

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080717\
 Data File : BM011160.D
 Acq On : 07 Aug 2017 19:54
 Operator : SJ/JU
 Sample : I4611-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-080317-B

Manual Integrations
 APPROVED

Sohil
 8/10/2017 6:12:57 PM

Quant Time: Aug 08 02:04:42 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 17:29:06 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	141962	20.00	ng	-0.08
21) Naphthalene-d8	10.07	136	495300	20.00	ng	-0.08
38) Acenaphthene-d10	13.98	164	371014	20.00	ng	-0.07
63) Phenanthrene-d10	16.74	188	959696	20.00	ng	-0.07
75) Chrysene-d12	20.96	240	1300630	20.00	ng	-0.06
86) Perylene-d12	23.05	264	1293740	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	1322351	157.46	ng	-0.07
7) Phenol-d6	6.52	99	1694269	141.99	ng	-0.07
23) Nitrobenzene-d5	8.46	82	1666620	126.29	ng	-0.08
41) 2,4,6-Tribromophenol	15.49	330	996193	167.52	ng	-0.07
44) 2-Fluorobiphenyl	12.59	172	3010545	101.77	ng	-0.08
78) Terphenyl-d14	19.41	244	6608275	100.64	ng	-0.06
Target Compounds						
76) Benzidine	19.05	184	162709m	5.229	ng	Qvalue

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

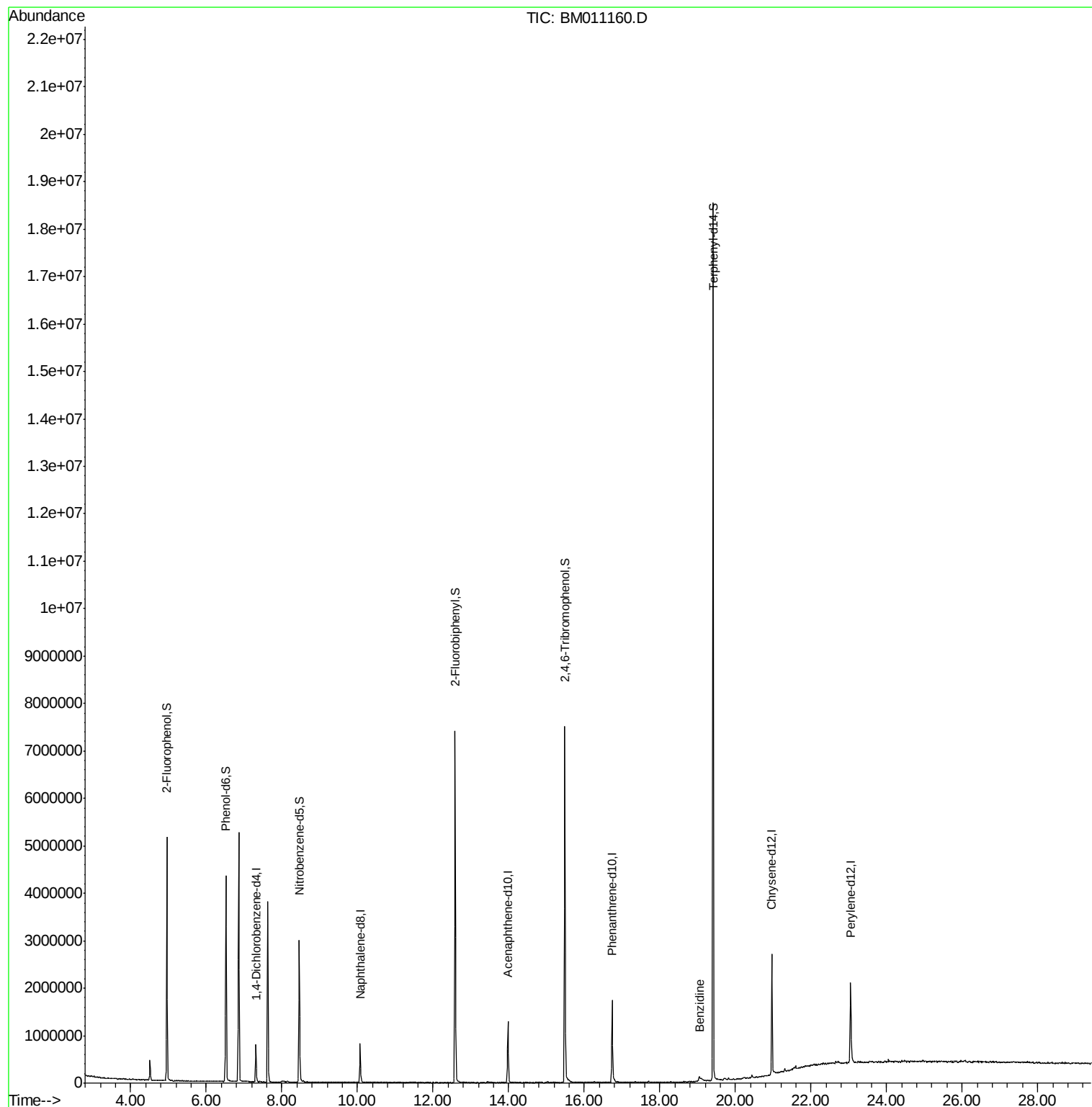
Data Path : Z:\HPCHEM1\BNA M\DATA\BM080717\
Data File : BM011160.D
Acq On : 07 Aug 2017 19:54
Operator : SJ/JU
Sample : I4611-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

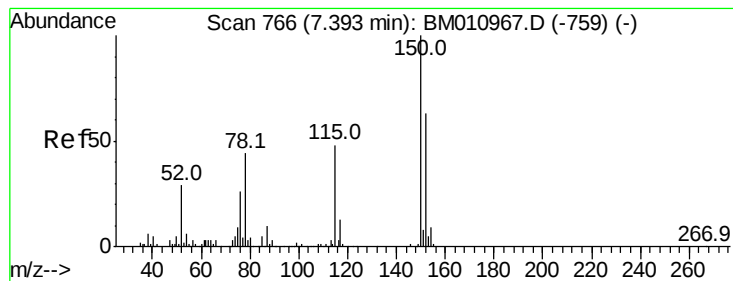
Instrument :
BNA_M
ClientSampleId :
EO-01-080317-B

Manual Integrations
APPROVED

Sohil
8/10/2017 6:12:57 PM

Quant Time: Aug 08 02:04:42 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 17:29:06 2017
Response via : Initial Calibration





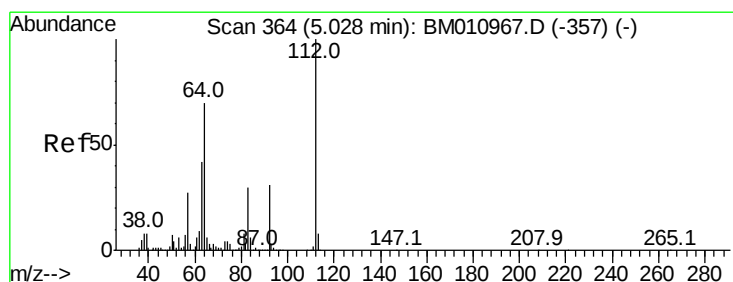
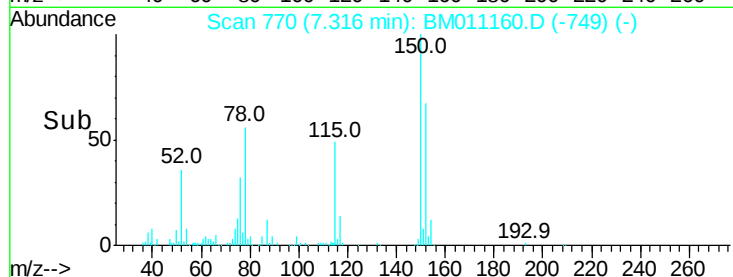
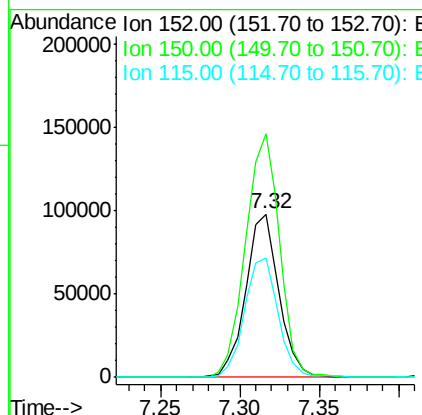
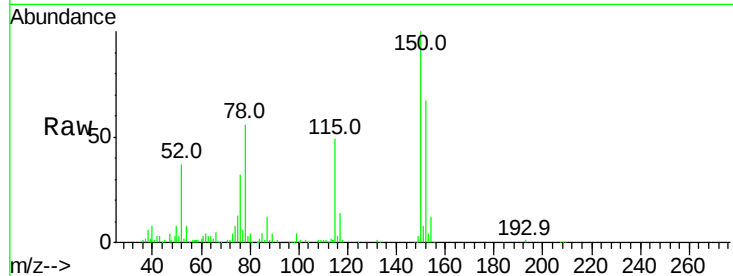
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.32 min Scan# 770
 Delta R.T. -0.08 min
 Lab File: BM011160.D
 Acq: 07 Aug 2017 19:54

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-080317-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	119.5	179.3
115	73.1	43.0	64.4#

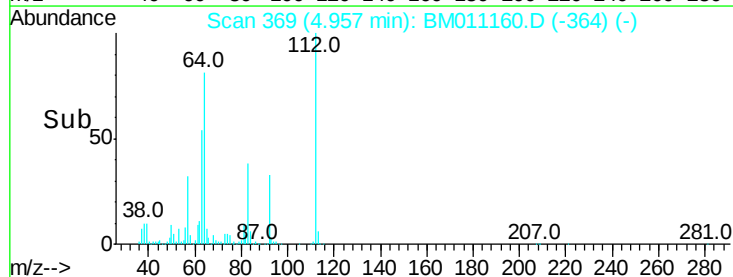
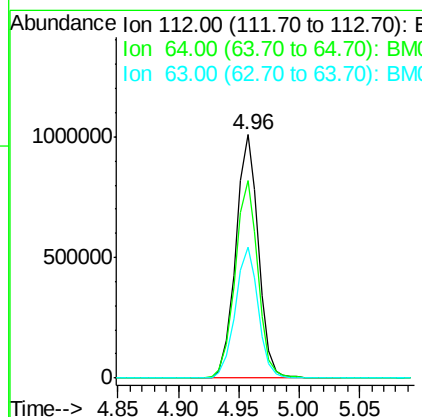
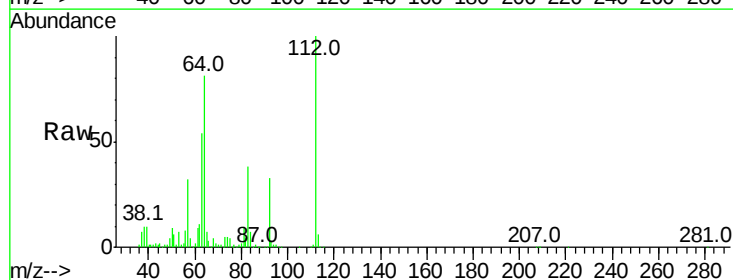
Manual Integrations
 APPROVED

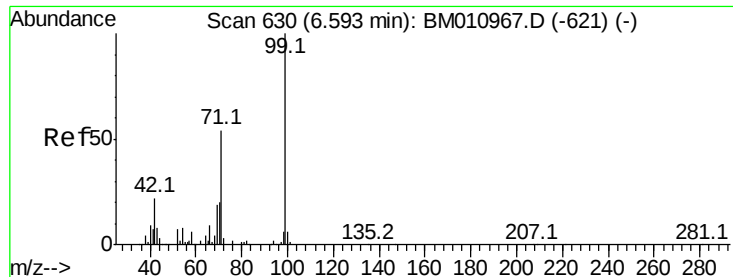
Sohil
 8/10/2017 6:12:57 PM



#5
 2-Fluorophenol
 Concen: 157.461 ng
 RT: 4.96 min Scan# 369
 Delta R.T. -0.07 min
 Lab File: BM011160.D
 Acq: 07 Aug 2017 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	81.1	38.6	57.8#
63	53.9	19.3	28.9#





#7

Phenol-d6

Concen: 141.995 ng

RT: 6.52 min Scan# 635

Delta R.T. -0.07 min

Lab File: BM011160.D

Acq: 07 Aug 2017 19:54

Instrument :

BNA_M

ClientSampleId :

EO-01-080317-B

Tot Ion: 99 Resp: 1694269

Ion Ratio Lower Upper

99 100

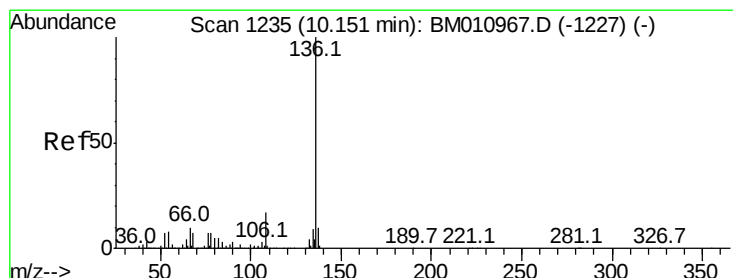
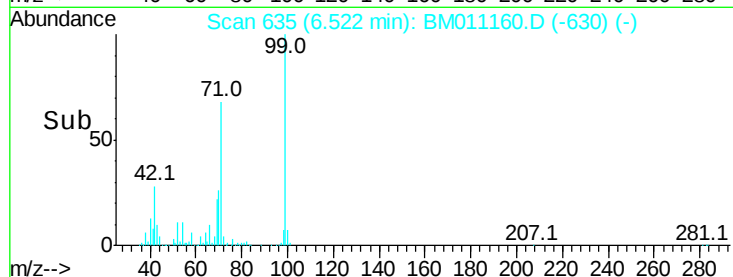
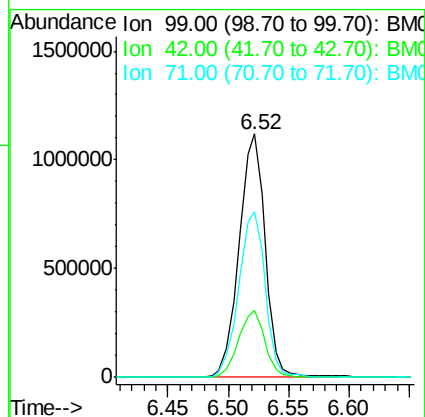
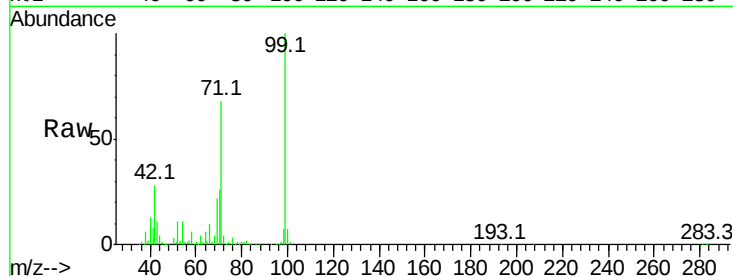
42 27.7 11.0 16.4#

71 68.2 23.4 35.2#

Manual Integrations
APPROVED

Sohil

8/10/2017 6:12:57 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.07 min Scan# 1238

Delta R.T. -0.08 min

Lab File: BM011160.D

Acq: 07 Aug 2017 19:54

Tgt Ion: 136 Resp: 495300

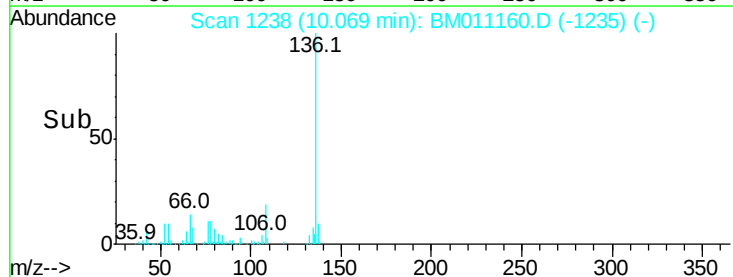
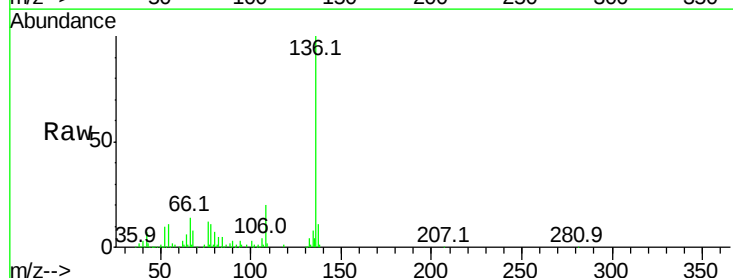
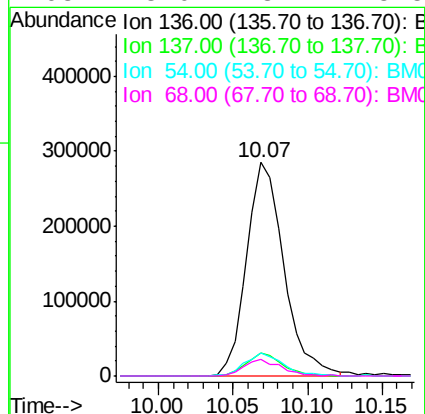
Ion Ratio Lower Upper

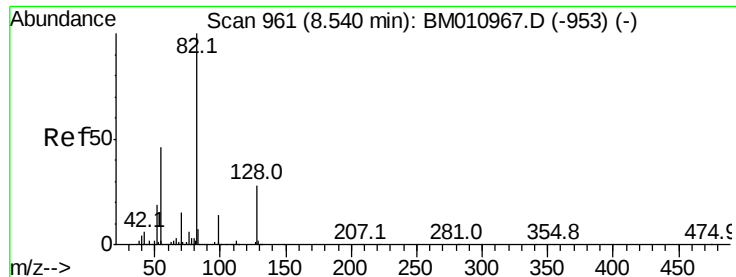
136 100

137 11.1 8.7 13.1

54 10.7 4.6 6.8#

68 8.0 3.7 5.5#





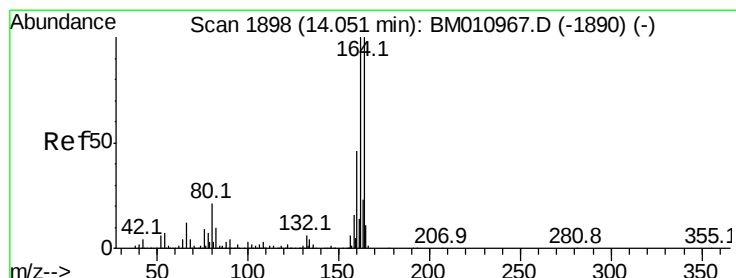
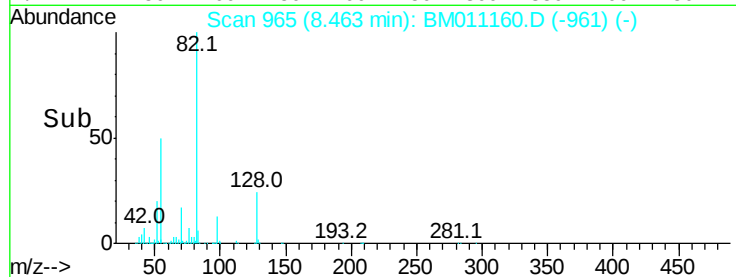
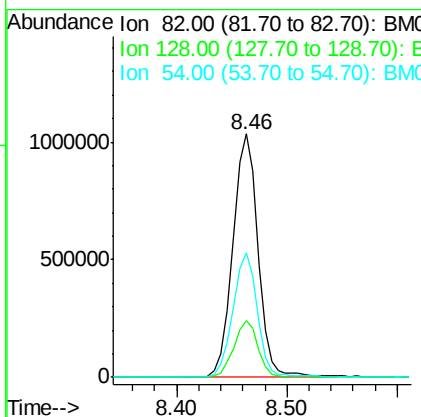
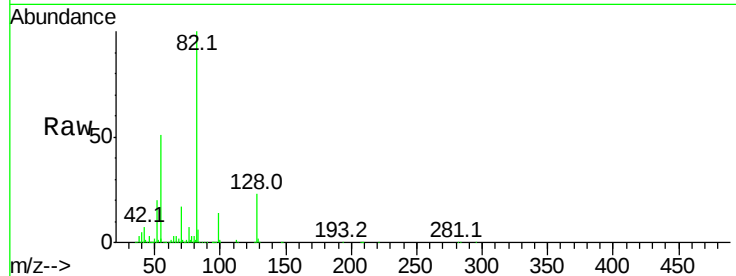
#23
Nitrobenzene-d5
Concen: 126.289 ng
RT: 8.46 min Scan# 965
Delta R.T. -0.08 min
Lab File: BM011160.D
Acq: 07 Aug 2017 19:54

Instrument :
BNA_M
ClientSampleId :
EO-01-080317-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	23.5	32.8	49.2#
54	51.0	40.6	60.8

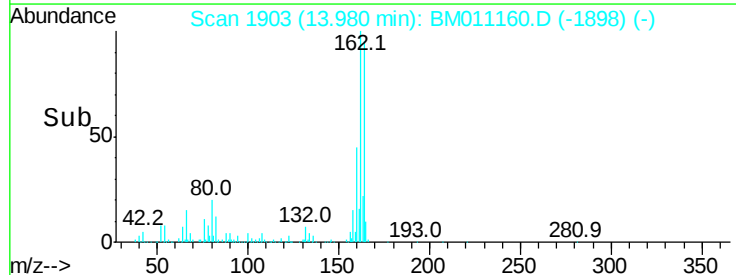
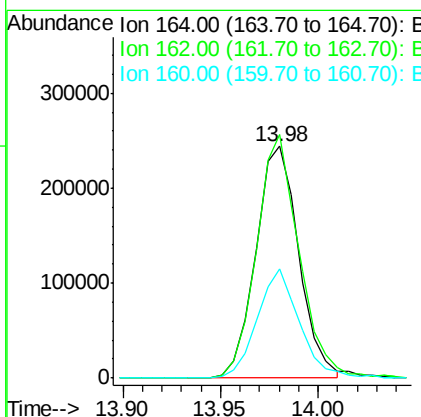
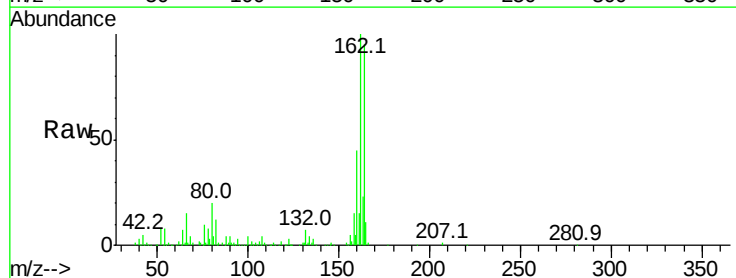
Manual Integrations
APPROVED

Sohil
8/10/2017 6:12:57 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.98 min Scan# 1903
Delta R.T. -0.07 min
Lab File: BM011160.D
Acq: 07 Aug 2017 19:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.4	123.6
160	47.0	35.8	53.6





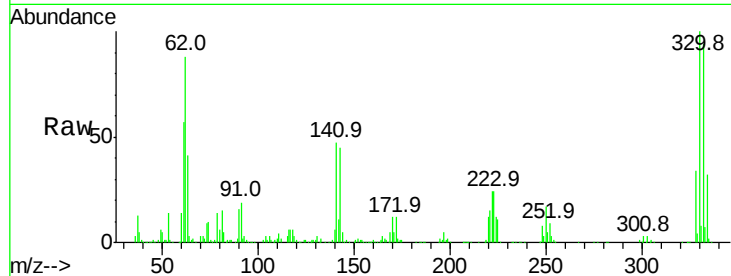
#41
 2,4,6-Tribromophenol
 Concen: 167.524 ng
 RT: 15.49 min Scan# 2159
 Delta R.T. -0.07 min
 Lab File: BM011160.D
 Acq: 07 Aug 2017 19:54

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-080317-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.3	0.0	0.0	0.0
141	48.3	0.0	0.0	0.0

Manual Integrations
 APPROVED

Sohil
 8/10/2017 6:12:57 PM

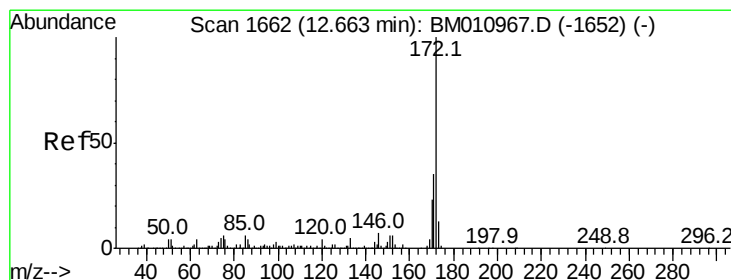
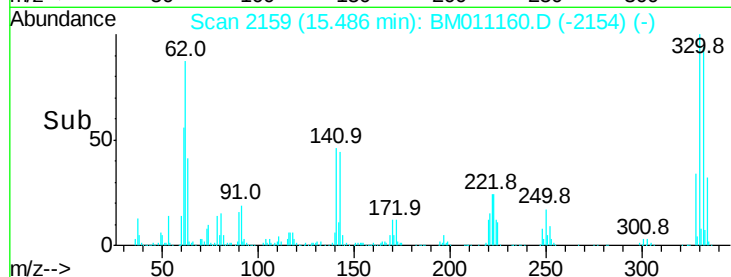
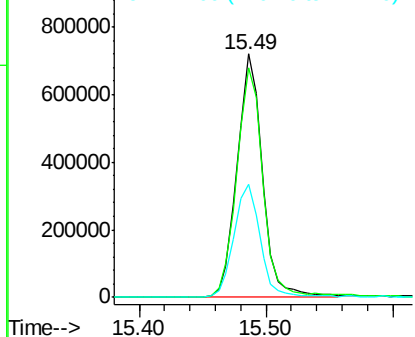


Abundance

Ion 329.80 (329.50 to 330.50): E

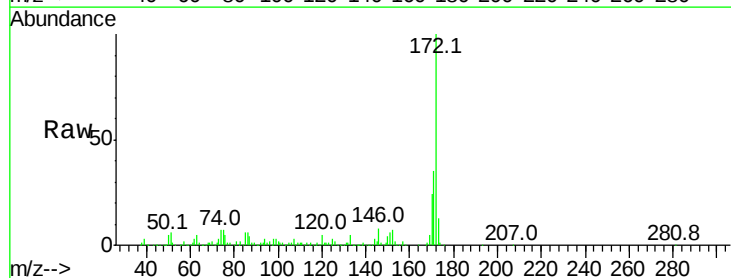
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 101.765 ng
 RT: 12.59 min Scan# 1666
 Delta R.T. -0.08 min
 Lab File: BM011160.D
 Acq: 07 Aug 2017 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	28.5	42.7	
170	23.6	18.8	28.2	

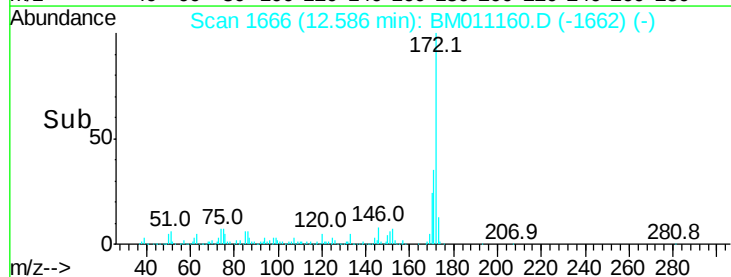
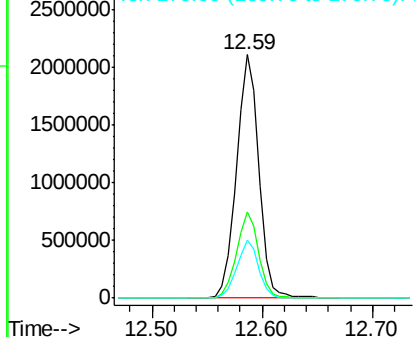


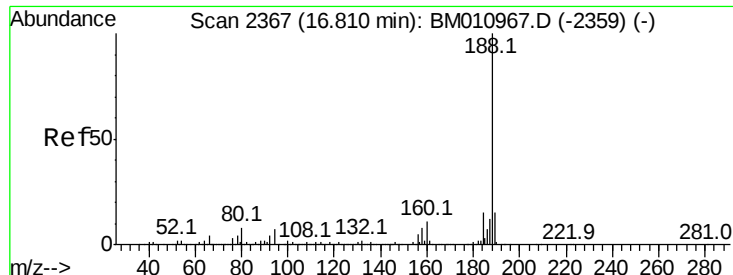
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





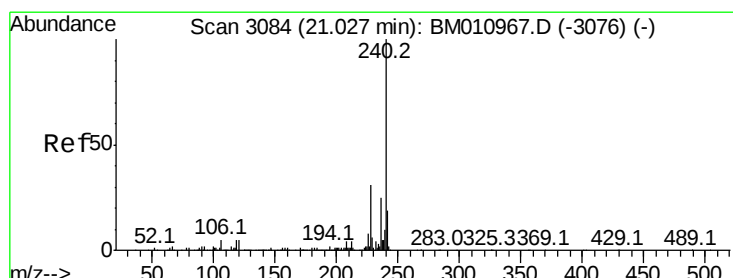
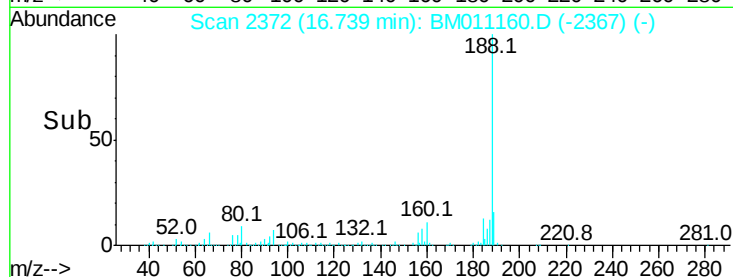
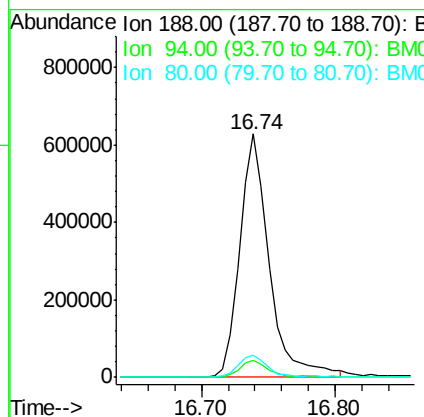
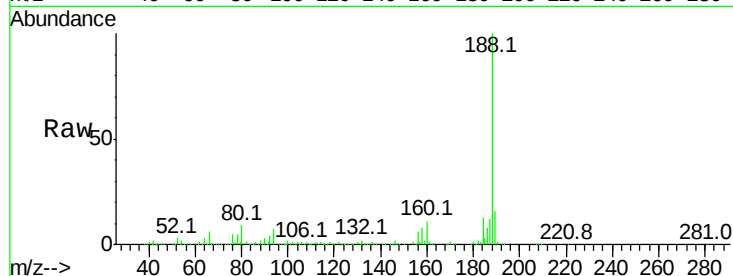
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2372
Delta R.T. -0.07 min
Lab File: BM011160.D
Acq: 07 Aug 2017 19:54

Instrument :
BNA_M
ClientSampleId :
EO-01-080317-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.1	8.7	13.1#
80	9.0	9.3	13.9#

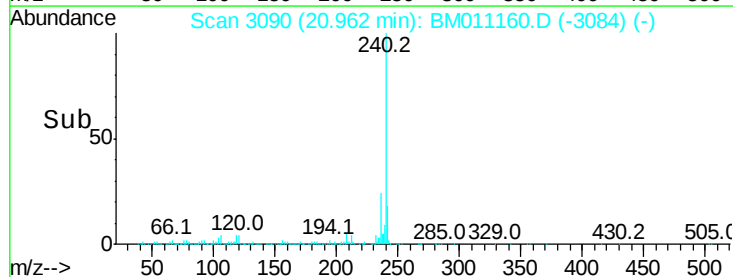
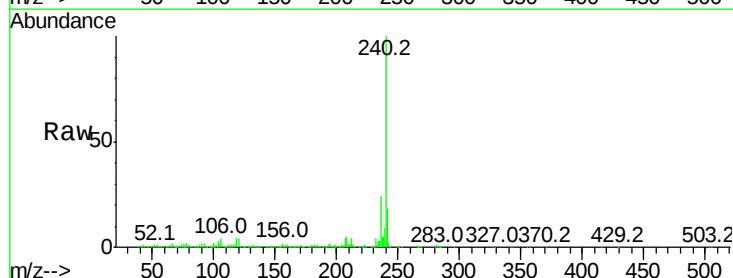
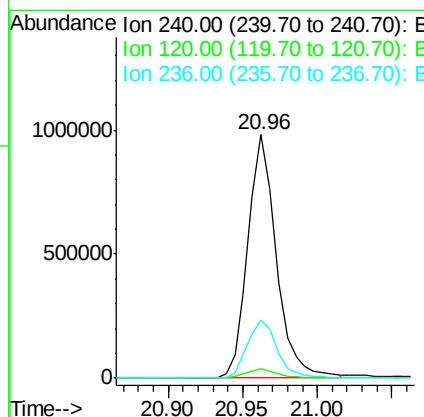
Manual Integrations
APPROVED

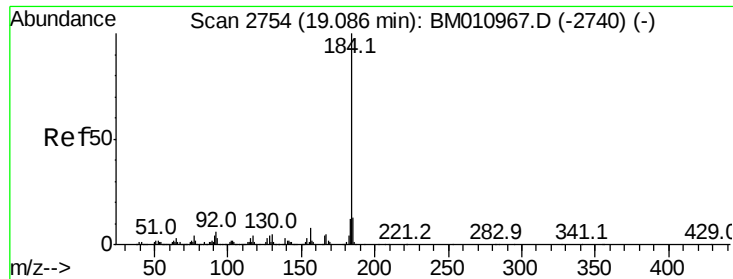
Sohil
8/10/2017 6:12:57 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 20.96 min Scan# 3090
Delta R.T. -0.06 min
Lab File: BM011160.D
Acq: 07 Aug 2017 19:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	4.1	8.2	12.2#
236	24.0	20.0	30.0





#76

Benzidine

Concen: 5.229 ng/mL

RT: 19.05 min Scan# 2765

Delta R.T. -0.04 min

Lab File: BM011160.D

Acq: 07 Aug 2017 19:54

Instrument :

BNA_M

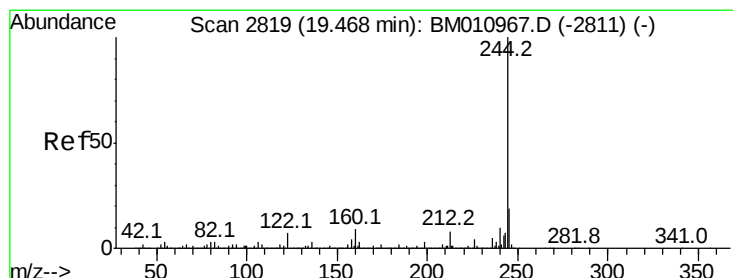
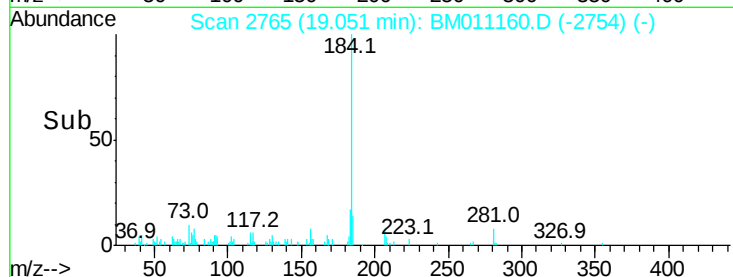
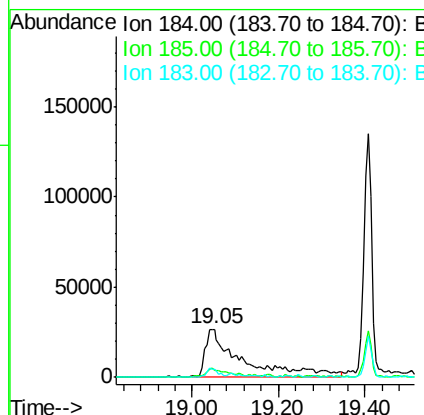
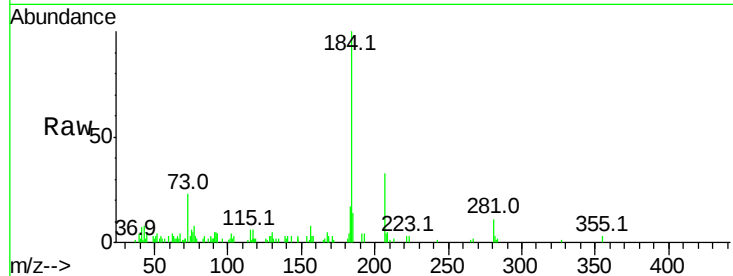
ClientSampleId :

EO-01-080317-B

Tot Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.3	16.9
183	17.3	8.9	13.3

Manual Integrations
APPROVED

Sohil
8/10/2017 6:12:57 PM



#78

Terphenyl-d14

Concen: 100.645 ng/mL

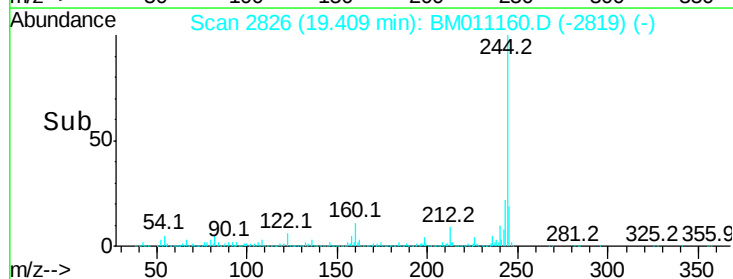
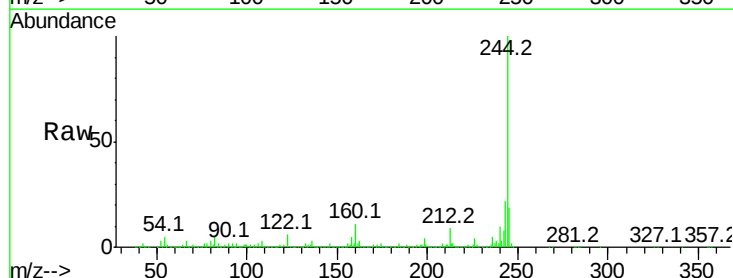
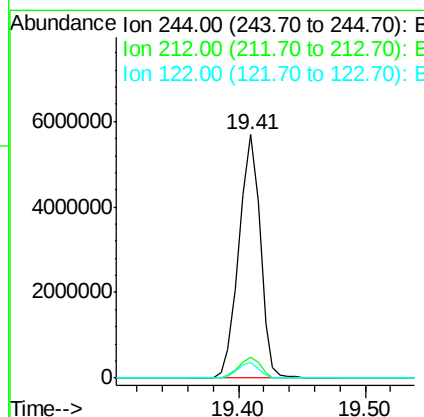
RT: 19.41 min Scan# 2826

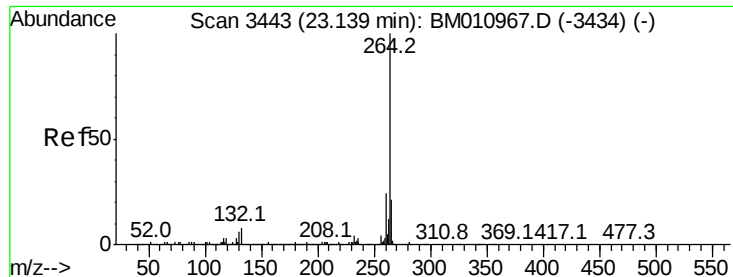
Delta R.T. -0.06 min

Lab File: BM011160.D

Acq: 07 Aug 2017 19:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	4.9	7.3
122	6.4	6.2	9.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.05 min Scan# 3445
 Delta R.T. -0.09 min
 Lab File: BM011160.D
 Acq: 07 Aug 2017 19:54

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-080317-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	21.8	17.3	25.9

Manual Integrations
 APPROVED

Sohil
 8/10/2017 6:12:57 PM

