

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
 Data File : BP005674.D
 Acq On : 02 Jun 2021 20:04
 Operator : CG/JU
 Sample : M2580-12 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B4(4-6)

Manual Integrations
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 6/3/2021 11:08:26 AM

Quant Time: Jun 03 02:43:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	381949	20.00	ng	0.00
21) Naphthalene-d8	10.799	136	1401497	20.00	ng	0.00
39) Acenaphthene-d10	14.616	164	794613	20.00	ng	0.00
64) Phenanthrene-d10	17.363	188	1424816	20.00	ng	# 0.01
76) Chrysene-d12	21.427	240	1413958	20.00	ng	# 0.00
86) Perylene-d12	23.880	264	1705993	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.552	112	63790	2.60	ng	0.00
7) Phenol-d6	7.152	99	370247	11.06	ng	0.00
23) Nitrobenzene-d5	9.152	82	296089	11.75	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	4173	0.41	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	736704	12.27	ng	0.00
79) Terphenyl-d14	19.898	244	911292	12.09	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.851	128	1309715	15.69	ng	98
37) 2-Methylnaphthalene	12.451	142	455961	7.71	ng	# 85
38) 1-Methylnaphthalene	12.669	142	289100	5.15	ng	# 98
46) 1,1'-Biphenyl	13.451	154	175974	2.73	ng	98
52) Acenaphthene	14.675	154	1224048	23.03	ng	97
55) Dibenzofuran	15.010	168	1334336	16.38	ng	97
58) Fluorene	15.657	166	1421880	21.83	ng	99
71) Phenanthrene	17.410	178	12354957	139.19	ng	96
72) Anthracene	17.492	178	3404846	38.85	ng	100
73) Carbazole	17.757	167	1004406	11.64	ng	100
75) Fluoranthene	19.363	202	10018269	94.02	ng	93
78) Pyrene	19.716	202	10039969	100.63	ng	95
81) Benzo(a)anthracene	21.416	228	4597686	44.31	ng	96
83) Chrysene	21.469	228	3829251	38.11	ng	97
87) Indeno(1,2,3-cd)pyrene	26.457	276	2701515	18.61	ng	# 95
88) Benzo(b)fluoranthene	23.133	252	4892282	39.52	ng	# 97
89) Benzo(k)fluoranthene	23.174	252	1596487m	13.61	ng	
90) Benzo(a)pyrene	23.774	252	4236102	37.62	ng	# 95
91) Dibenzo(a,h)anthracene	26.462	278	674042	5.35	ng	# 87
92) Benzo(g,h,i)perylene	27.251	276	2692151	22.16	ng	# 94

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

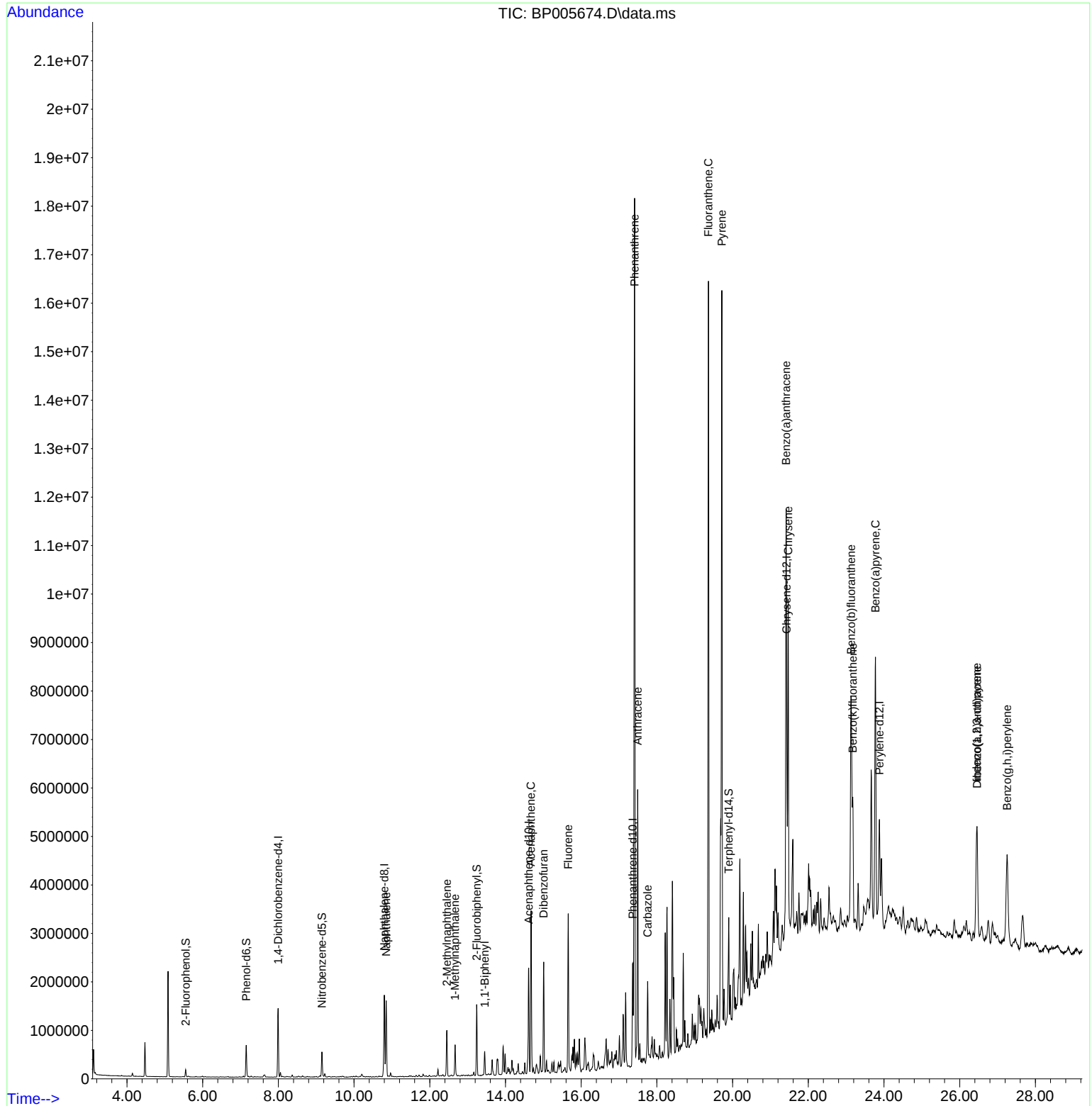
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060221\
Data File : BP005674.D
Acq On : 02 Jun 2021 20:04
Operator : CG/JU
Sample : M2580-12 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

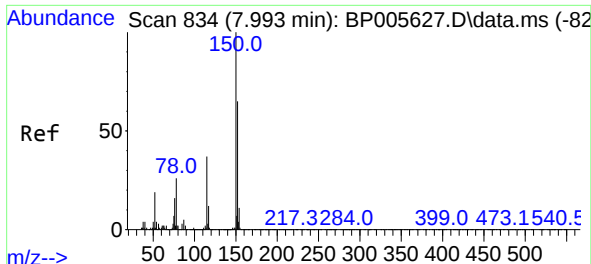
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

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Quant Time: Jun 03 02:43:19 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 27 16:11:11 2021
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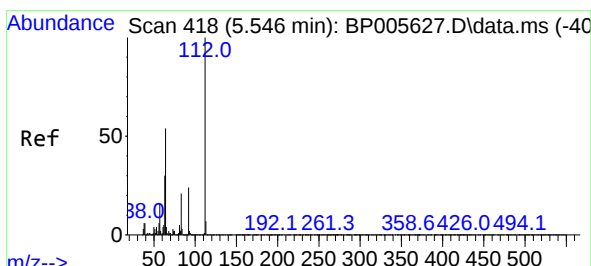
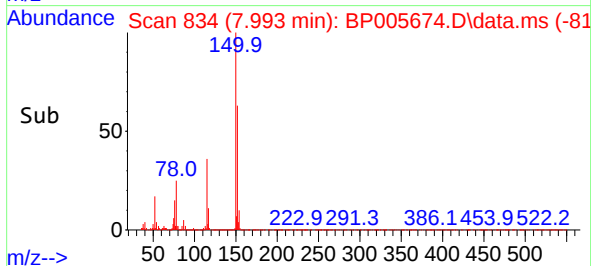
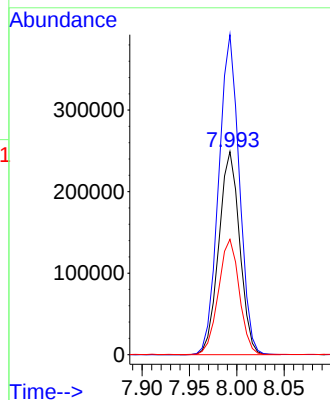
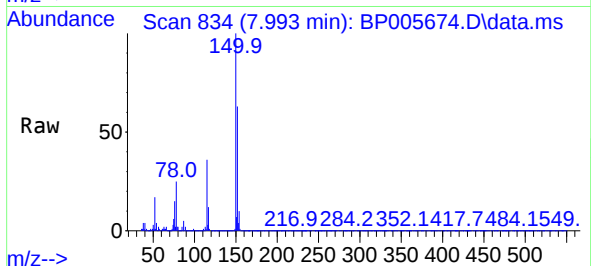
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.993 min Scan# 834
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:152 Resp: 381949
Ion Ratio Lower Upper
152 100
150 157.6 119.8 179.8
115 56.8 49.0 73.4

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

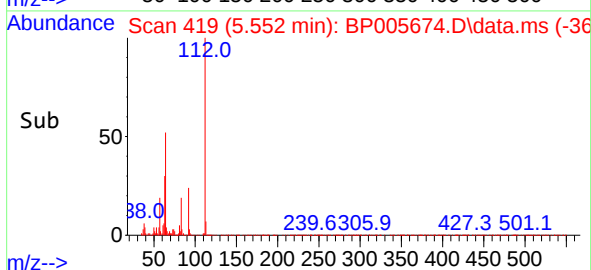
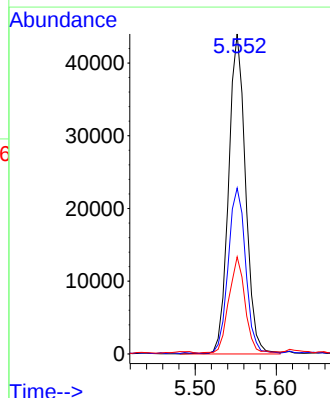
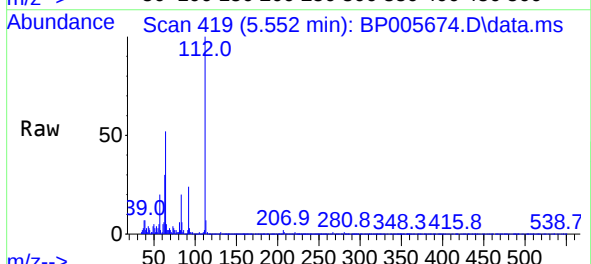
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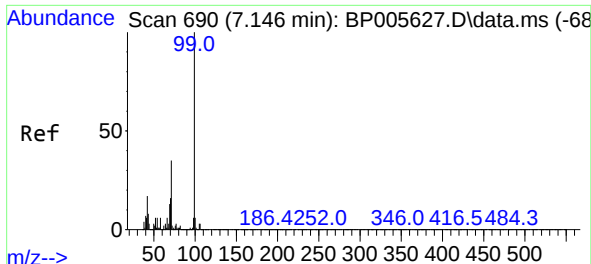
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#5
2-Fluorophenol
Concen: 2.60 ng
RT: 5.552 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

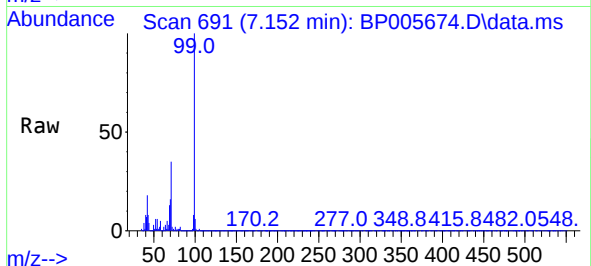
Tgt Ion:112 Resp: 63790
Ion Ratio Lower Upper
112 100
64 51.9 33.6 50.4#
63 30.3 18.6 27.8#





#7
Phenol-d6
Concen: 11.06 ng
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

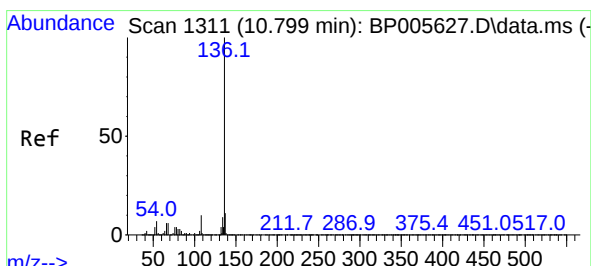
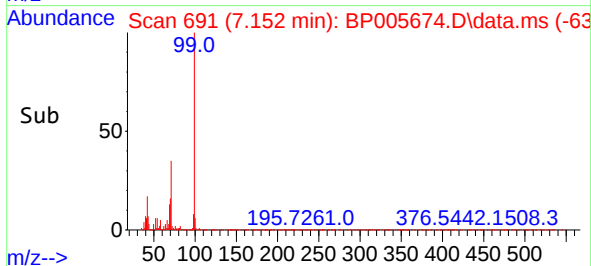
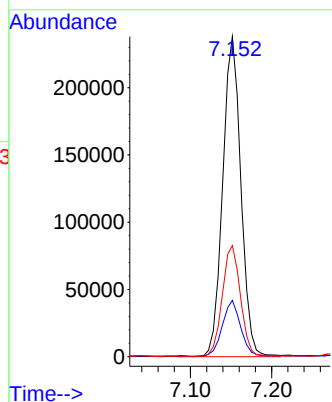
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)



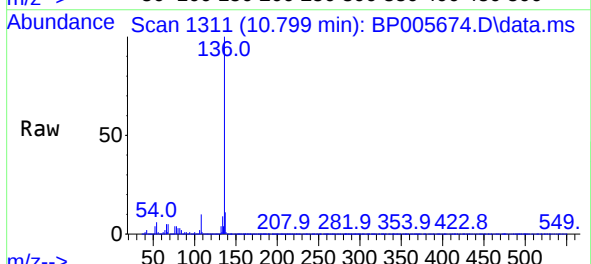
Tgt Ion: 99 Resp: 370247
Ion Ratio Lower Upper
99 100
42 17.6 12.9 19.3
71 34.7 26.7 40.1

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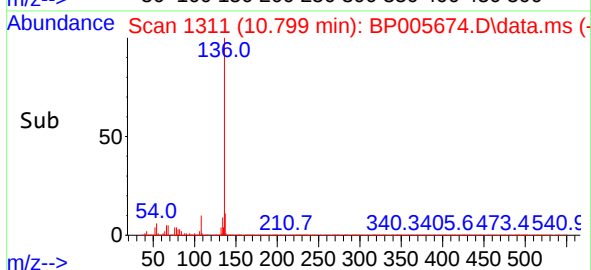
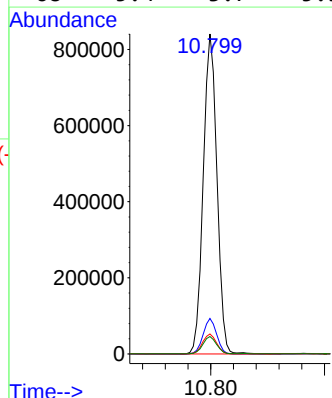
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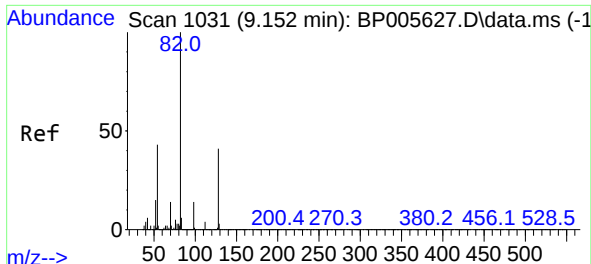


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.799 min Scan# 1311
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



Tgt Ion: 136 Resp: 1401497
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.2 5.0 7.4
68 5.4 3.7 5.5





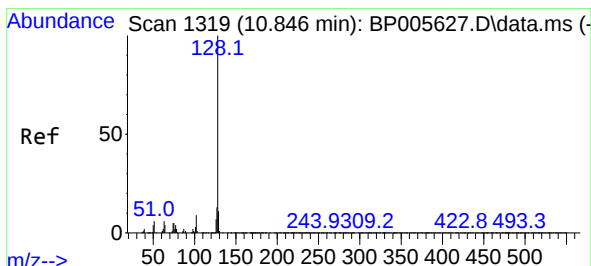
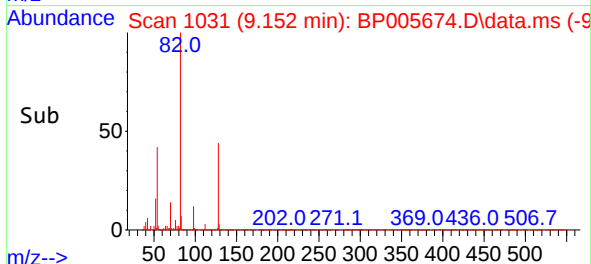
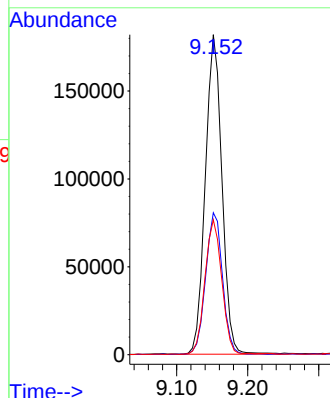
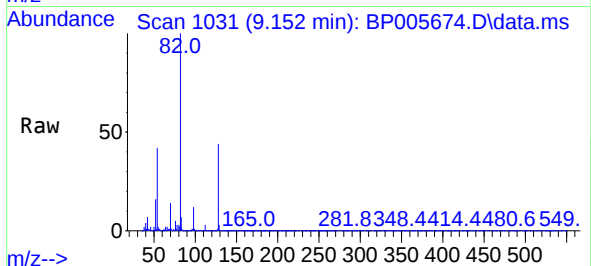
#23
Nitrobenzene-d5
Concen: 11.75 ng
RT: 9.152 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion: 82 Resp: 296089
Ion Ratio Lower Upper
82 100
128 44.3 30.5 45.7
54 42.2 33.9 50.9

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

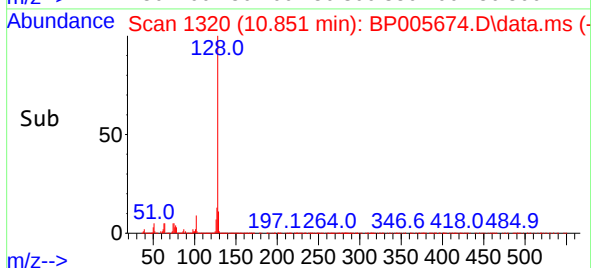
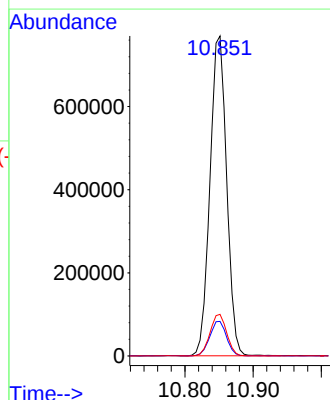
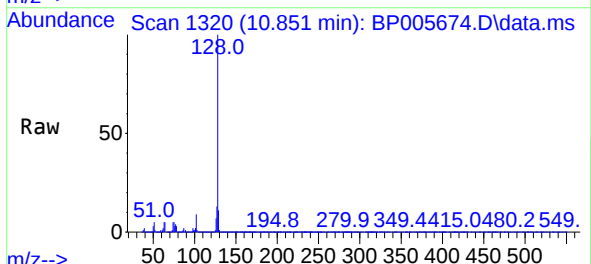
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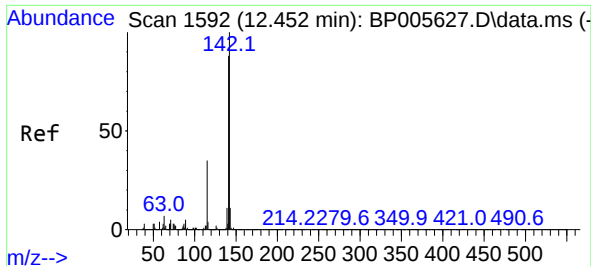
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#31
Naphthalene
Concen: 15.69 ng
RT: 10.851 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

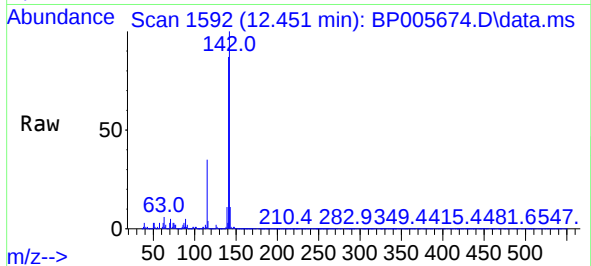
Tgt Ion:128 Resp: 1309715
Ion Ratio Lower Upper
128 100
129 10.8 8.0 12.0
127 13.0 11.1 16.7





#37
2-Methylnaphthalene
Concen: 7.71 ng
RT: 12.451 min Scan# 1592
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

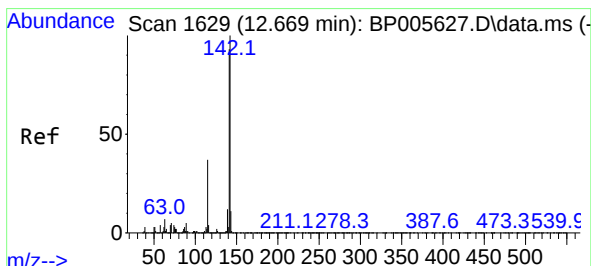
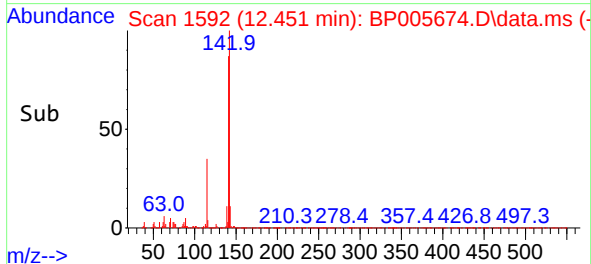
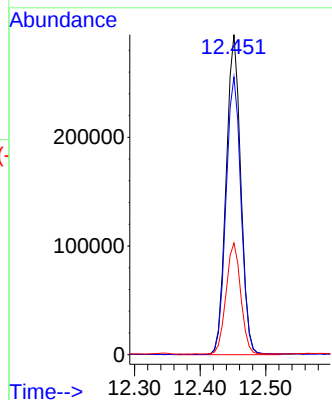
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)



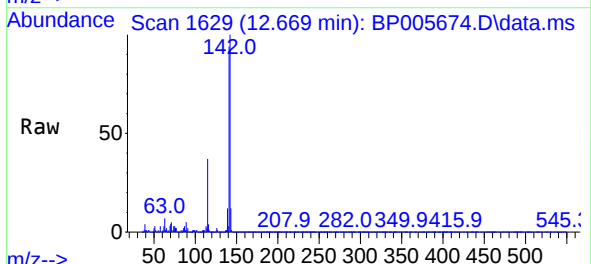
Tgt Ion:142 Resp: 455961
Ion Ratio Lower Upper
142 100
141 86.8 74.7 112.1
115 34.9 43.8 65.8#

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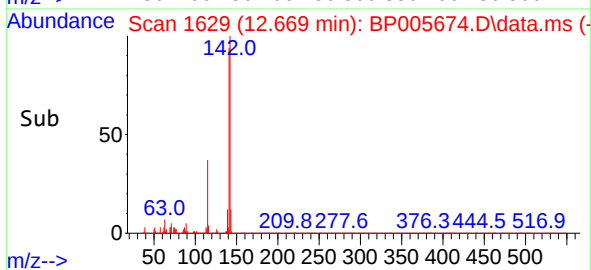
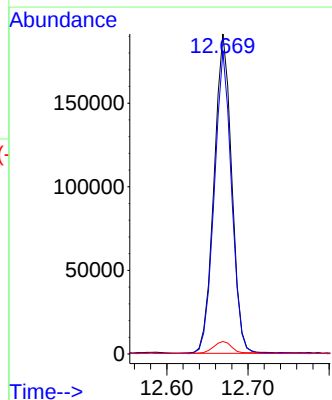
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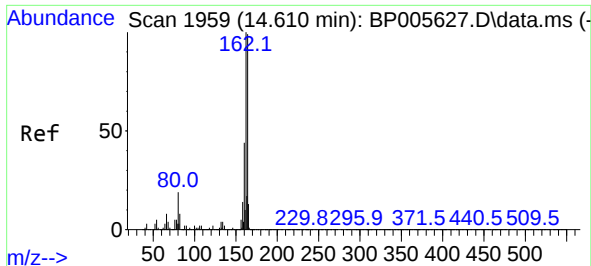


#38
1-Methylnaphthalene
Concen: 5.15 ng
RT: 12.669 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



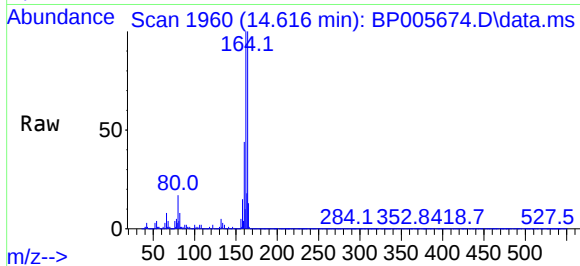
Tgt Ion:142 Resp: 289100
Ion Ratio Lower Upper
142 100
141 94.5 77.0 115.6
116 3.9 5.0 7.6#





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.616 min Scan# 1960
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

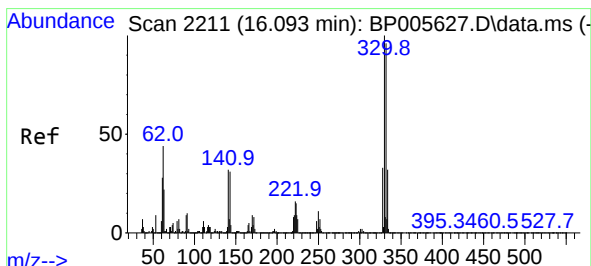
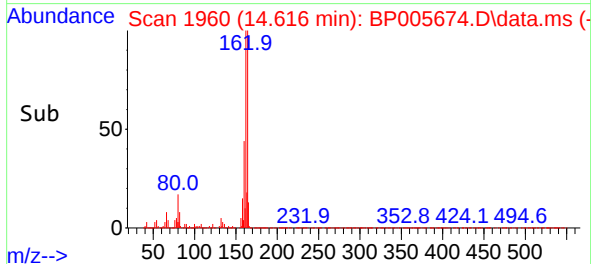
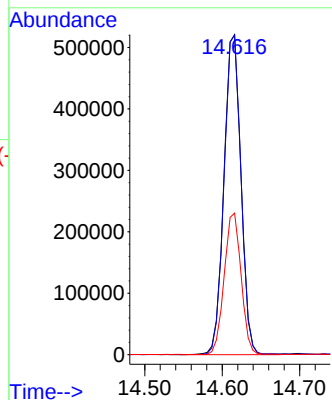
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)



Tgt Ion:164 Resp: 794613
Ion Ratio Lower Upper
164 100
162 99.9 73.5 110.3
160 44.2 40.6 61.0

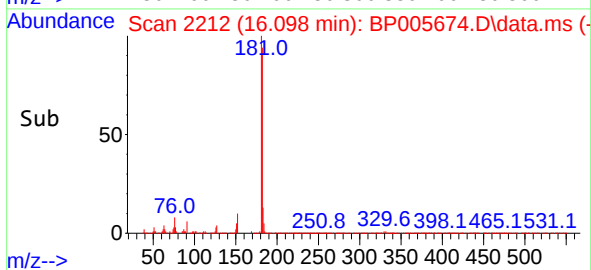
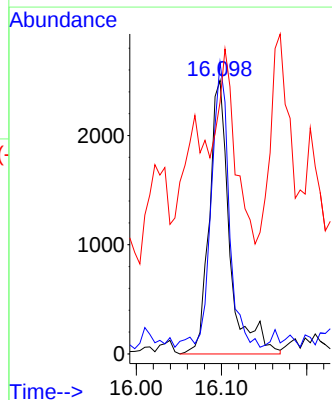
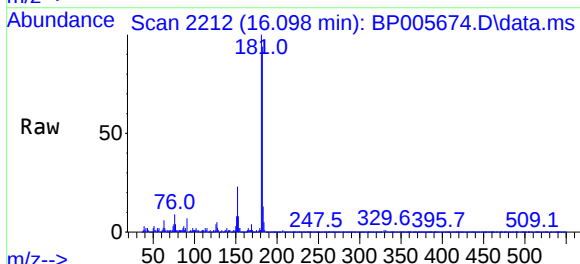
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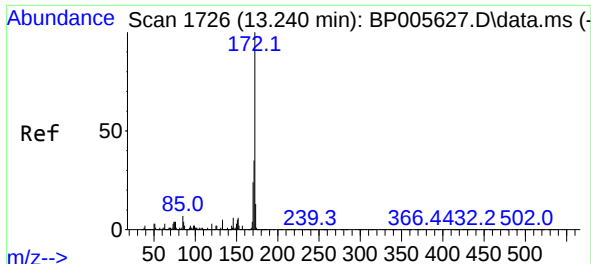
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#42
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 16.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:330 Resp: 4173
Ion Ratio Lower Upper
330 100
332 91.2 76.3 114.5
141 62.0 22.8 34.2#





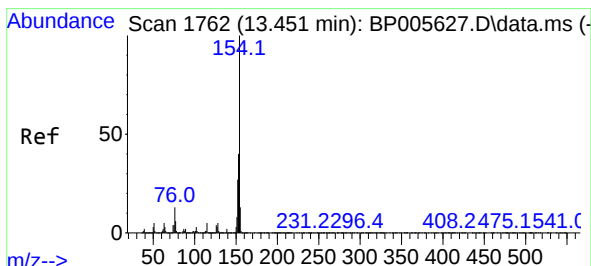
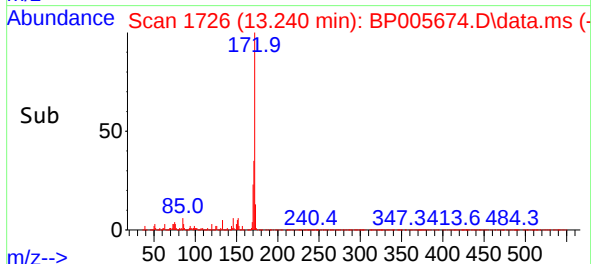
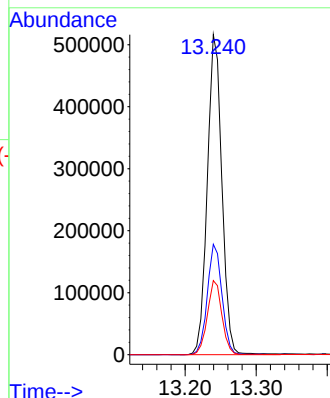
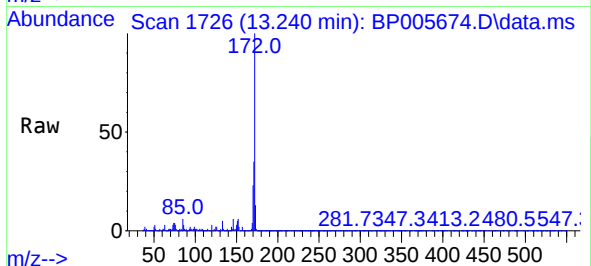
#45
2-Fluorobiphenyl
Concen: 12.27 ng
RT: 13.240 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:	172	Resp:	736704
Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.1	42.1
170	23.1	19.6	29.4

Instrument :
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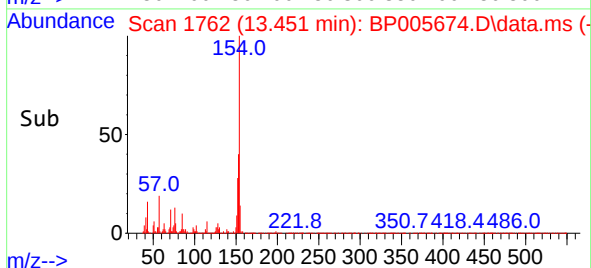
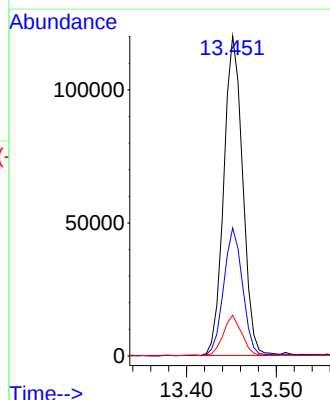
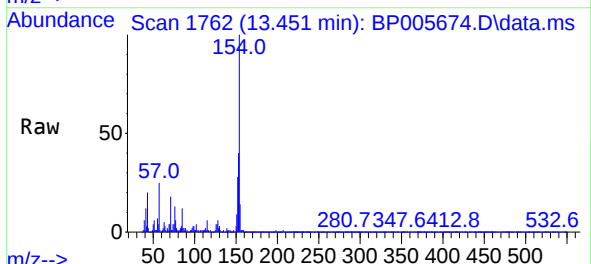
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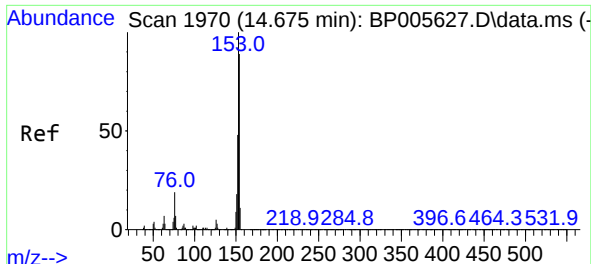
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#46
1,1'-Biphenyl
Concen: 2.73 ng
RT: 13.451 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

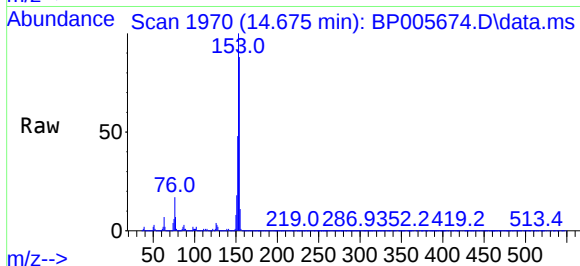
Tgt Ion:	154	Resp:	175974
Ion	Ratio	Lower	Upper
154	100		
153	40.0	18.9	58.9
76	12.8	0.0	32.1





#52
Acenaphthene
Concen: 23.03 ng
RT: 14.675 min Scan# 1970
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

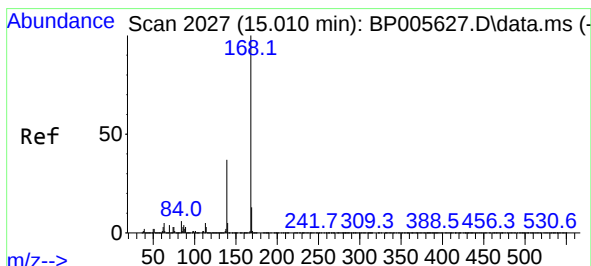
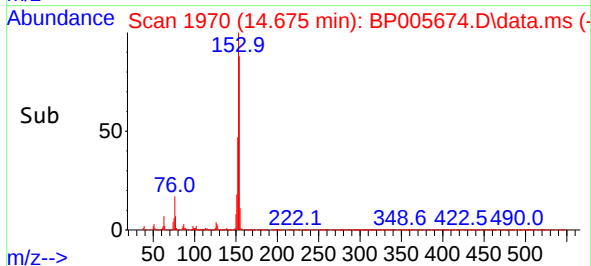
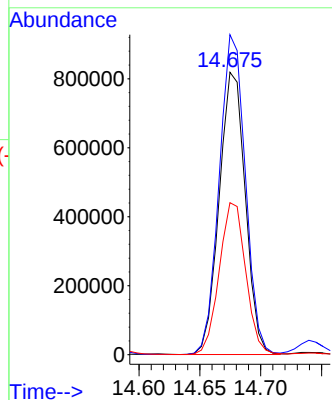
Instrument :
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18-B4(4-6)



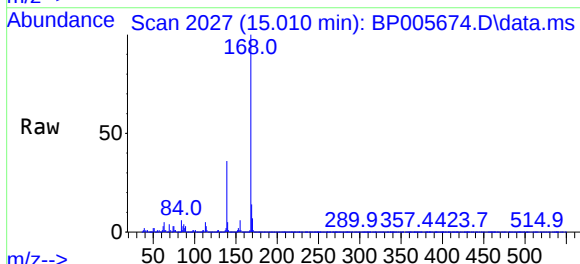
Tgt Ion:154 Resp: 1224048
Ion Ratio Lower Upper
154 100
153 113.3 90.9 136.3
152 53.8 48.5 72.7

Manual Integrations
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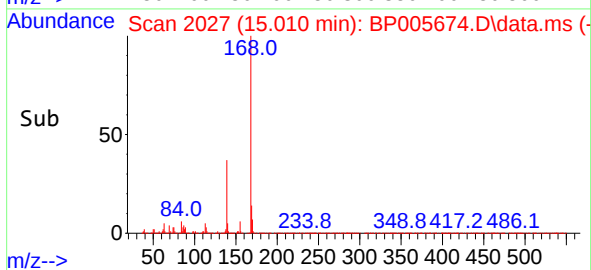
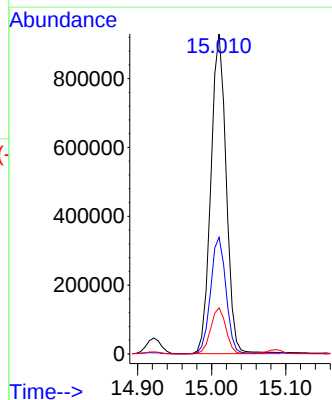
mohammad
6/3/2021 11:08:26 AM

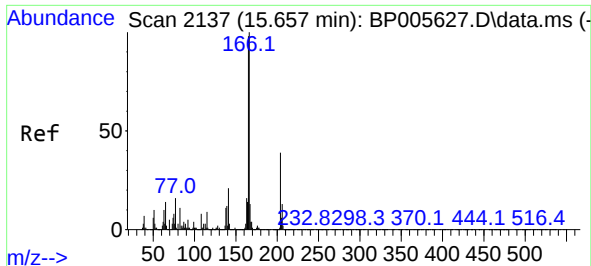


#55
Dibenzofuran
Concen: 16.38 ng
RT: 15.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



Tgt Ion:168 Resp: 1334336
Ion Ratio Lower Upper
168 100
139 36.5 31.4 47.0
169 14.4 11.4 17.0





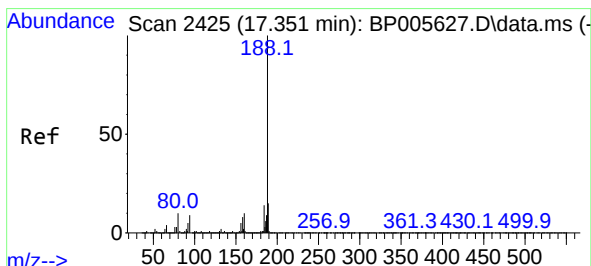
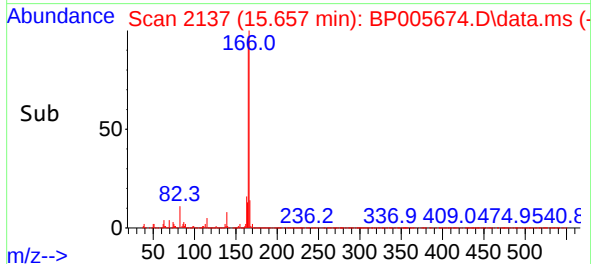
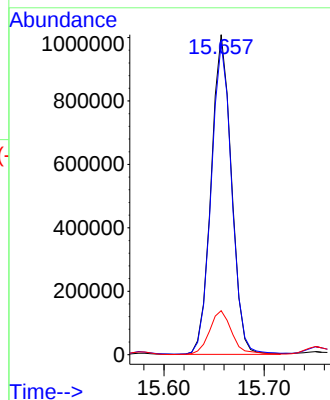
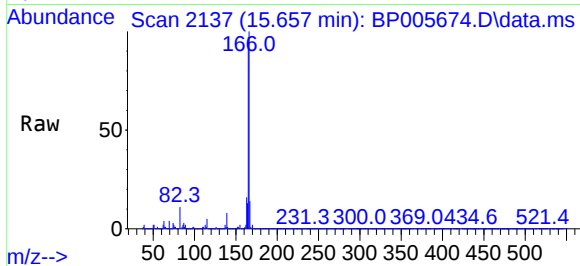
#58
Fluorene
Concen: 21.83 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:166 Resp: 1421880
Ion Ratio Lower Upper
166 100
165 97.3 78.8 118.2
167 13.8 10.9 16.3

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

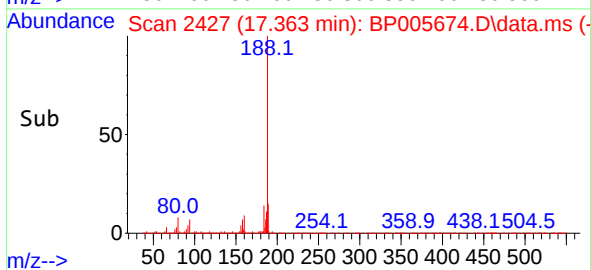
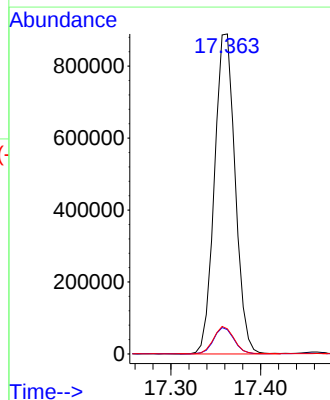
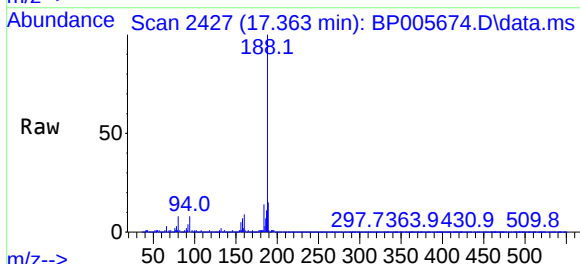
Manual Integrations
APPROVED

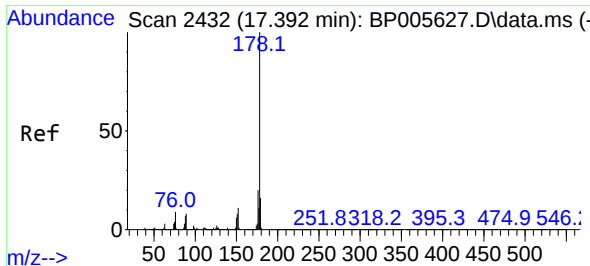
mohammad
6/3/2021 11:08:26 AM



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.363 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

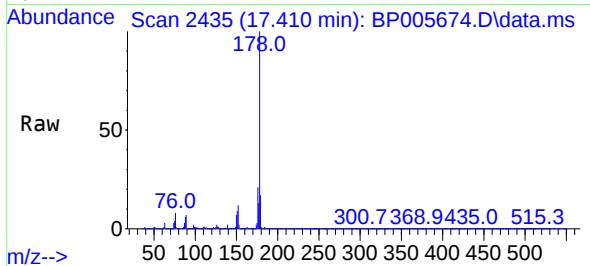
Tgt Ion:188 Resp: 1424816
Ion Ratio Lower Upper
188 100
94 7.6 5.0 7.6#
80 7.9 5.9 8.9





#71
Phenanthrene
Concen: 139.19 ng
RT: 17.410 min Scan# 2435
Delta R.T. 0.017 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

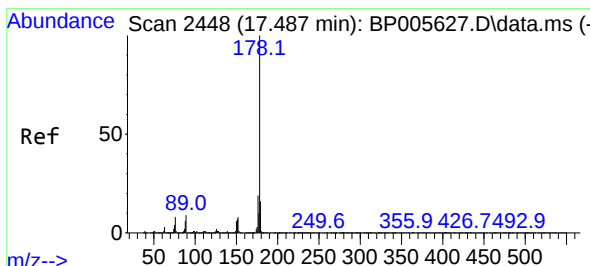
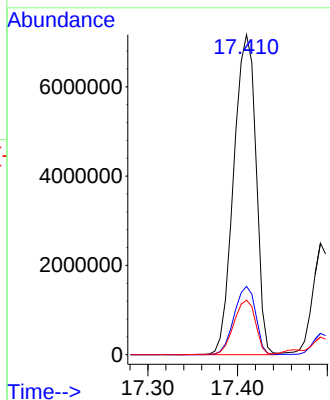
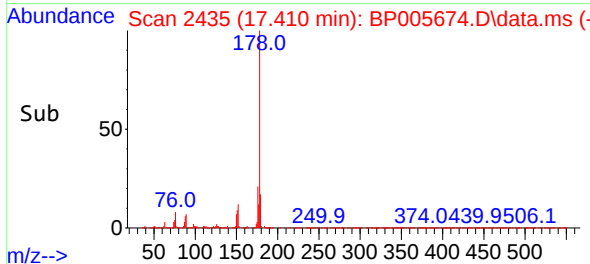
Instrument :
BNA_P
ClientSampleID :
18-B4(4-6)



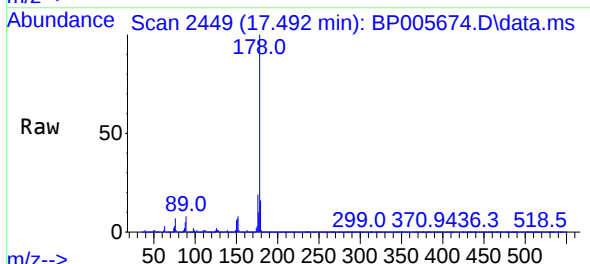
Tgt Ion:178 Resp:12354957
Ion Ratio Lower Upper
178 100
176 21.3 15.4 23.2
179 17.1 12.3 18.5

Manual Integrations
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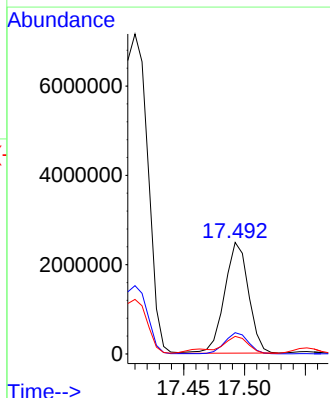
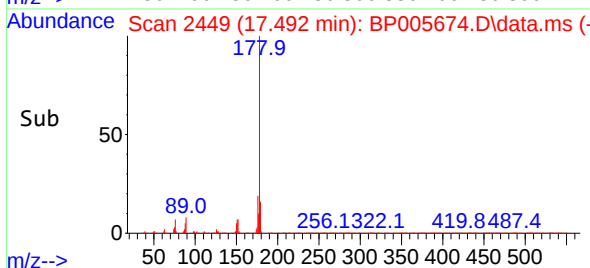
mohammad
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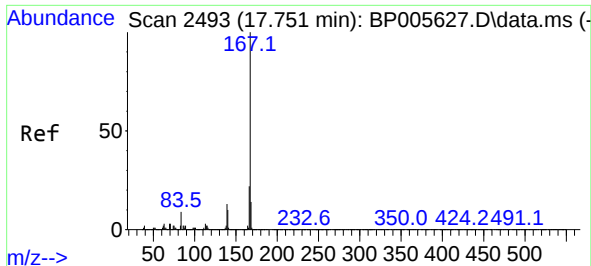


#72
Anthracene
Concen: 38.85 ng
RT: 17.492 min Scan# 2449
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



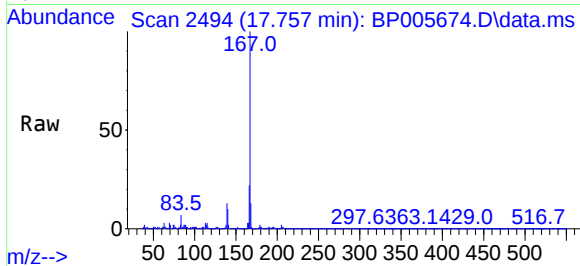
Tgt Ion:178 Resp: 3404846
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 15.9 12.6 19.0





#73
Carbazole
Concen: 11.64 ng
RT: 17.757 min Scan# 2494
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

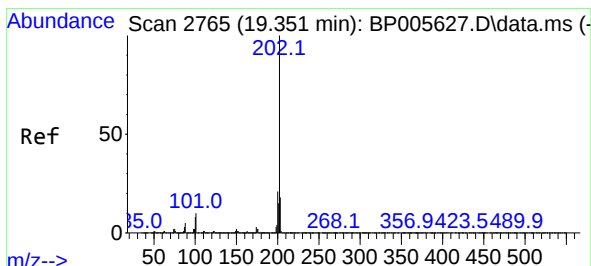
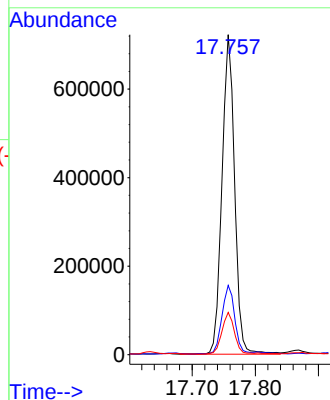
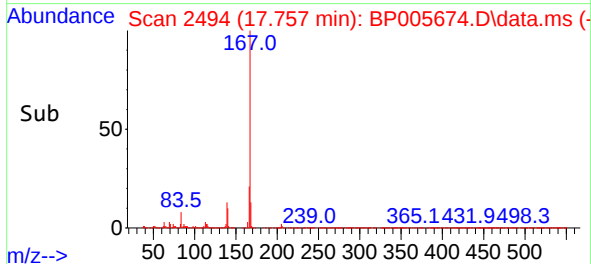
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)



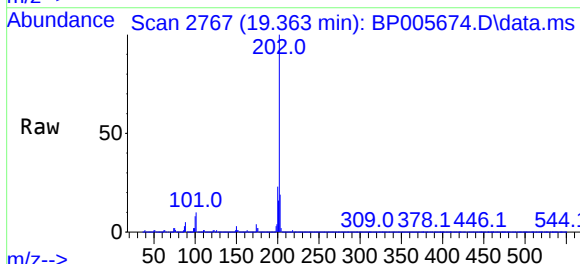
Tgt Ion:167 Resp: 1004406
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.0
139 13.2 10.4 15.6

Manual Integrations
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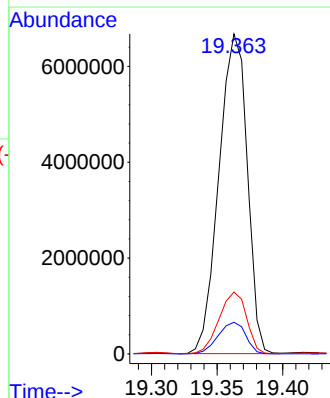
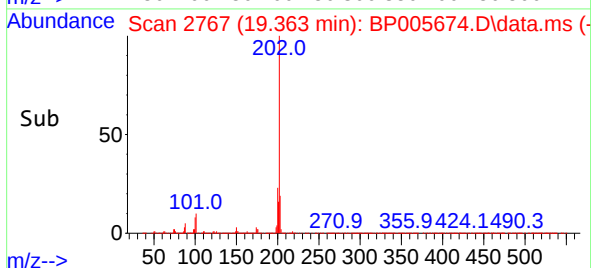
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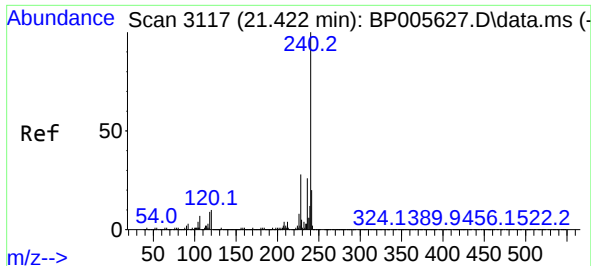


#75
Fluoranthene
Concen: 94.02 ng
RT: 19.363 min Scan# 2767
Delta R.T. 0.012 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



Tgt Ion:202 Resp:10018269
Ion Ratio Lower Upper
202 100
101 9.9 0.0 26.1
203 19.4 0.0 37.2





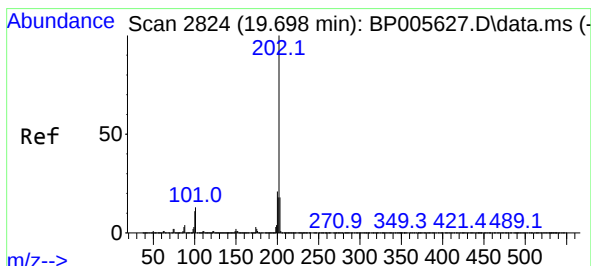
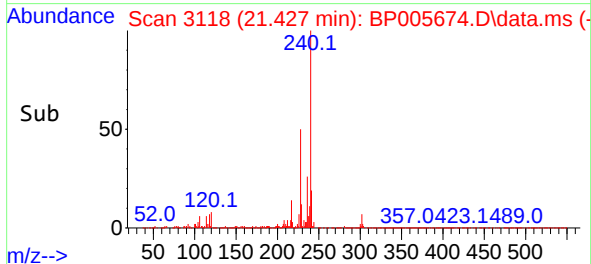
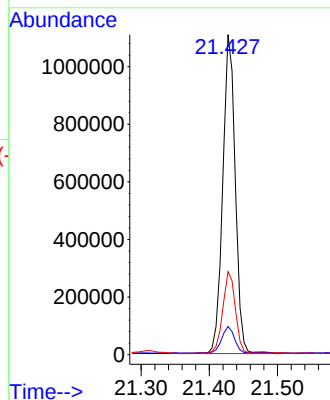
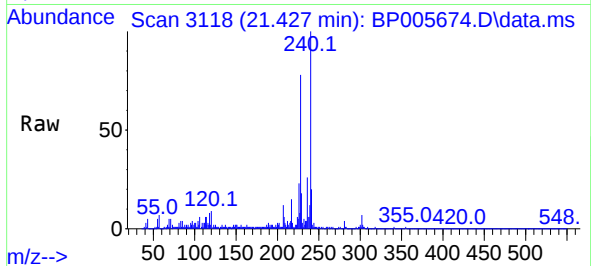
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.427 min Scan# 3118
Delta R.T. 0.005 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:240 Resp: 1413958
Ion Ratio Lower Upper
240 100
120 8.8 4.2 6.2#
236 26.0 20.2 30.2

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

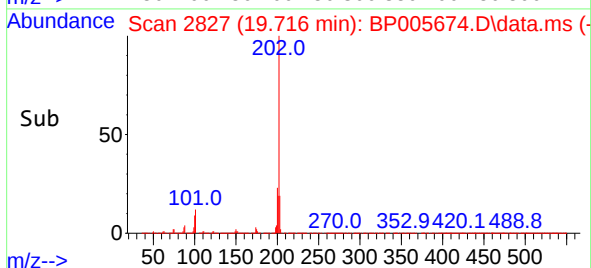
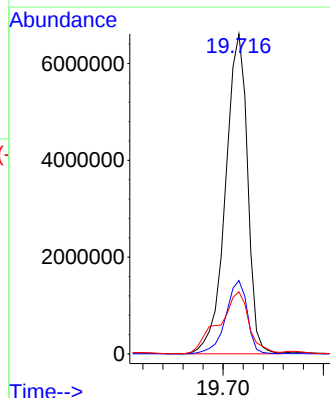
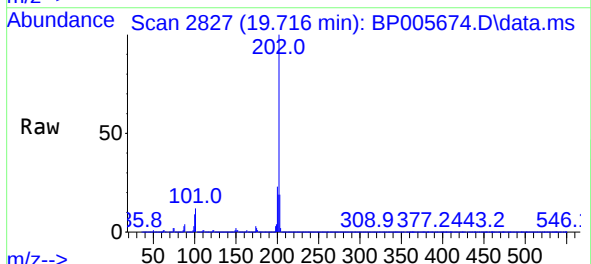
Manual Integrations
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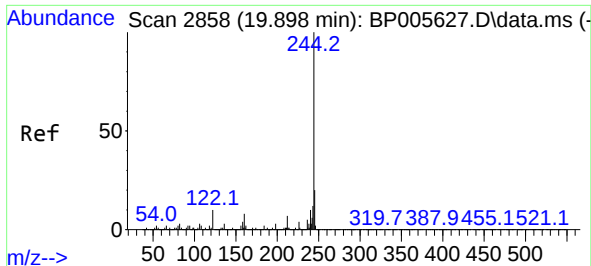
mohammad
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#78
Pyrene
Concen: 100.63 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.017 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:202 Resp:10039969
Ion Ratio Lower Upper
202 100
200 22.9 16.9 25.3
203 19.5 13.8 20.6





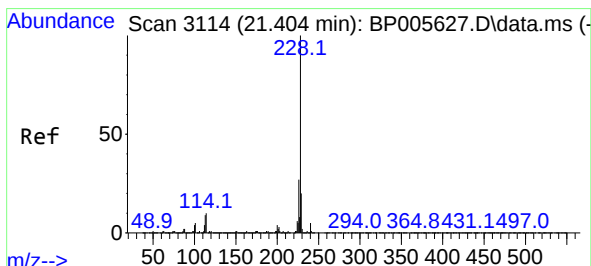
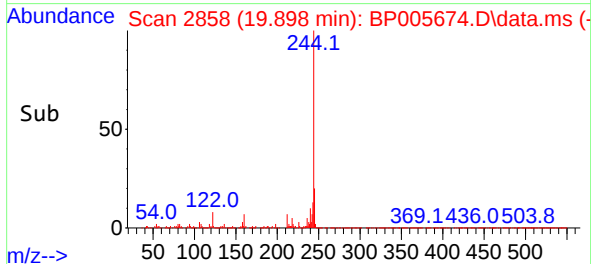
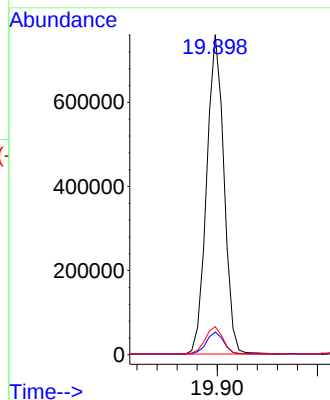
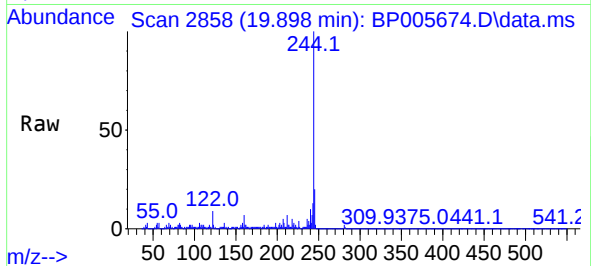
#79
Terphenyl-d14
Concen: 12.09 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:244 Resp: 911292
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 8.7 5.2 7.8#

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

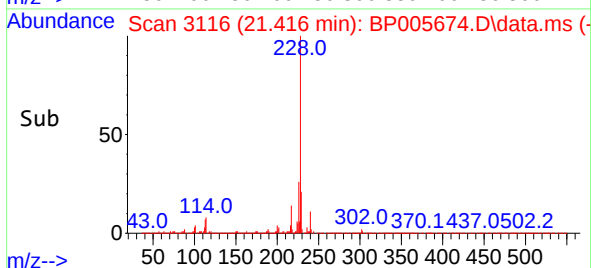
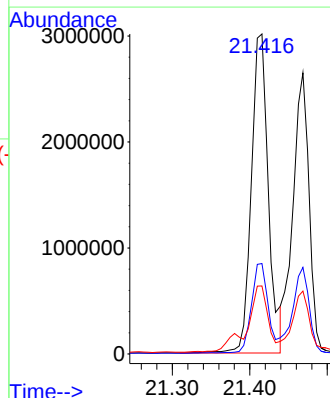
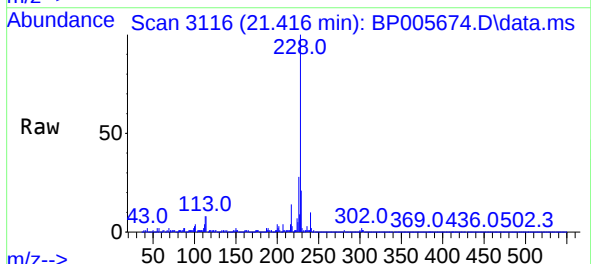
Manual Integrations
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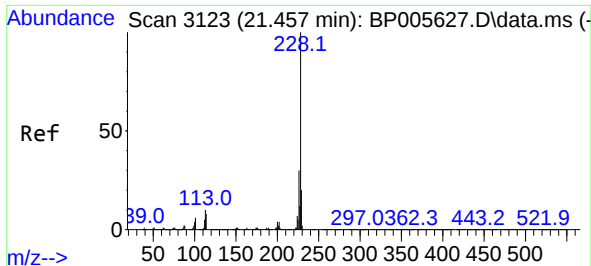
mohammad
6/3/2021 11:08:26 AM



#81
Benzo(a)anthracene
Concen: 44.31 ng
RT: 21.416 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:228 Resp: 4597686
Ion Ratio Lower Upper
228 100
226 28.3 21.2 31.8
229 21.2 15.6 23.4





#83
Chrysene
Concen: 38.11 ng
RT: 21.469 min Scan# 3125
Delta R.T. 0.012 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

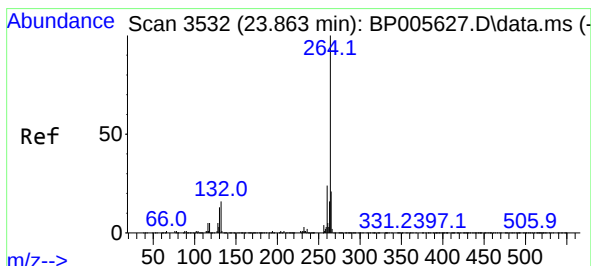
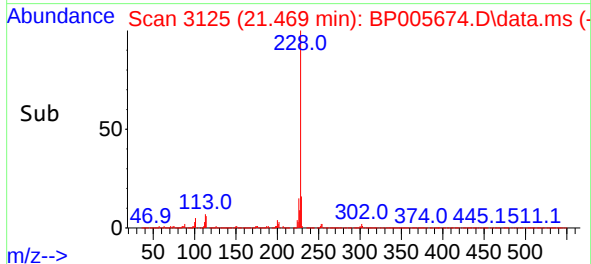
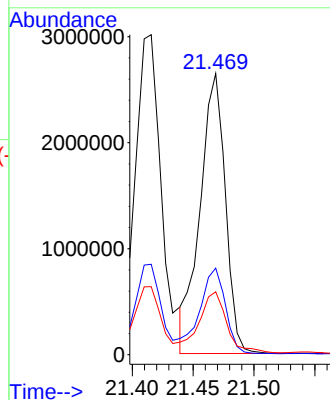
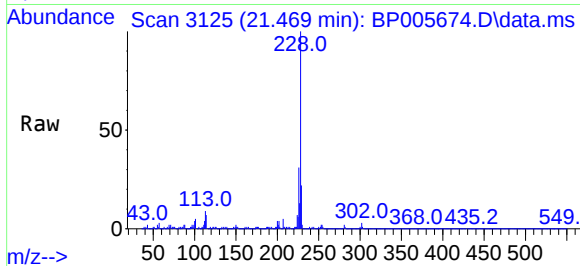
Tgt Ion:228 Resp: 3829251

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.8	37.2
229	22.4	15.4	23.0

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

Manual Integrations
APPROVED

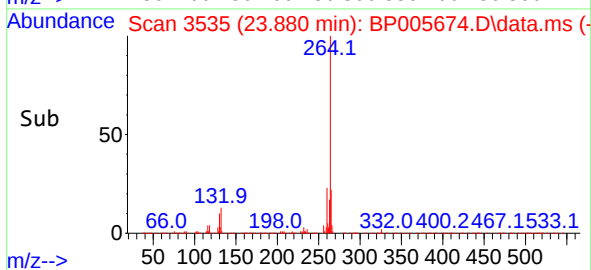
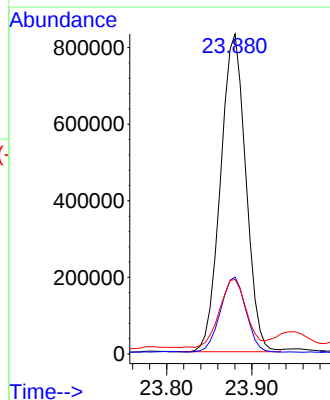
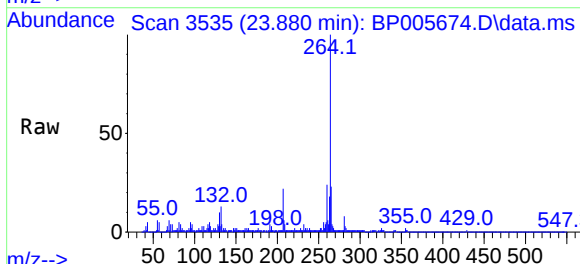
mohammad
6/3/2021 11:08:26 AM

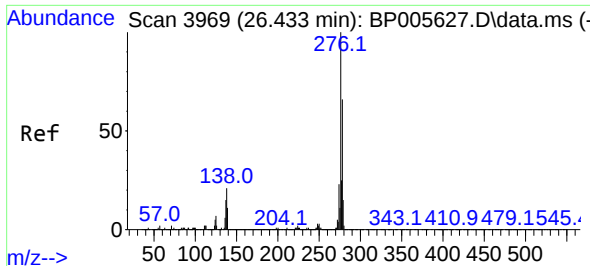


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.880 min Scan# 3535
Delta R.T. 0.017 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

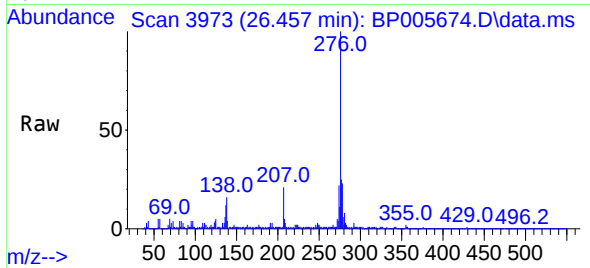
Tgt Ion:264 Resp: 1705993

Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.6	30.8
265	23.3	19.0	28.6

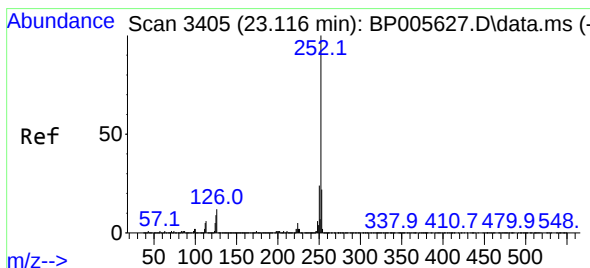
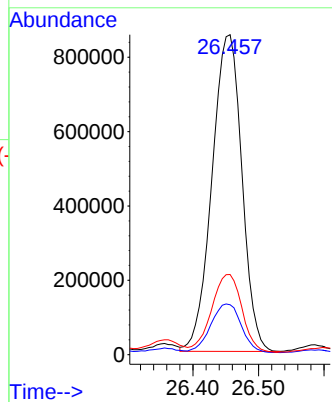
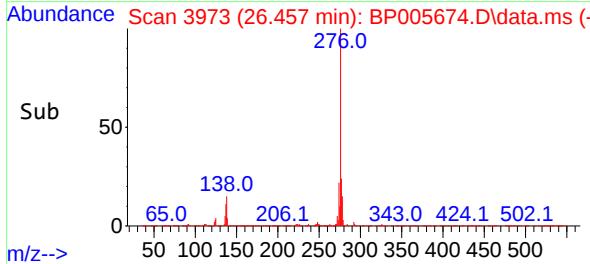




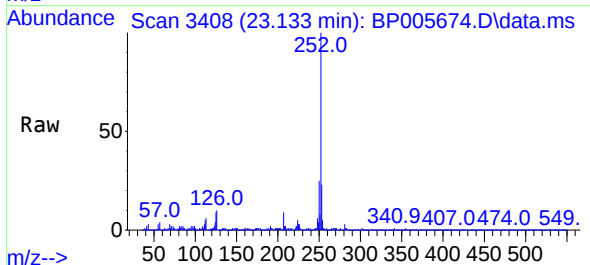
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.61 ng
RT: 26.457 min Scan# 3973
Delta R.T. 0.023 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



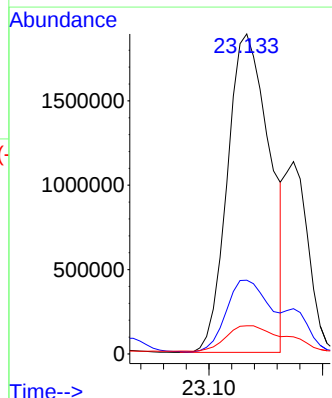
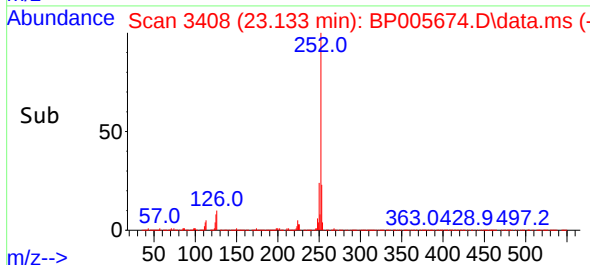
Tgt Ion: 276 Resp: 2701515
Ion Ratio Lower Upper
276 100
138 15.7 8.4 12.6#
277 25.0 20.6 31.0



#88
Benzo(b)fluoranthene
Concen: 39.52 ng
RT: 23.133 min Scan# 3408
Delta R.T. 0.017 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



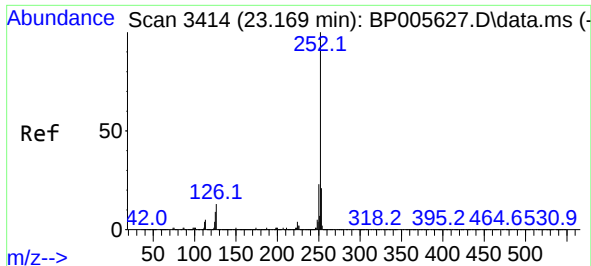
Tgt Ion: 252 Resp: 4892282
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 8.8 3.4 5.0#



Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)

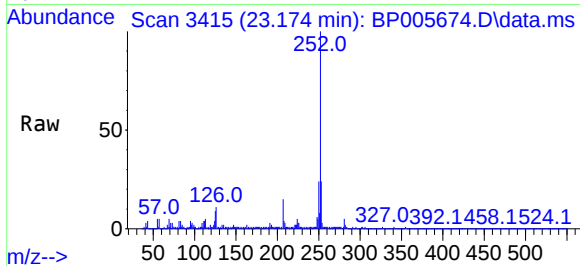
Manual Integrations
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6/3/2021 11:08:26 AM



#89
Benzo(k)fluoranthene
Concen: 13.61 ng m
RT: 23.174 min Scan# 3415
Delta R.T. 0.006 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

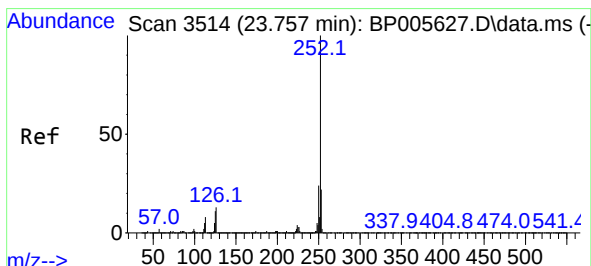
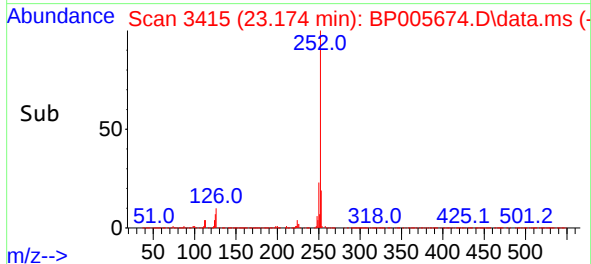
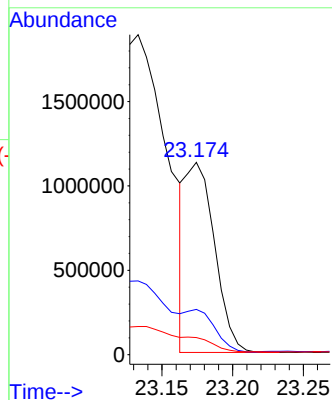
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)



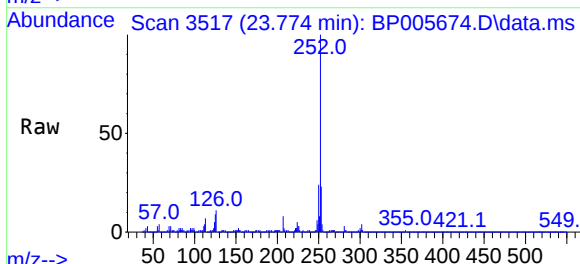
Tgt Ion:252 Resp: 1596487
Ion Ratio Lower Upper
252 100
253 23.5 17.2 25.8
125 8.9 3.8 5.6#

Manual Integrations
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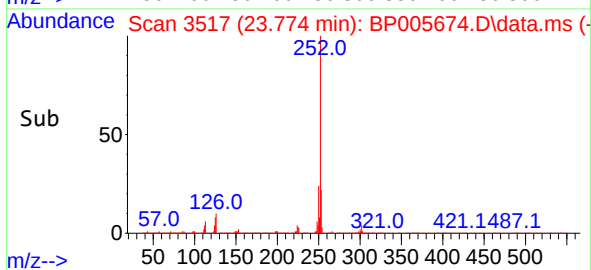
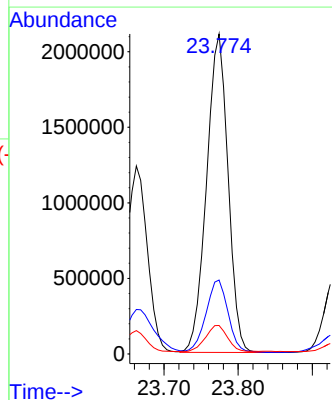
mohammad
6/3/2021 11:08:26 AM

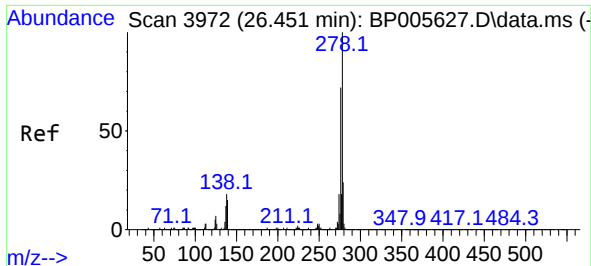


#90
Benzo(a)pyrene
Concen: 37.62 ng
RT: 23.774 min Scan# 3517
Delta R.T. 0.017 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04



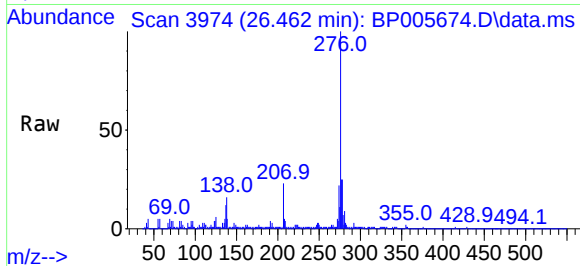
Tgt Ion:252 Resp: 4236102
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 8.9 3.8 5.6#





#91
Dibenzo(a,h)anthracene
Concen: 5.35 ng
RT: 26.462 min Scan# 3974
Delta R.T. 0.012 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

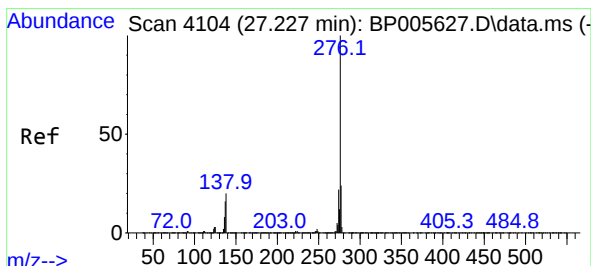
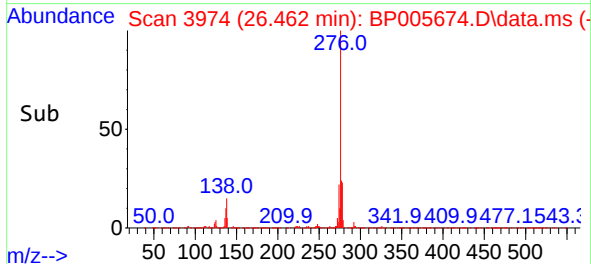
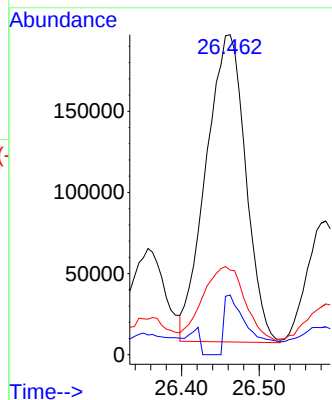
Instrument :
BNA_P
ClientSampled :
18-B4(4-6)



Tgt Ion:278 Resp: 674042
Ion Ratio Lower Upper
278 100
139 18.7 5.0 7.6#
279 26.5 18.6 28.0

Manual Integrations
APPROVED

mohammad
6/3/2021 11:08:26 AM



#92
Benzo(g,h,i)perylene
Concen: 22.16 ng
RT: 27.251 min Scan# 4108
Delta R.T. 0.023 min
Lab File: BP005674.D
Acq: 02 Jun 2021 20:04

Tgt Ion:276 Resp: 2692151
Ion Ratio Lower Upper
276 100
277 25.1 19.8 29.8
138 16.4 7.7 11.5#

