

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051421\
 Data File : BP005560.D
 Acq On : 14 May 2021 21:31
 Operator : CG/JU
 Sample : M2389-05 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-1-2

Manual Integrations
 APPROVED

mohammad
 5/17/2021 11:19:44 AM

Quant Time: May 14 22:57:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 12:01:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	14681	20.00	ng	0.00
21) Naphthalene-d8	10.469	136	46018	20.00	ng	# 0.00
39) Acenaphthene-d10	14.328	164	37128	20.00	ng	0.00
64) Phenanthrene-d10	17.086	188	102033	20.00	ng	# 0.00
76) Chrysene-d12	21.192	240	145015	20.00	ng	0.00
86) Perylene-d12	23.492	264	145423	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	11715	15.31	ng	0.00
7) Phenol-d6	6.881	99	12462	13.06	ng	0.00
23) Nitrobenzene-d5	8.852	82	10115	8.65	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	13014	12.35	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	29029	8.82	ng	0.00
79) Terphenyl-d14	19.663	244	75404	8.83	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.128	178	53745	9.27	ng	# 96
72) Anthracene	17.222	178	16090m	2.80	ng	
75) Fluoranthene	19.110	202	142558	17.88	ng	80
78) Pyrene	19.463	202	126796	15.44	ng	# 74
81) Benzo(a)anthracene	21.174	228	89896	9.57	ng	# 93
83) Chrysene	21.227	228	73539	8.07	ng	# 94
87) Indeno(1,2,3-cd)pyrene	25.886	276	57751	4.72	ng	# 97
88) Benzo(b)fluoranthene	22.792	252	106990	11.04	ng	# 99
89) Benzo(k)fluoranthene	22.839	252	35054m	3.70	ng	
90) Benzo(a)pyrene	23.392	252	76833m	8.65	ng	
92) Benzo(g,h,i)perylene	26.621	276	52379	5.24	ng	# 92

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

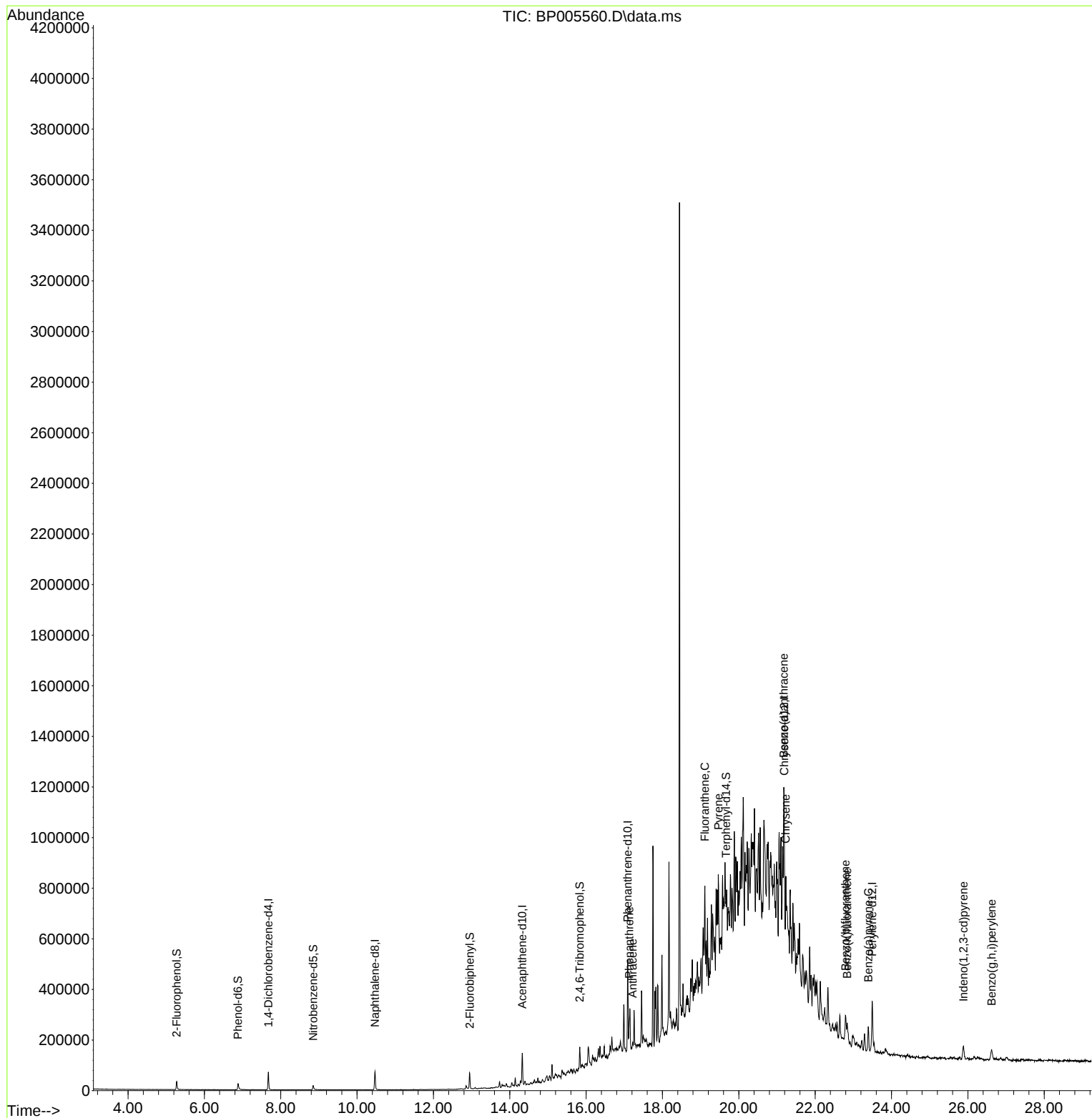
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051421\
Data File : BP005560.D
Acq On : 14 May 2021 21:31
Operator : CG/JU
Sample : M2389-05 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

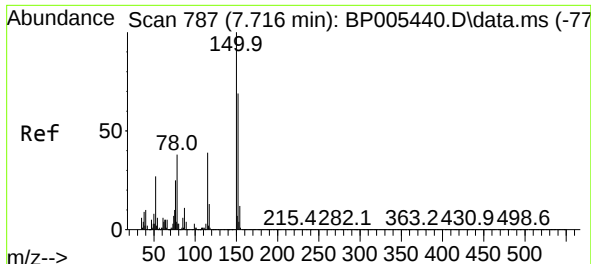
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

Manual Integrations
APPROVED

mohammad
5/17/2021 11:19:44 AM

Quant Time: May 14 22:57:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 14 12:01:17 2021
Response via : Initial Calibration





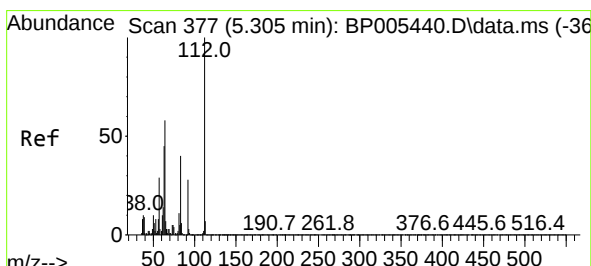
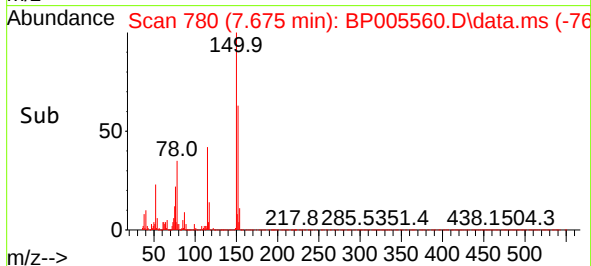
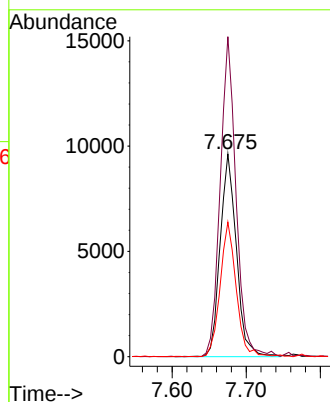
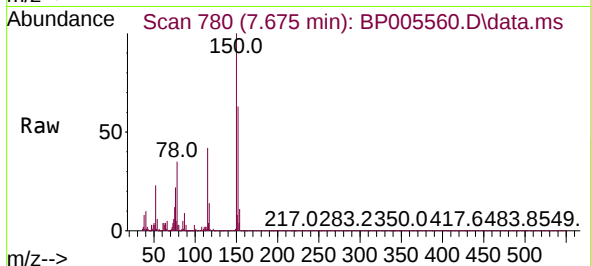
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 780
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	119.8	179.8
115	66.4	49.0	73.4

Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

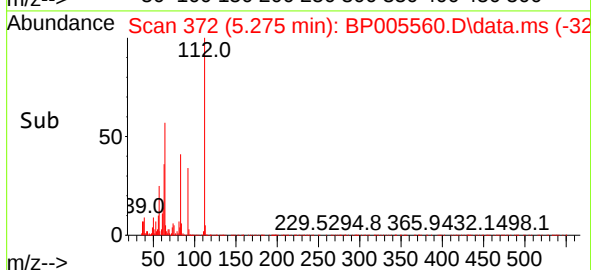
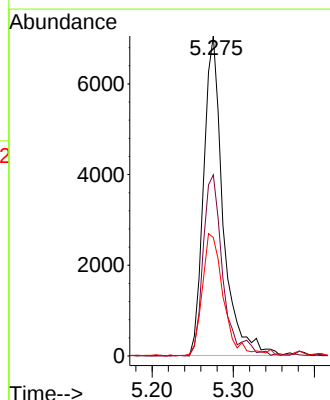
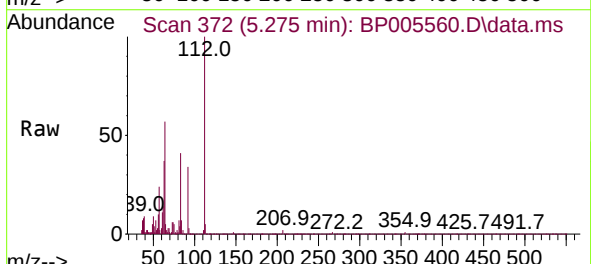
Manual Integrations
APPROVED

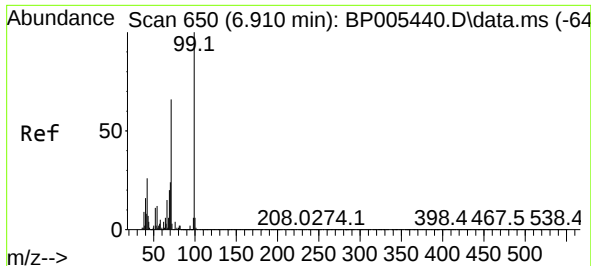
mohammad
5/17/2021 11:19:44 AM



#5
2-Fluorophenol
Concen: 15.31 ng
RT: 5.275 min Scan# 372
Delta R.T. 0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

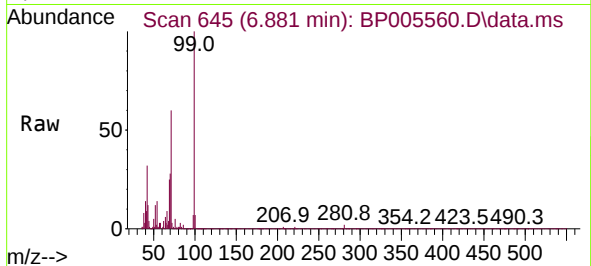
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	33.6	50.4#
63	37.0	18.6	27.8#





#7
Phenol-d6
Concen: 13.06 ng
RT: 6.881 min Scan# 645
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

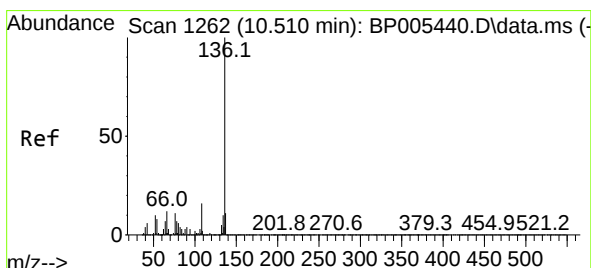
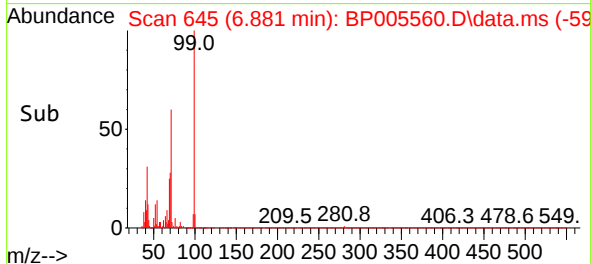
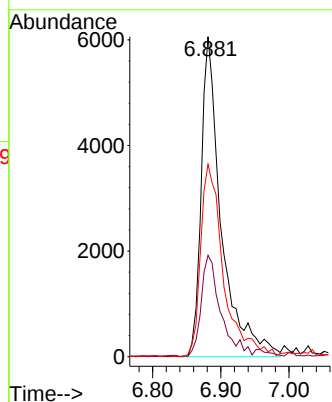
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2



Tgt Ion: 99 Resp: 12462
Ion Ratio Lower Upper
99 100
42 31.7 12.9 19.3#
71 60.1 26.7 40.1#

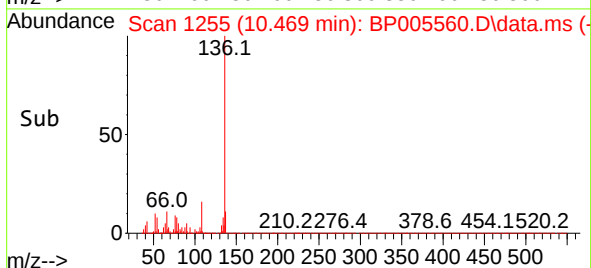
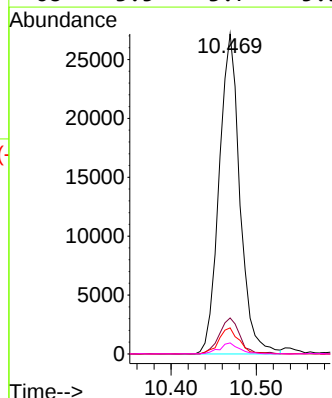
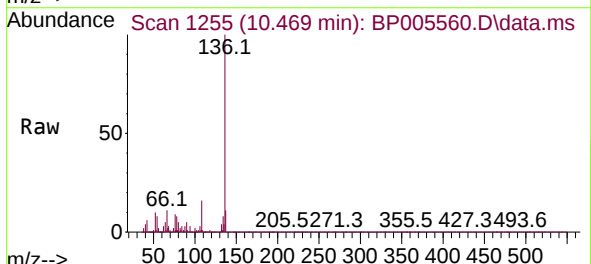
Manual Integrations
APPROVED

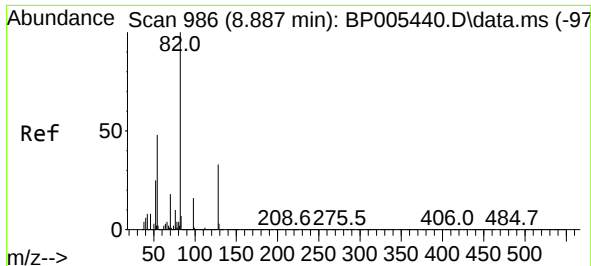
mohammad
5/17/2021 11:19:44 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.469 min Scan# 1255
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

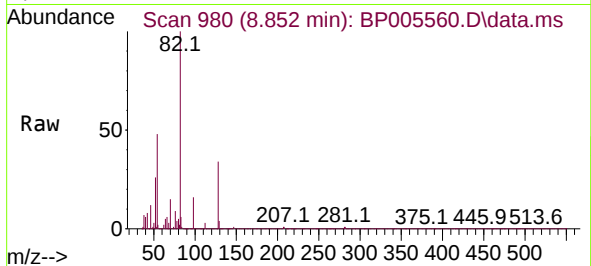
Tgt Ion: 136 Resp: 46018
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.1 5.0 7.4#
68 3.5 3.7 5.5#





#23
Nitrobenzene-d5
Concen: 8.65 ng
RT: 8.852 min Scan# 980
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

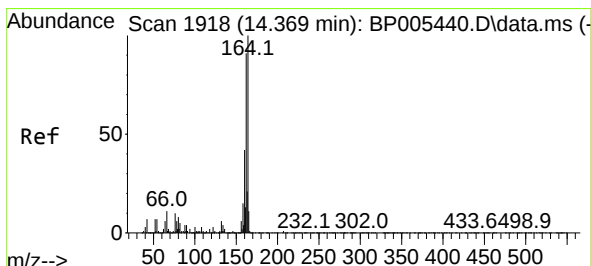
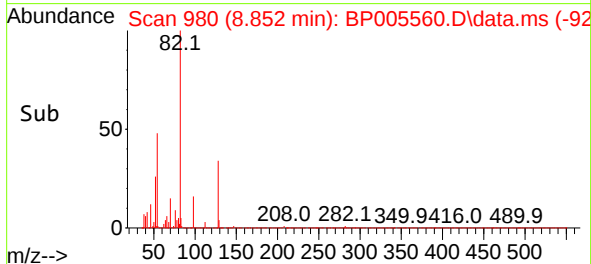
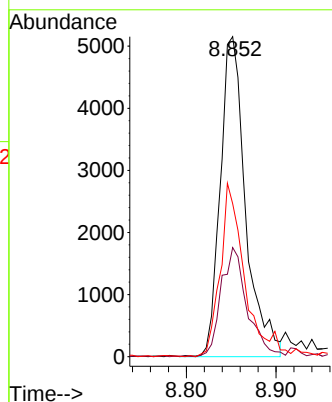
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2



Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.1	30.5	45.7
54	47.8	33.9	50.9

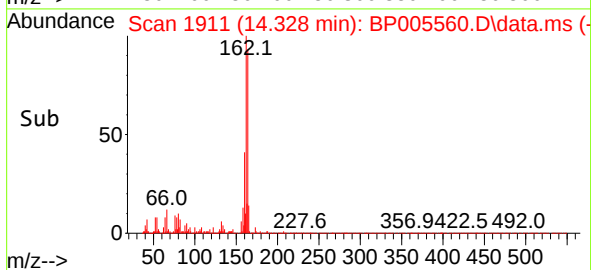
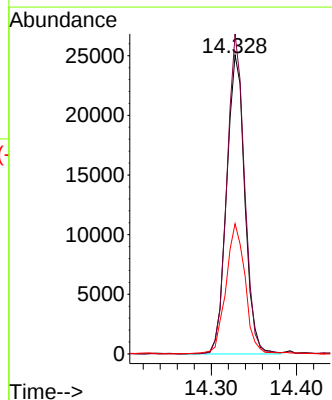
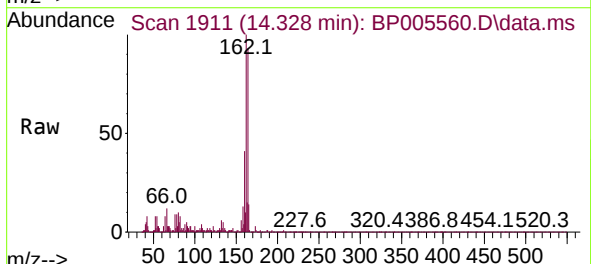
Manual Integrations
APPROVED

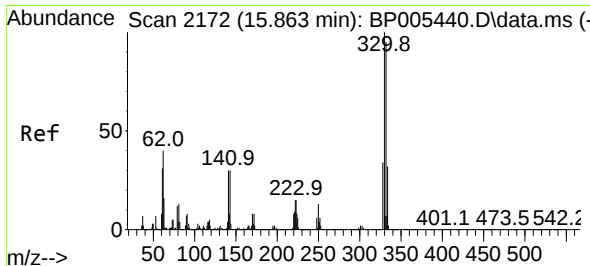
mohammad
5/17/2021 11:19:44 AM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.328 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

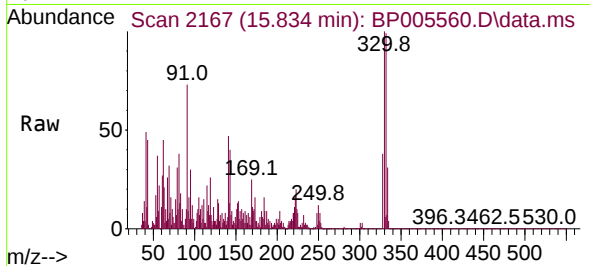
Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	73.5	110.3
160	43.6	40.6	61.0





#42
2,4,6-Tribromophenol
Concen: 12.35 ng
RT: 15.834 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

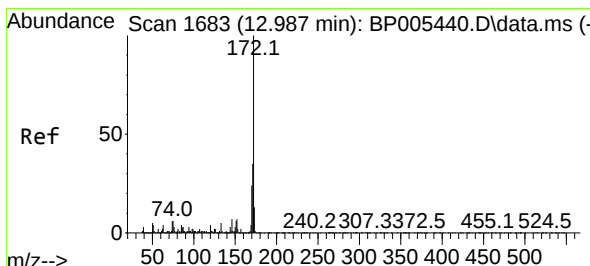
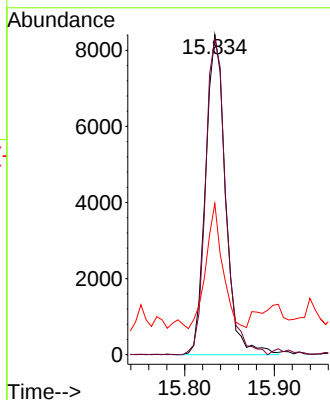
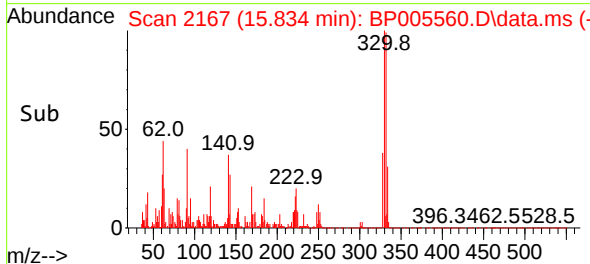
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2



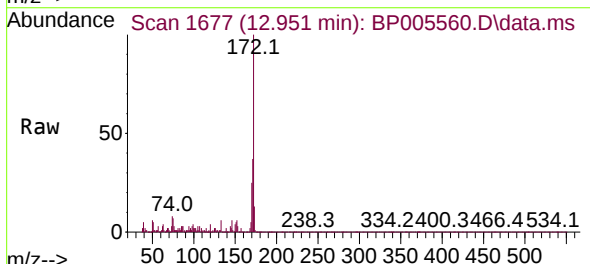
Tgt Ion: 330 Resp: 13014
Ion Ratio Lower Upper
330 100
332 99.1 76.3 114.5
141 34.2 22.8 34.2#

Manual Integrations
APPROVED

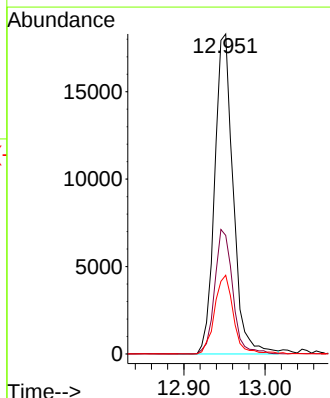
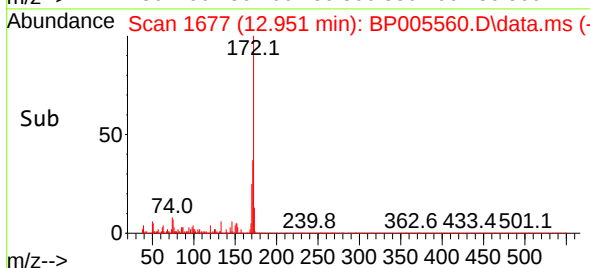
mohammad
5/17/2021 11:19:44 AM

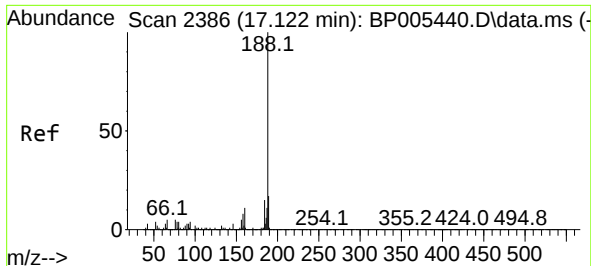


#45
2-Fluorobiphenyl
Concen: 8.82 ng
RT: 12.951 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31



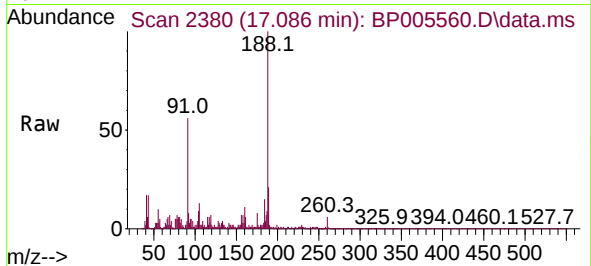
Tgt Ion: 172 Resp: 29029
Ion Ratio Lower Upper
172 100
171 37.0 28.1 42.1
170 24.6 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.086 min Scan# 2380
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

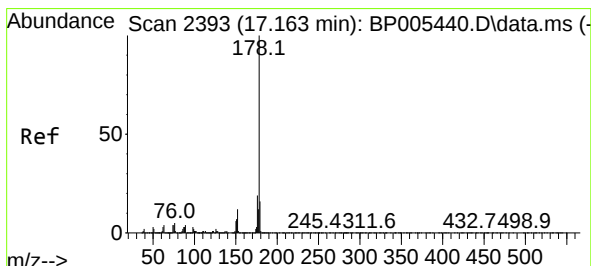
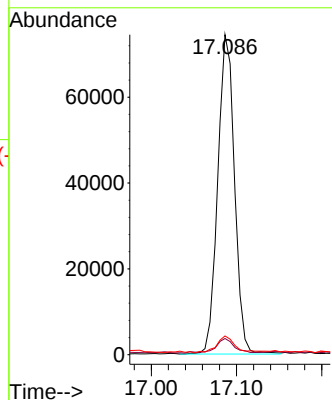
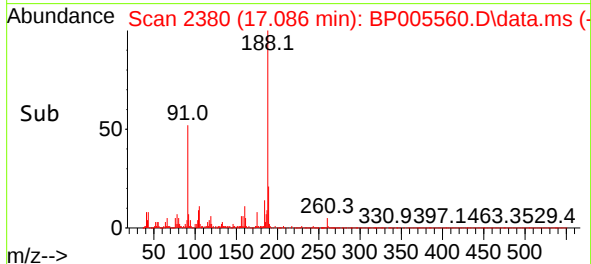
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2



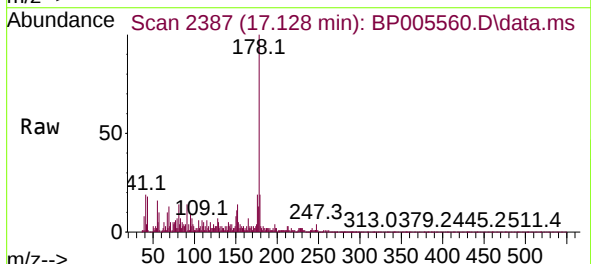
Tgt Ion:188 Resp: 102033
Ion Ratio Lower Upper
188 100
94 5.1 5.0 7.6
80 5.9 5.9 8.9#

Manual Integrations
APPROVED

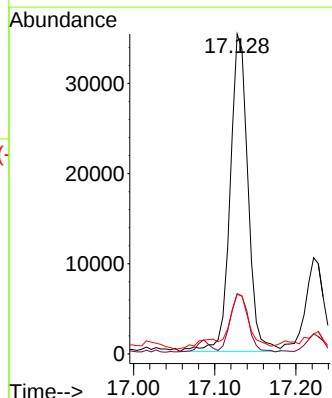
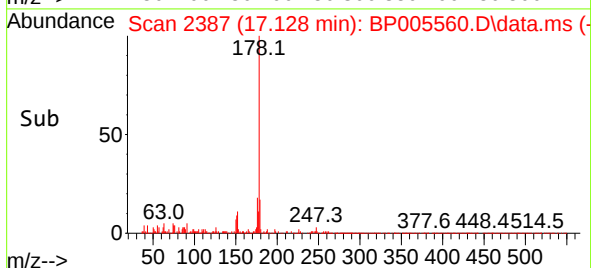
mohammad
5/17/2021 11:19:44 AM

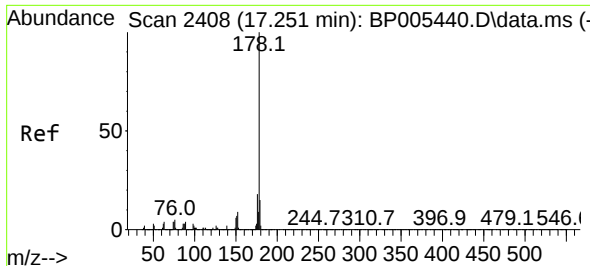


#71
Phenanthrene
Concen: 9.27 ng
RT: 17.128 min Scan# 2387
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31



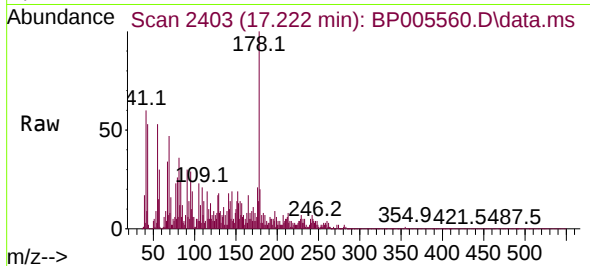
Tgt Ion:178 Resp: 53745
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 18.6 12.3 18.5#





#72
 Anthracene
 Concen: 2.80 ng m
 RT: 17.222 min Scan# 2403
 Delta R.T. -0.006 min
 Lab File: BP005560.D
 Acq: 14 May 2021 21:31

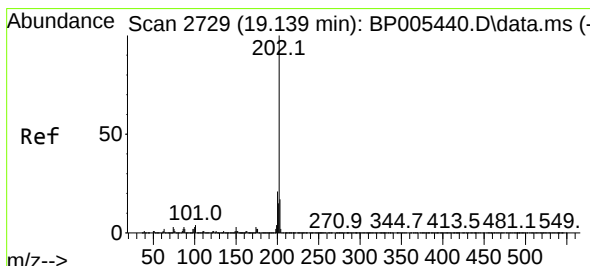
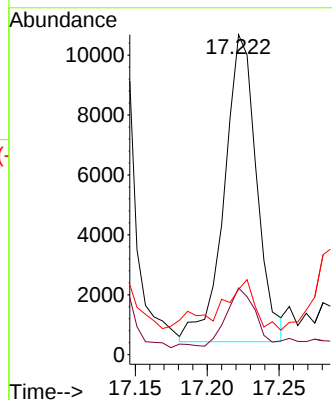
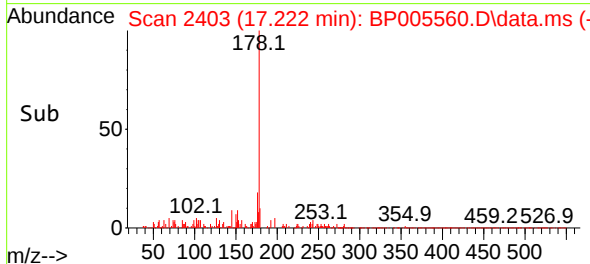
Instrument :
 BNA_P
 ClientSampleId :
 CASINO-AVE-1-2



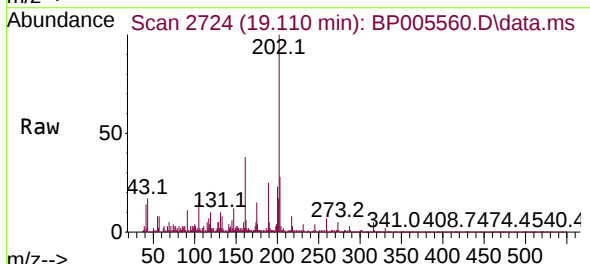
Tgt Ion:178 Resp: 16090
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.2 22.8
 179 20.4 12.6 19.0#

Manual Integrations
 APPROVED

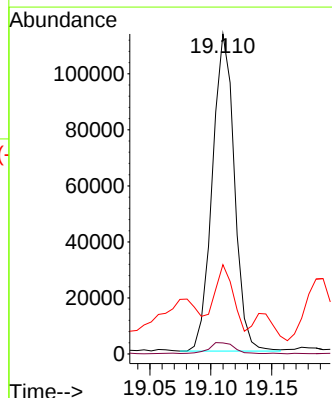
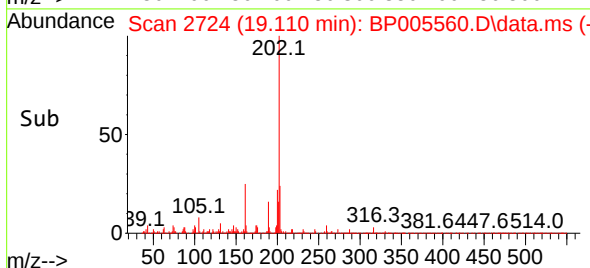
mohammad
 5/17/2021 11:19:44 AM

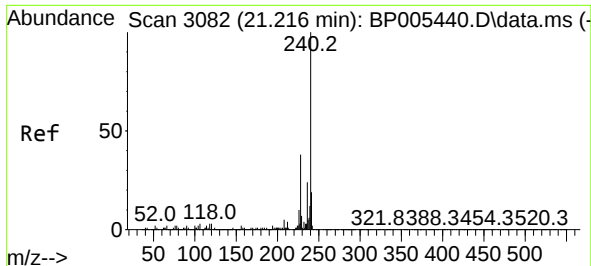


#75
 Fluoranthene
 Concen: 17.88 ng
 RT: 19.110 min Scan# 2724
 Delta R.T. 0.000 min
 Lab File: BP005560.D
 Acq: 14 May 2021 21:31



Tgt Ion:202 Resp: 142558
 Ion Ratio Lower Upper
 202 100
 101 3.4 0.0 26.1
 203 27.9 0.0 37.2





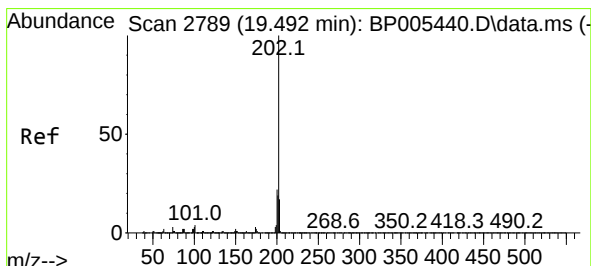
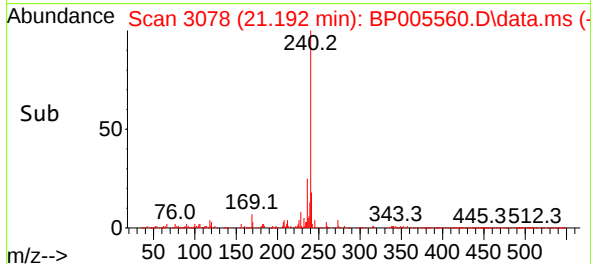
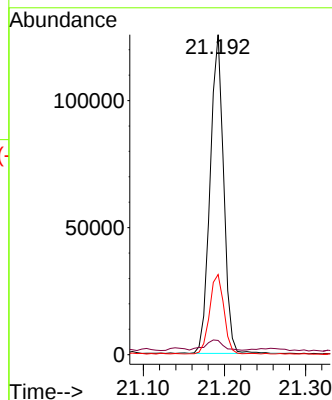
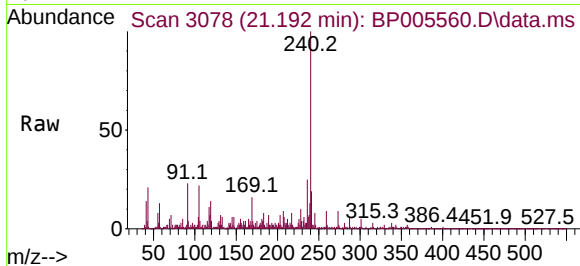
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.192 min Scan# 3078
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

Tgt Ion:240 Resp: 145015
Ion Ratio Lower Upper
240 100
120 4.5 4.2 6.2
236 25.1 20.2 30.2

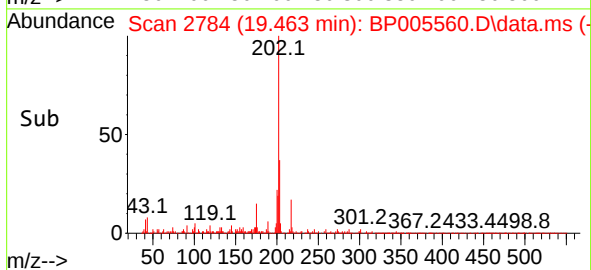
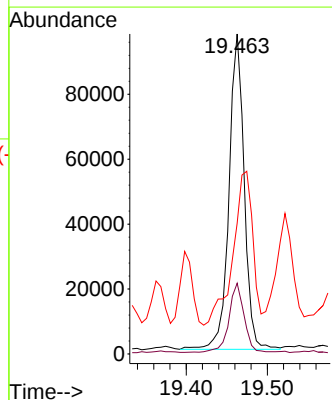
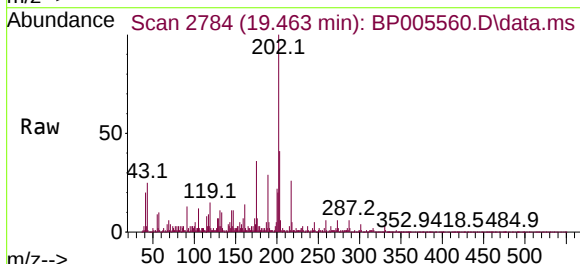
Manual Integrations
APPROVED

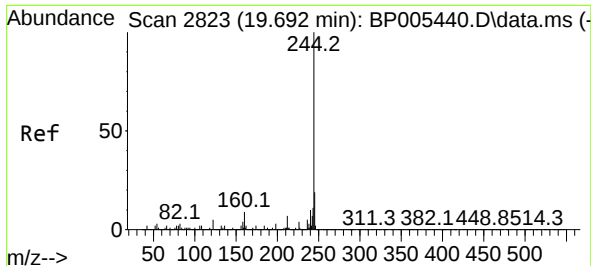
mohammad
5/17/2021 11:19:44 AM



#78
Pyrene
Concen: 15.44 ng
RT: 19.463 min Scan# 2784
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:202 Resp: 126796
Ion Ratio Lower Upper
202 100
200 22.1 16.9 25.3
203 40.9 13.8 20.6#





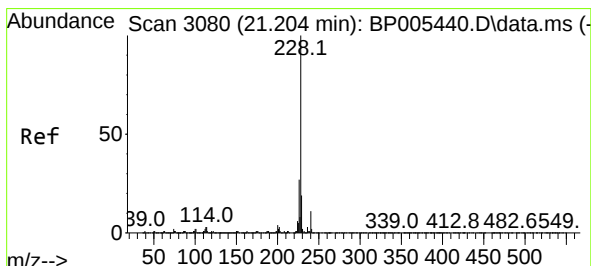
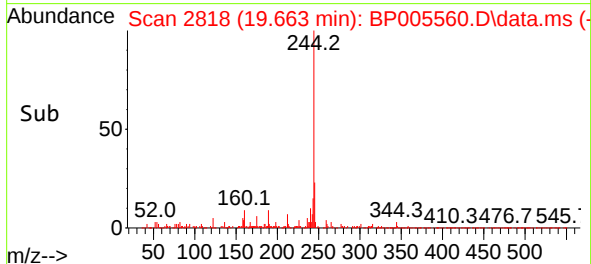
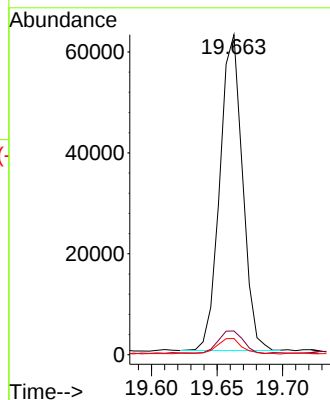
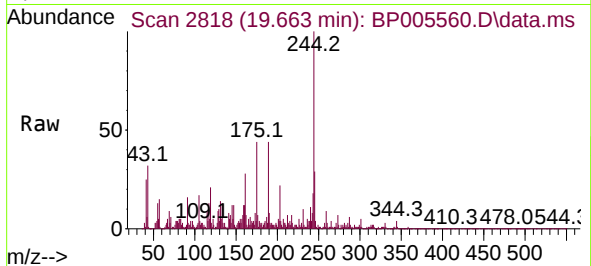
#79
Terphenyl-d14
Concen: 8.83 ng
RT: 19.663 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	5.0	5.2	7.8#

Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

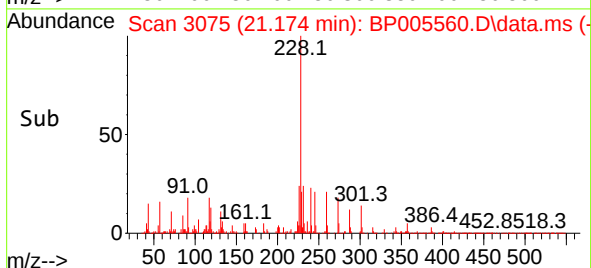
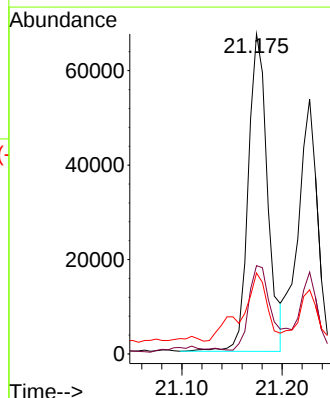
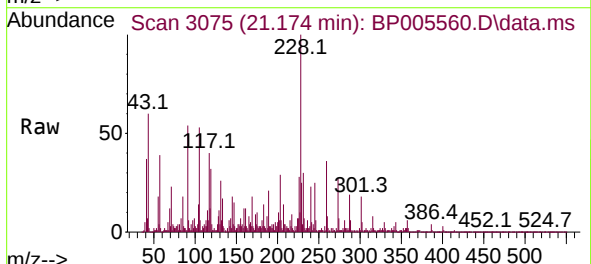
Manual Integrations
APPROVED

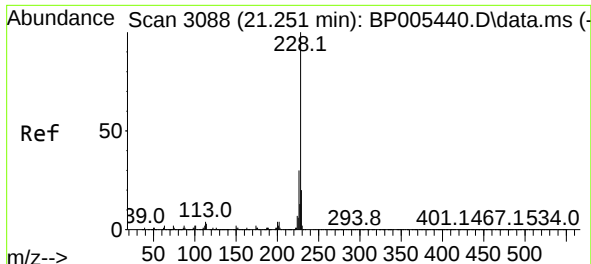
mohammad
5/17/2021 11:19:44 AM



#81
Benzo(a)anthracene
Concen: 9.57 ng
RT: 21.174 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

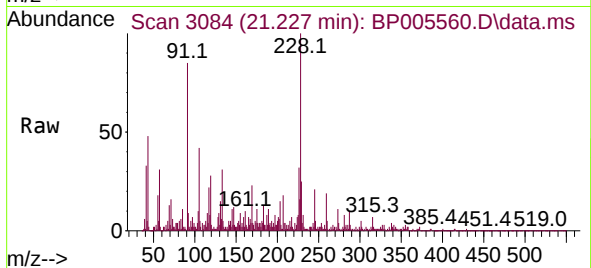
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.2	31.8
229	25.3	15.6	23.4#





#83
Chrysene
Concen: 8.07 ng
RT: 21.227 min Scan# 3084
Delta R.T. 0.000 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

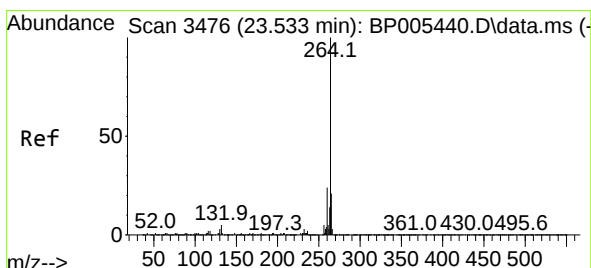
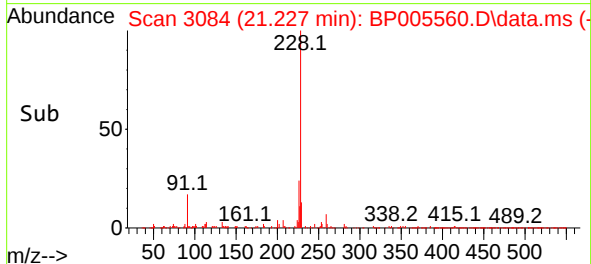
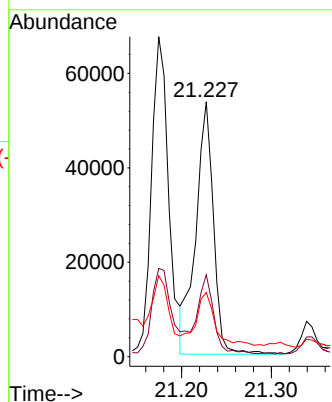
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2



Tgt Ion:228 Resp: 73539
Ion Ratio Lower Upper
228 100
226 32.2 24.8 37.2
229 25.2 15.4 23.0#

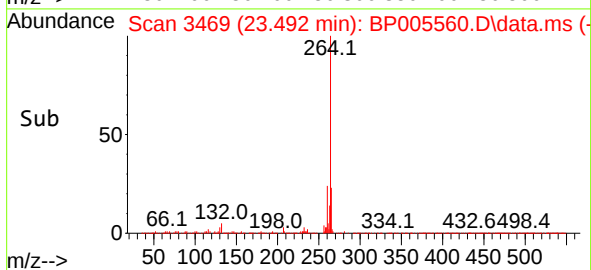
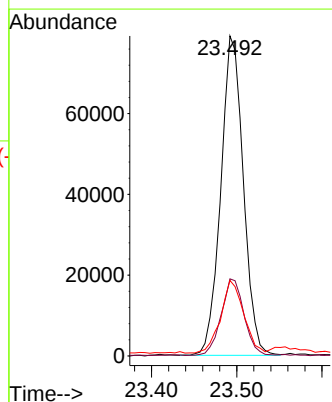
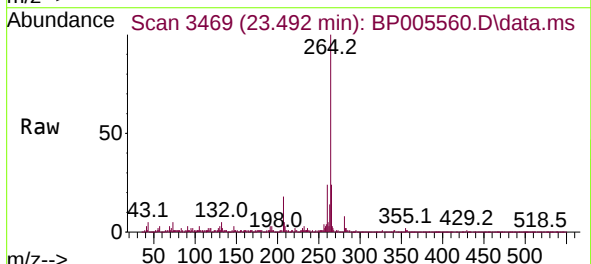
Manual Integrations
APPROVED

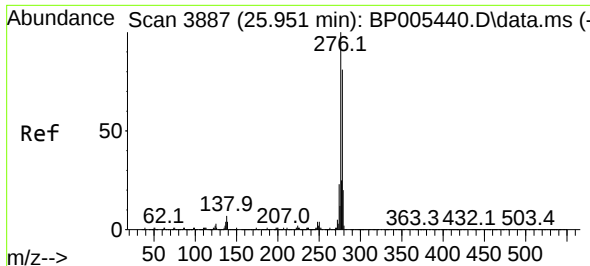
mohammad
5/17/2021 11:19:44 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.492 min Scan# 3469
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion:264 Resp: 145423
Ion Ratio Lower Upper
264 100
260 24.1 20.6 30.8
265 23.6 19.0 28.6





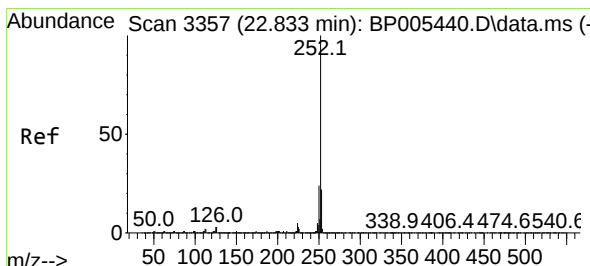
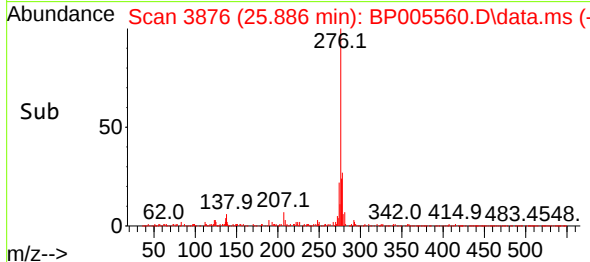
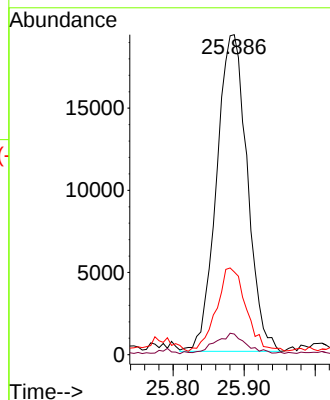
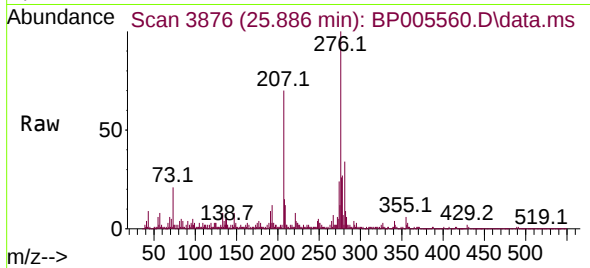
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.72 ng
RT: 25.886 min Scan# 3876
Delta R.T. -0.018 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

Tgt Ion: 276 Resp: 57751
Ion Ratio Lower Upper
276 100
138 6.6 8.4 12.6#
277 25.6 20.6 31.0

Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2

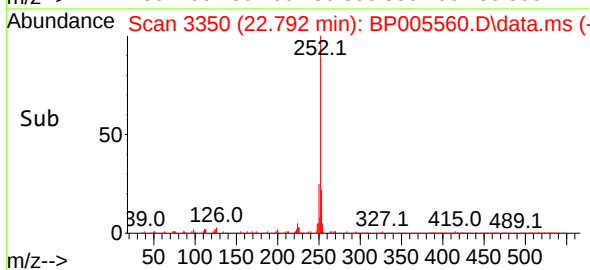
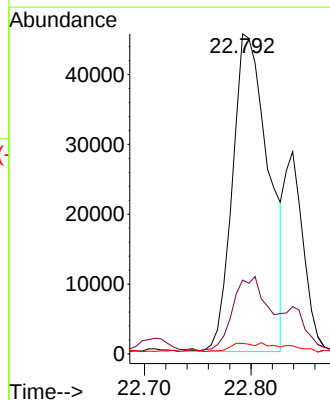
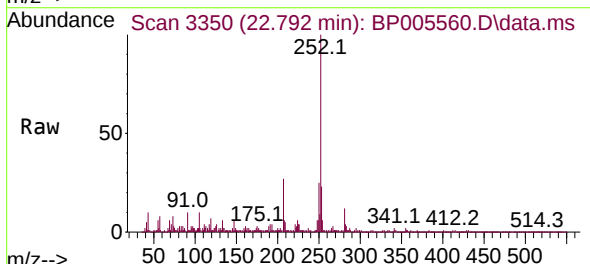
Manual Integrations
APPROVED

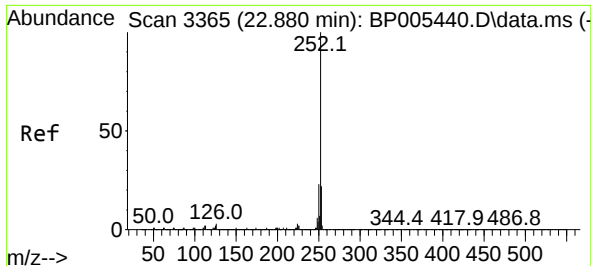
mohammad
5/17/2021 11:19:44 AM



#88
Benzo(b)fluoranthene
Concen: 11.04 ng
RT: 22.792 min Scan# 3350
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

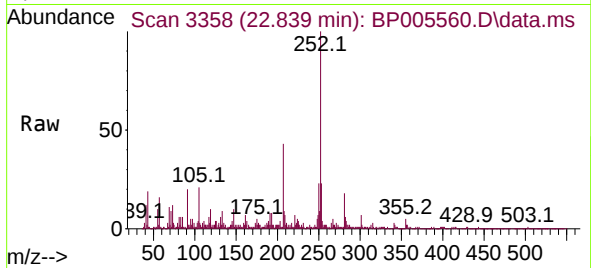
Tgt Ion: 252 Resp: 106990
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.2
125 3.3 3.4 5.0#





#89
Benzo(k)fluoranthene
Concen: 3.70 ng m
RT: 22.839 min Scan# 3358
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31

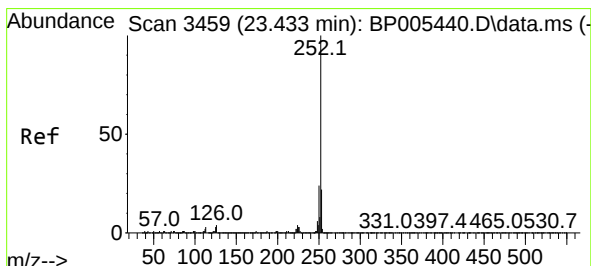
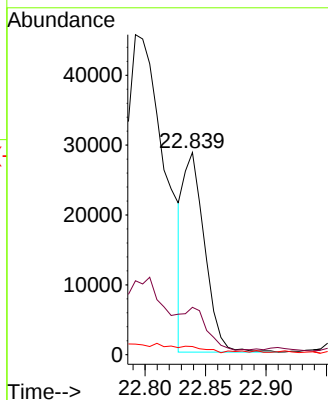
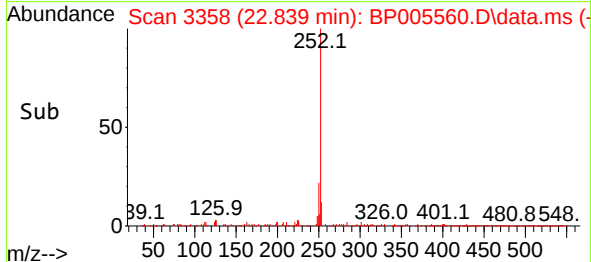
Instrument :
BNA_P
ClientSampleId :
CASINO-AVE-1-2



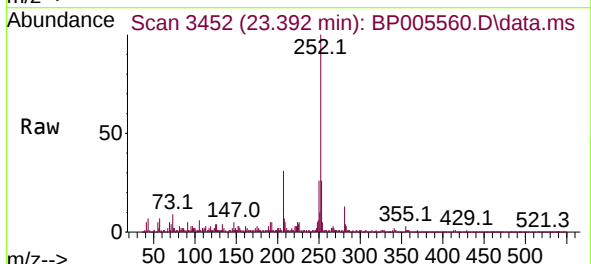
Tgt Ion:252 Resp: 35054
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 4.0 3.8 5.6

Manual Integrations
APPROVED

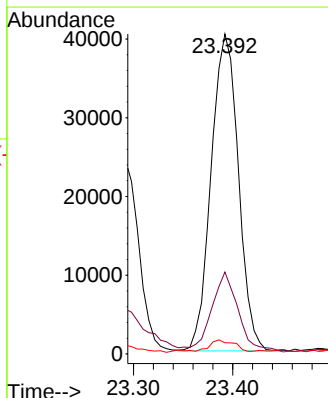
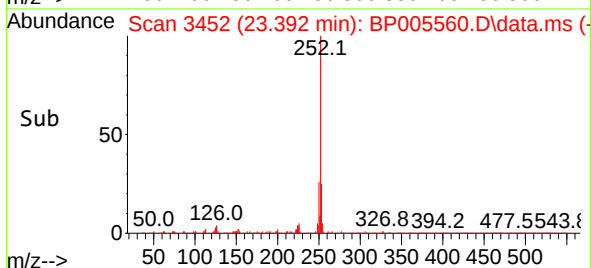
mohammad
5/17/2021 11:19:44 AM

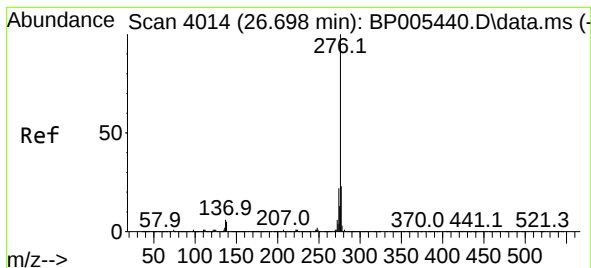


#90
Benzo(a)pyrene
Concen: 8.65 ng m
RT: 23.392 min Scan# 3452
Delta R.T. -0.006 min
Lab File: BP005560.D
Acq: 14 May 2021 21:31



Tgt Ion:252 Resp: 76833
Ion Ratio Lower Upper
252 100
253 25.6 17.1 25.7
125 3.5 3.8 5.6#





#92

Benzo(g,h,i)perylene

Concen: 5.24 ng

RT: 26.621 min Scan# 4001

Delta R.T. -0.018 min

Lab File: BP005560.D

Acq: 14 May 2021 21:31

Tgt Ion:	276	Resp:	52379
Ion Ratio	Lower	Upper	
276	100		
277	22.6	19.8	29.8
138	3.1	7.7	11.5#

Instrument :

BNA_P

ClientSampleId :

CASINO-AVE-1-2

Manual Integrations
APPROVED

mohammad
5/17/2021 11:19:44 AM

