

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
 Data File : BP003583.D
 Acq On : 08 Oct 2020 21:47
 Operator : CG/JU
 Sample : L4309-06 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OWLS-HEAD-BH-05-B

Manual Integrations
 APPROVED

mohammad
 10/12/2020 11:32:35 AM

Quant Time: Oct 09 02:00:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 08 15:55:58 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.481	152	55935	20.00	ng	0.00
21) Naphthalene-d8	10.257	136	198957	20.00	ng	0.00
39) Acenaphthene-d10	14.145	164	115291	20.00	ng	0.00
64) Phenanthrene-d10	16.904	188	251998	20.00	ng	0.00
76) Chrysene-d12	21.010	240	297106	20.00	ng	0.00
86) Perylene-d12	23.180	264	341536	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.105	112	121300	37.87	ng	0.00
7) Phenol-d6	6.699	99	135312	31.69	ng	0.01
23) Nitrobenzene-d5	8.640	82	97376	28.75	ng	0.00
42) 2,4,6-Tribromophenol	15.651	330	64667	36.77	ng	0.00
45) 2-Fluorobiphenyl	12.757	172	218351	27.70	ng	0.00
79) Terphenyl-d14	19.486	244	338436	23.73	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	11.946	142	15573	2.05	ng	96
50) Dimethylphthalate	13.610	163	25533	2.77	ng	100
71) Phenanthrene	16.945	178	95117	6.94	ng	99
75) Fluoranthene	18.933	202	190102	11.03	ng	99
78) Pyrene	19.286	202	183310	9.89	ng	100
81) Benzo(a)anthracene	20.998	228	116707	6.08	ng	96
83) Chrysene	21.045	228	104826	5.68	ng	97
87) Indeno(1,2,3-cd)pyrene	25.386	276	80007	3.09	ng	# 89
88) Benzo(b)fluoranthene	22.533	252	147854m	6.86	ng	
89) Benzo(k)fluoranthene	22.574	252	50729m	2.45	ng	
90) Benzo(a)pyrene	23.092	252	111386	5.48	ng	# 91
92) Benzo(g,h,i)perylene	26.062	276	78369	3.67	ng	# 91

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

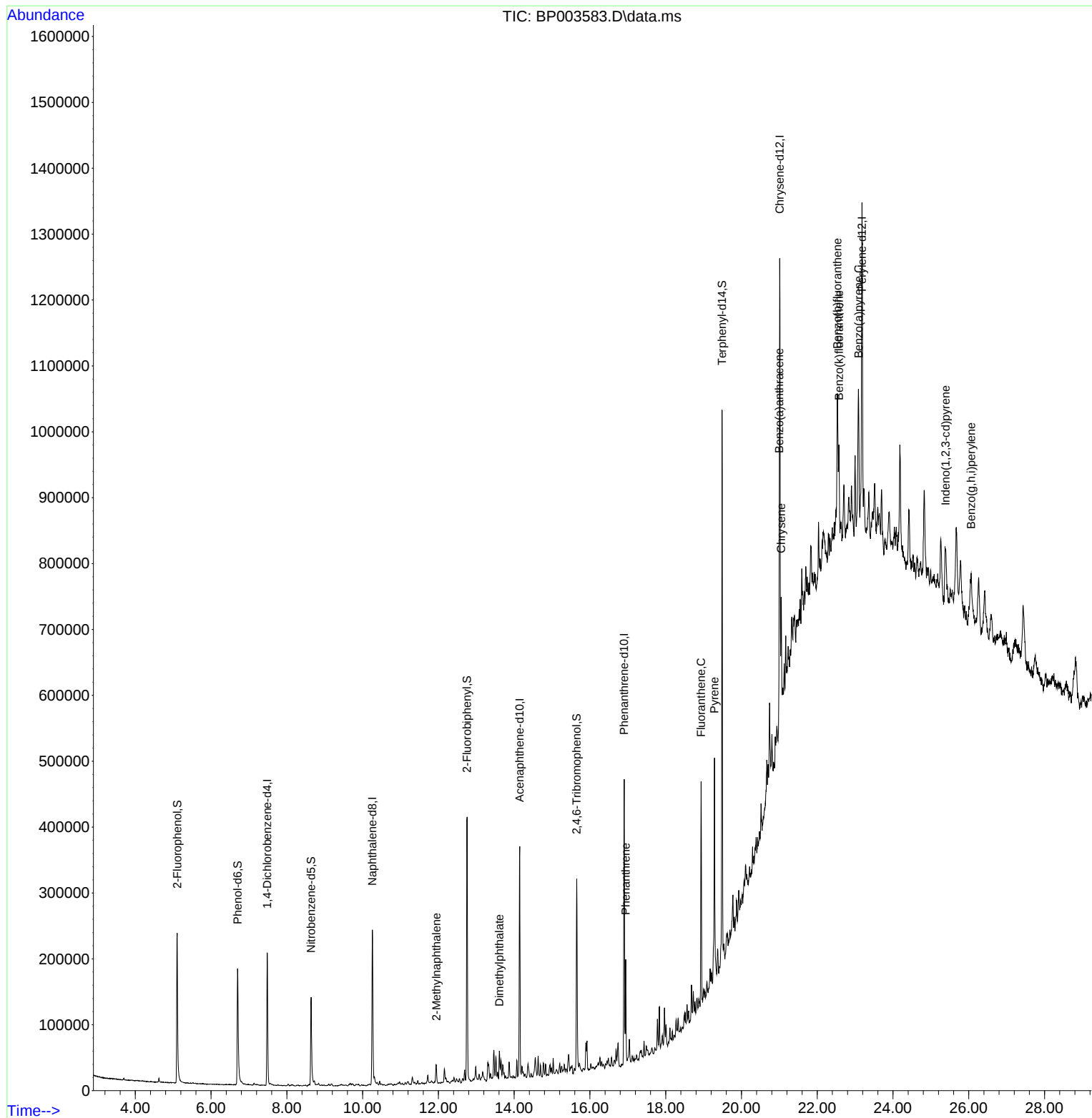
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003583.D
Acq On : 08 Oct 2020 21:47
Operator : CG/JU
Sample : L4309-06 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

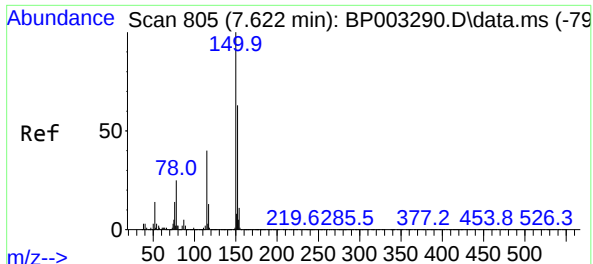
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

Manual Integrations
APPROVED

mohammad
10/12/2020 11:32:35 AM

Quant Time: Oct 09 02:00:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 08 15:55:58 2020
Response via : Initial Calibration





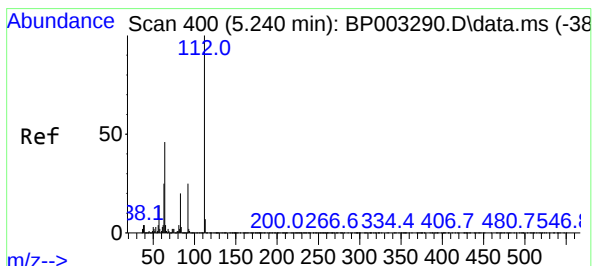
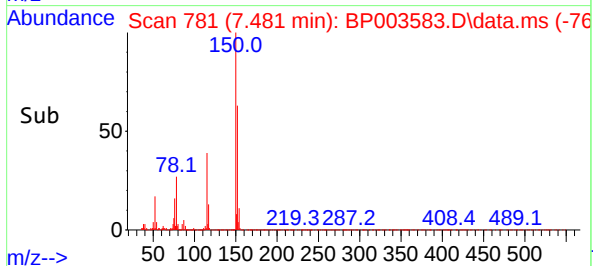
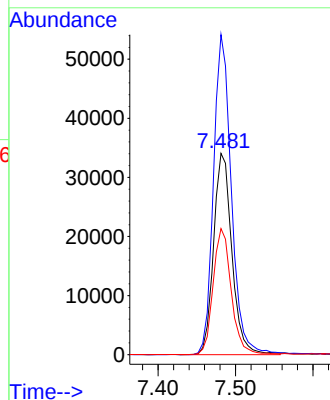
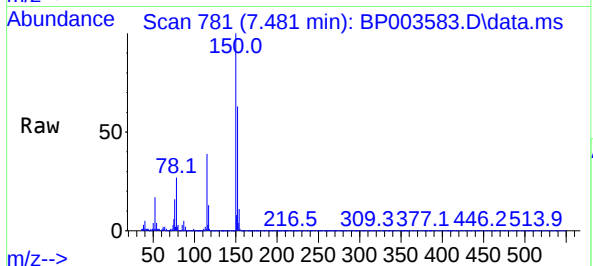
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.481 min Scan# 781
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.8	185.6
115	62.6	43.8	65.6

Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

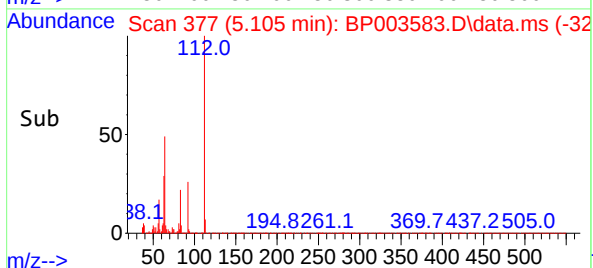
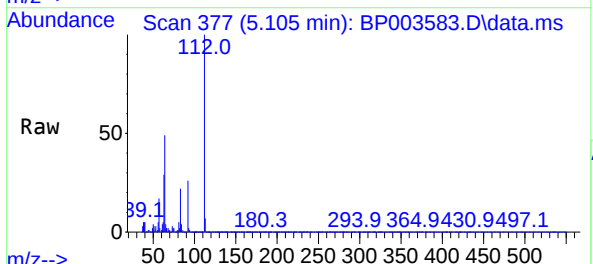
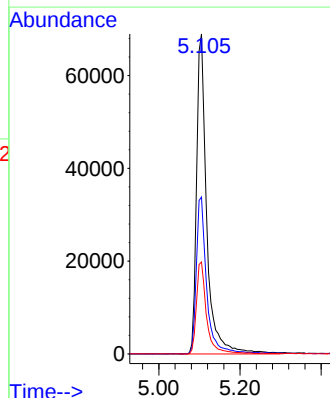
Manual Integrations
APPROVED

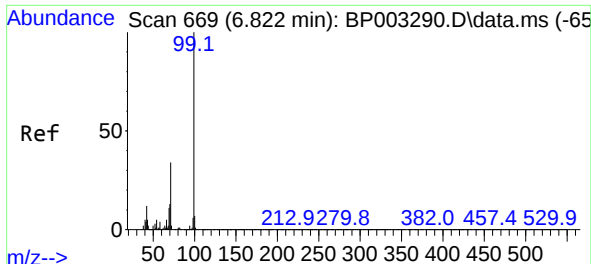
mohammad
10/12/2020 11:32:35 AM



#5
2-Fluorophenol
Concen: 37.87 ng
RT: 5.105 min Scan# 377
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.1	32.8	49.2
63	28.7	17.0	25.4





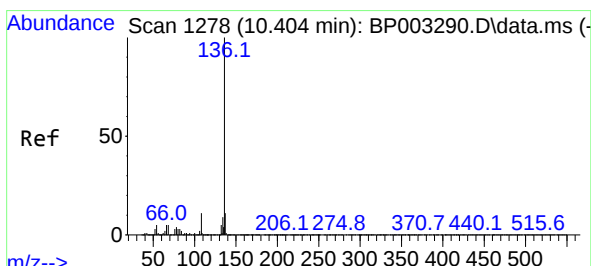
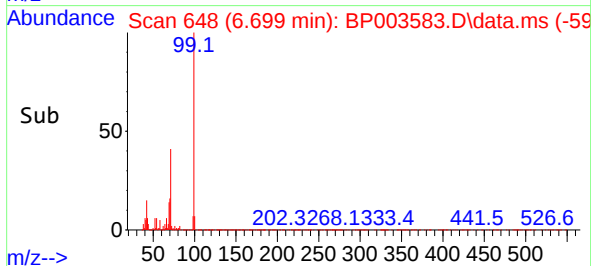
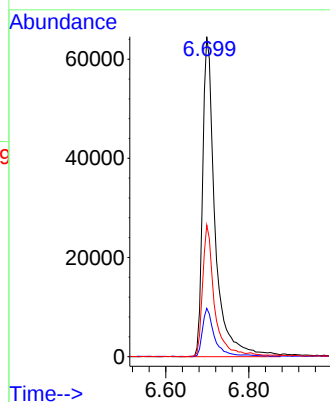
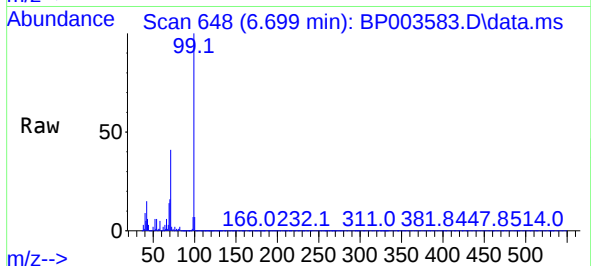
#7
Phenol-d6
Concen: 31.69 ng
RT: 6.699 min Scan# 648
Delta R.T. 0.012 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion: 99 Resp: 135312
Ion Ratio Lower Upper
99 100
42 15.1 8.6 13.0#
71 41.2 23.4 35.2#

Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

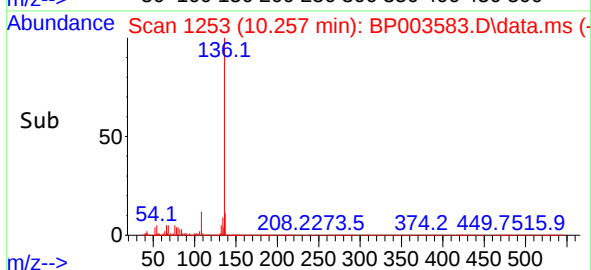
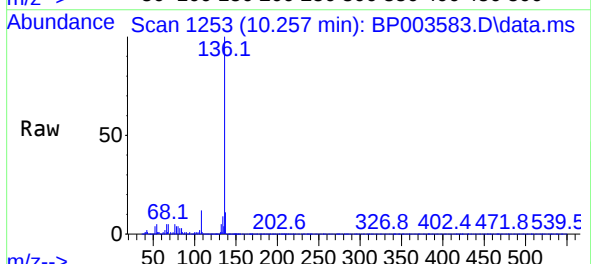
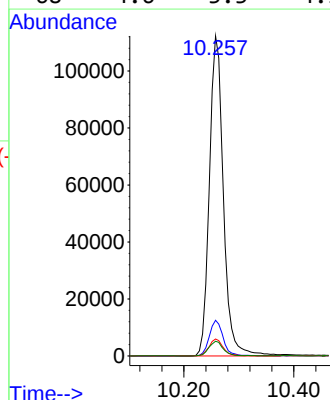
Manual Integrations
APPROVED

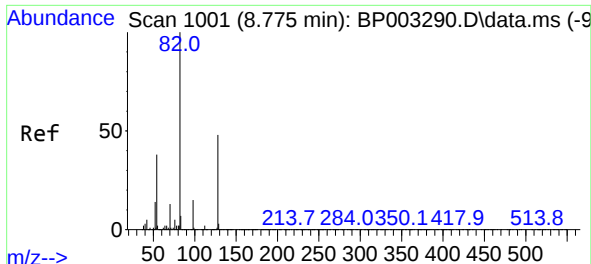
mohammad
10/12/2020 11:32:35 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.257 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion: 136 Resp: 198957
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 5.3 3.6 5.4
68 4.6 3.3 4.9





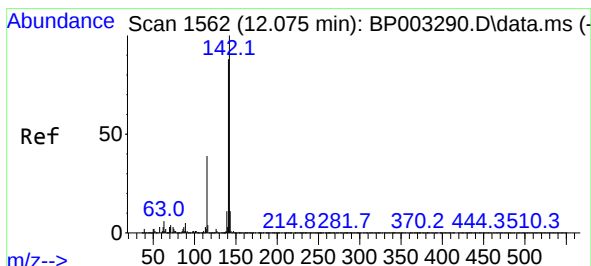
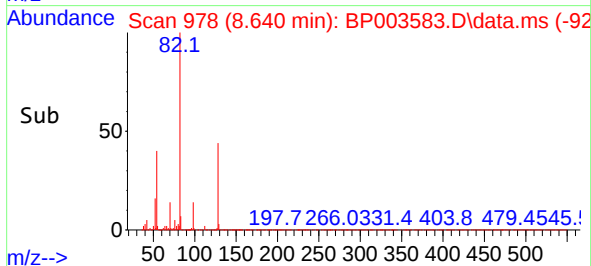
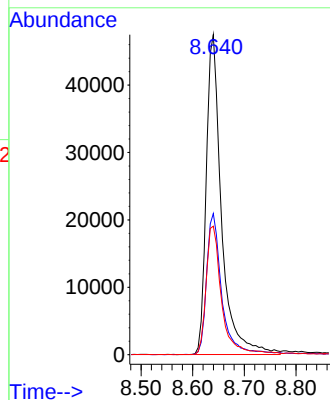
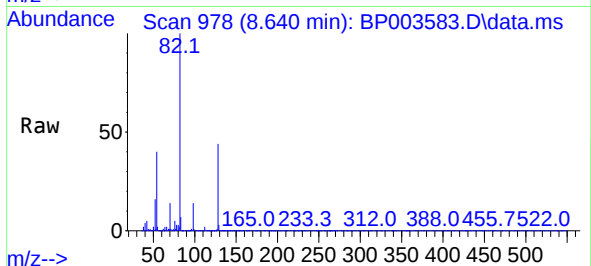
#23
Nitrobenzene-d5
Concen: 28.75 ng
RT: 8.640 min Scan# 978
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion: 82 Resp: 97376
Ion Ratio Lower Upper
82 100
128 44.1 45.6 68.4#
54 40.2 30.1 45.1

Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

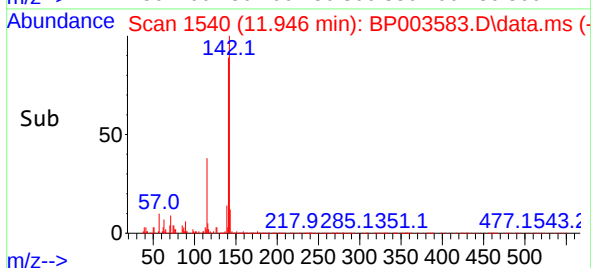
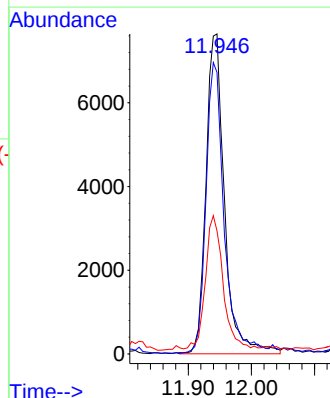
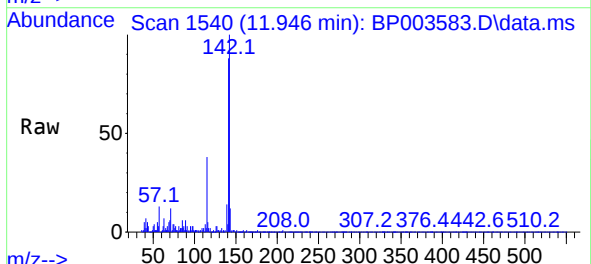
Manual Integrations
APPROVED

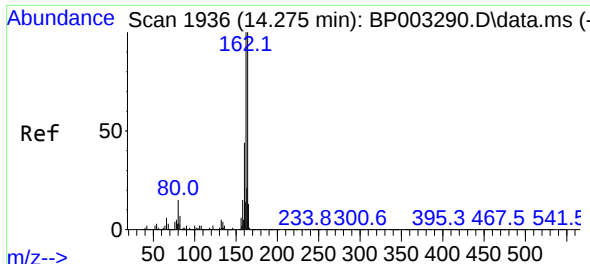
mohammad
10/12/2020 11:32:35 AM



#37
2-Methylnaphthalene
Concen: 2.05 ng
RT: 11.946 min Scan# 1540
Delta R.T. 0.012 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

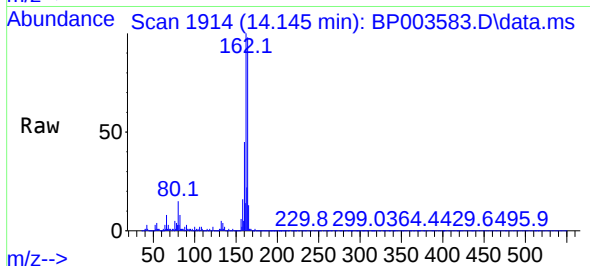
Tgt Ion: 142 Resp: 15573
Ion Ratio Lower Upper
142 100
141 88.0 71.4 107.2
115 38.5 25.8 38.6





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.145 min Scan# 1914
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

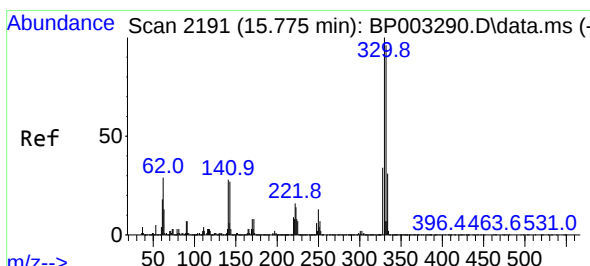
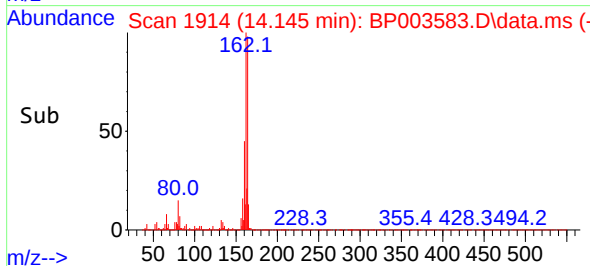
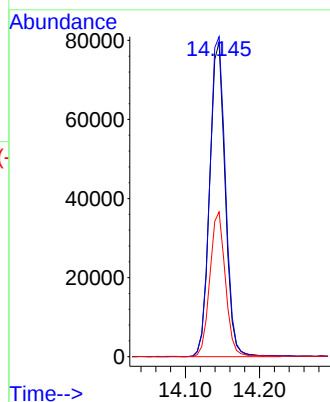
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B



Tgt Ion:164 Resp: 115291
Ion Ratio Lower Upper
164 100
162 101.7 79.4 119.2
160 46.0 36.1 54.1

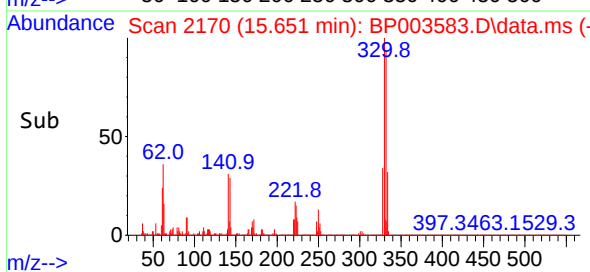
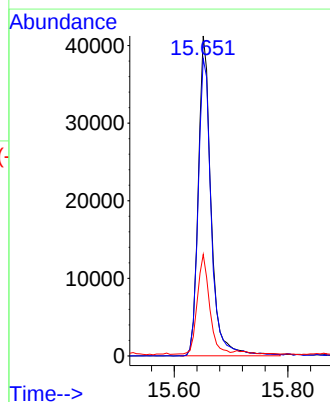
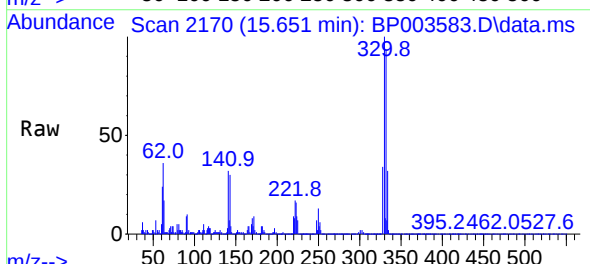
Manual Integrations
APPROVED

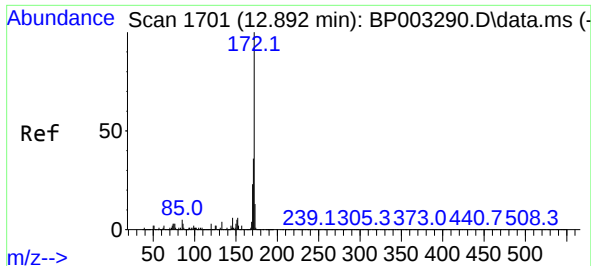
mohammad
10/12/2020 11:32:35 AM



#42
2,4,6-Tribromophenol
Concen: 36.77 ng
RT: 15.651 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion:330 Resp: 64667
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 29.8 23.4 35.2





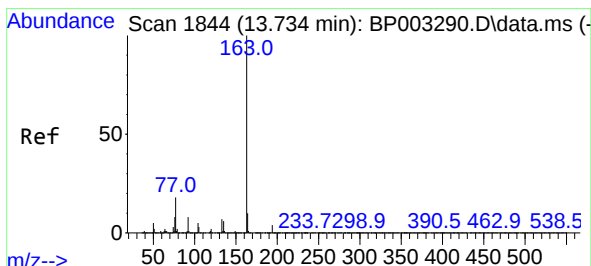
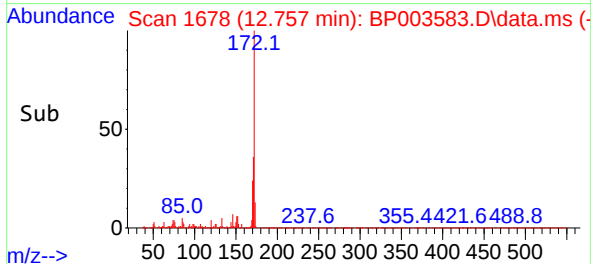
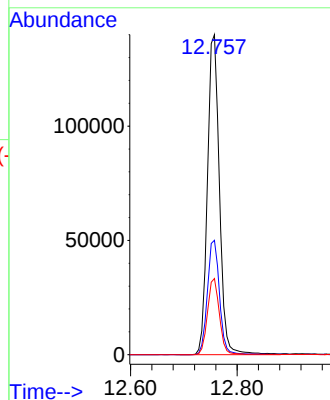
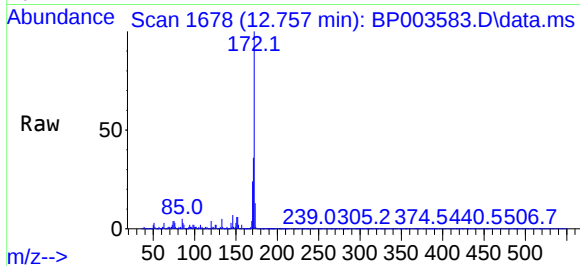
#45
2-Fluorobiphenyl
Concen: 27.70 ng
RT: 12.757 min Scan# 1678
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion:	172	Resp:	218351
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.5	42.7
170	23.8	19.2	28.8

Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

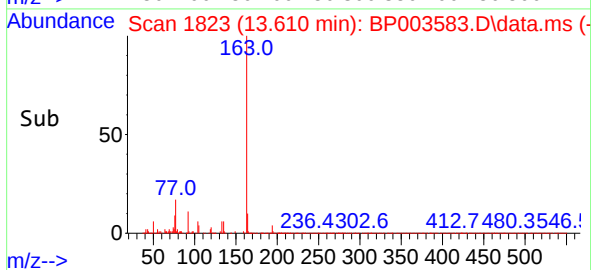
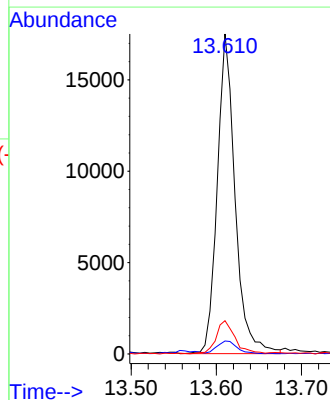
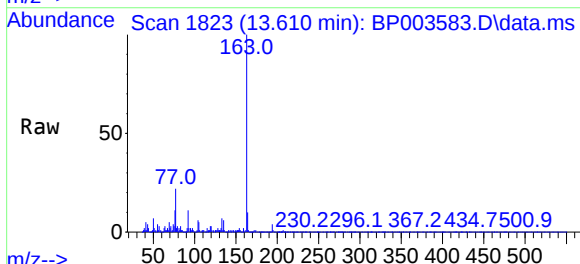
Manual Integrations
APPROVED

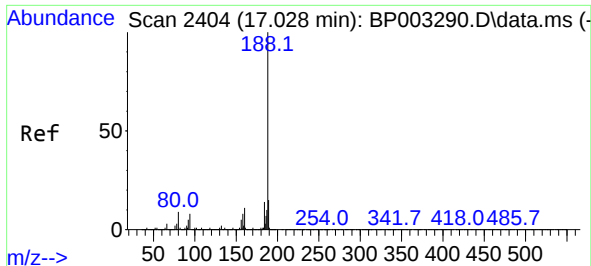
mohammad
10/12/2020 11:32:35 AM



#50
Dimethylphthalate
Concen: 2.77 ng
RT: 13.610 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

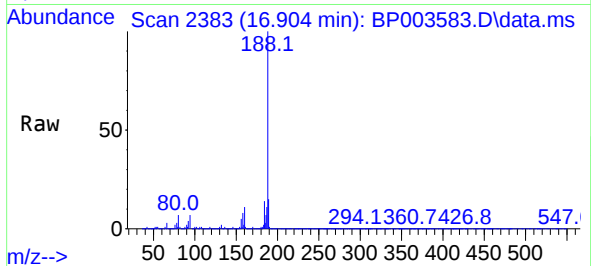
Tgt Ion:	163	Resp:	25533
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.4	8.2	12.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.904 min Scan# 2383
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

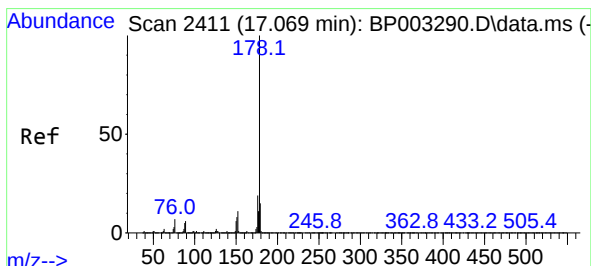
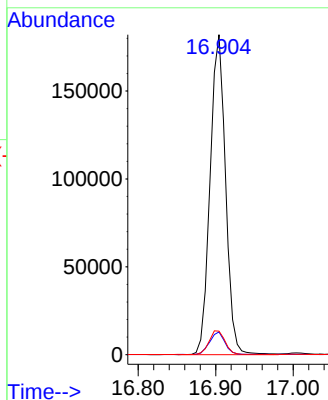
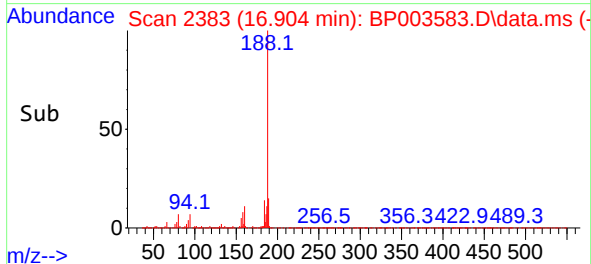
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B



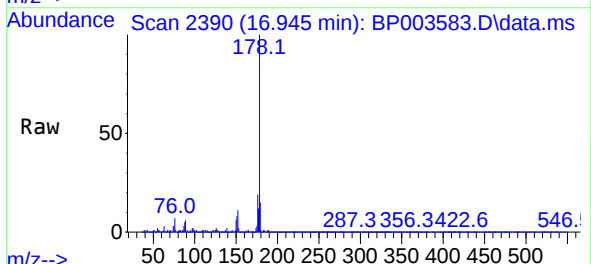
Tgt Ion:188 Resp: 251998
Ion Ratio Lower Upper
188 100
94 7.1 6.2 9.2
80 7.4 6.2 9.2

Manual Integrations
APPROVED

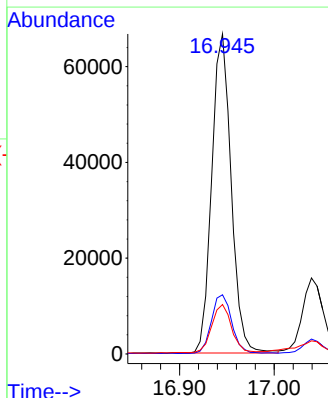
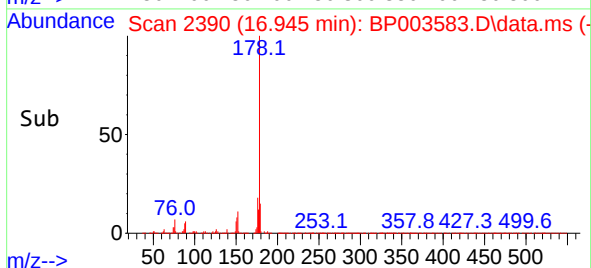
mohammad
10/12/2020 11:32:35 AM

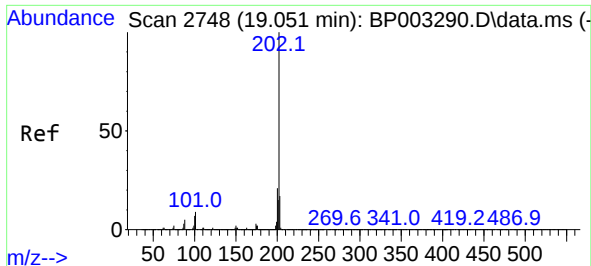


#71
Phenanthrene
Concen: 6.94 ng
RT: 16.945 min Scan# 2390
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47



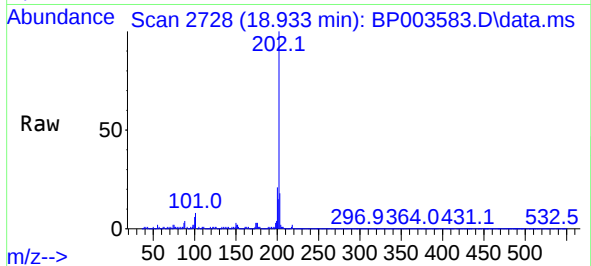
Tgt Ion:178 Resp: 95117
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 11.03 ng
RT: 18.933 min Scan# 2728
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

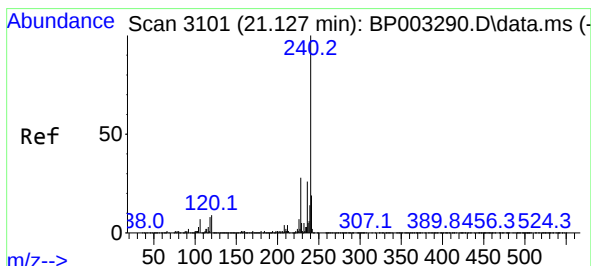
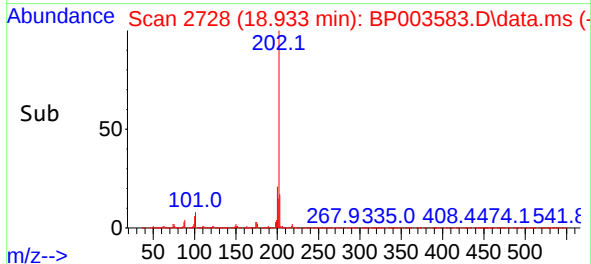
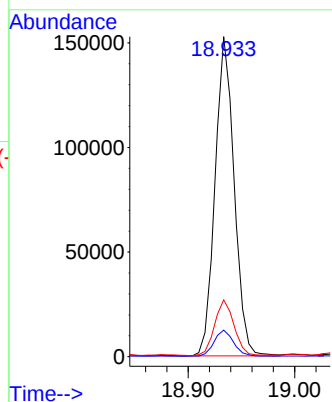
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B



Tgt Ion:202 Resp: 190102
Ion Ratio Lower Upper
202 100
101 8.3 0.0 29.4
203 17.8 0.0 37.8

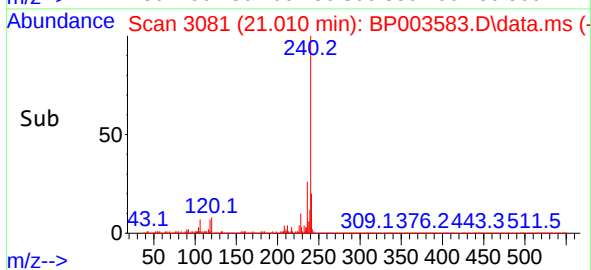
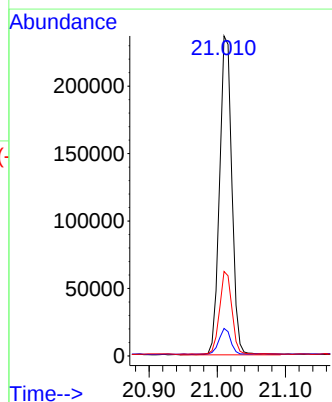
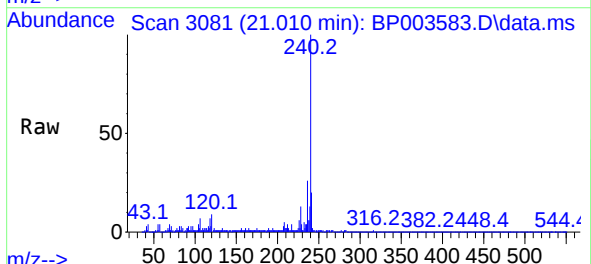
Manual Integrations
APPROVED

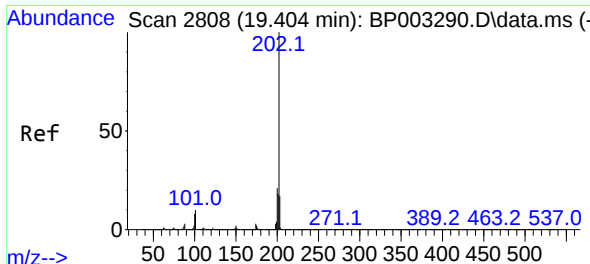
mohammad
10/12/2020 11:32:35 AM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.010 min Scan# 3081
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

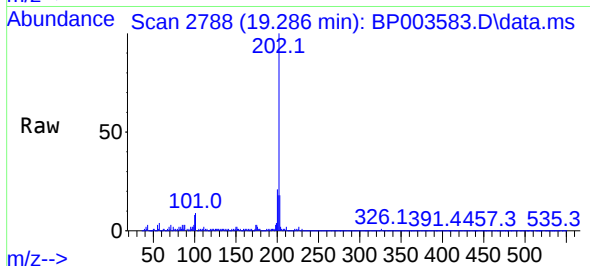
Tgt Ion:240 Resp: 297106
Ion Ratio Lower Upper
240 100
120 8.6 7.8 11.6
236 26.4 20.8 31.2





#78
Pyrene
Concen: 9.89 ng
RT: 19.286 min Scan# 2788
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

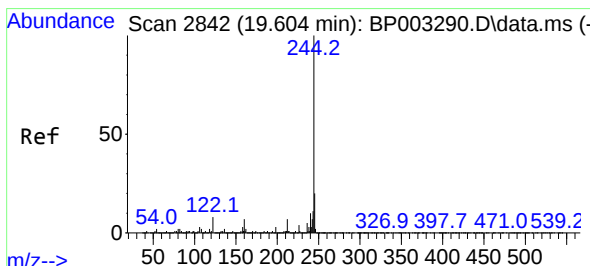
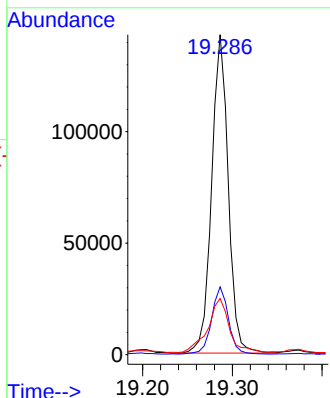
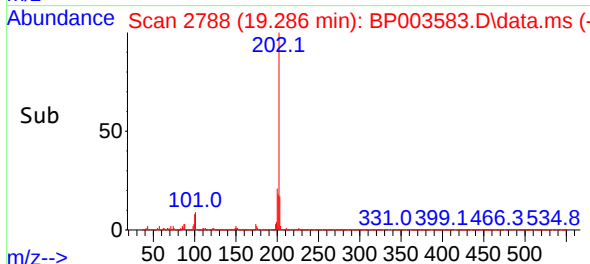
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B



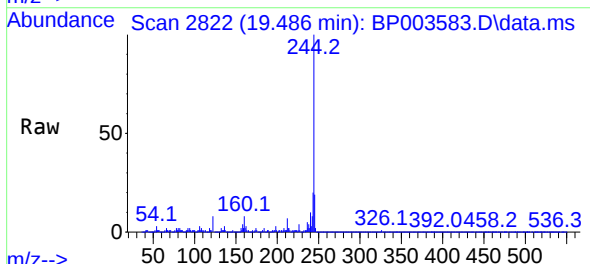
Tgt Ion:202 Resp: 183310
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.5 14.2 21.2

Manual Integrations
APPROVED

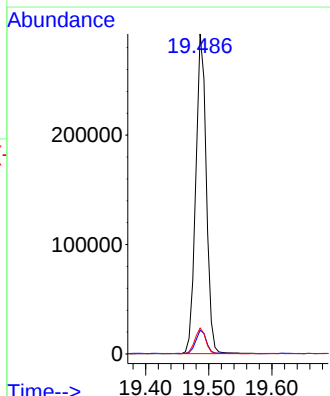
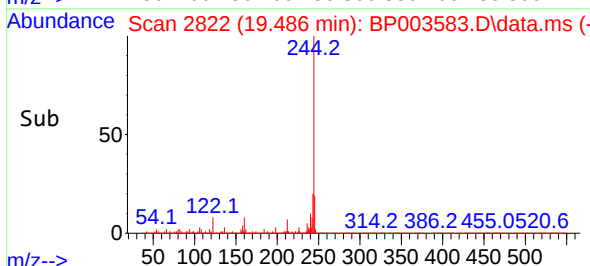
mohammad
10/12/2020 11:32:35 AM

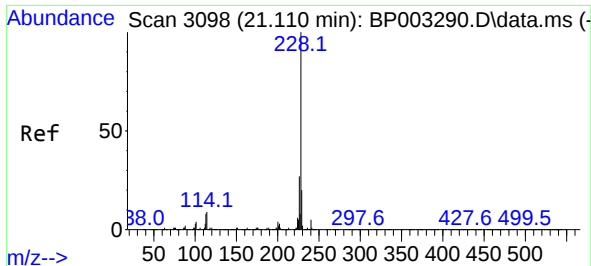


#79
Terphenyl-d14
Concen: 23.73 ng
RT: 19.486 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

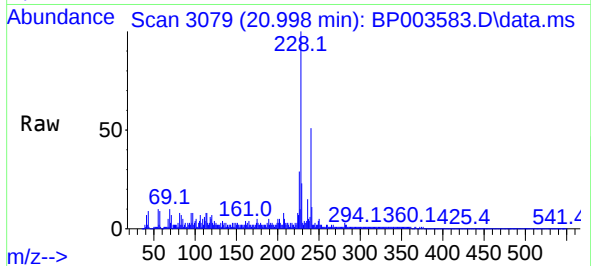


Tgt Ion:244 Resp: 338436
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 8.1 7.8 11.8

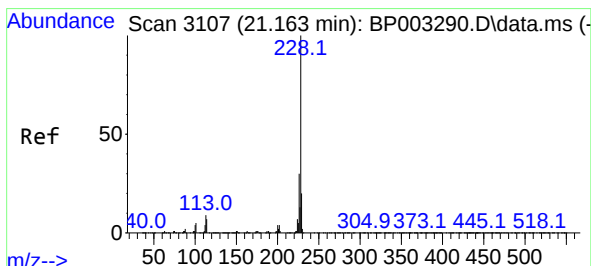
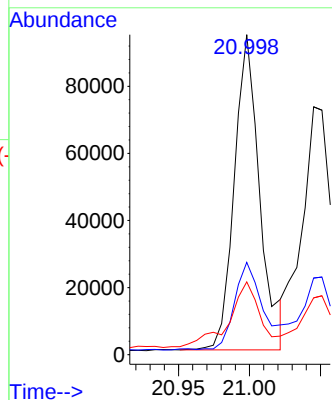
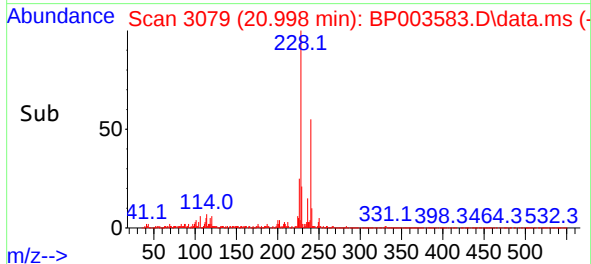




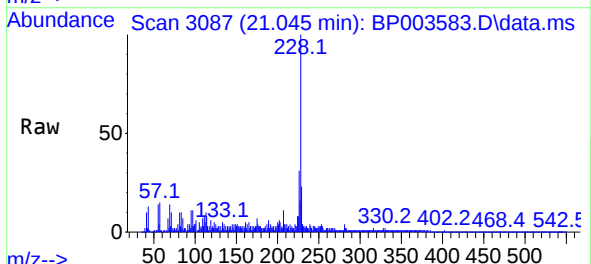
#81
Benzo(a)anthracene
Concen: 6.08 ng
RT: 20.998 min Scan# 3079
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47



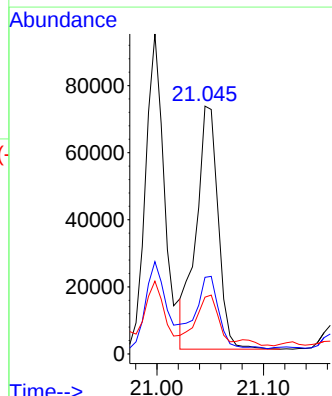
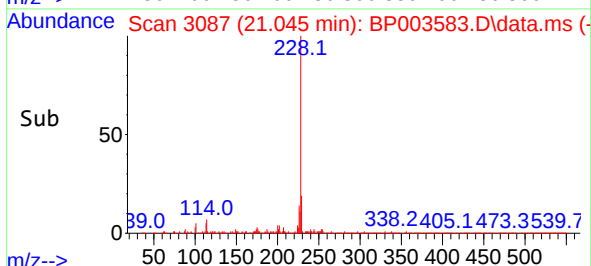
Tgt Ion:228 Resp: 116707
Ion Ratio Lower Upper
228 100
226 28.9 22.1 33.1
229 22.8 15.9 23.9



#83
Chrysene
Concen: 5.68 ng
RT: 21.045 min Scan# 3087
Delta R.T. 0.000 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47



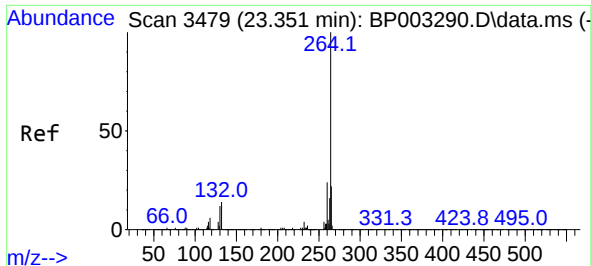
Tgt Ion:228 Resp: 104826
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.9 15.8 23.6



Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

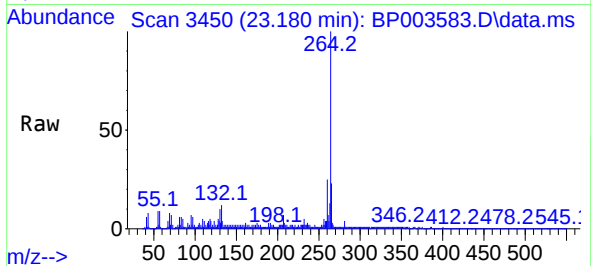
Manual Integrations
APPROVED

mohammad
10/12/2020 11:32:35 AM



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.180 min Scan# 3450
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

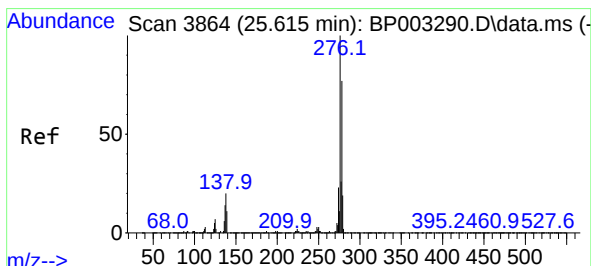
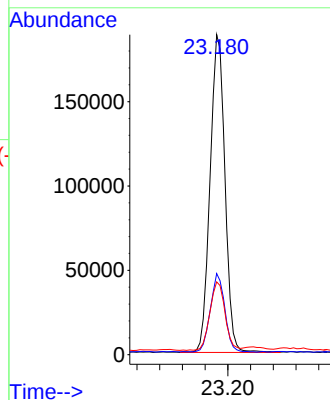
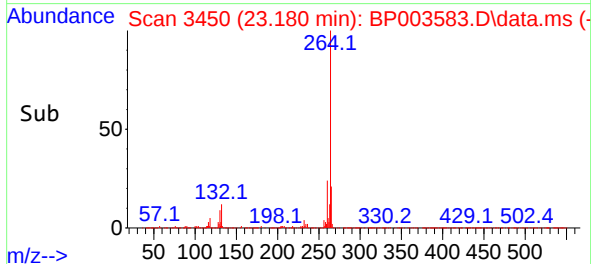
Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B



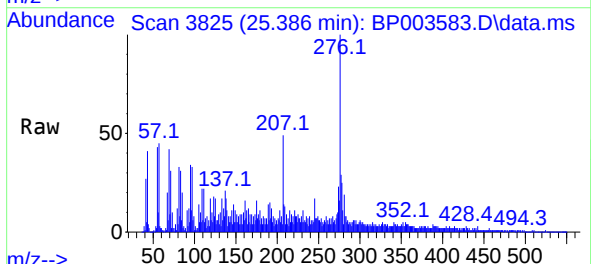
Tgt Ion:264 Resp: 341536
Ion Ratio Lower Upper
264 100
260 25.3 18.8 28.2
265 22.8 17.4 26.2

Manual Integrations
APPROVED

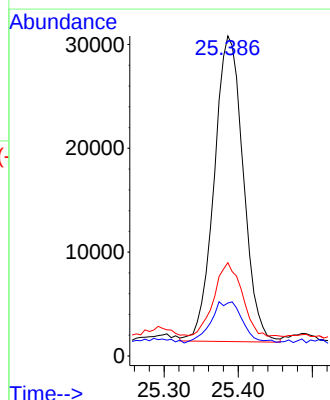
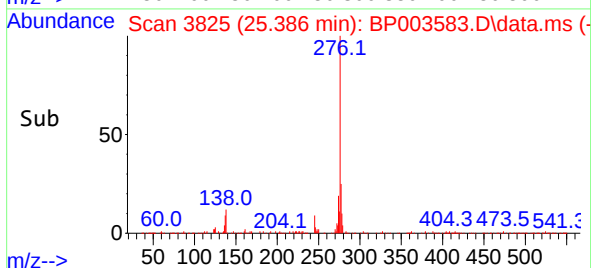
mohammad
10/12/2020 11:32:35 AM

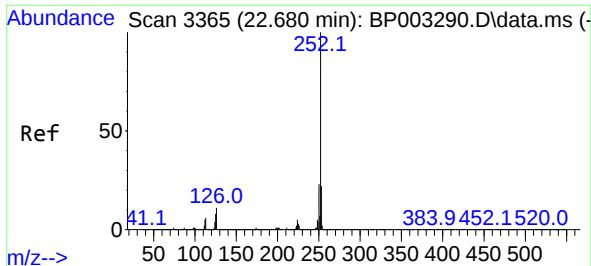


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.09 ng
RT: 25.386 min Scan# 3825
Delta R.T. 0.018 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47



Tgt Ion:276 Resp: 80007
Ion Ratio Lower Upper
276 100
138 14.9 18.7 28.1#
277 23.2 20.4 30.6





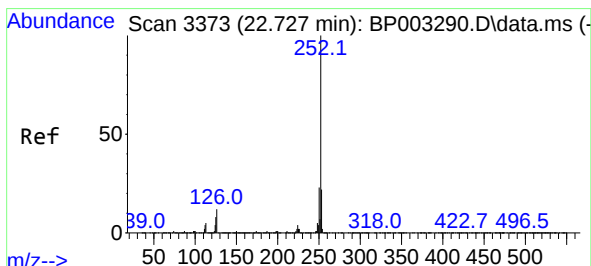
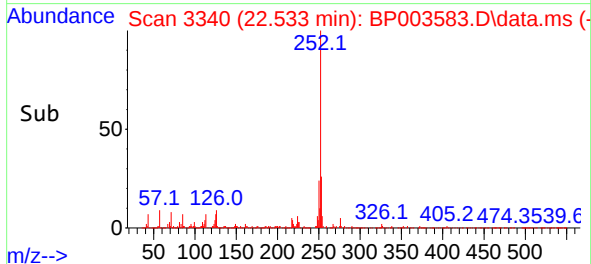
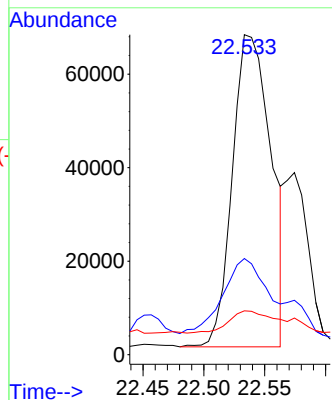
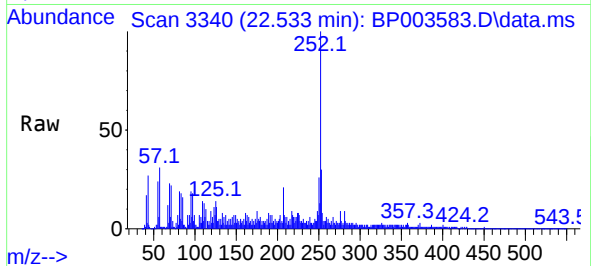
#88
Benzo(b)fluoranthene
Concen: 6.86 ng m
RT: 22.533 min Scan# 3340
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion:252 Resp: 147854
Ion Ratio Lower Upper
252 100
253 30.0 17.6 26.4#
125 13.7 7.3 10.9#

Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

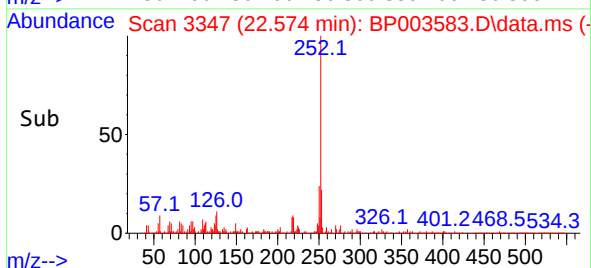
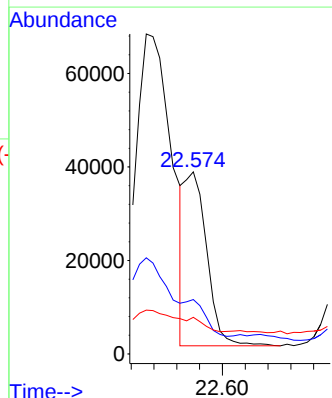
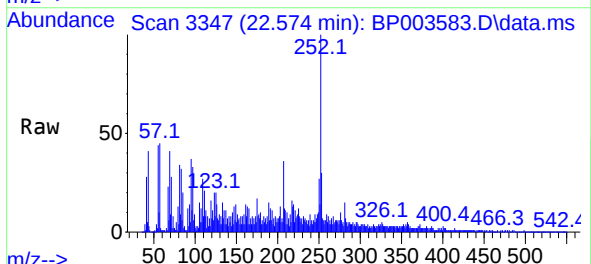
Manual Integrations
APPROVED

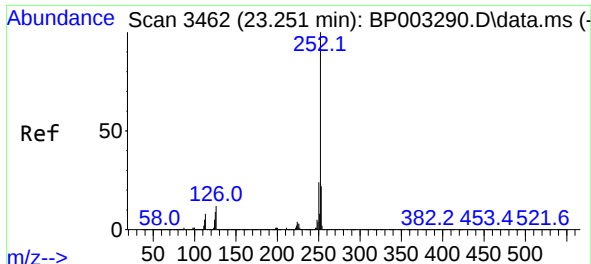
mohammad
10/12/2020 11:32:35 AM



#89
Benzo(k)fluoranthene
Concen: 2.45 ng m
RT: 22.574 min Scan# 3347
Delta R.T. 0.006 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion:252 Resp: 50729
Ion Ratio Lower Upper
252 100
253 29.9 17.8 26.8#
125 20.2 7.4 11.2#





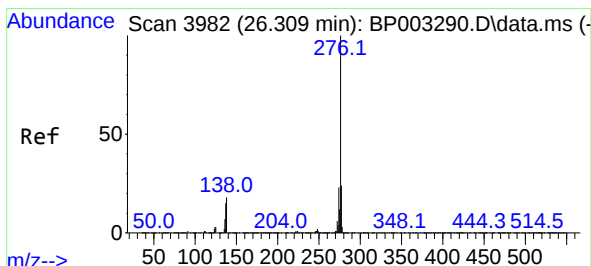
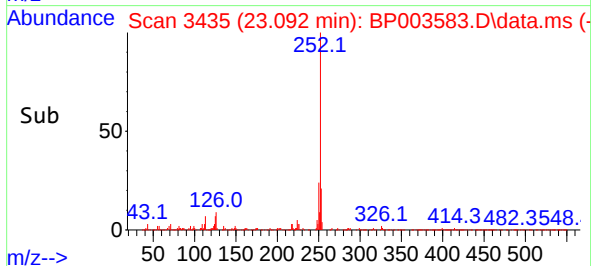
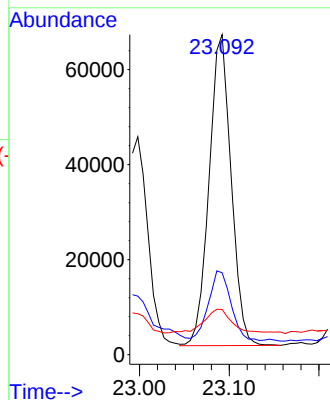
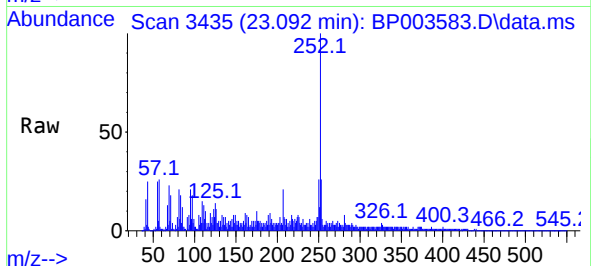
#90
Benzo(a)pyrene
Concen: 5.48 ng
RT: 23.092 min Scan# 3435
Delta R.T. 0.012 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion: 252 Resp: 111386
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.0
125 14.2 8.2 12.4#

Instrument :
BNA_P
ClientSampleId :
OWLS-HEAD-BH-05-B

Manual Integrations
APPROVED

mohammad
10/12/2020 11:32:35 AM



#92
Benzo(g,h,i)perylene
Concen: 3.67 ng
RT: 26.062 min Scan# 3940
Delta R.T. 0.030 min
Lab File: BP003583.D
Acq: 08 Oct 2020 21:47

Tgt Ion: 276 Resp: 78369
Ion Ratio Lower Upper
276 100
277 29.3 19.0 28.6#
138 17.2 16.6 24.8

