

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003433.D
 Acq On : 01 Oct 2020 02:17
 Operator : CG/JU
 Sample : L4193-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-13(11-13)

Manual Integrations
 APPROVED

mohammad
 10/1/2020 1:34:13 PM

Quant Time: Oct 01 04:09:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 30 17:14:02 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.540	152	70946	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	309175	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	205382	20.00	ng	0.00
64) Phenanthrene-d10	16.963	188	498568	20.00	ng	# 0.02
76) Chrysene-d12	21.204	240	510786	20.00	ng	0.14
86) Perylene-d12	23.786	264	620830m	20.00	ng	0.53
System Monitoring Compounds						
5) 2-Fluorophenol	5.152	112	446934	110.00	ng	0.00
7) Phenol-d6	6.746	99	606213	111.94	ng	0.00
23) Nitrobenzene-d5	8.693	82	395809	75.21	ng	0.00
42) 2,4,6-Tribromophenol	15.710	330	295706	94.40	ng	0.02
45) 2-Fluorobiphenyl	12.810	172	877775	62.51	ng	0.00
79) Terphenyl-d14	19.580	244	1573849	64.20	ng	0.05
Target Compounds						Qvalue
31) Naphthalene	10.363	128	171944	10.53	ng	99
37) 2-Methylnaphthalene	11.993	142	57593	4.87	ng	# 94
38) 1-Methylnaphthalene	12.216	142	44524	3.96	ng	# 99
49) Acenaphthylene	13.916	152	170547	8.80	ng	98
50) Dimethylphthalate	13.657	163	95434	5.82	ng	# 97
52) Acenaphthene	14.257	154	275774	23.38	ng	99
55) Dibenzofuran	14.598	168	255820	13.59	ng	94
58) Fluorene	15.257	166	347940	23.40	ng	99
71) Phenanthrene	17.016	178	4274981	157.60	ng	98
72) Anthracene	17.104	178	1308359	48.94	ng	100
73) Carbazole	17.386	167	554903	21.85	ng	98
75) Fluoranthene	19.028	202	7047494	206.62	ng	97
78) Pyrene	19.386	202	5860032	183.96	ng	98
81) Benzo(a)anthracene	21.204	228	7034086	213.03	ng	# 92
83) Chrysene	21.351	228	509215m	16.05	ng	
84) Bis(2-ethylhexyl)phtha...	21.045	149	52390	2.55	ng	# 97
88) Benzo(b)fluoranthene	22.945	252	6850472m	174.74	ng	
89) Benzo(k)fluoranthene	23.610	252	6469026m	172.17	ng	
90) Benzo(a)pyrene	23.610	252	6534723m	176.77	ng	
92) Benzo(g,h,i)perylene	26.574	276	2887930m	74.50	ng	

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

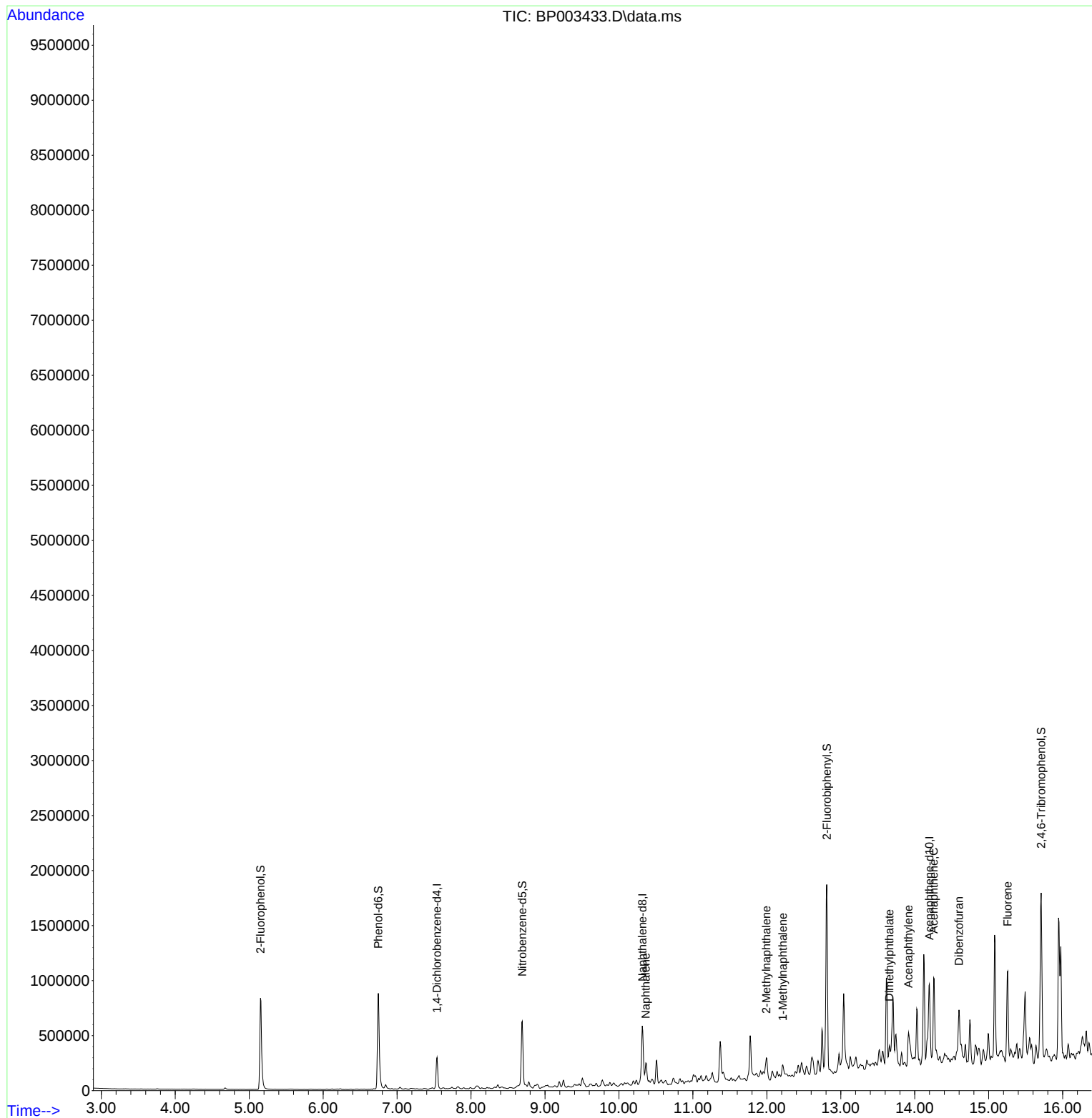
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

Manual Integrations
APPROVED

mohammad
10/1/2020 1:34:13 PM

Quant Time: Oct 01 04:09:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 17:14:02 2020
Response via : Initial Calibration



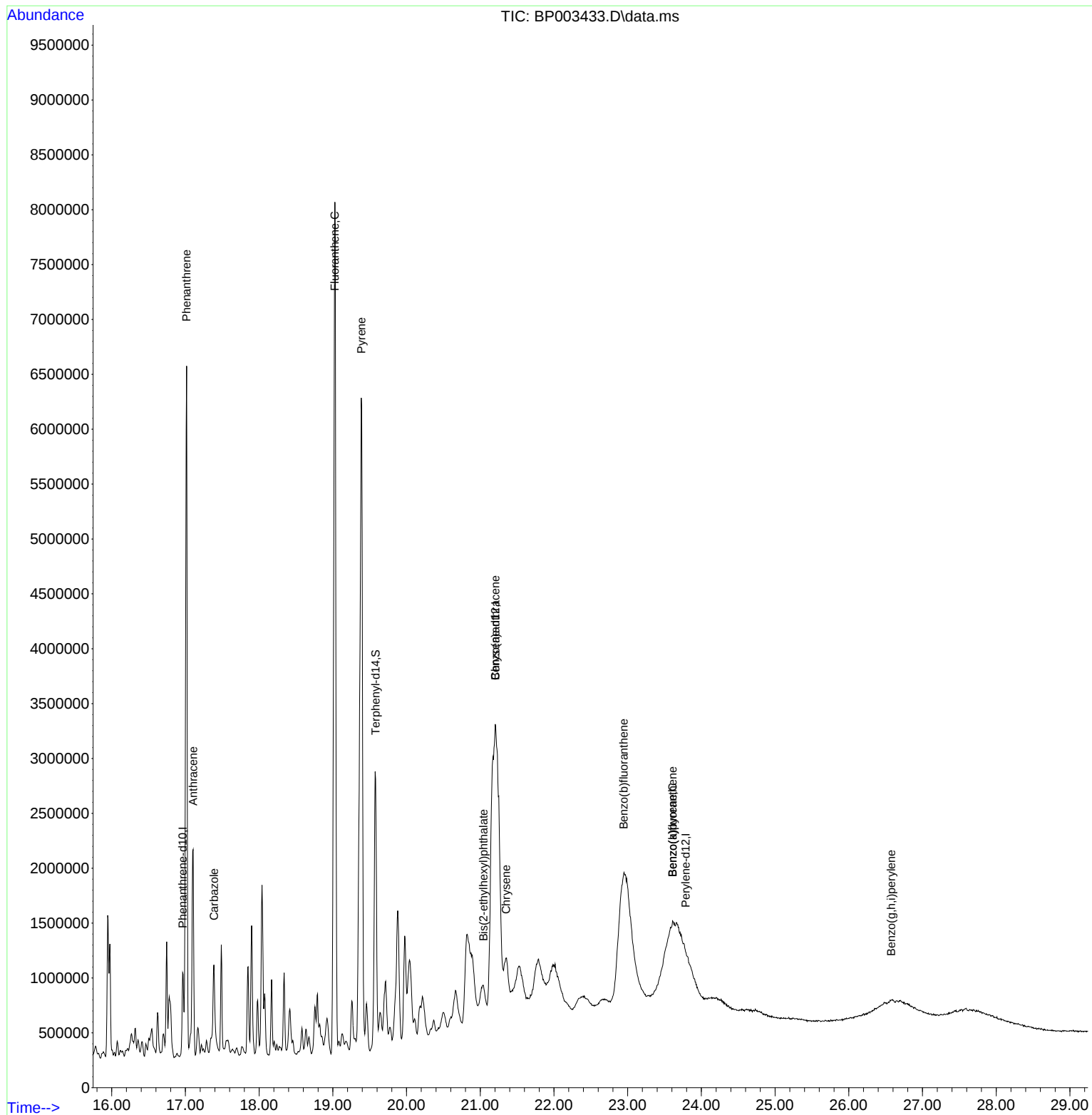
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003433.D
Acq On : 01 Oct 2020 02:17
Operator : CG/JU
Sample : L4193-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

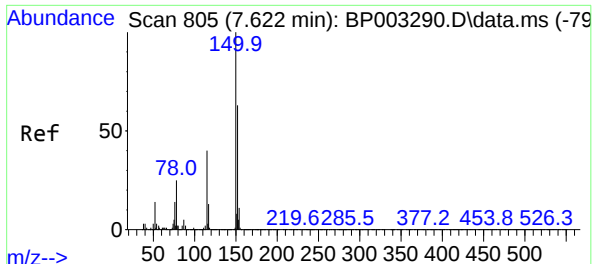
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

Manual Integrations
APPROVED

mohammad
10/1/2020 1:34:13 PM

Quant Time: Oct 01 04:09:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 30 17:14:02 2020
Response via : Initial Calibration





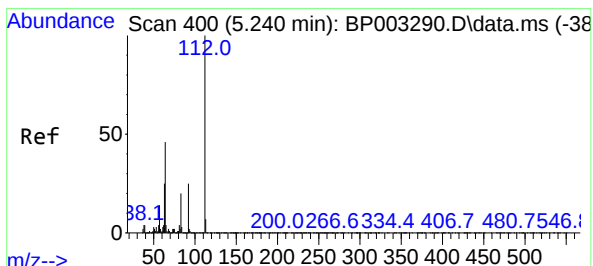
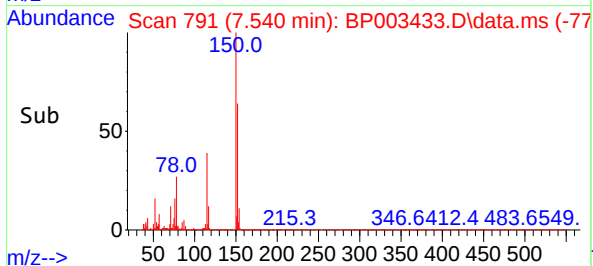
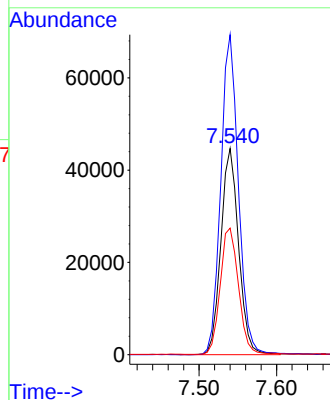
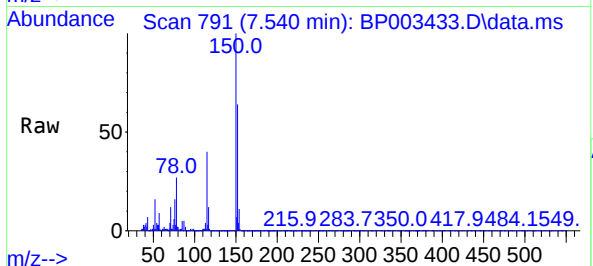
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:152 Resp: 70946
Ion Ratio Lower Upper
152 100
150 155.2 123.8 185.6
115 61.3 43.8 65.6

Instrument :
BNA_P
ClientSampled :
B-13(11-13)

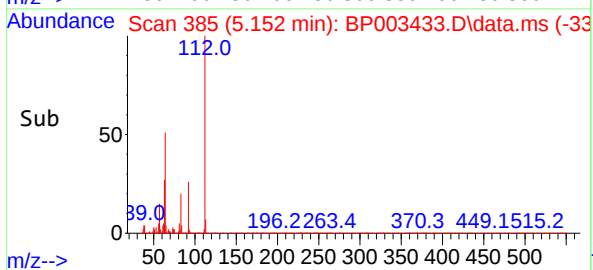
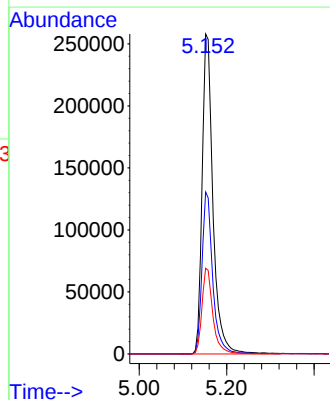
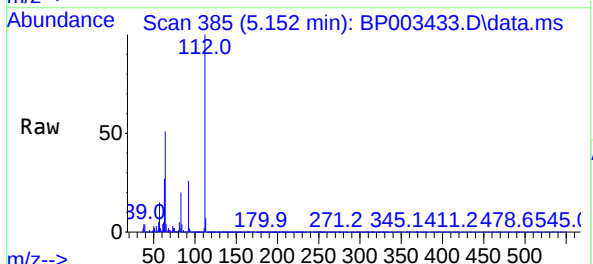
Manual Integrations
APPROVED

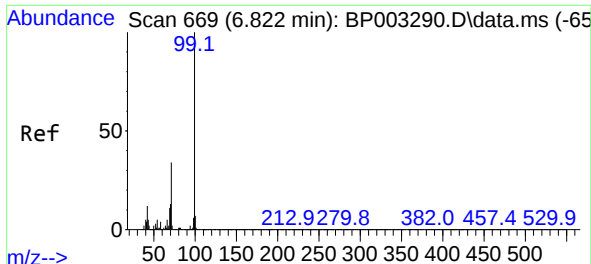
mohammad
10/1/2020 1:34:13 PM



#5
2-Fluorophenol
Concen: 110.00 ng
RT: 5.152 min Scan# 385
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:112 Resp: 446934
Ion Ratio Lower Upper
112 100
64 50.6 32.8 49.2#
63 26.8 17.0 25.4#





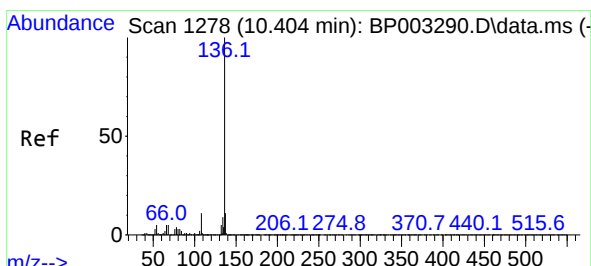
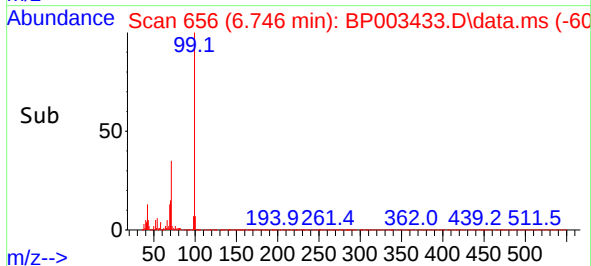
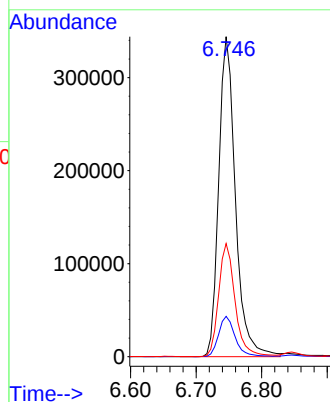
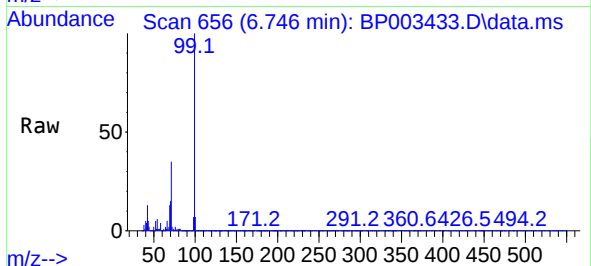
#7
Phenol-d6
Concen: 111.94 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion: 99 Resp: 606213
Ion Ratio Lower Upper
99 100
42 12.6 8.6 13.0
71 35.3 23.4 35.2#

Instrument :
BNA_P
ClientSampled :
B-13(11-13)

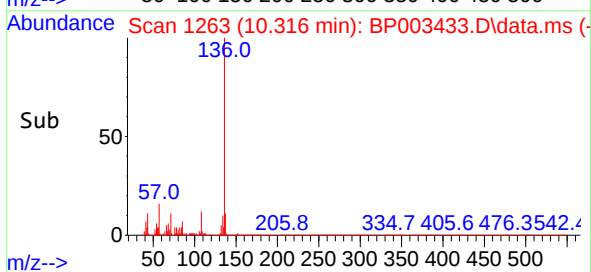
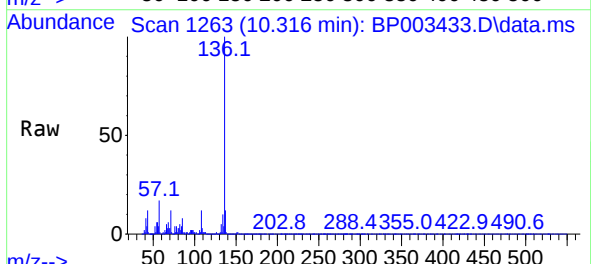
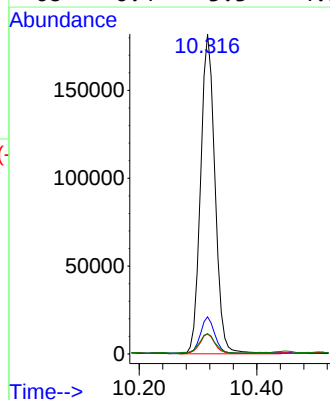
Manual Integrations
APPROVED

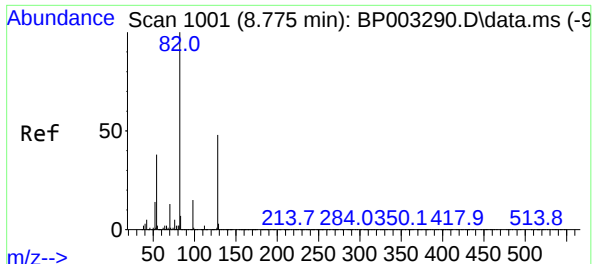
mohammad
10/1/2020 1:34:13 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion: 136 Resp: 309175
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 6.2 3.6 5.4#
68 6.4 3.3 4.9#





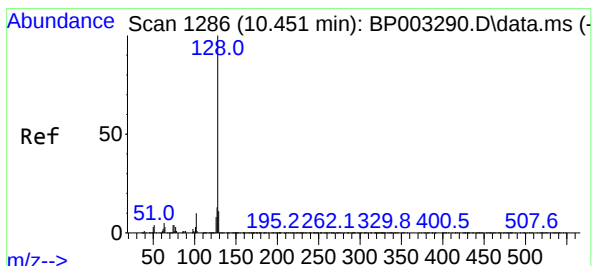
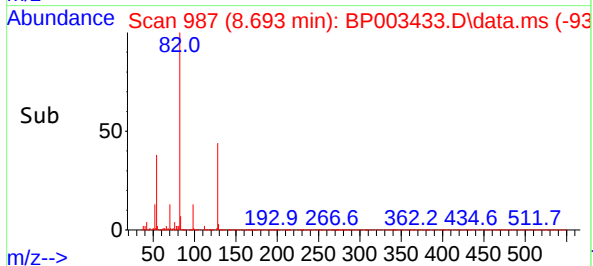
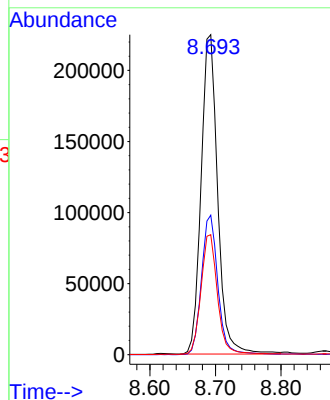
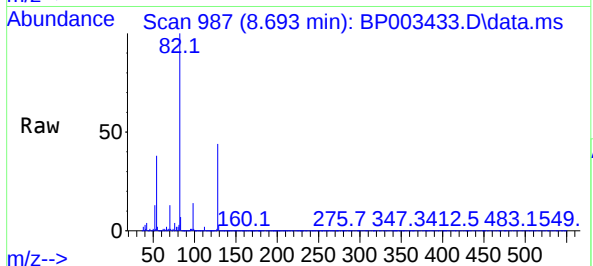
#23
Nitrobenzene-d5
Concen: 75.21 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion: 82 Resp: 395809
Ion Ratio Lower Upper
82 100
128 43.6 45.6 68.4#
54 37.5 30.1 45.1

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

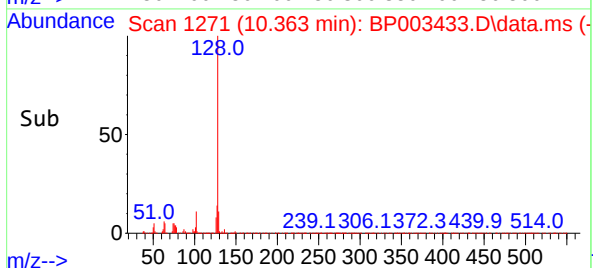
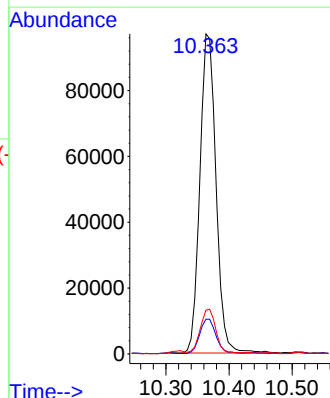
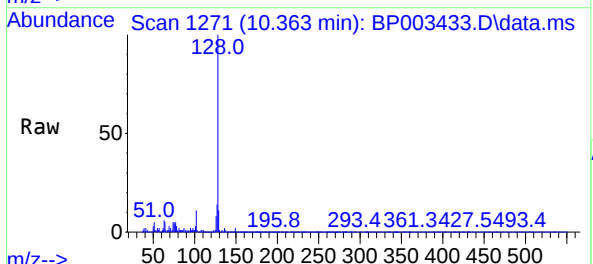
Manual Integrations
APPROVED

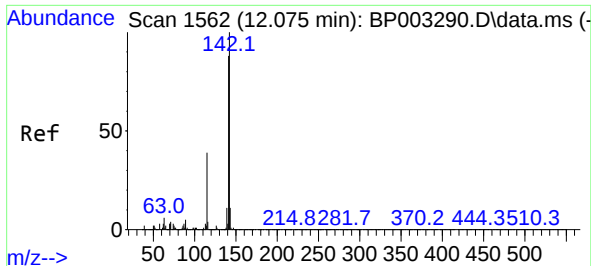
mohammad
10/1/2020 1:34:13 PM



#31
Naphthalene
Concen: 10.53 ng
RT: 10.363 min Scan# 1271
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion: 128 Resp: 171944
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.7 10.6 15.8





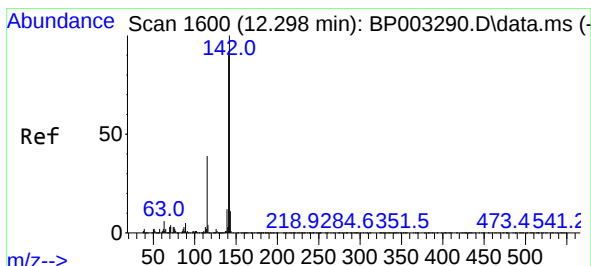
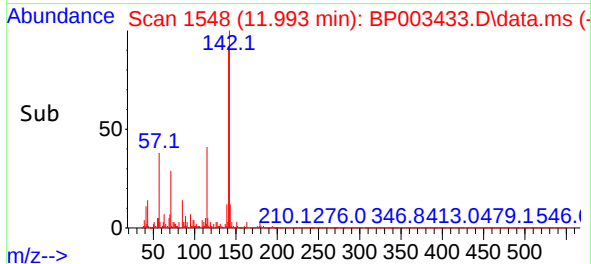
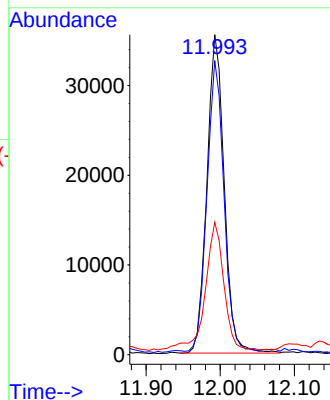
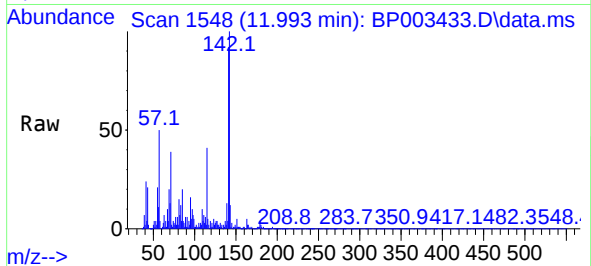
#37
2-Methylnaphthalene
Concen: 4.87 ng
RT: 11.993 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.4	107.2
115	41.4	25.8	38.6#

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

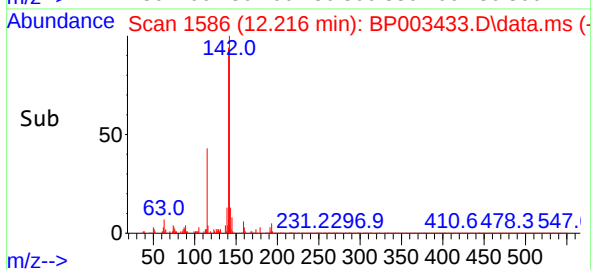
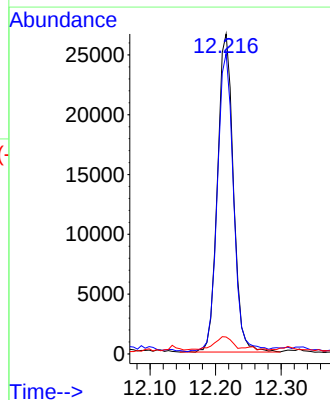
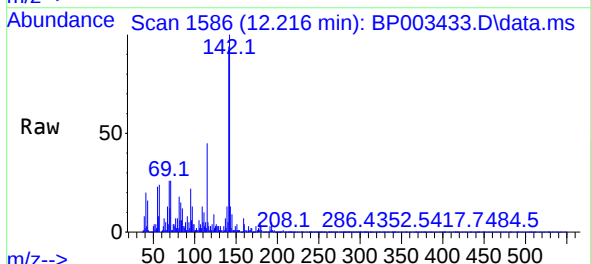
Manual Integrations
APPROVED

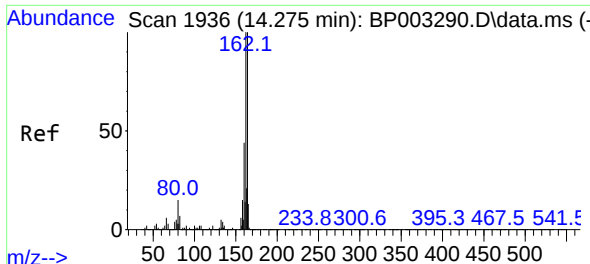
mohammad
10/1/2020 1:34:13 PM



#38
1-Methylnaphthalene
Concen: 3.96 ng
RT: 12.216 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

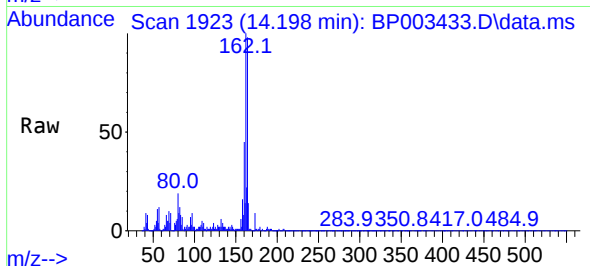
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.4	111.6
116	5.3	2.9	4.3#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

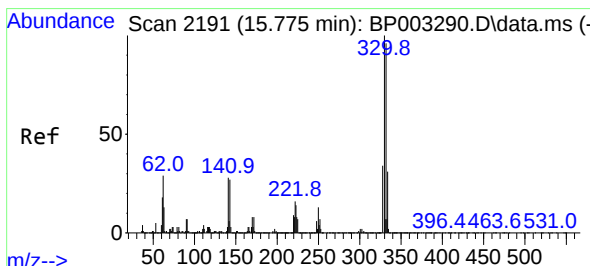
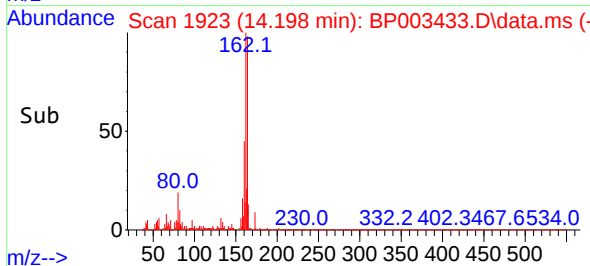
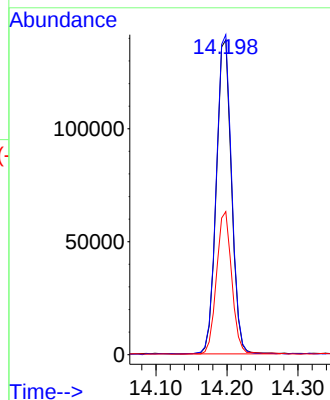
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)



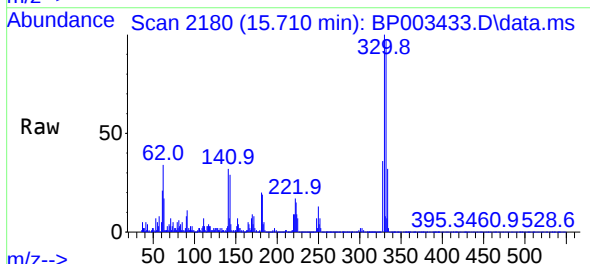
Tgt Ion:164 Resp: 205382
Ion Ratio Lower Upper
164 100
162 101.7 79.4 119.2
160 45.4 36.1 54.1

Manual Integrations
APPROVED

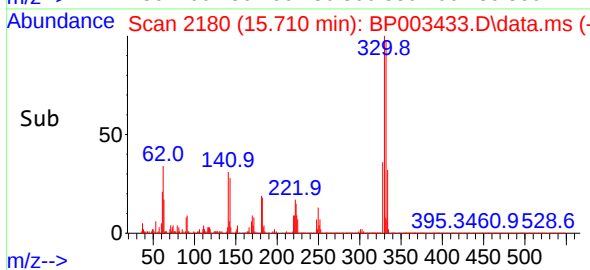
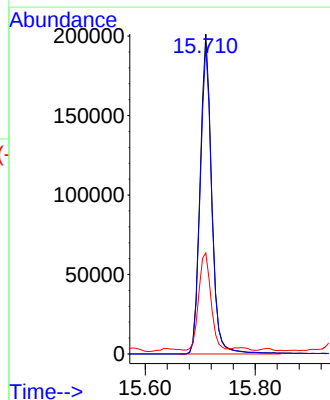
mohammad
10/1/2020 1:34:13 PM

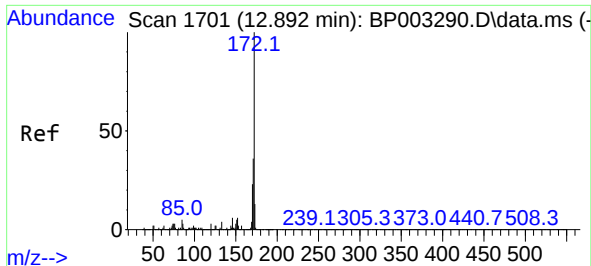


#42
2,4,6-Tribromophenol
Concen: 94.40 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17



Tgt Ion:330 Resp: 295706
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 32.1 23.4 35.2





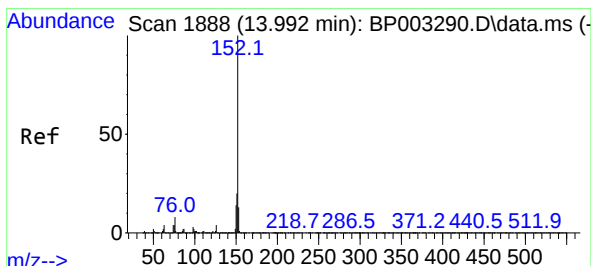
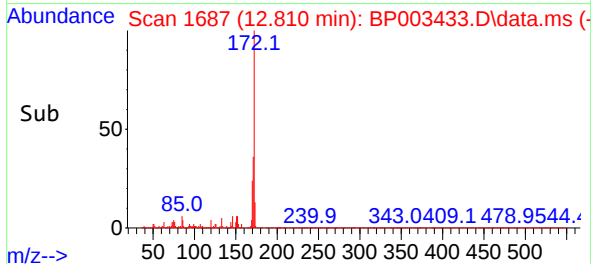
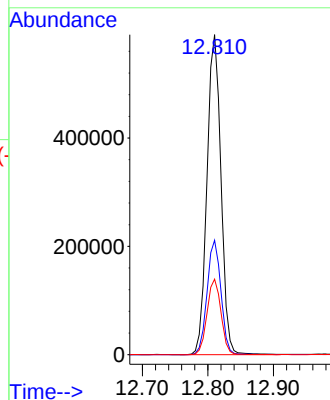
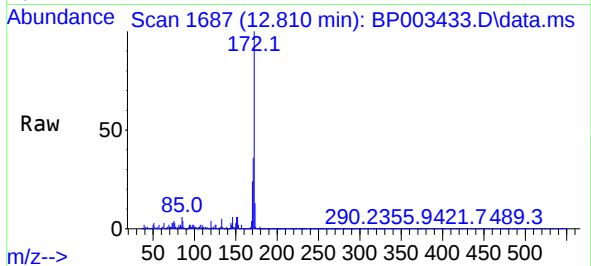
#45
2-Fluorobiphenyl
Concen: 62.51 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:	172	Resp:	877775
Ion Ratio	Lower	Upper	
172	100		
171	35.8	28.5	42.7
170	23.6	19.2	28.8

Instrument :
BNA_P
ClientSampleId :
B-13(11-13)

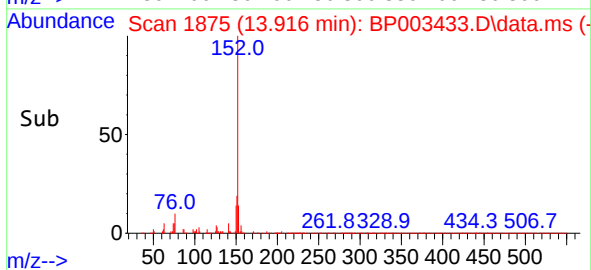
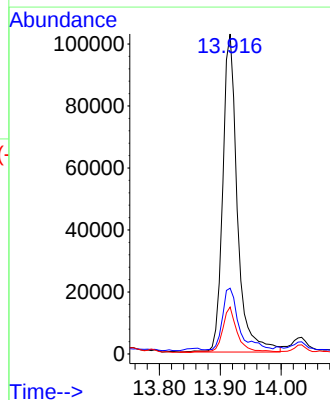
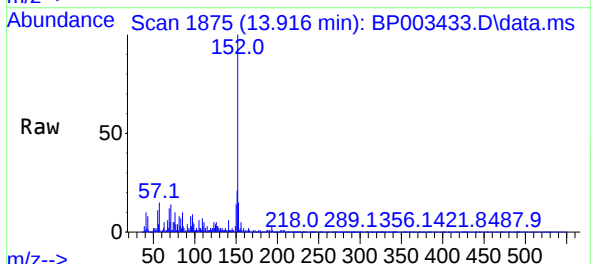
Manual Integrations
APPROVED

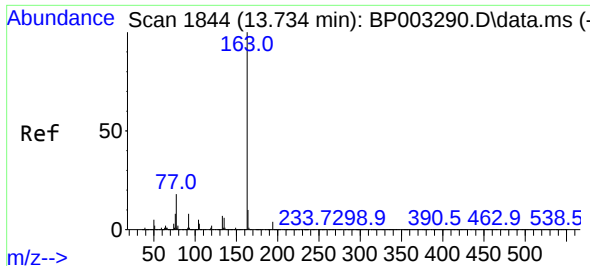
mohammad
10/1/2020 1:34:13 PM



#49
Acenaphthylene
Concen: 8.80 ng
RT: 13.916 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

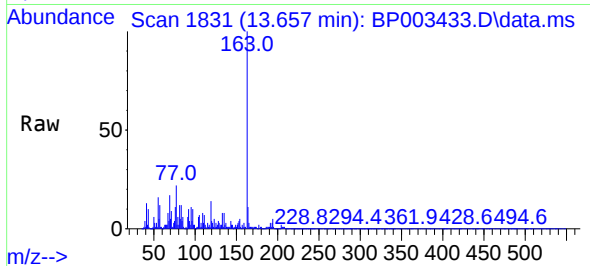
Tgt Ion:	152	Resp:	170547
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.9	23.9
153	14.6	10.5	15.7





#50
Dimethylphthalate
Concen: 5.82 ng
RT: 13.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

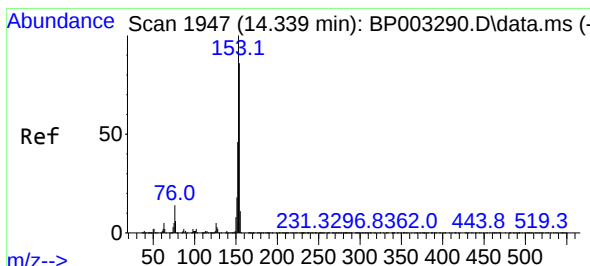
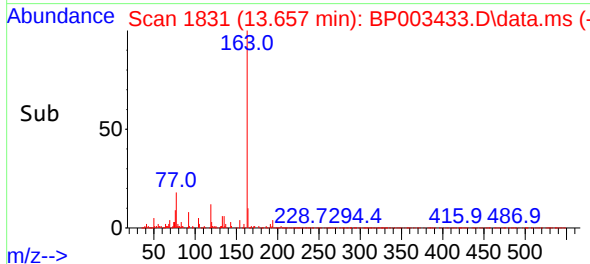
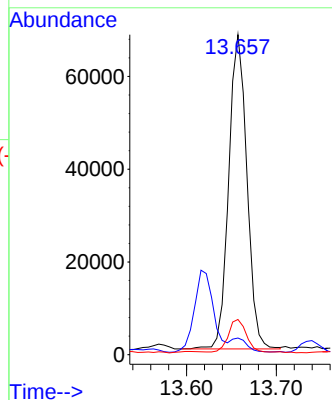
Instrument :
BNA_P
ClientSampled :
B-13(11-13)



Tgt Ion:163 Resp: 95434
Ion Ratio Lower Upper
163 100
194 5.2 3.3 4.9#
164 11.0 8.2 12.2

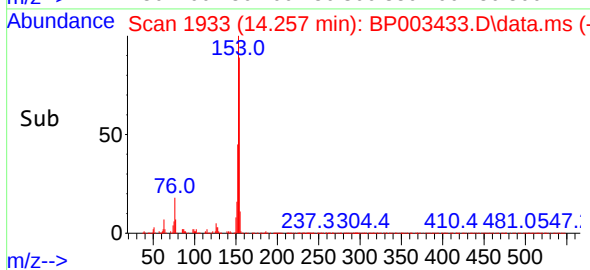
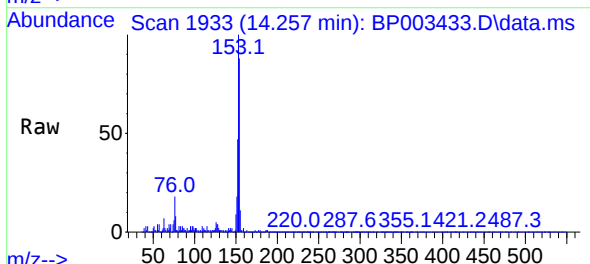
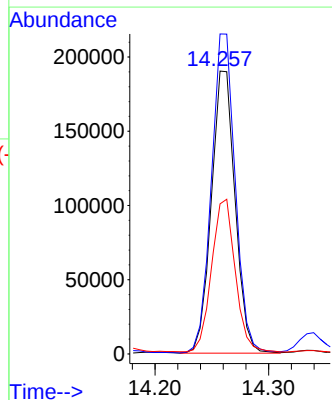
Manual Integrations
APPROVED

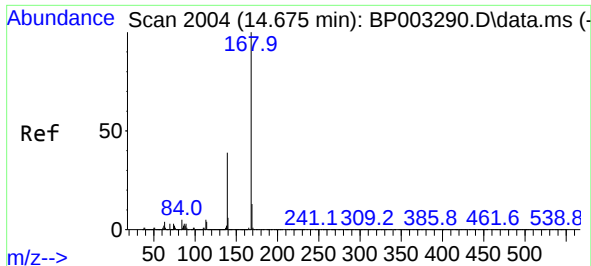
mohammad
10/1/2020 1:34:13 PM



#52
Acenaphthene
Concen: 23.38 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

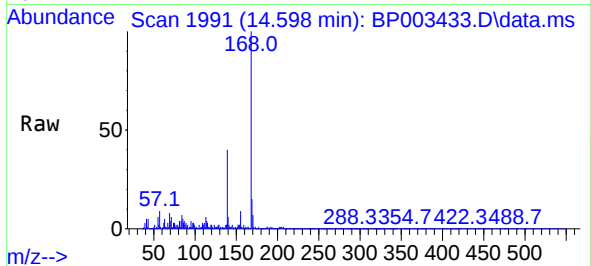
Tgt Ion:154 Resp: 275774
Ion Ratio Lower Upper
154 100
153 113.1 91.0 136.6
152 53.0 43.0 64.6





#55
Dibenzenofuran
Concen: 13.59 ng
RT: 14.598 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

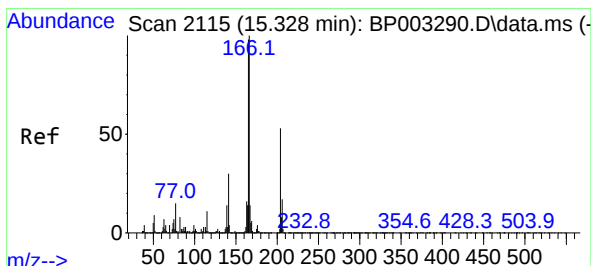
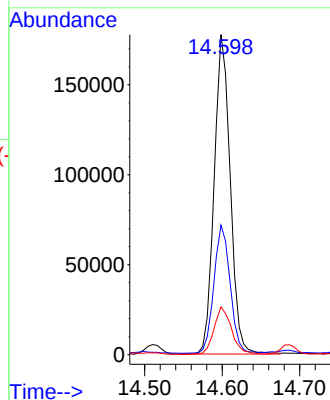
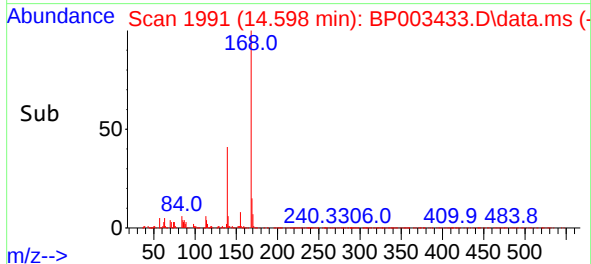
Instrument :
BNA_P
ClientSampled :
B-13(11-13)



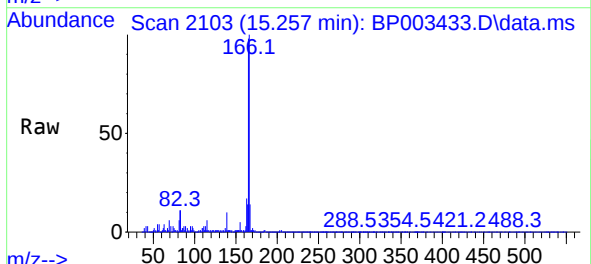
Tgt Ion:168 Resp: 255820
Ion Ratio Lower Upper
168 100
139 40.5 29.1 43.7
169 15.0 10.4 15.6

Manual Integrations
APPROVED

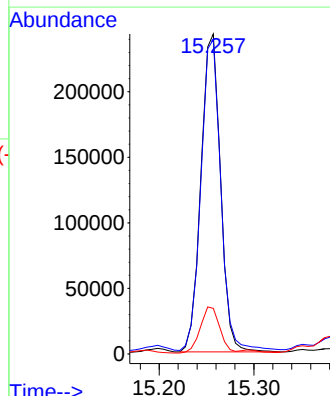
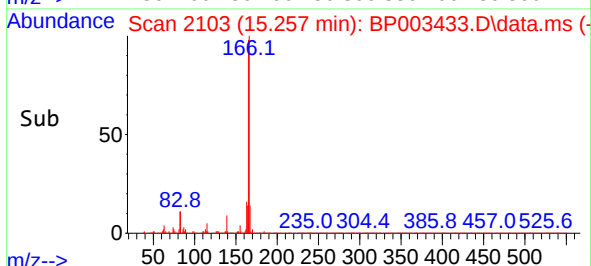
mohammad
10/1/2020 1:34:13 PM

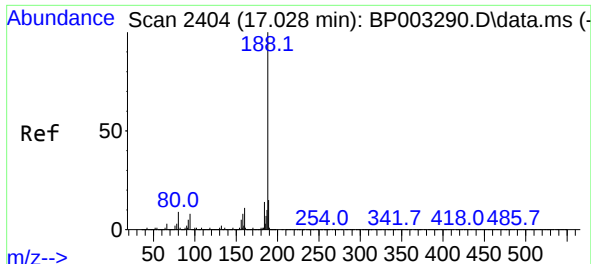


#58
Fluorene
Concen: 23.40 ng
RT: 15.257 min Scan# 2103
Delta R.T. 0.006 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17



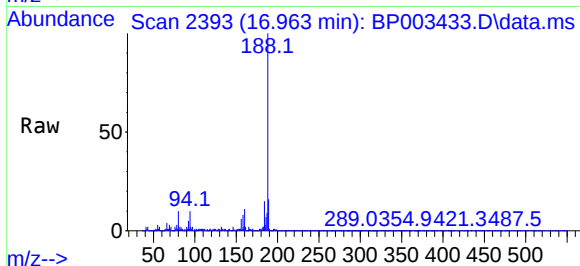
Tgt Ion:166 Resp: 347940
Ion Ratio Lower Upper
166 100
165 98.2 77.8 116.8
167 14.2 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.963 min Scan# 2393
Delta R.T. 0.018 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

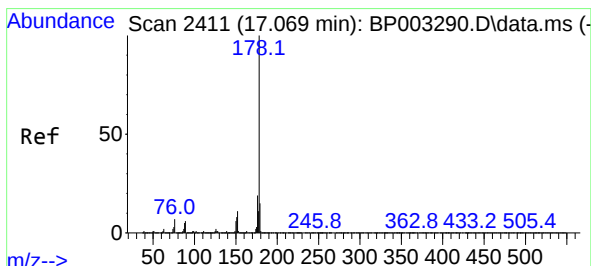
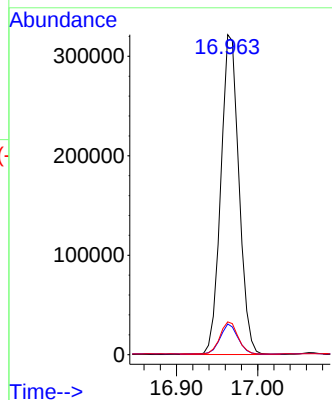
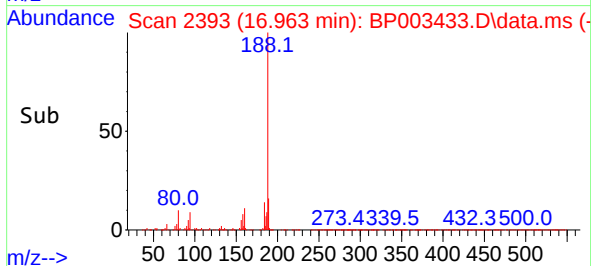
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)



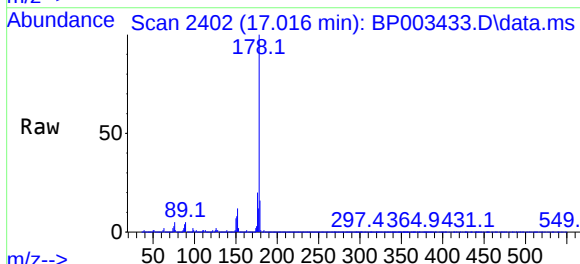
Tgt Ion:188 Resp: 498568
Ion Ratio Lower Upper
188 100
94 9.6 6.2 9.2#
80 10.3 6.2 9.2#

Manual Integrations
APPROVED

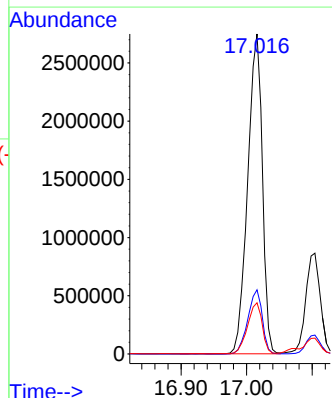
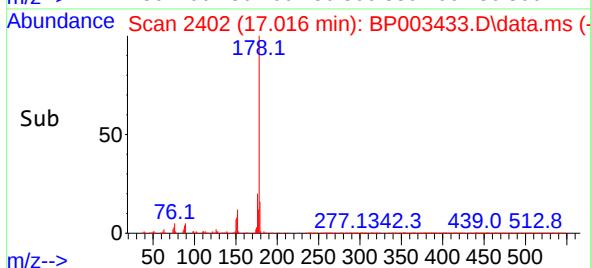
mohammad
10/1/2020 1:34:13 PM

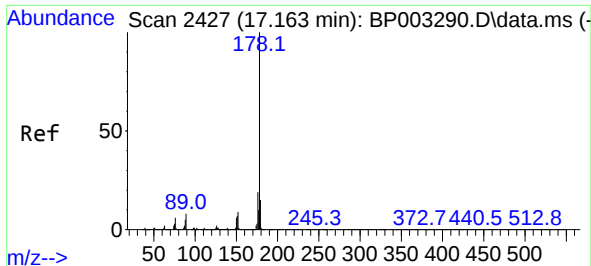


#71
Phenanthrene
Concen: 157.60 ng
RT: 17.016 min Scan# 2402
Delta R.T. 0.023 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17



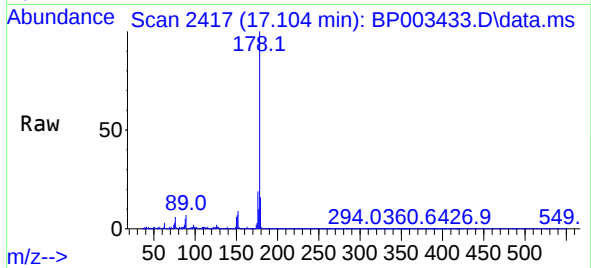
Tgt Ion:178 Resp: 4274981
Ion Ratio Lower Upper
178 100
176 20.1 15.3 22.9
179 16.0 12.5 18.7





#72
 Anthracene
 Concen: 48.94 ng
 RT: 17.104 min Scan# 2417
 Delta R.T. 0.023 min
 Lab File: BP003433.D
 Acq: 01 Oct 2020 02:17

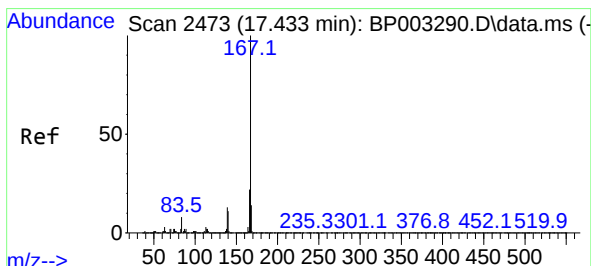
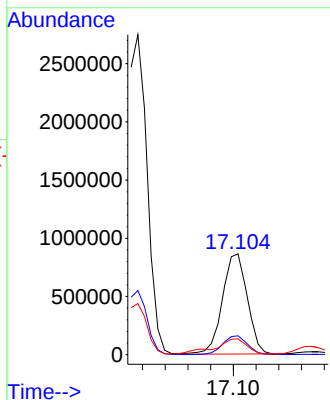
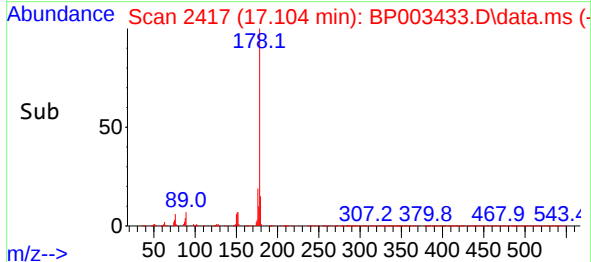
Instrument :
 BNA_P
 ClientSampled :
 B-13(11-13)



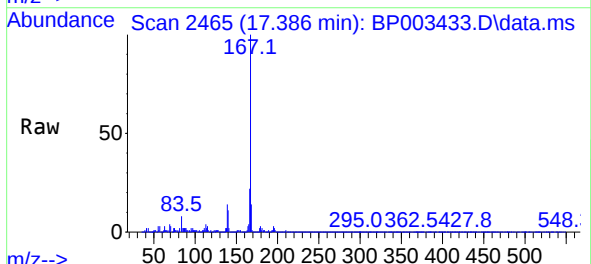
Tgt Ion:178 Resp: 1308359
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.4
 179 15.7 12.5 18.7

Manual Integrations
 APPROVED

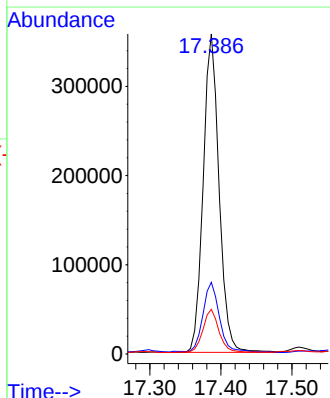
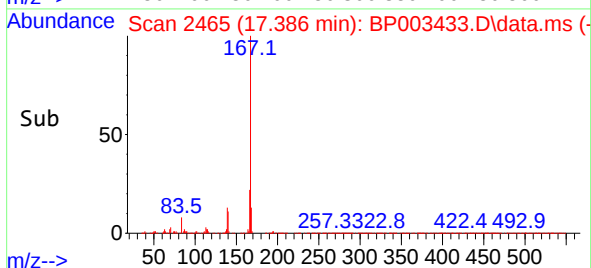
mohammad
 10/1/2020 1:34:13 PM

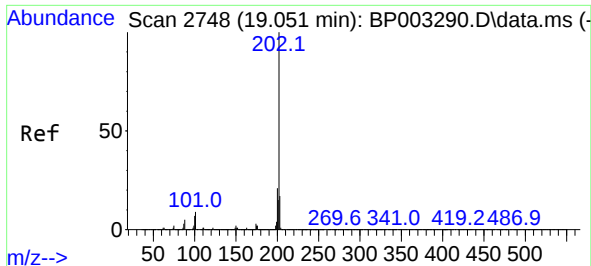


#73
 Carbazole
 Concen: 21.85 ng
 RT: 17.386 min Scan# 2465
 Delta R.T. 0.023 min
 Lab File: BP003433.D
 Acq: 01 Oct 2020 02:17



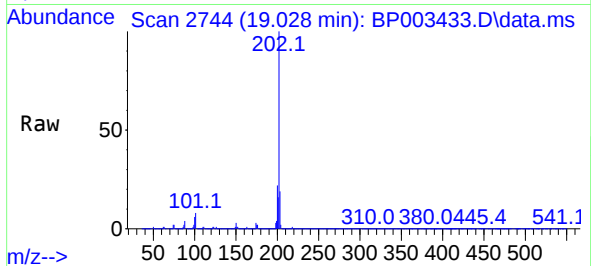
Tgt Ion:167 Resp: 554903
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 13.9 10.2 15.4





#75
Fluoranthene
Concen: 206.62 ng
RT: 19.028 min Scan# 2744
Delta R.T. 0.047 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Instrument :
BNA_P
ClientSampled :
B-13(11-13)

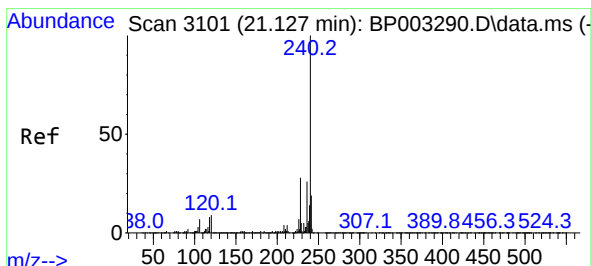
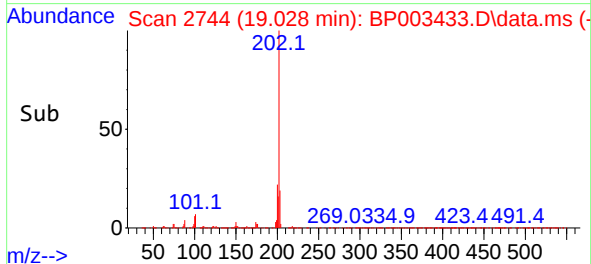
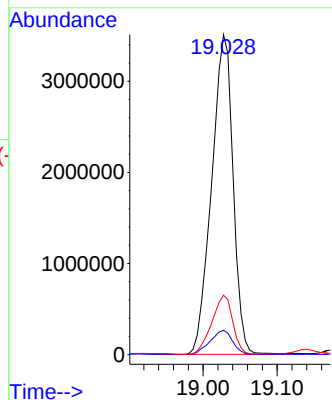


Tgt Ion:202 Resp: 7047494

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	29.4
203	18.6	0.0	37.8

Manual Integrations
APPROVED

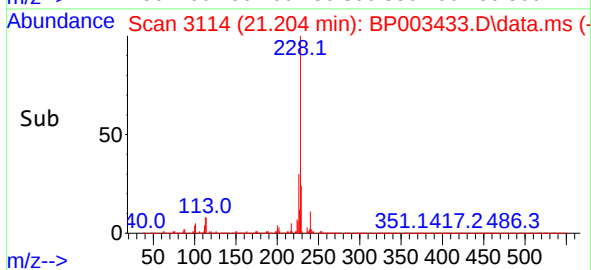
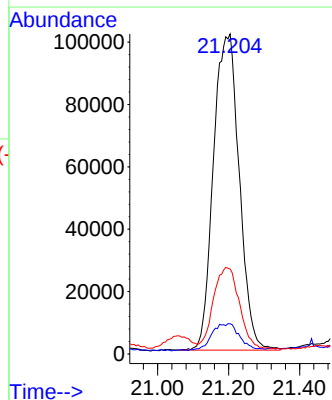
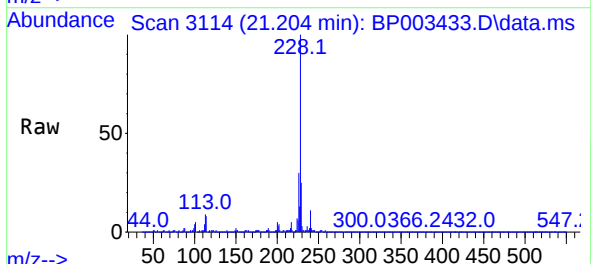
mohammad
10/1/2020 1:34:13 PM

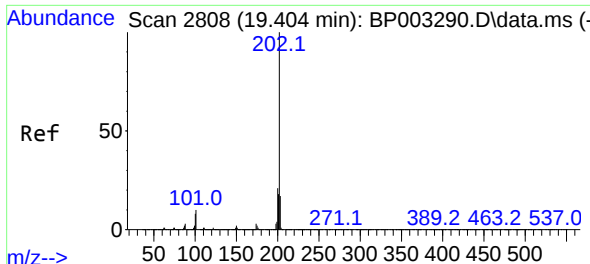


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.204 min Scan# 3114
Delta R.T. 0.141 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:240 Resp: 510786

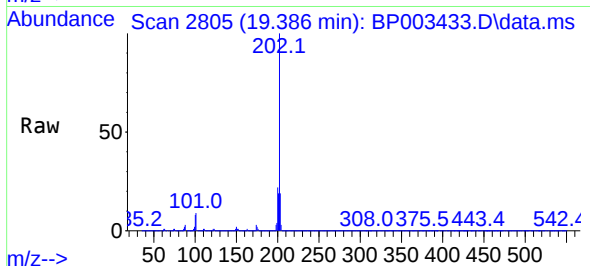
Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.8	11.6
236	26.6	20.8	31.2





#78
Pyrene
Concen: 183.96 ng
RT: 19.386 min Scan# 2805
Delta R.T. 0.053 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

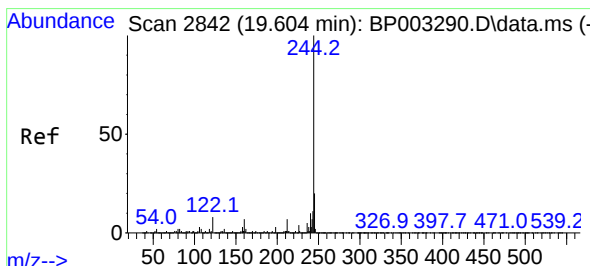
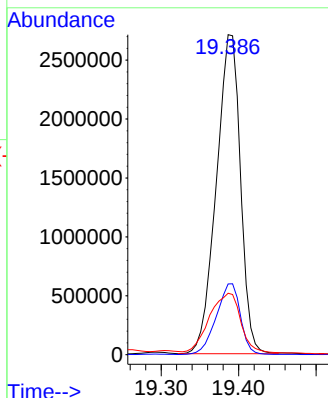
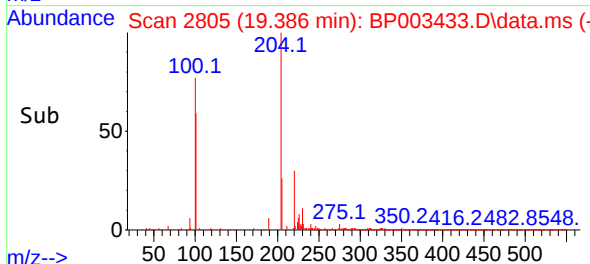
Instrument :
BNA_P
ClientSampleId :
B-13(11-13)



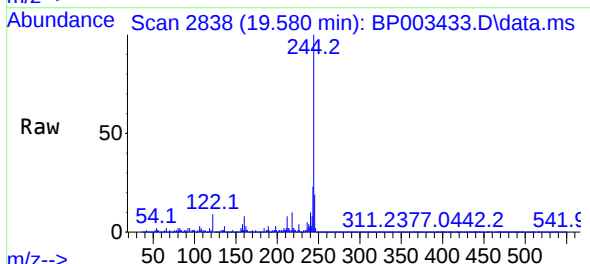
Tgt Ion:202 Resp: 5860032
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 19.2 14.2 21.2

Manual Integrations
APPROVED

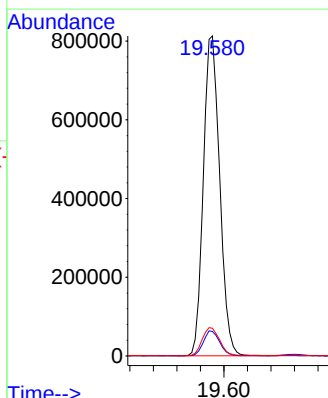
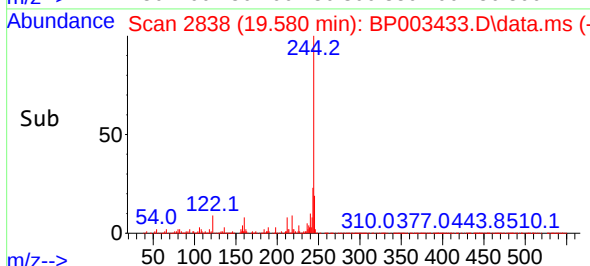
mohammad
10/1/2020 1:34:13 PM

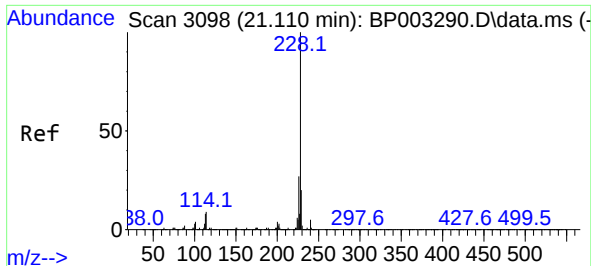


#79
Terphenyl-d14
Concen: 64.20 ng
RT: 19.580 min Scan# 2838
Delta R.T. 0.047 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17



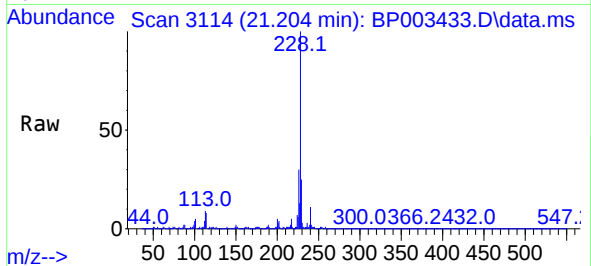
Tgt Ion:244 Resp: 1573849
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 8.6 7.8 11.8





#81
Benzo(a)anthracene
Concen: 213.03 ng
RT: 21.204 min Scan# 3114
Delta R.T. 0.159 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

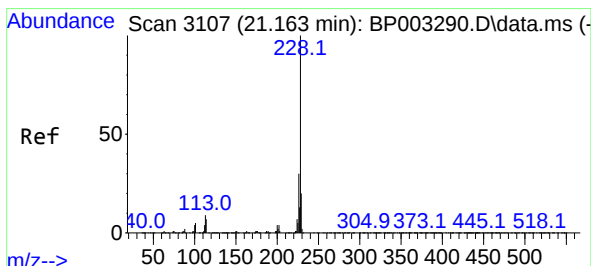
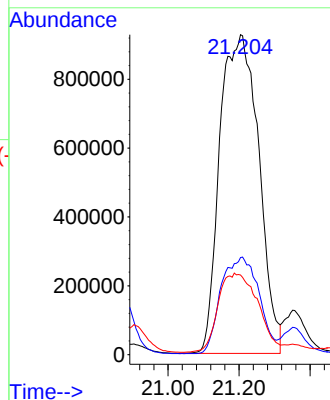
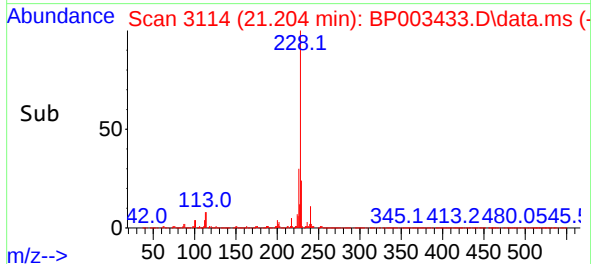
Instrument :
BNA_P
ClientSampled :
B-13(11-13)



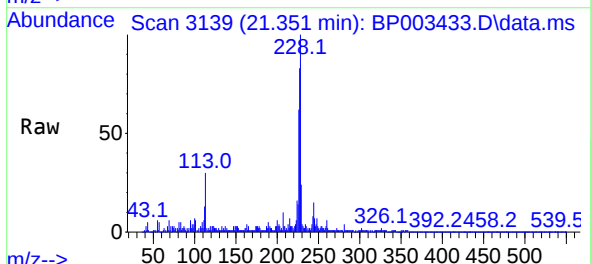
Tgt Ion:228 Resp: 7034086
Ion Ratio Lower Upper
228 100
226 30.3 22.1 33.1
229 24.9 15.9 23.9#

Manual Integrations
APPROVED

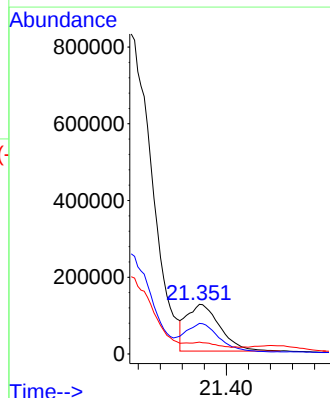
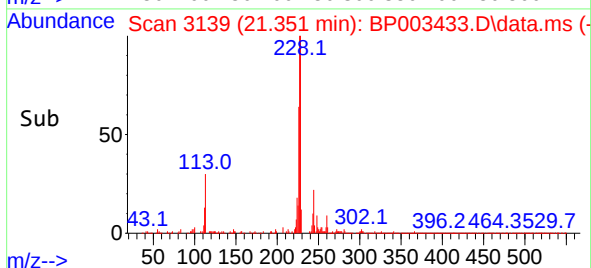
mohammad
10/1/2020 1:34:13 PM

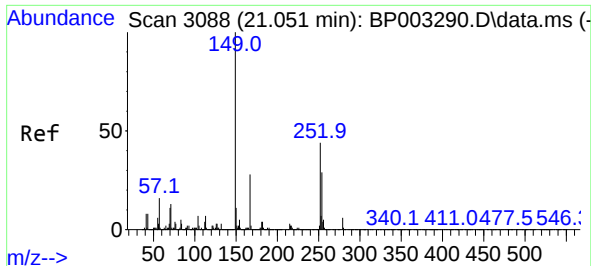


#83
Chrysene
Concen: 16.05 ng m
RT: 21.351 min Scan# 3139
Delta R.T. 0.253 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

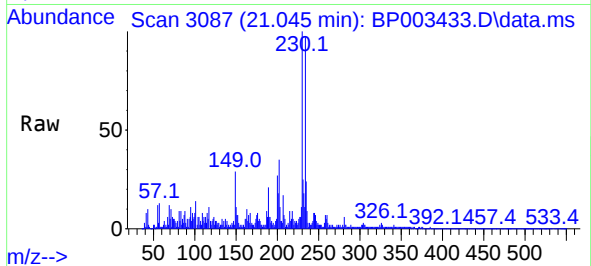


Tgt Ion:228 Resp: 509215
Ion Ratio Lower Upper
228 100
226 61.6 24.4 36.6#
229 23.8 15.8 23.6#

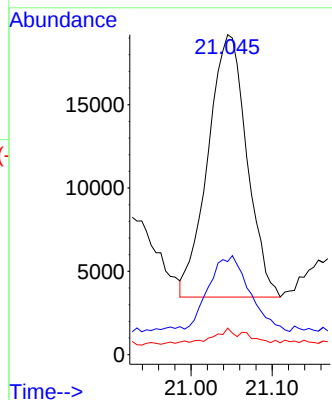




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.55 ng
RT: 21.045 min Scan# 3087
Delta R.T. 0.065 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17



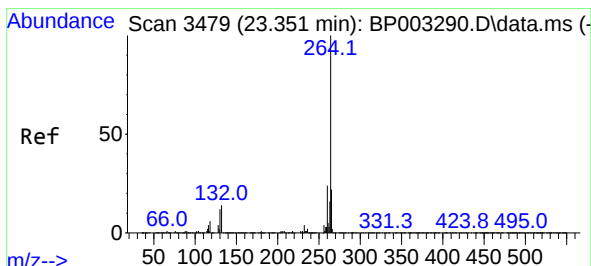
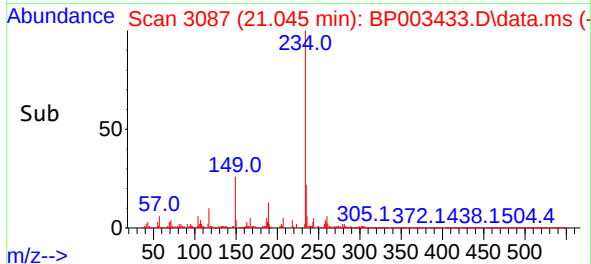
Tgt Ion:149 Resp: 52390
Ion Ratio Lower Upper
149 100
167 29.1 22.6 34.0
279 8.3 4.2 6.2#



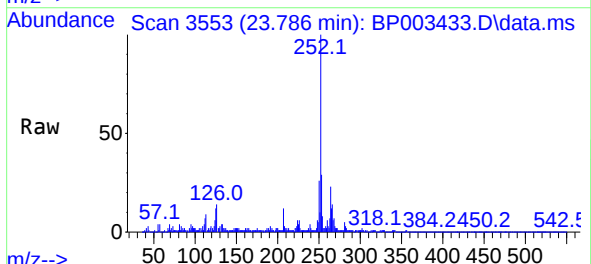
Instrument :
BNA_P
ClientSampled :
B-13(11-13)

Manual Integrations
APPROVED

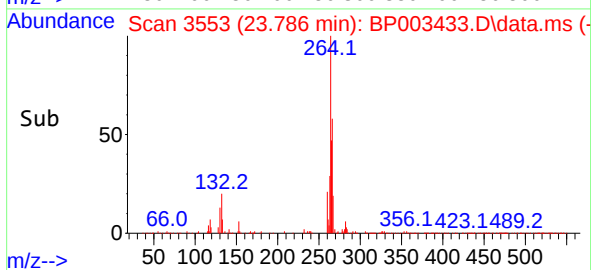
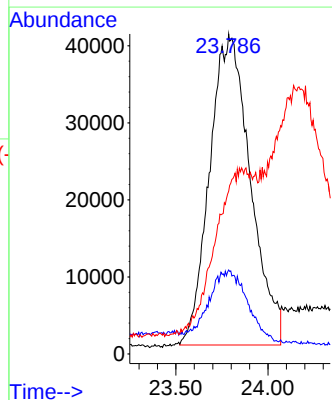
mohammad
10/1/2020 1:34:13 PM

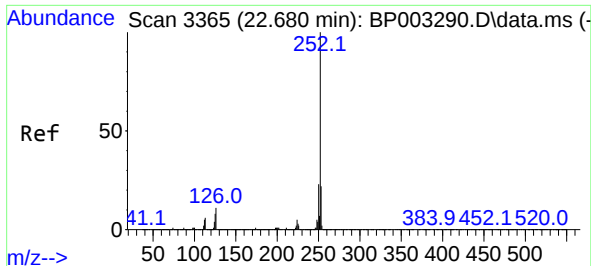


#86
Perylene-d12
Concen: 20.00 ng m
RT: 23.786 min Scan# 3553
Delta R.T. 0.529 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17



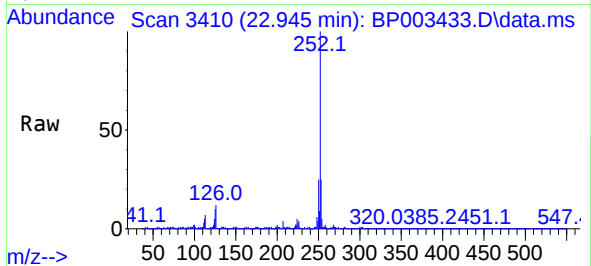
Tgt Ion:264 Resp: 620830
Ion Ratio Lower Upper
264 100
260 26.3 18.8 28.2
265 50.9 17.4 26.2#





#88
Benzo(b)fluoranthene
Concen: 174.74 ng m
RT: 22.945 min Scan# 3410
Delta R.T. 0.353 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

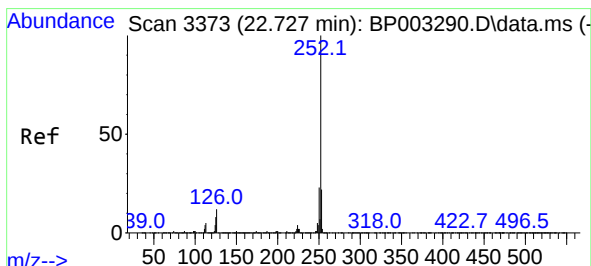
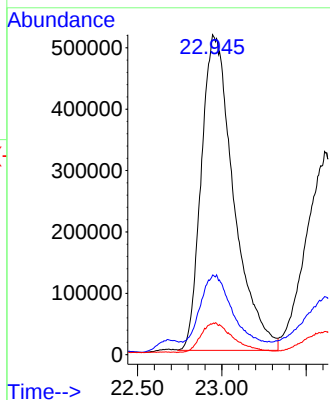
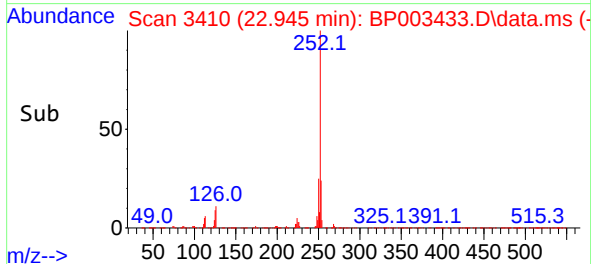
Instrument :
BNA_P
ClientSampled :
B-13(11-13)



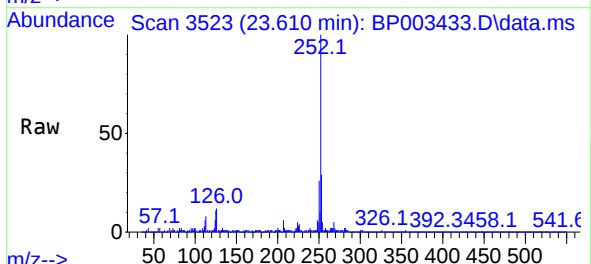
Tgt Ion:252 Resp: 6850472
Ion Ratio Lower Upper
252 100
253 24.9 17.6 26.4
125 9.7 7.3 10.9

Manual Integrations
APPROVED

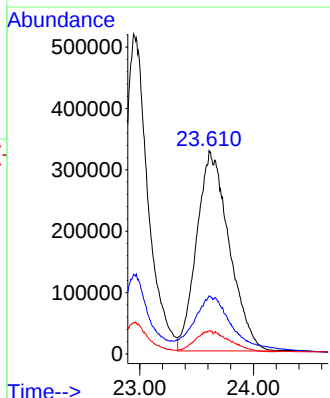
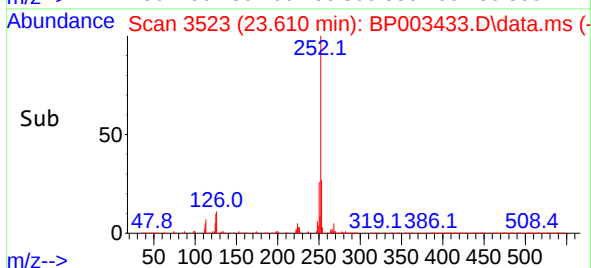
mohammad
10/1/2020 1:34:13 PM

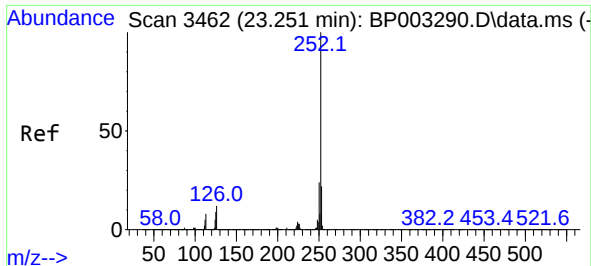


#89
Benzo(k)fluoranthene
Concen: 172.17 ng m
RT: 23.610 min Scan# 3523
Delta R.T. 0.965 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17



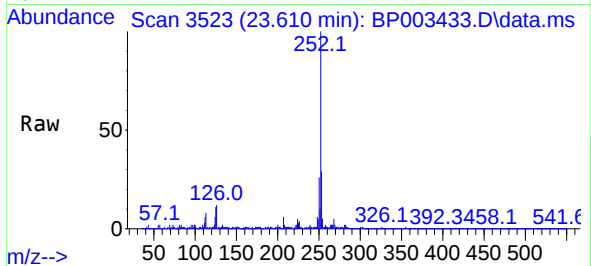
Tgt Ion:252 Resp: 6469026
Ion Ratio Lower Upper
252 100
253 28.6 17.8 26.8#
125 11.5 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 176.77 ng m
RT: 23.610 min Scan# 3523
Delta R.T. 0.447 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

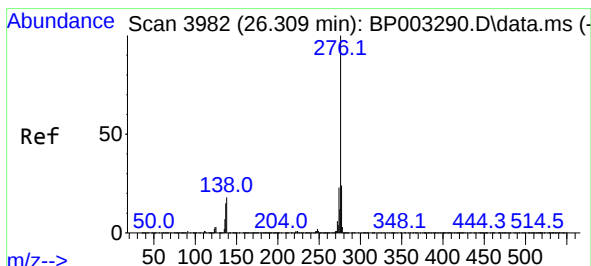
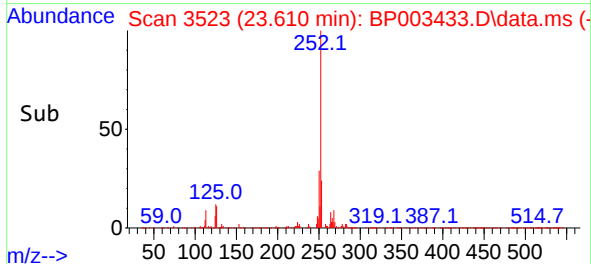
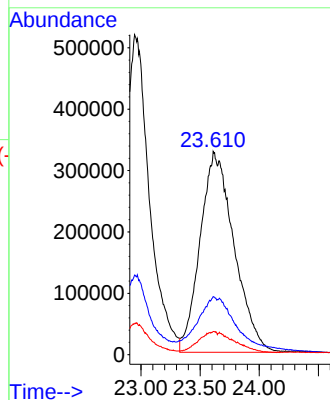
Instrument :
BNA_P
ClientSampled :
B-13(11-13)



Tgt Ion:252 Resp: 6534723
Ion Ratio Lower Upper
252 100
253 28.6 17.4 26.0#
125 11.5 8.2 12.4

Manual Integrations
APPROVED

mohammad
10/1/2020 1:34:13 PM



#92
Benzo(g,h,i)perylene
Concen: 74.50 ng m
RT: 26.574 min Scan# 4027
Delta R.T. 0.376 min
Lab File: BP003433.D
Acq: 01 Oct 2020 02:17

Tgt Ion:276 Resp: 2887930
Ion Ratio Lower Upper
276 100
277 30.6 19.0 28.6#
138 20.9 16.6 24.8

