

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083119\
 Data File : BM022470.D
 Acq On : 31 Aug 2019 13:47
 Operator : HP/JU
 Sample : K4568-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:13:04 AM

Quant Time: Aug 31 16:03:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	26338	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	90023	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	58785	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	131518	20.00	ng	0.00
76) Chrysene-d12	21.17	240	175871	20.00	ng	0.00
87) Perylene-d12	23.36	264	204014	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	198849	132.53	ng	0.00
7) Phenol-d6	6.72	99	254343	126.76	ng	0.00
23) Nitrobenzene-d5	8.69	82	183869	89.46	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	160155	133.14	ng	0.00
45) 2-Fluorobiphenyl	12.78	172	375005	72.27	ng	-0.01
79) Terphenyl-d14	19.60	244	896645	67.28	ng	0.00
Target Compounds						
10) Phenol	6.75	94	6223	3.087	ng	Qvalue # 68
50) Dimethylphthalate	13.66	163	55400	10.835	ng	100
71) Phenanthrene	17.00	178	19982	2.607	ng	97
75) Fluoranthene	19.02	202	68440	6.704	ng	98
78) Pyrene	19.39	202	70856	5.912	ng	98
81) Benzo(a)anthracene	21.15	228	47264	3.744	ng	# 95
83) Chrysene	21.20	228	45241	3.765	ng	95
86) Indeno(1,2,3-cd)pyrene	25.54	276	29910	2.475	ng	97
88) Benzo(b)fluoranthene	22.71	252	62978m	4.444	ng	
90) Benzo(a)pyrene	23.26	252	43308	3.443	ng	# 99
92) Benzo(g,h,i)perylene	26.21	276	29978	2.742	ng	# 93

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

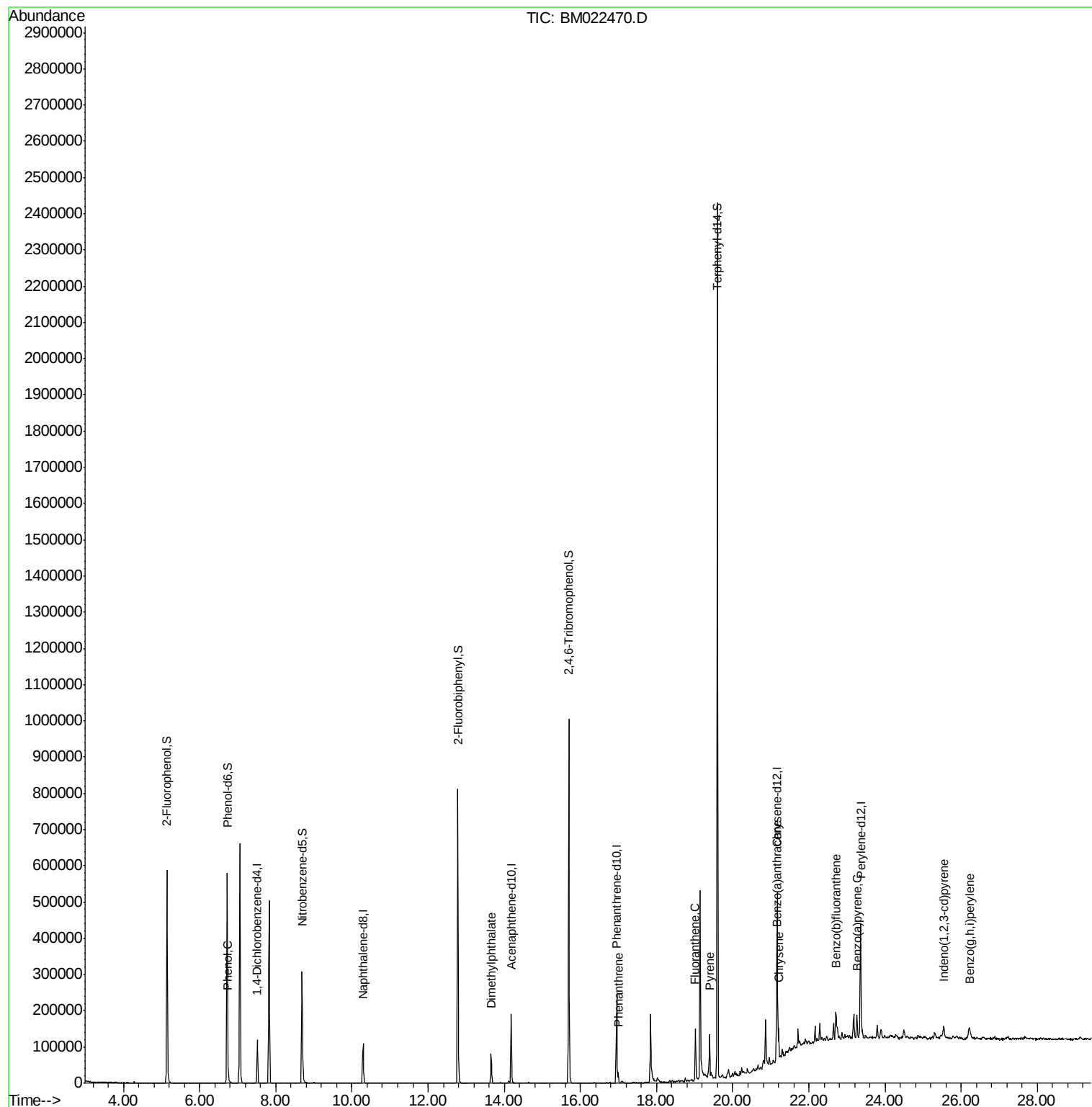
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083119\
Data File : BM022470.D
Acq On : 31 Aug 2019 13:47
Operator : HP/JU
Sample : K4568-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

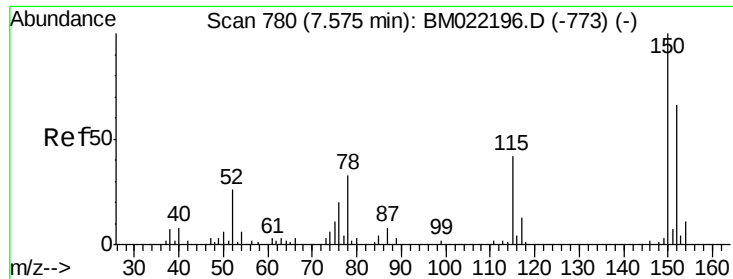
Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Manual Integrations
APPROVED

mohammad
9/5/2019 9:13:04 AM

Quant Time: Aug 31 16:03:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
Response via : Initial Calibration





#1

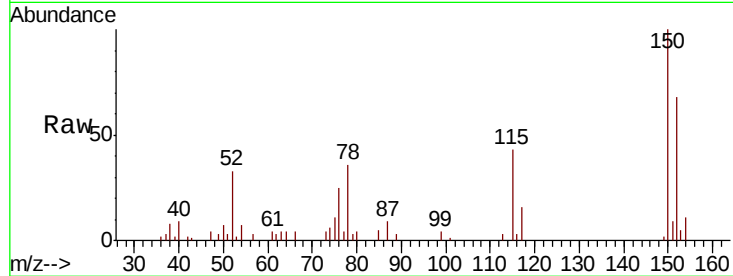
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.6	125.4	188.0
115	62.6	50.3	75.5

Manual Integrations
APPROVED

mohammad
9/5/2019 9:13:04 AM

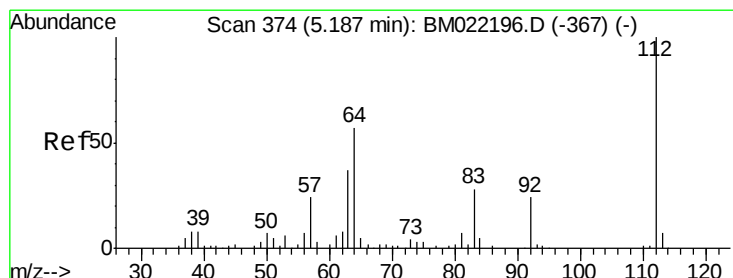
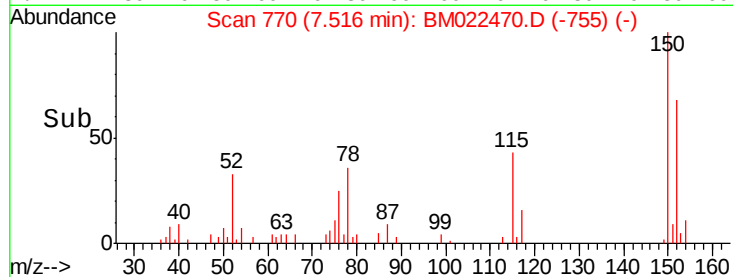
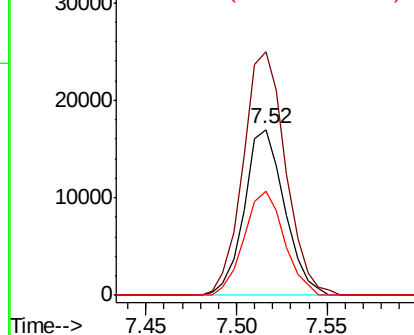


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

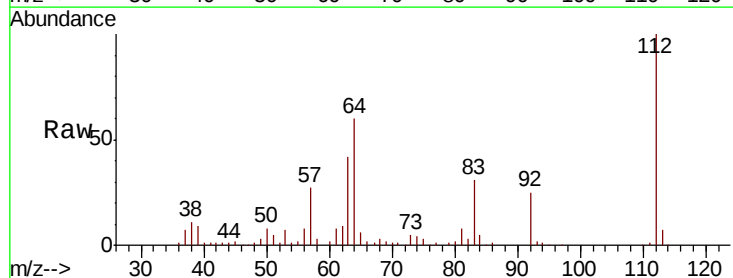
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 132.525 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	45.4	68.2
63	41.8	34.5	51.7

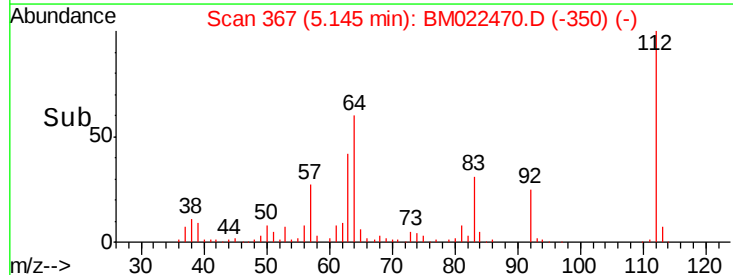
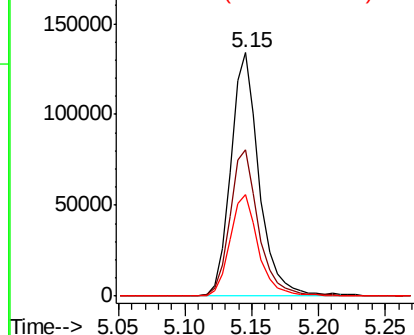


Abundance

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: 126.759 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

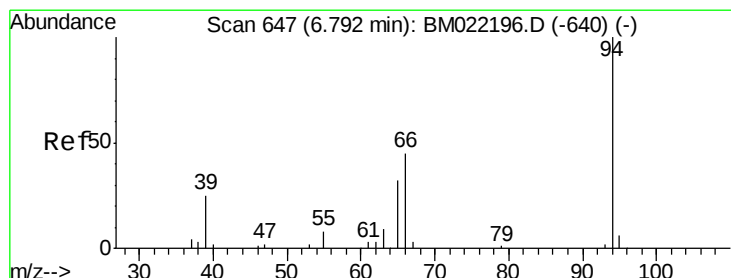
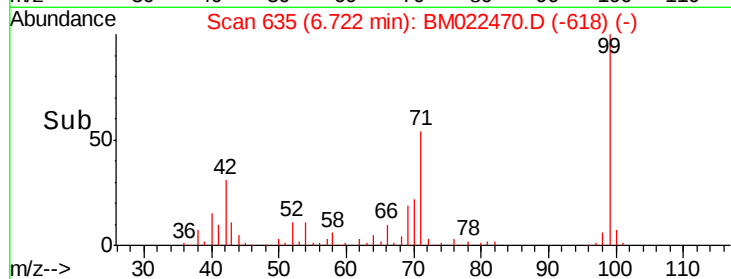
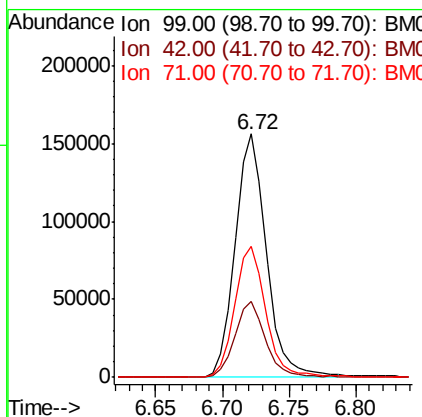
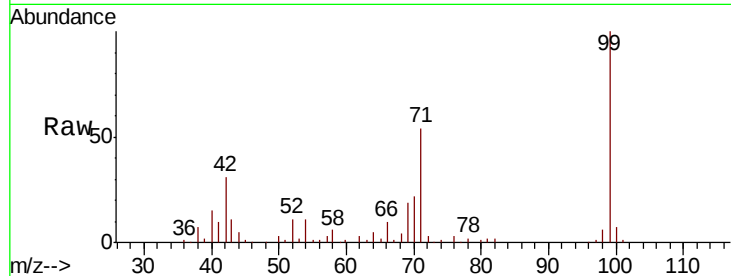
ClientSampleId :

SB-16-COMP

Tot Ion:	99	Resp:	254343
Ion Ratio	Lower	Upper	
99	100		
42	31.1	26.3	39.5
71	53.6	46.6	69.8

Manual Integrations
APPROVED

mohammad
9/5/2019 9:13:04 AM



#10

Phenol

Concen: 3.087 ng

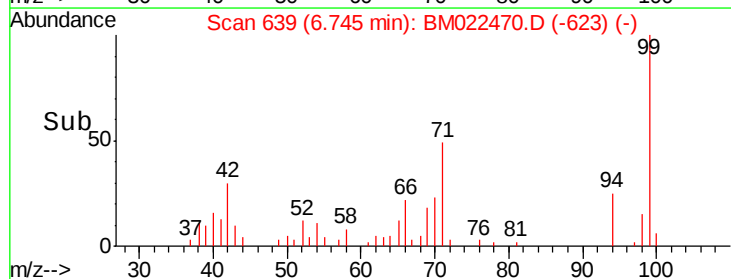
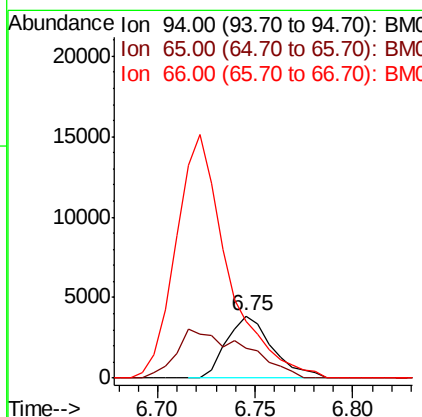
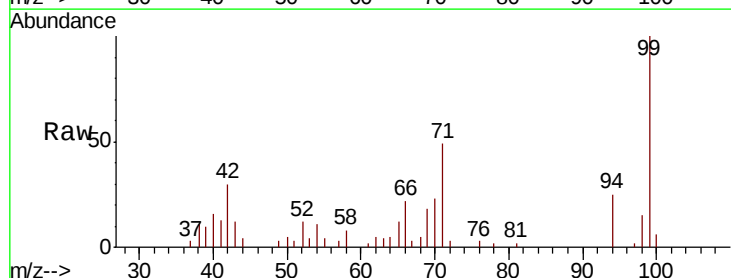
RT: 6.75 min Scan# 639

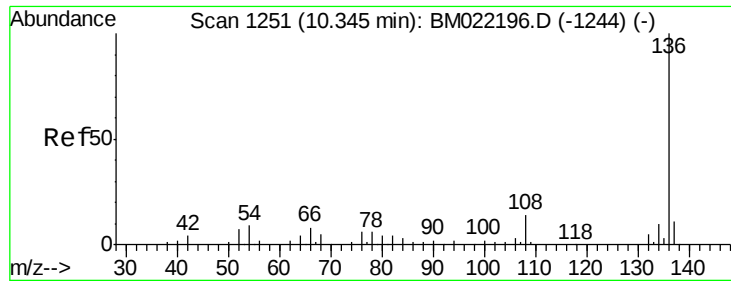
Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Tgt Ion:	94	Resp:	6223
Ion Ratio	Lower	Upper	
94	100		
65	47.5	17.7	57.7
66	91.1	39.6	79.6





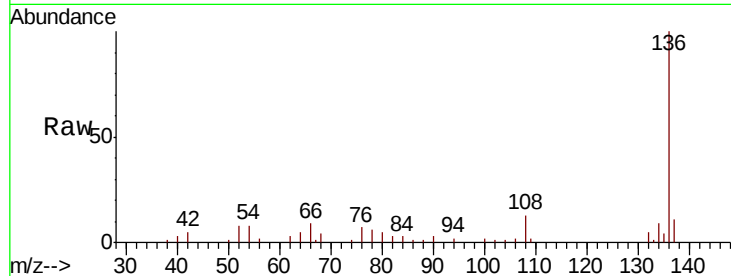
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

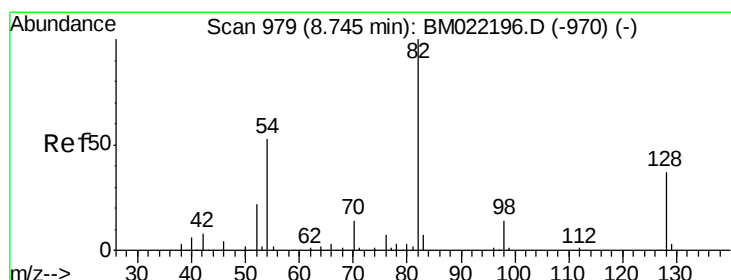
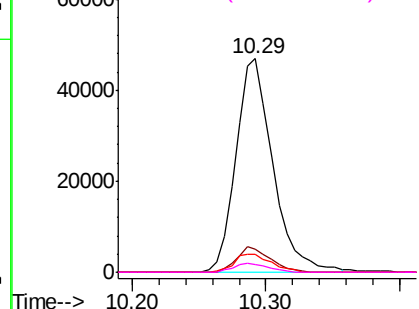
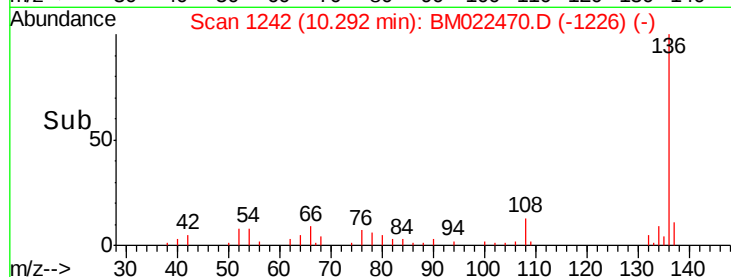
Tot Ion:	136	Resp:	90023
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	8.4	7.0	10.6
68	3.9	2.9	4.3

Manual Integrations
APPROVED

mohammad
9/5/2019 9:13:04 AM

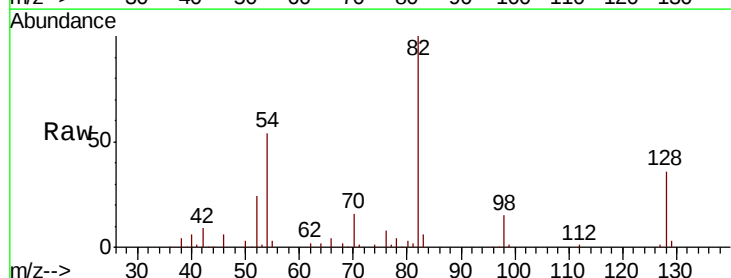


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

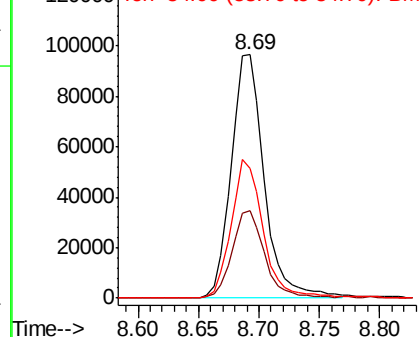
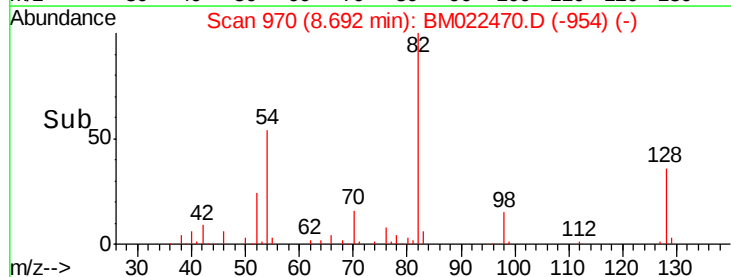


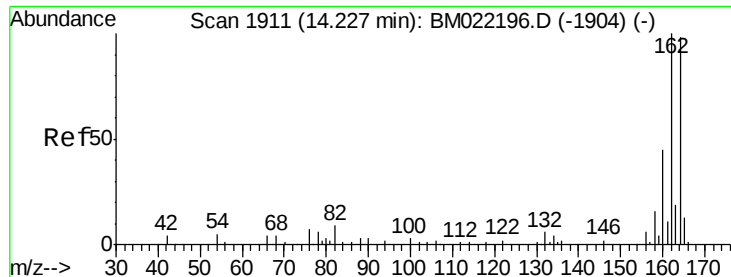
#23
Nitrobenzene-d5
Concen: 89.461 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion:	82	Resp:	183869
Ion Ratio	Lower	Upper	
82	100		
128	36.0	27.9	41.9
54	53.5	45.2	67.8



Abundance Ion 82.00 (81.70 to 82.70): BM
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.18 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

ClientSampleId :

SB-16-COMP

Tot Ion:164 Resp: 58785

Ion Ratio Lower Upper

164 100

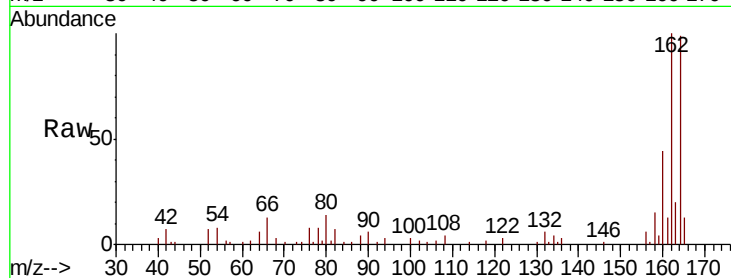
162 101.0 80.6 121.0

160 44.8 37.3 55.9

Manual Integrations
APPROVED

mohammad

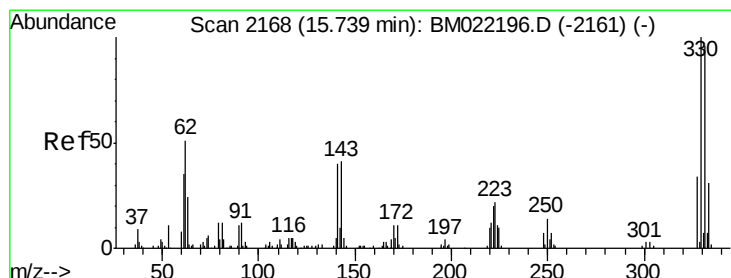
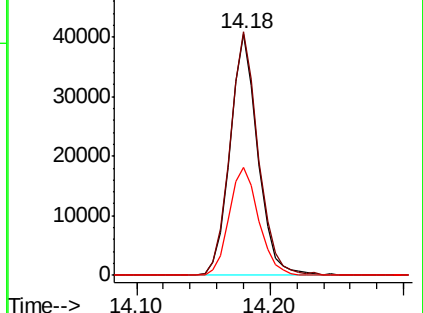
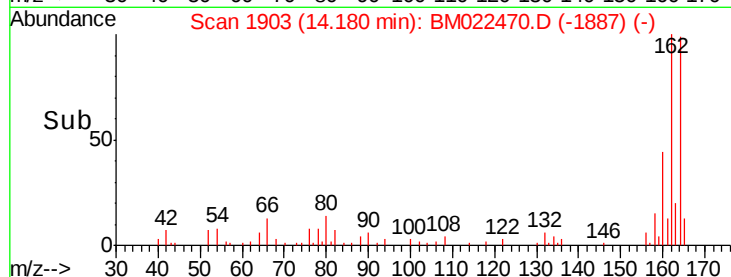
9/5/2019 9:13:04 AM



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 133.140 ng

RT: 15.70 min Scan# 2161

Delta R.T. -0.00 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

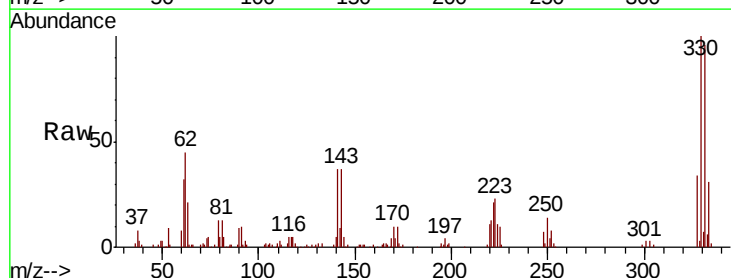
Tgt Ion:330 Resp: 160155

Ion Ratio Lower Upper

330 100

332 95.2 77.8 116.8

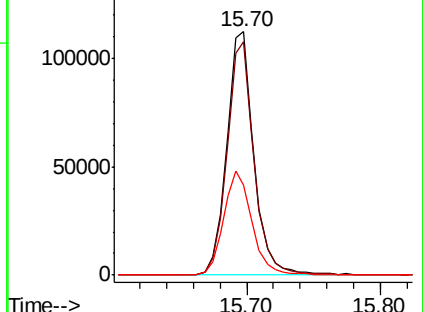
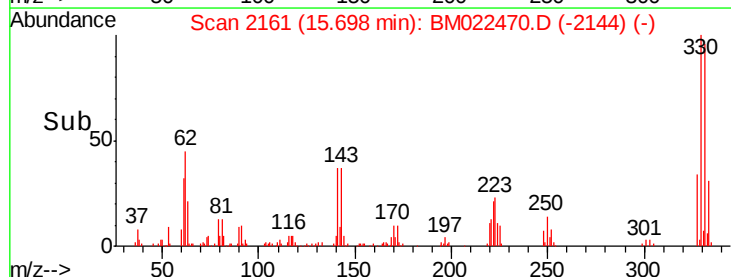
141 44.7 35.6 53.4

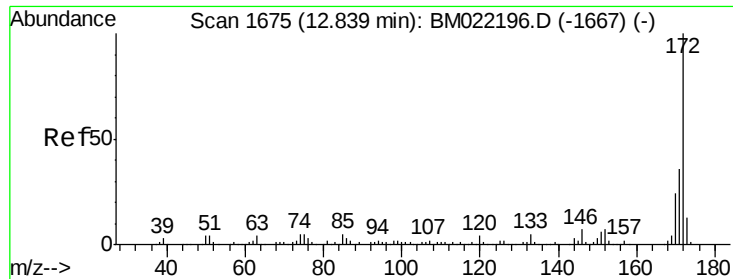


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





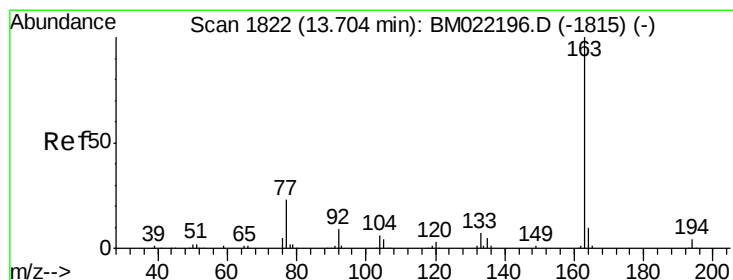
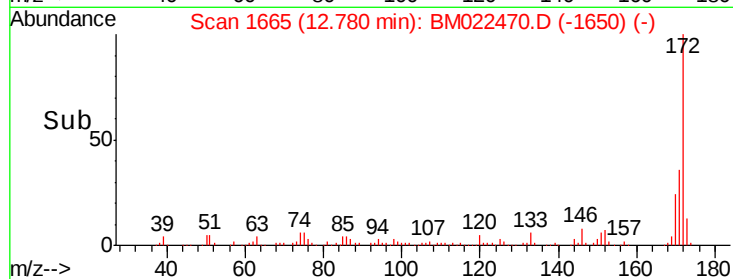
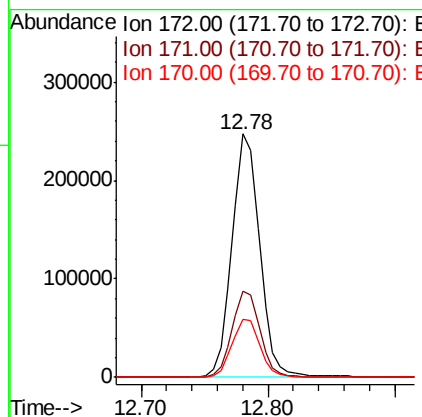
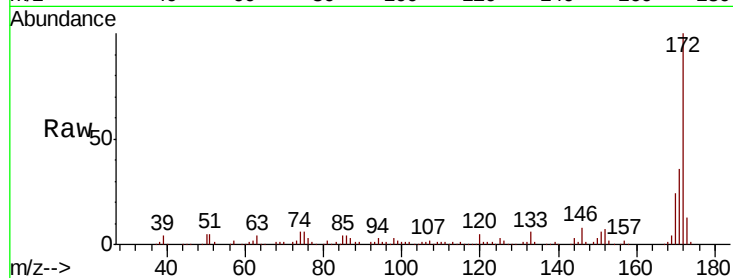
#45
2-Fluorobiphenyl
Concen: 72.267 ng
RT: 12.78 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	23.8	18.9	28.3

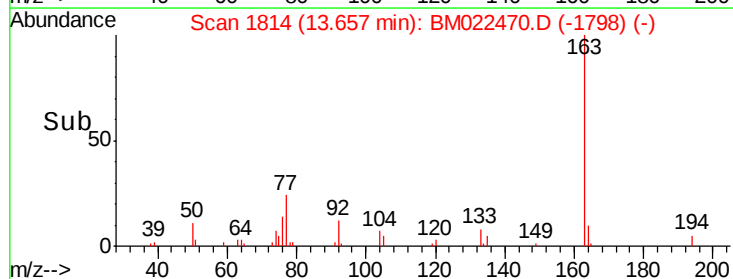
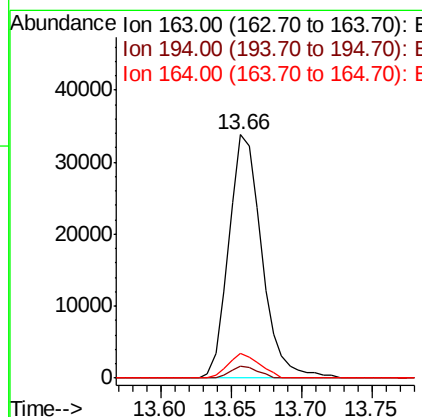
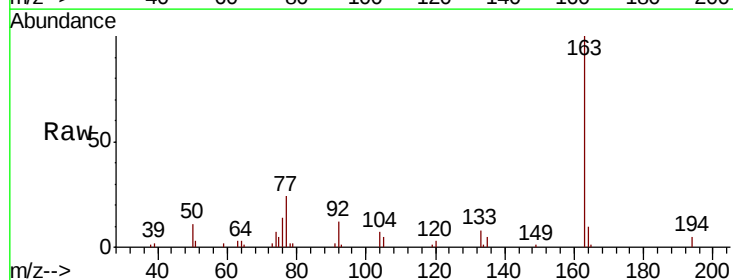
Manual Integrations
APPROVED

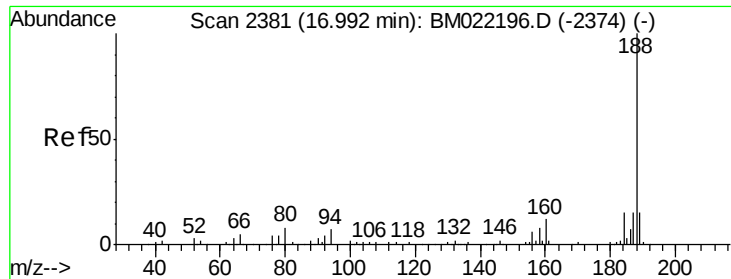
mohammad
9/5/2019 9:13:04 AM



#50
Dimethylphthalate
Concen: 10.835 ng
RT: 13.66 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.4	5.2
164	10.3	8.2	12.2





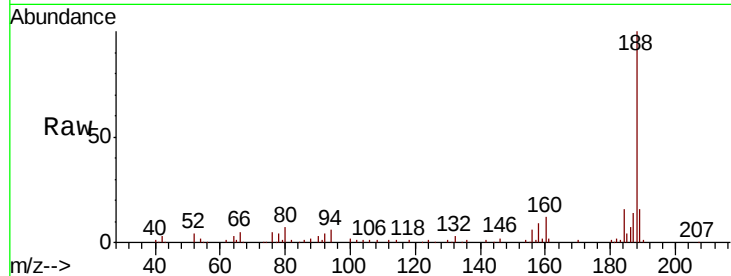
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2374
Delta R.T. -0.00 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

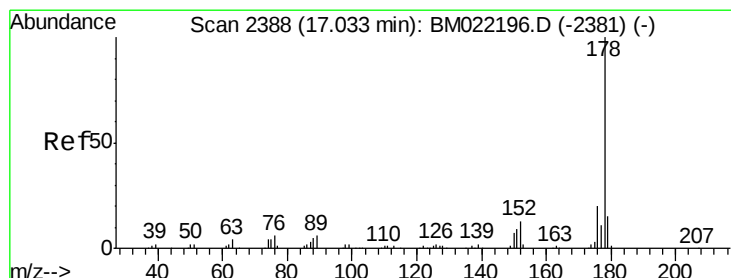
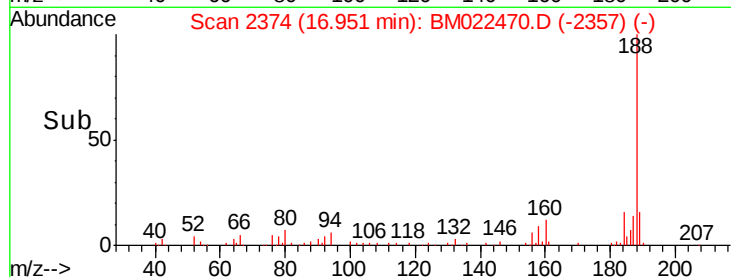
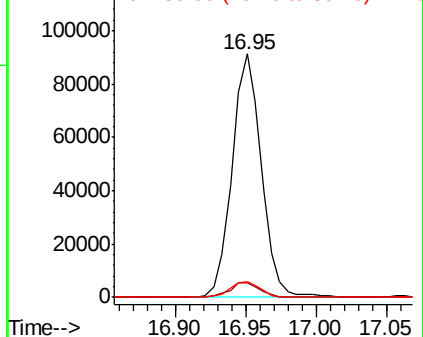
Tot Ion	Ratio	Resp	Lower	Upper
188	100	131518		
94	6.0		4.4	6.6
80	6.7		5.0	7.6

Manual Integrations
APPROVED

mohammad
9/5/2019 9:13:04 AM

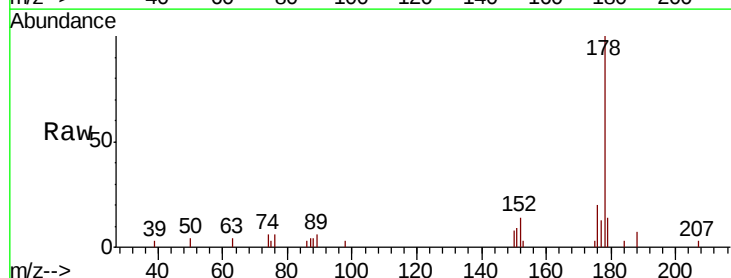


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

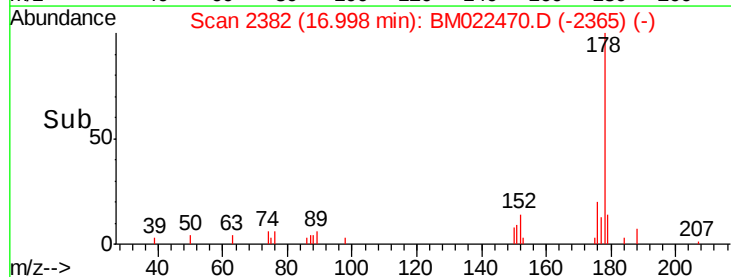
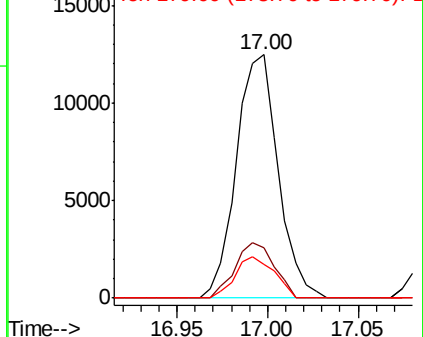


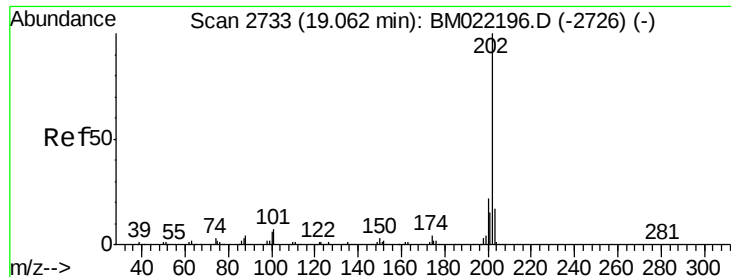
#71
Phenanthrene
Concen: 2.607 ng
RT: 17.00 min Scan# 2382
Delta R.T. -0.00 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	19982		
176	20.5		15.4	23.2
179	13.8		12.3	18.5



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: 6.704 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Instrument :

BNA_M

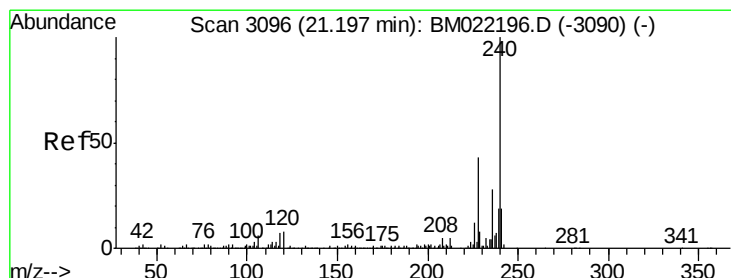
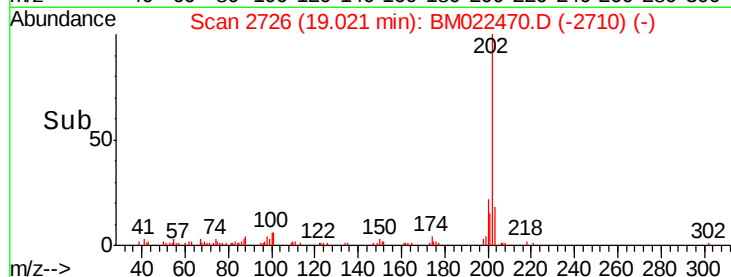
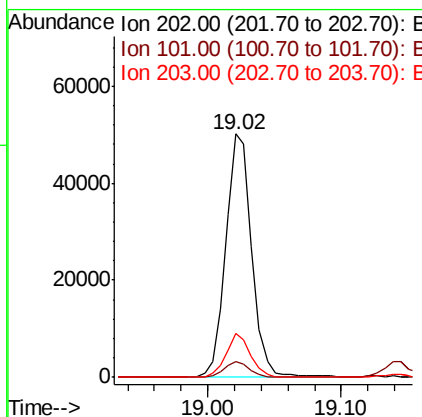
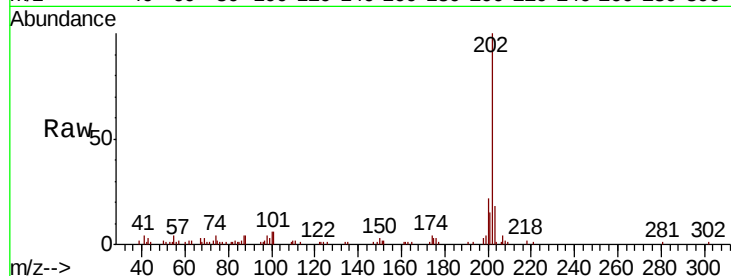
ClientSampleId :

SB-16-COMP

Tot Ion:	202	Resp:	68440
Ion Ratio	Lower	Upper	
202	100		
101	6.3	0.0	25.1
203	17.9	0.0	37.1

Manual Integrations
APPROVED

mohammad
9/5/2019 9:13:04 AM



#76

Chrysene-d12

Concen: 20.000 ng

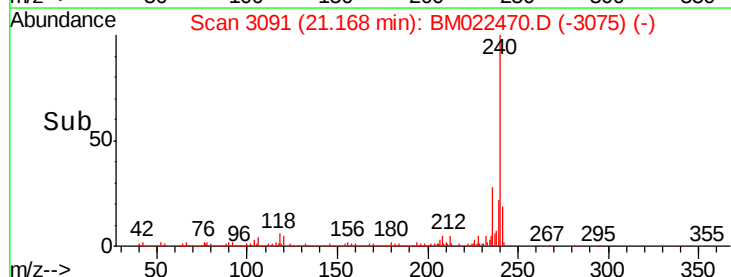
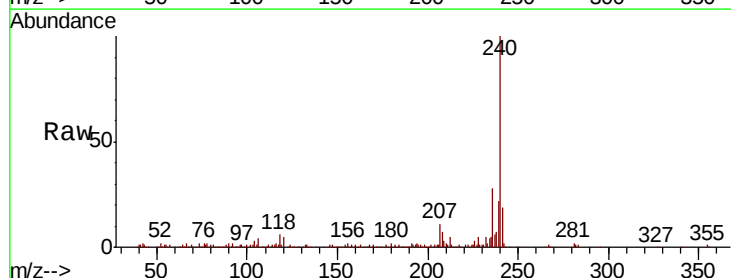
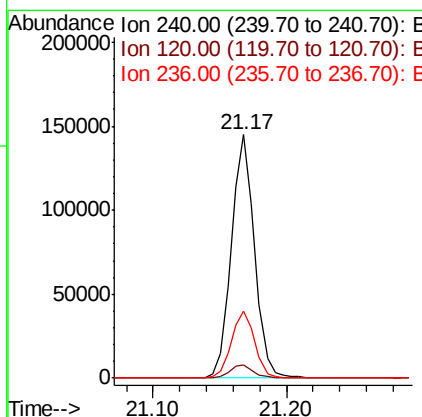
RT: 21.17 min Scan# 3091

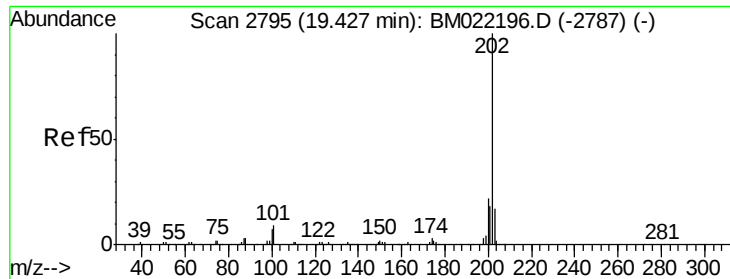
Delta R.T. -0.01 min

Lab File: BM022470.D

Acq: 31 Aug 2019 13:47

Tgt Ion:	240	Resp:	175871
Ion Ratio	Lower	Upper	
240	100		
120	5.2	3.9	5.9
236	27.6	21.4	32.2





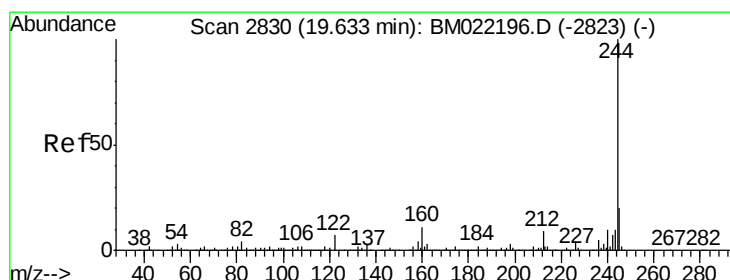
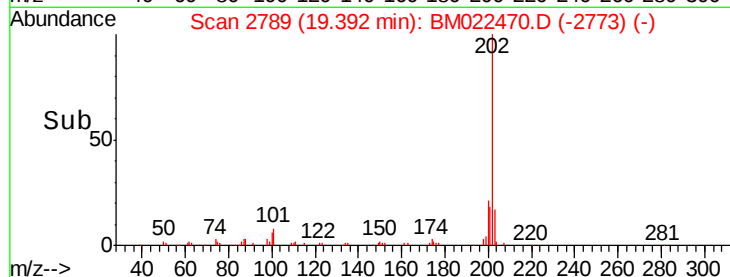
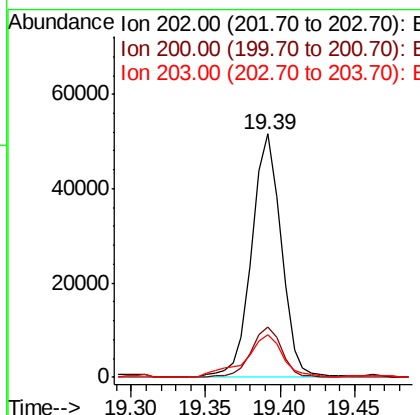
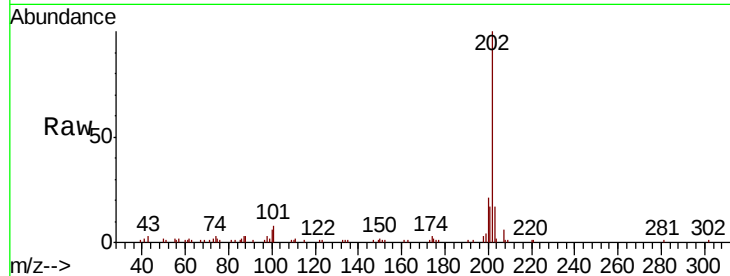
#78
Pvrene
Concen: 5.912 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion:	202	Resp:	70856
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.7	26.5
203	17.3	13.8	20.8

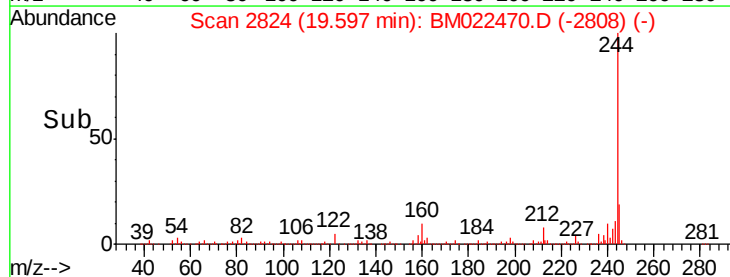
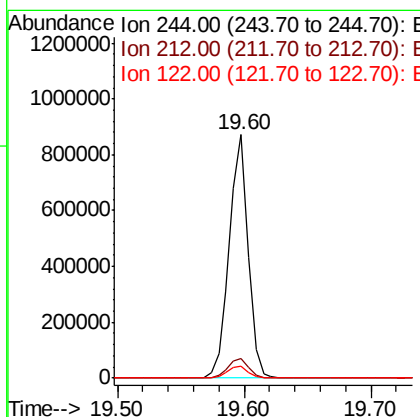
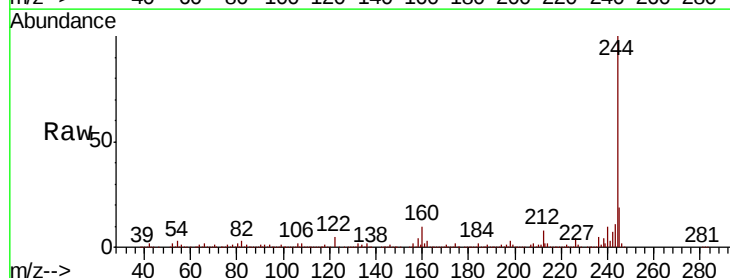
Manual Integrations
APPROVED

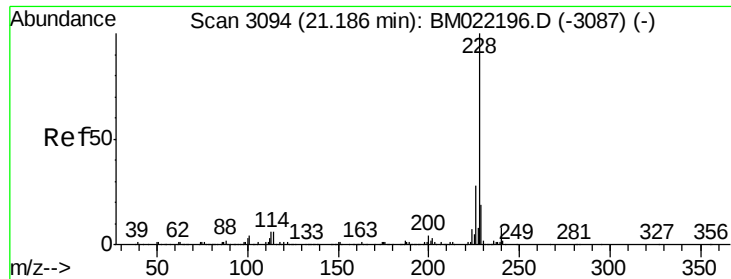
mohammad
9/5/2019 9:13:04 AM



#79
Terphenyl-d14
Concen: 67.285 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion:	244	Resp:	896645
Ion Ratio	Lower	Upper	
244	100		
212	8.2	7.0	10.4
122	4.7	3.9	5.9





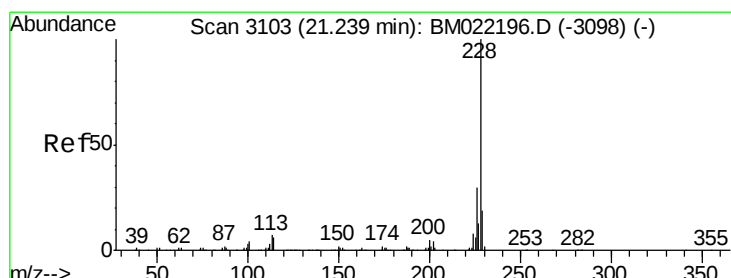
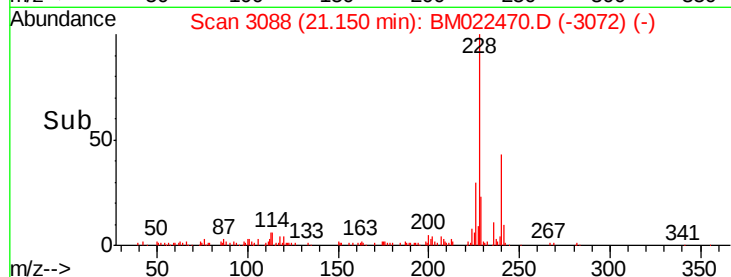
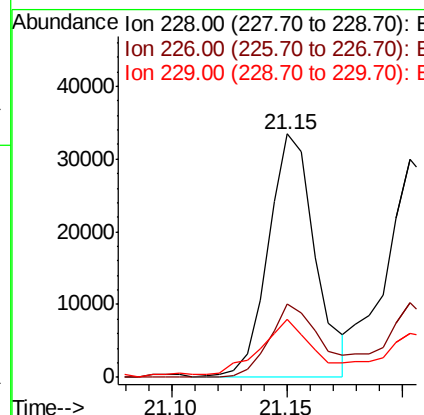
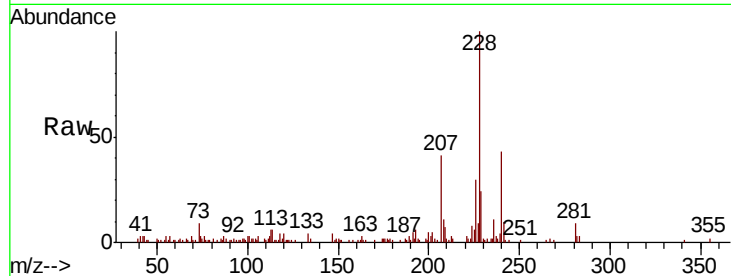
#81
Benzo(a)anthracene
Concen: 3.744 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	34.0
229	24.0	15.9	23.9

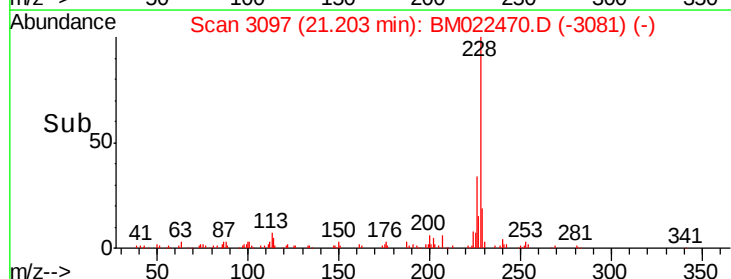
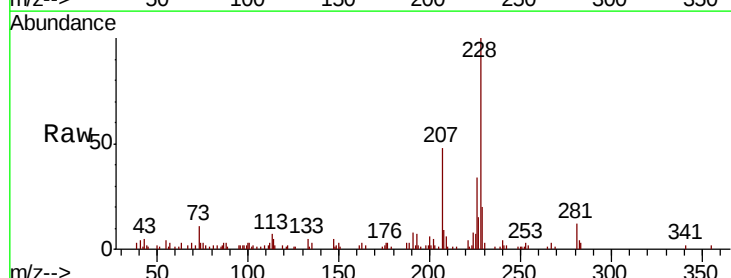
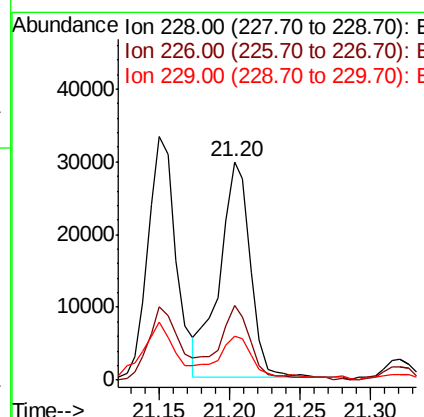
Manual Integrations
APPROVED

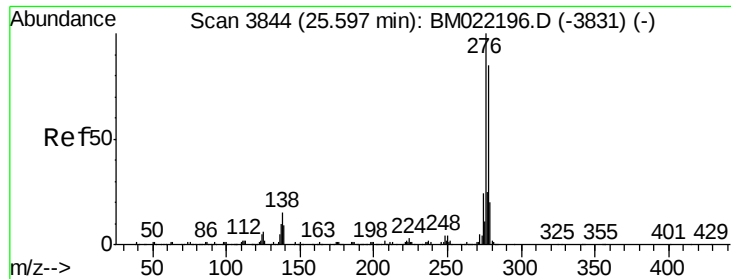
mohammad
9/5/2019 9:13:04 AM



#83
Chrysene
Concen: 3.765 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	24.5	36.7
229	20.2	15.7	23.5





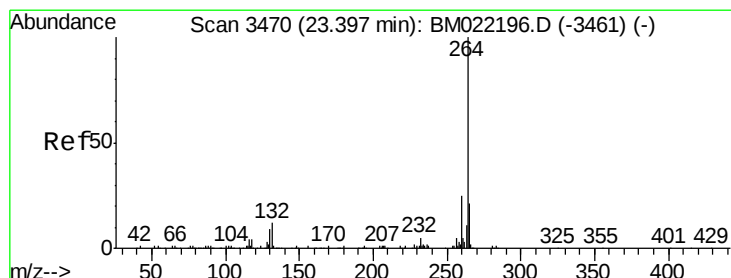
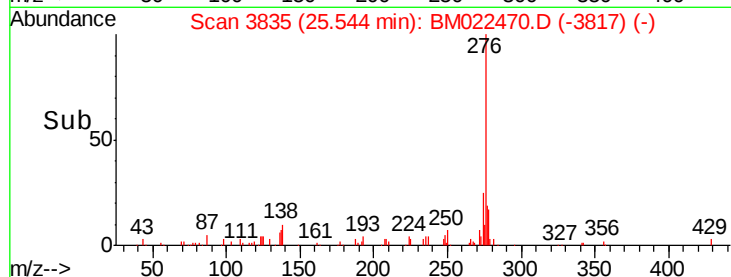
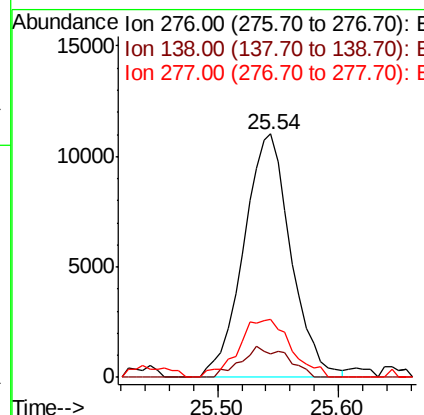
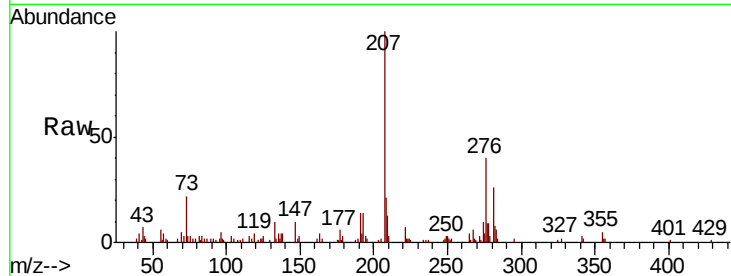
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.475 ng
 RT: 25.54 min Scan# 3835
 Delta R.T. 0.01 min
 Lab File: BM022470.D
 Acq: 31 Aug 2019 13:47

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.3	9.1	13.7
277	26.5	20.0	30.0

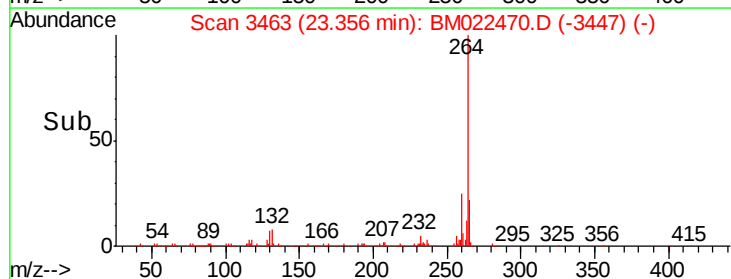
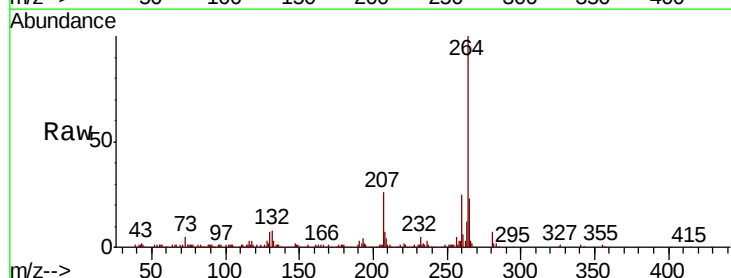
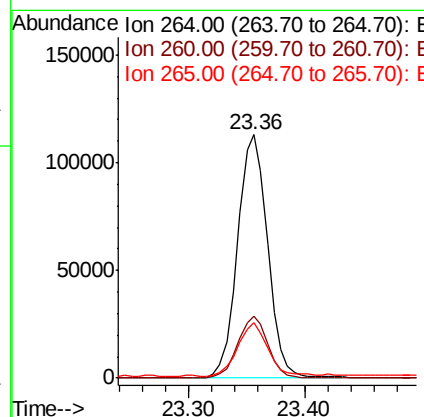
Manual Integrations
 APPROVED

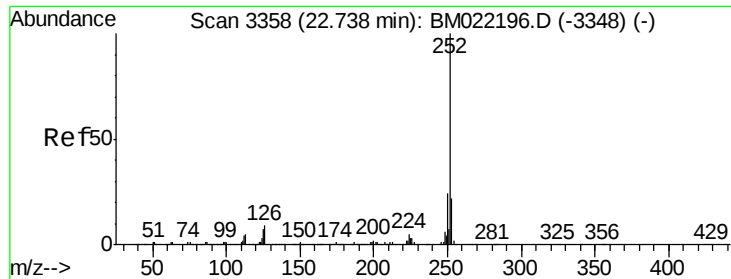
mohammad
 9/5/2019 9:13:04 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022470.D
 Acq: 31 Aug 2019 13:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	22.7	18.2	27.2





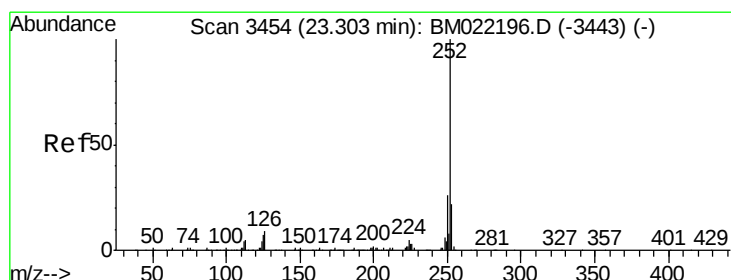
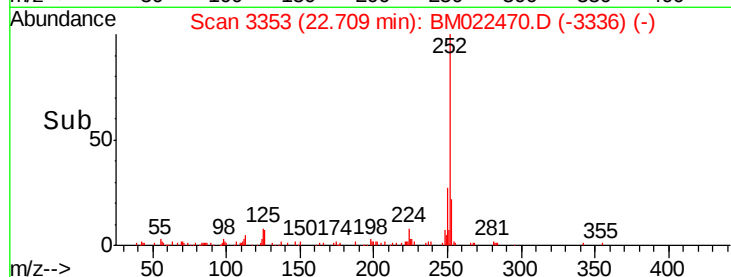
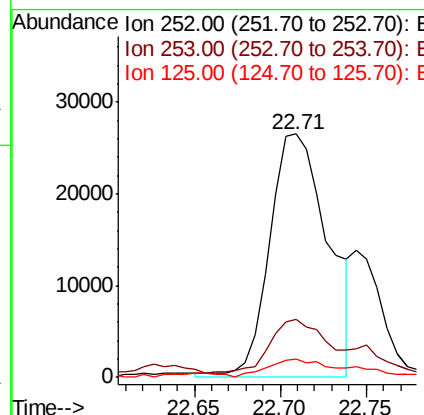
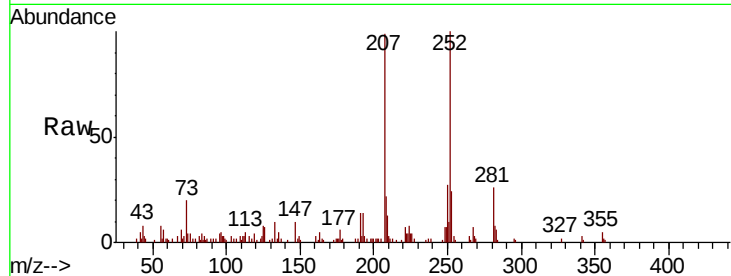
#88
Benzo(b)fluoranthene
Concen: 4.444 ng m
RT: 22.71 min Scan# 3353
Delta R.T. -0.00 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Instrument :
BNA_M
ClientSampleId :
SB-16-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	7.6	3.5	5.3

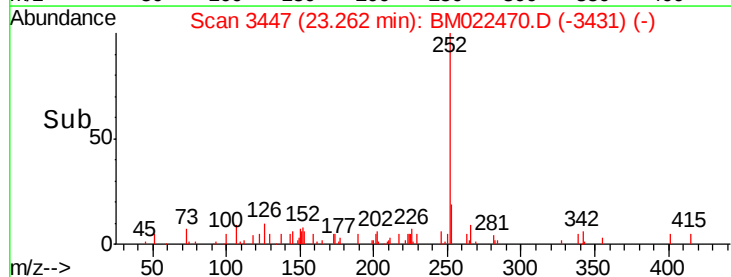
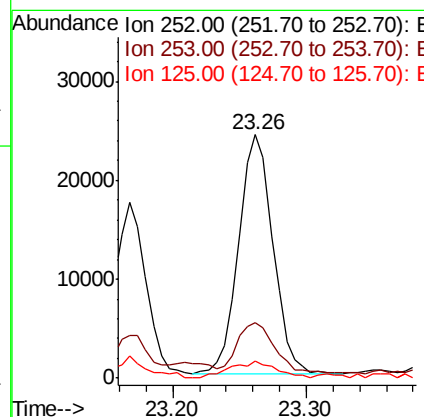
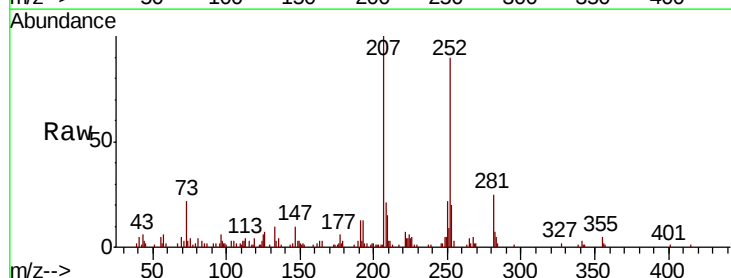
Manual Integrations
APPROVED

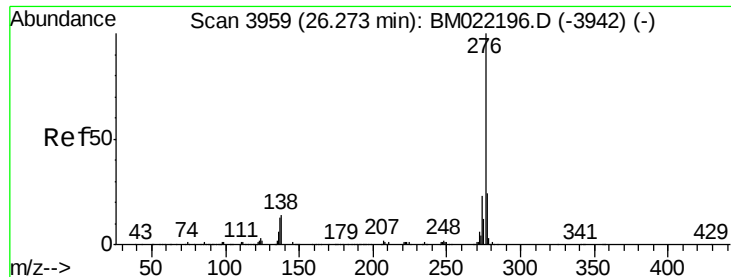
mohammad
9/5/2019 9:13:04 AM



#90
Benzo(a)pyrene
Concen: 3.443 ng
RT: 23.26 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BM022470.D
Acq: 31 Aug 2019 13:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	7.2	3.8	5.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.742 ng
 RT: 26.21 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: BM022470.D
 Acq: 31 Aug 2019 13:47

Instrument :
 BNA_M
 ClientSampleId :
 SB-16-COMP

Tot Ion:	276	Resp:	29978
Ion Ratio	Lower	Upper	
276	100		
277	27.7	19.4	29.0
138	14.2	8.8	13.2

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:13:04 AM

