

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
 Data File : BP003427.D
 Acq On : 30 Sep 2020 22:53
 Operator : CG/JU
 Sample : L4172-04DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-6(11-13)DL

Manual Integrations
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Quant Time: Oct 01 02:18:38 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	118579	20.00	ng	0.00
21) Naphthalene-d8	10.316	136	502494	20.00	ng	# 0.00
39) Acenaphthene-d10	14.198	164	322729	20.00	ng	0.00
64) Phenanthrene-d10	16.963	188	698246	20.00	ng	# 0.02
76) Chrysene-d12	21.145	240	605972	20.00	ng	0.08
86) Perylene-d12	23.586	264	615531m	20.00	ng	0.33
System Monitoring Compounds						
5) 2-Fluorophenol	5.158	112	276845	40.77	ng	0.00
7) Phenol-d6	6.746	99	377117	41.66	ng	0.00
23) Nitrobenzene-d5	8.693	82	226772	26.51	ng	0.00
42) 2,4,6-Tribromophenol	15.710	330	152547	30.99	ng	0.02
45) 2-Fluorobiphenyl	12.810	172	514675	23.32	ng	0.00
79) Terphenyl-d14	19.563	244	661660	22.75	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	10.369	128	222507	8.38	ng	99
37) 2-Methylnaphthalene	11.998	142	45748	2.38	ng	97
49) Acenaphthylene	13.916	152	116667	3.83	ng	99
50) Dimethylphthalate	13.657	163	95746	3.72	ng	98
52) Acenaphthene	14.257	154	76207	4.11	ng	98
55) Dibenzofuran	14.598	168	111412	3.77	ng	95
58) Fluorene	15.251	166	139004	5.95	ng	98
71) Phenanthrene	17.004	178	1445981	38.06	ng	99
72) Anthracene	17.098	178	408003	10.90	ng	100
73) Carbazole	17.381	167	168737	4.74	ng	98
75) Fluoranthene	19.010	202	1966781	41.17	ng	99
78) Pyrene	19.363	202	1659907	43.92	ng	99
81) Benzo(a)anthracene	21.127	228	917910	23.43	ng	# 92
83) Chrysene	21.180	228	616782m	16.39	ng	
87) Indeno(1,2,3-cd)pyrene	26.315	276	536695m	11.50	ng	
88) Benzo(b)fluoranthene	22.839	252	1341887	34.52	ng	# 95
89) Benzo(k)fluoranthene	23.457	252	1266614m	34.00	ng	
90) Benzo(a)pyrene	23.457	252	1174971	32.06	ng	# 84
91) Dibenzo(a,h)anthracene	26.492	278	469801m	12.20	ng	
92) Benzo(g,h,i)perylene	26.315	276	540817m	14.07	ng	

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

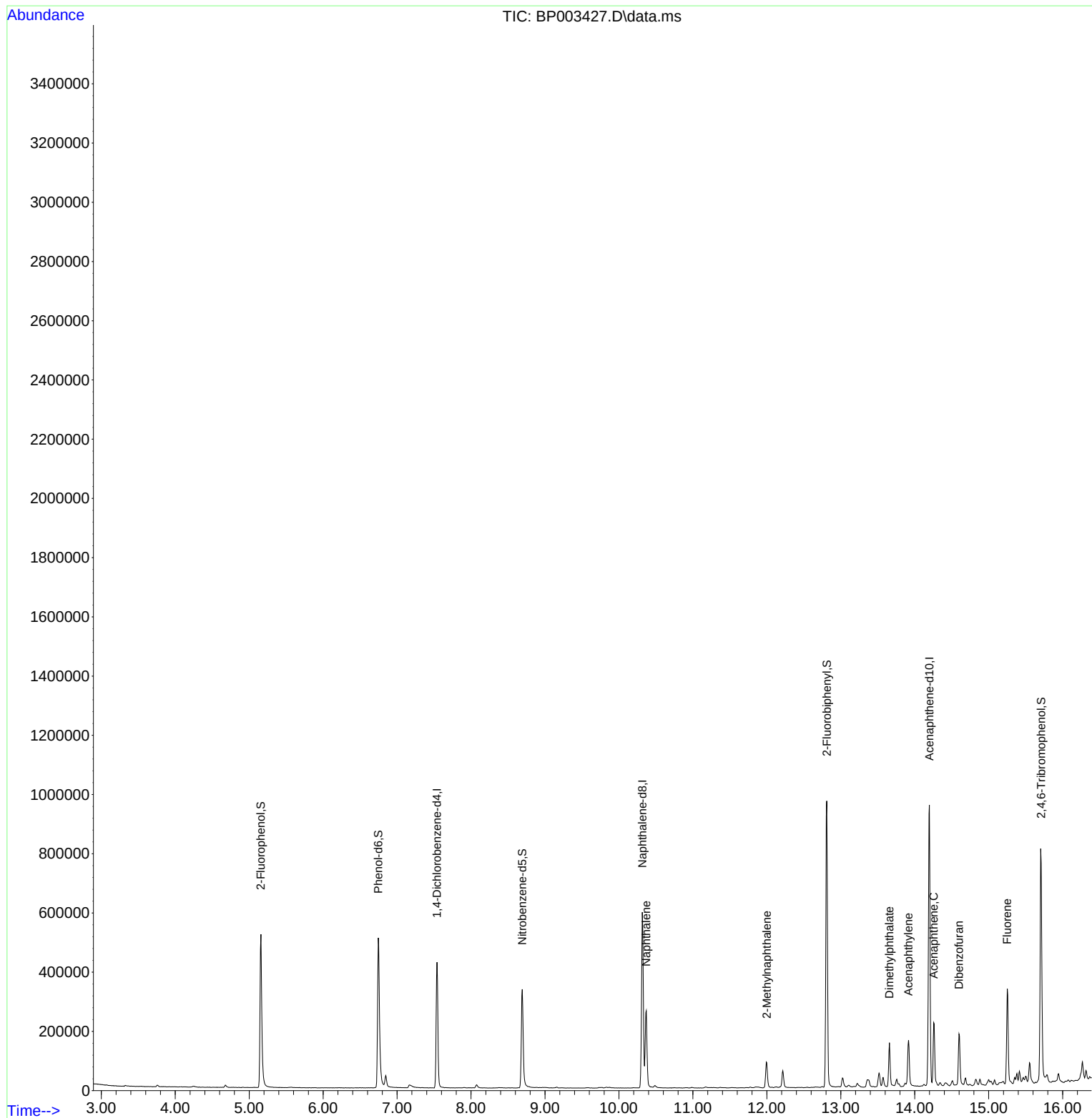
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003427.D
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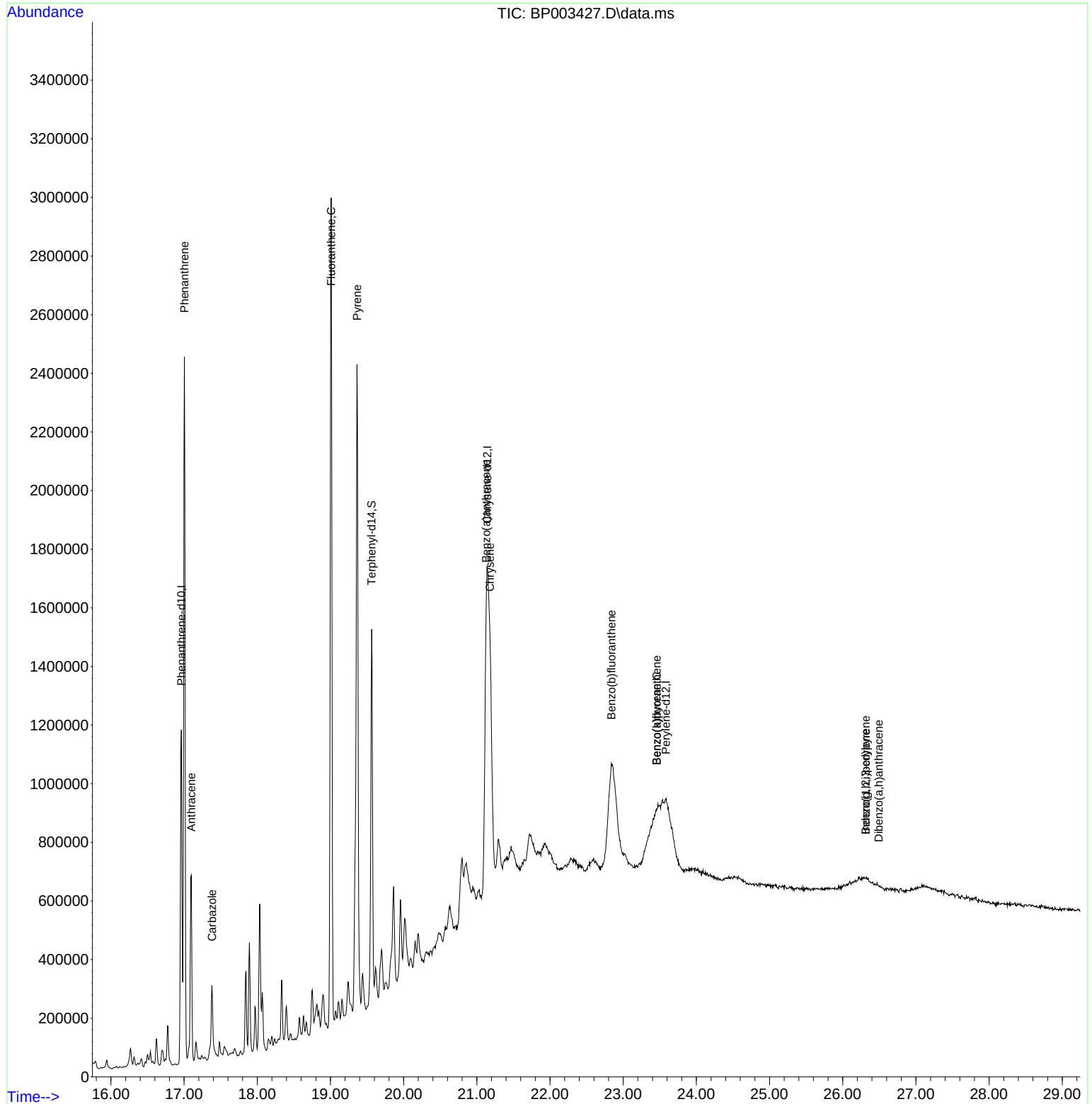
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Data File : BP003427.D
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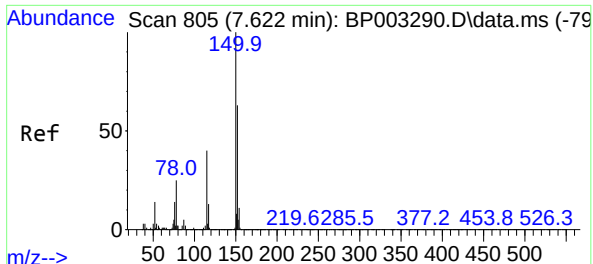
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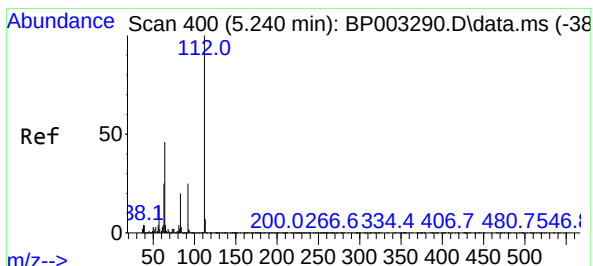
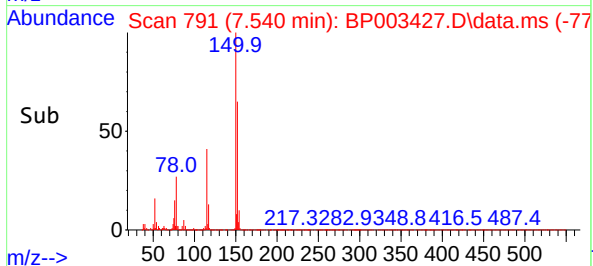
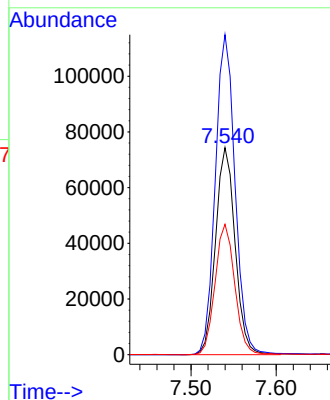
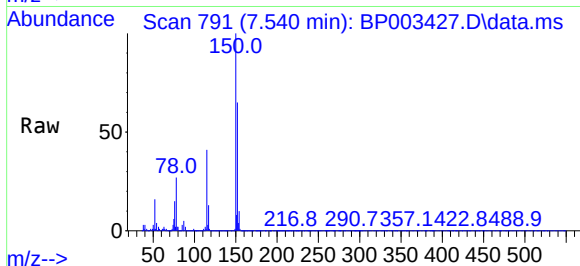
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.540 min Scan# 791
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:152 Resp: 118579
Ion Ratio Lower Upper
152 100
150 154.6 123.8 185.6
115 63.0 43.8 65.6

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)DL

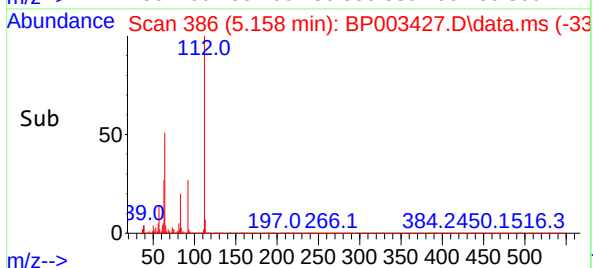
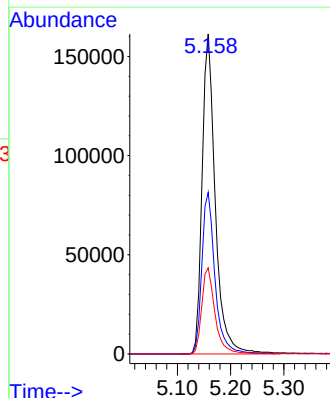
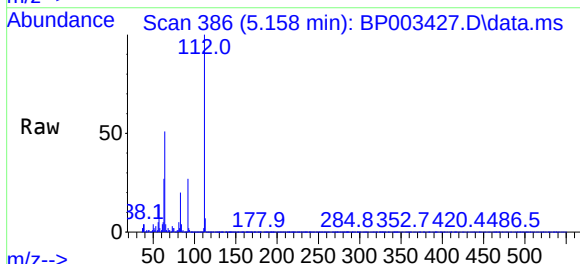
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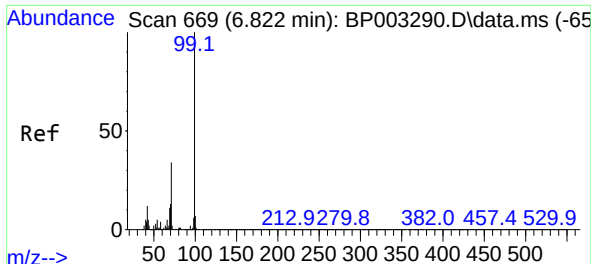
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#5
2-Fluorophenol
Concen: 40.77 ng
RT: 5.158 min Scan# 386
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

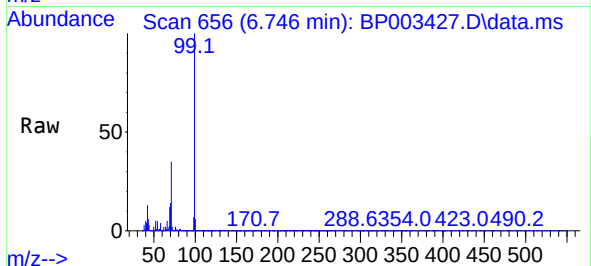
Tgt Ion:112 Resp: 276845
Ion Ratio Lower Upper
112 100
64 50.5 32.8 49.2#
63 26.9 17.0 25.4#





#7
Phenol-d6
Concen: 41.66 ng
RT: 6.746 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

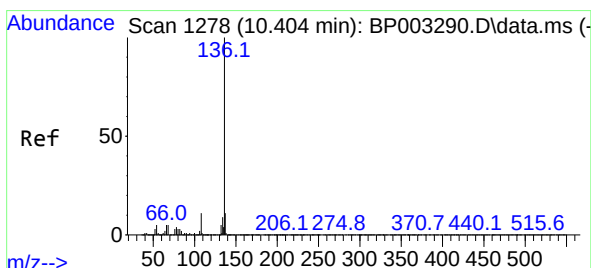
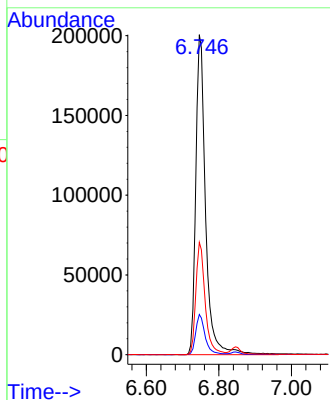
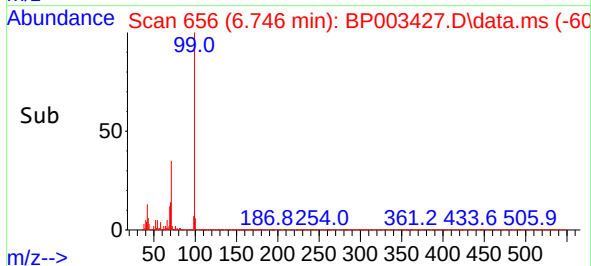
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)DL



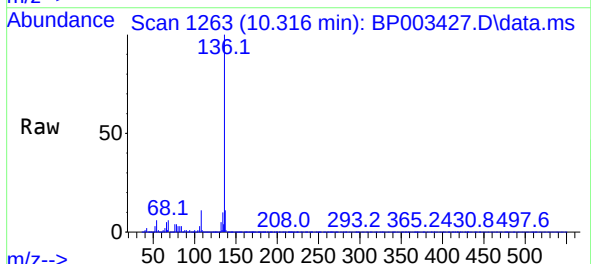
Tgt Ion: 99 Resp: 377117
Ion Ratio Lower Upper
99 100
42 12.5 8.6 13.0
71 35.1 23.4 35.2

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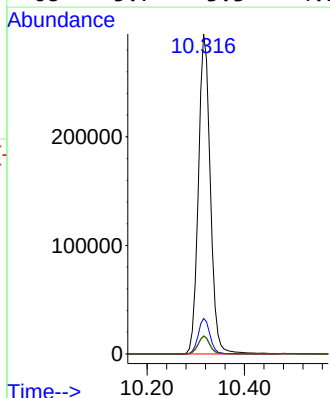
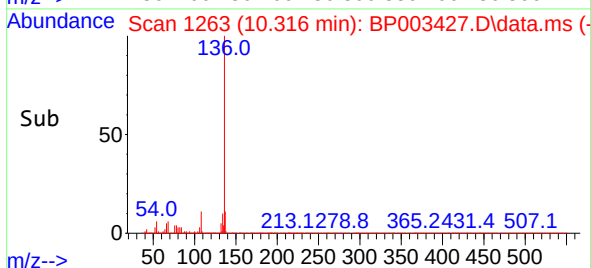
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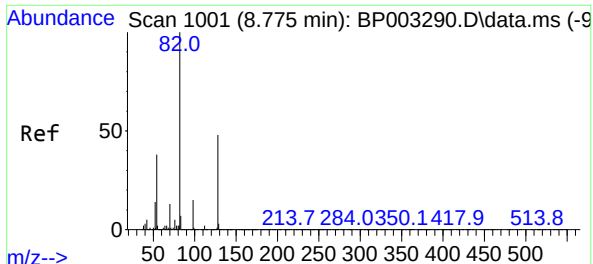


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.316 min Scan# 1263
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53



Tgt Ion: 136 Resp: 502494
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.6 3.6 5.4#
68 5.7 3.3 4.9#





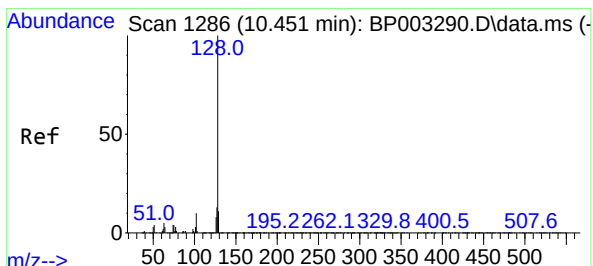
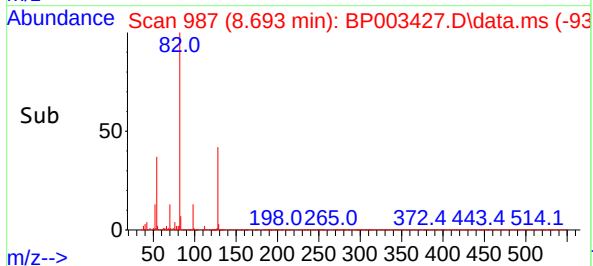
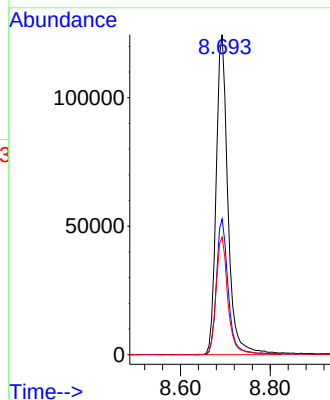
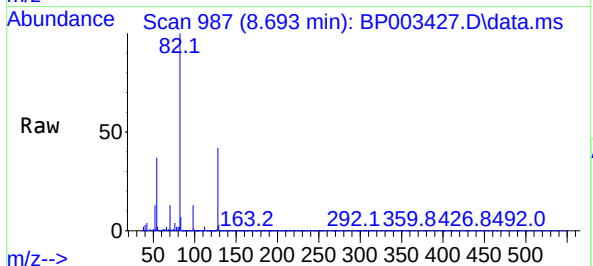
#23
Nitrobenzene-d5
Concen: 26.51 ng
RT: 8.693 min Scan# 987
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion: 82 Resp: 226772
Ion Ratio Lower Upper
82 100
128 42.5 45.6 68.4#
54 36.8 30.1 45.1

Instrument :
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ClientSampleId :
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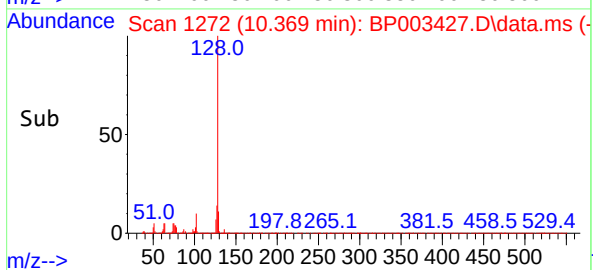
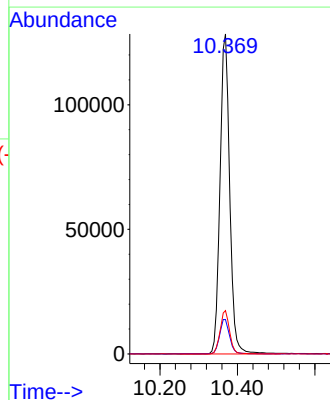
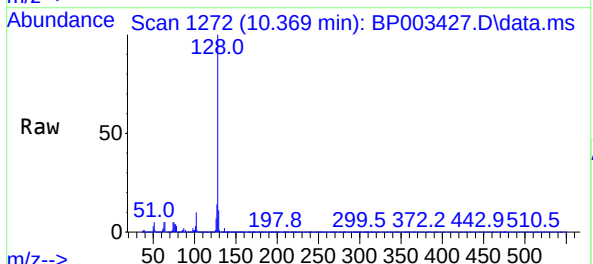
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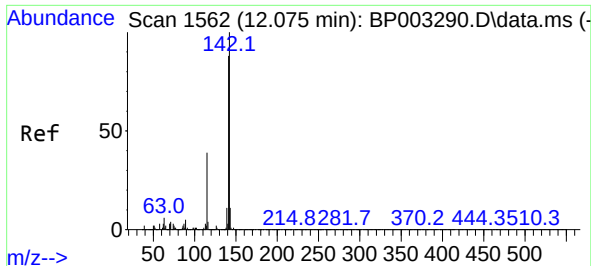
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#31
Naphthalene
Concen: 8.38 ng
RT: 10.369 min Scan# 1272
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

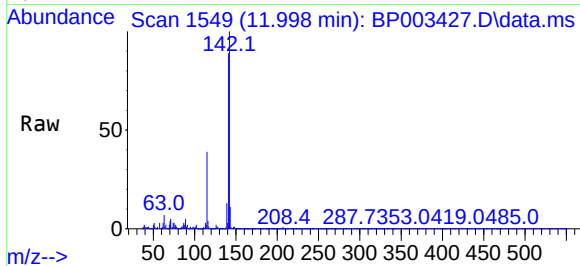
Tgt Ion: 128 Resp: 222507
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.6 10.6 15.8





#37
2-Methylnaphthalene
Concen: 2.38 ng
RT: 11.998 min Scan# 1549
Delta R.T. 0.012 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

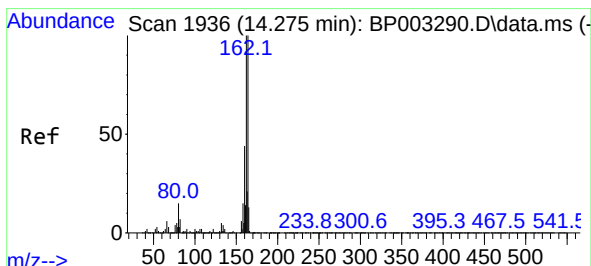
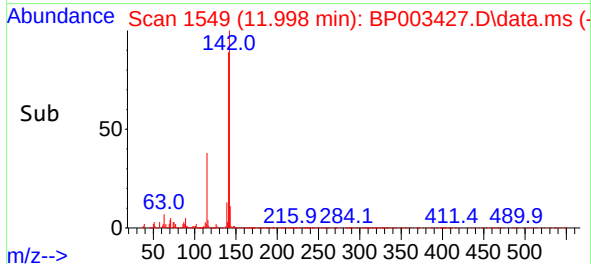
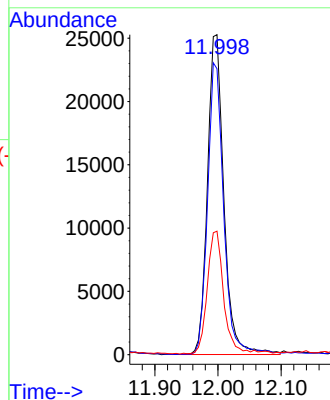
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)DL



Tgt Ion:142 Resp: 45748
Ion Ratio Lower Upper
142 100
141 89.3 71.4 107.2
115 38.6 25.8 38.6

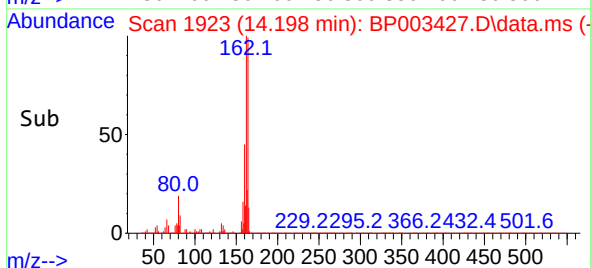
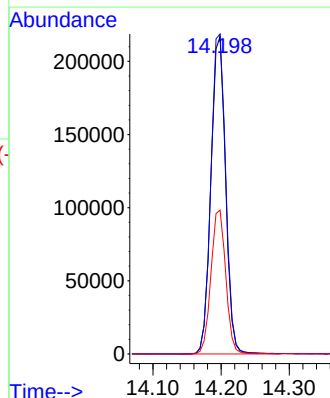
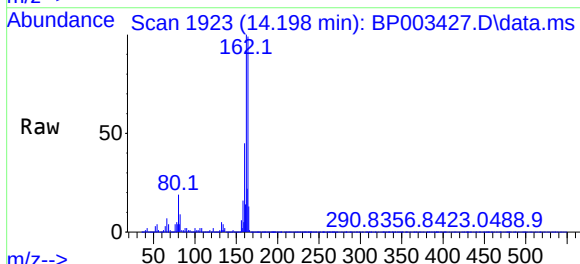
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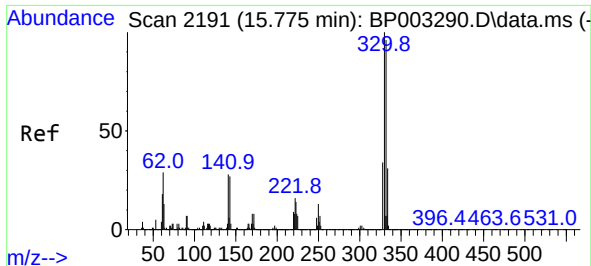
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.198 min Scan# 1923
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

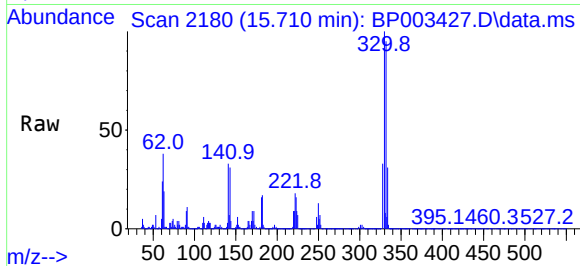
Tgt Ion:164 Resp: 322729
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.2
160 45.3 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 30.99 ng
RT: 15.710 min Scan# 2180
Delta R.T. 0.018 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

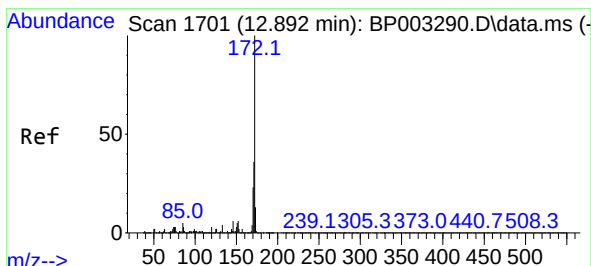
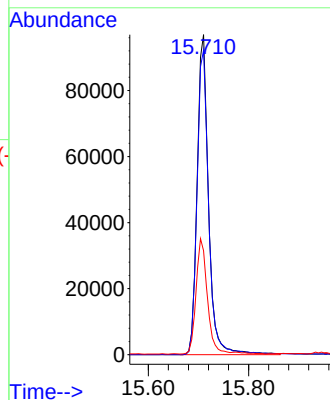
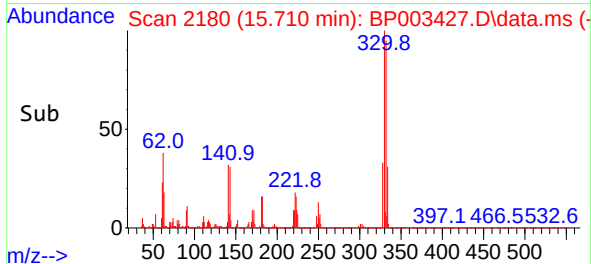
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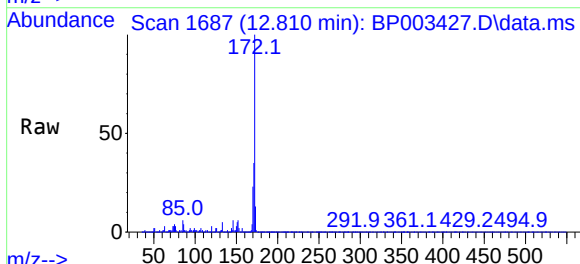
Tgt Ion:330 Resp: 152547
Ion Ratio Lower Upper
330 100
332 97.8 77.1 115.7
141 35.5 23.4 35.2#

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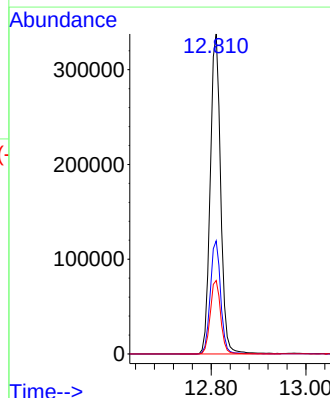
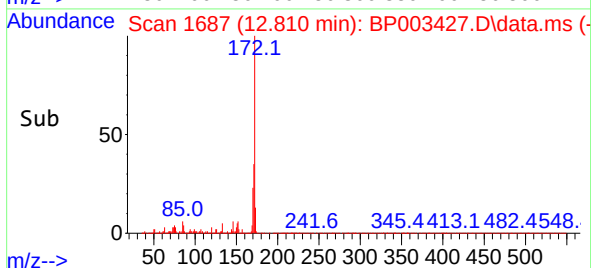
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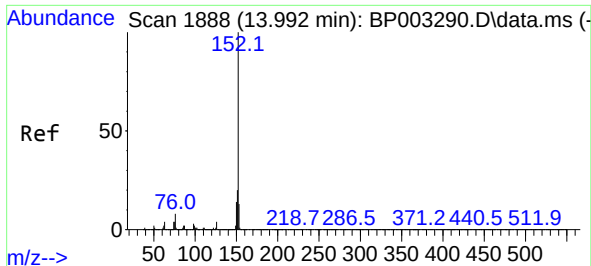


#45
2-Fluorobiphenyl
Concen: 23.32 ng
RT: 12.810 min Scan# 1687
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53



Tgt Ion:172 Resp: 514675
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 22.9 19.2 28.8





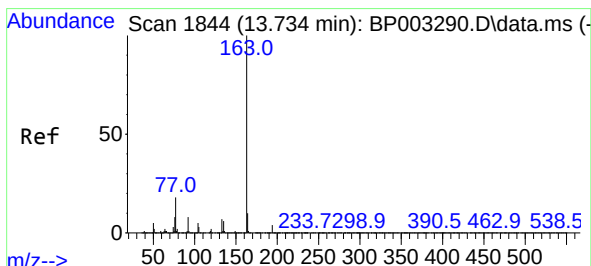
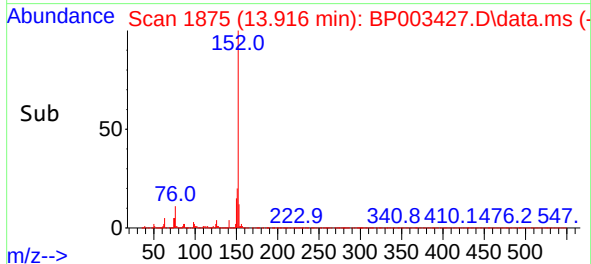
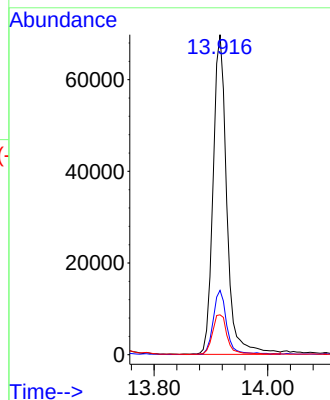
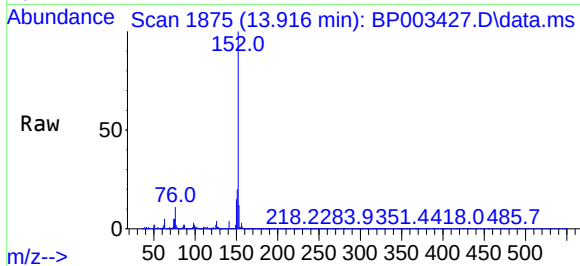
#49
Acenaphthylene
Concen: 3.83 ng
RT: 13.916 min Scan# 1875
Delta R.T. 0.006 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:	152	Resp:	116667
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.9	23.9
153	12.4	10.5	15.7

Instrument :
BNA_P
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B-6(11-13)DL

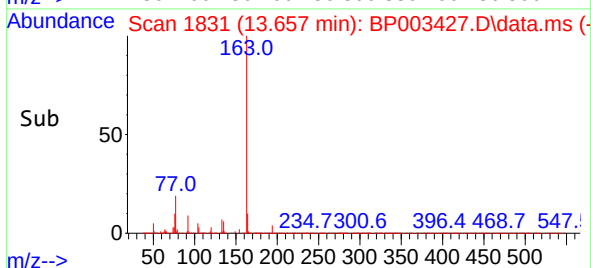
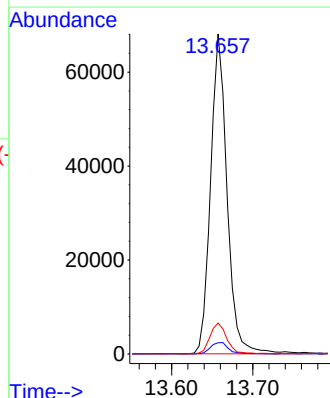
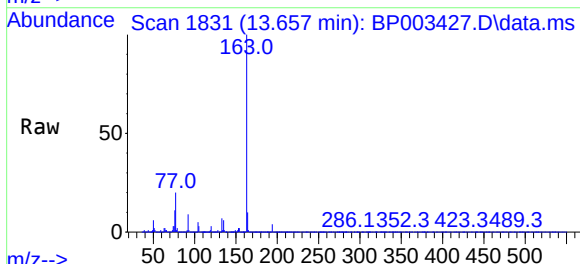
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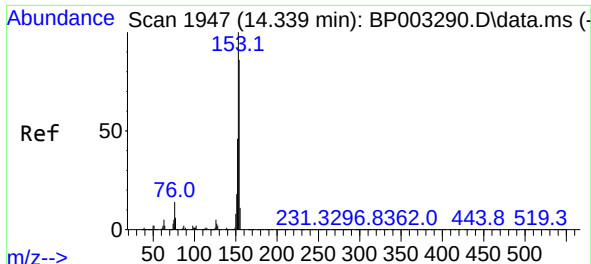
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#50
Dimethylphthalate
Concen: 3.72 ng
RT: 13.657 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:	163	Resp:	95746
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.3	4.9
164	9.7	8.2	12.2





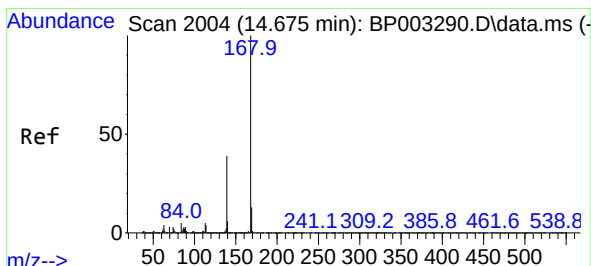
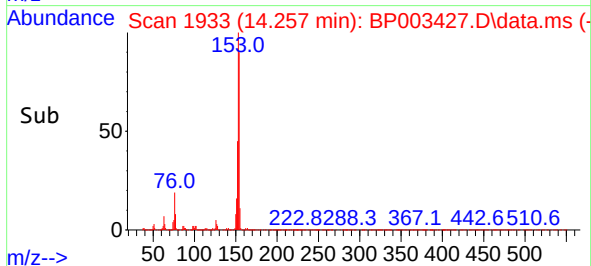
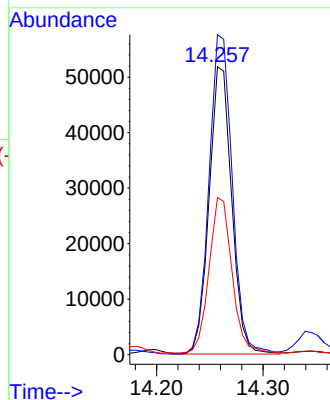
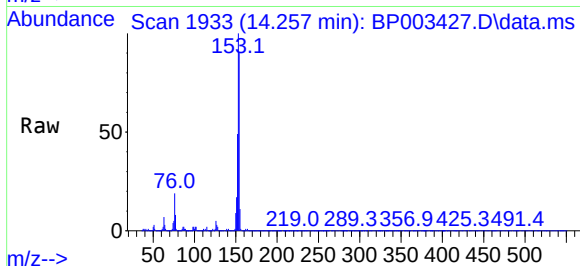
#52
Acenaphthene
Concen: 4.11 ng
RT: 14.257 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:	154	Resp:	76207
Ion Ratio	Lower	Upper	
154	100		
153	111.1	91.0	136.6
152	54.5	43.0	64.6

Instrument :
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ClientSampled :
B-6(11-13)DL

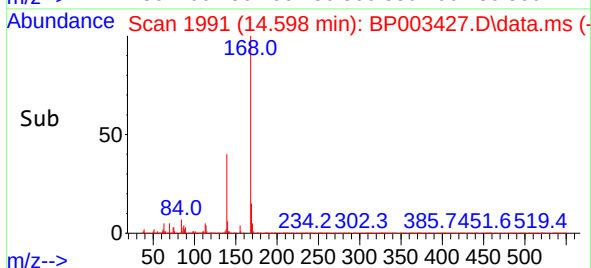
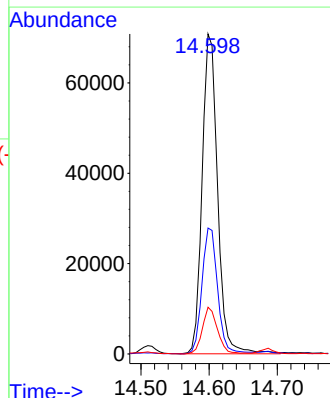
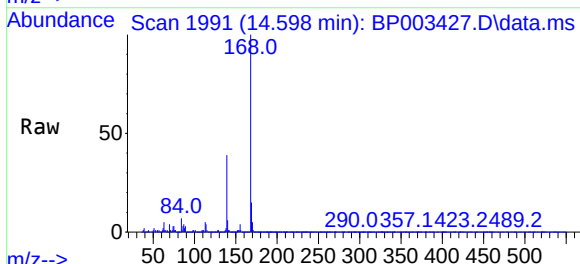
Manual Integrations
APPROVED

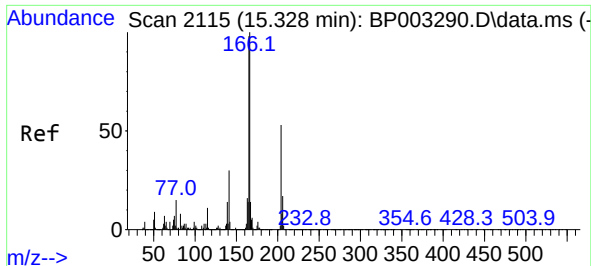
mohammad
10/1/2020 1:33:51 PM



#55
Dibenzofuran
Concen: 3.77 ng
RT: 14.598 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

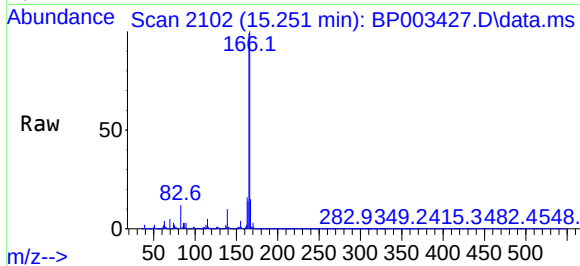
Tgt Ion:	168	Resp:	111412
Ion Ratio	Lower	Upper	
168	100		
139	39.4	29.1	43.7
169	14.6	10.4	15.6





#58
Fluorene
Concen: 5.95 ng
RT: 15.251 min Scan# 2102
Delta R.T. -0.000 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

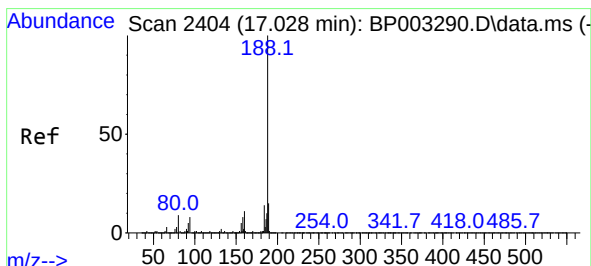
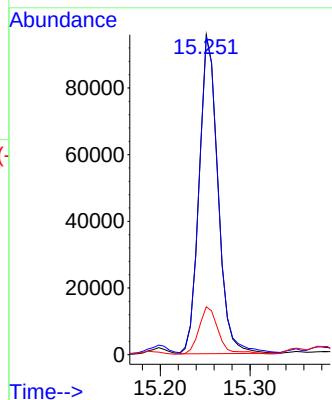
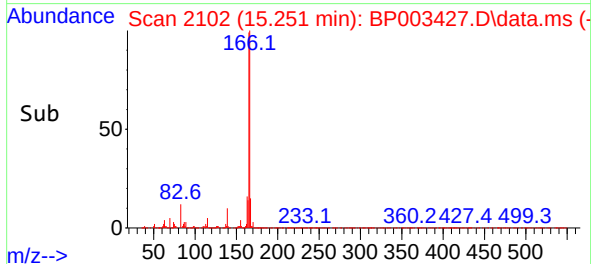
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)DL



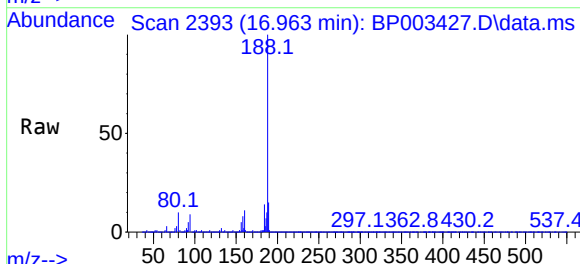
Tgt Ion:166 Resp: 139004
Ion Ratio Lower Upper
166 100
165 99.2 77.8 116.8
167 15.0 11.0 16.4

Manual Integrations
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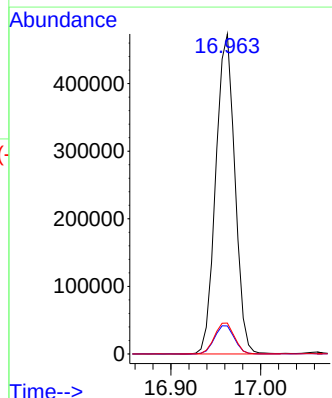
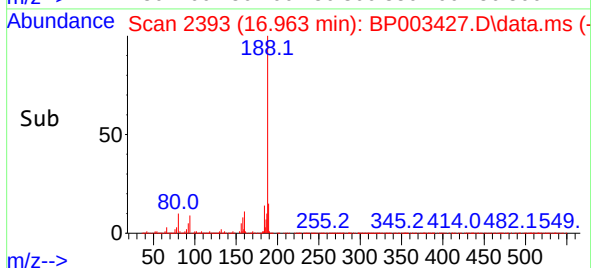
mohammad
10/1/2020 1:33:51 PM

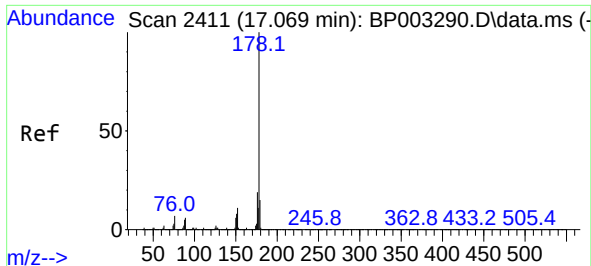


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.963 min Scan# 2393
Delta R.T. 0.018 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53



Tgt Ion:188 Resp: 698246
Ion Ratio Lower Upper
188 100
94 8.7 6.2 9.2
80 9.7 6.2 9.2#





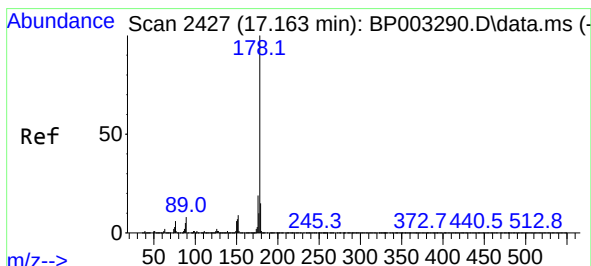
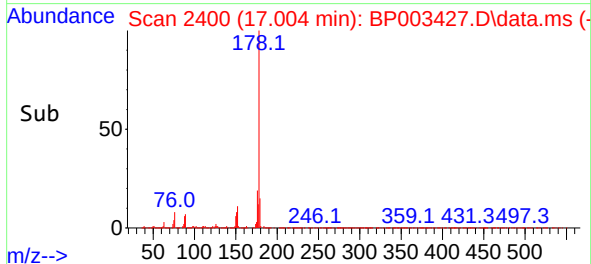
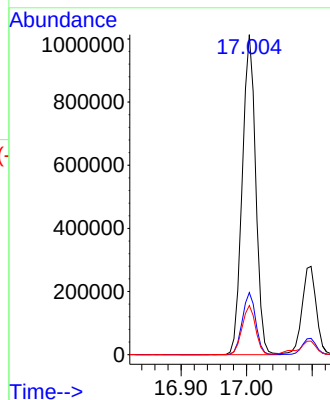
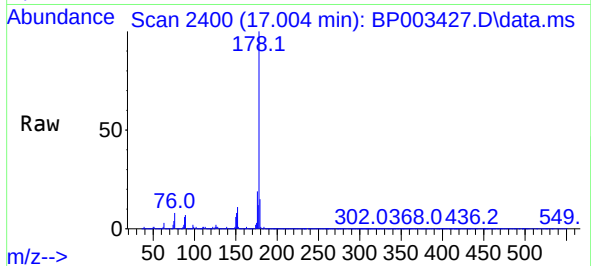
#71
Phenanthrene
Concen: 38.06 ng
RT: 17.004 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:178 Resp: 1445981
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.4 12.5 18.7

Instrument :
BNA_P
ClientSampled :
B-6(11-13)DL

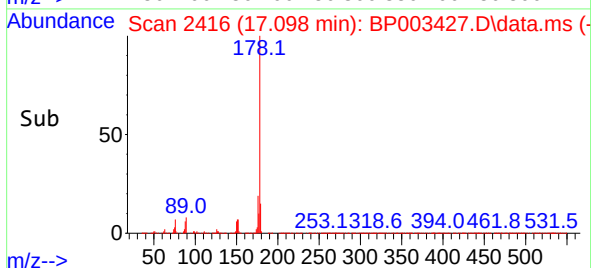
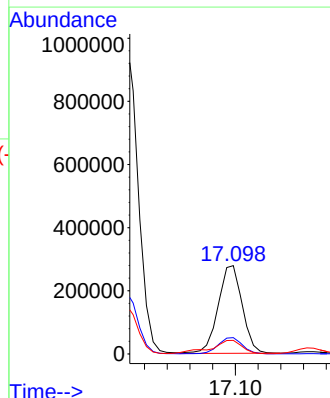
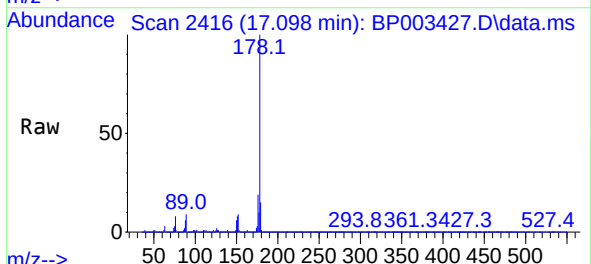
Manual Integrations
APPROVED

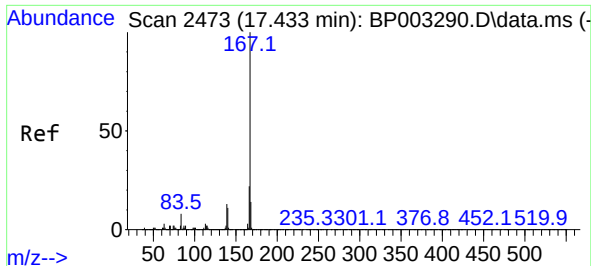
mohammad
10/1/2020 1:33:51 PM



#72
Anthracene
Concen: 10.90 ng
RT: 17.098 min Scan# 2416
Delta R.T. 0.018 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

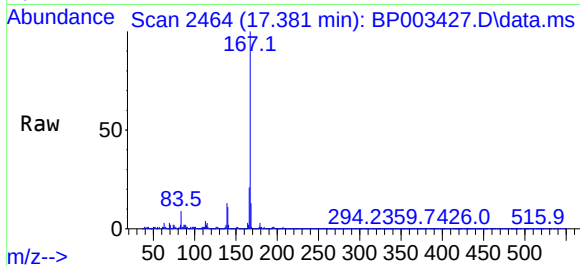
Tgt Ion:178 Resp: 408003
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.3 12.5 18.7





#73
 Carbazole
 Concen: 4.74 ng
 RT: 17.381 min Scan# 2464
 Delta R.T. 0.018 min
 Lab File: BP003427.D
 Acq: 30 Sep 2020 22:53

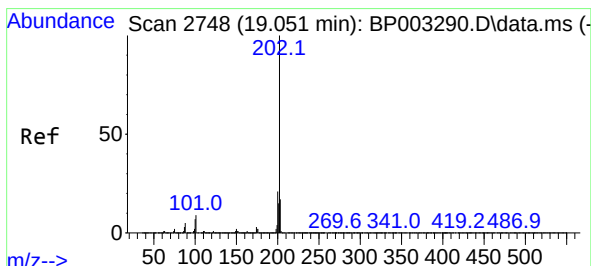
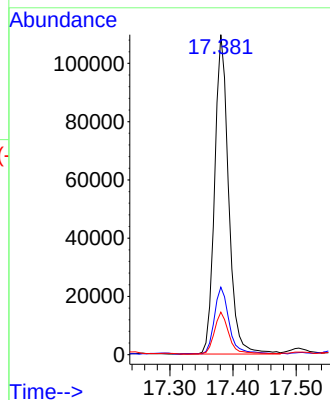
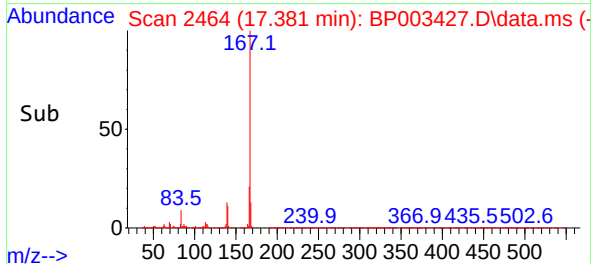
Instrument :
 BNA_P
 ClientSampleId :
 B-6(11-13)DL



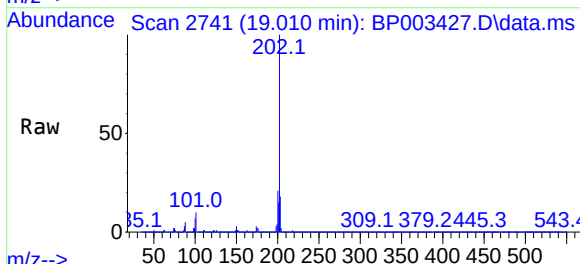
Tgt Ion:167 Resp: 168737
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 13.3 10.2 15.4

Manual Integrations
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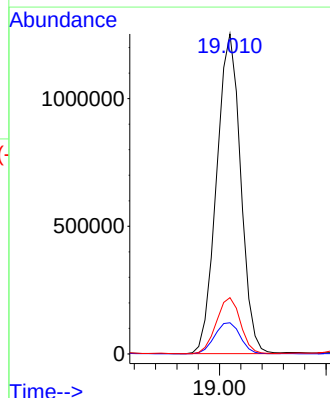
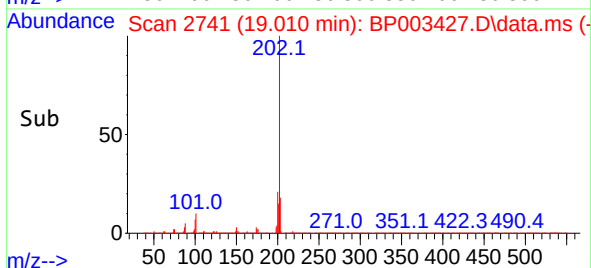
mohammad
 10/1/2020 1:33:51 PM

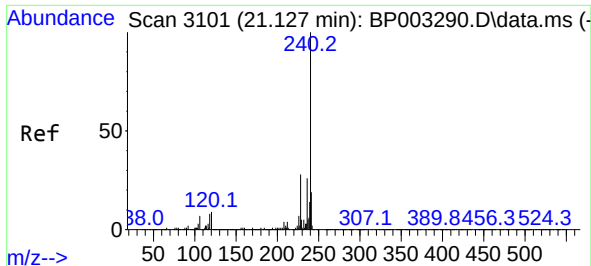


#75
 Fluoranthene
 Concen: 41.17 ng
 RT: 19.010 min Scan# 2741
 Delta R.T. 0.029 min
 Lab File: BP003427.D
 Acq: 30 Sep 2020 22:53



Tgt Ion:202 Resp: 1966781
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 29.4
 203 17.6 0.0 37.8





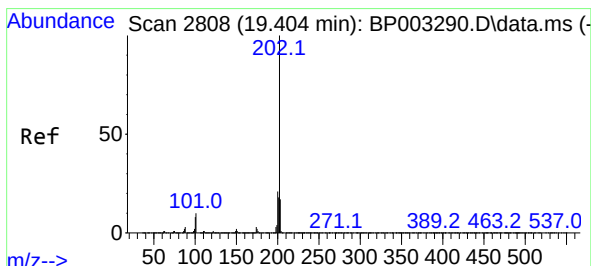
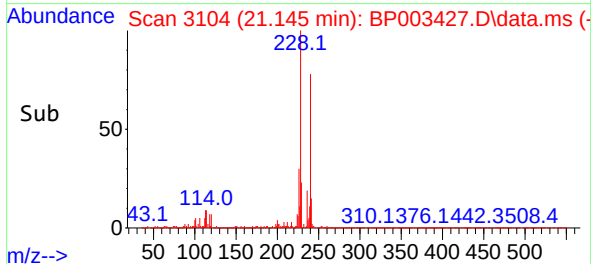
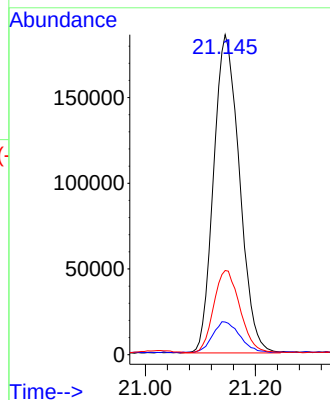
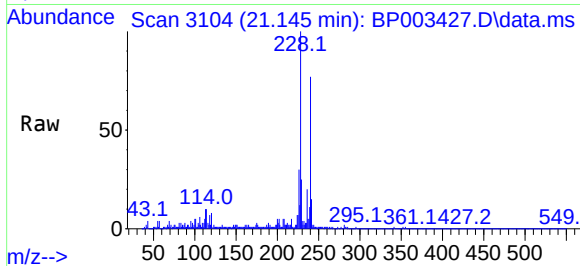
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.145 min Scan# 3104
Delta R.T. 0.082 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:240 Resp: 605972
Ion Ratio Lower Upper
240 100
120 10.2 7.8 11.6
236 26.3 20.8 31.2

Instrument :
BNA_P
ClientSampled :
B-6(11-13)DL

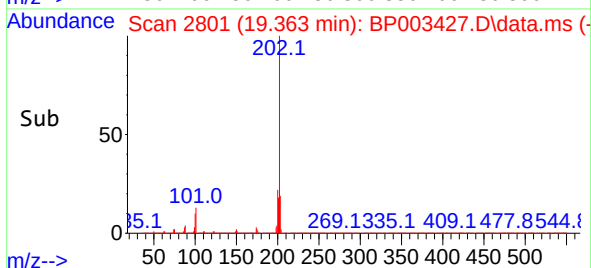
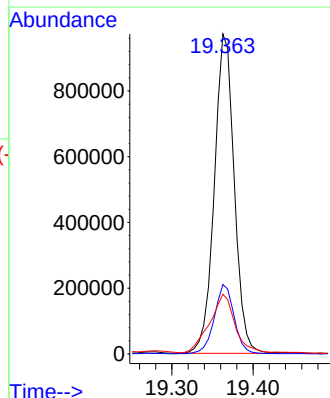
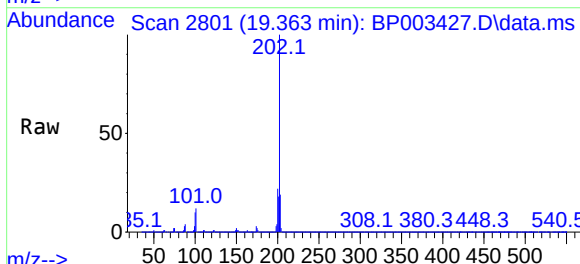
Manual Integrations
APPROVED

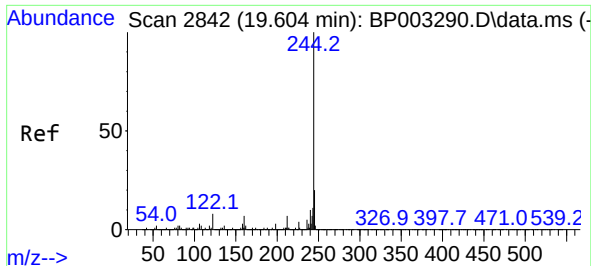
mohammad
10/1/2020 1:33:51 PM



#78
Pyrene
Concen: 43.92 ng
RT: 19.363 min Scan# 2801
Delta R.T. 0.029 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:202 Resp: 1659907
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.6 14.2 21.2





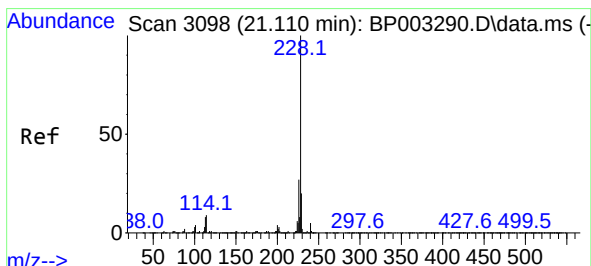
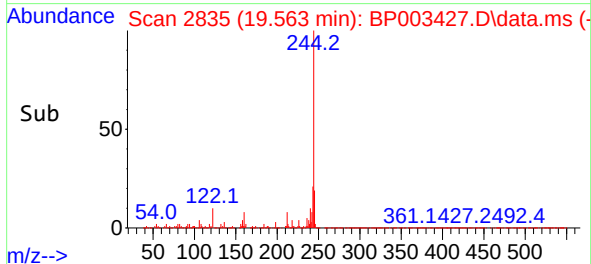
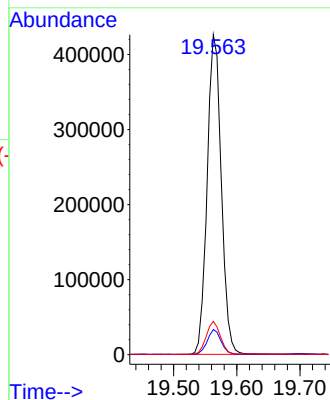
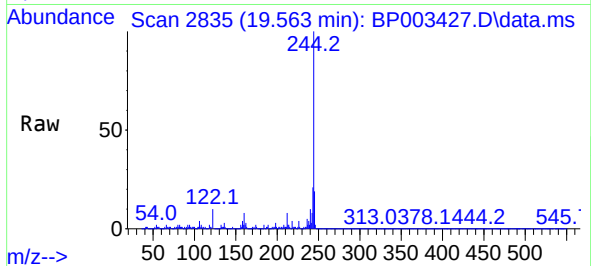
#79
Terphenyl-d14
Concen: 22.75 ng
RT: 19.563 min Scan# 2835
Delta R.T. 0.029 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:244 Resp: 661660
Ion Ratio Lower Upper
244 100
212 7.8 5.8 8.6
122 10.4 7.8 11.8

Instrument :
BNA_P
ClientSampleId :
B-6(11-13)DL

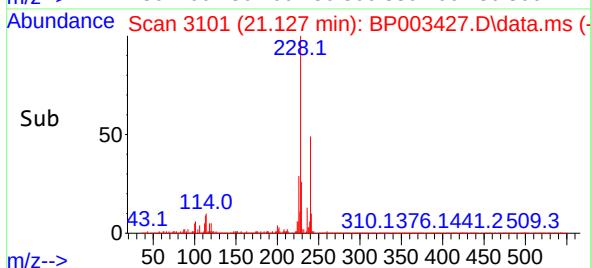
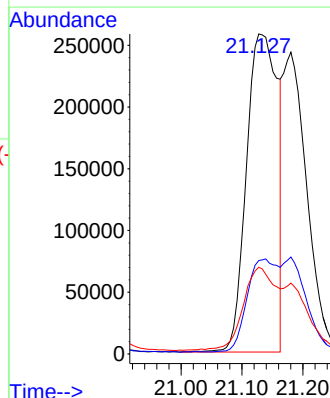
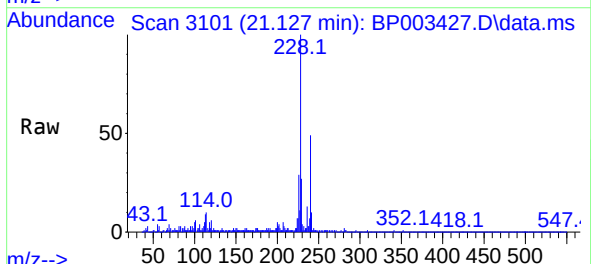
Manual Integrations
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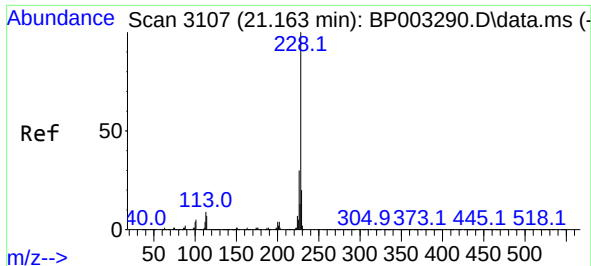
mohammad
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#81
Benzo(a)anthracene
Concen: 23.43 ng
RT: 21.127 min Scan# 3101
Delta R.T. 0.082 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:228 Resp: 917910
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 27.1 15.9 23.9#





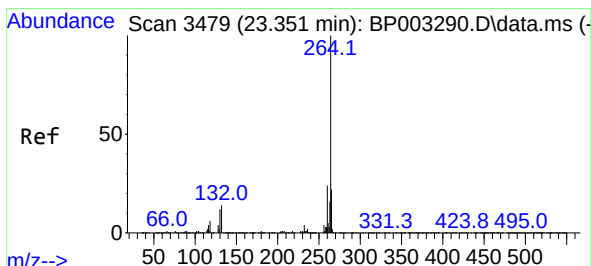
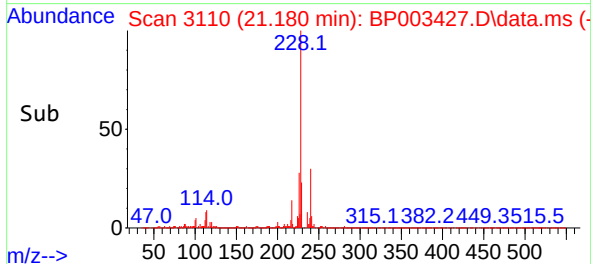
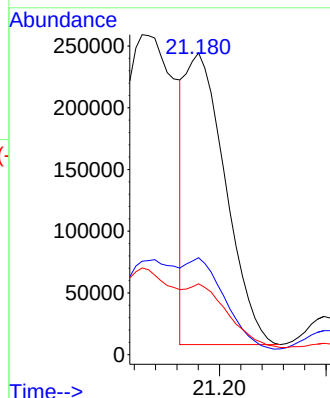
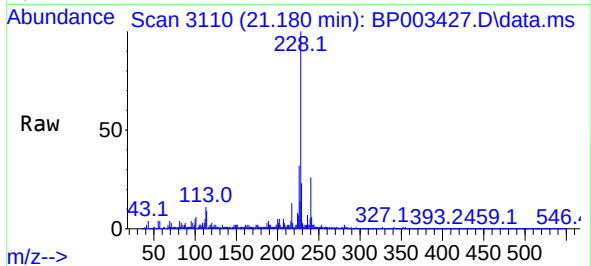
#83
Chrysene
Concen: 16.39 ng m
RT: 21.180 min Scan# 3110
Delta R.T. 0.082 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

Tgt Ion:	228	Resp:	616782
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.4	36.6
229	23.5	15.8	23.6

Instrument :
BNA_P
ClientSampled :
B-6(11-13)DL

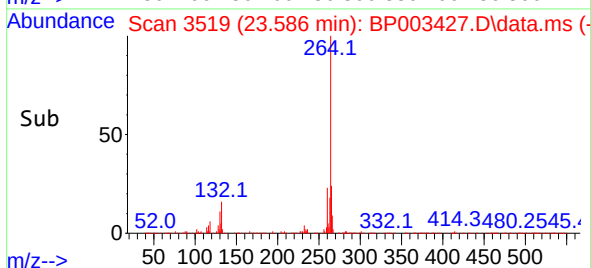
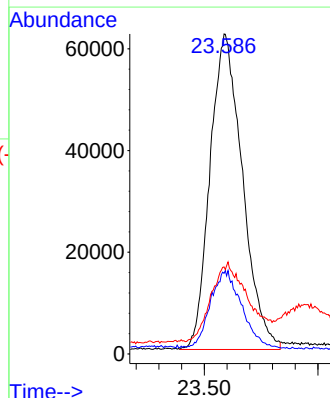
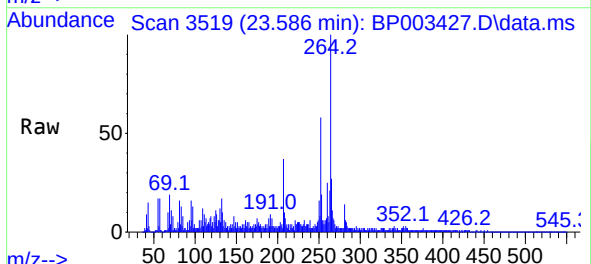
Manual Integrations
APPROVED

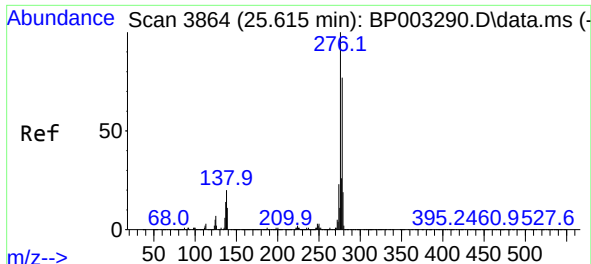
mohammad
10/1/2020 1:33:51 PM



#86
Perylene-d12
Concen: 20.00 ng m
RT: 23.586 min Scan# 3519
Delta R.T. 0.329 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

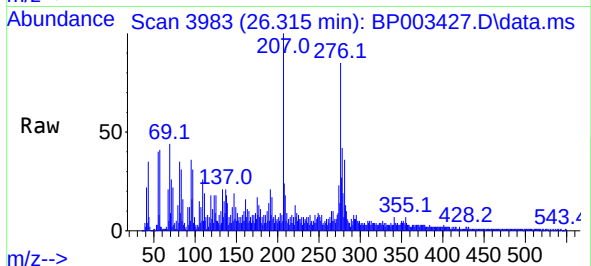
Tgt Ion:	264	Resp:	615531
Ion Ratio	Lower	Upper	
264	100		
260	25.2	18.8	28.2
265	27.2	17.4	26.2#





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.50 ng m
RT: 26.315 min Scan# 3983
Delta R.T. 0.817 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

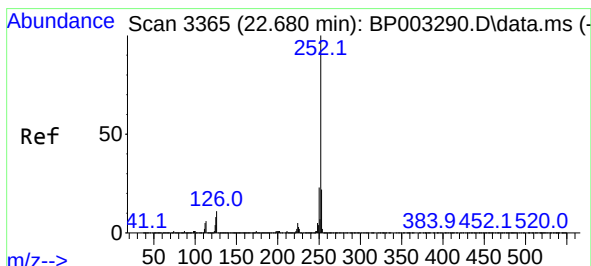
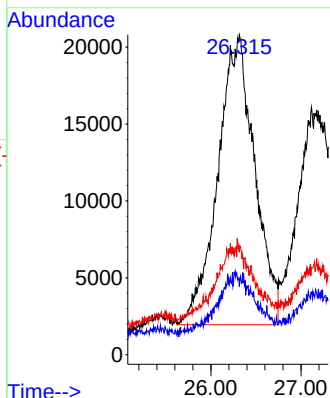
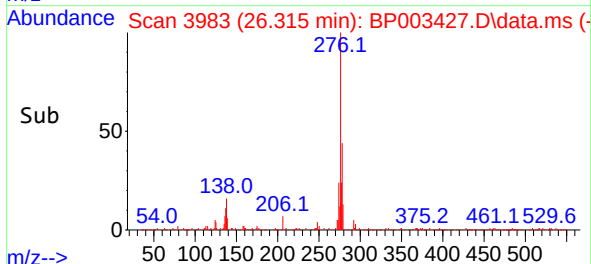
Instrument :
BNA_P
ClientSampleId :
B-6(11-13)DL



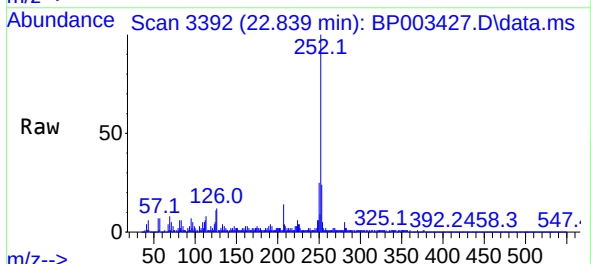
Tgt Ion:276 Resp: 536695
Ion Ratio Lower Upper
276 100
138 0.0 18.7 28.1#
277 0.1 20.4 30.6#

Manual Integrations
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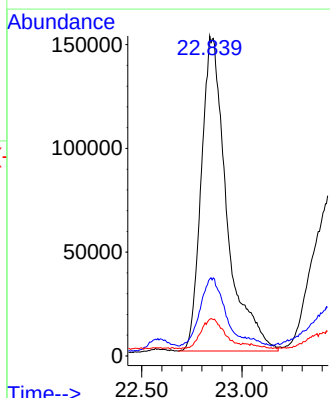
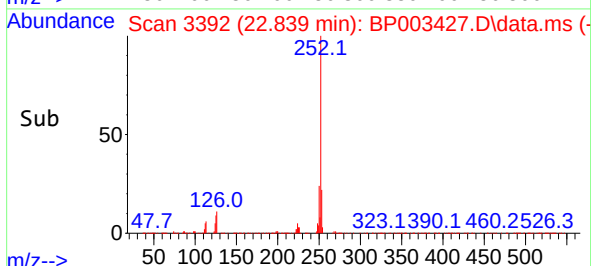
mohammad
10/1/2020 1:33:51 PM

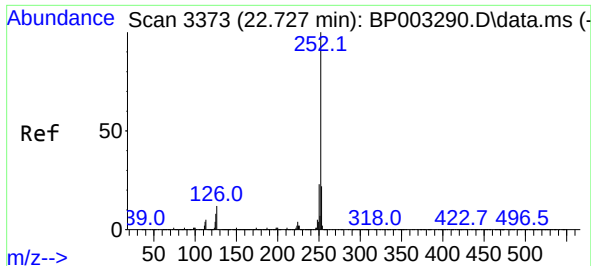


#88
Benzo(b)fluoranthene
Concen: 34.52 ng
RT: 22.839 min Scan# 3392
Delta R.T. 0.247 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53



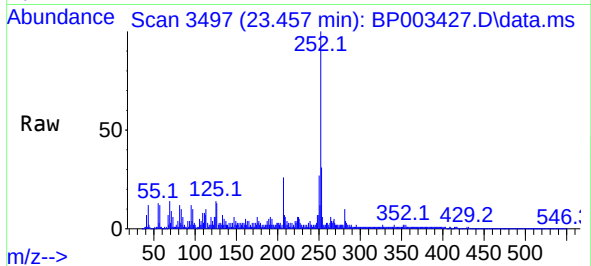
Tgt Ion:252 Resp: 1341887
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 11.5 7.3 10.9#





#89
Benzo(k)fluoranthene
Concen: 34.00 ng m
RT: 23.457 min Scan# 3497
Delta R.T. 0.812 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

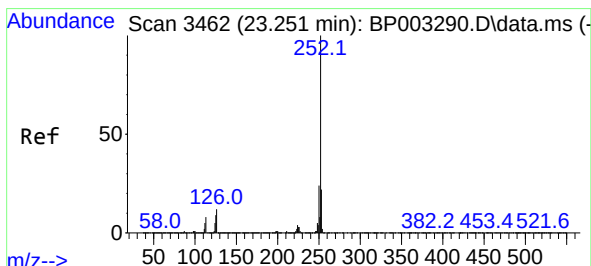
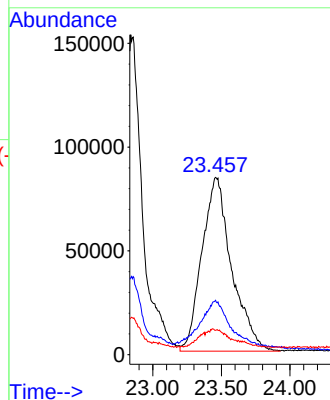
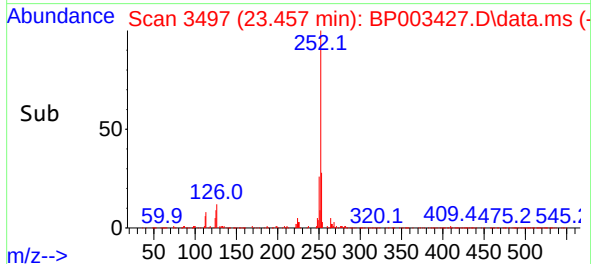
Instrument :
BNA_P
ClientSampled :
B-6(11-13)DL



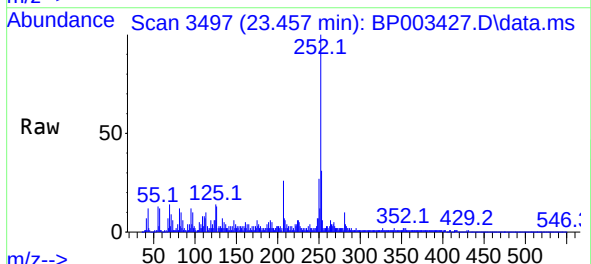
Tgt Ion:252 Resp: 1266614
Ion Ratio Lower Upper
252 100
253 30.7 17.8 26.8#
125 13.7 7.4 11.2#

Manual Integrations
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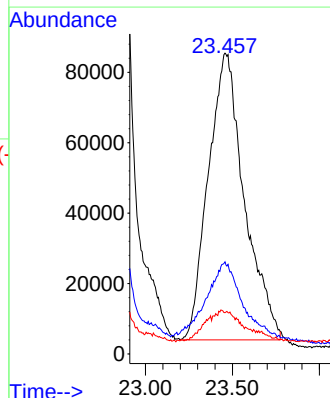
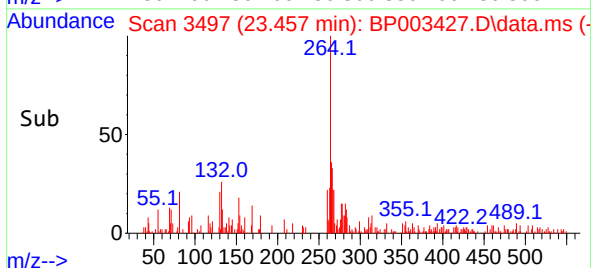
mohammad
10/1/2020 1:33:51 PM

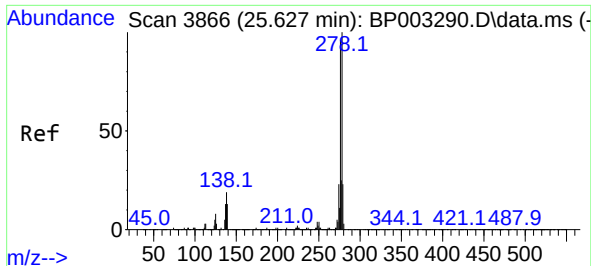


#90
Benzo(a)pyrene
Concen: 32.06 ng
RT: 23.457 min Scan# 3497
Delta R.T. 0.294 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53



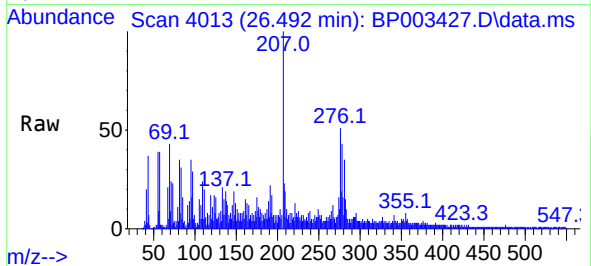
Tgt Ion:252 Resp: 1174971
Ion Ratio Lower Upper
252 100
253 30.7 17.4 26.0#
125 13.7 8.2 12.4#





#91
Dibenzo(a,h)anthracene
Concen: 12.20 ng m
RT: 26.492 min Scan# 4013
Delta R.T. 0.982 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53

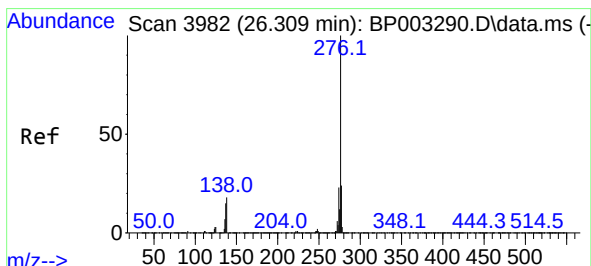
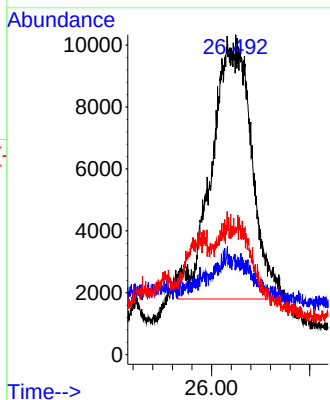
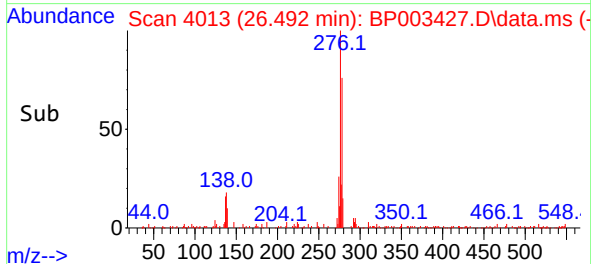
Instrument :
BNA_P
ClientSampled :
B-6(11-13)DL



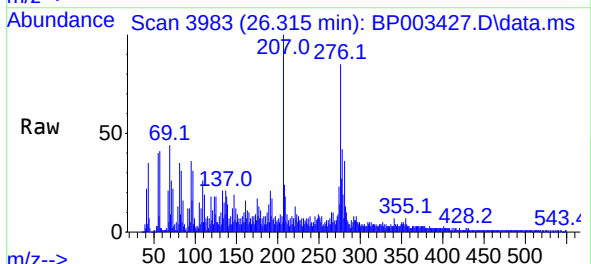
Tgt Ion:278 Resp: 469801
Ion Ratio Lower Upper
278 100
139 27.2 12.4 18.6#
279 38.1 19.0 28.6#

Manual Integrations
APPROVED

mohammad
10/1/2020 1:33:51 PM



#92
Benzo(g,h,i)perylene
Concen: 14.07 ng m
RT: 26.315 min Scan# 3983
Delta R.T. 0.118 min
Lab File: BP003427.D
Acq: 30 Sep 2020 22:53



Tgt Ion:276 Resp: 540817
Ion Ratio Lower Upper
276 100
277 32.2 19.0 28.6#
138 21.3 16.6 24.8

