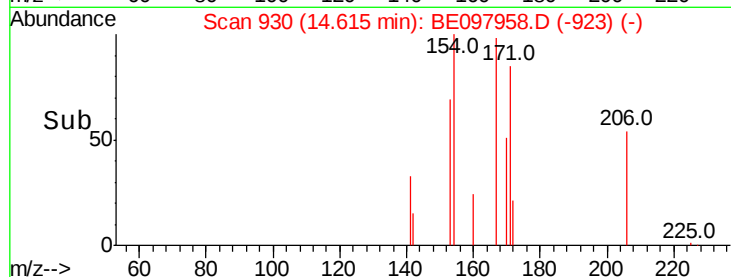
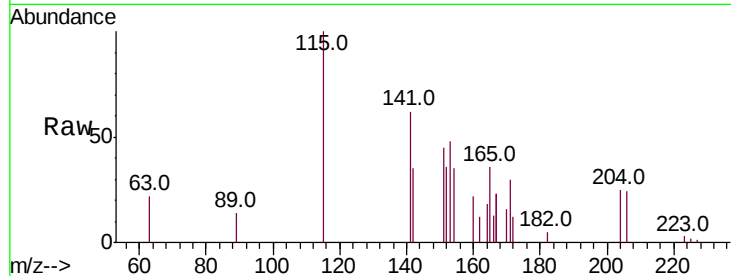
#17
Acenaphthene
Concen: 0.083 ng
RT: 14.61 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Instrument :
BNA_E
ClientSampleId :
AOC8-01A

Tot Ion	Ratio	Lower	Upper
154	100		
153	0.0	92.6	139.0#
152	29.7	45.5	68.3#

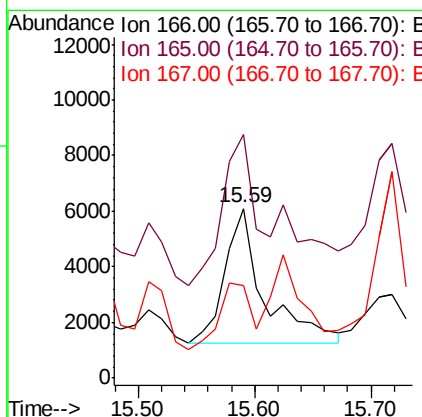
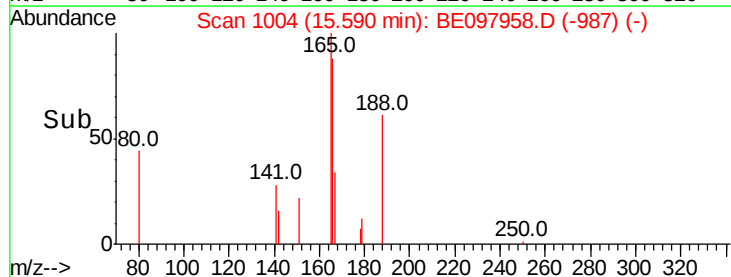
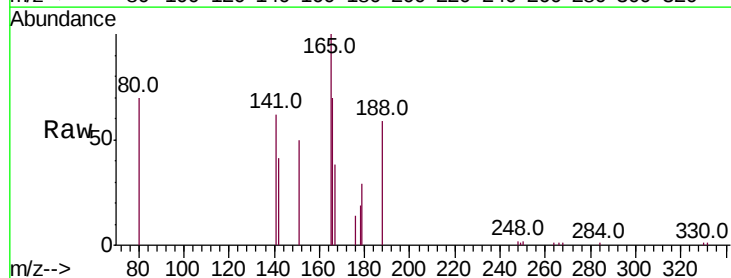
Manual Integrations
APPROVED

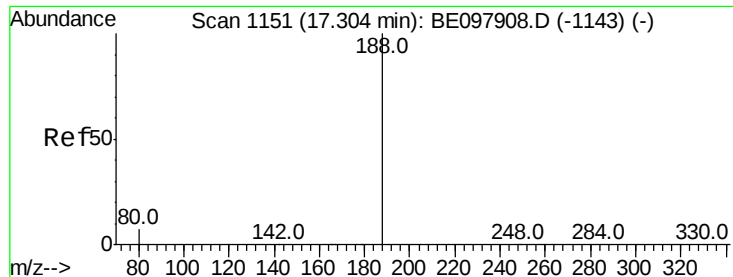
Sohil
10/18/2018 1:57:46 PM



#18
Fluorene
Concen: 0.284 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.2	117.4
167	39.6	11.0	16.6#





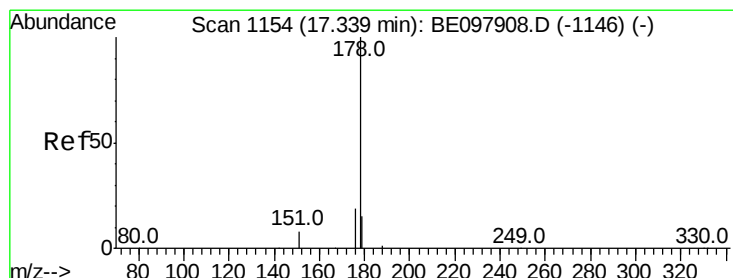
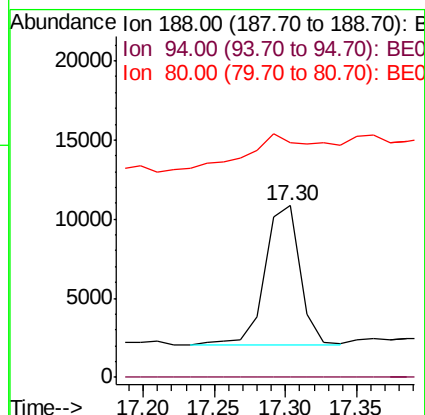
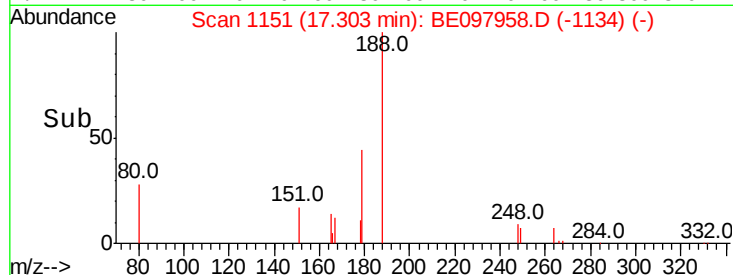
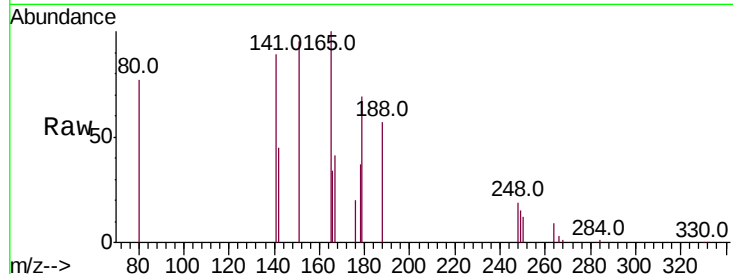
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Instrument :
BNA_E
ClientSampleId :
AOC8-01A

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	136.4	6.3	9.5#

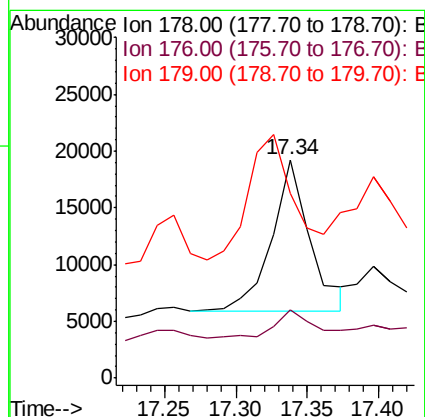
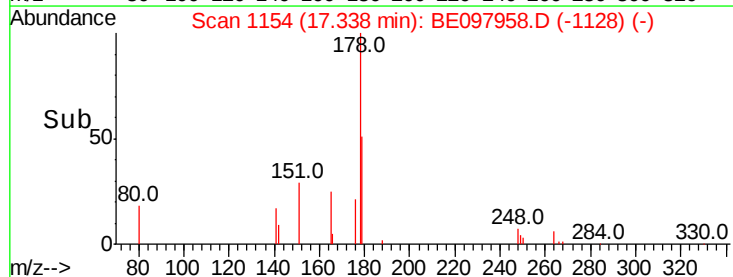
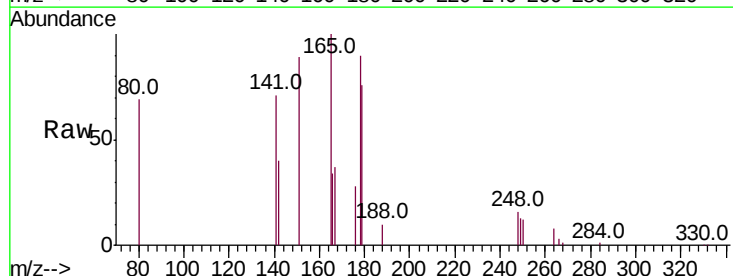
Manual Integrations
APPROVED

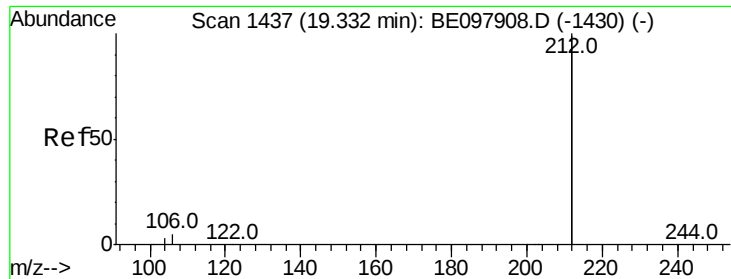
Sohil
10/18/2018 1:57:46 PM



#23
Phenanthrene
Concen: 0.645 ng
RT: 17.34 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097958.D
Acq: 17 Oct 2018 21:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.5	23.3
179	98.0	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.234 ng

RT: 19.34 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Instrument :

BNA_E

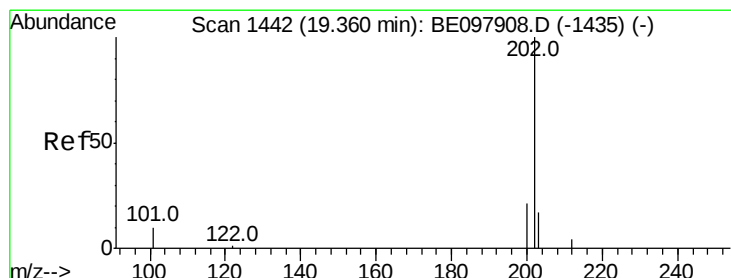
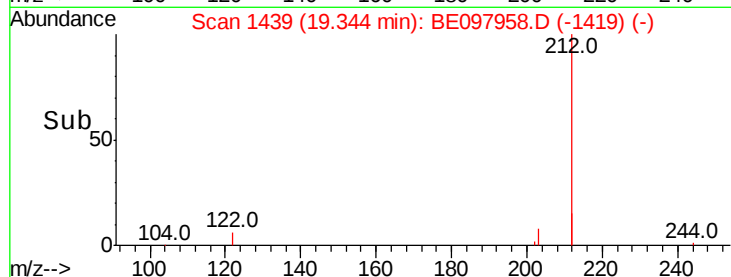
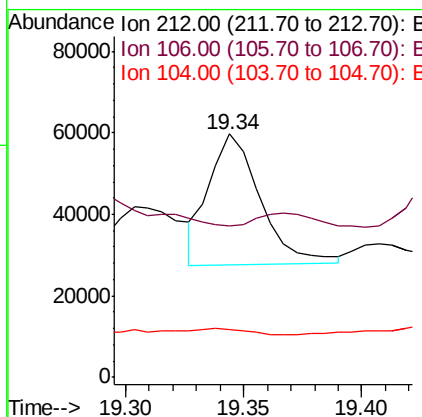
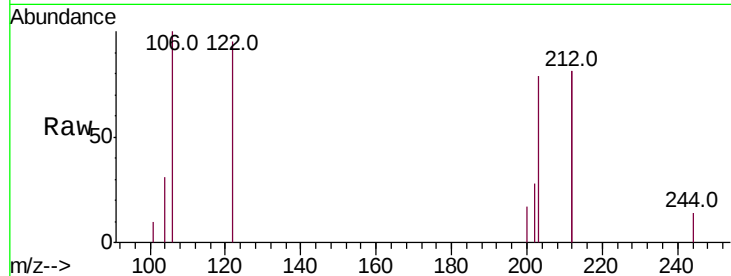
ClientSampleId :

AOC8-01A

Tot Ion:	212	Resp:	48292
Ion Ratio	Lower	Upper	
212	100		
106	0.0	2.3	3.5#
104	4.8	1.3	1.9#

Manual Integrations
APPROVED

Sohil
10/18/2018 1:57:46 PM



#26

Fluoranthene

Concen: 0.233 ng

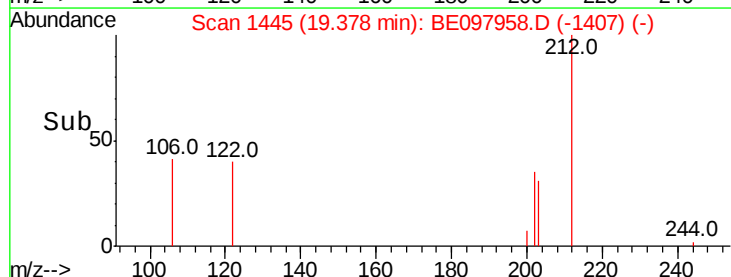
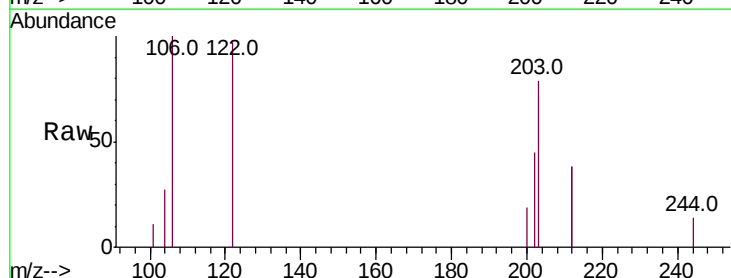
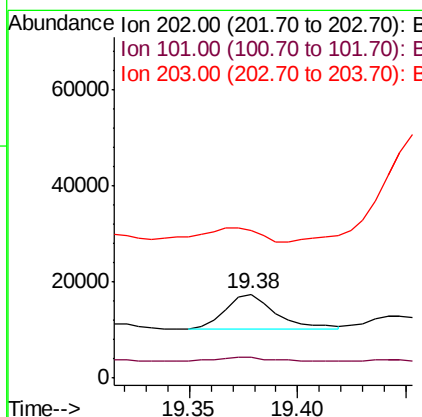
RT: 19.38 min Scan# 1445

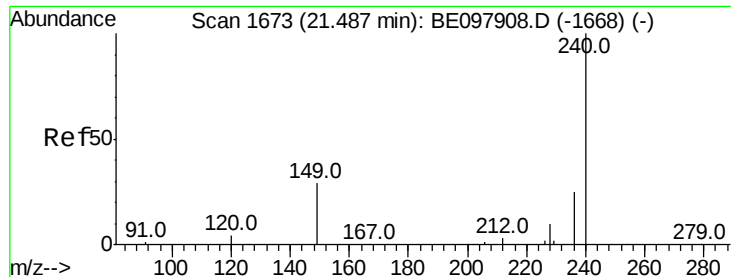
Delta R.T. 0.02 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Tgt Ion:	202	Resp:	11850
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.2	12.2
203	36.6	15.0	22.4#





#27

Chrysene-d12

Concen: 0.400 ng/mL

RT: 21.53 min Scan# 1677

Delta R.T. 0.05 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Instrument :

BNA_E

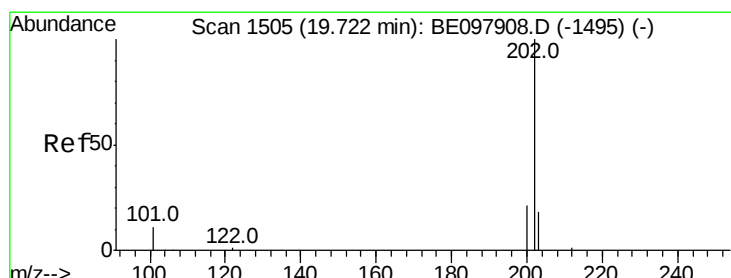
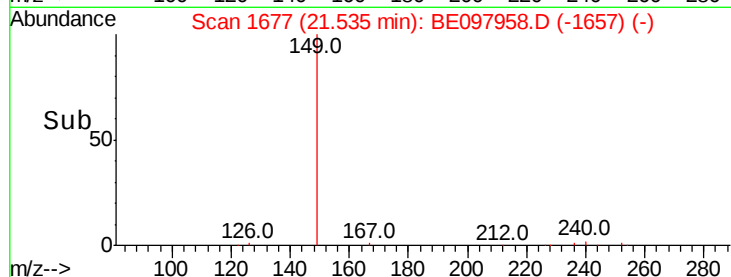
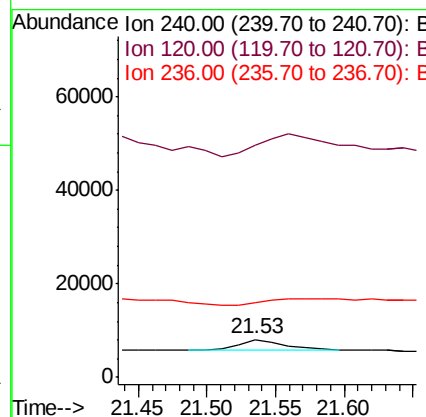
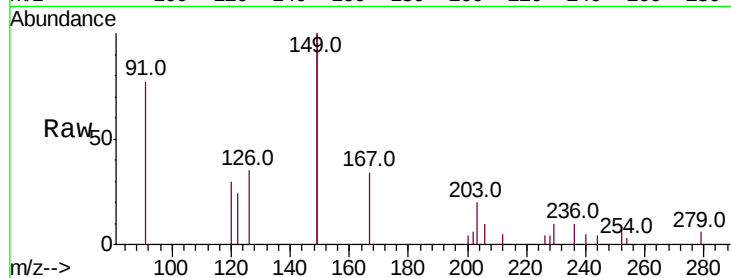
ClientSampleID :

AOC8-01A

Tot Ion	Ratio	Lower	Upper
240	100		
120	611.6	7.1	10.7#
236	197.9	21.3	31.9#

Manual Integrations
APPROVED

Sohil
10/18/2018 1:57:46 PM



#28

Pyrene

Concen: 2.113 ng/mL

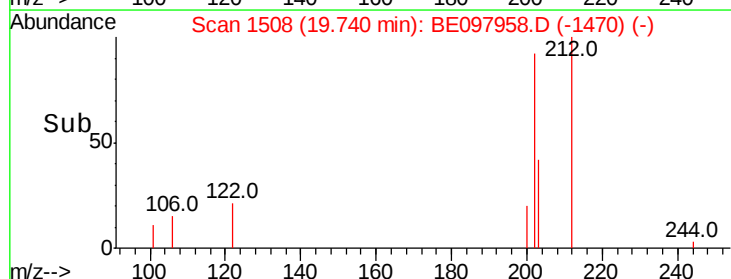
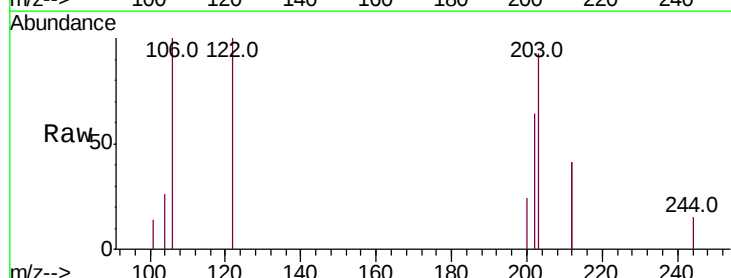
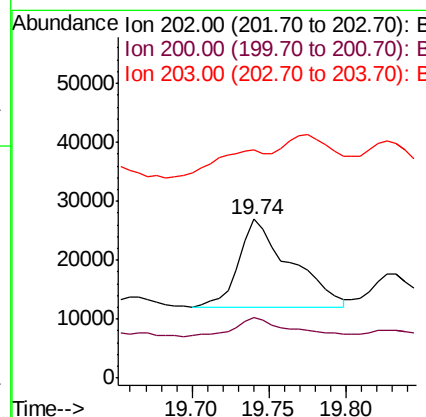
RT: 19.74 min Scan# 1508

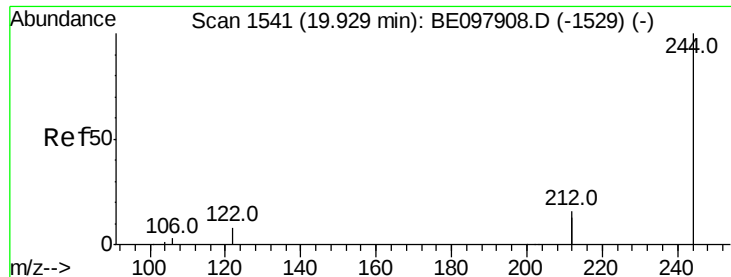
Delta R.T. 0.02 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	10.6	17.0	25.4#
203	0.0	14.2	21.4#





#29

Terphenyl-d14

Concen: 0.454 ng m

RT: 19.95 min Scan# 1545

Delta R.T. 0.02 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Instrument :

BNA_E

ClientSampleId :

AOC8-01A

Tot Ion:244 Resp: 6067

Ion Ratio Lower Upper

244 100

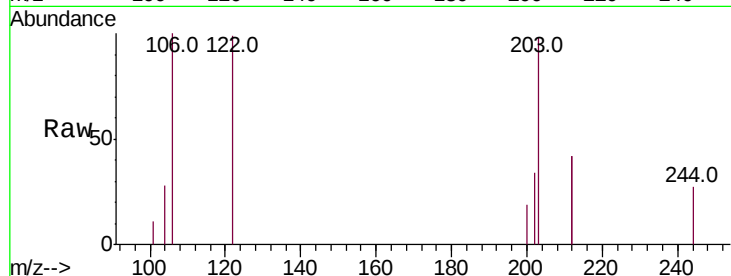
212 157.4 26.2 39.2#

122 372.3 7.7 11.5#

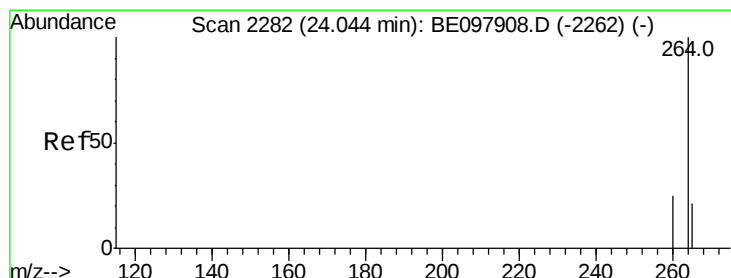
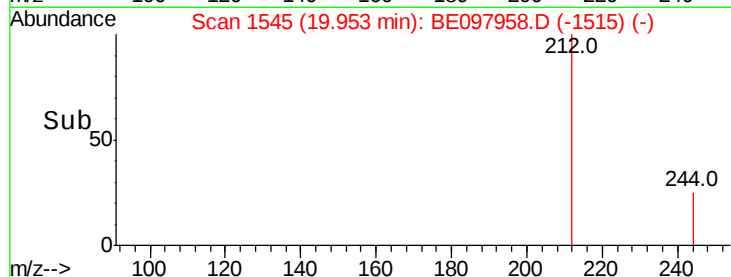
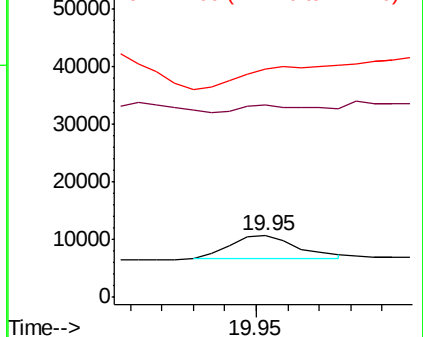
Manual Integrations
APPROVED

Sohil

10/18/2018 1:57:46 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#34

Perylene-d12

Concen: 0.400 ng m

RT: 24.22 min Scan# 2332

Delta R.T. 0.18 min

Lab File: BE097958.D

Acq: 17 Oct 2018 21:58

Tgt Ion:264 Resp: 12519

Ion Ratio Lower Upper

264 100

260 96.2 21.1 31.7#

265 90.8 29.2 43.8#

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

