

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
 Data File : BM017914.D
 Acq On : 04 Dec 2018 22:11
 Operator : JU/SJ
 Sample : J5771-09 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-02-112918-B

Manual Integrations
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mohammad
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Quant Time: Dec 05 01:13:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 18:37:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	267704	20.00	ng	-0.04
21) Naphthalene-d8	10.35	136	1002746	20.00	ng	-0.04
39) Acenaphthene-d10	14.23	164	471319	20.00	ng	-0.04
64) Phenanthrene-d10	16.99	188	877689	20.00	ng	-0.03
76) Chrysene-d12	21.20	240	925359	20.00	ng	-0.02
87) Perylene-d12	23.39	264	1018955	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	673257	42.44	ng	-0.03
7) Phenol-d6	6.77	99	909455	41.05	ng	-0.03
23) Nitrobenzene-d5	8.73	82	530799	27.33	ng	-0.04
42) 2,4,6-Tribromophenol	15.73	330	255646	37.75	ng	-0.03
45) 2-Fluorobiphenyl	12.84	172	1073010	29.54	ng	-0.04
79) Terphenyl-d14	19.64	244	1132781	27.74	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.80	94	51747	2.225	ng	96
31) Naphthalene	10.40	128	246314	4.996	ng	98
37) 2-Methylnaphthalene	12.02	142	241293	6.925	ng	98
38) 1-Methylnaphthalene	12.25	142	172453	5.048	ng	100
50) Dimethylphthalate	13.70	163	91680	2.392	ng	# 99
52) Acenaphthene	14.29	154	130463	4.506	ng	97
55) Dibenzofuran	14.63	168	170692	3.607	ng	# 96
58) Fluorene	15.29	166	236433	6.527	ng	99
71) Phenanthrene	17.03	178	1360291	28.562	ng	100
72) Anthracene	17.12	178	460452	9.936	ng	99
75) Fluoranthene	19.06	202	1126833	20.911	ng	99
78) Pyrene	19.43	202	1045009	18.303	ng	99
81) Benzo(a)anthracene	21.18	228	542590	10.178	ng	98
83) Chrysene	21.23	228	463812	8.957	ng	96
86) Indeno(1,2,3-cd)pyrene	25.56	276	269569	6.515	ng	97
88) Benzo(b)fluoranthene	22.73	252	581565	9.746	ng	# 86
89) Benzo(k)fluoranthene	22.77	252	192882m	3.198	ng	
90) Benzo(a)pyrene	23.29	252	456075	8.382	ng	# 90
92) Benzo(a,h,i)perylene	26.23	276	258731	6.015	ng	96

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

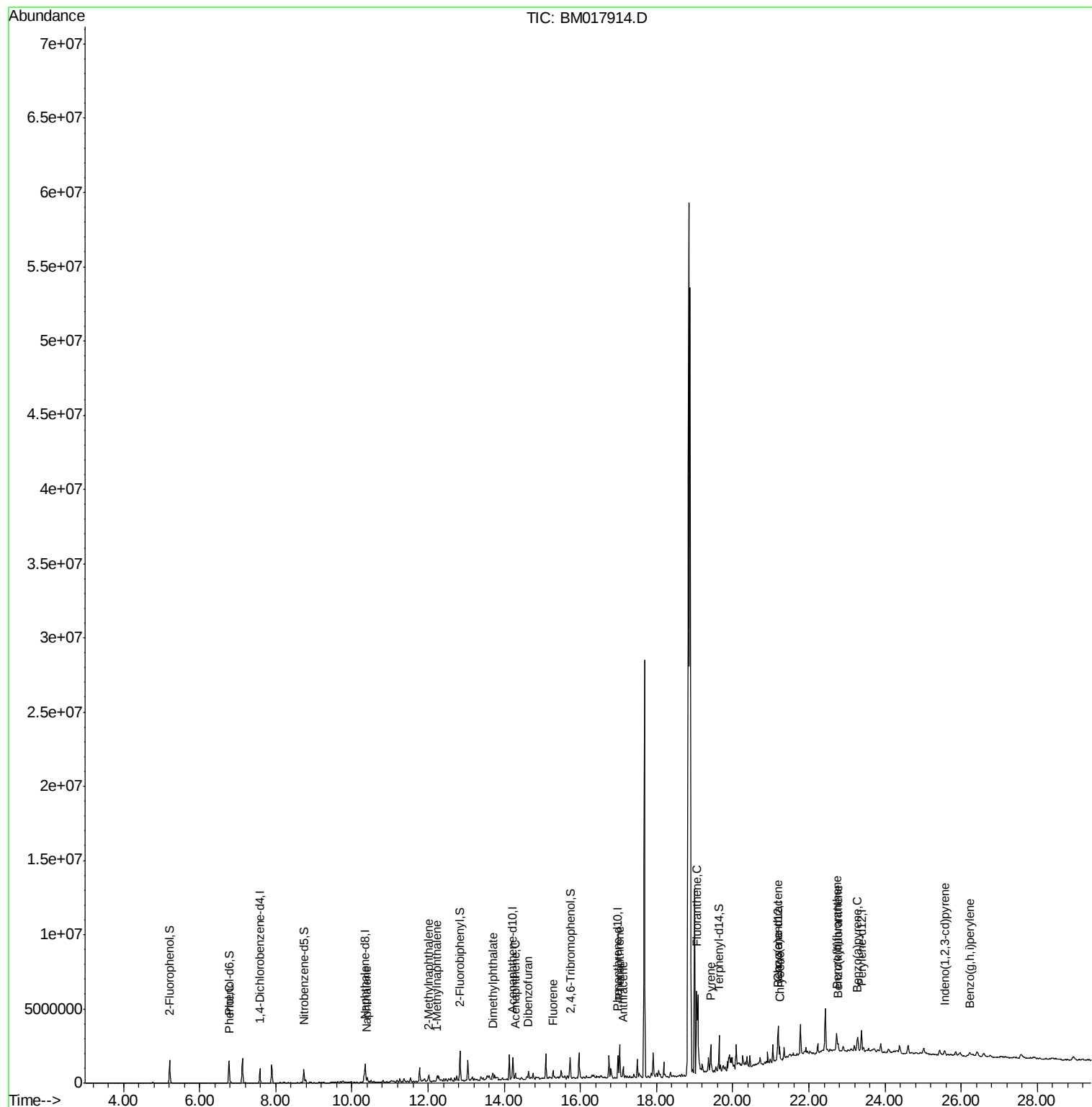
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\
Data File : BM017914.D
Acq On : 04 Dec 2018 22:11
Operator : JU/SJ
Sample : J5771-09 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

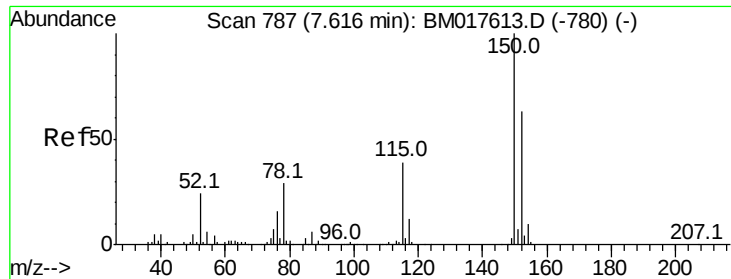
Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Manual Integrations
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Quant Time: Dec 05 01:13:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 18:37:25 2018
Response via : Initial Calibration





#1

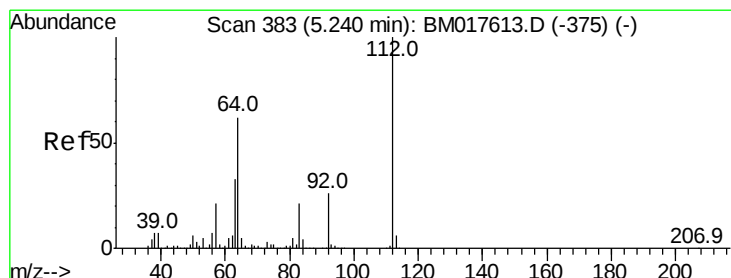
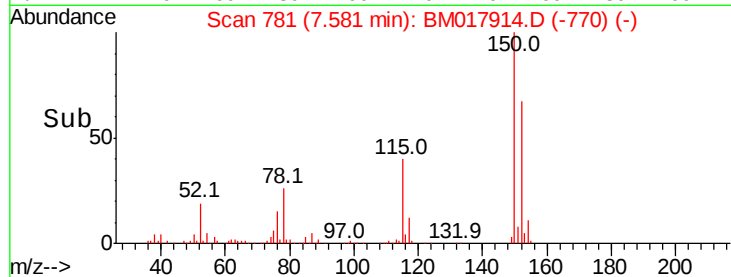
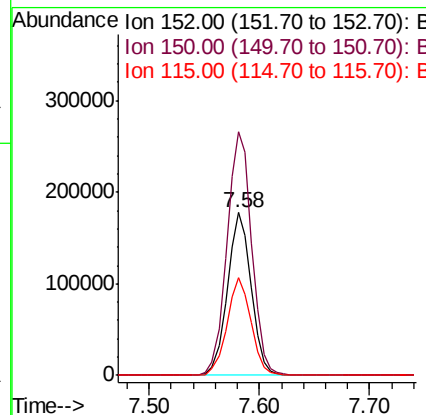
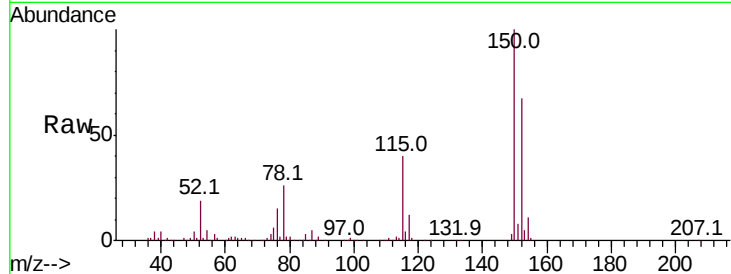
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 781
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampled :
EO-02-112918-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	126.4	189.6
115	60.4	49.4	74.0

Manual Integrations
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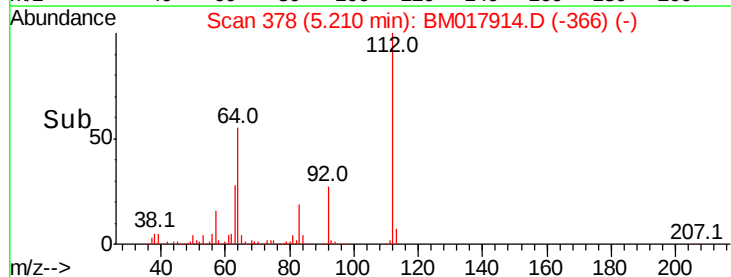
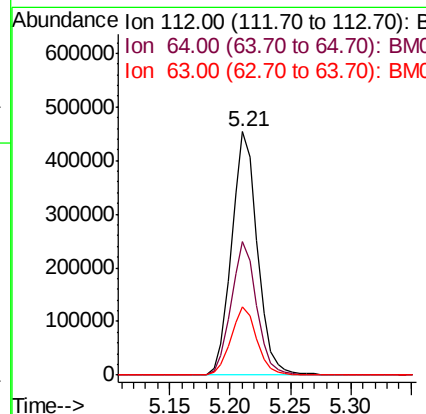
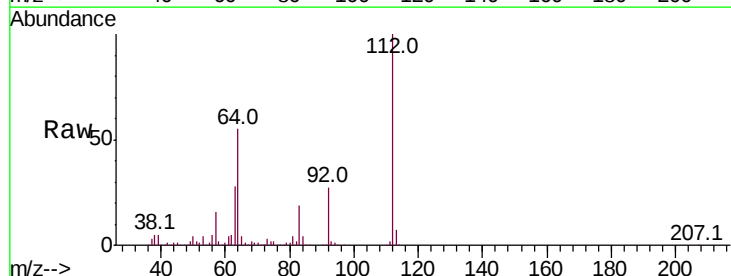
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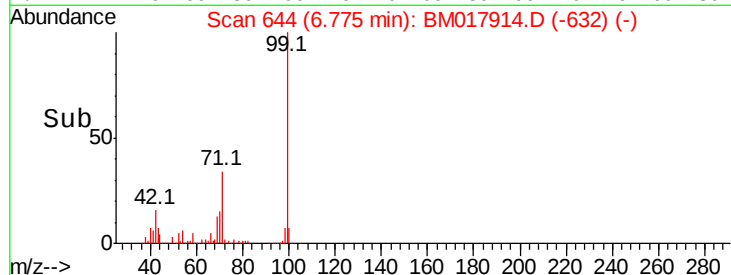
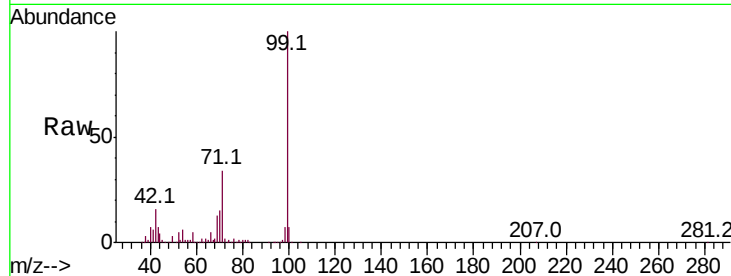
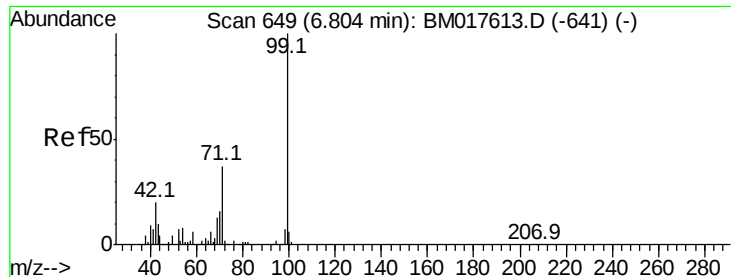


#5

2-Fluorophenol
Concen: 42.443 ng
RT: 5.21 min Scan# 378
Delta R.T. -0.03 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	49.3	73.9
63	27.9	26.2	39.4





#7

Phenol-d6

Concen: 41.051 ng

RT: 6.77 min Scan# 644

Delta R.T. -0.03 min

Lab File: BM017914.D

Acq: 04 Dec 2018 22:11

Tot Ion:	99	Resp:	909455
Ion Ratio	Lower	Upper	
99	100		
42	16.1	16.3	24.5#
71	33.8	29.8	44.8

Instrument :

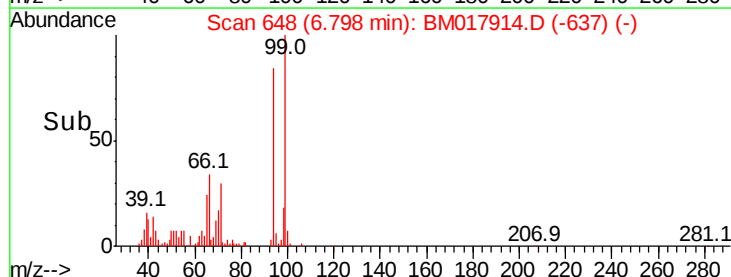
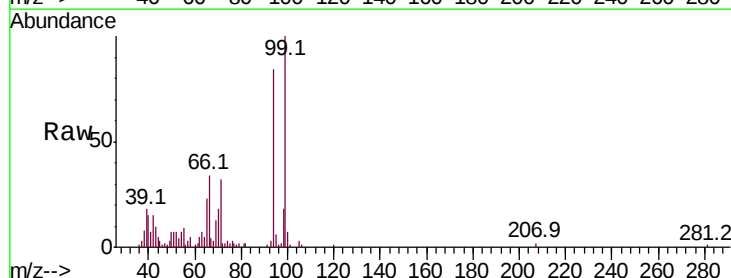
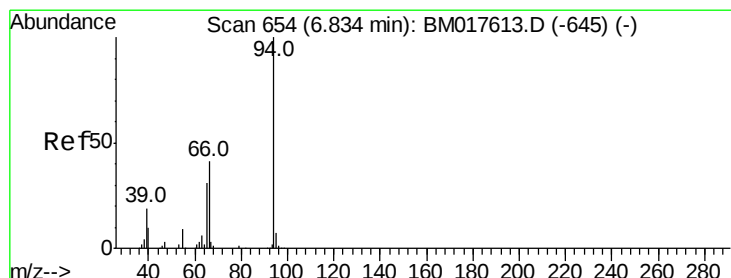
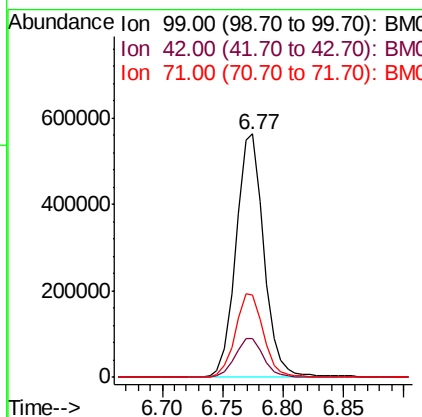
BNA_M

ClientSampleId :

EO-02-112918-B

Manual Integrations
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#10

Phenol

Concen: 2.225 ng

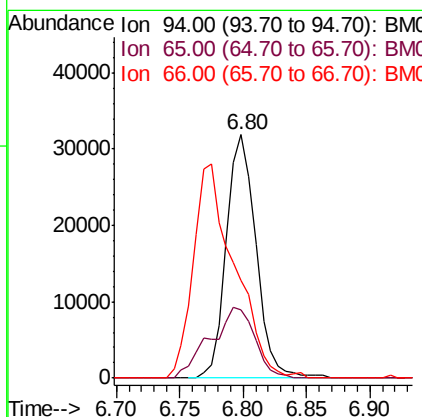
RT: 6.80 min Scan# 648

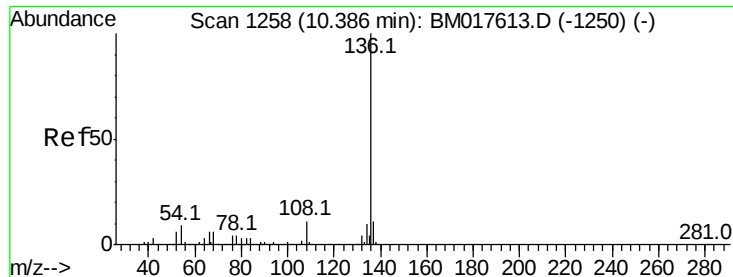
Delta R.T. -0.04 min

Lab File: BM017914.D

Acq: 04 Dec 2018 22:11

Tgt Ion:	94	Resp:	51747
Ion Ratio	Lower	Upper	
94	100		
65	28.1	11.4	51.4
66	40.1	21.4	61.4





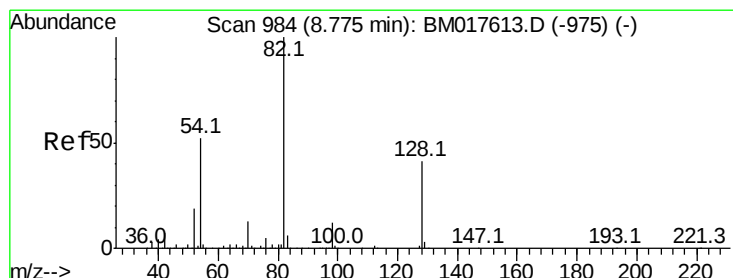
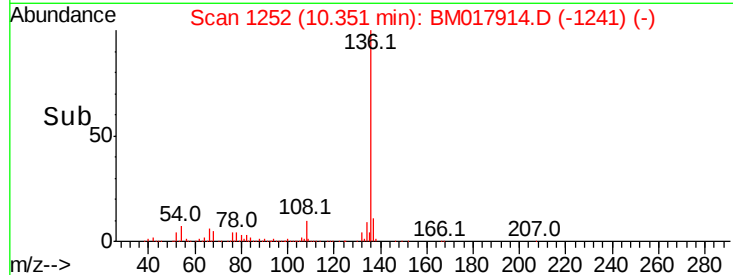
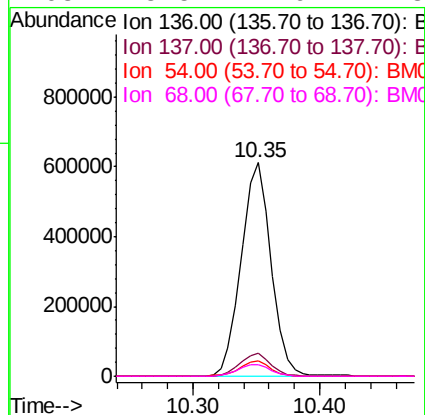
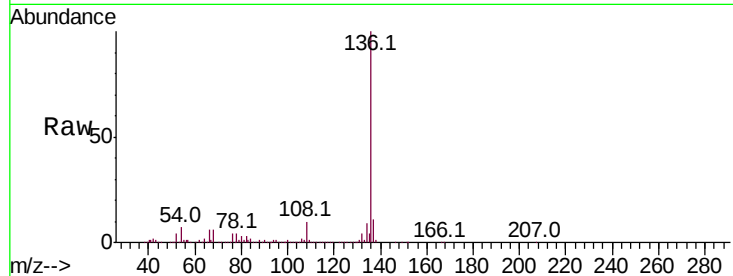
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.35 min Scan# 1252
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	6.9	7.0	10.6
68	5.5	4.9	7.3

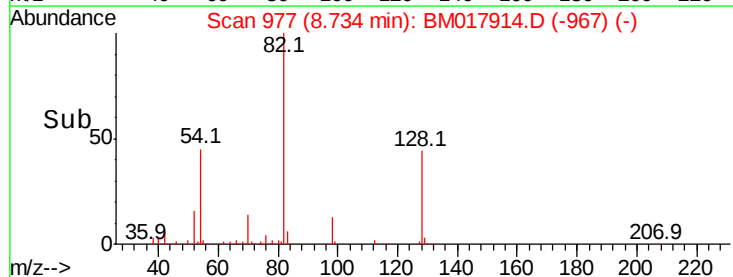
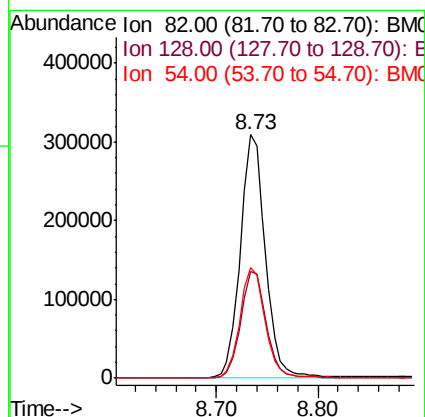
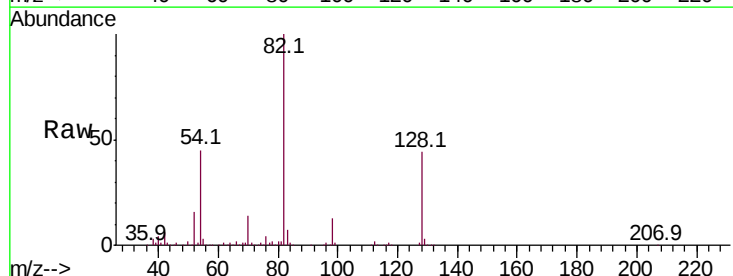
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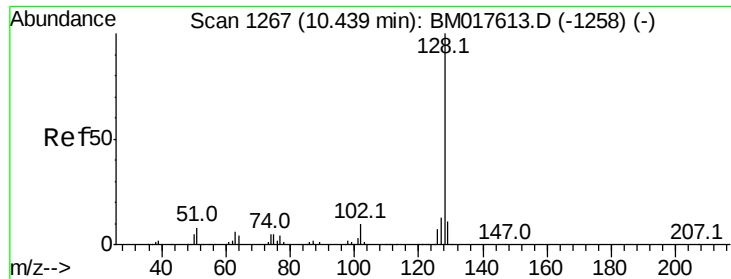
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#23
Nitrobenzene-d5
Concen: 27.328 ng
RT: 8.73 min Scan# 977
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.9	33.0	49.4
54	45.1	41.4	62.2





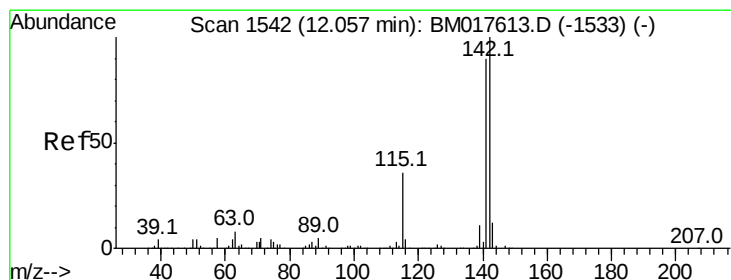
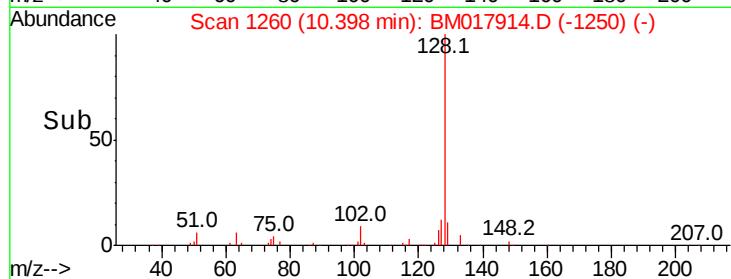
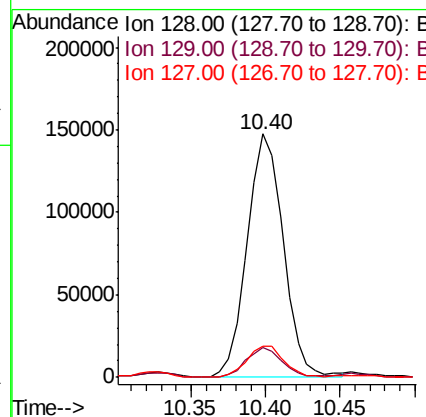
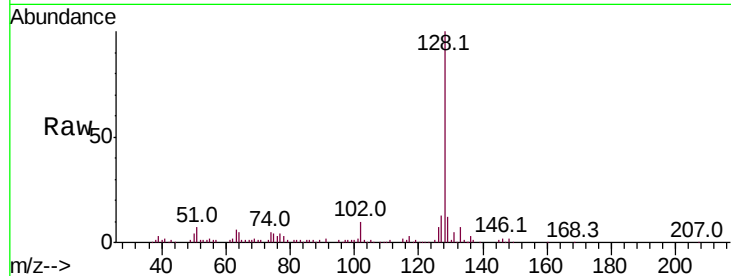
#31
Naphthalene
Concen: 4.996 ng
RT: 10.40 min Scan# 1260
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion:	128	Resp:	246314
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.6	12.8
127	12.8	10.3	15.5

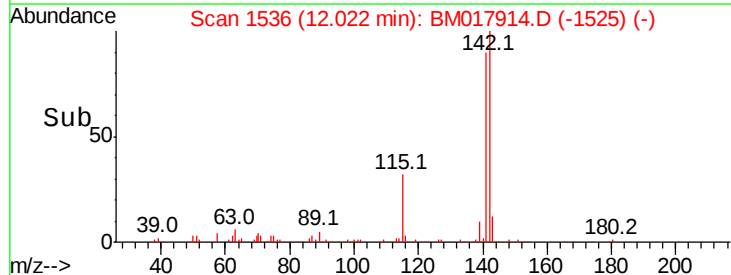
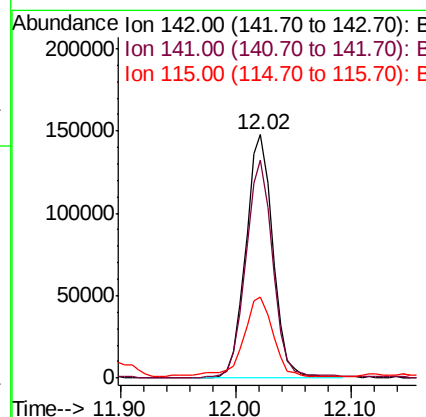
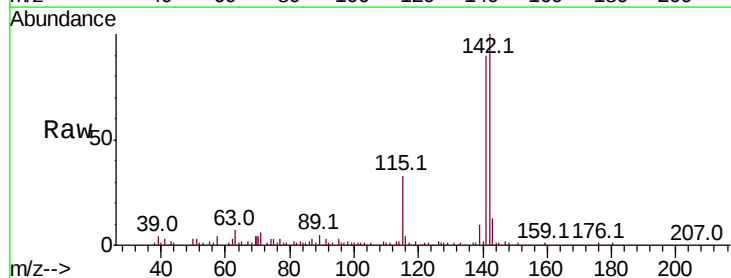
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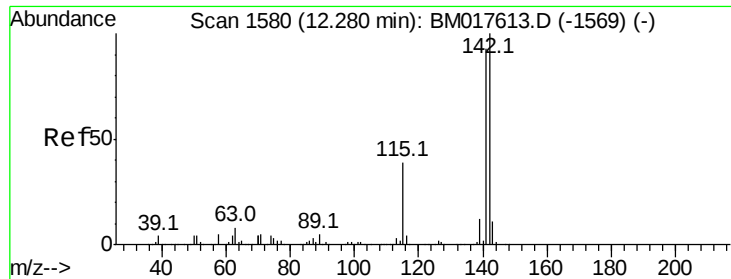
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#37
2-Methylnaphthalene
Concen: 6.925 ng
RT: 12.02 min Scan# 1536
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion:	142	Resp:	241293
Ion Ratio	Lower	Upper	
142	100		
141	89.7	72.2	108.4
115	33.3	28.5	42.7





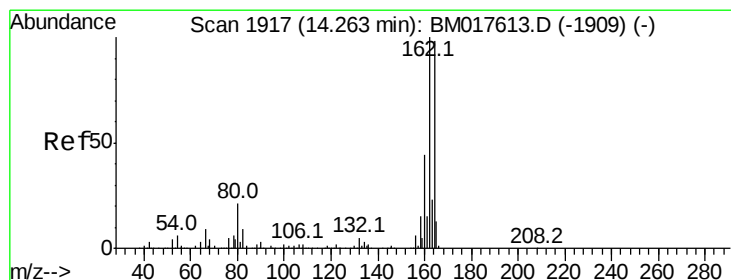
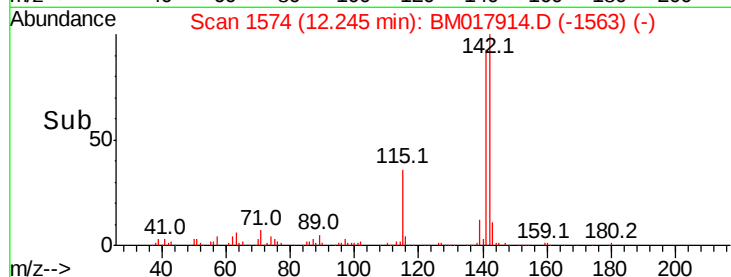
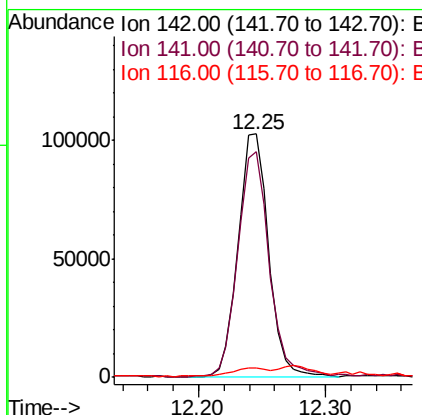
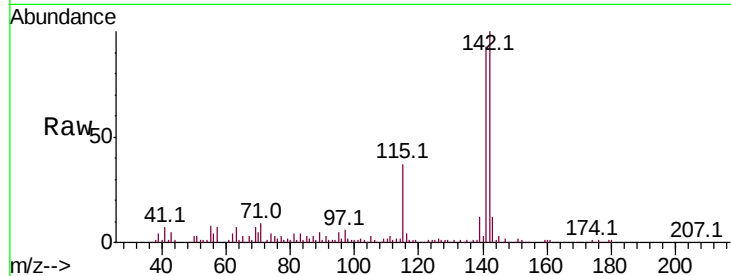
#38
1-Methylnaphthalene
Concen: 5.048 ng
RT: 12.25 min Scan# 1574
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion	Ratio	Resp	Lower	Upper
142	100	172453		
141	93.0	74.2	111.4	
116	3.9	3.1	4.7	

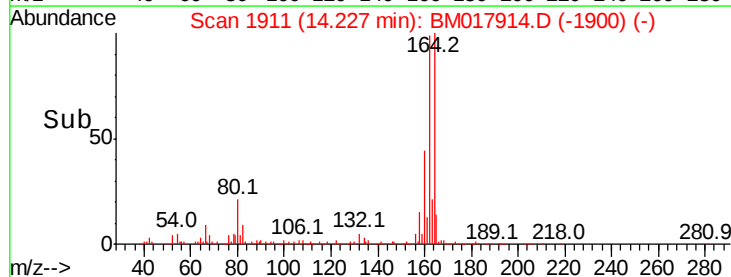
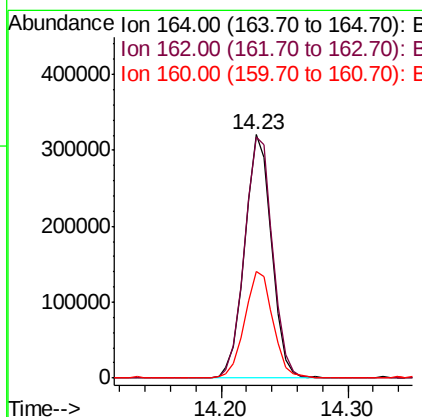
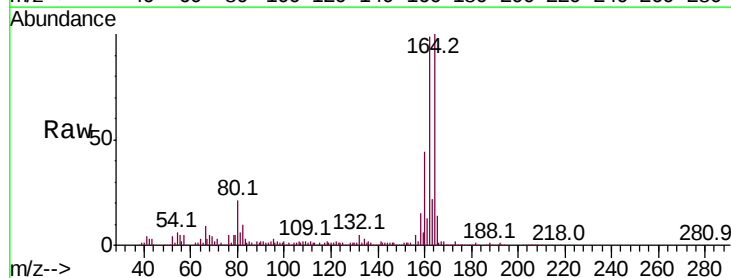
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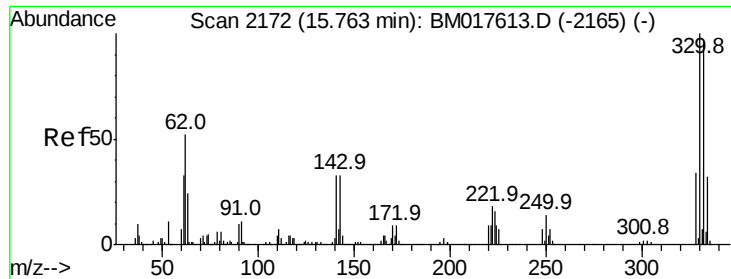
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.23 min Scan# 1911
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	471319		
162	98.9	81.4	122.0	
160	43.9	35.6	53.4	





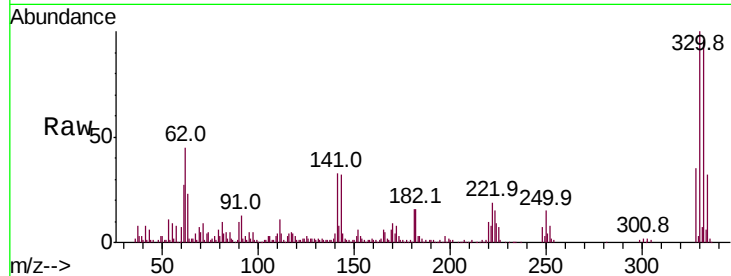
#42
 2,4,6-Tribromophenol
 Concen: 37.749 ng
 RT: 15.73 min Scan# 2167
 Delta R.T. -0.03 min
 Lab File: BM017914.D
 Acq: 04 Dec 2018 22:11

Instrument :
 BNA_M
 ClientSampleId :
 EO-02-112918-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	255646		
332	96.3		77.9	116.9
141	32.5		27.5	41.3

Manual Integrations
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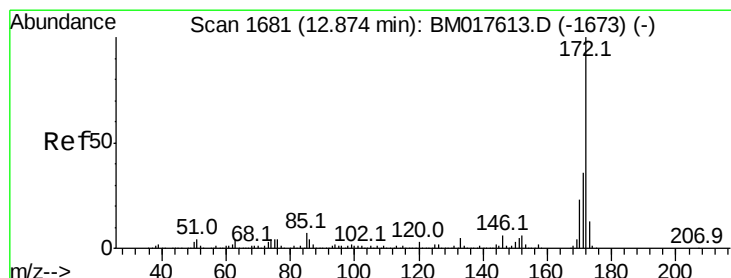
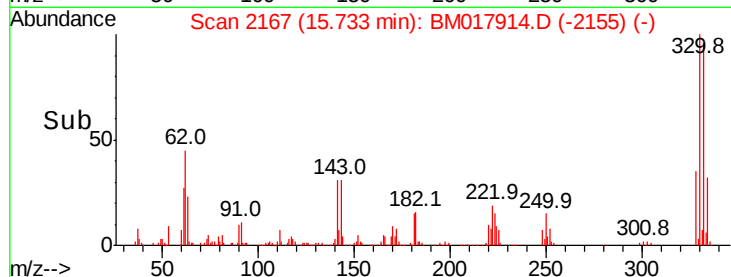
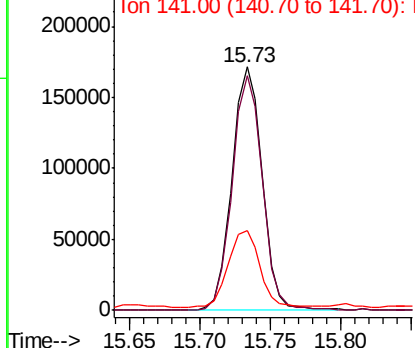


Abundance

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



#45
 2-Fluorobiphenyl
 Concen: 29.535 ng
 RT: 12.84 min Scan# 1675
 Delta R.T. -0.04 min
 Lab File: BM017914.D
 Acq: 04 Dec 2018 22:11

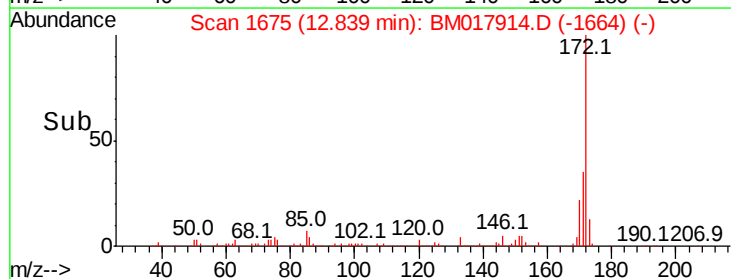
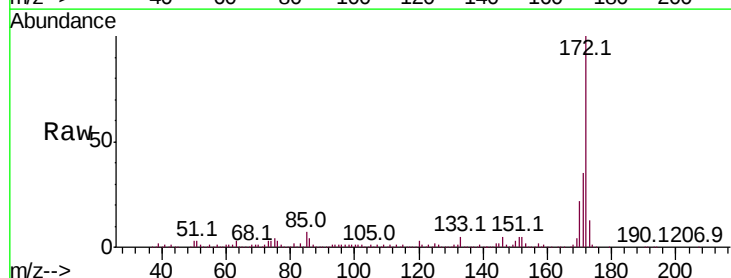
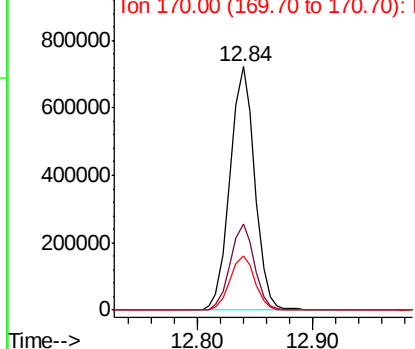
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1073010		
171	35.3		28.7	43.1
170	22.4		18.3	27.5

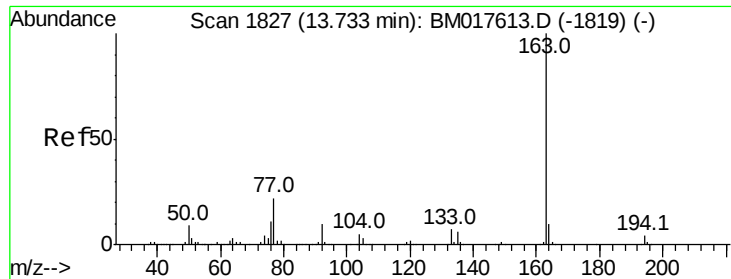
Abundance

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





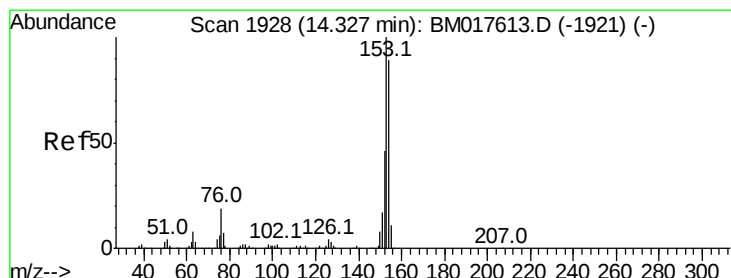
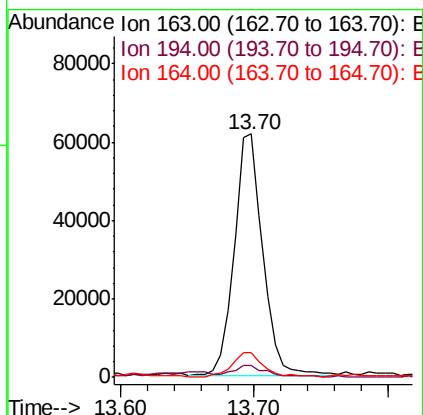
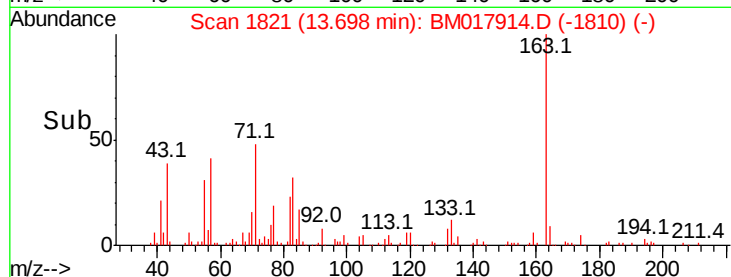
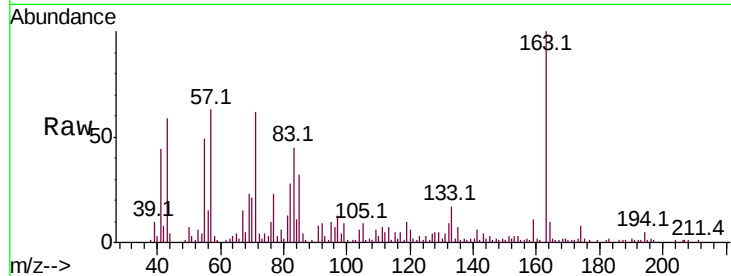
#50
Dimethylphthalate
Concen: 2.392 ng
RT: 13.70 min Scan# 1821
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.1	4.7#
164	10.0	8.2	12.4

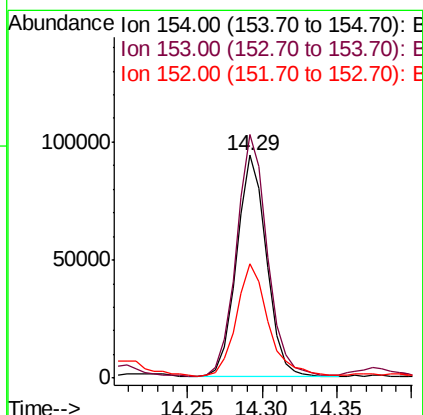
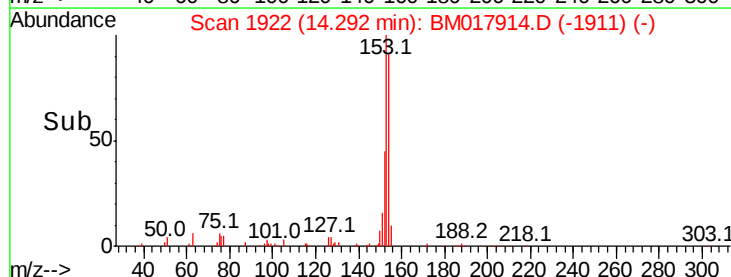
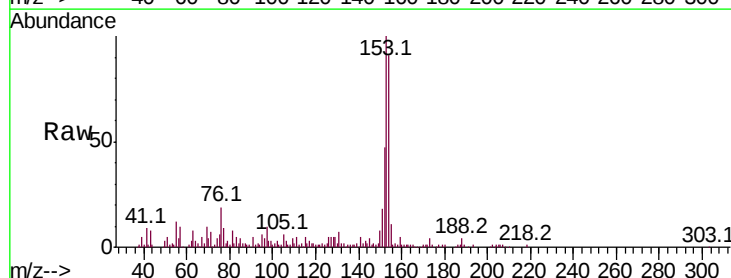
Manual Integrations
APPROVED

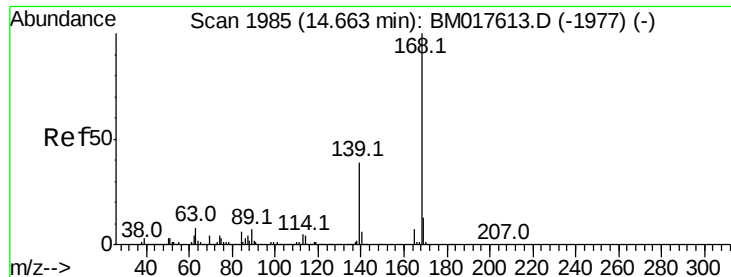
mohammad
12/5/2018 4:50:09 PM



#52
Acenaphthene
Concen: 4.506 ng
RT: 14.29 min Scan# 1922
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.3	90.2	135.4
152	51.2	41.6	62.4





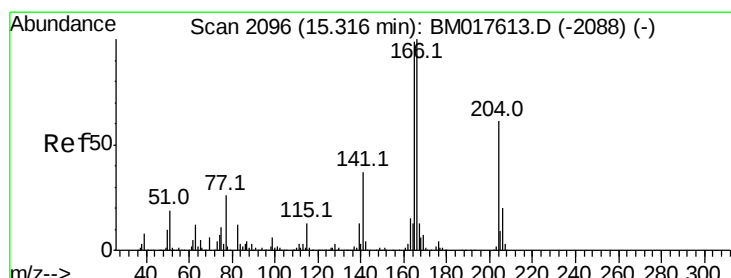
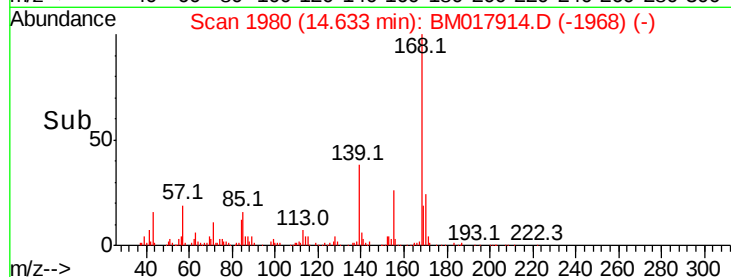
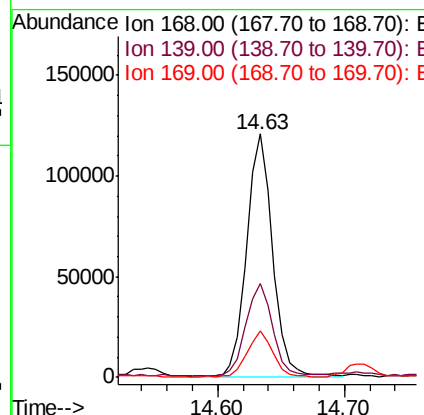
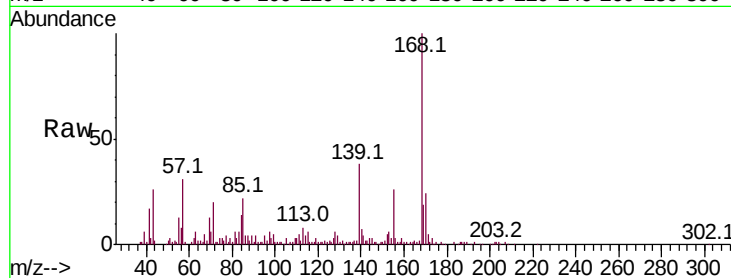
#55
Dibenzofuran
Concen: 3.607 ng
RT: 14.63 min Scan# 1980
Delta R.T. -0.03 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	31.0	46.6
169	19.3	10.6	16.0

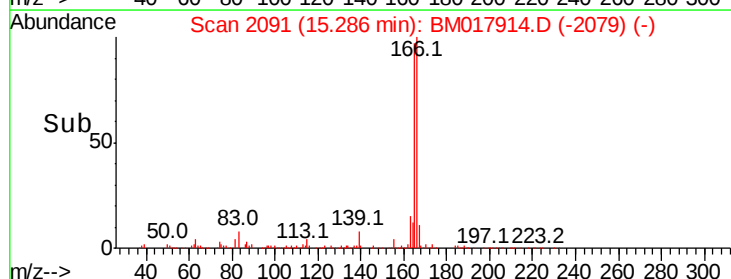
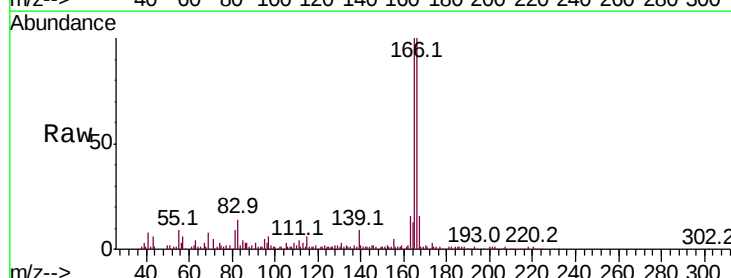
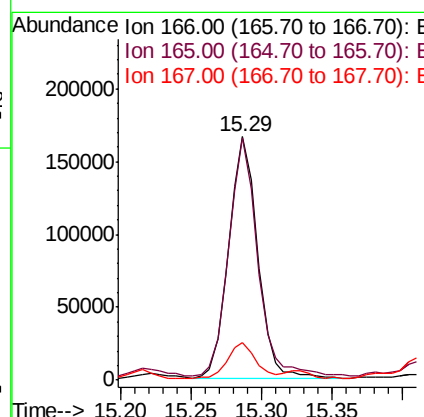
Manual Integrations
APPROVED

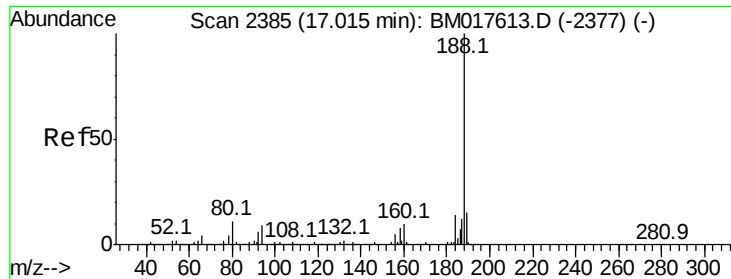
mohammad
12/5/2018 4:50:09 PM



#58
Fluorene
Concen: 6.527 ng
RT: 15.29 min Scan# 2091
Delta R.T. -0.03 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.0	118.6
167	15.7	10.8	16.2





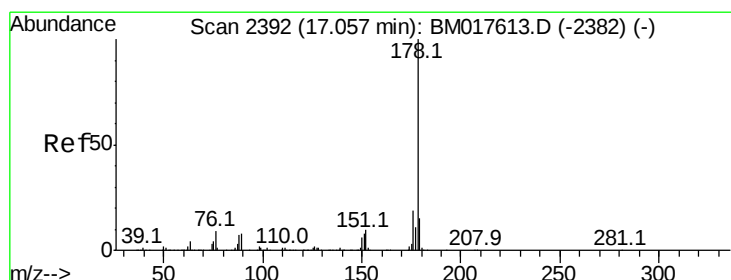
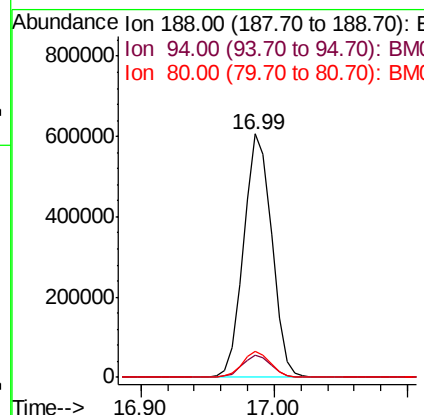
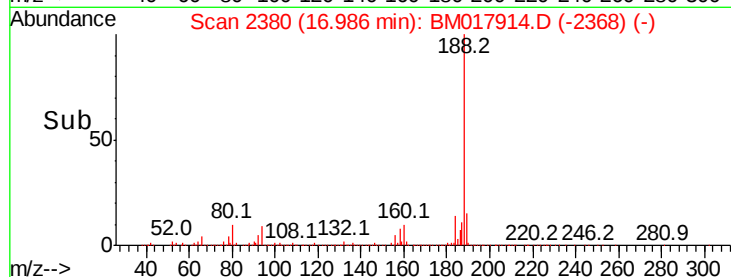
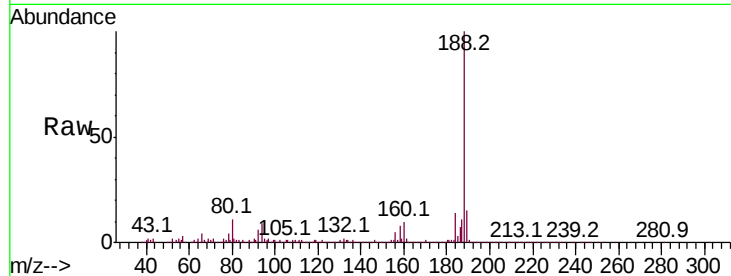
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2380
Delta R.T. -0.03 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	7.5	11.3
80	10.7	8.6	13.0

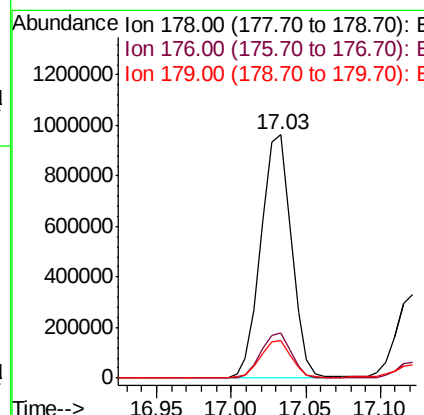
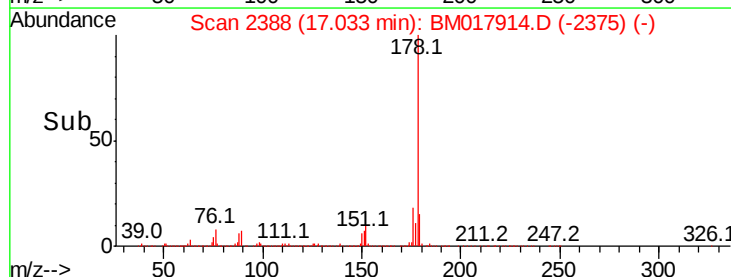
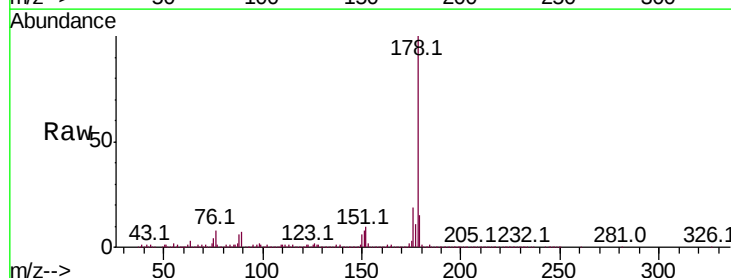
Manual Integrations
APPROVED

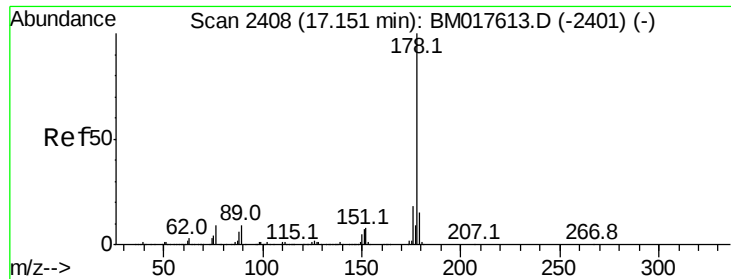
mohammad
12/5/2018 4:50:09 PM



#71
Phenanthrene
Concen: 28.562 ng
RT: 17.03 min Scan# 2388
Delta R.T. -0.02 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.3	12.4	18.6





#72

Anthracene

Concen: 9.936 ng

RT: 17.12 min Scan# 2403

Delta R.T. -0.03 min

Lab File: BM017914.D

Acq: 04 Dec 2018 22:11

Instrument :

BNA_M

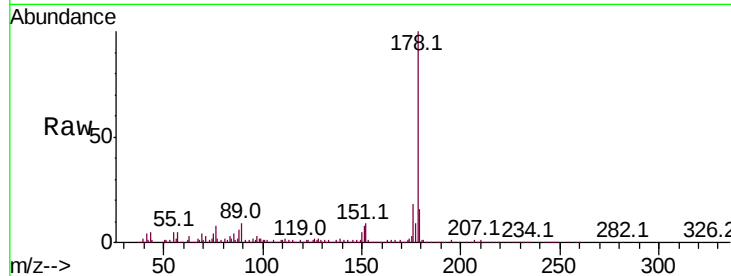
ClientSampleId :

EO-02-112918-B

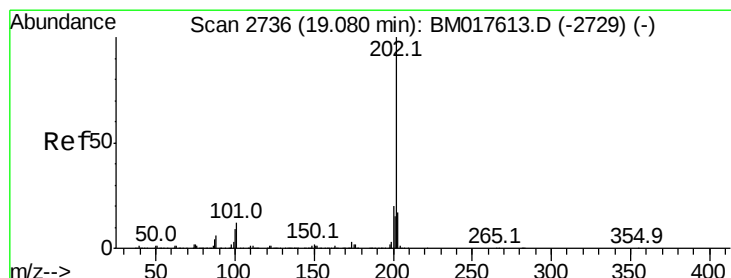
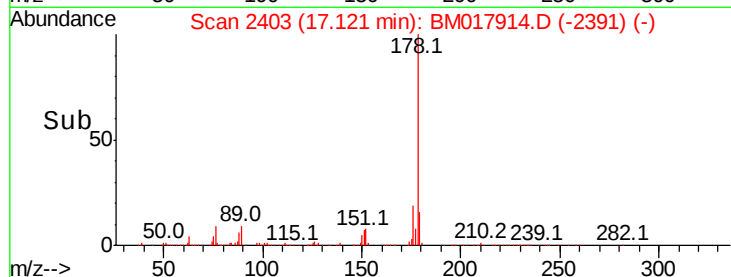
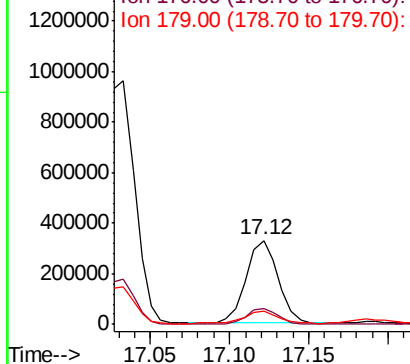
Tot Ion:	178	Resp:	460452
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.5	21.7
179	16.2	12.3	18.5

Manual Integrations
APPROVED

mohammad
12/5/2018 4:50:09 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 20.911 ng

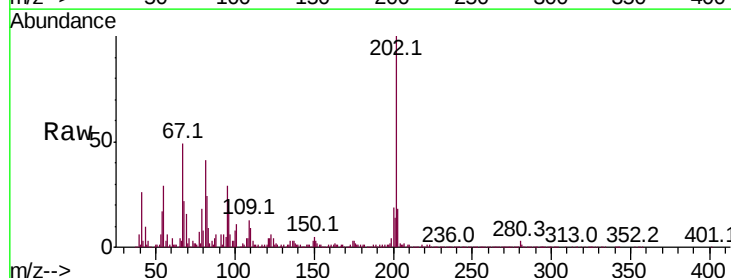
RT: 19.06 min Scan# 2732

Delta R.T. -0.02 min

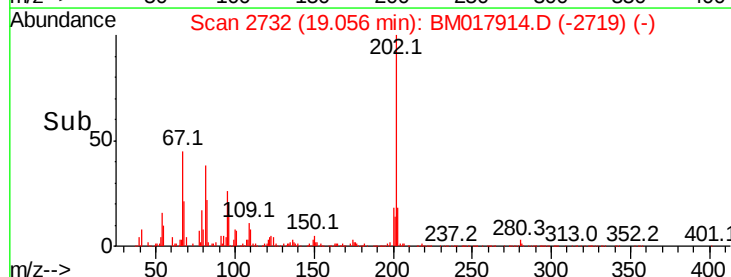
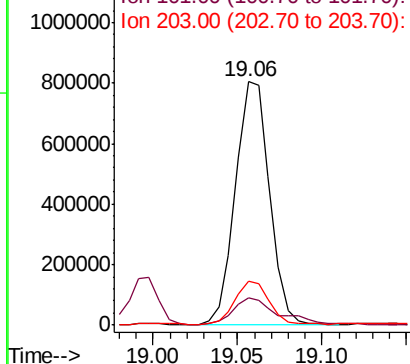
Lab File: BM017914.D

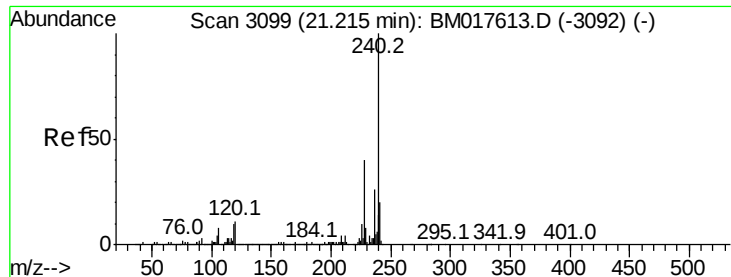
Acq: 04 Dec 2018 22:11

Tgt Ion:	202	Resp:	1126833
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.5
203	18.2	0.0	37.2



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





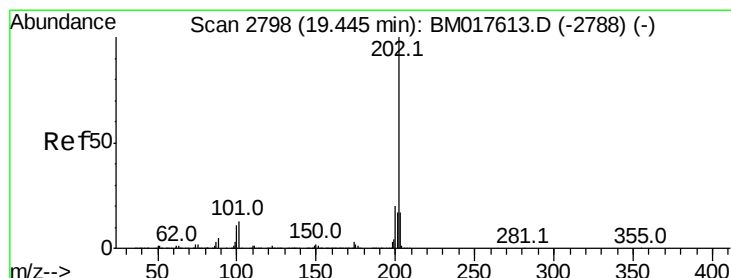
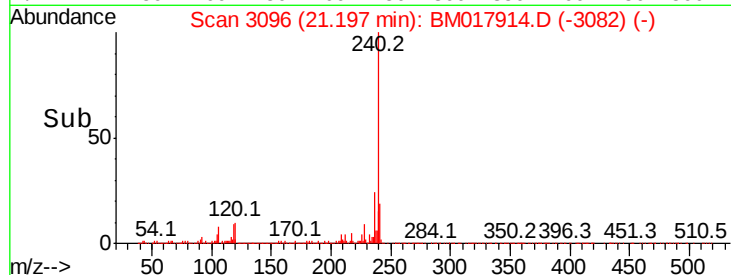
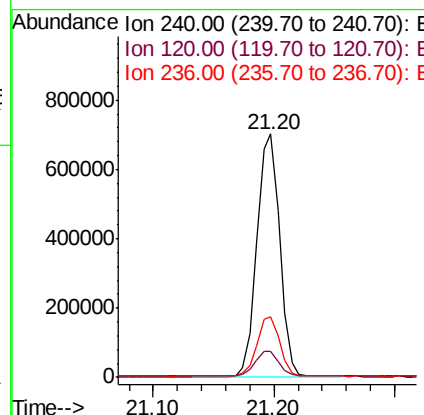
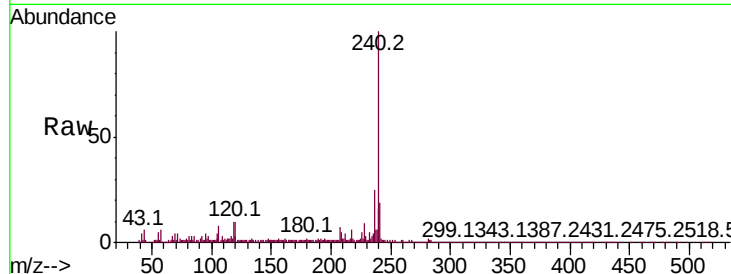
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.20 min Scan# 3096
Delta R.T. -0.02 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.5	12.7
236	24.8	20.4	30.6

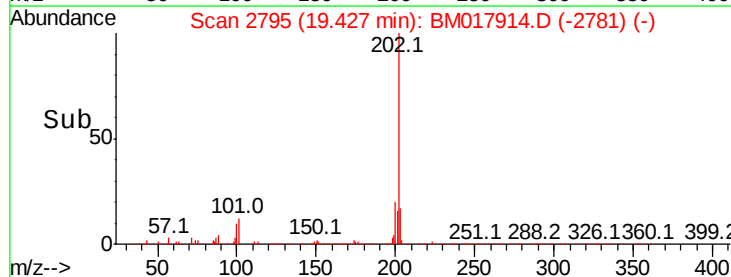
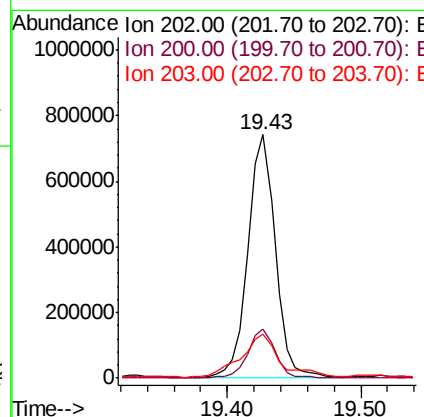
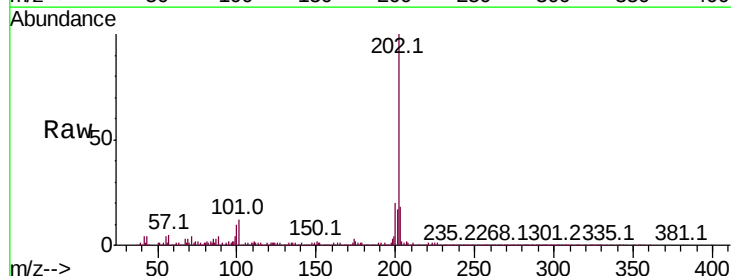
Manual Integrations
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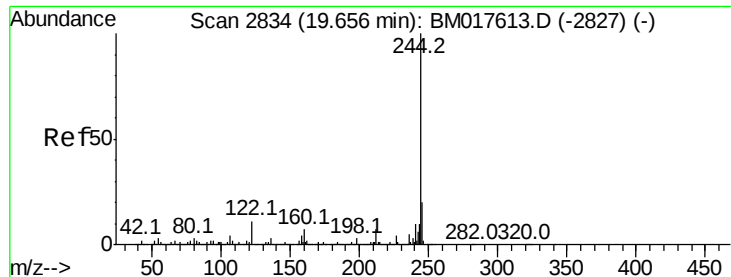
mohammad
12/5/2018 4:50:09 PM



#78
Pyrene
Concen: 18.303 ng
RT: 19.43 min Scan# 2795
Delta R.T. -0.02 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.4	24.6
203	17.9	13.8	20.8





#79

Terphenyl-d14

Concen: 27.744 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.02 min

Lab File: BM017914.D

Acq: 04 Dec 2018 22:11

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-B

Tot Ion:244 Resp: 1132781

Ion Ratio Lower Upper

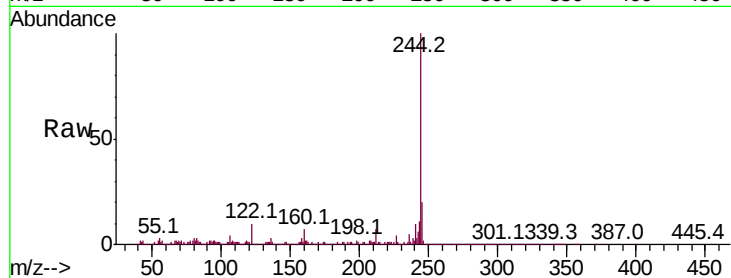
244 100

212 6.6 5.8 8.6

122 10.0 9.0 13.6

Manual Integrations
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12/5/2018 4:50:09 PM

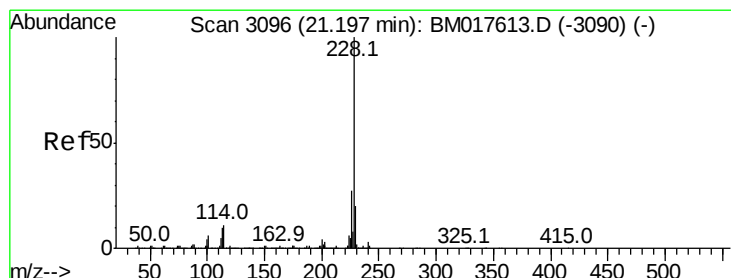
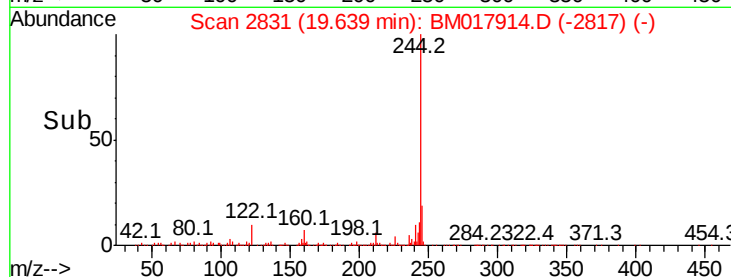
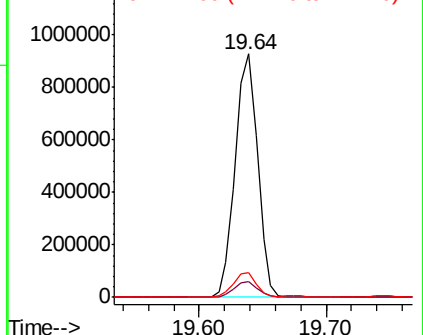


Abundance

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



#81

Benzo(a)anthracene

Concen: 10.178 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.02 min

Lab File: BM017914.D

Acq: 04 Dec 2018 22:11

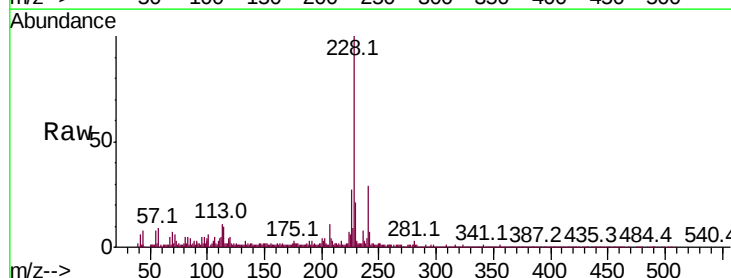
Tgt Ion:228 Resp: 542590

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

229 21.4 16.0 24.0

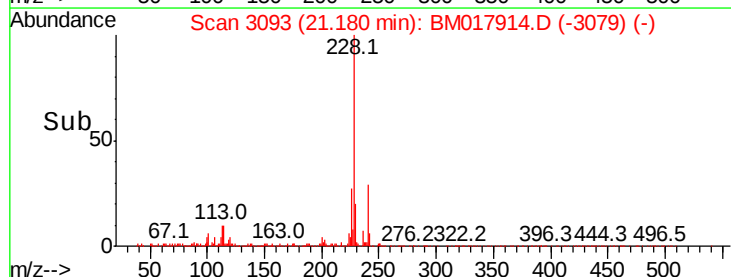
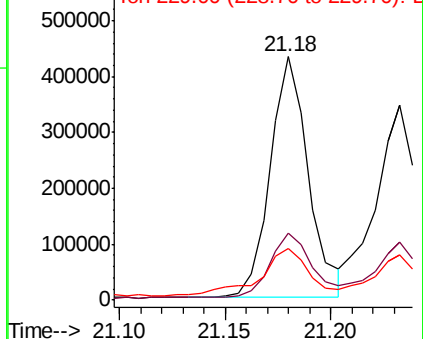


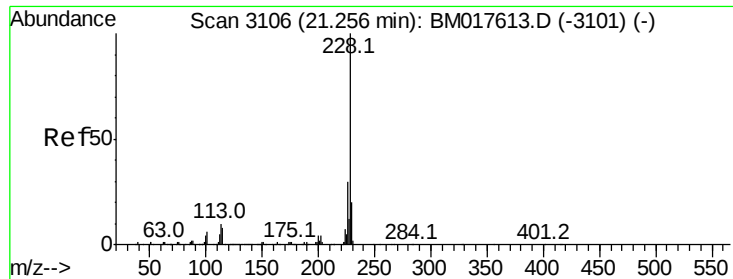
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





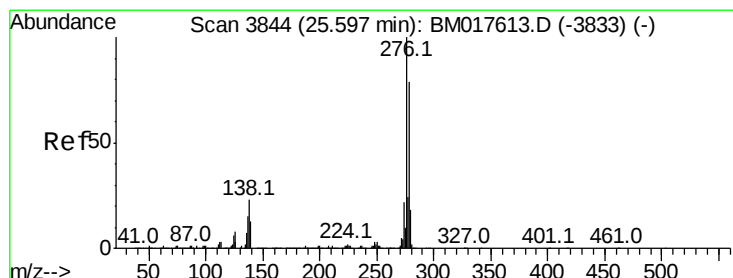
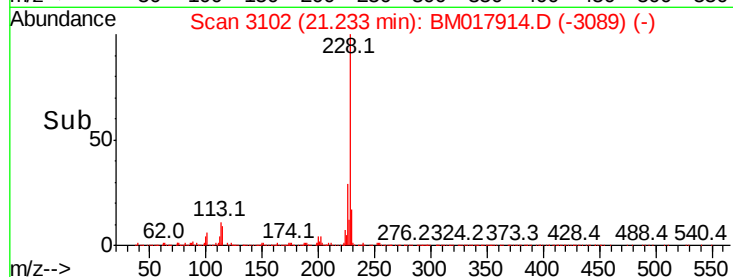
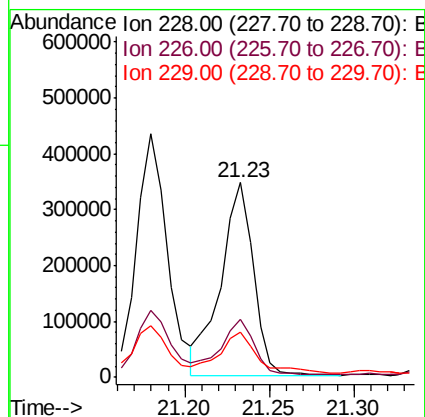
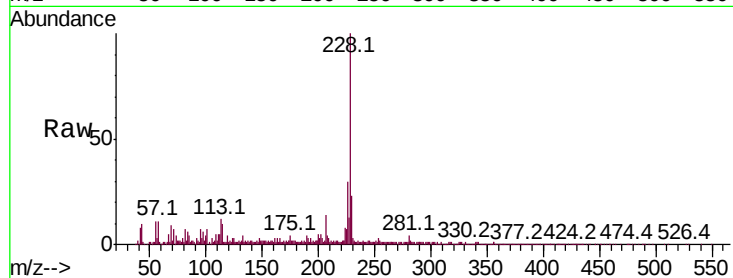
#83
Chrysene
Concen: 8.957 ng
RT: 21.23 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion:	228	Resp:	463812
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.6	35.4
229	23.4	15.8	23.6

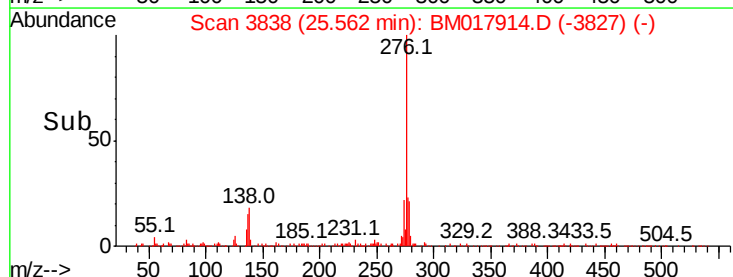
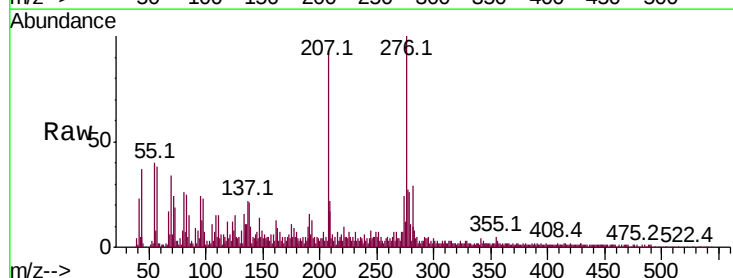
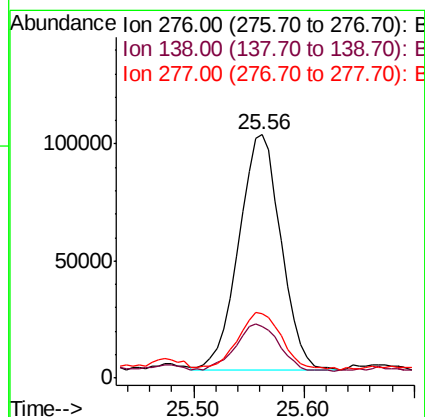
Manual Integrations
APPROVED

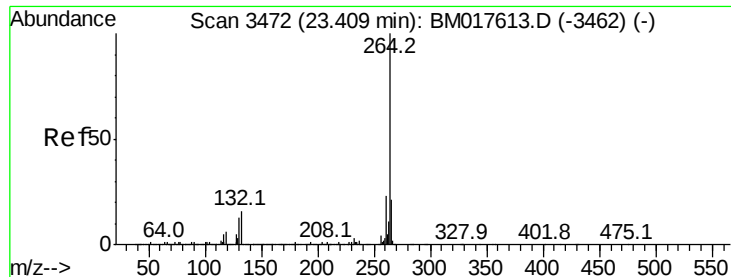
mohammad
12/5/2018 4:50:09 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.515 ng
RT: 25.56 min Scan# 3838
Delta R.T. -0.04 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion:	276	Resp:	269569
Ion Ratio	Lower	Upper	
276	100		
138	20.9	19.1	28.7
277	25.1	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.39 min Scan# 3468

Delta R.T. -0.02 min

Lab File: BM017914.D

Acq: 04 Dec 2018 22:11

Instrument :

BNA_M

ClientSampleId :

EO-02-112918-B

Tot Ion:264 Resp: 1018955

Ion Ratio Lower Upper

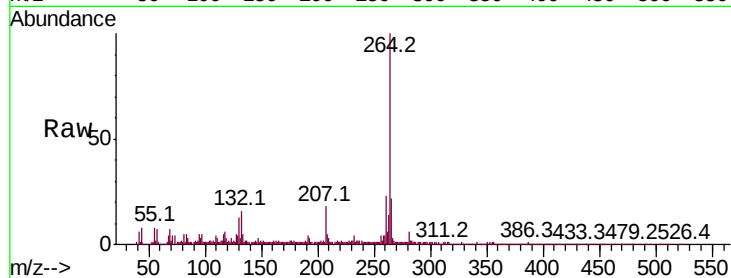
264 100

260 23.5 18.2 27.2

265 22.2 17.5 26.3

Manual Integrations
APPROVED

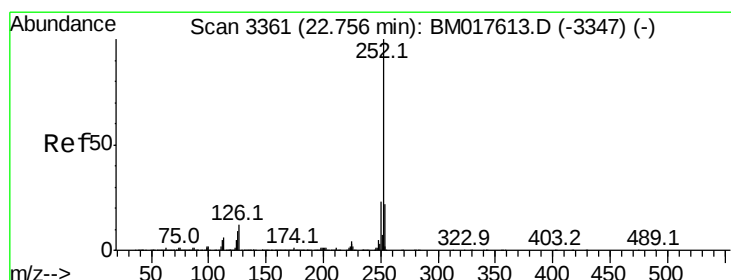
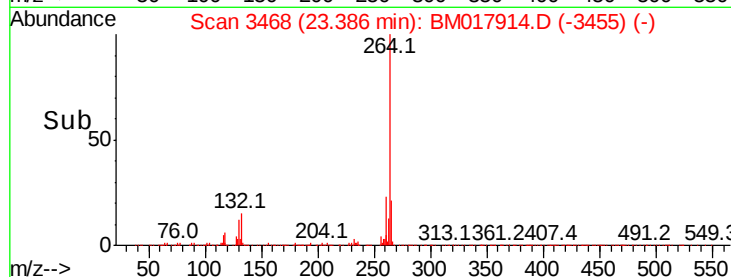
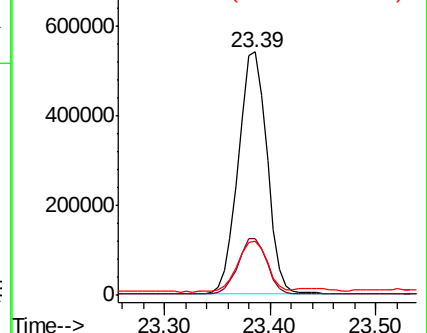
mohammad
12/5/2018 4:50:09 PM



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



#88

Benzo(b)fluoranthene

Concen: 9.746 ng

RT: 22.73 min Scan# 3357

Delta R.T. -0.02 min

Lab File: BM017914.D

Acq: 04 Dec 2018 22:11

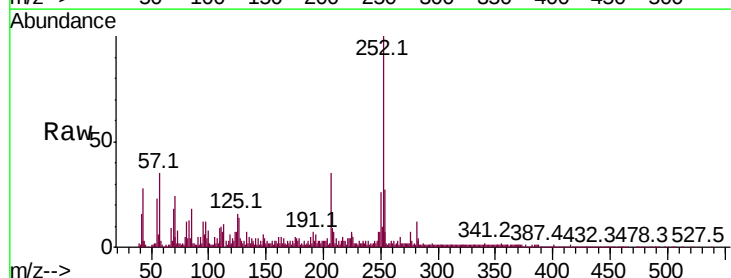
Tgt Ion:252 Resp: 581565

Ion Ratio Lower Upper

252 100

253 27.3 17.3 25.9#

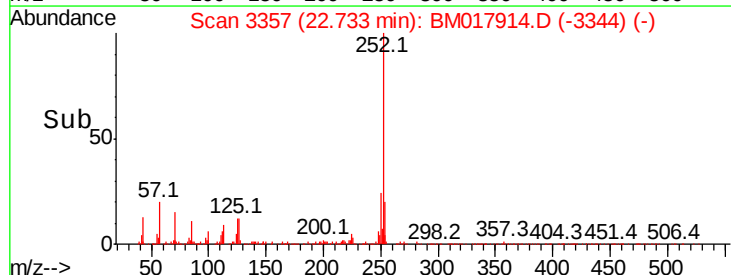
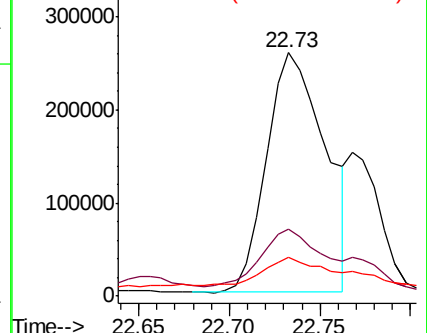
125 15.8 7.6 11.4#

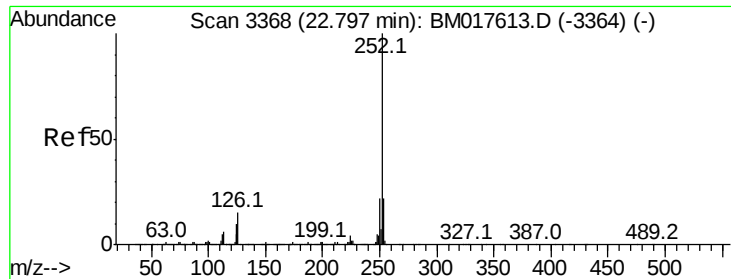


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





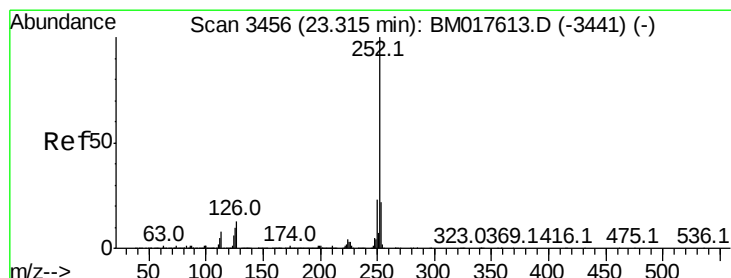
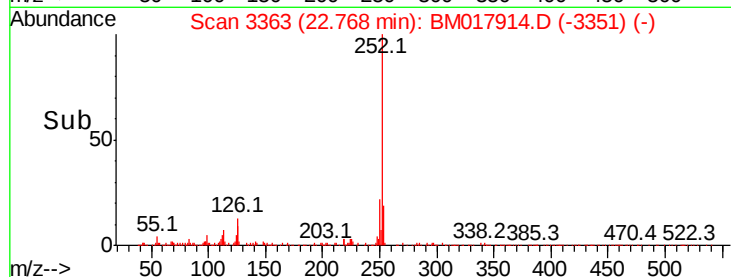
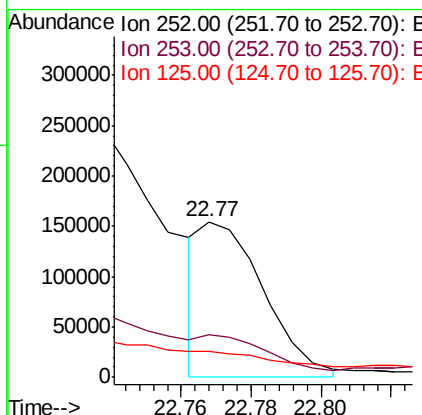
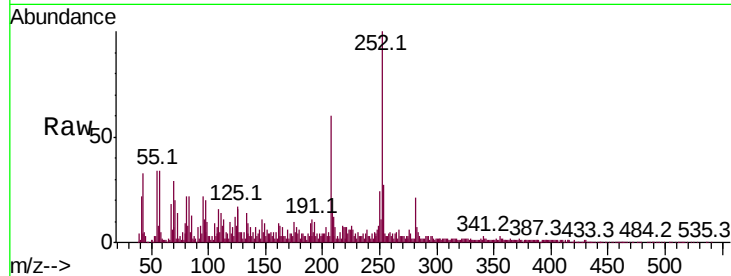
#89
Benzo(k)fluoranthene
Concen: 3.198 ng m
RT: 22.77 min Scan# 3363
Delta R.T. -0.03 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Instrument :
BNA_M
ClientSampleId :
EO-02-112918-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.7	26.5#
125	17.0	7.9	11.9#

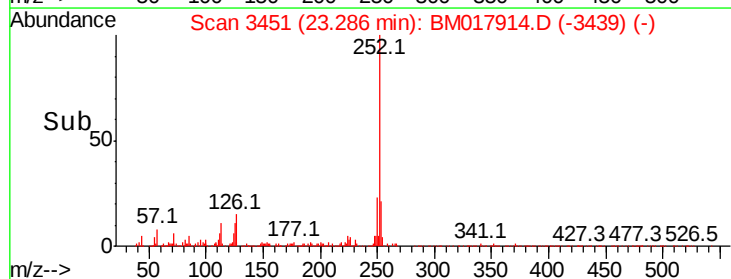
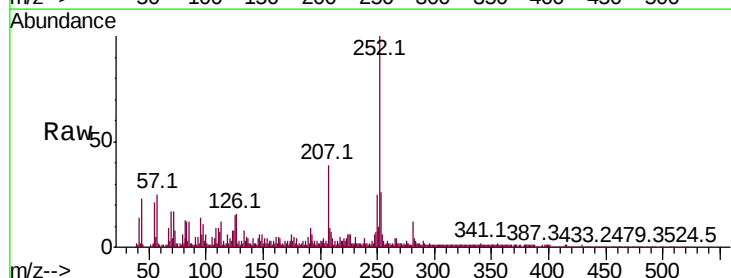
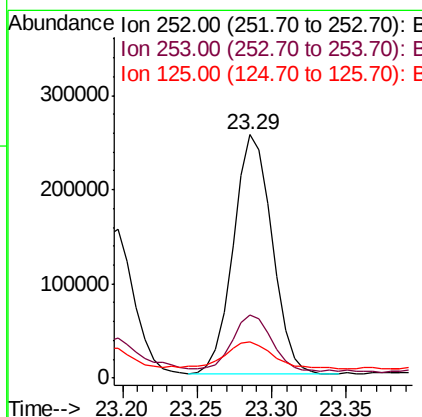
Manual Integrations
APPROVED

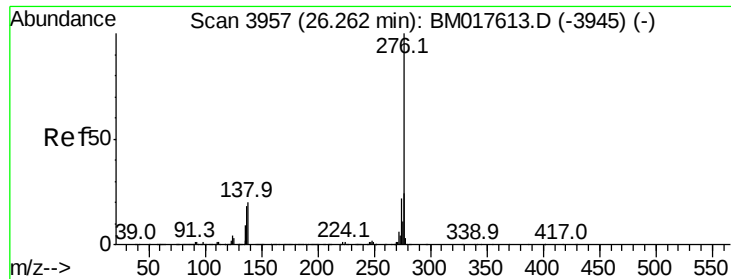
mohammad
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#90
Benzo(a)pyrene
Concen: 8.382 ng
RT: 23.29 min Scan# 3451
Delta R.T. -0.03 min
Lab File: BM017914.D
Acq: 04 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.4	26.2
125	15.0	8.2	12.2#





#92
 Benzo(a,h,i)perylene
 Concen: 6.015 ng
 RT: 26.23 min Scan# 3951
 Delta R.T. -0.04 min
 Lab File: BM017914.D
 Acq: 04 Dec 2018 22:11

Instrument :
 BNA_M
 ClientSampleId :
 EO-02-112918-B

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	25.3	19.0	28.4
138	22.1	15.9	23.9

Manual Integrations
 APPROVED

mohammad
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