

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
 Data File : BP009585.D
 Acq On : 29 Mar 2022 02:12
 Operator : CG/JU
 Sample : N2095-14 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-14-4.0-5.0

Quant Time: Mar 29 03:15:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 06:34:38 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/29/2022
 Supervised By :Jagrut Upadhyay 03/29/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	350631	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	1294609	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	796032	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1671814	20.000	ng	0.00
76) Chrysene-d12	21.298	240	1632256	20.000	ng	0.00
86) Perylene-d12	23.692	264	1826036	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1027325	51.155	ng	0.00
7) Phenol-d6	6.958	99	1245492	45.859	ng	0.00
23) Nitrobenzene-d5	8.922	82	799238	32.807	ng	-0.01
42) 2,4,6-Tribromophenol	15.916	330	528523	40.235	ng	0.00
45) 2-Fluorobiphenyl	13.034	172	1846918	32.164	ng	0.00
79) Terphenyl-d14	19.757	244	2872746	31.590	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.222	178	1568499	17.527	ng	100
72) Anthracene	17.316	178	233549	2.643	ng	99
73) Carbazole	17.592	167	182126	2.108	ng	97
75) Fluoranthene	19.204	202	2453462	22.645	ng	99
78) Pyrene	19.557	202	2090908	19.440	ng	100
81) Benzo(a)anthracene	21.280	228	1009838	9.417	ng	97
83) Chrysene	21.333	228	1134557	11.173	ng	97
87) Indeno(1,2,3-cd)pyrene	26.192	276	756280	5.459	ng	# 93
88) Benzo(b)fluoranthene	22.968	252	1508276m	13.836	ng	
89) Benzo(k)fluoranthene	23.010	252	483583m	4.531	ng	
90) Benzo(a)pyrene	23.586	252	975948	10.464	ng	97
92) Benzo(g,h,i)perylene	26.951	276	758108	6.674	ng	97

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

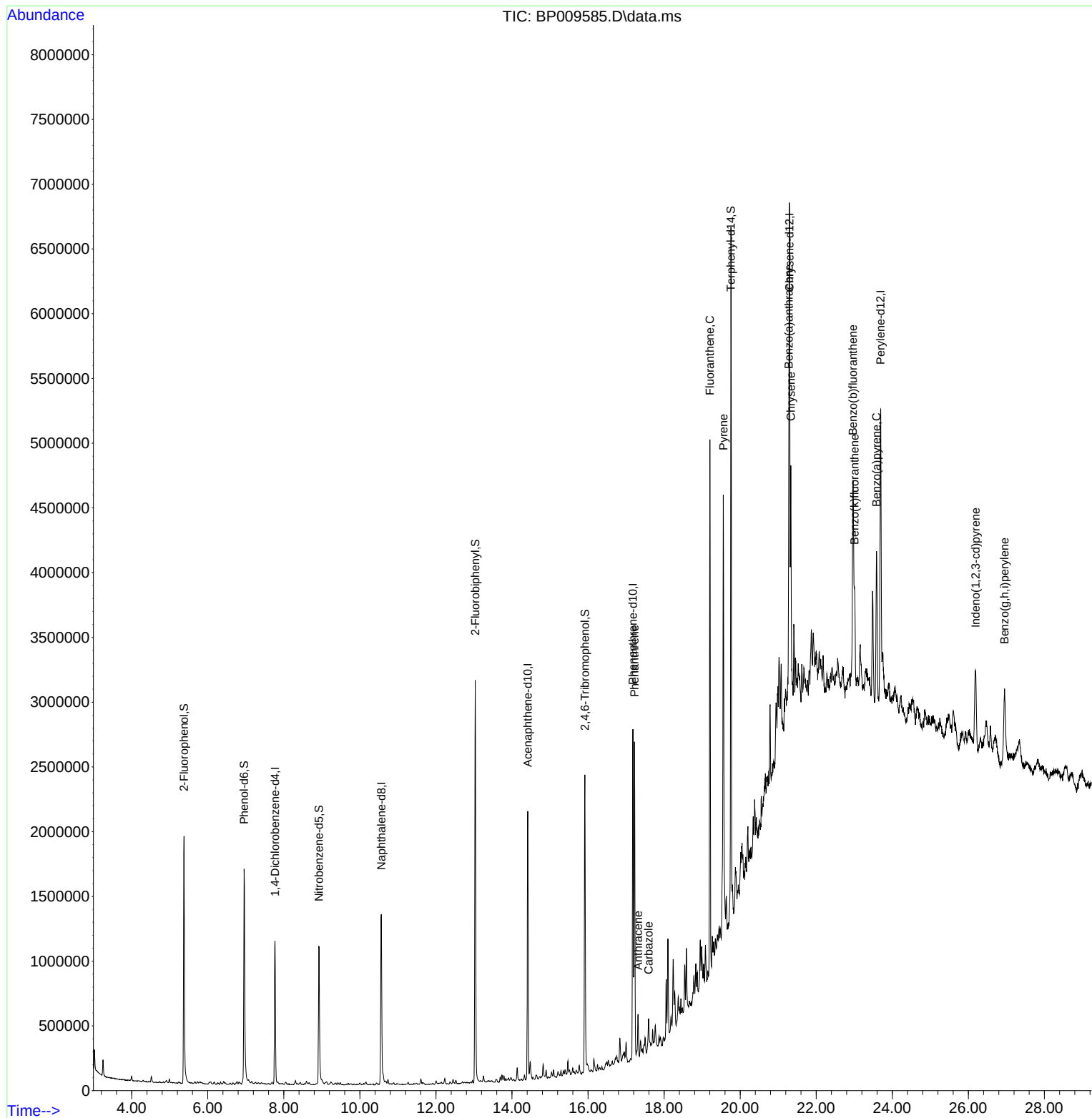
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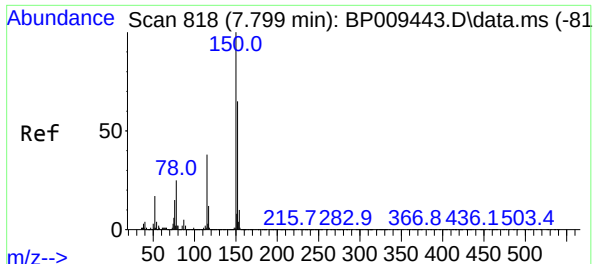
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Quant Time: Mar 29 03:15:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
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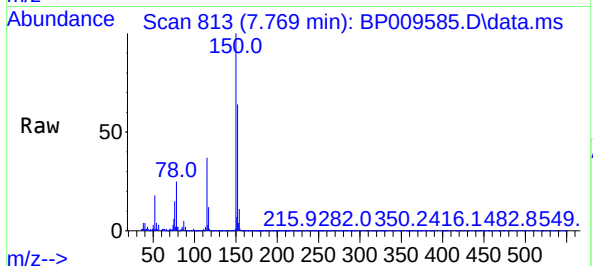
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

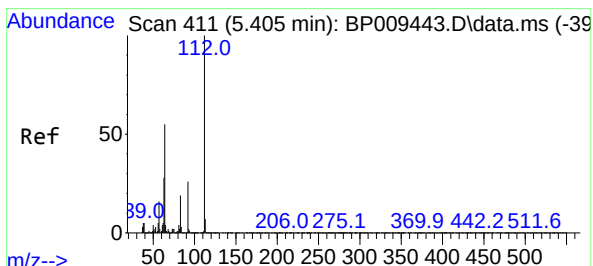
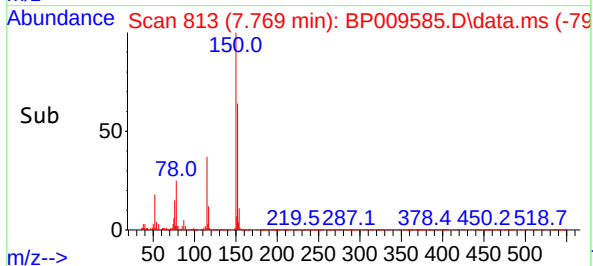
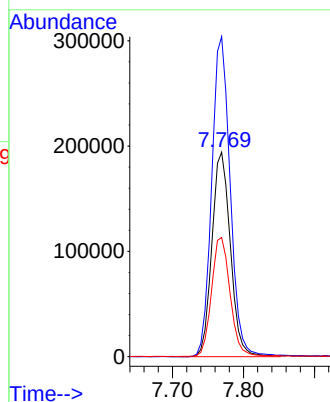
Instrument :
BNA_P
ClientSampleId :
SB-14-4.0-5.0



Tgt Ion:152 Resp: 35063
Ion Ratio Lower Upper
152 100
150 156.4 124.5 186.7
115 58.2 48.2 72.4

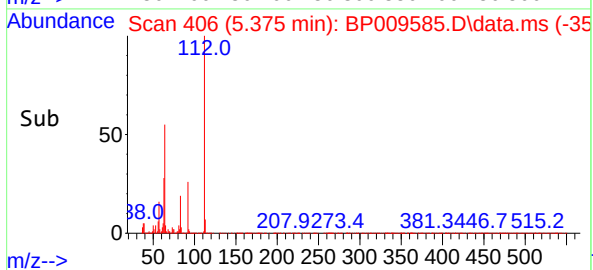
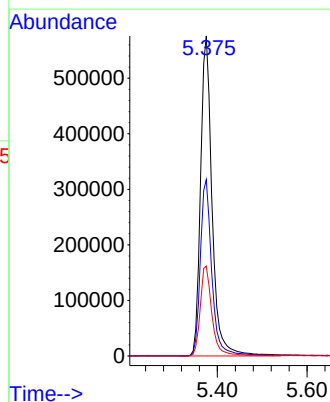
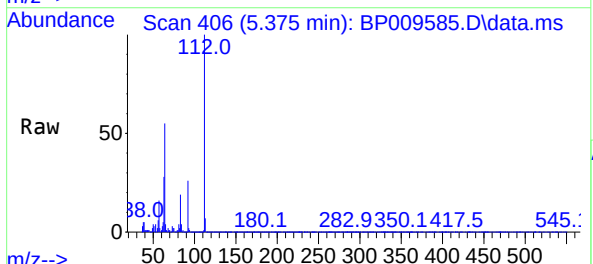
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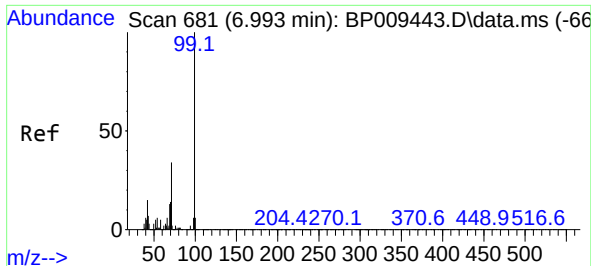
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#5
2-Fluorophenol
Concen: 51.155 ng
RT: 5.375 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

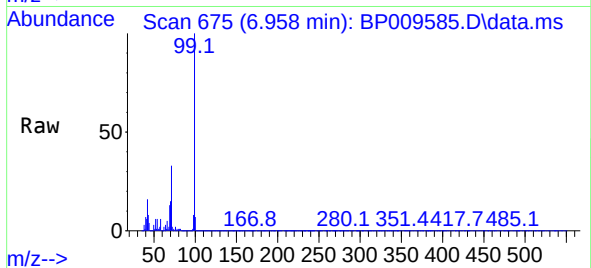
Tgt Ion:112 Resp: 1027325
Ion Ratio Lower Upper
112 100
64 55.1 45.0 67.4
63 28.0 23.0 34.6





#7
Phenol-d6
Concen: 45.859 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

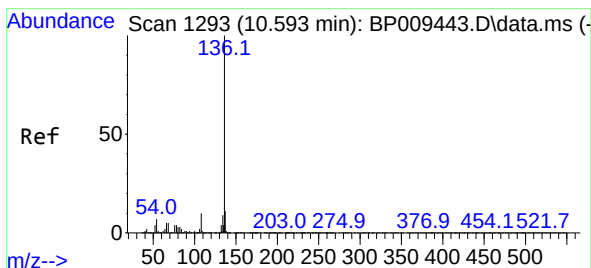
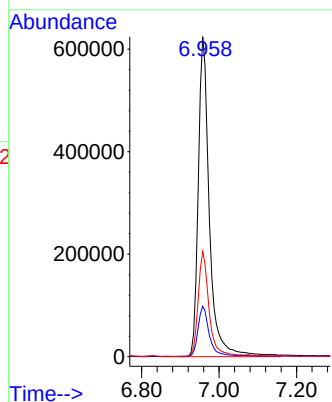
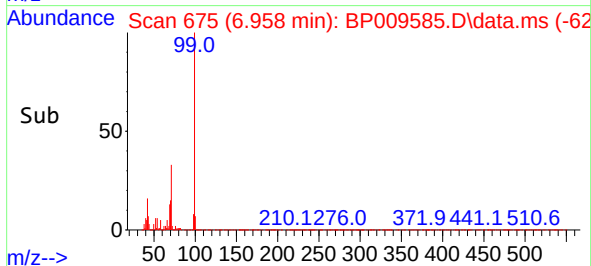
Instrument :
BNA_P
ClientSampleId :
SB-14-4.0-5.0



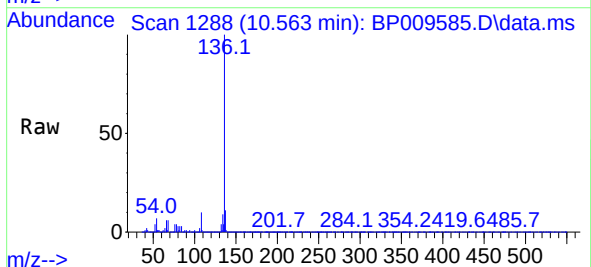
Tgt Ion: 99 Resp: 124549
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 32.8 26.3 39.5

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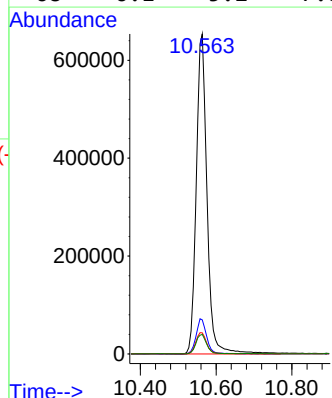
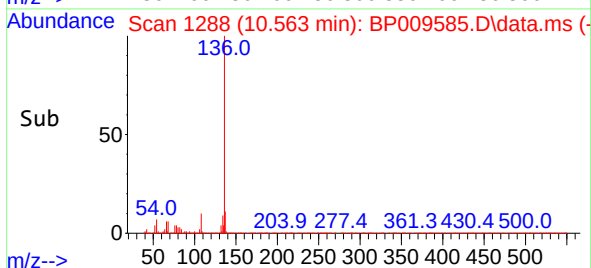
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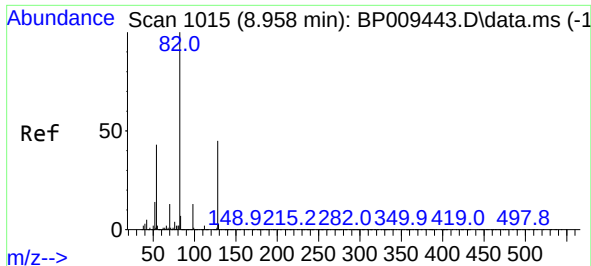


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12



Tgt Ion:136 Resp: 1294609
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.6 5.8 8.8
68 6.1 5.2 7.8





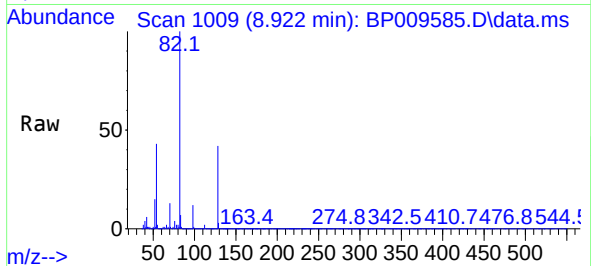
#23
Nitrobenzene-d5
Concen: 32.807 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Instrument :

BNA_P

ClientSampleId :

SB-14-4.0-5.0

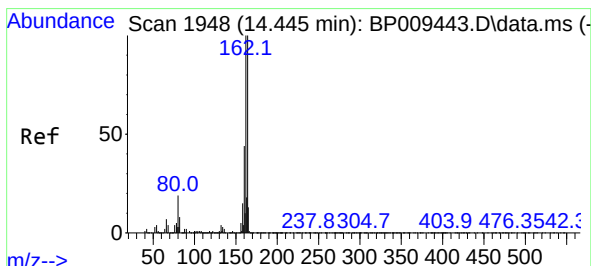
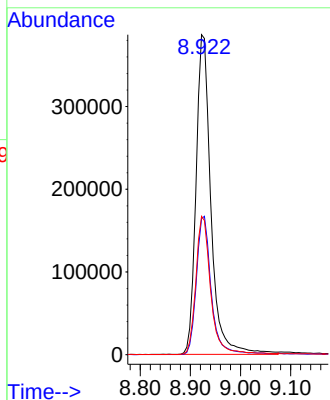
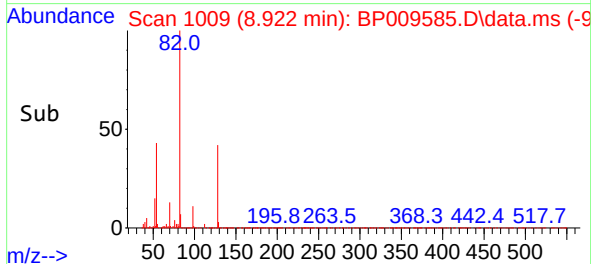


Tgt Ion: 82 Resp: 799238
Ion Ratio Lower Upper
82 100
128 42.5 34.2 51.4
54 43.2 34.7 52.1

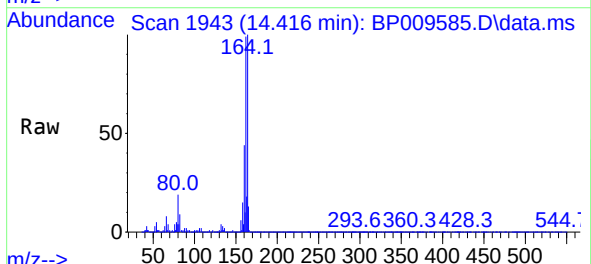
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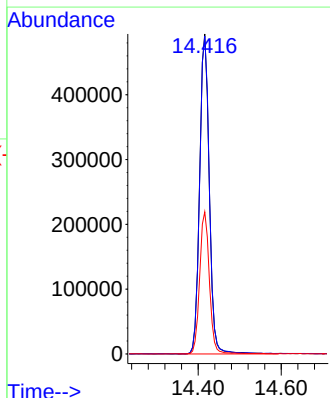
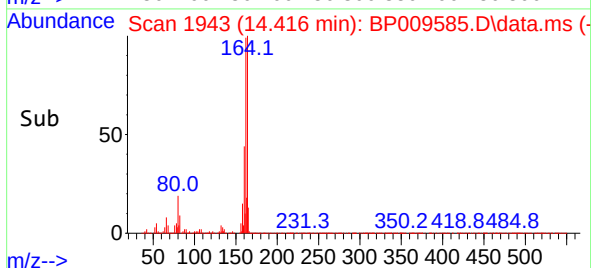
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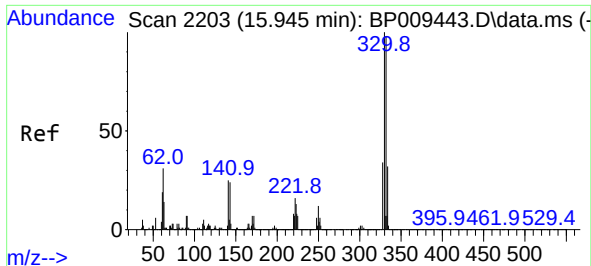


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12



Tgt Ion:164 Resp: 796032
Ion Ratio Lower Upper
164 100
162 99.4 79.1 118.7
160 44.4 34.9 52.3





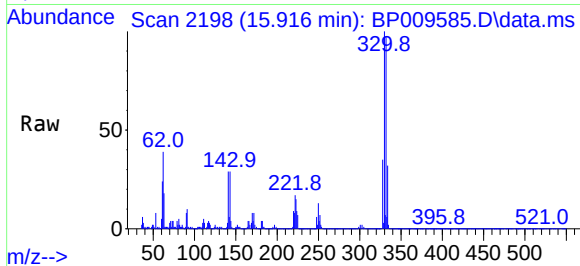
#42
2,4,6-Tribromophenol
Concen: 40.235 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Instrument :

BNA_P

ClientSampleId :

SB-14-4.0-5.0

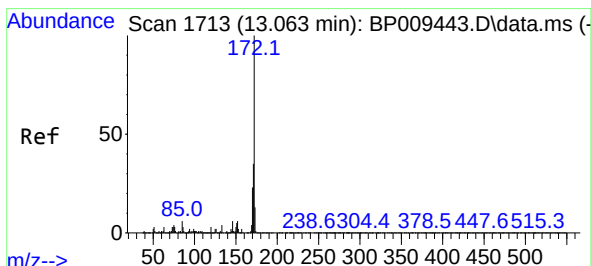
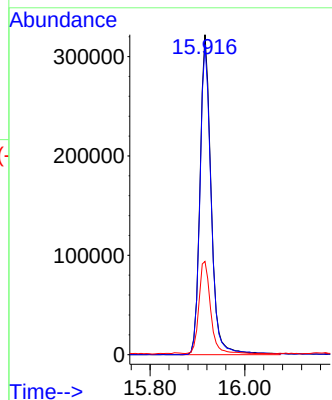
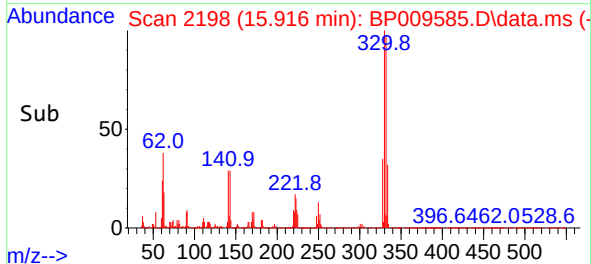


Tgt Ion:330 Resp: 52852
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 30.1 27.6 41.4

Manual Integrations

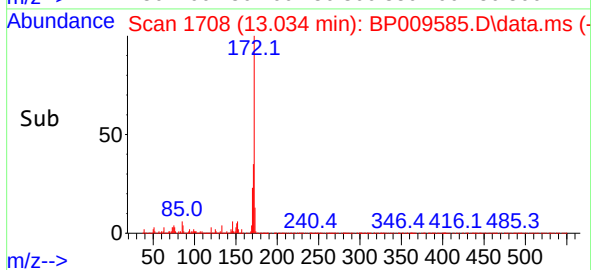
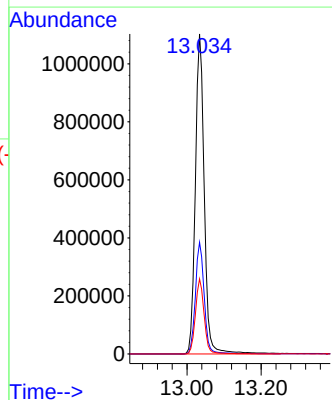
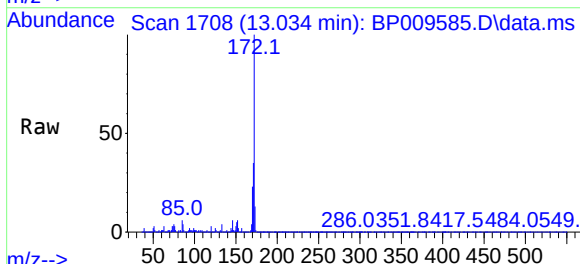
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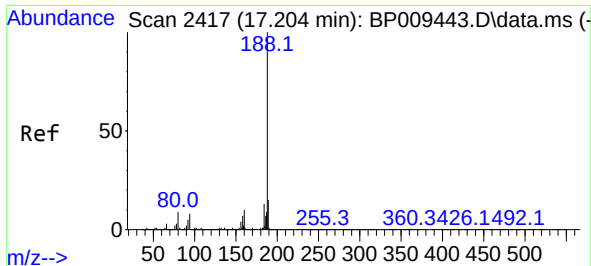
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#45
2-Fluorobiphenyl
Concen: 32.164 ng
RT: 13.034 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Tgt Ion:172 Resp: 1846918
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.5 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Instrument :

BNA_P

ClientSampleId :

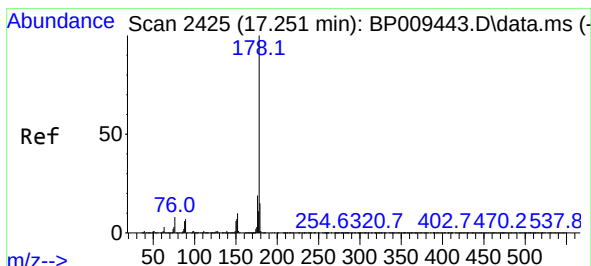
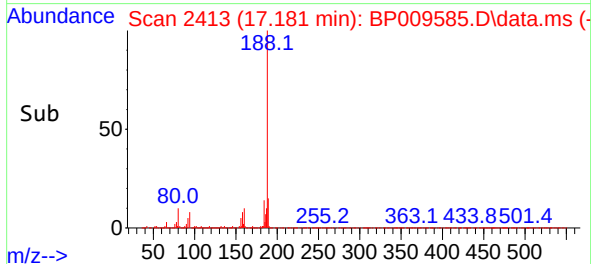
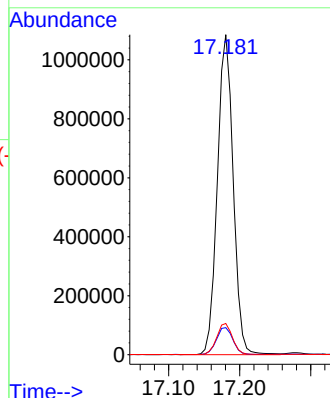
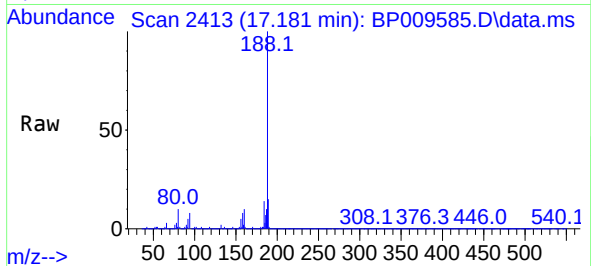
SB-14-4.0-5.0

Tgt Ion:188 Resp: 1671814
Ion Ratio Lower Upper
188 100
94 8.4 7.9 11.9
80 9.8 8.8 13.2

Manual Integrations

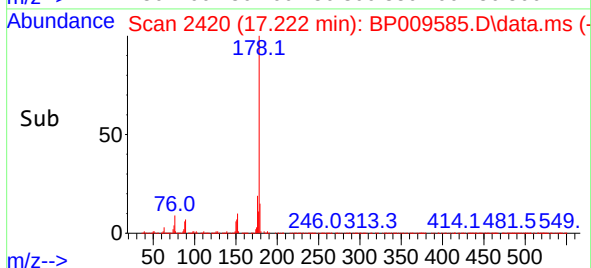
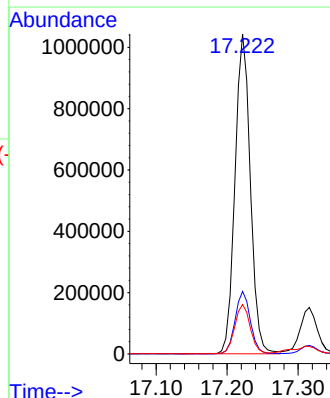
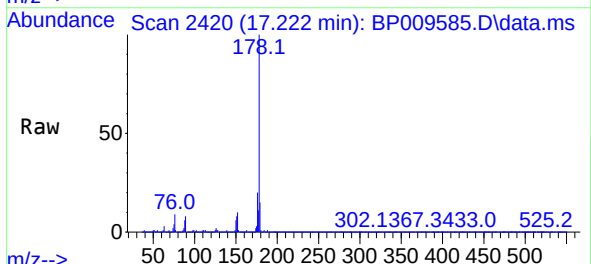
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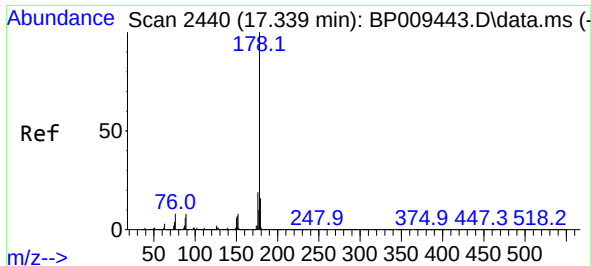
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#71
Phenanthrene
Concen: 17.527 ng
RT: 17.222 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

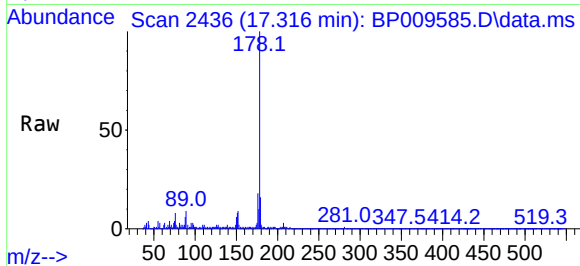
Tgt Ion:178 Resp: 1568499
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.4 12.3 18.5





#72
 Anthracene
 Concen: 2.643 ng
 RT: 17.316 min Scan# 2440
 Delta R.T. -0.000 min
 Lab File: BP009585.D
 Acq: 29 Mar 2022 02:12

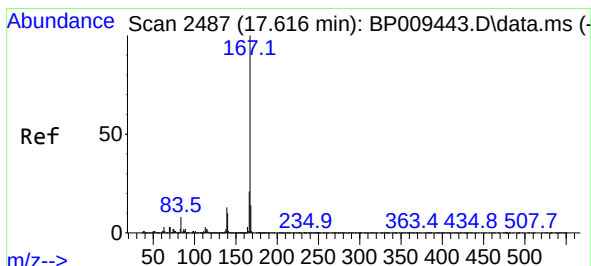
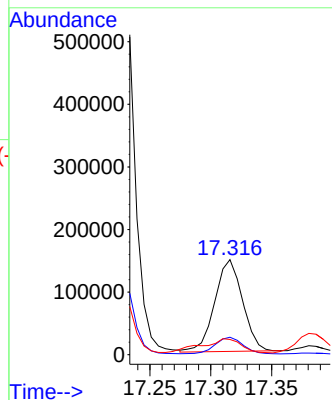
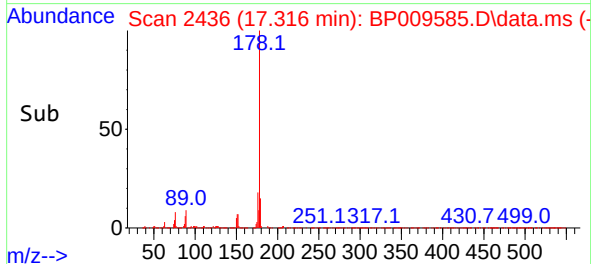
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Tgt Ion:178 Resp: 233549
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 15.9 12.2 18.4

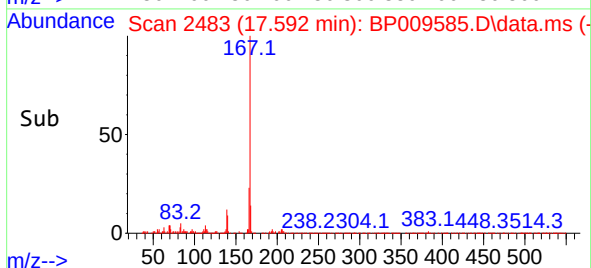
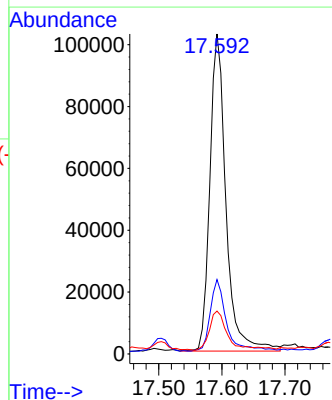
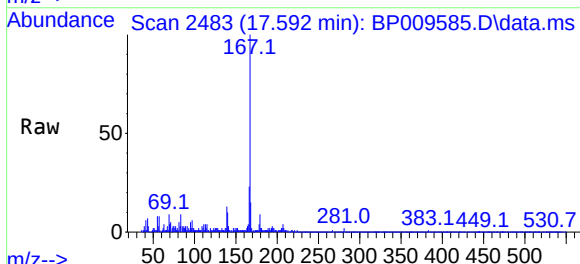
Manual Integrations
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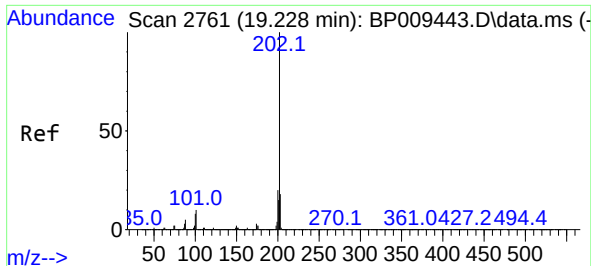
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 Supervised By :Jagrut Upadhyay 03/29/2022



#73
 Carbazole
 Concen: 2.108 ng
 RT: 17.592 min Scan# 2483
 Delta R.T. -0.000 min
 Lab File: BP009585.D
 Acq: 29 Mar 2022 02:12

Tgt Ion:167 Resp: 182126
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.2 25.8
 139 13.4 10.3 15.5





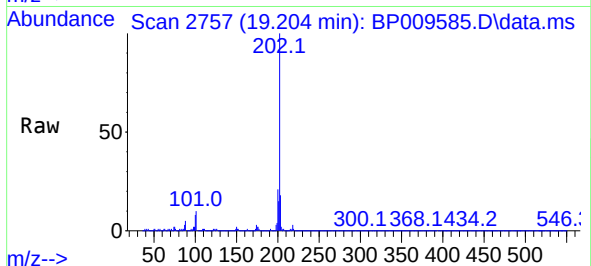
#75
Fluoranthene
Concen: 22.645 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Instrument :

BNA_P

ClientSampleId :

SB-14-4.0-5.0

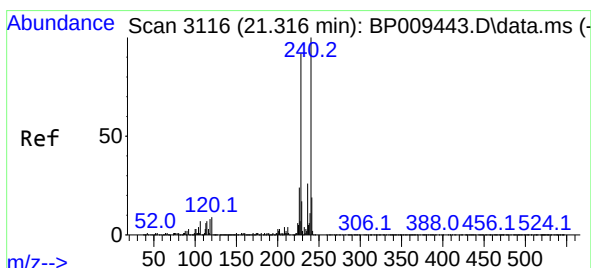
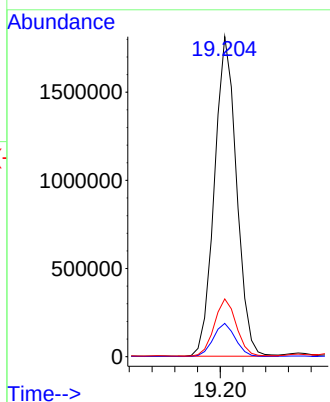
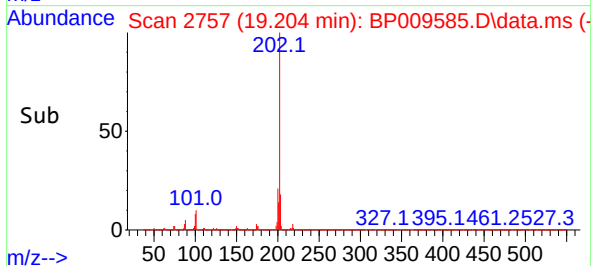


Tgt Ion:202 Resp: 245346
Ion Ratio Lower Upper
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101 10.4 0.0 31.5
203 18.1 0.0 37.8

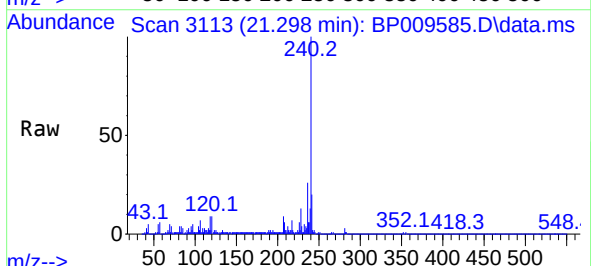
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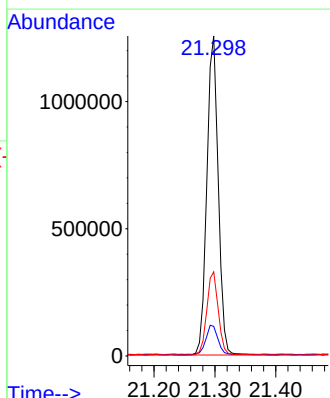
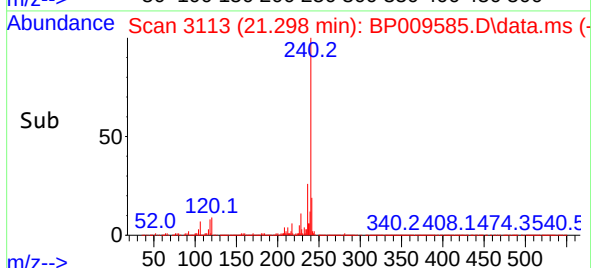
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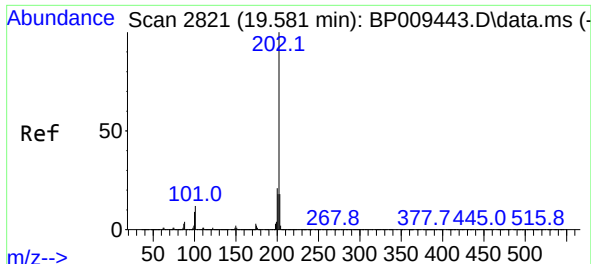


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12



Tgt Ion:240 Resp: 1632256
Ion Ratio Lower Upper
240 100
120 9.3 9.0 13.4
236 26.3 20.6 30.8





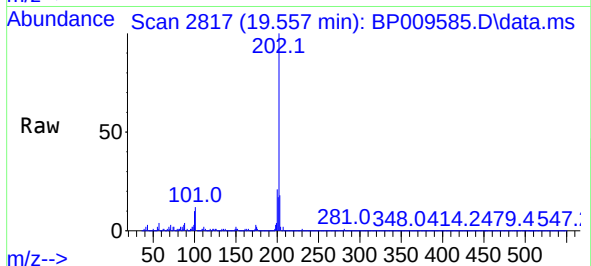
#78
Pyrene
Concen: 19.440 ng
RT: 19.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Instrument :

BNA_P

ClientSampleId :

SB-14-4.0-5.0

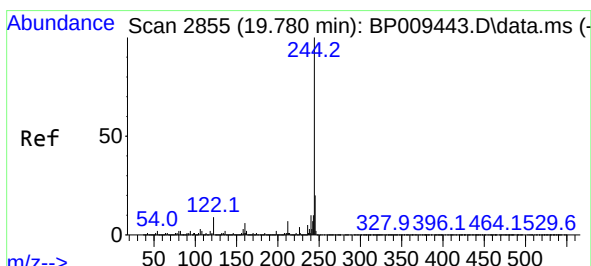
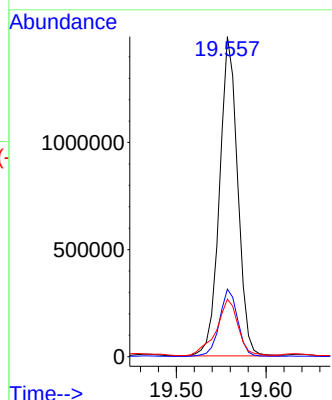
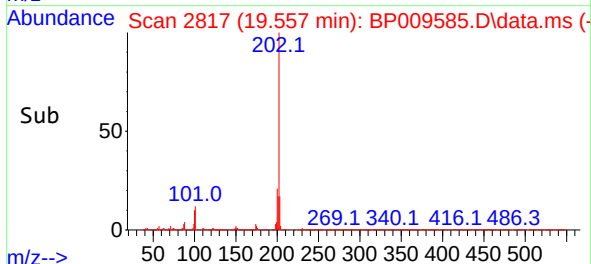


Tgt Ion:202 Resp: 2090908
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.0 14.2 21.4

Manual Integrations

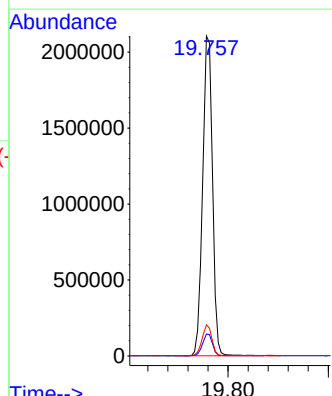
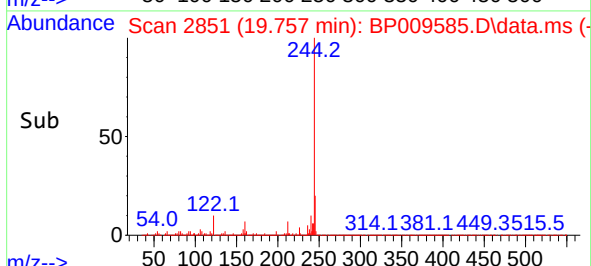
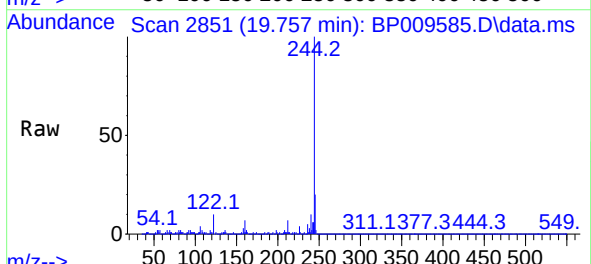
APPROVED

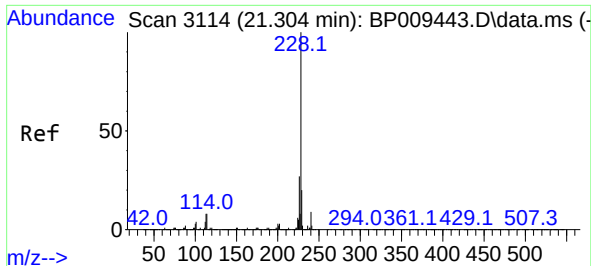
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#79
Terphenyl-d14
Concen: 31.590 ng
RT: 19.757 min Scan# 2851
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

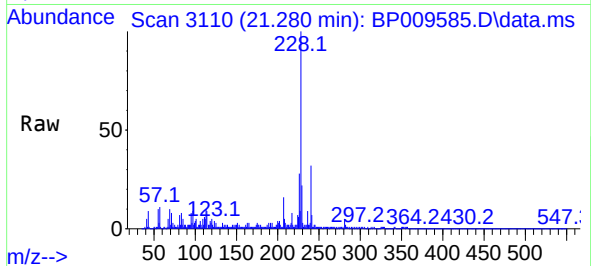
Tgt Ion:244 Resp: 2872746
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.6
122 9.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 9.417 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

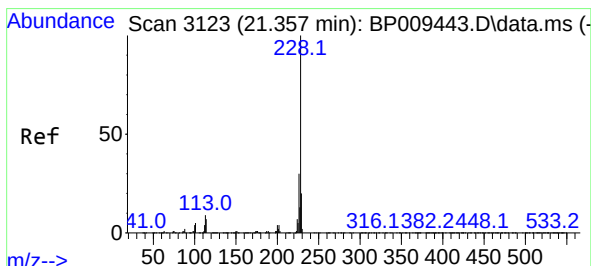
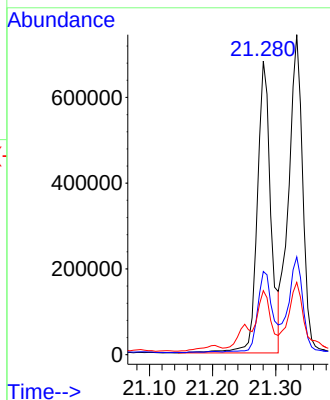
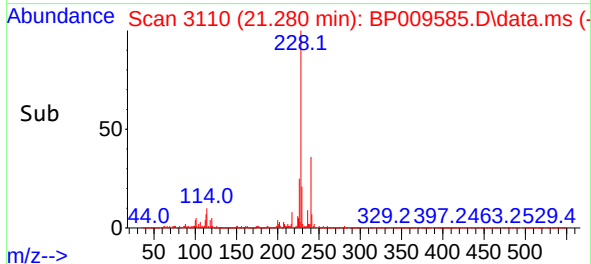
Instrument :
BNA_P
ClientSampleId :
SB-14-4.0-5.0



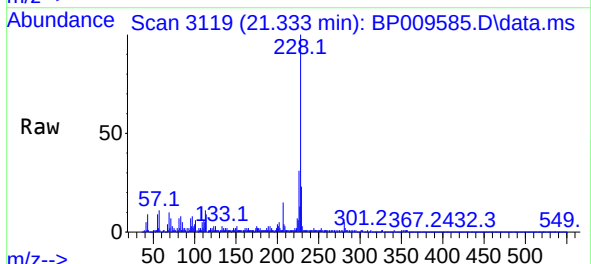
Tgt Ion:228 Resp: 1009838
Ion Ratio Lower Upper
228 100
226 28.4 22.0 33.0
229 21.8 16.1 24.1

Manual Integrations
APPROVED

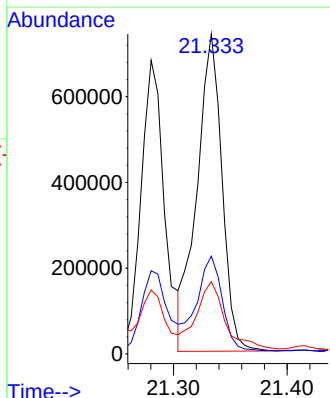
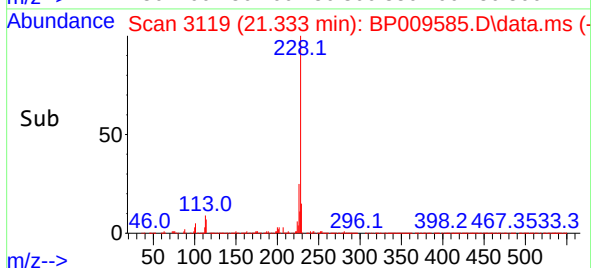
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

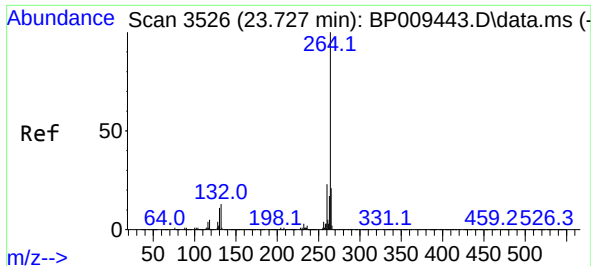


#83
Chrysene
Concen: 11.173 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12



Tgt Ion:228 Resp: 1134557
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 22.6 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.692 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Instrument :

BNA_P

ClientSampleId :

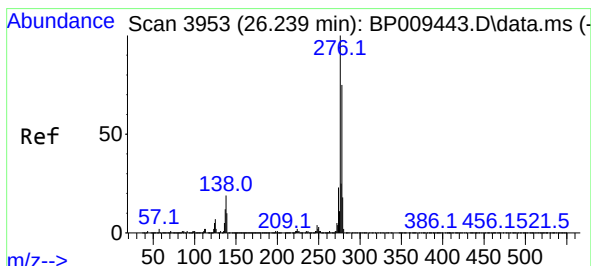
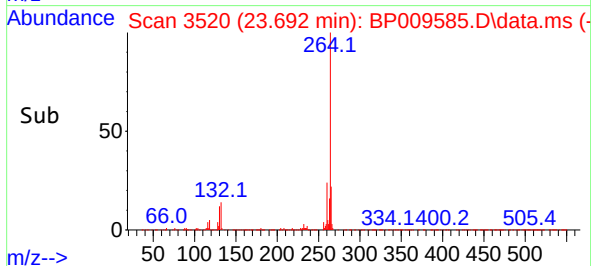
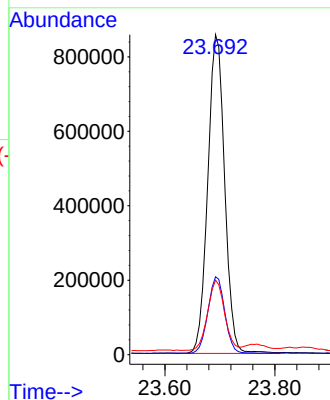
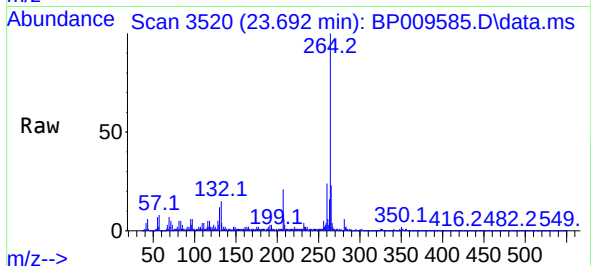
SB-14-4.0-5.0

Tgt Ion:264 Resp: 1826030
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.0
265 23.3 17.2 25.8

Manual Integrations

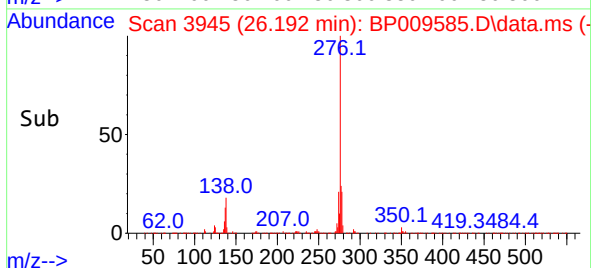
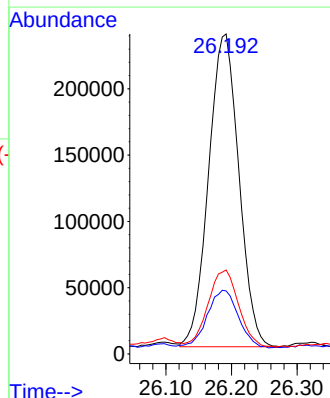
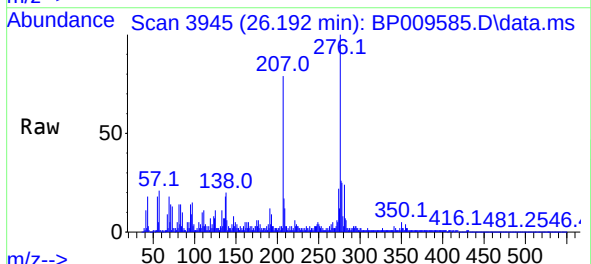
APPROVED

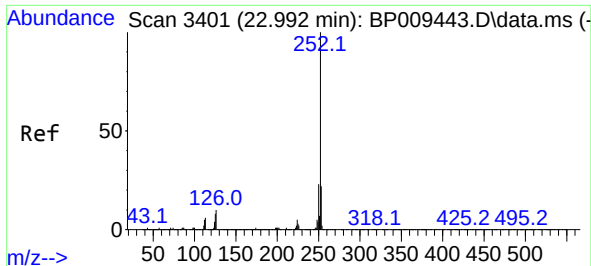
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.459 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

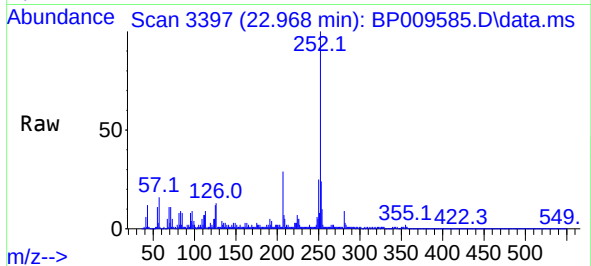
Tgt Ion:276 Resp: 756280
Ion Ratio Lower Upper
276 100
138 18.8 20.5 30.7#
277 25.1 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 13.836 ng m
RT: 22.968 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

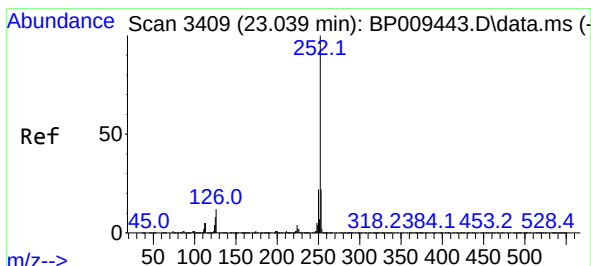
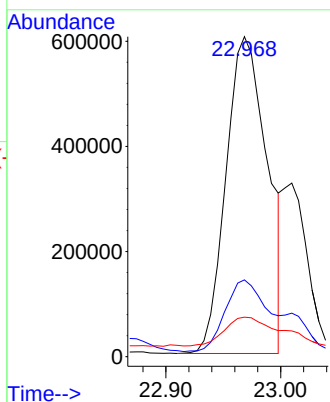
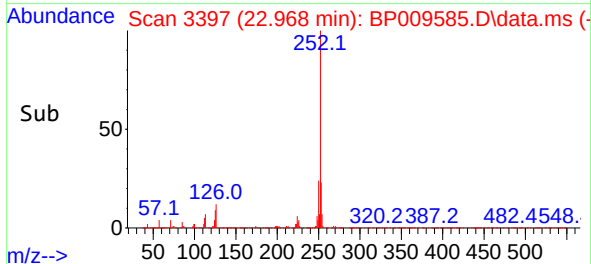
Instrument :
BNA_P
ClientSampleId :
SB-14-4.0-5.0



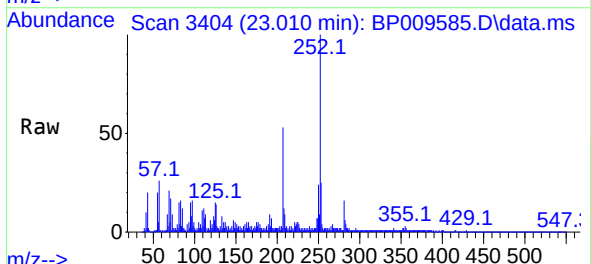
Tgt Ion:252 Resp: 1508270
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 12.4 8.1 12.1

Manual Integrations
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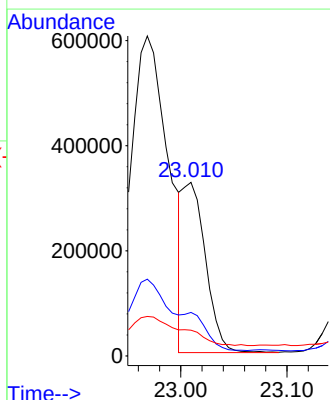
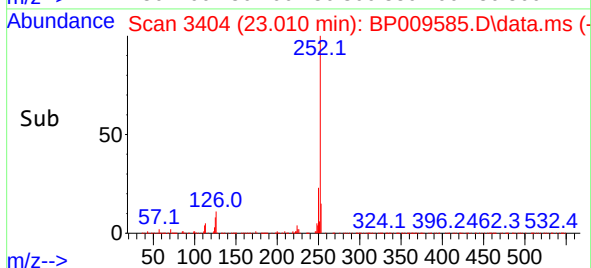
Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022

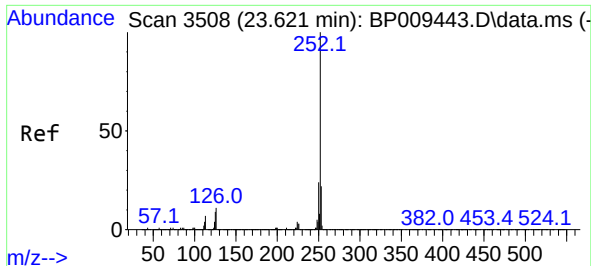


#89
Benzo(k)fluoranthene
Concen: 4.531 ng m
RT: 23.010 min Scan# 3404
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12



Tgt Ion:252 Resp: 483583
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 14.8 8.3 12.5





#90
Benzo(a)pyrene
Concen: 10.464 ng
RT: 23.586 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Instrument :

BNA_P

ClientSampleId :

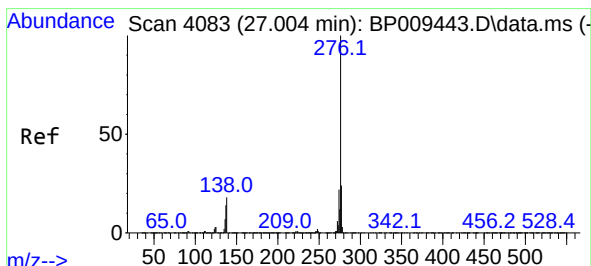
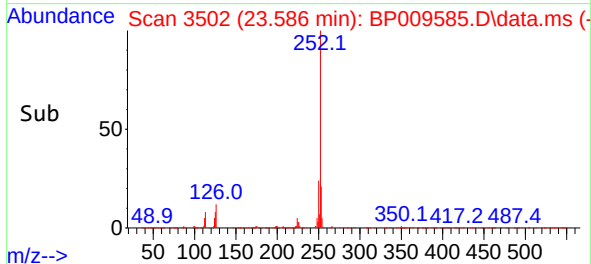
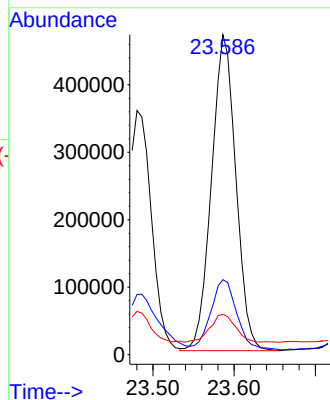
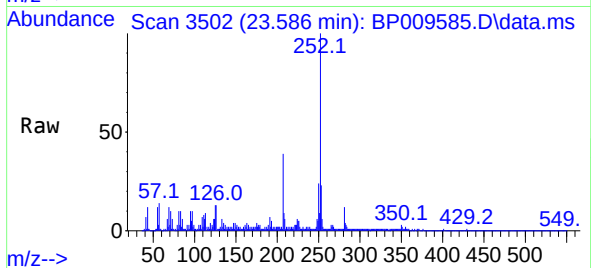
SB-14-4.0-5.0

Tgt Ion:252 Resp: 975948
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 12.6 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/29/2022
Supervised By :Jagrut Upadhyay 03/29/2022



#92
Benzo(g,h,i)perylene
Concen: 6.674 ng
RT: 26.951 min Scan# 4074
Delta R.T. -0.000 min
Lab File: BP009585.D
Acq: 29 Mar 2022 02:12

Tgt Ion:276 Resp: 758108
Ion Ratio Lower Upper
276 100
277 25.4 19.2 28.8
138 20.5 18.0 27.0

