

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
 Data File : BM020189.D
 Acq On : 08 May 2019 07:06
 Operator : JU/SJ
 Sample : K2673-08DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-14-COMPDL

Manual Integrations
 APPROVED

Sohil
 5/9/2019 6:44:41 PM

Quant Time: May 08 14:00:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	142131	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	552439	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	323108	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	703318	20.00	ng	0.00
76) Chrysene-d12	21.37	240	681625	20.00	ng	0.00
87) Perylene-d12	23.66	264	819881	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	131670	15.14	ng	0.00
7) Phenol-d6	6.96	99	185152	15.59	ng	0.00
23) Nitrobenzene-d5	8.96	82	128484	9.18	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	72036	14.36	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	245321	9.34	ng	0.00
79) Terphenyl-d14	19.80	244	320300	8.20	ng	0.00
Target Compounds						
31) Naphthalene	10.63	128	77228	2.694	ng	98
49) Acenaphthylene	14.16	152	128229	3.773	ng	97
55) Dibenzofuran	14.83	168	75313	2.291	ng	96
71) Phenanthrene	17.23	178	1167451	30.071	ng	99
72) Anthracene	17.32	178	122452	3.155	ng	98
73) Carbazole	17.59	167	91010	2.598	ng	99
75) Fluoranthene	19.24	202	1494771	30.430	ng	99
78) Pyrene	19.61	202	1241549	27.130	ng	100
81) Benzo(a)anthracene	21.35	228	479649	10.034	ng	99
83) Chrysene	21.40	228	545158	11.759	ng	97
86) Indeno(1,2,3-cd)pyrene	25.99	276	402689	7.303	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	778851m	14.386	ng	
89) Benzo(k)fluoranthene	23.01	252	263035m	5.326	ng	
90) Benzo(a)pyrene	23.56	252	517257	10.518	ng	# 93
92) Benzo(a,h,i)perylene	26.71	276	377723	7.779	ng	99

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

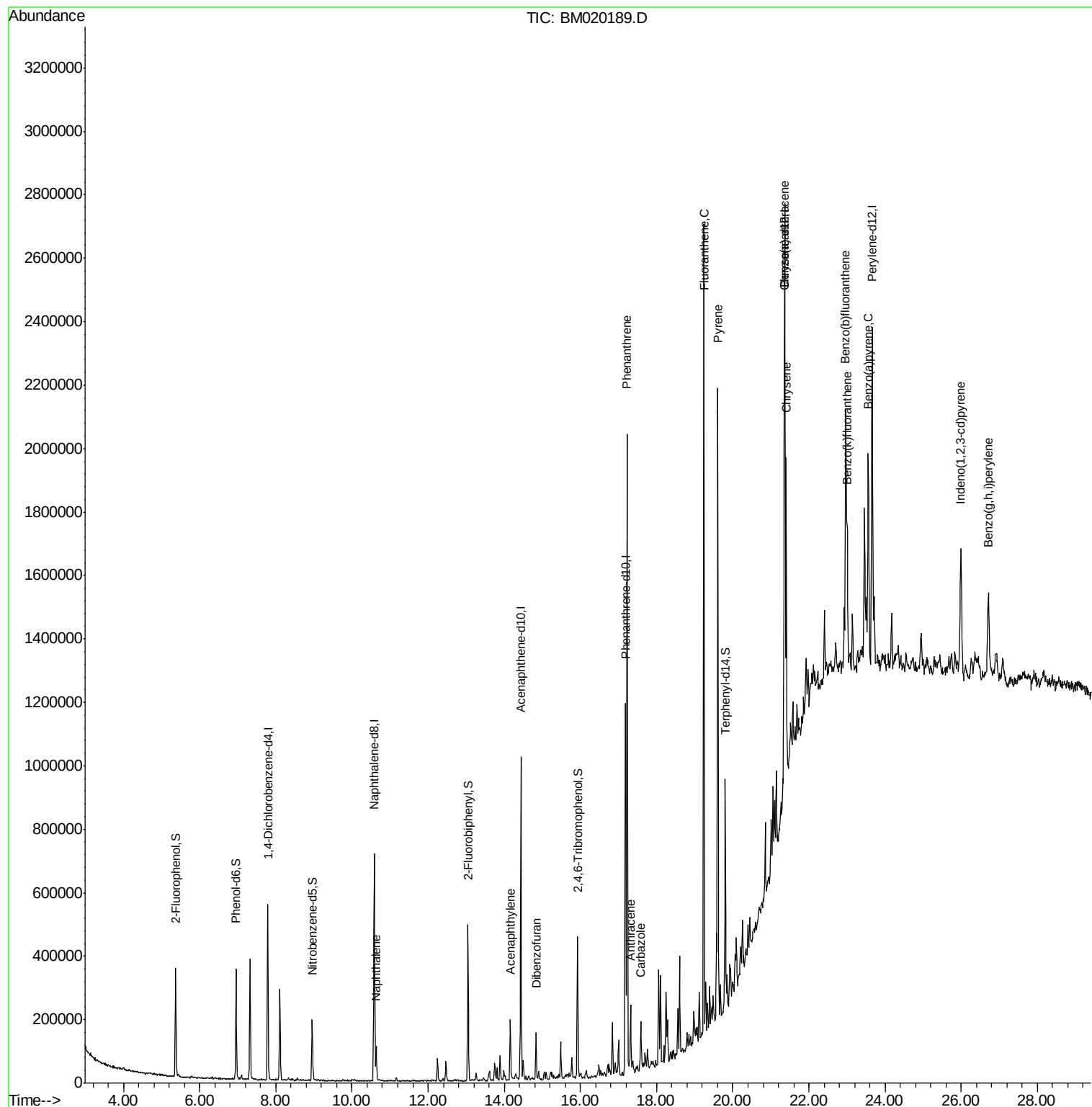
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050719\
Data File : BM020189.D
Acq On : 08 May 2019 07:06
Operator : JU/SJ
Sample : K2673-08DL 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

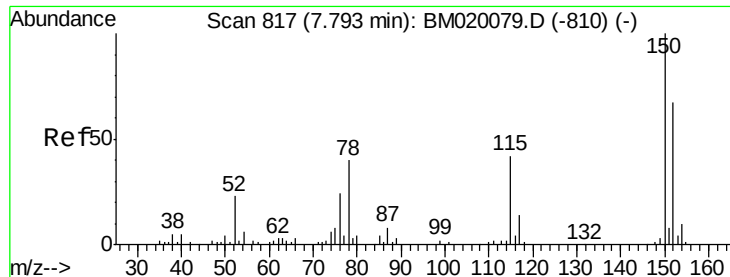
Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Manual Integrations
APPROVED

Sohil
5/9/2019 6:44:41 PM

Quant Time: May 08 14:00:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration





#1

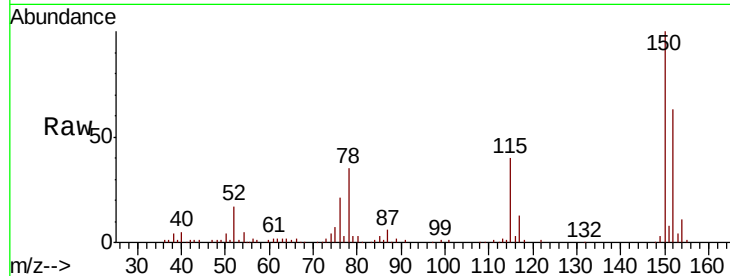
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	119.8	179.8
115	64.4	50.8	76.2

Manual Integrations
APPROVED

Sohil
5/9/2019 6:44:41 PM

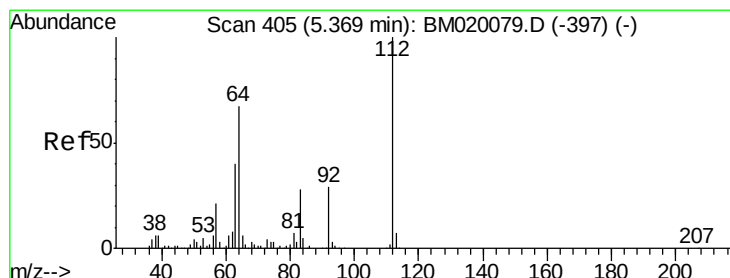
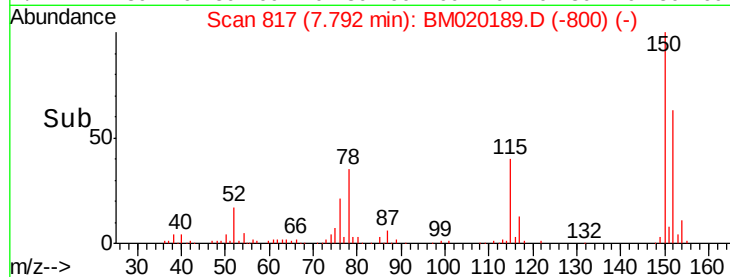
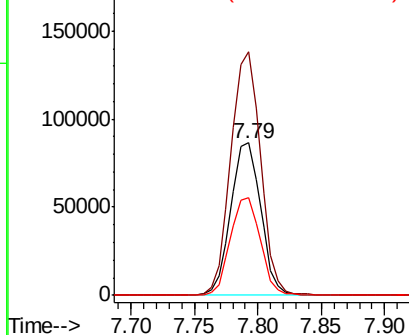


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

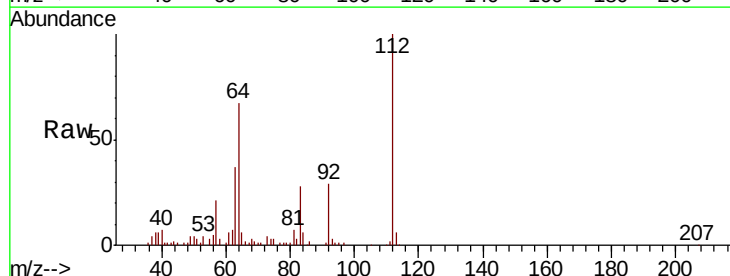
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 15.143 ng
RT: 5.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	53.8	80.6
63	37.2	32.3	48.5

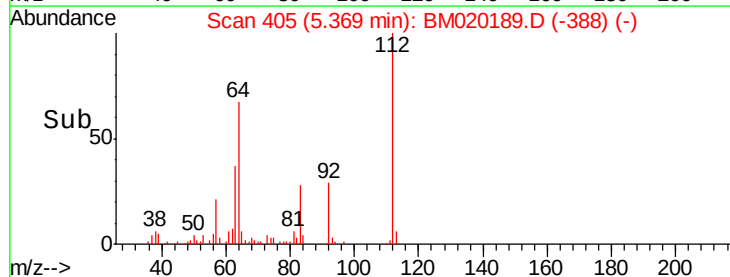
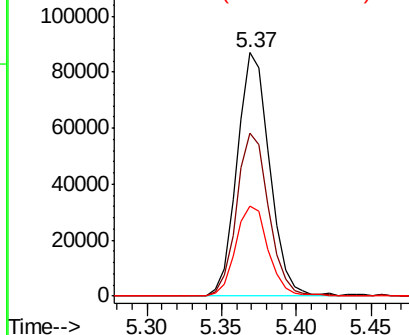


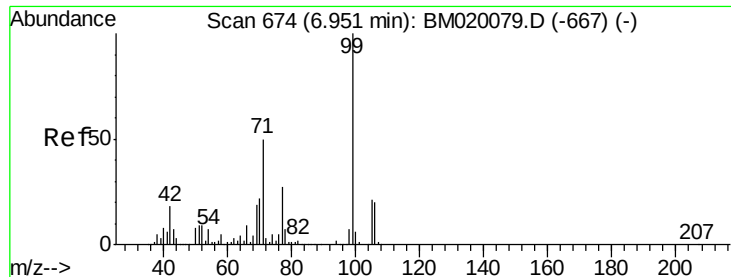
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 15.587 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020189.D

Acq: 08 May 2019 07:06

Instrument :

BNA_M

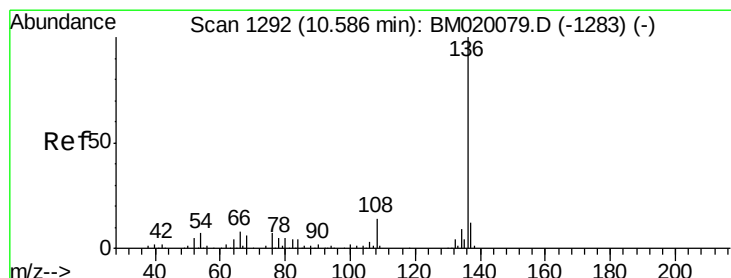
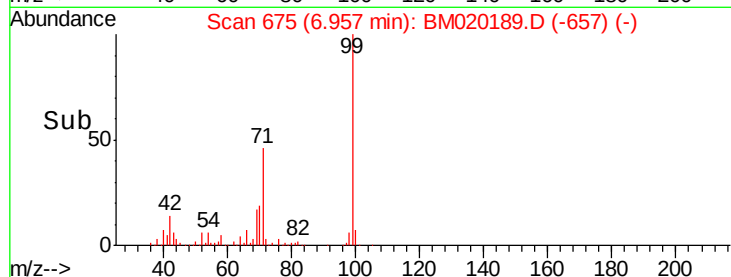
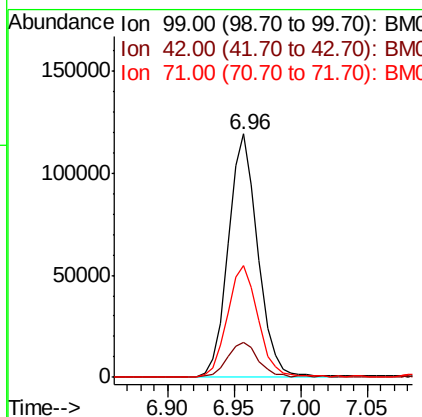
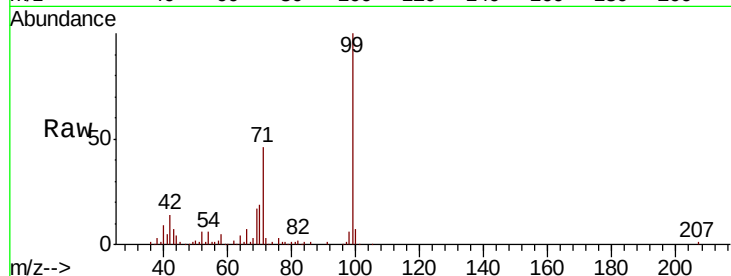
ClientSampleId :

SB-14-COMPDL

Tot Ion:	99	Resp:	185152
Ion Ratio	Lower	Upper	
99	100		
42	14.2	14.2	21.2
71	45.9	40.3	60.5

Manual Integrations
APPROVED

Sohil
5/9/2019 6:44:41 PM



#21

Naphthalene-d8

Concen: 20.000 ng

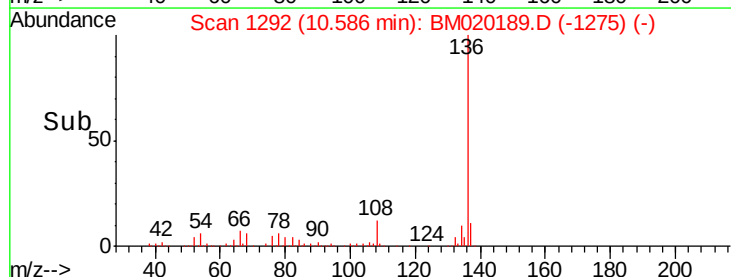
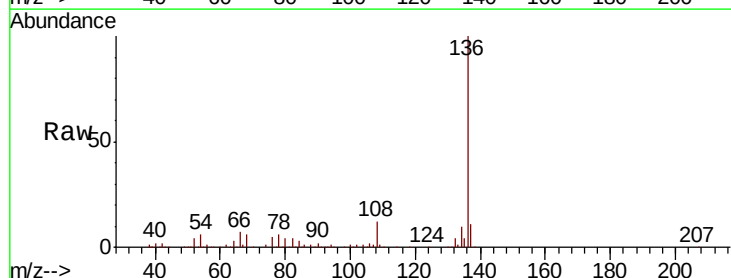
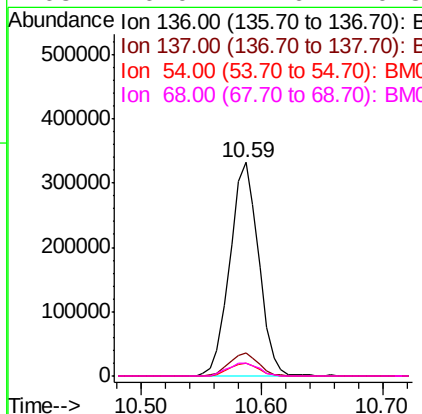
RT: 10.59 min Scan# 1292

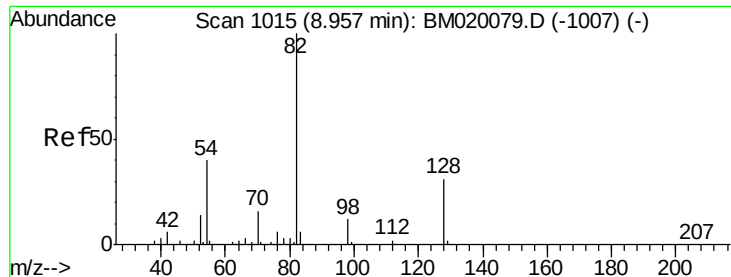
Delta R.T. -0.00 min

Lab File: BM020189.D

Acq: 08 May 2019 07:06

Tgt Ion:	136	Resp:	552439
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.6	14.4
54	5.8	5.5	8.3
68	6.0	4.6	6.8





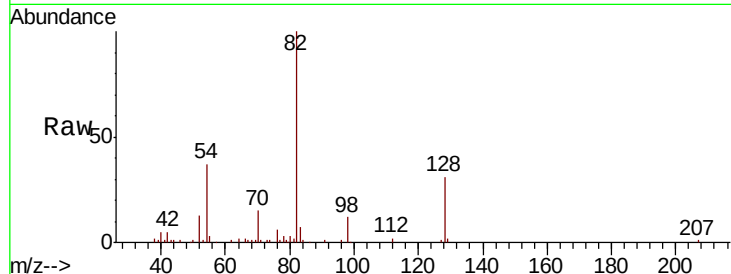
#23
Nitrobenzene-d5
Concen: 9.182 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	30.9	25.2	37.8
54	37.2	31.9	47.9

Manual Integrations
APPROVED

Sohil
5/9/2019 6:44:41 PM

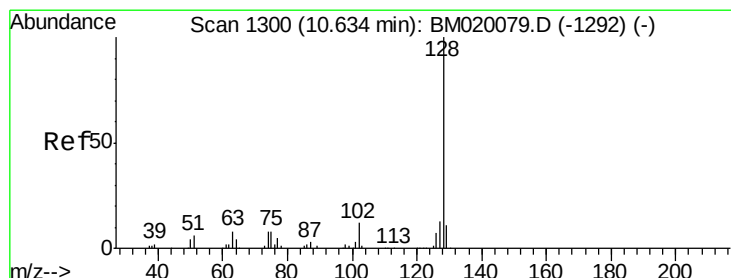
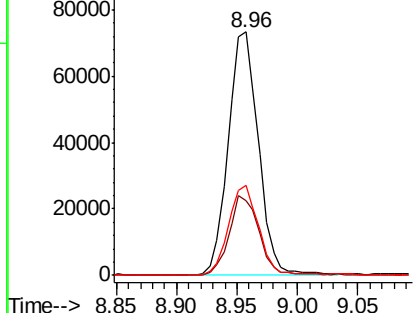
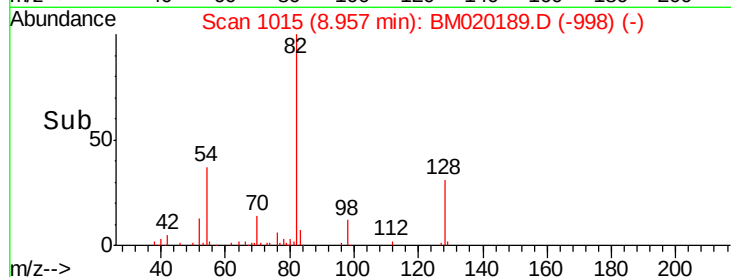


Abundance

Ion 82.00 (81.70 to 82.70): BM020189.D (-998) (-)

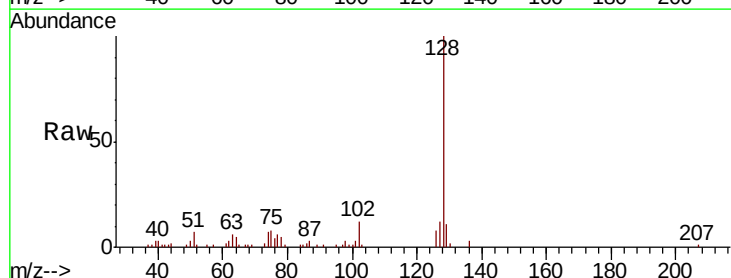
Ion 128.00 (127.70 to 128.70): BM020189.D (-998) (-)

Ion 54.00 (53.70 to 54.70): BM020189.D (-998) (-)



#31
Naphthalene
Concen: 2.694 ng
RT: 10.63 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	12.0	10.4	15.6

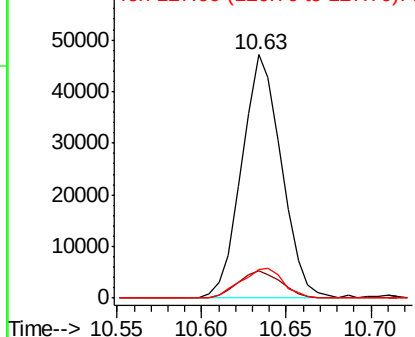
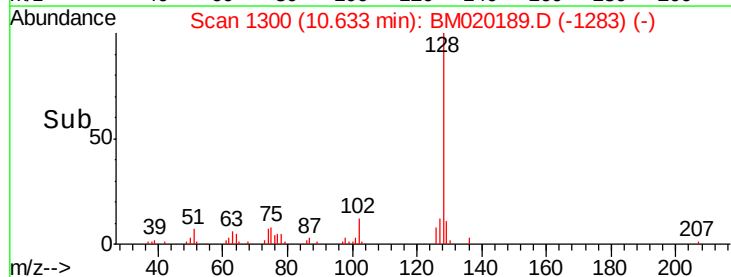


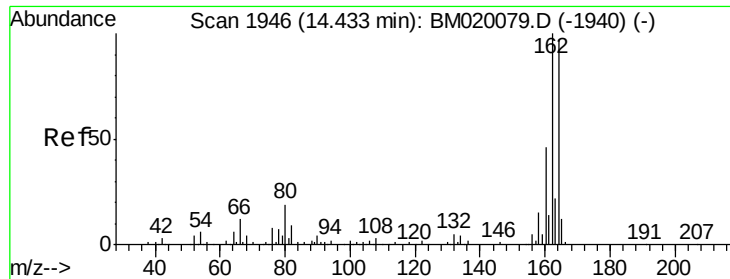
Abundance

Ion 128.00 (127.70 to 128.70): BM020189.D (-1283) (-)

Ion 129.00 (128.70 to 129.70): BM020189.D (-1283) (-)

Ion 127.00 (126.70 to 127.70): BM020189.D (-1283) (-)





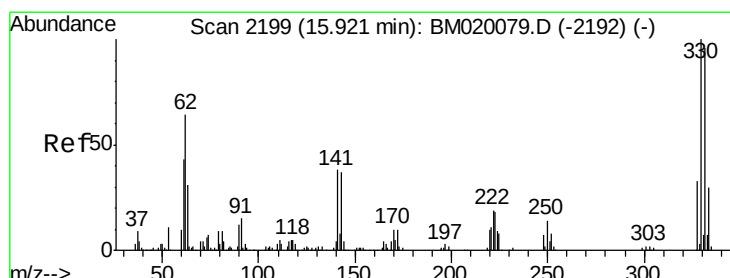
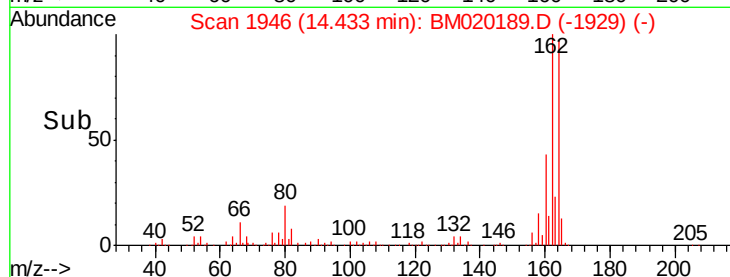
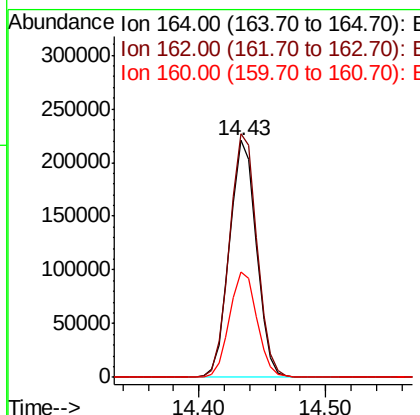
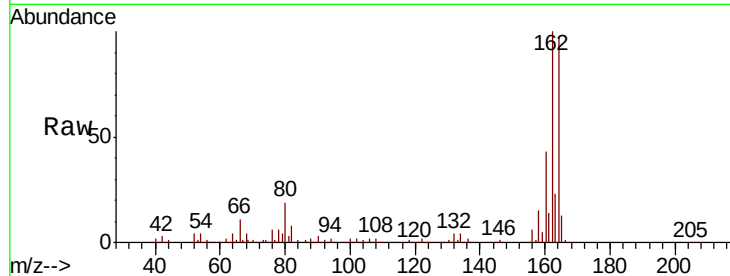
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	44.6	37.6	56.4

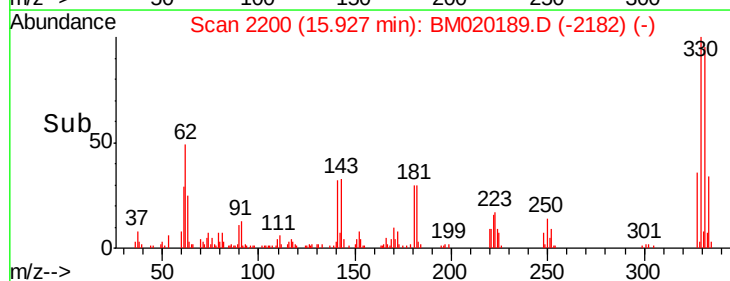
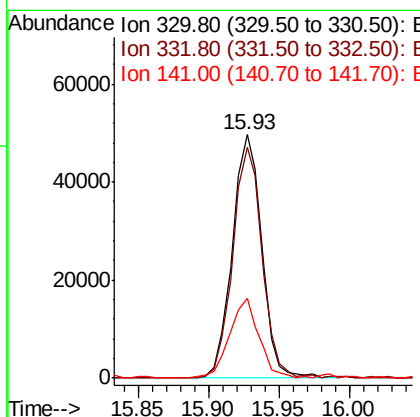
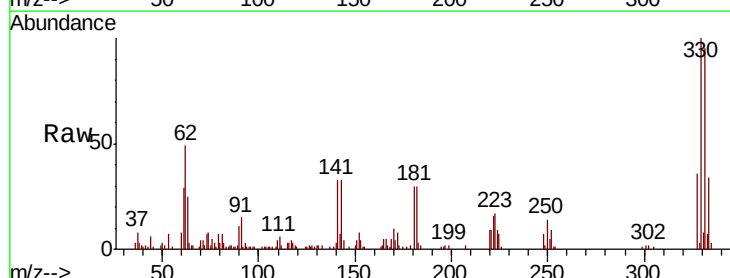
Manual Integrations
APPROVED

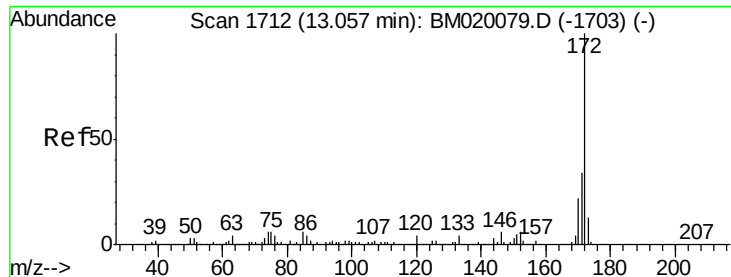
Sohil
5/9/2019 6:44:41 PM



#42
2,4,6-Tribromophenol
Concen: 14.363 ng
RT: 15.93 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.8	115.2
141	32.7	29.2	43.8





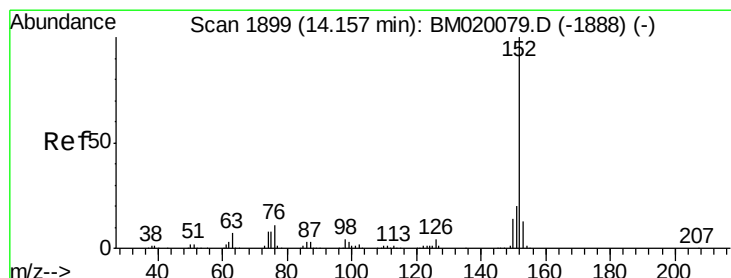
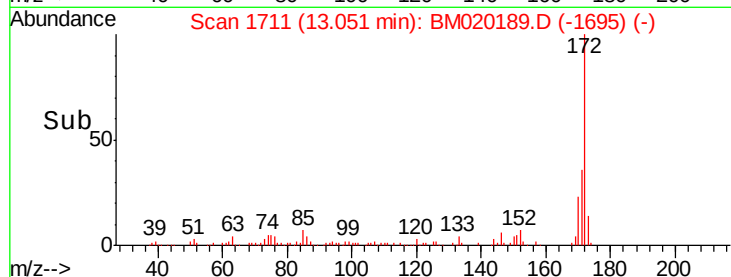
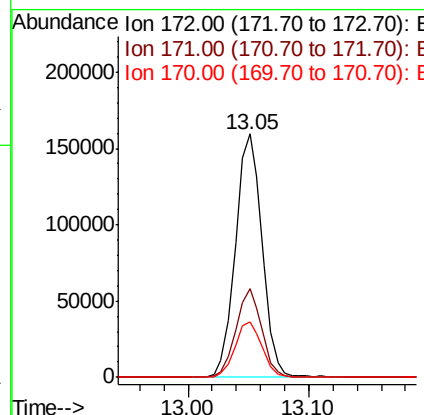
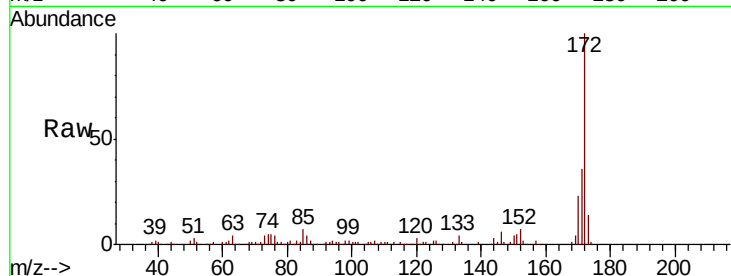
#45
2-Fluorobiphenyl
Concen: 9.342 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	27.3	40.9
170	22.9	17.9	26.9

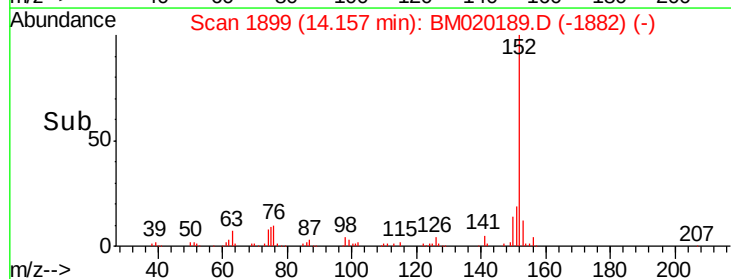
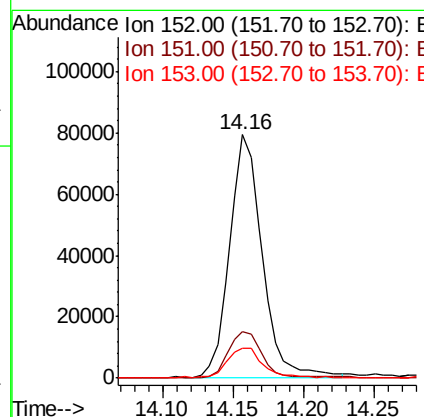
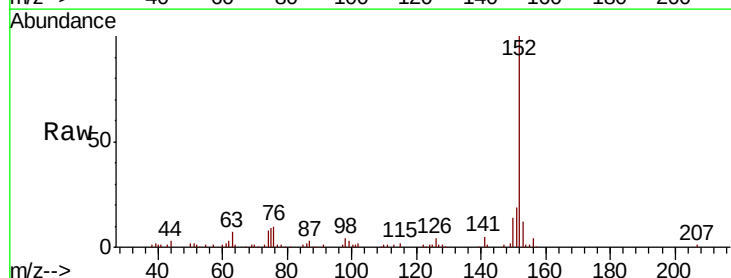
Manual Integrations
APPROVED

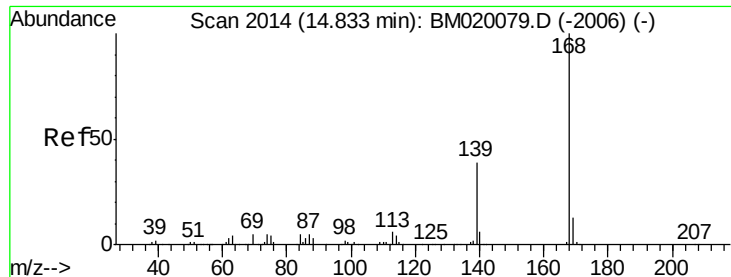
Sohil
5/9/2019 6:44:41 PM



#49
Acenaphthylene
Concen: 3.773 ng
RT: 14.16 min Scan# 1899
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.2
153	12.1	10.6	16.0





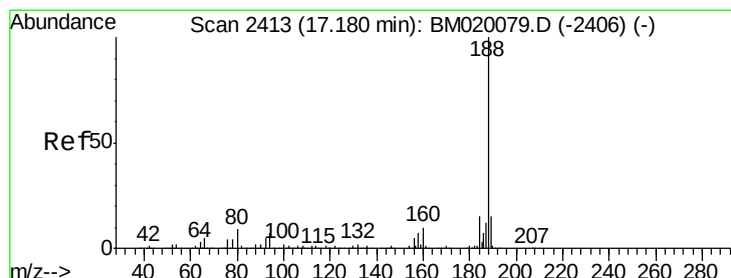
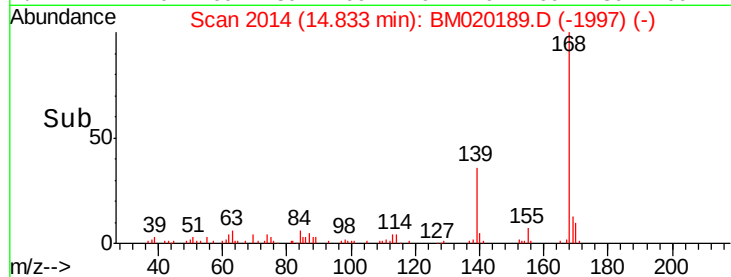
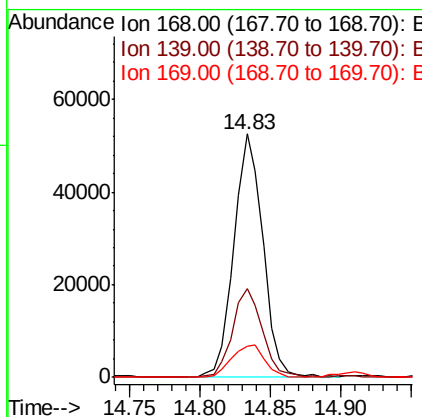
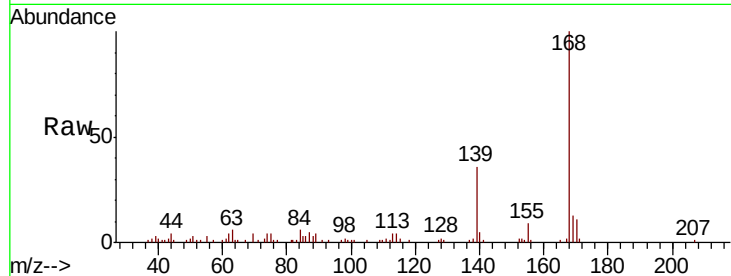
#55
Dibenzofuran
Concen: 2.291 ng
RT: 14.83 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	31.1	46.7
169	12.7	10.6	16.0

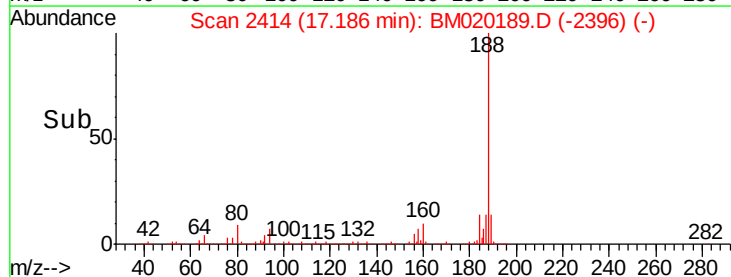
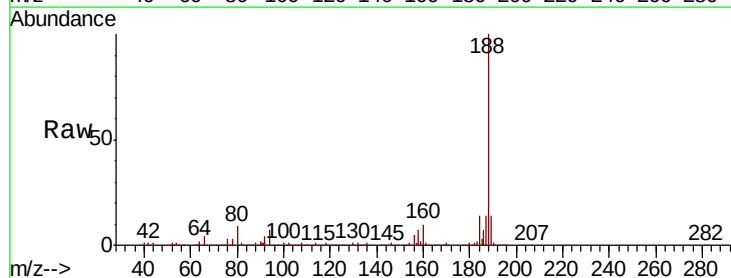
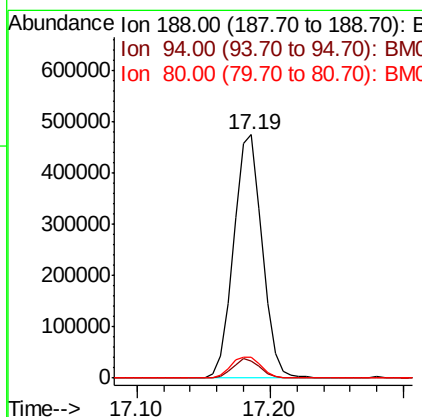
Manual Integrations
APPROVED

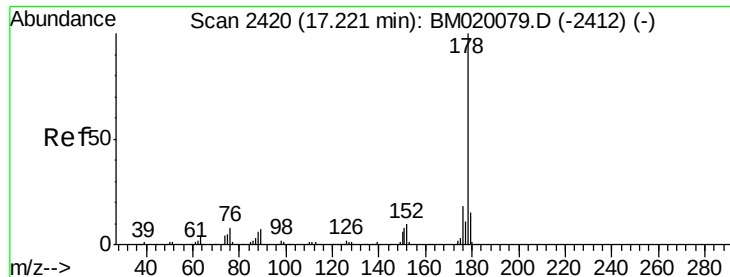
Sohil
5/9/2019 6:44:41 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.6	7.4	11.2





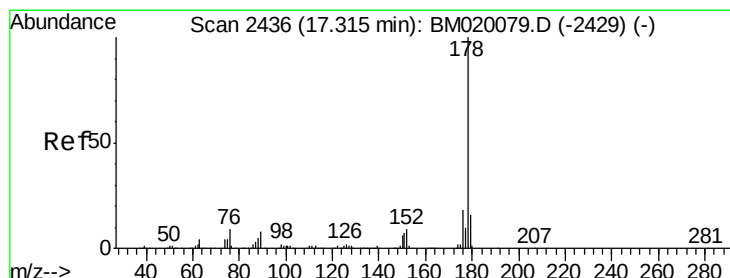
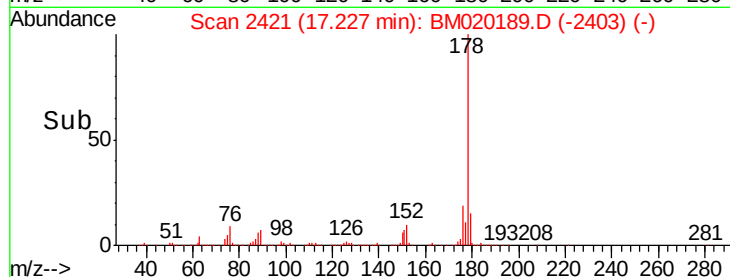
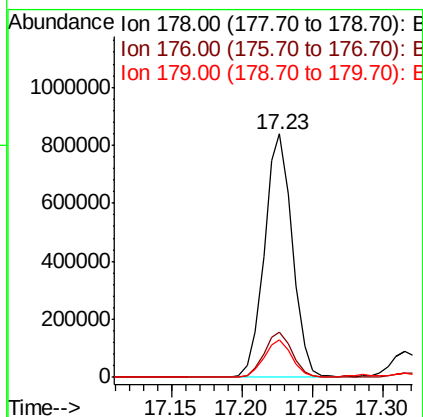
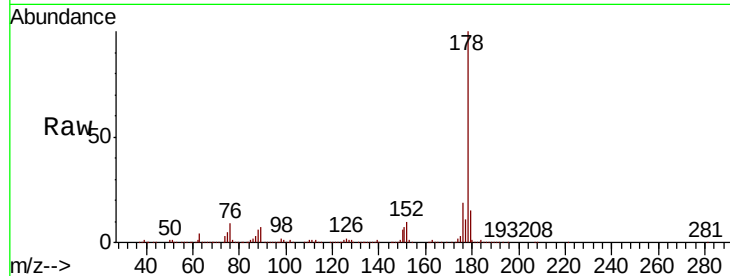
#71
Phenanthrene
Concen: 30.071 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	15.4	12.4	18.6

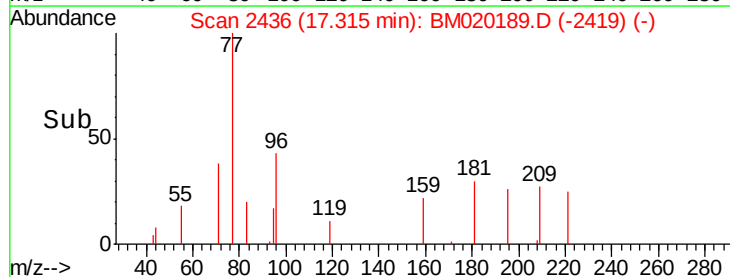
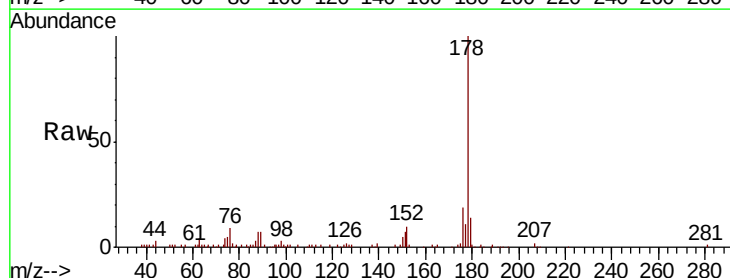
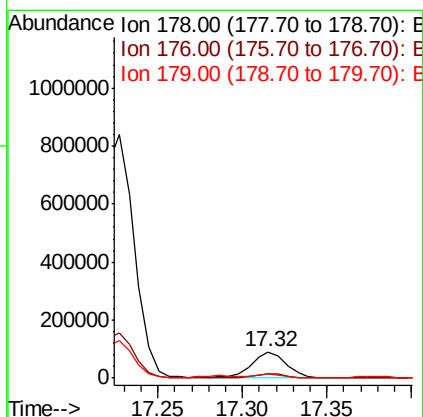
Manual Integrations
APPROVED

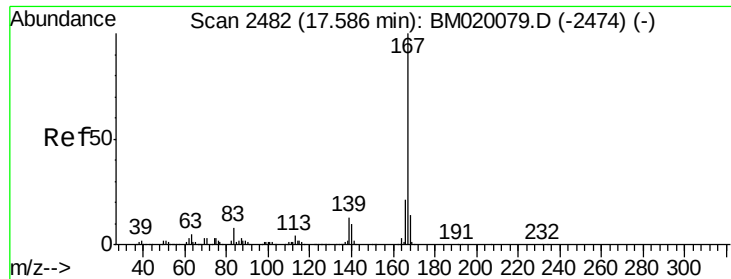
Sohil
5/9/2019 6:44:41 PM



#72
Anthracene
Concen: 3.155 ng
RT: 17.32 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	14.3	12.4	18.6





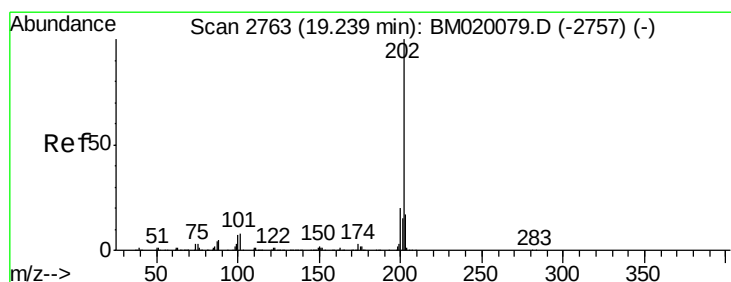
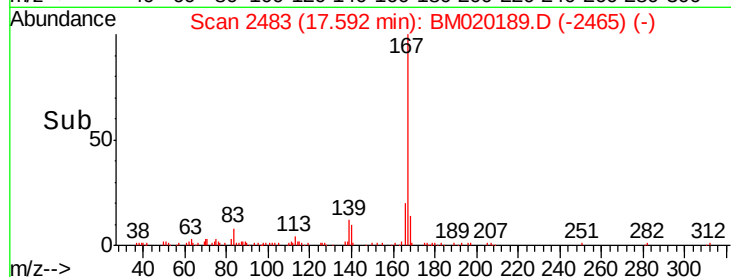
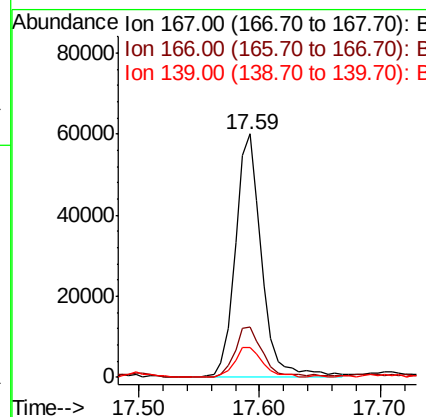
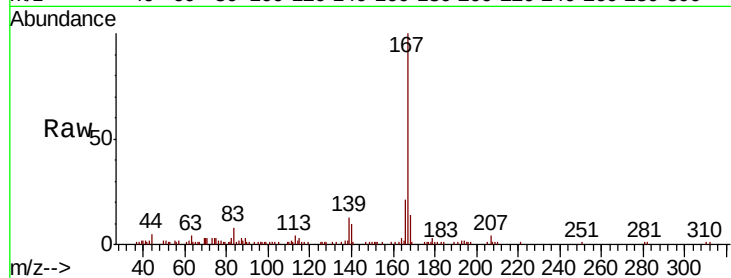
#73
 Carbazole
 Concen: 2.598 ng
 RT: 17.59 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BM020189.D
 Acq: 08 May 2019 07:06

Instrument :
 BNA_M
 ClientSampleId :
 SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	12.5	10.6	16.0

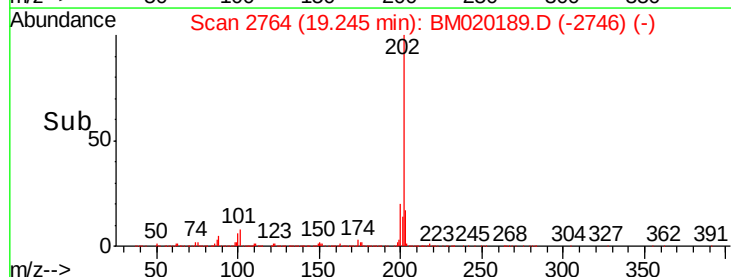
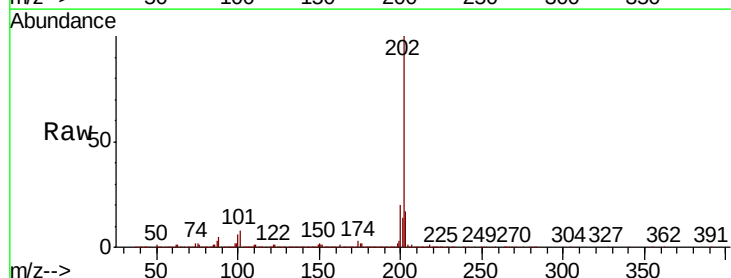
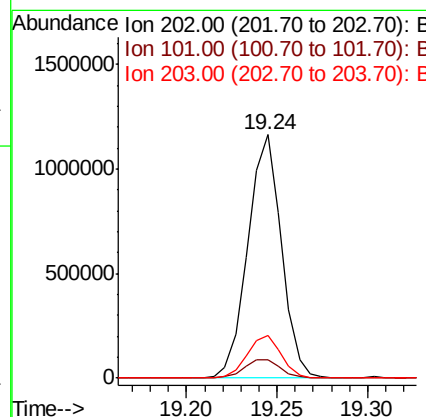
Manual Integrations
 APPROVED

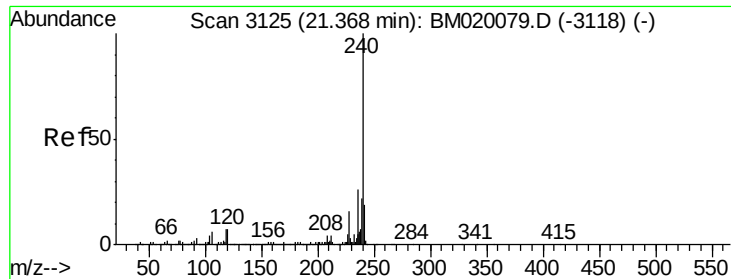
Sohil
 5/9/2019 6:44:41 PM



#75
 Fluoranthene
 Concen: 30.430 ng
 RT: 19.24 min Scan# 2764
 Delta R.T. 0.01 min
 Lab File: BM020189.D
 Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	28.4
203	17.4	0.0	37.4





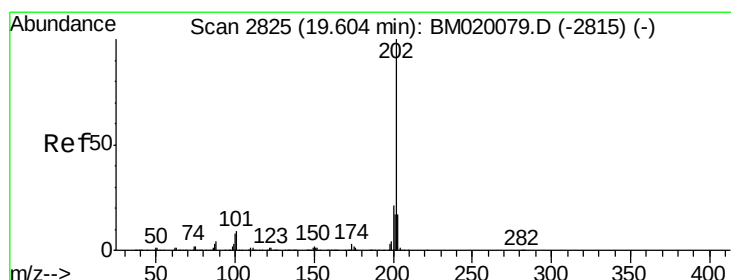
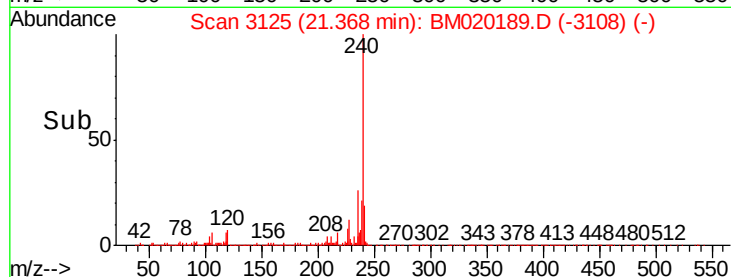
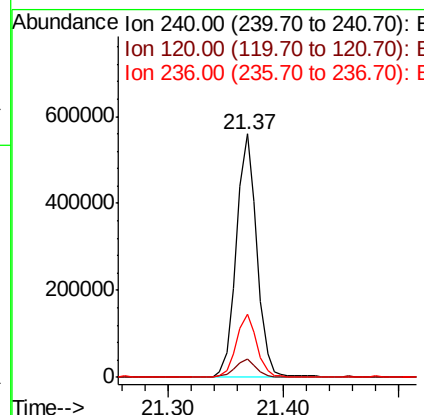
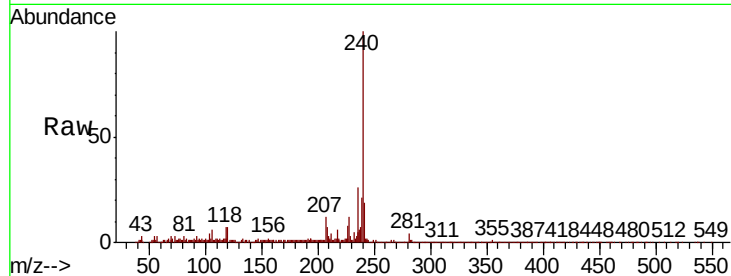
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.37 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.4	5.6	8.4
236	25.8	20.9	31.3

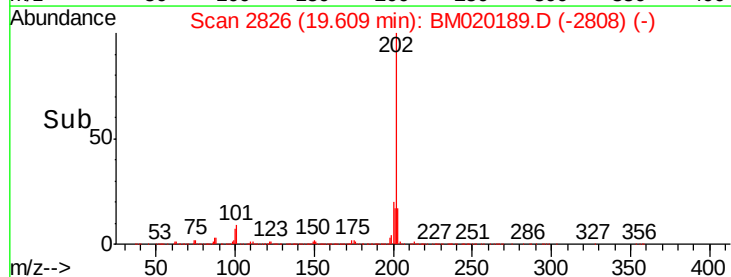
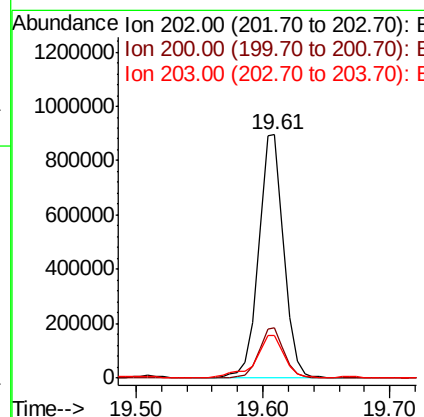
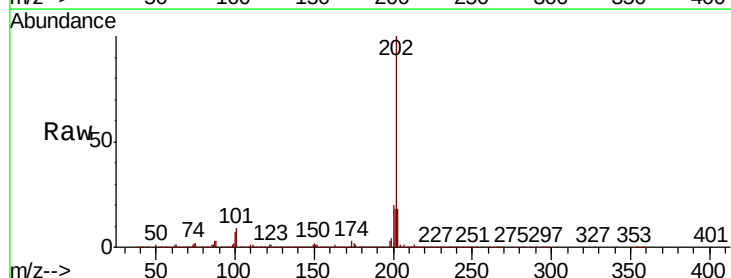
Manual Integrations
APPROVED

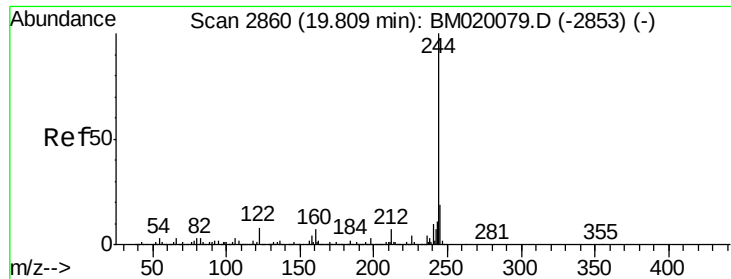
Sohil
5/9/2019 6:44:41 PM



#78
Pyrene
Concen: 27.130 ng
RT: 19.61 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	17.6	13.9	20.9





#79

Terphenyl-d14

Concen: 8.196 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020189.D

Acq: 08 May 2019 07:06

Instrument :

BNA_M

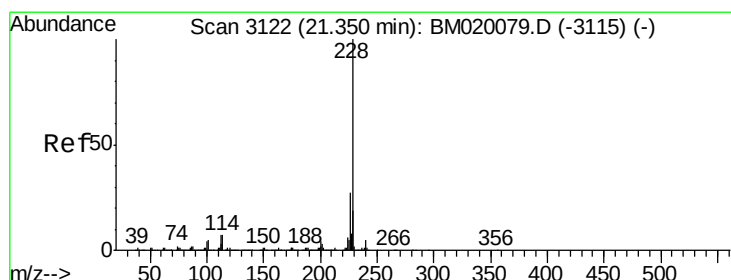
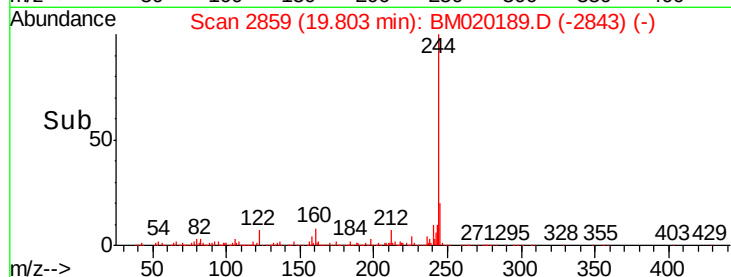
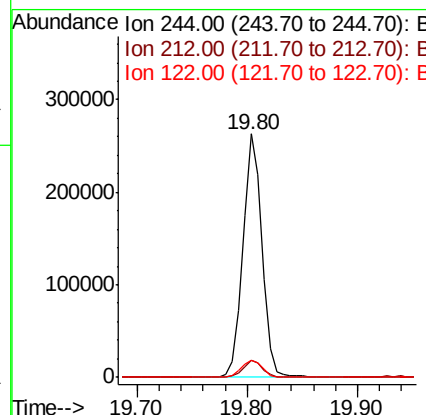
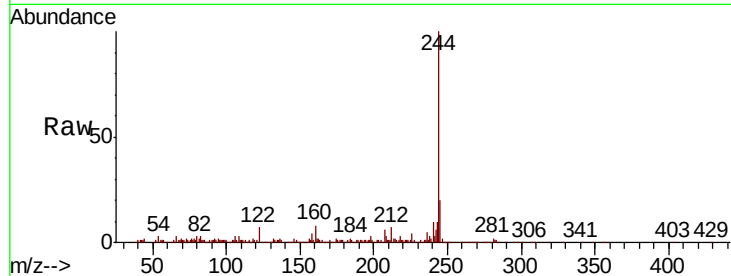
ClientSampleId :

SB-14-COMPDL

Tot Ion:	244	Resp:	320300
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.7	8.5
122	7.1	6.2	9.2

Manual Integrations
APPROVED

Sohil
5/9/2019 6:44:41 PM



#81

Benzo(a)anthracene

Concen: 10.034 ng

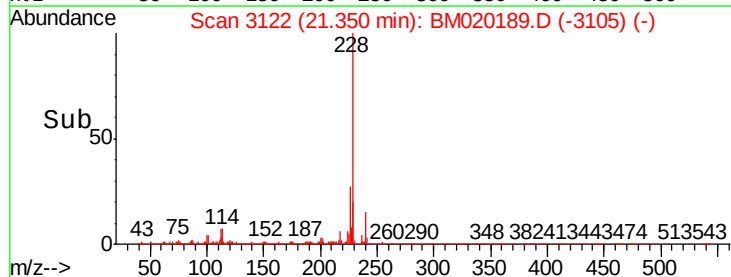
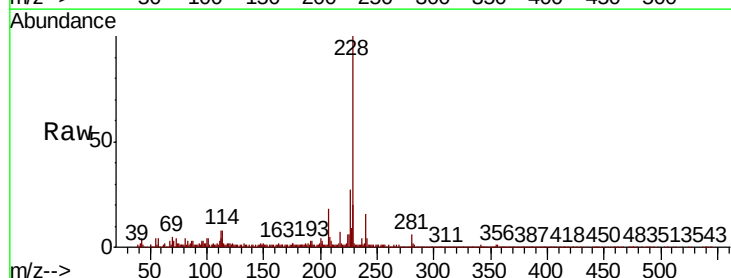
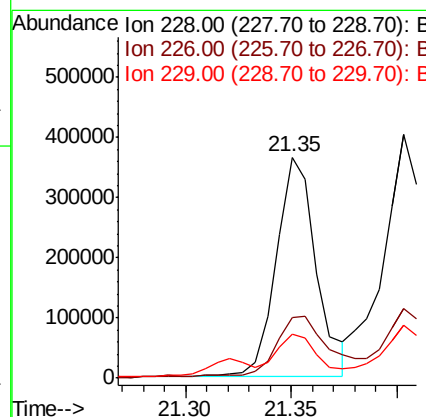
RT: 21.35 min Scan# 3122

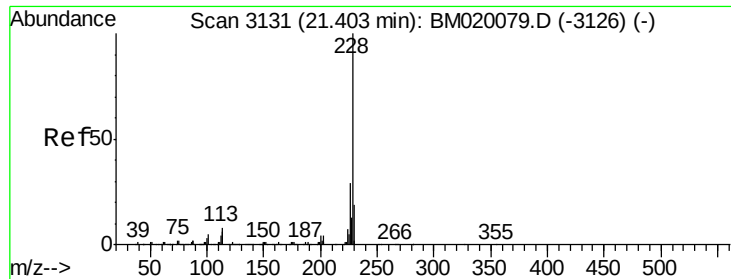
Delta R.T. -0.00 min

Lab File: BM020189.D

Acq: 08 May 2019 07:06

Tgt Ion:	228	Resp:	479649
Ion Ratio		Lower	Upper
228	100		
226	27.2	21.3	31.9
229	20.1	15.5	23.3





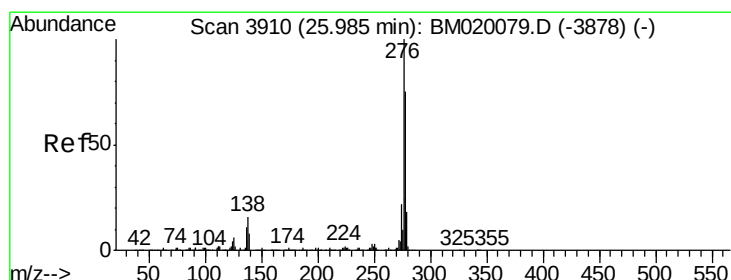
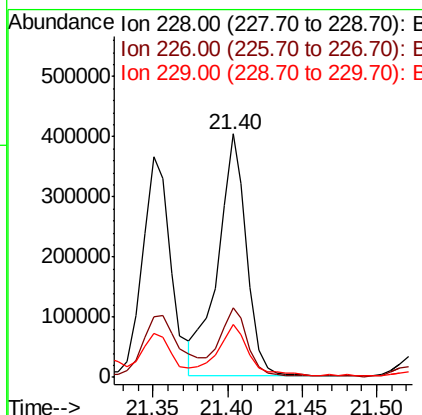
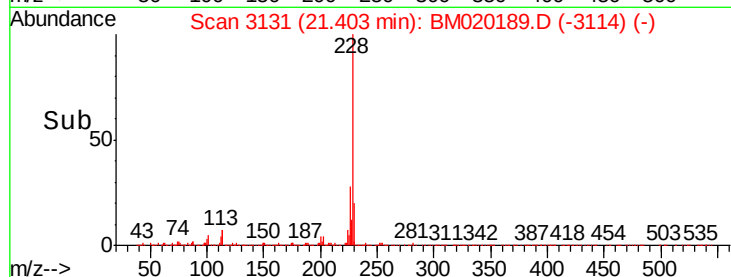
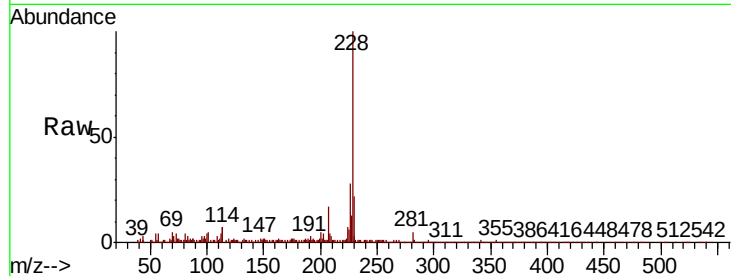
#83
Chrysene
Concen: 11.759 ng
RT: 21.40 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.0	34.6
229	22.0	15.5	23.3

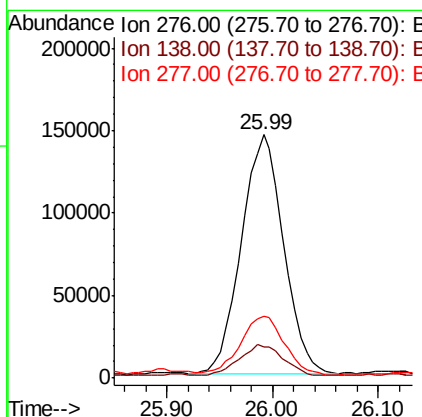
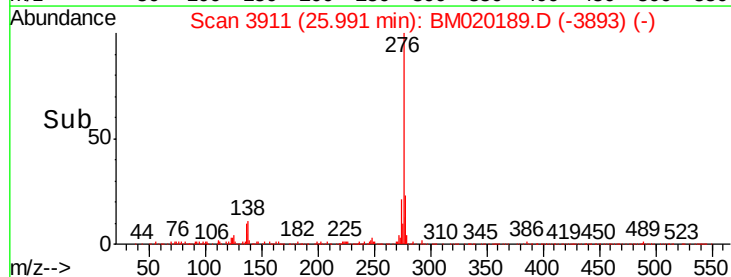
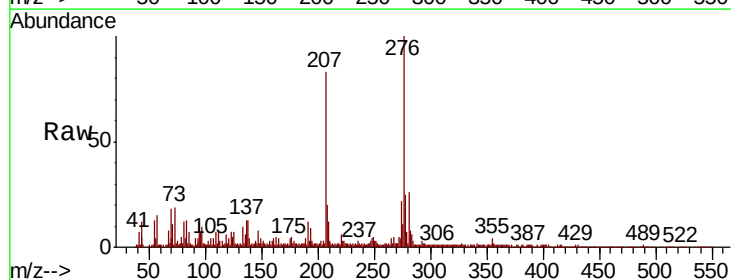
Manual Integrations
APPROVED

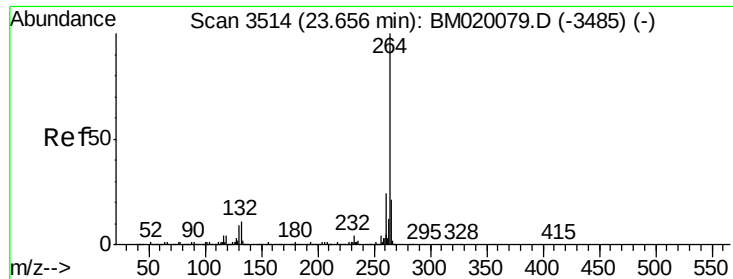
Sohil
5/9/2019 6:44:41 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.303 ng
RT: 25.99 min Scan# 3911
Delta R.T. 0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.5	0.0	0.0#
277	25.3	0.0	0.0#





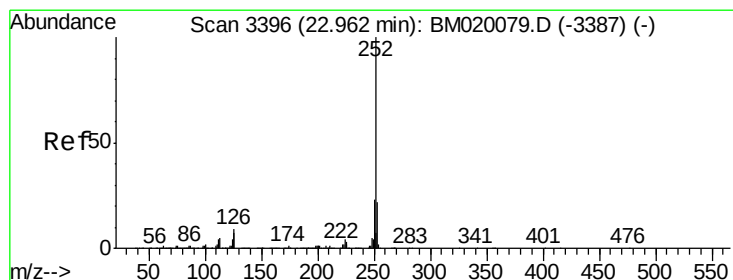
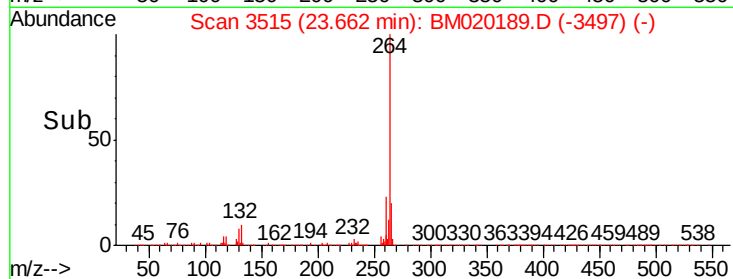
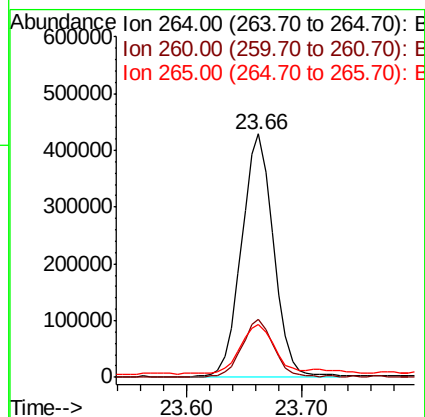
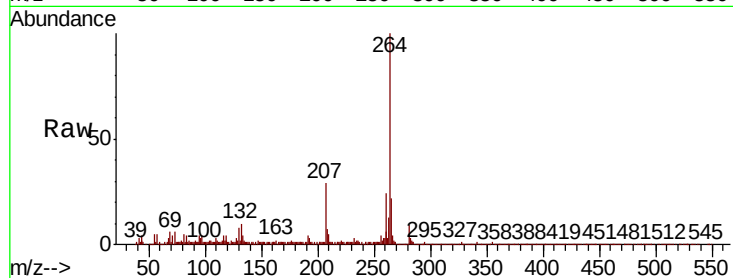
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3515
Delta R.T. 0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion:	264	Resp:	819881
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.8	16.9	25.3

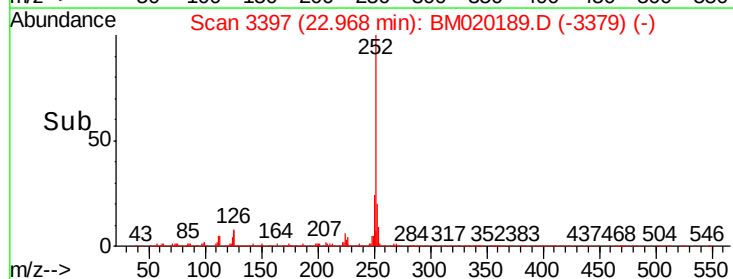
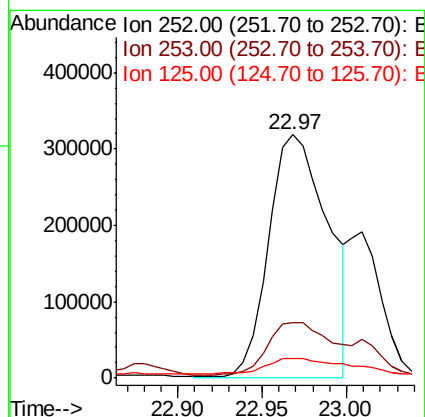
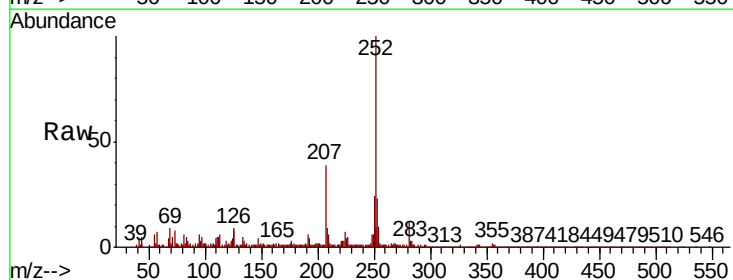
Manual Integrations
APPROVED

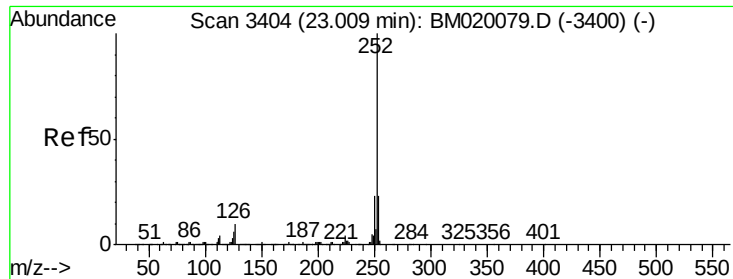
Sohil
5/9/2019 6:44:41 PM



#88
Benzo(b)fluoranthene
Concen: 14.386 ng m
RT: 22.97 min Scan# 3397
Delta R.T. 0.01 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion:	252	Resp:	778851
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	8.1	5.4	8.2





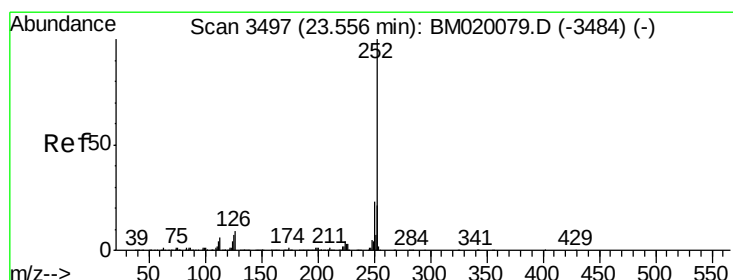
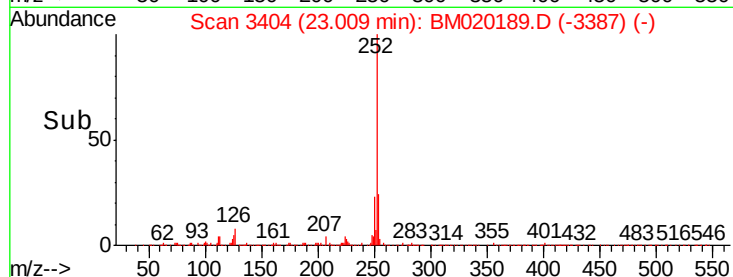
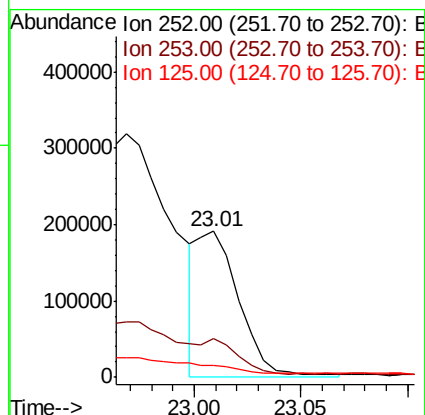
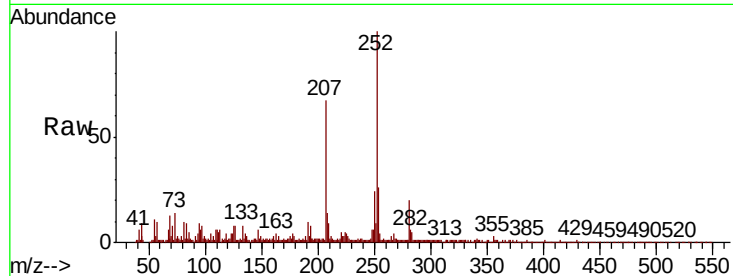
#89
Benzo(k)fluoranthene
Concen: 5.326 ng m
RT: 23.01 min Scan# 3404
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Instrument :
BNA_M
ClientSampleId :
SB-14-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.8	26.8
125	8.4	5.4	8.0

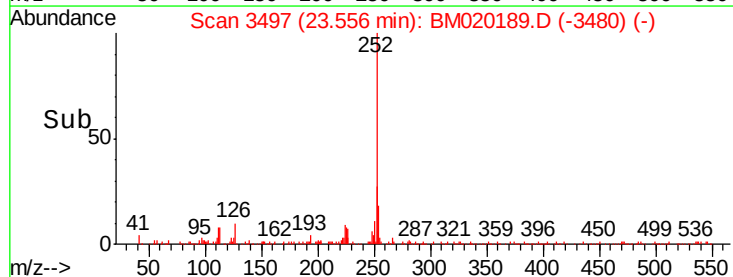
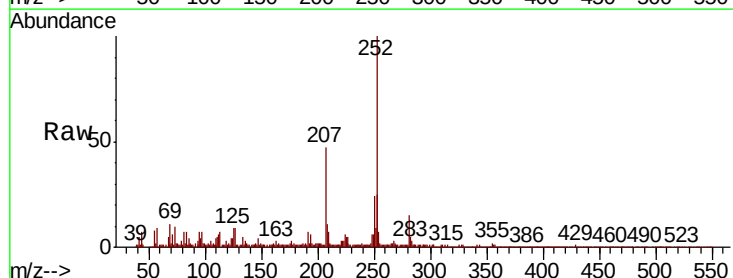
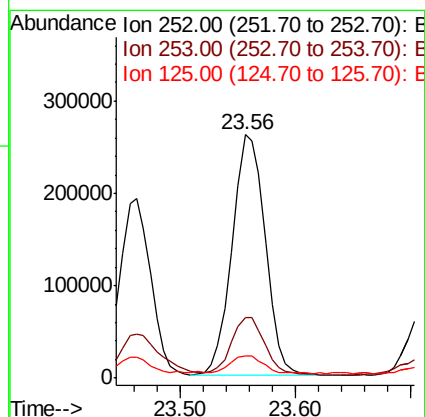
Manual Integrations
APPROVED

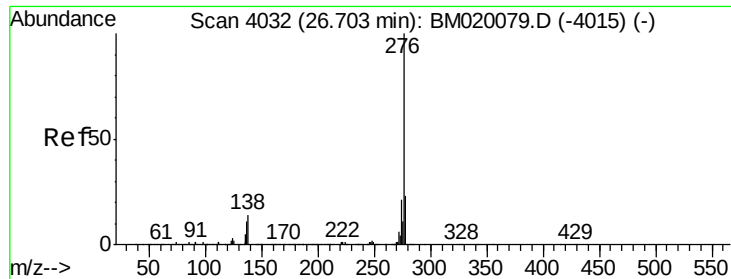
Sohil
5/9/2019 6:44:41 PM



#90
Benzo(a)pyrene
Concen: 10.518 ng
RT: 23.56 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BM020189.D
Acq: 08 May 2019 07:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	9.3	5.5	8.3





#92

Benzo(a,h,i)perylene

Concen: 7.779 ng

RT: 26.71 min Scan# 4034

Delta R.T. 0.01 min

Lab File: BM020189.D

Acq: 08 May 2019 07:06

Instrument :

BNA_M

ClientSampleId :

SB-14-COMPDL

Tot Ion:	276	Resp:	377723
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.4	27.6
138	13.9	11.1	16.7

Manual Integrations
APPROVED

Sohil
5/9/2019 6:44:41 PM

