

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
 Data File : BM026287.D
 Acq On : 08 Jun 2020 15:19
 Operator : JU/CG
 Sample : L2839-20RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 NM21-COMP-2020-0-6RE

Manual Integrations
 APPROVED

mohammad
 6/9/2020 12:21:41 PM

Quant Time: Jun 08 15:56:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	244953	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	1034275	20.00	ng	0.00
39) Acenaphthene-d10	14.09	164	615276	20.00	ng	0.00
64) Phenanthrene-d10	16.84	188	1271552	20.00	ng	0.00
76) Chrysene-d12	21.04	240	958434	20.00	ng	0.00
86) Perylene-d12	23.15	264	903612	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	1084084	78.25	ng	0.00
7) Phenol-d6	6.65	99	1643783	81.93	ng	0.00
23) Nitrobenzene-d5	8.59	82	1240562	58.89	ng	0.00
42) 2,4,6-Tribromophenol	15.59	330	625811	83.97	ng	0.00
45) 2-Fluorobiphenyl	12.70	172	2472213	60.99	ng	0.00
79) Terphenyl-d14	19.50	244	3346954	67.79	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.56	163	331371	7.363	ng	99
71) Phenanthrene	16.88	178	528740	7.985	ng	98
75) Fluoranthene	18.91	202	893909	11.775	ng	99
78) Pyrene	19.27	202	750986	11.859	ng	99
81) Benzo(a)anthracene	21.03	228	328991	5.719	ng	98
83) Chrysene	21.08	228	315304	5.751	ng	98
87) Indeno(1,2,3-cd)pyrene	25.20	276	180443	3.452	ng	96
88) Benzo(b)fluoranthene	22.53	252	379871	6.988	ng	98
89) Benzo(k)fluoranthene	22.57	252	141045m	2.671	ng	
90) Benzo(a)pyrene	23.06	252	270454	5.602	ng	99
92) Benzo(g,h,i)perylene	25.82	276	176340	4.247	ng	98

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

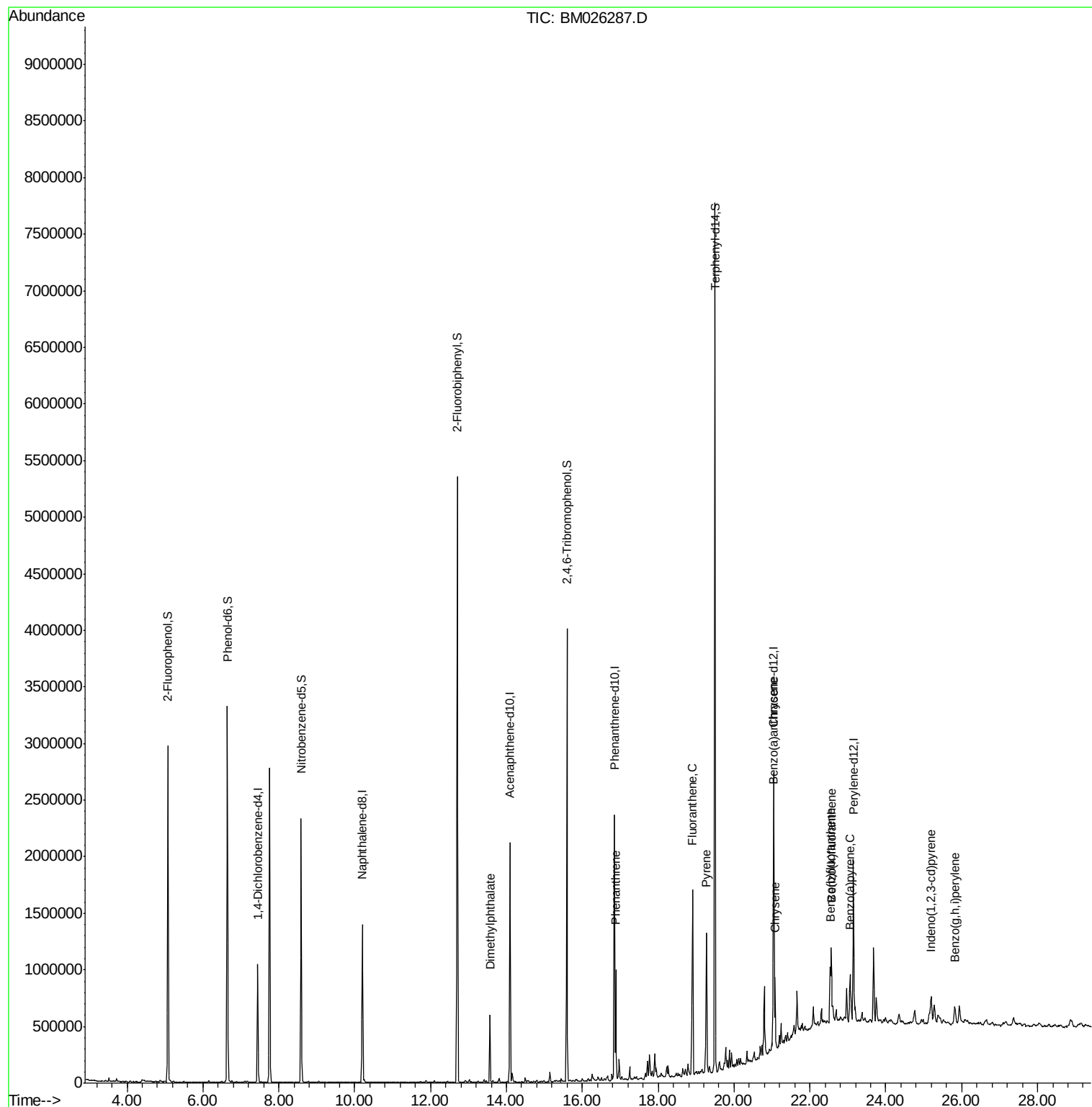
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
Data File : BM026287.D
Acq On : 08 Jun 2020 15:19
Operator : JU/CG
Sample : L2839-20RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

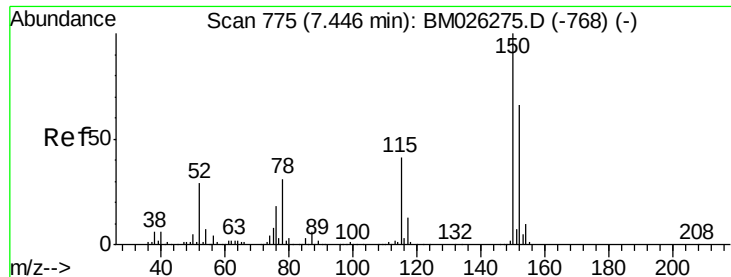
Instrument :
BNA_M
ClientSampleId :
NM21-COMP-2020-0-6RE

Manual Integrations
APPROVED

mohammad
6/9/2020 12:21:41 PM

Quant Time: Jun 08 15:56:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 15:00:18 2020
Response via : Initial Calibration





#1

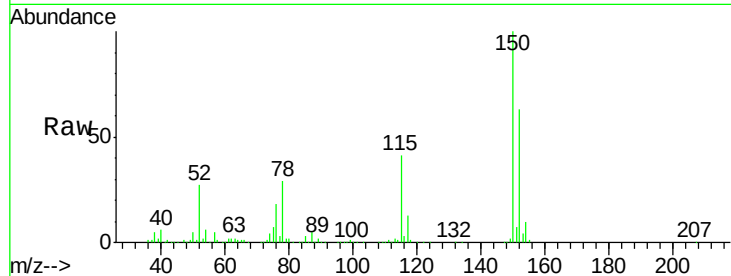
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. 0.00 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Instrument :
BNA_M
ClientSampleId :
NM21-COMP-2020-0-6RE

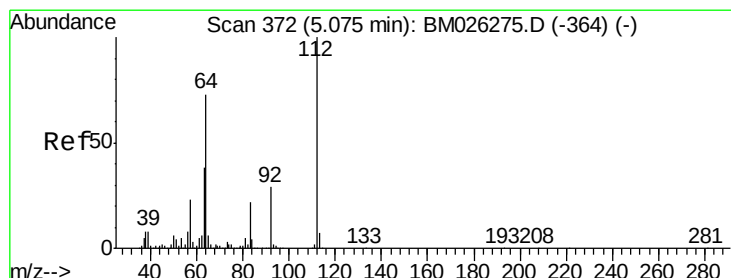
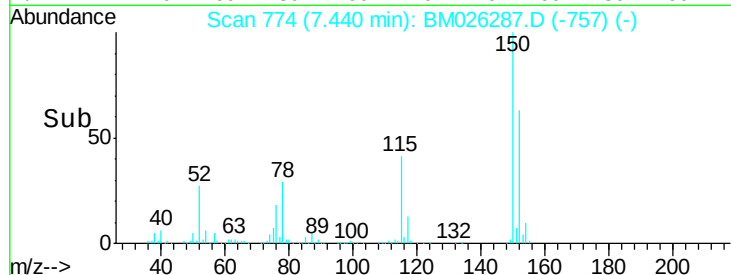
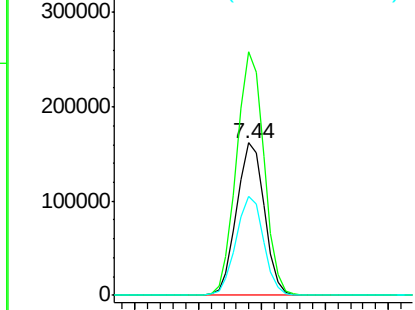
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.1	183.1
115	64.6	49.7	74.5

Manual Integrations
APPROVED

mohammad
6/9/2020 12:21:41 PM



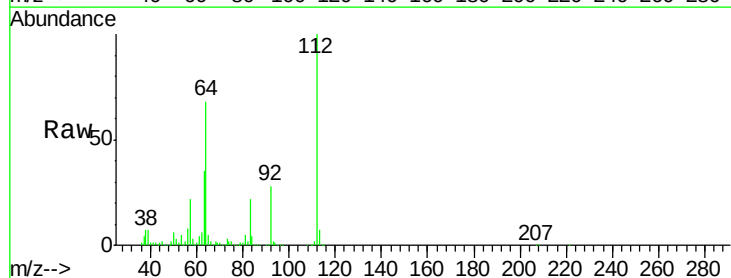
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



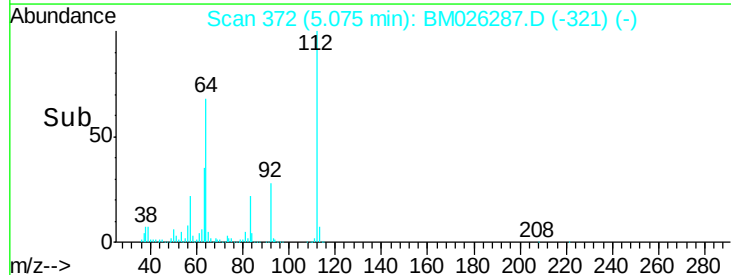
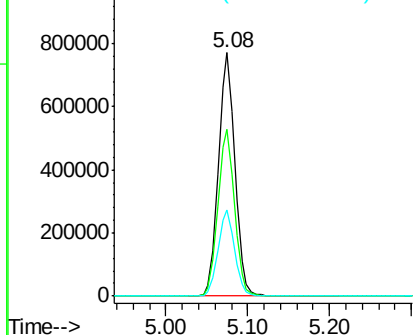
#5

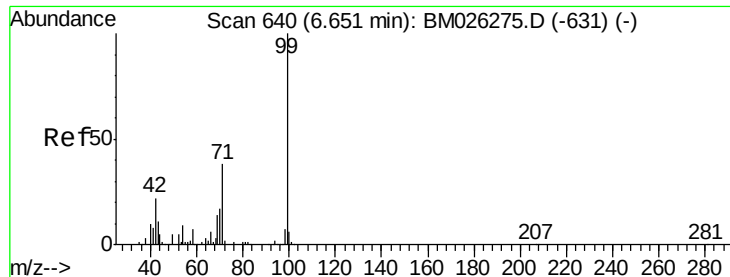
2-Fluorophenol
Concen: 78.248 ng
RT: 5.08 min Scan# 372
Delta R.T. 0.00 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	58.1	87.1
63	35.5	30.6	45.8



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: 81.935 ng

RT: 6.65 min Scan# 639

Delta R.T. 0.00 min

Lab File: BM026287.D

Acq: 08 Jun 2020 15:19

Instrument :

BNA_M

ClientSampleId :

NM21-COMP-2020-0-6RE

Tot Ion: 99 Resp: 1643783

Ion Ratio Lower Upper

99 100

42 21.3 18.0 27.0

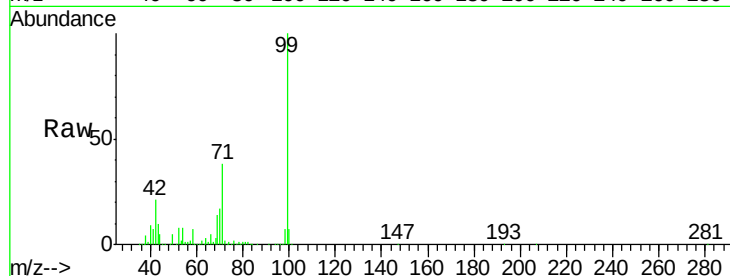
71 37.6 30.6 45.8

Manual Integrations

APPROVED

mohammad

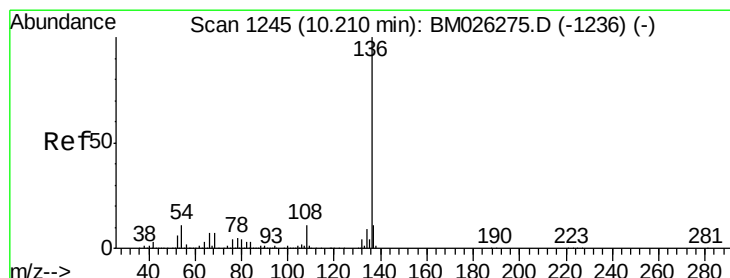
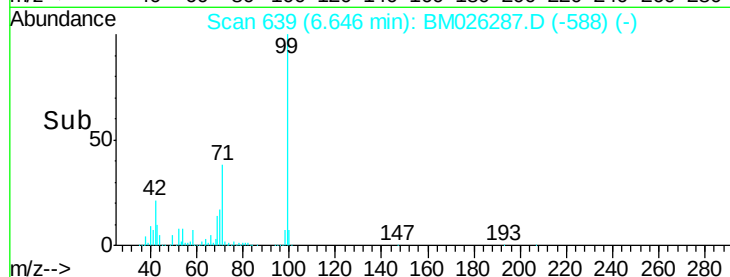
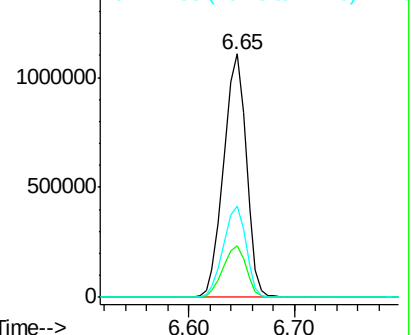
6/9/2020 12:21:41 PM



Abundance Ion 99.00 (98.70 to 99.70): BM026287.D (-588) (-)

Ion 42.00 (41.70 to 42.70): BM026287.D (-588) (-)

Ion 71.00 (70.70 to 71.70): BM026287.D (-588) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.20 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BM026287.D

Acq: 08 Jun 2020 15:19

Tgt Ion: 136 Resp: 1034275

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 10.4 9.0 13.4

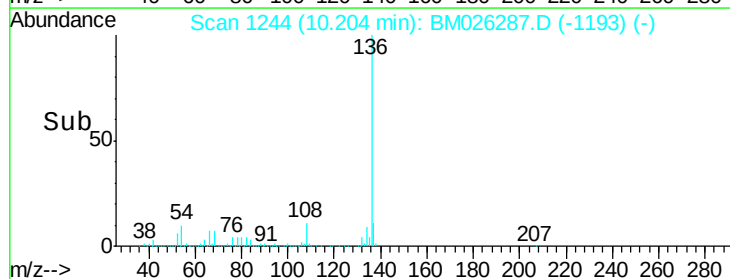
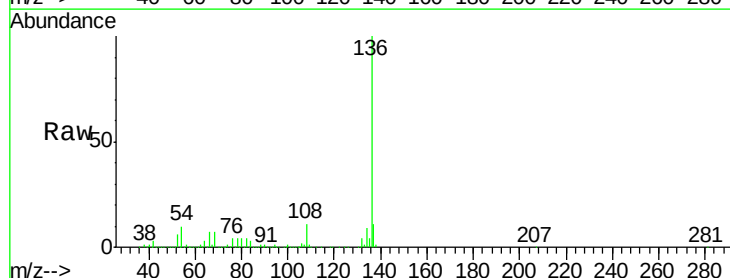
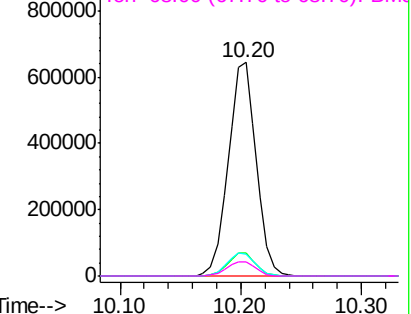
68 6.9 5.6 8.4

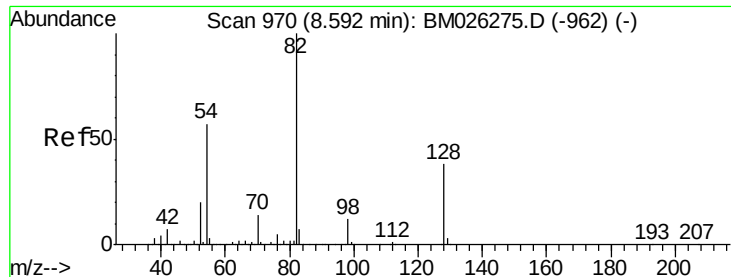
Abundance Ion 136.00 (135.70 to 136.70): BM026287.D (-1193) (-)

Ion 137.00 (136.70 to 137.70): BM026287.D (-1193) (-)

Ion 54.00 (53.70 to 54.70): BM026287.D (-1193) (-)

Ion 68.00 (67.70 to 68.70): BM026287.D (-1193) (-)





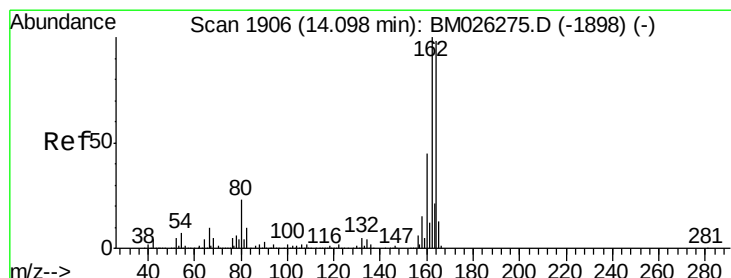
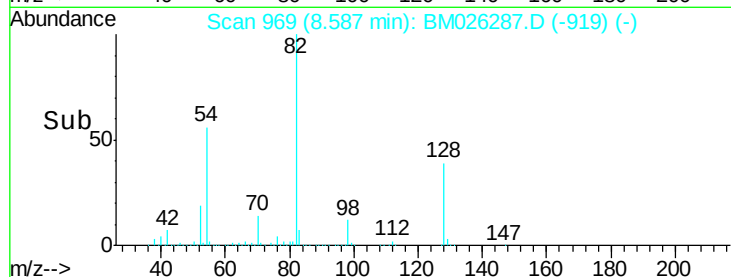
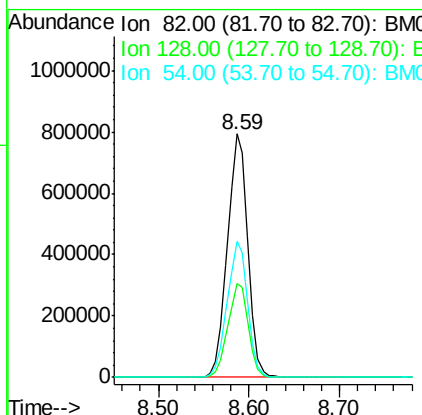
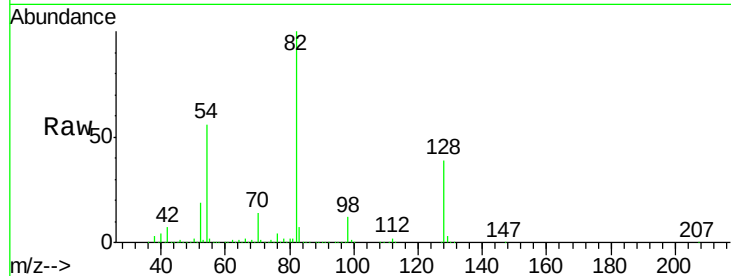
#23
 Nitrobenzene-d5
 Concen: 58.893 ng
 RT: 8.59 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

Instrument :
 BNA_M
 ClientSampleId :
 NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.3	45.5
54	55.8	45.4	68.2

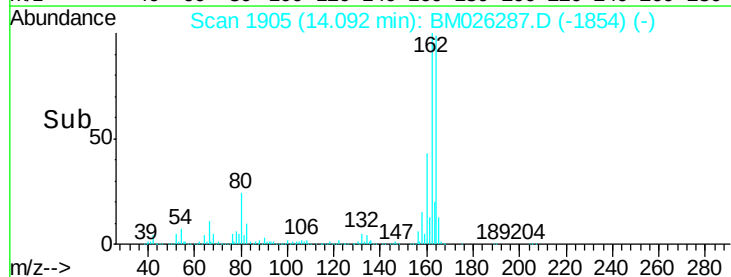
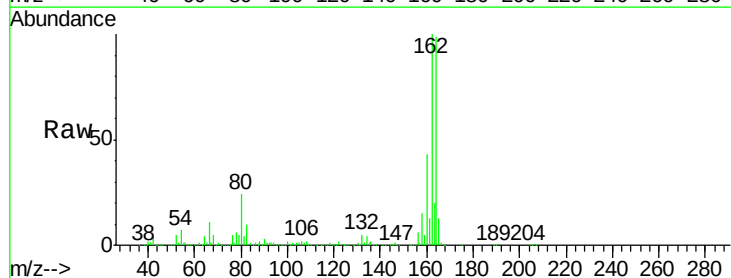
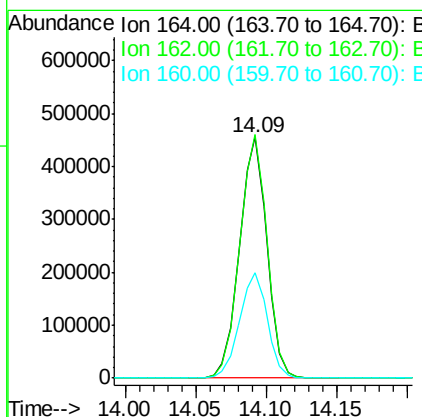
Manual Integrations
 APPROVED

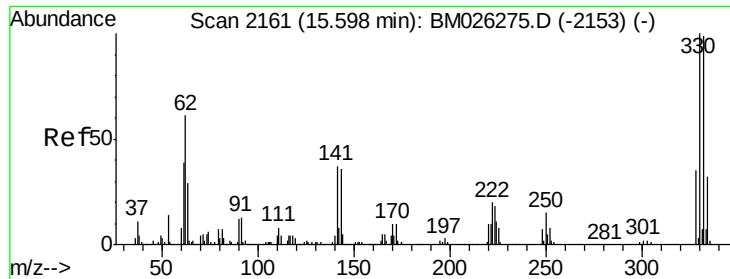
mohammad
 6/9/2020 12:21:41 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.09 min Scan# 1905
 Delta R.T. 0.00 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.4	122.2
160	43.9	36.4	54.6





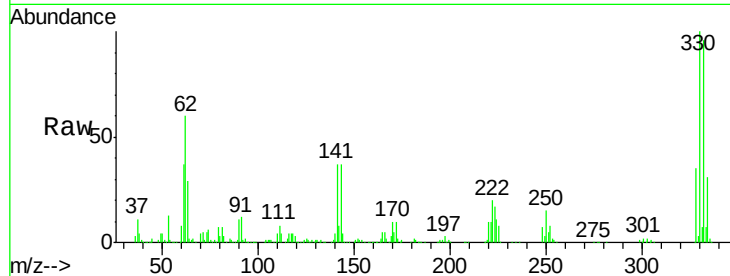
#42
 2,4,6-Tribromophenol
 Concen: 83.966 ng
 RT: 15.59 min Scan# 2160
 Delta R.T. 0.00 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

Instrument :
 BNA_M
 ClientSampleId :
 NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.1	117.1
141	37.7	30.0	45.0

Manual Integrations
 APPROVED

mohammad
 6/9/2020 12:21:41 PM

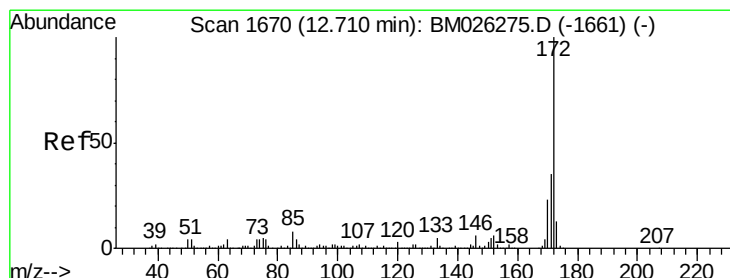
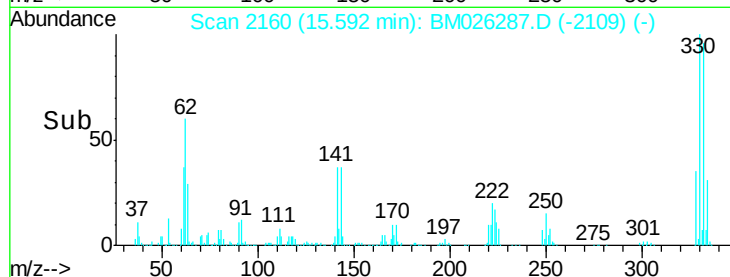
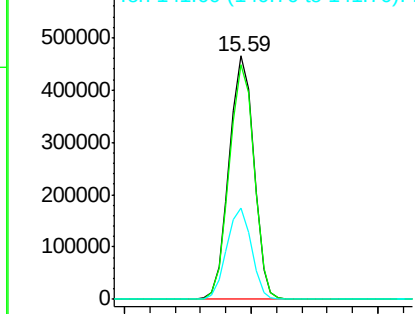


Abundance

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



#45
 2-Fluorobiphenyl
 Concen: 60.993 ng
 RT: 12.70 min Scan# 1669
 Delta R.T. 0.00 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

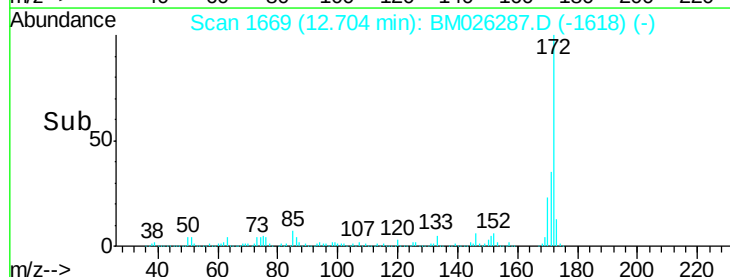
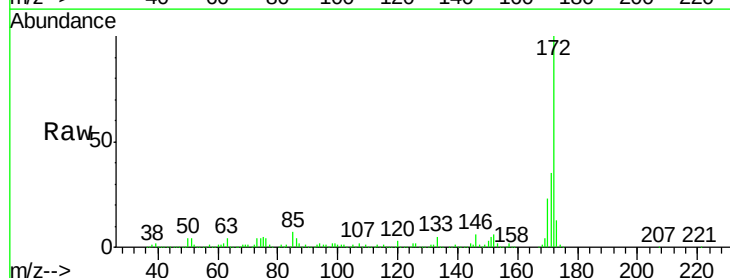
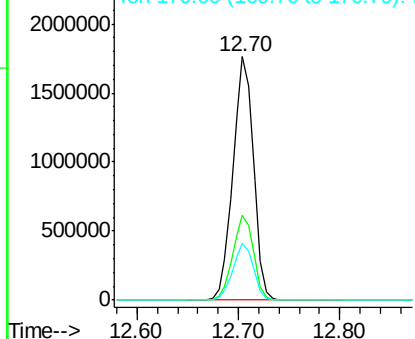
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.1	18.3	27.5

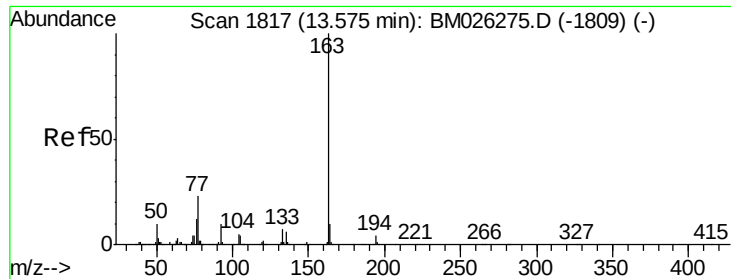
Abundance

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





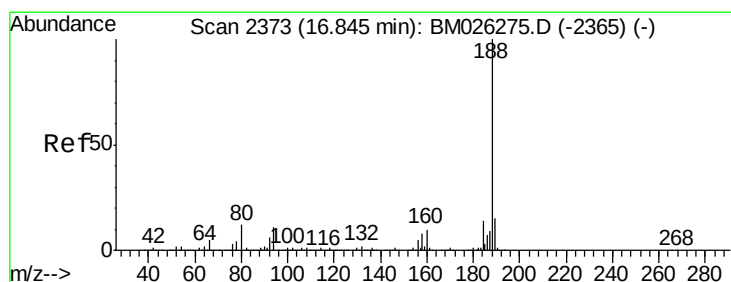
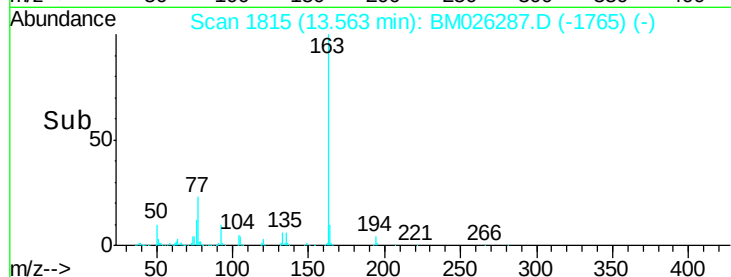
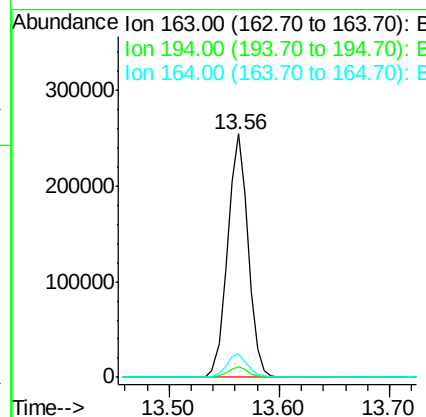
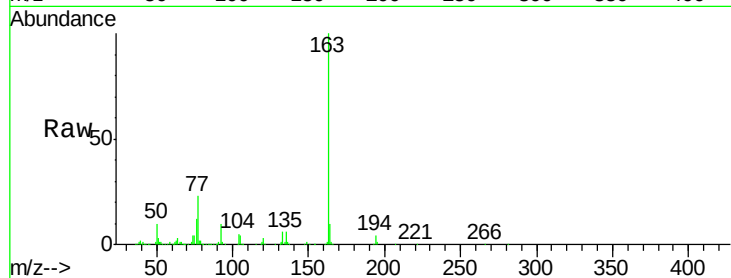
#50
Dimethylphthalate
Concen: 7.363 ng
RT: 13.56 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Instrument :
BNA_M
ClientSampleId :
NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.7	8.0	12.0

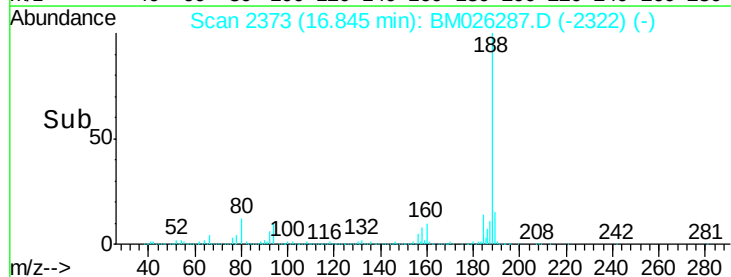
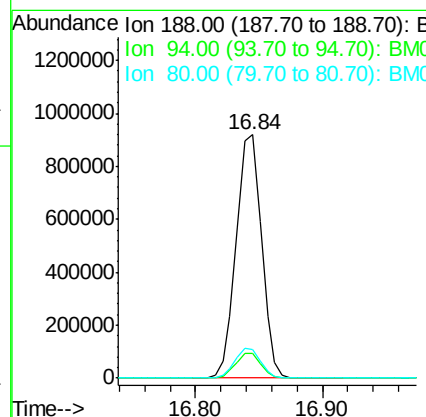
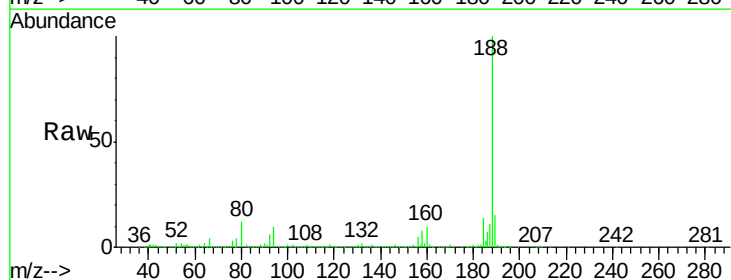
Manual Integrations
APPROVED

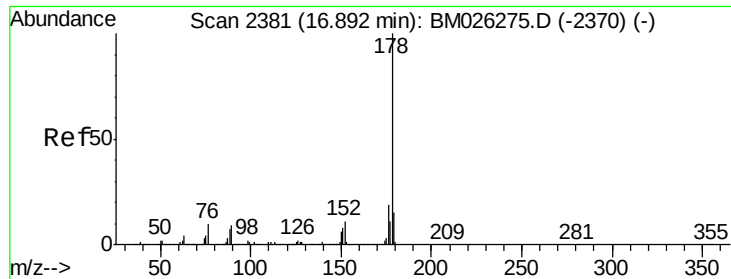
mohammad
6/9/2020 12:21:41 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.84 min Scan# 2373
Delta R.T. 0.00 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.6	12.8
80	11.6	9.7	14.5





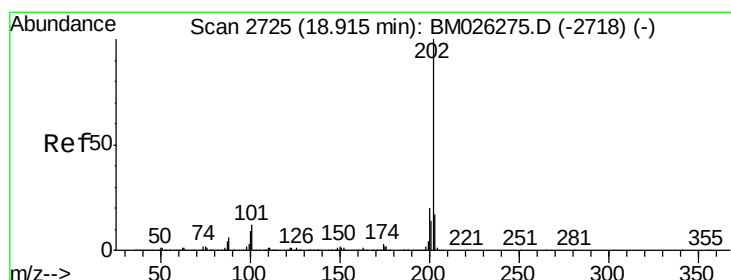
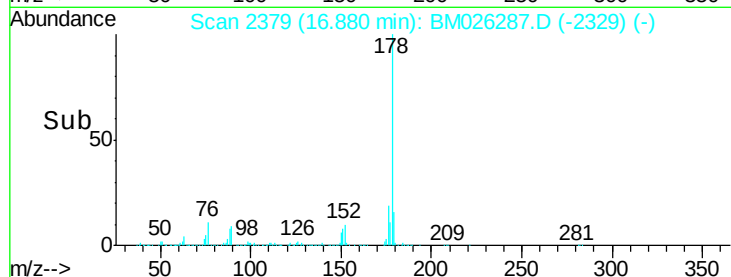
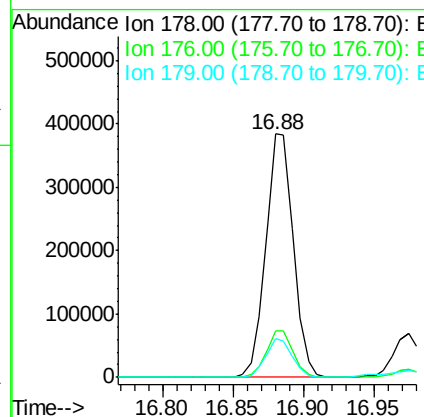
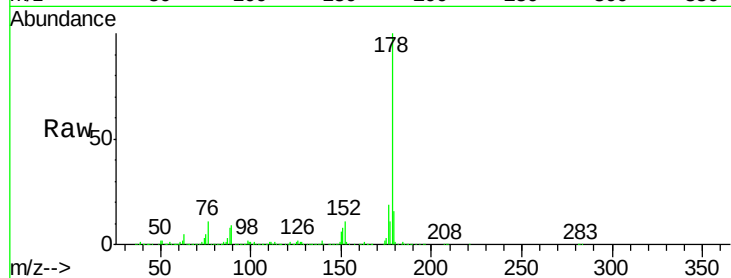
#71
Phenanthrene
Concen: 7.985 ng
RT: 16.88 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Instrument :
BNA_M
ClientSampleId :
NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	15.7	12.0	18.0

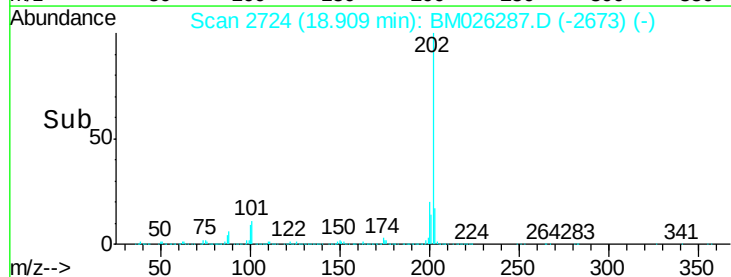
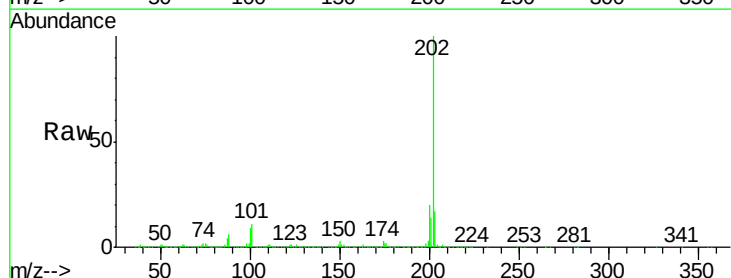
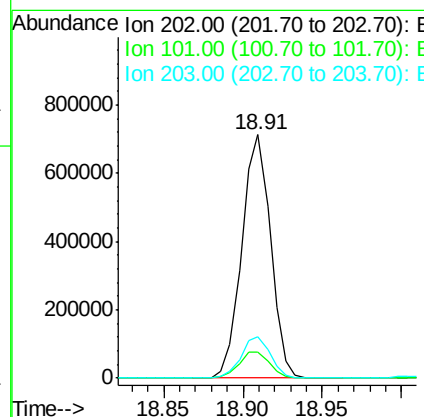
Manual Integrations
APPROVED

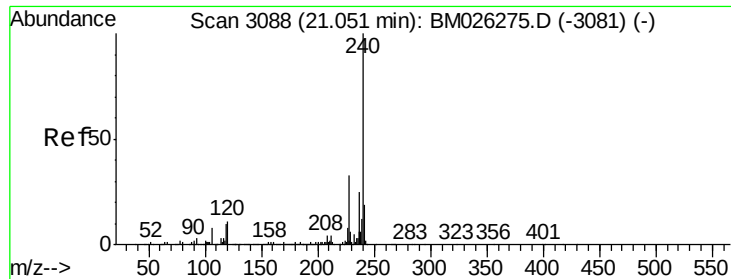
mohammad
6/9/2020 12:21:41 PM



#75
Fluoranthene
Concen: 11.775 ng
RT: 18.91 min Scan# 2724
Delta R.T. 0.00 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.6
203	17.2	0.0	37.4





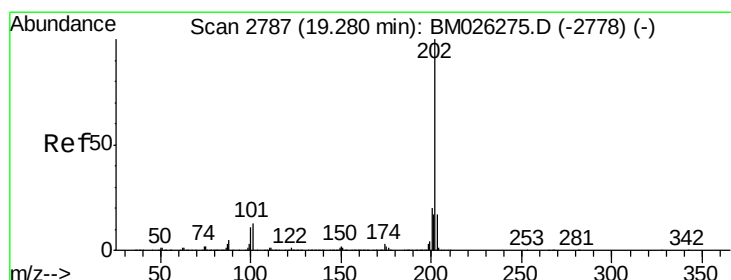
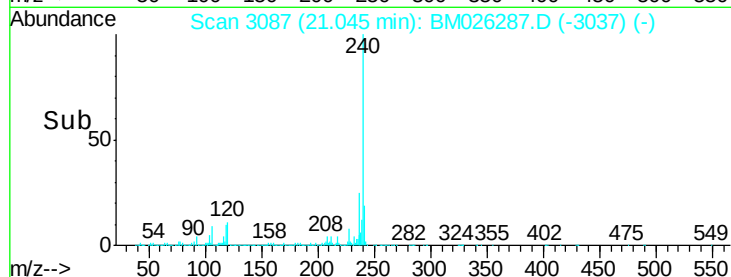
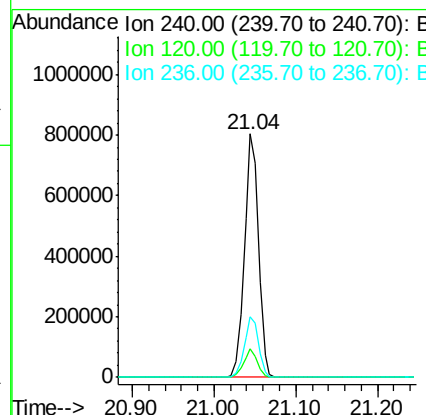
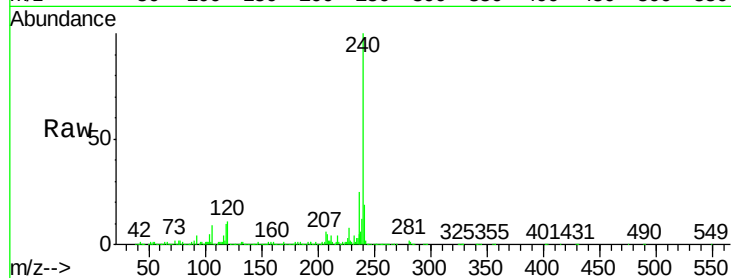
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3087
Delta R.T. -0.01 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Instrument :
BNA_M
ClientSampleId :
NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	25.0	19.7	29.5

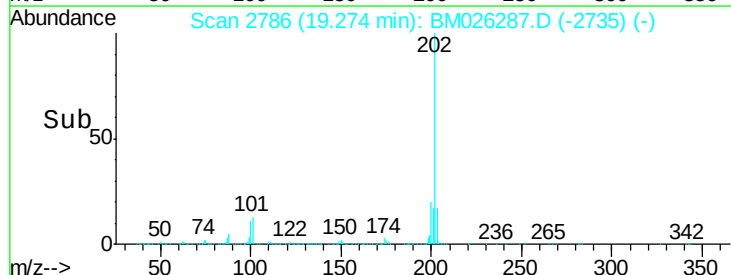
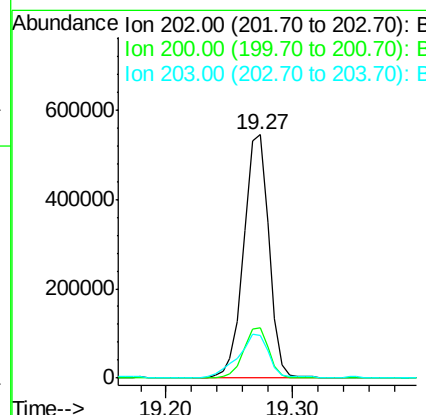
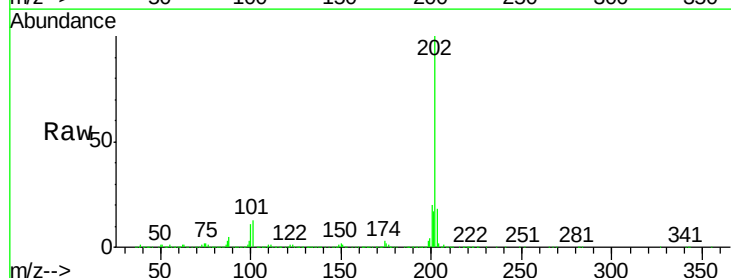
Manual Integrations
APPROVED

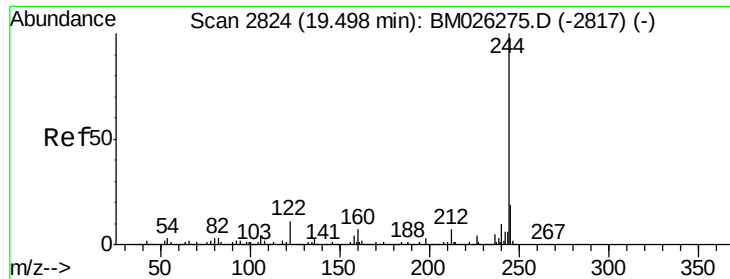
mohammad
6/9/2020 12:21:41 PM



#78
Pyrene
Concen: 11.859 ng
RT: 19.27 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	17.6	13.8	20.8





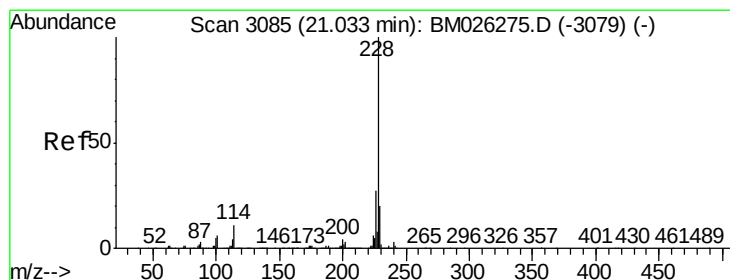
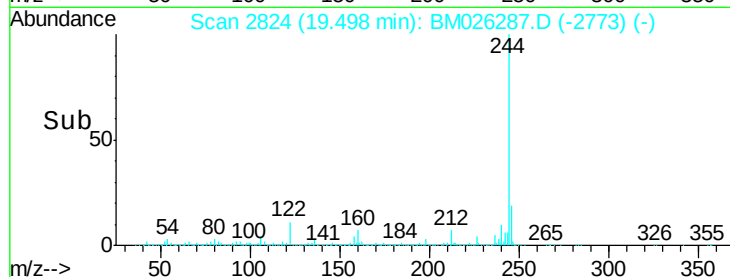
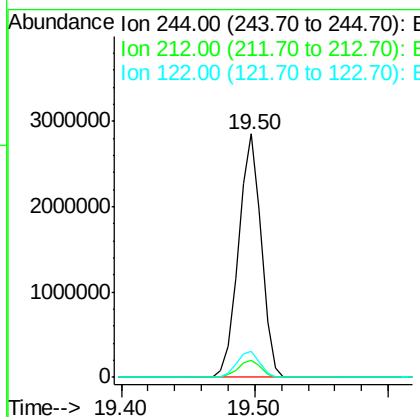
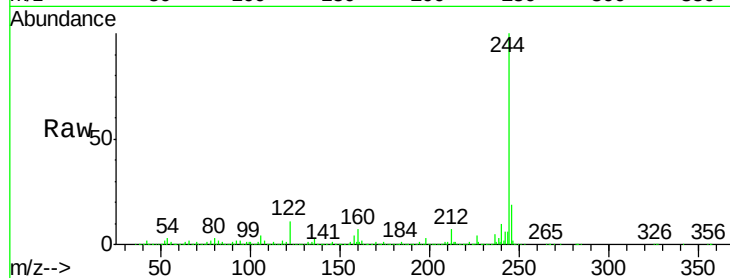
#79
 Terphenyl-d14
 Concen: 67.788 ng
 RT: 19.50 min Scan# 2824
 Delta R.T. 0.00 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

Instrument :
 BNA_M
 ClientSampleId :
 NM21-COMP-2020-0-6RE

Tot Ion:244 Resp: 3346954
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 10.6 9.1 13.7

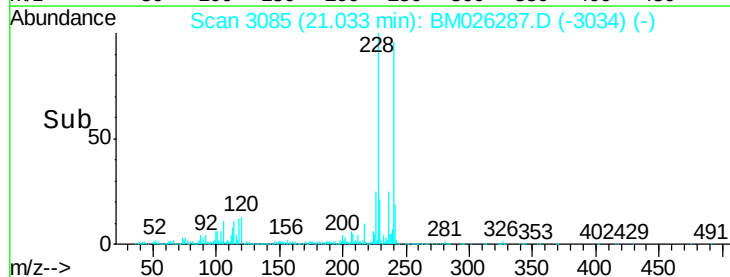
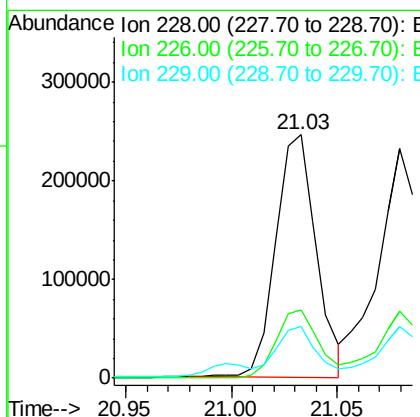
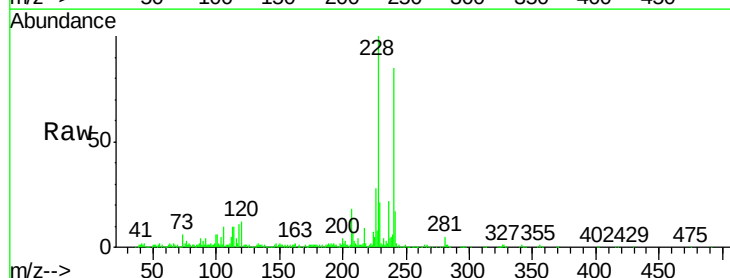
Manual Integrations
 APPROVED

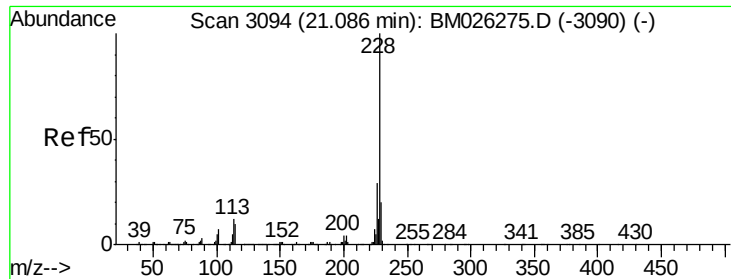
mohammad
 6/9/2020 12:21:41 PM



#81
 Benzo(a)anthracene
 Concen: 5.719 ng
 RT: 21.03 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

Tgt Ion:228 Resp: 328991
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 21.3 15.9 23.9





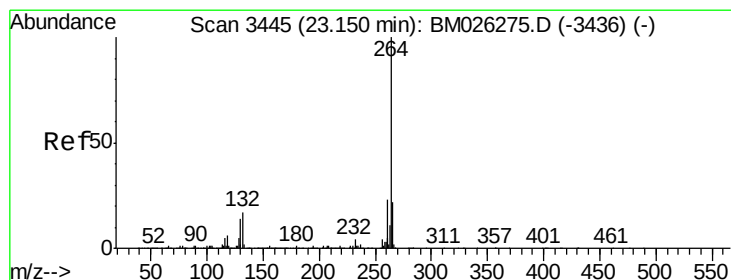
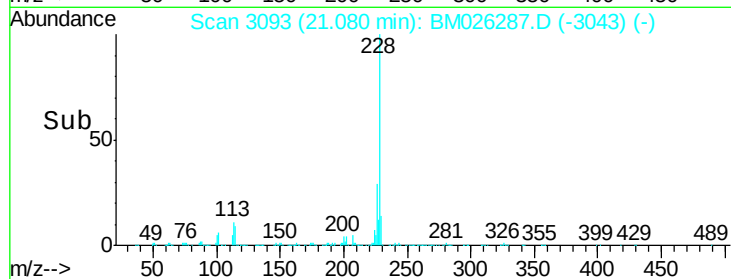
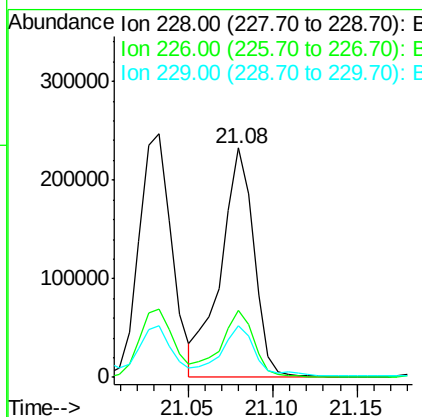
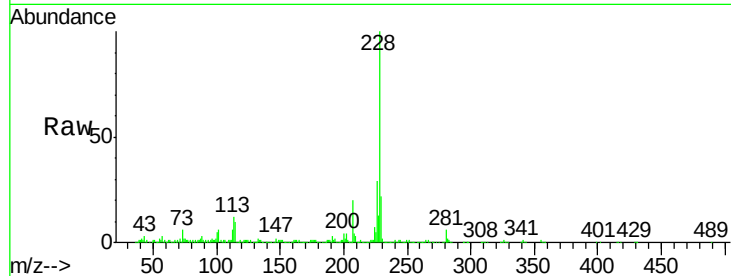
#83
Chrysene
Concen: 5.751 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Instrument :
BNA_M
ClientSampleId :
NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.5	35.3
229	22.3	15.8	23.6

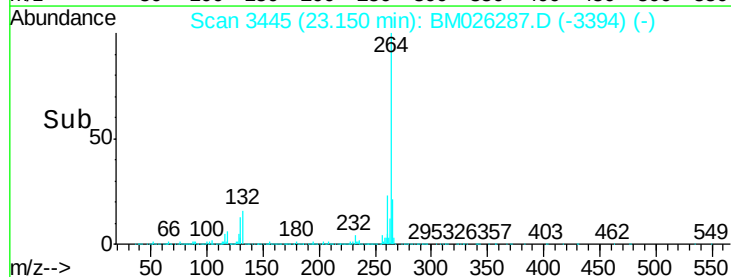
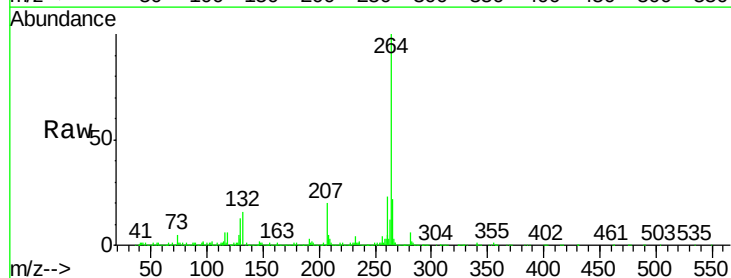
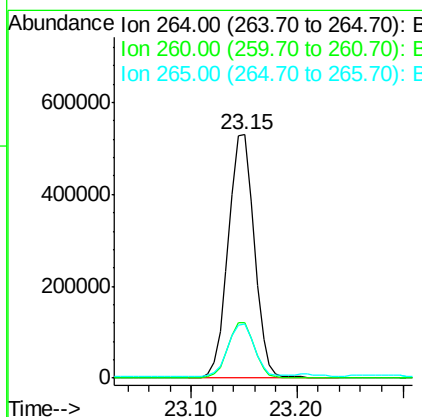
Manual Integrations
APPROVED

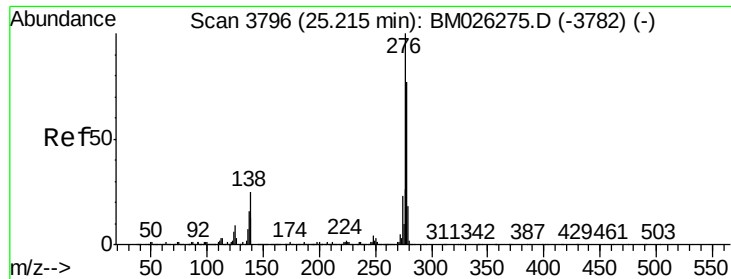
mohammad
6/9/2020 12:21:41 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. 0.00 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	22.1	18.2	27.2





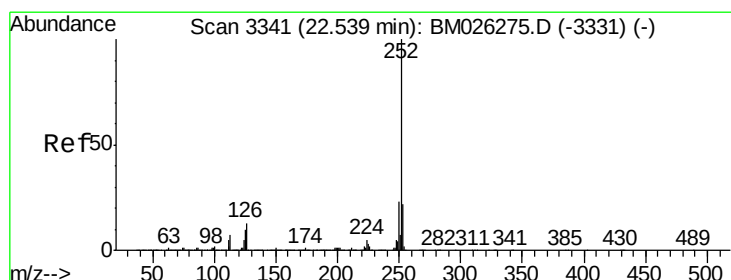
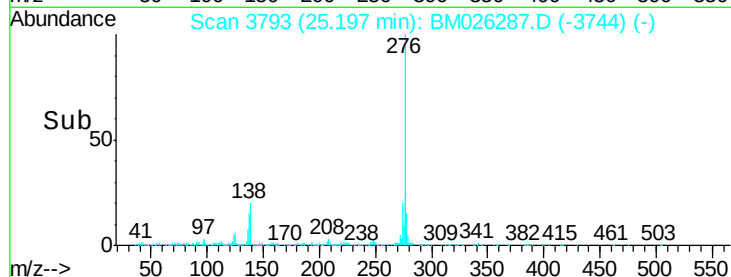
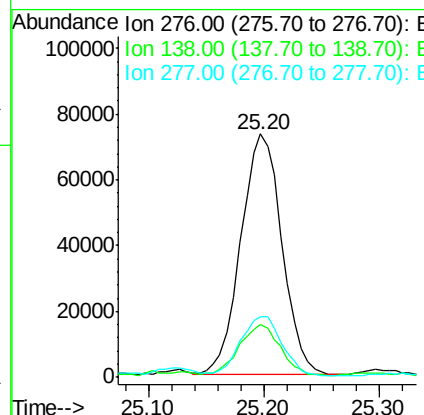
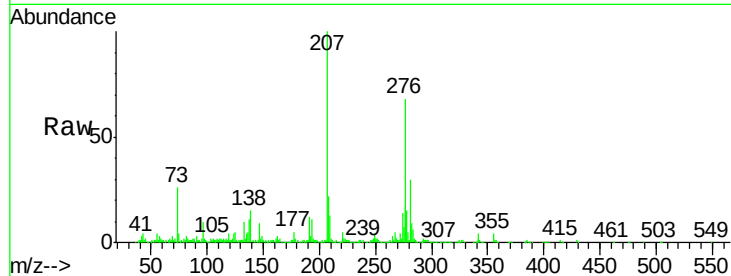
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.452 ng
 RT: 25.20 min Scan# 3793
 Delta R.T. -0.01 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

Instrument :
 BNA_M
 ClientSampleId :
 NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.8	29.8
277	25.0	20.2	30.2

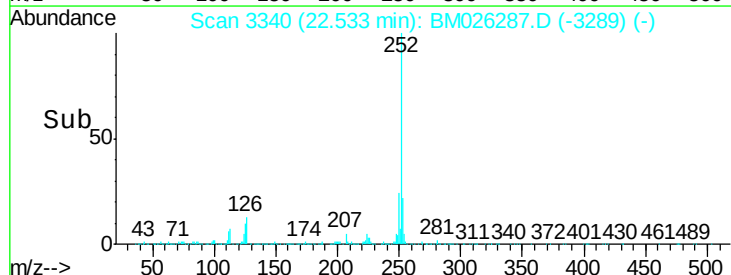
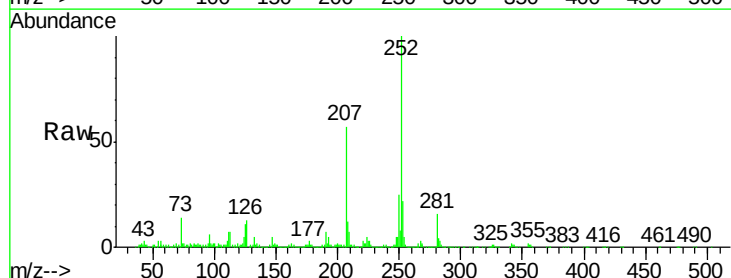
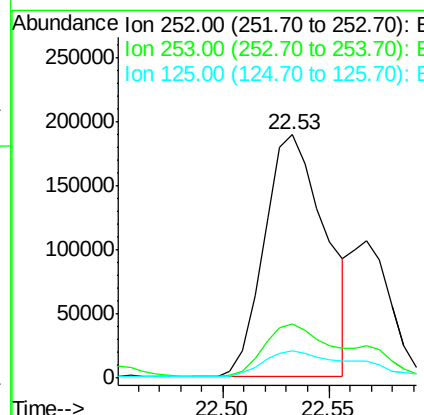
Manual Integrations
 APPROVED

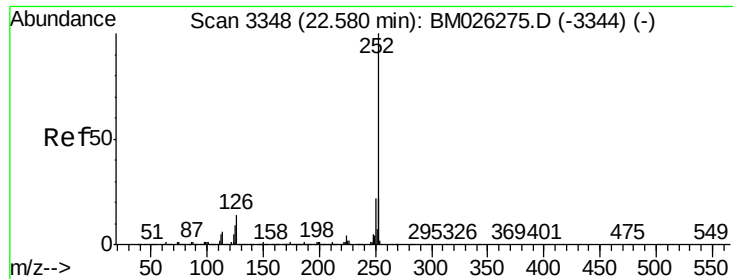
mohammad
 6/9/2020 12:21:41 PM



#88
 Benzo(b)fluoranthene
 Concen: 6.988 ng
 RT: 22.53 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: BM026287.D
 Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	11.1	7.9	11.9





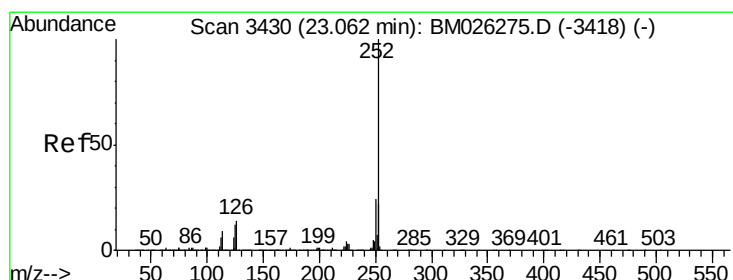
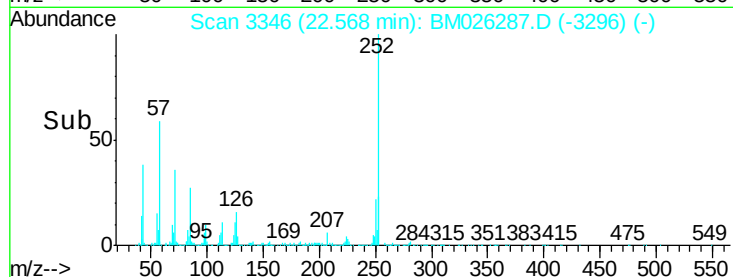
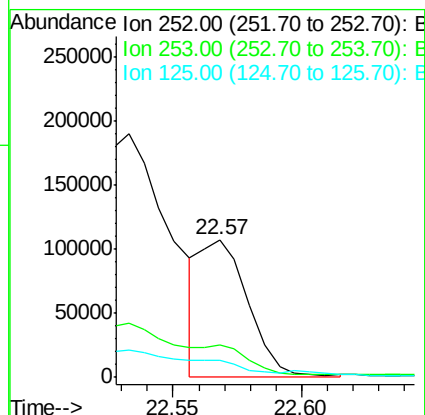
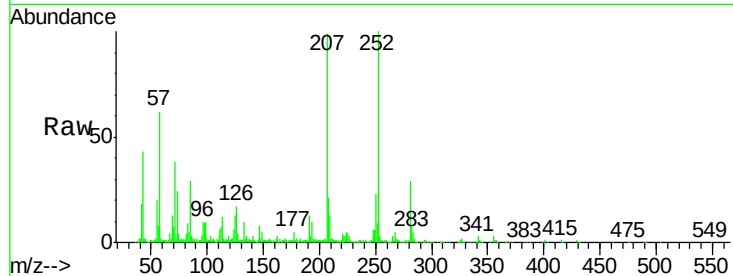
#89
Benzo(k)fluoranthene
Concen: 2.671 ng m
RT: 22.57 min Scan# 3346
Delta R.T. -0.01 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Instrument :
BNA_M
ClientSampleId :
NM21-COMP-2020-0-6RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	12.6	7.8	11.6

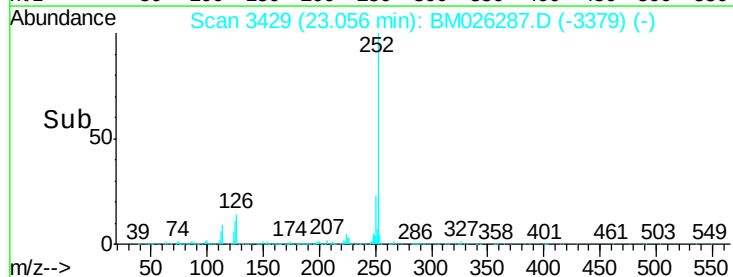
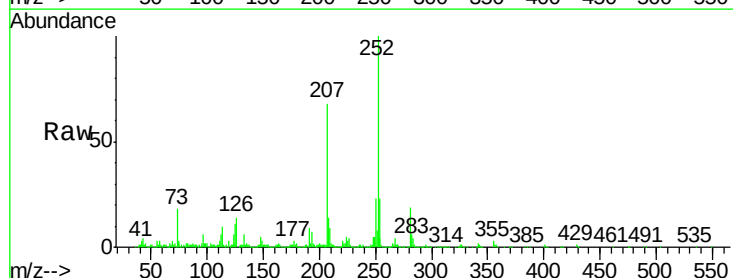
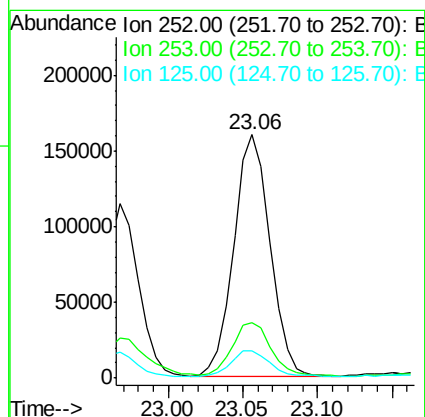
Manual Integrations
APPROVED

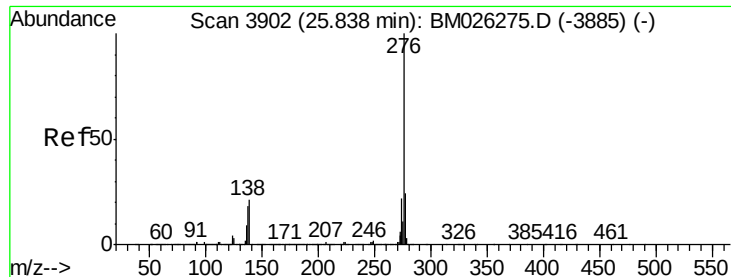
mohammad
6/9/2020 12:21:41 PM



#90
Benzo(a)pyrene
Concen: 5.602 ng
RT: 23.06 min Scan# 3429
Delta R.T. -0.01 min
Lab File: BM026287.D
Acq: 08 Jun 2020 15:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.4	9.4	14.0





#92

Benzo(a,h,i)perylene

Concen: 4.247 ng

RT: 25.82 min Scan# 3899

Delta R.T. -0.01 min

Lab File: BM026287.D

Acq: 08 Jun 2020 15:19

Instrument :

BNA_M

ClientSampleId :

NM21-COMP-2020-0-6RE

Tot Ion:	276	Resp:	176340
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.3	28.9
138	22.1	16.5	24.7

Manual Integrations
APPROVED

mohammad
6/9/2020 12:21:41 PM

