

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
 Data File : BF128812.D
 Acq On : 14 Jun 2022 21:14
 Operator : CG\JU
 Sample : N3334-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/15/2022
 Supervised By : Jagrut Upadhyay 06/15/2022

Quant Time: Jun 15 01:02:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	61884	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	199242	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	95615	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	164418	20.000	ng	# 0.01
76) Chrysene-d12	14.004	240	117769	20.000	ng	# 0.04
86) Perylene-d12	15.486	264	89362	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	178482	45.939	ng	0.00
7) Phenol-d6	6.434	99	370466	78.116	ng	0.00
23) Nitrobenzene-d5	7.345	82	286159	66.869	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	17907	15.851	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	436023	63.879	ng	0.00
79) Terphenyl-d14	12.933	244	432483	63.811	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	8.092	128	110670	10.823	ng	# 85
37) 2-Methylnaphthalene	8.786	142	300561	46.213	ng	99
38) 1-Methylnaphthalene	8.886	142	263278	41.898	ng	100
46) 1,1'-Biphenyl	9.251	154	21328	2.973	ng	87
52) Acenaphthene	9.863	154	33504	6.139	ng	# 77
58) Fluorene	10.380	166	86774	14.265	ng	# 84
71) Phenanthrene	11.351	178	298327	36.175	ng	# 93
72) Anthracene	11.404	178	61503	7.535	ng	# 71
75) Fluoranthene	12.557	202	58922m	6.835	ng	
78) Pyrene	12.786	202	228080	26.031	ng	# 91
81) Benzo(a)anthracene	13.998	228	103526	14.103	ng	# 54
83) Chrysene	14.033	228	155439	22.210	ng	# 71
88) Benzo(b)fluoranthene	15.057	252	38303m	6.708	ng	
90) Benzo(a)pyrene	15.421	252	43733	9.745	ng	# 1
92) Benzo(g,h,i)perylene	17.362	276	31529	7.121	ng	# 76

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

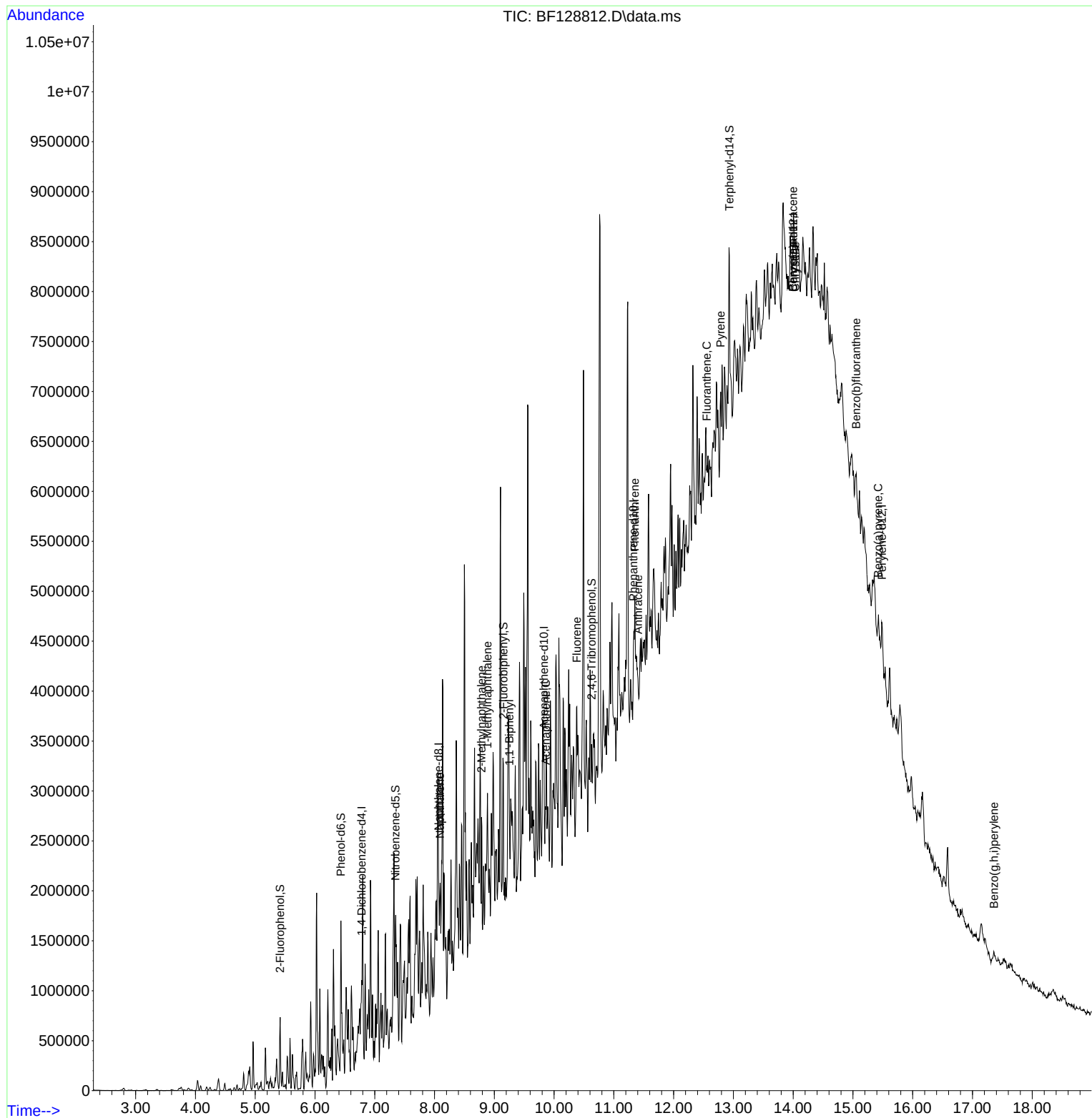
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061422\
Data File : BF128812.D
Acq On : 14 Jun 2022 21:14
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Sample : N3334-19
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ALS Vial : 16 Sample Multiplier: 1

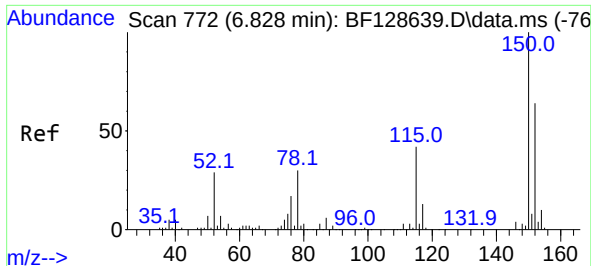
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-5

Quant Time: Jun 15 01:02:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 14 14:53:53 2022
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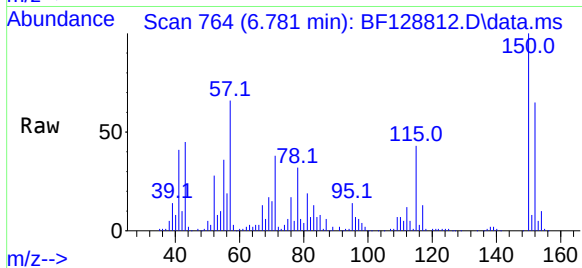
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-5

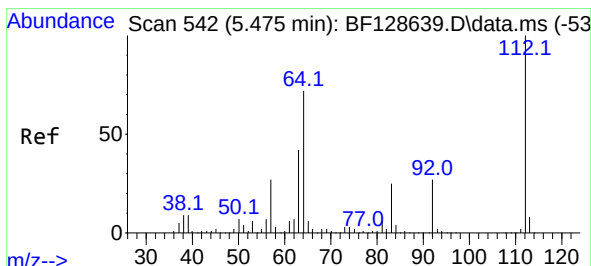
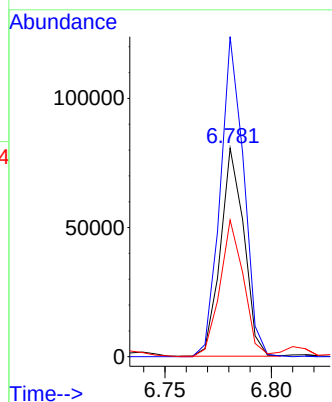
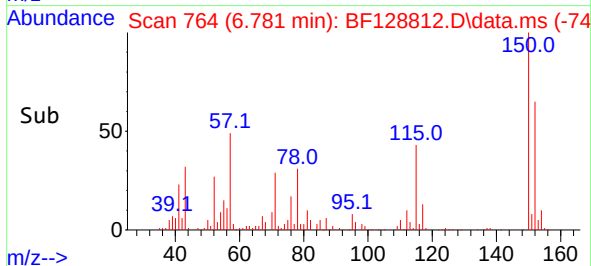


Tgt Ion:152 Resp: 61884
Ion Ratio Lower Upper
152 100
150 153.3 123.7 185.5
115 65.5 49.9 74.9

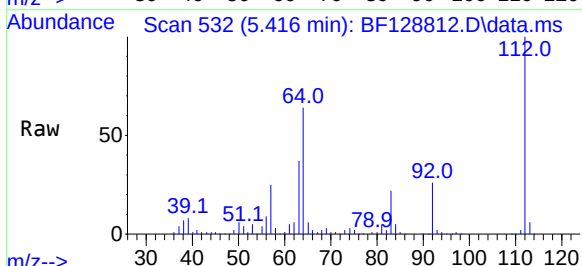
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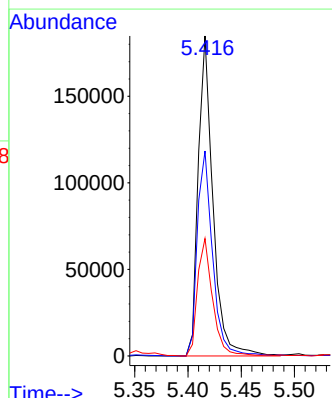
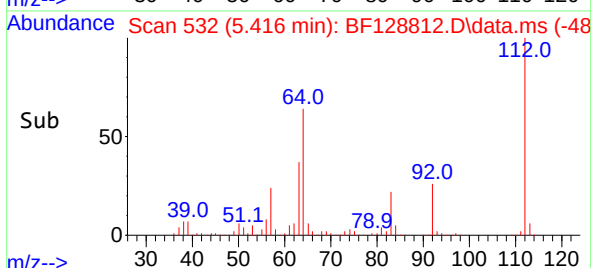
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

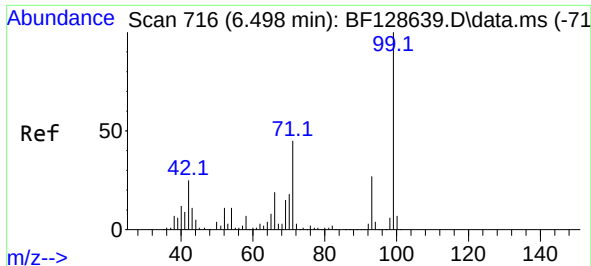


#5
2-Fluorophenol
Concen: 45.939 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



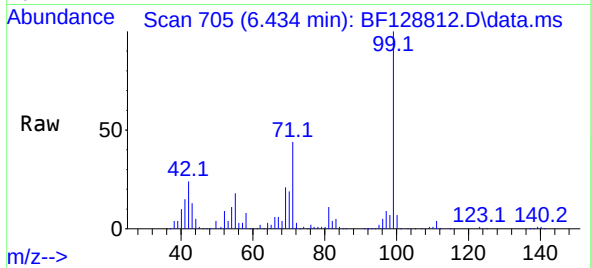
Tgt Ion:112 Resp: 178482
Ion Ratio Lower Upper
112 100
64 64.1 53.3 79.9
63 36.7 28.0 42.0





#7
Phenol-d6
Concen: 78.116 ng
RT: 6.434 min Scan# 705
Delta R.T. -0.006 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

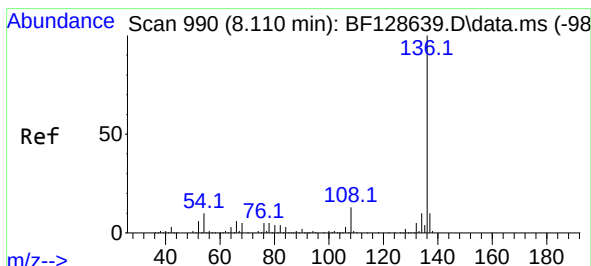
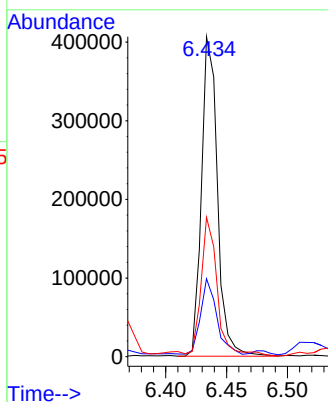
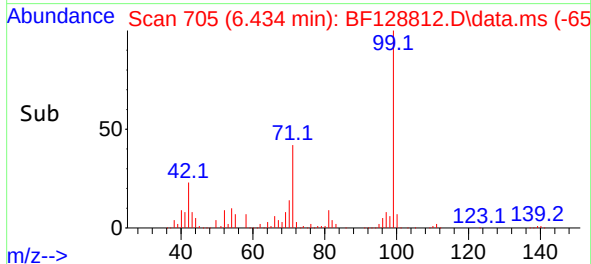
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BNA_F
ClientSampleId :
WC-14A-1A-5



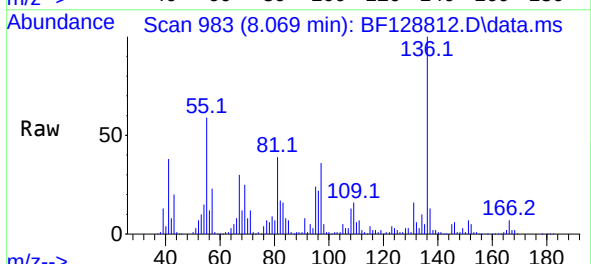
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Ion Ratio Lower Upper
99 100
42 24.4 17.3 25.9
71 43.6 28.9 43.3

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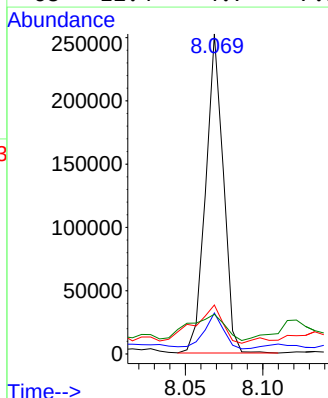
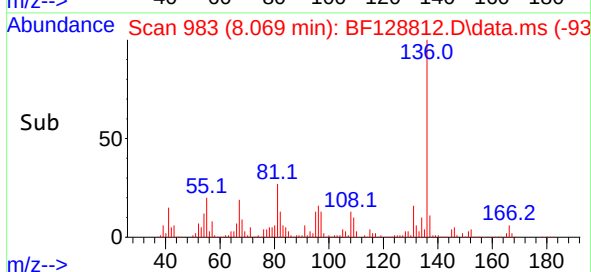
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

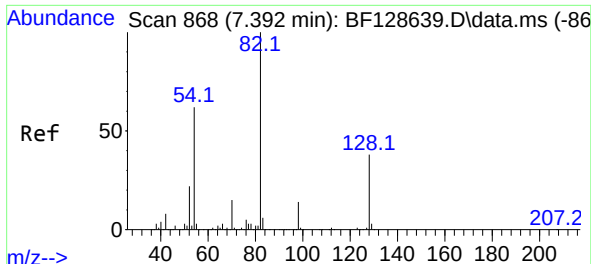


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



Tgt Ion:136 Resp: 199242
Ion Ratio Lower Upper
136 100
137 12.8 8.8 13.2
54 15.3 7.5 11.3#
68 12.4 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 66.869 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

Instrument :

BNA_F

ClientSampleId :

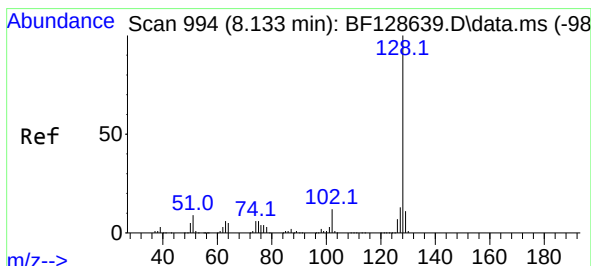
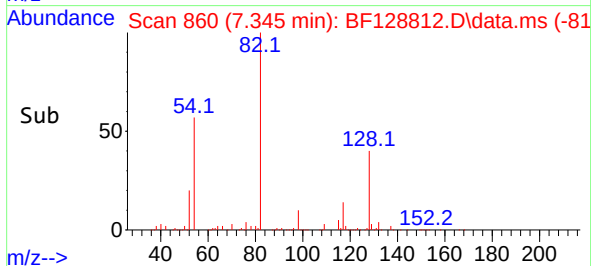
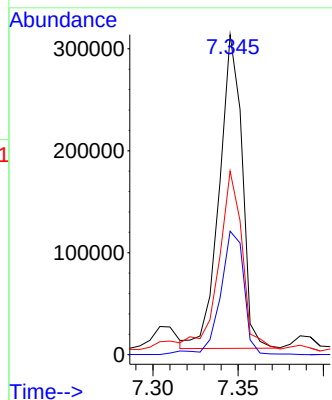
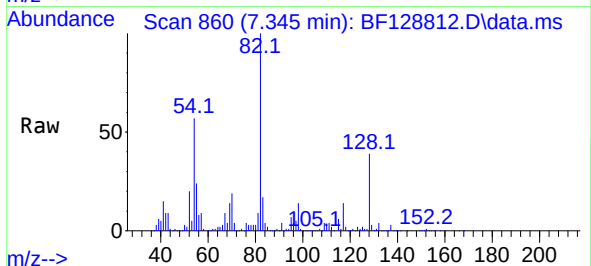
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Tgt Ion: 82 Resp: 286159
Ion Ratio Lower Upper
82 100
128 38.6 34.0 51.0
54 57.4 46.9 70.3

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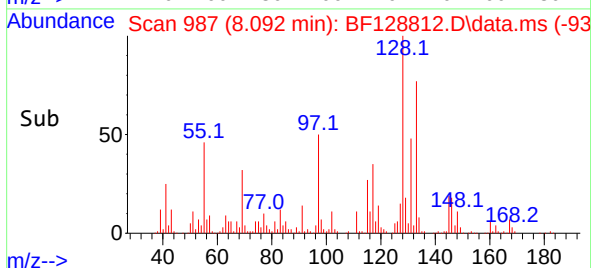
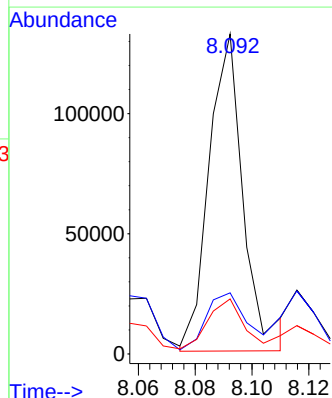
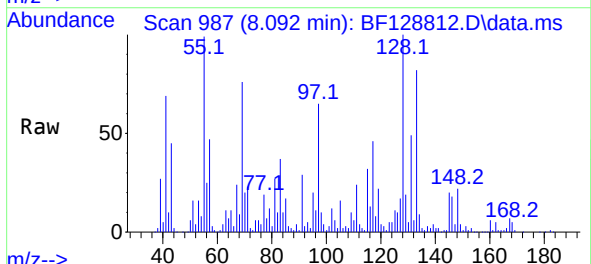
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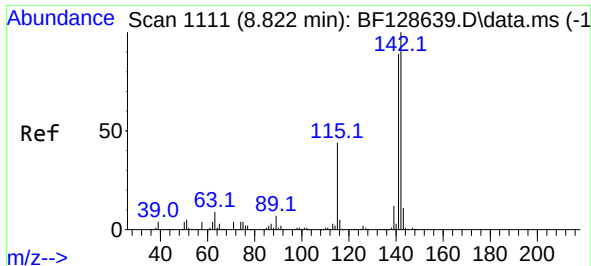
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022



#31
Naphthalene
Concen: 10.823 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.000 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

Tgt Ion:128 Resp: 110670
Ion Ratio Lower Upper
128 100
129 19.1 9.2 13.8#
127 17.2 10.5 15.7#





#37

2-Methylnaphthalene

Concen: 46.213 ng

RT: 8.786 min Scan# 1111

Delta R.T. 0.006 min

Lab File: BF128812.D

Acq: 14 Jun 2022 21:14

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-5

Tgt Ion:142 Resp: 30056

Ion Ratio Lower Upper

142 100

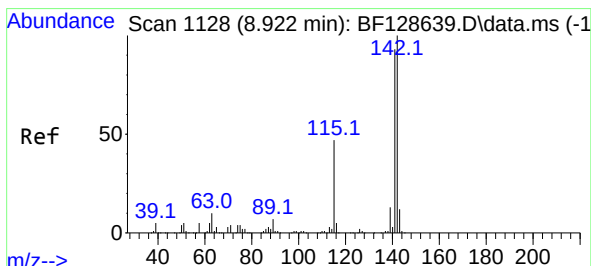
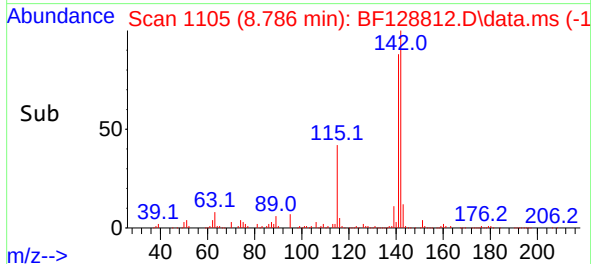
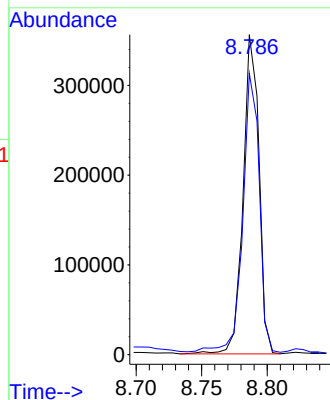
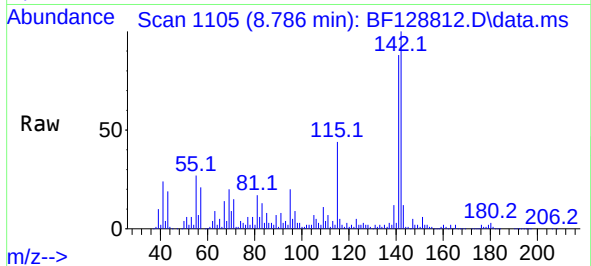
141 87.9 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 06/15/2022

Supervised By :Jagrut Upadhyay 06/15/2022



#38

1-Methylnaphthalene

Concen: 41.898 ng

RT: 8.886 min Scan# 1122

Delta R.T. 0.006 min

Lab File: BF128812.D

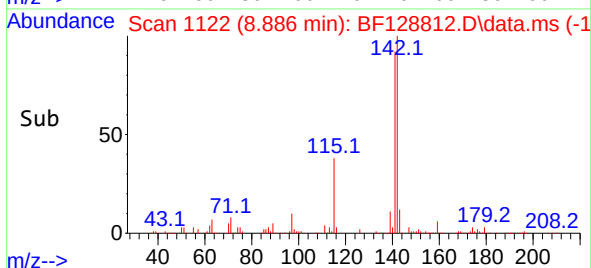
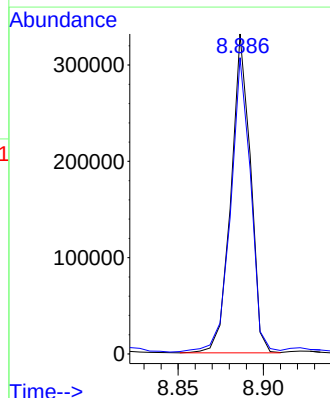
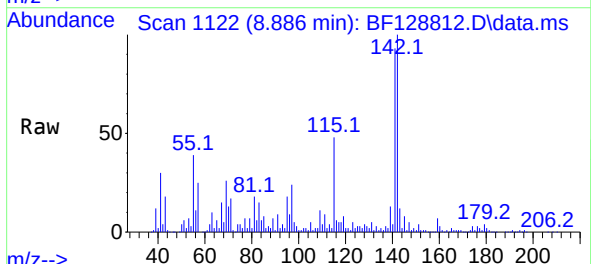
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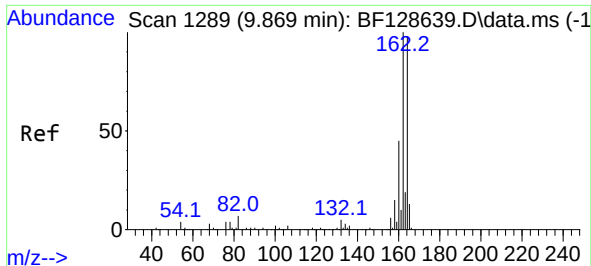
Tgt Ion:142 Resp: 263278

Ion Ratio Lower Upper

142 100

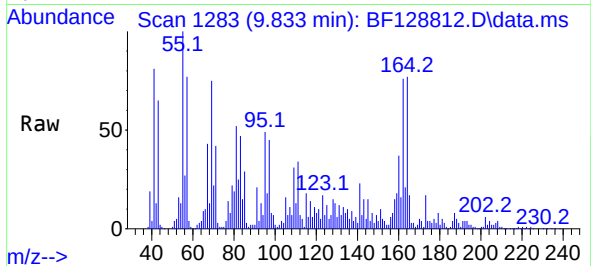
141 92.6 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

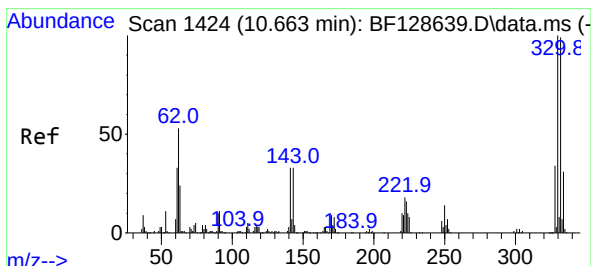
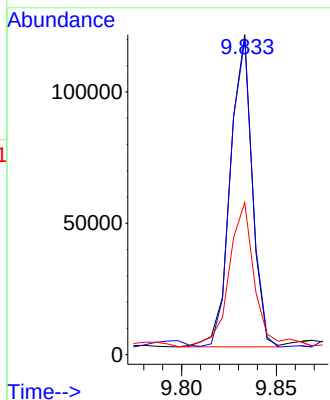
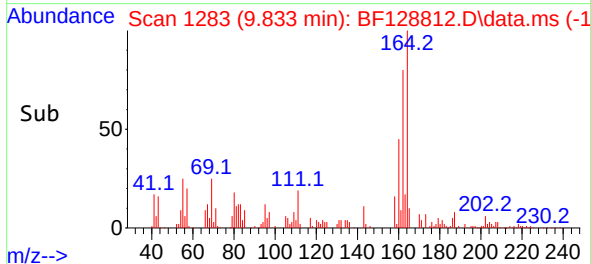
Instrument :
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ClientSampleId :
WC-14A-1A-5



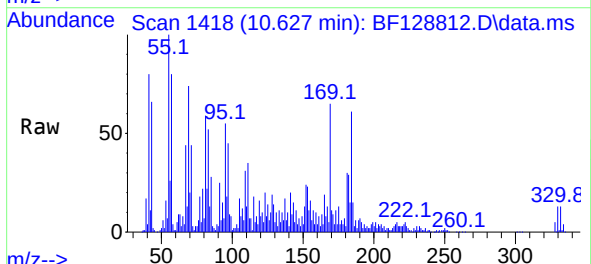
Tgt Ion:164 Resp: 9561
Ion Ratio Lower Upper
164 100
162 98.3 79.5 119.3
160 47.5 34.2 51.4

Manual Integrations
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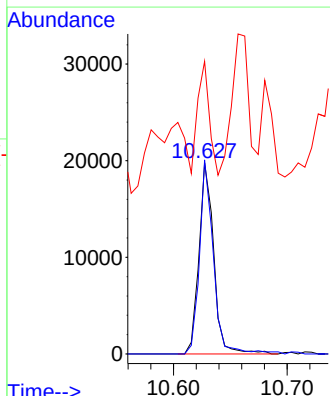
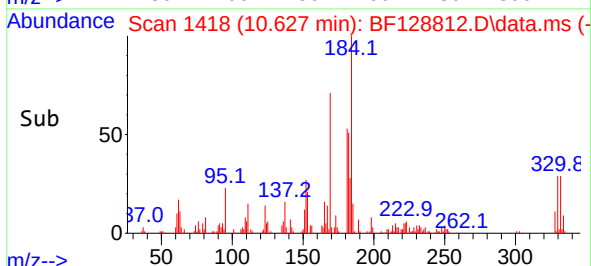
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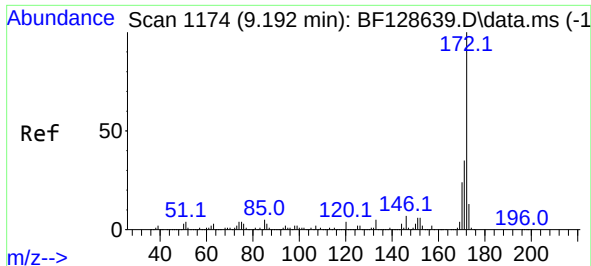


#42
2,4,6-Tribromophenol
Concen: 15.851 ng
RT: 10.627 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



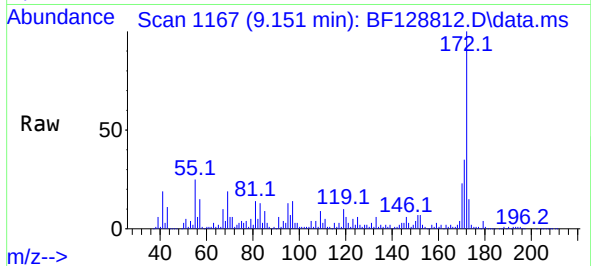
Tgt Ion:330 Resp: 17907
Ion Ratio Lower Upper
330 100
332 95.6 76.8 115.2
141 46.4 28.0 42.0#





#45
2-Fluorobiphenyl
Concen: 63.879 ng
RT: 9.151 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

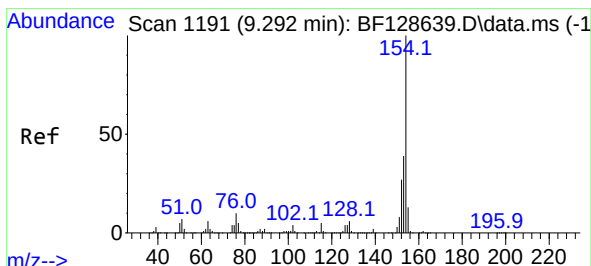
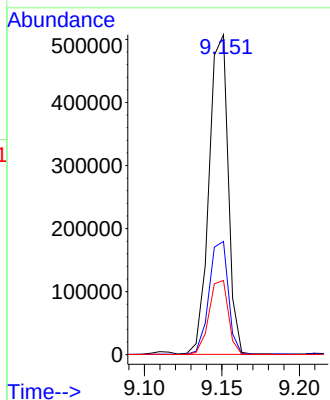
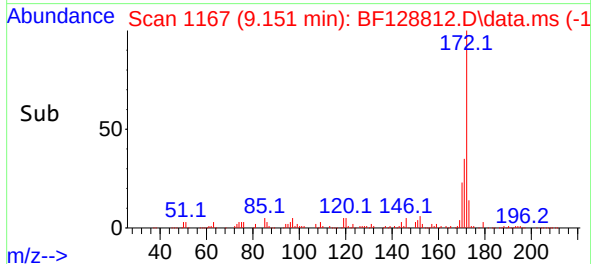
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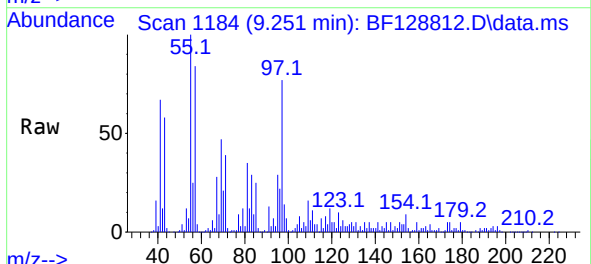
Tgt Ion:172 Resp: 43602
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.2 19.8 29.8

Manual Integrations
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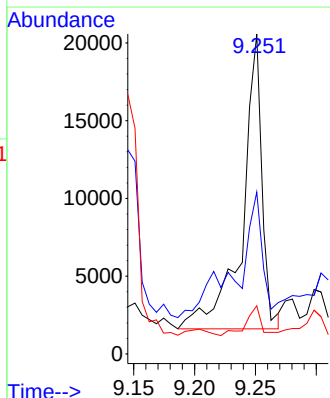
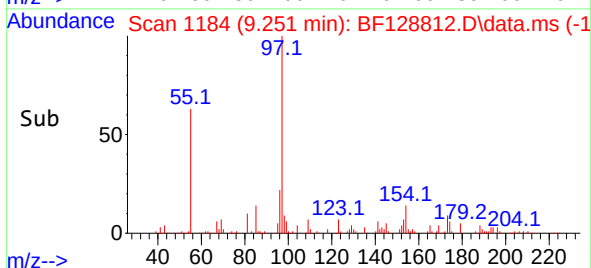
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

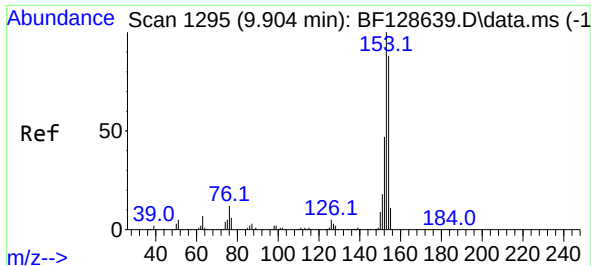


#46
1,1'-Biphenyl
Concen: 2.973 ng
RT: 9.251 min Scan# 1184
Delta R.T. 0.006 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



Tgt Ion:154 Resp: 21328
Ion Ratio Lower Upper
154 100
153 50.6 20.6 60.6
76 15.1 0.0 33.3





#52
Acenaphthene
Concen: 6.139 ng
RT: 9.863 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

Instrument :

BNA_F

ClientSampleId :

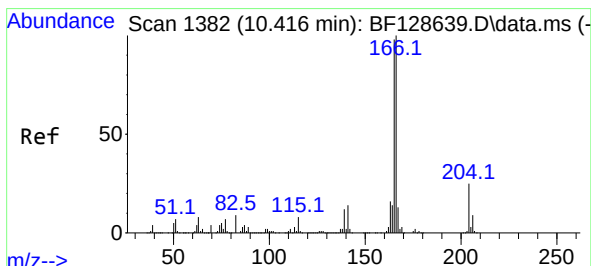
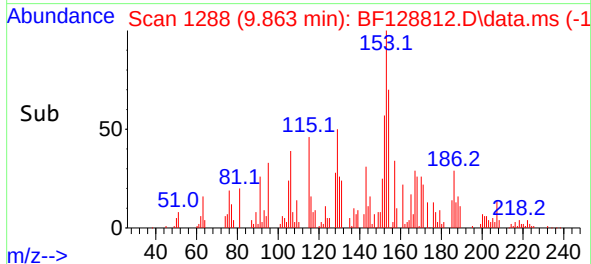
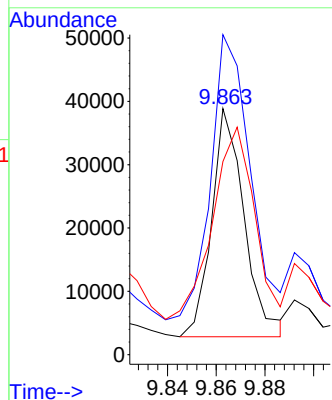
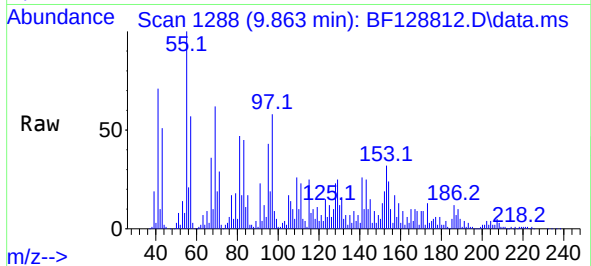
WC-14A-1A-5

Tgt Ion:154 Resp: 33504
Ion Ratio Lower Upper
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153 130.1 89.6 134.4
152 78.5 42.4 63.6

Manual Integrations

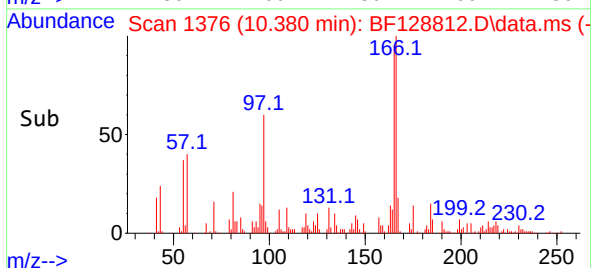
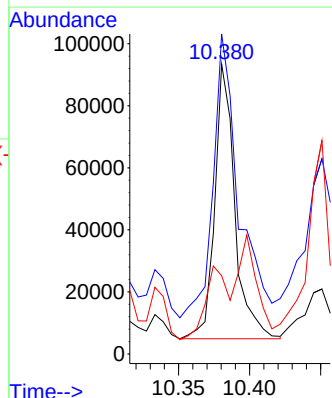
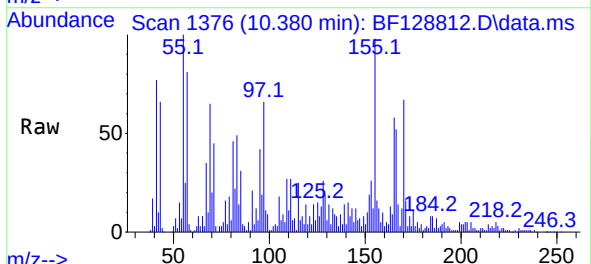
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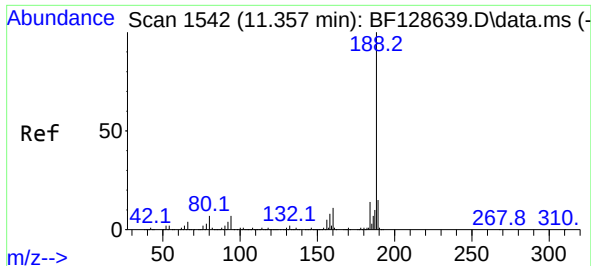
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022



#58
Fluorene
Concen: 14.265 ng
RT: 10.380 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

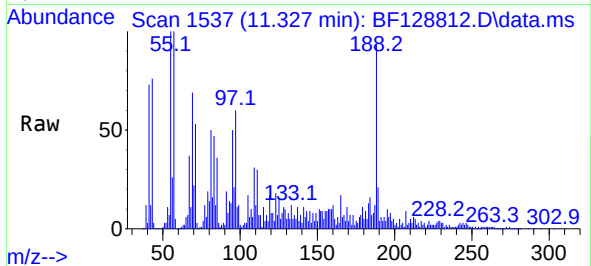
Tgt Ion:166 Resp: 86774
Ion Ratio Lower Upper
166 100
165 110.4 78.1 117.1
167 27.0 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

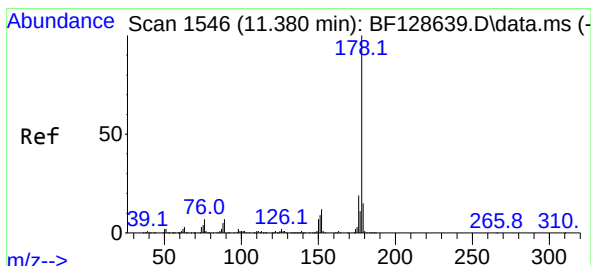
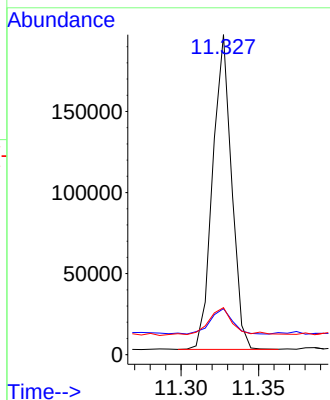
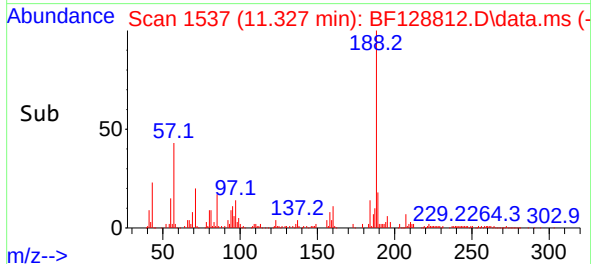
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-5



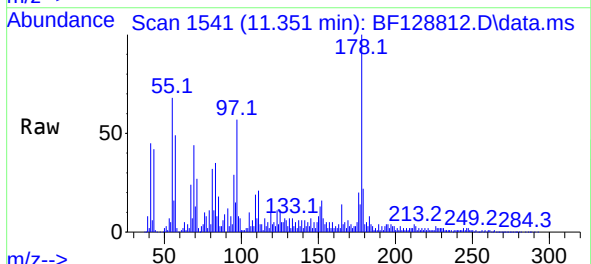
Tgt Ion:188 Resp: 164418
Ion Ratio Lower Upper
188 100
94 14.4 7.0 10.6
80 14.7 7.6 11.4

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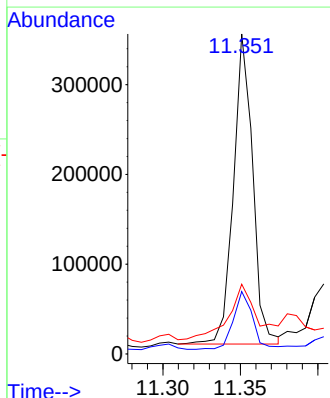
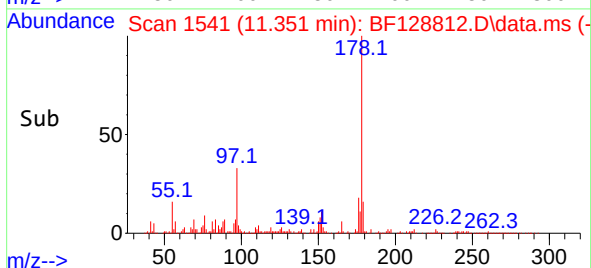
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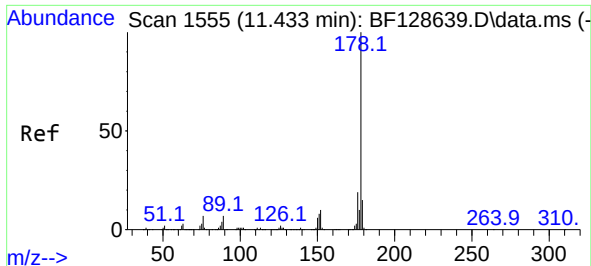


#71
Phenanthrene
Concen: 36.175 ng
RT: 11.351 min Scan# 1541
Delta R.T. 0.012 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



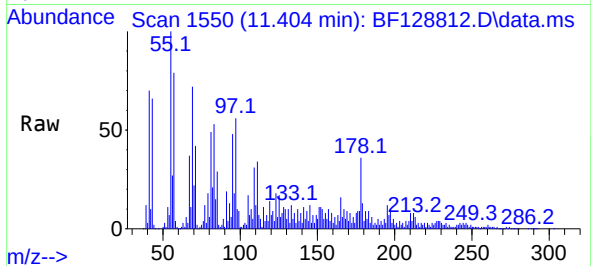
Tgt Ion:178 Resp: 298327
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 21.8 12.6 19.0





#72
 Anthracene
 Concen: 7.535 ng
 RT: 11.404 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF128812.D
 Acq: 14 Jun 2022 21:14

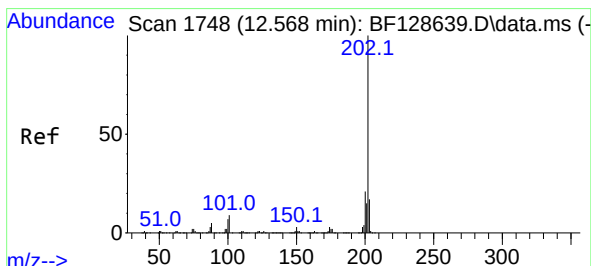
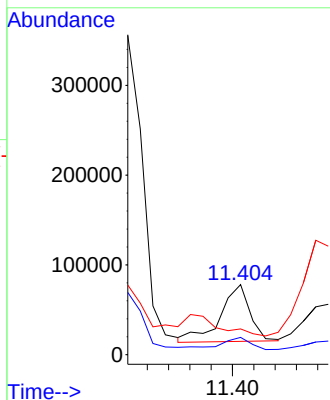
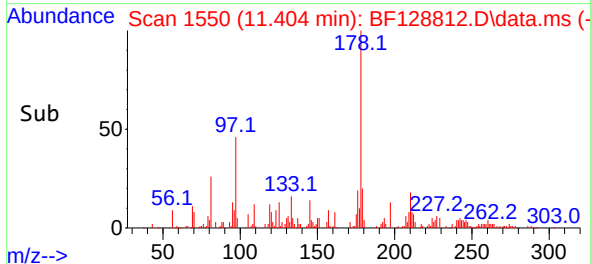
Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-5



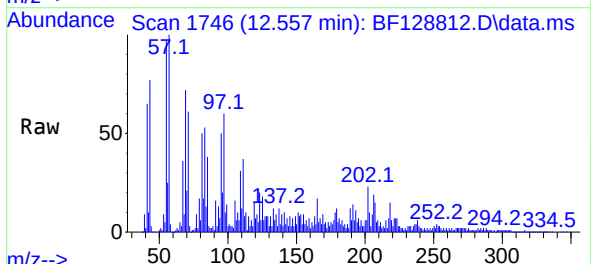
Tgt Ion:178 Resp: 61500
 Ion Ratio Lower Upper
 178 100
 176 24.7 15.4 23.2
 179 36.8 12.6 19.0

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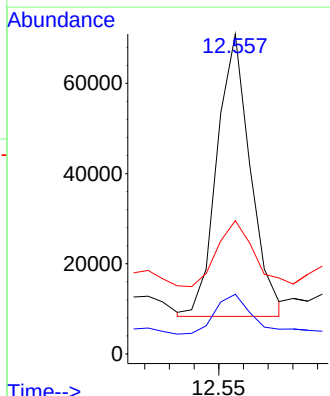
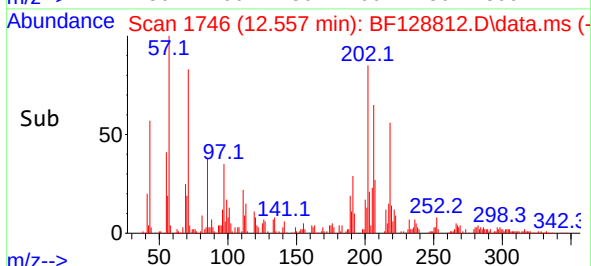
Reviewed By :Christian Giraldo 06/15/2022
 Supervised By :Jagrut Upadhyay 06/15/2022

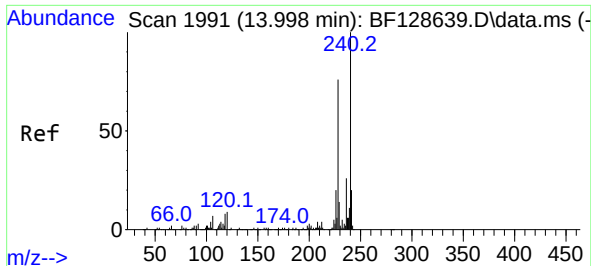


#75
 Fluoranthene
 Concen: 6.835 ng m
 RT: 12.557 min Scan# 1746
 Delta R.T. 0.029 min
 Lab File: BF128812.D
 Acq: 14 Jun 2022 21:14



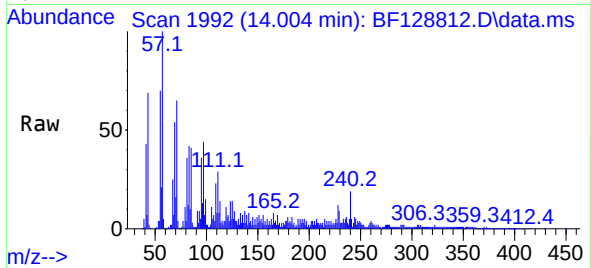
Tgt Ion:202 Resp: 58922
 Ion Ratio Lower Upper
 202 100
 101 18.7 0.0 31.4
 203 41.6 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.041 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

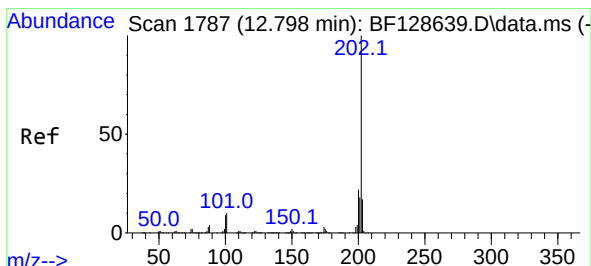
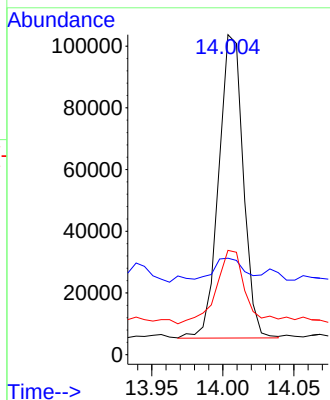
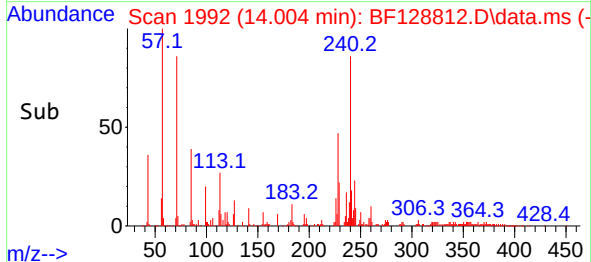
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-5



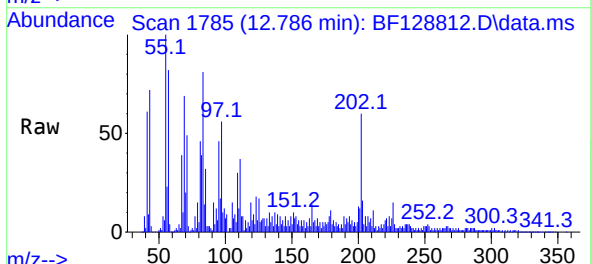
Tgt Ion:240 Resp: 117769
Ion Ratio Lower Upper
240 100
120 30.1 8.9 13.3
236 32.6 20.8 31.2

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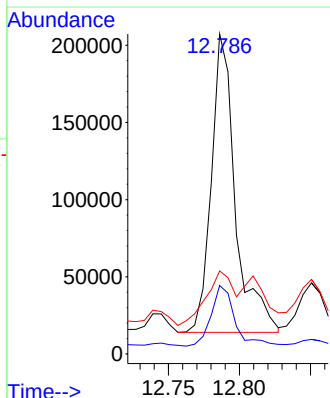
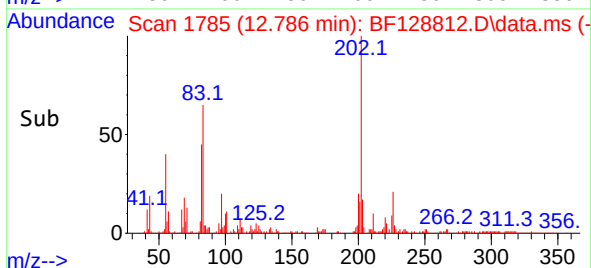
Reviewed By :Christian Giraldo 06/15/2022
Supervised By :Jagrut Upadhyay 06/15/2022

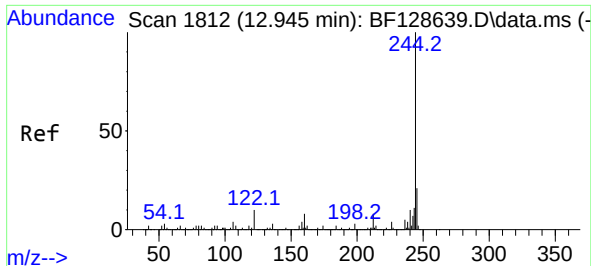


#78
Pyrene
Concen: 26.031 ng
RT: 12.786 min Scan# 1785
Delta R.T. 0.029 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



Tgt Ion:202 Resp: 228080
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 26.0 14.6 21.8





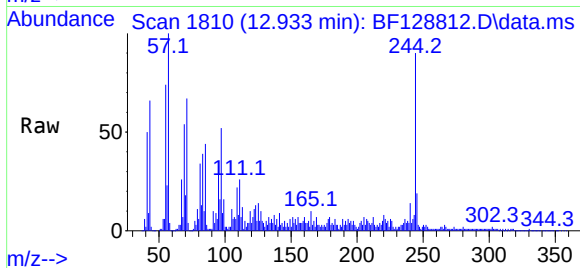
#79
 Terphenyl-d14
 Concen: 63.811 ng
 RT: 12.933 min Scan# 1812
 Delta R.T. 0.029 min
 Lab File: BF128812.D
 Acq: 14 Jun 2022 21:14

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-5

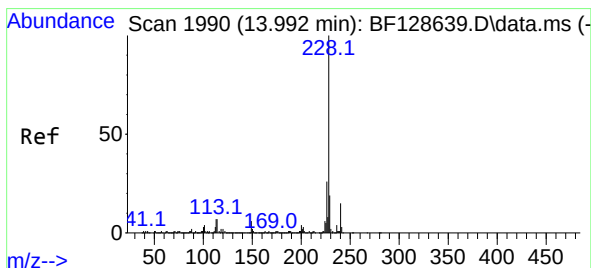
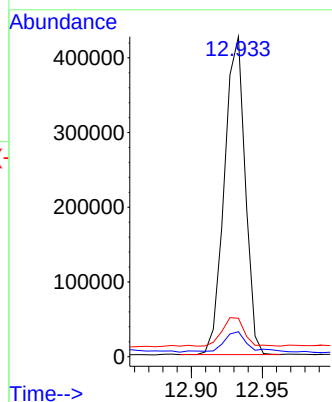
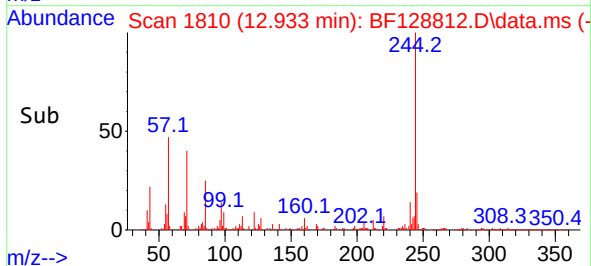


Tgt Ion:244 Resp: 43248
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 12.0 8.8 13.2

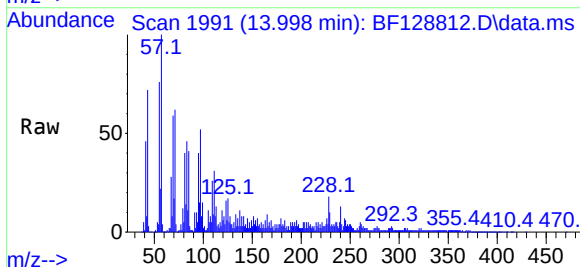
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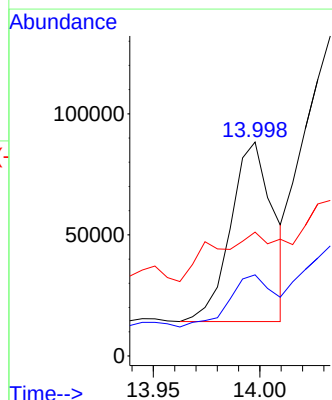
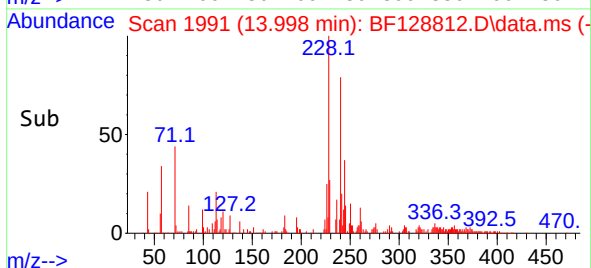
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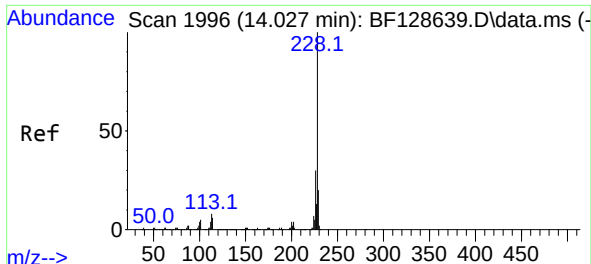


#81
 Benzo(a)anthracene
 Concen: 14.103 ng
 RT: 13.998 min Scan# 1991
 Delta R.T. 0.047 min
 Lab File: BF128812.D
 Acq: 14 Jun 2022 21:14



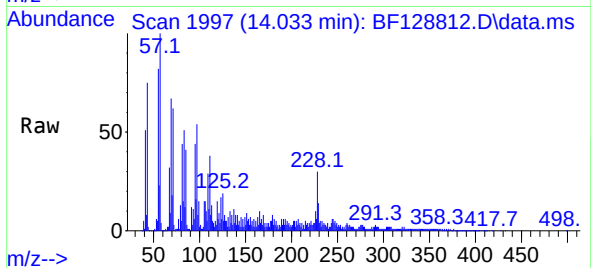
Tgt Ion:228 Resp: 103526
 Ion Ratio Lower Upper
 228 100
 226 38.0 22.1 33.1#
 229 57.9 15.8 23.8#





#83
Chrysene
Concen: 22.210 ng
RT: 14.033 min Scan# 1996
Delta R.T. 0.041 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

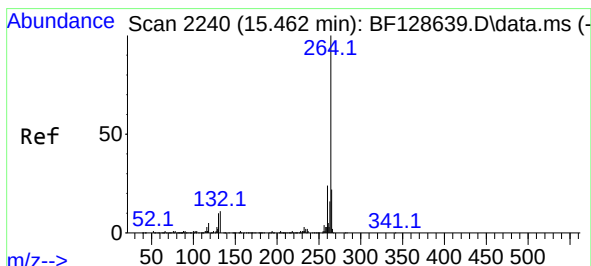
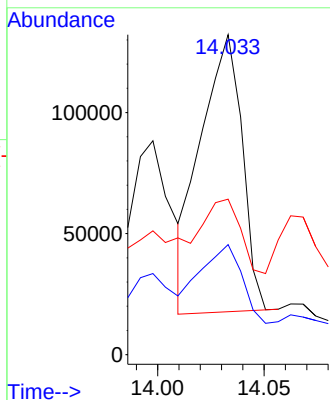
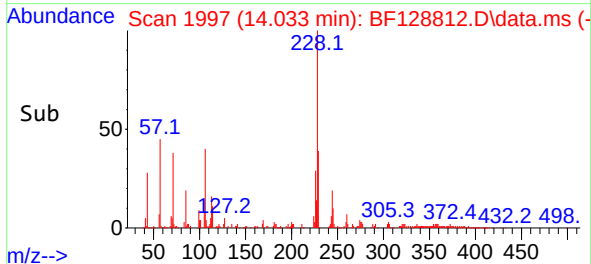
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-5



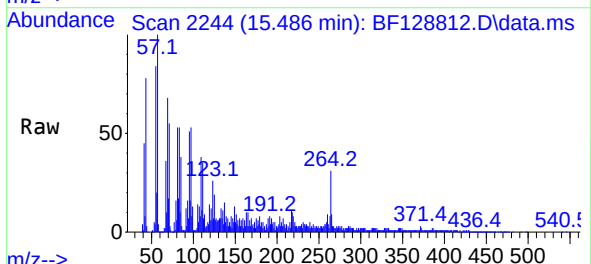
Tgt Ion:228 Resp: 155439
Ion Ratio Lower Upper
228 100
226 34.4 24.3 36.5
229 48.6 15.9 23.9

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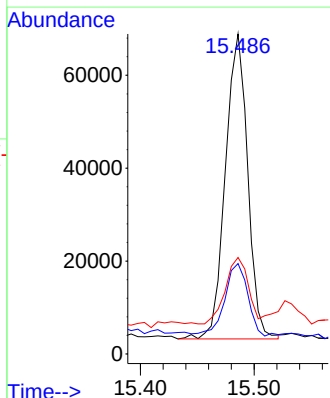
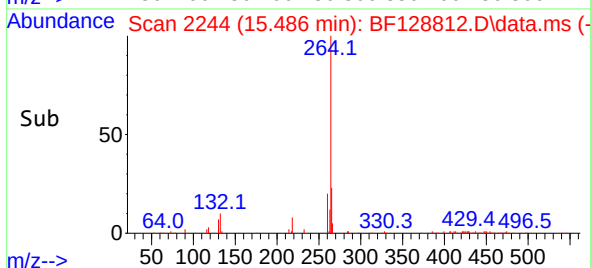
Reviewed By :Christian Giraldo 06/15/2022
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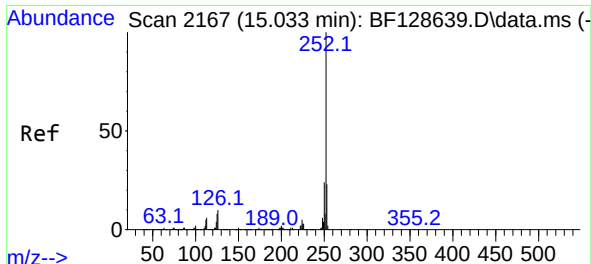


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2244
Delta R.T. 0.070 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



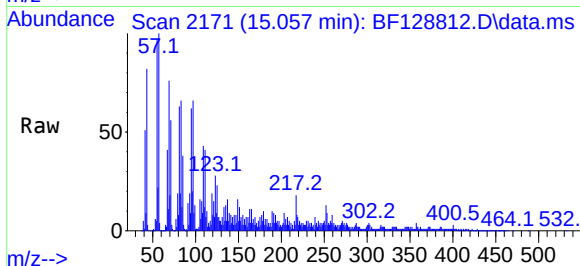
Tgt Ion:264 Resp: 89362
Ion Ratio Lower Upper
264 100
260 28.3 18.4 27.6#
265 30.2 17.2 25.8#





#88
Benzo(b)fluoranthene
Concen: 6.708 ng m
RT: 15.057 min Scan# 2167
Delta R.T. 0.065 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14

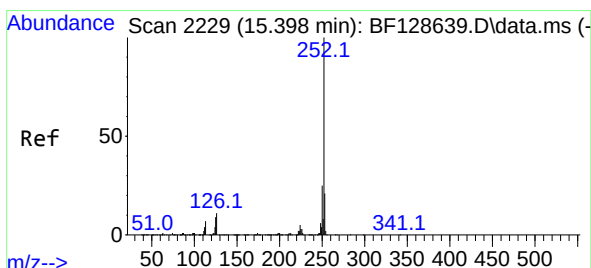
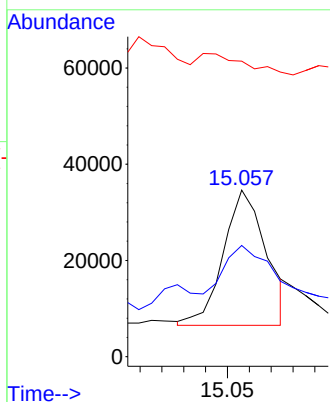
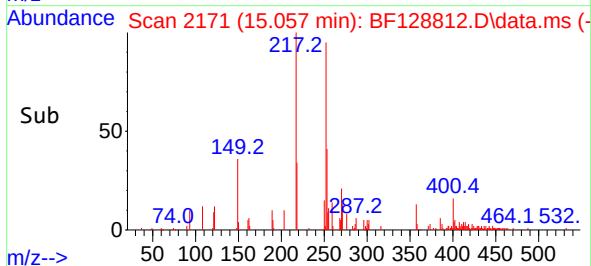
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-5



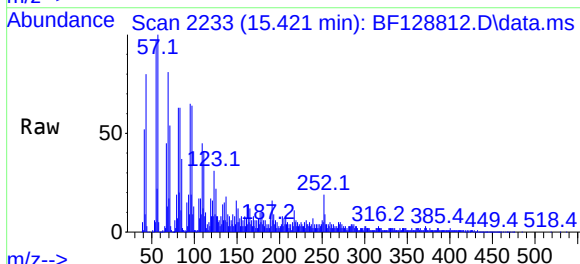
Tgt Ion:252 Resp: 3830
Ion Ratio Lower Upper
252 100
253 66.8 17.7 26.5
125 177.5 8.0 12.0

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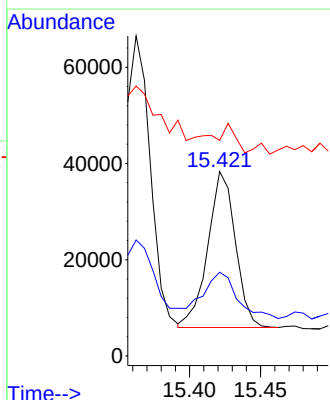
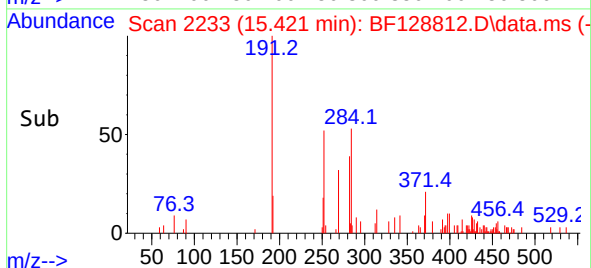
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Supervised By :Jagrut Upadhyay 06/15/2022

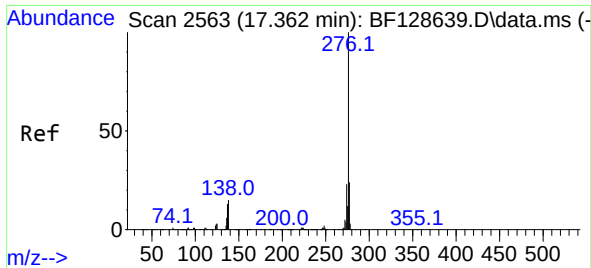


#90
Benzo(a)pyrene
Concen: 9.745 ng
RT: 15.421 min Scan# 2233
Delta R.T. 0.065 min
Lab File: BF128812.D
Acq: 14 Jun 2022 21:14



Tgt Ion:252 Resp: 43733
Ion Ratio Lower Upper
252 100
253 45.4 17.0 25.6#
125 116.8 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 7.121 ng
 RT: 17.362 min Scan# 21
 Delta R.T. 0.065 min
 Lab File: BF128812.D
 Acq: 14 Jun 2022 21:14

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-5

Tgt Ion:276 Resp: 31529
 Ion Ratio Lower Upper
 276 100
 277 35.6 19.1 28.7
 138 33.9 18.0 27.0

Manual Integrations
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