

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121621\
 Data File : BF126215.D
 Acq On : 16 Dec 2021 16:59
 Operator : JU/CG
 Sample : M5068-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121321

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/17/2021
 Supervised By : Jagrut Upadhyay 12/17/2021

Quant Time: Dec 16 17:20:09 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	197931	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	804330	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	332808	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	465806	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	370423	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	278176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	219772	16.352	ng	-0.01
7) Phenol-d6	6.428	99	261386	15.316	ng	-0.02
23) Nitrobenzene-d5	7.369	82	152908	10.296	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	33580	12.555	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	232762	12.266	ng	0.00
79) Terphenyl-d14	12.916	244	175476	8.234	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	236887	9.853	ng	98
72) Anthracene	11.404	178	66738	2.766	ng	97
75) Fluoranthene	12.545	202	296764	13.700	ng	93
78) Pyrene	12.769	202	274704	8.072	ng	96
81) Benzo(a)anthracene	13.957	228	128822	5.871	ng	99
83) Chrysene	13.992	228	111594	4.895	ng	98
87) Indeno(1,2,3-cd)pyrene	16.827	276	49150	2.649	ng	94
88) Benzo(b)fluoranthene	14.998	252	127887m	7.651	ng	
89) Benzo(k)fluoranthene	15.021	252	50689m	3.170	ng	
90) Benzo(a)pyrene	15.351	252	92167	6.635	ng	# 94
92) Benzo(g,h,i)perylene	17.256	276	47226	3.026	ng	# 87

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

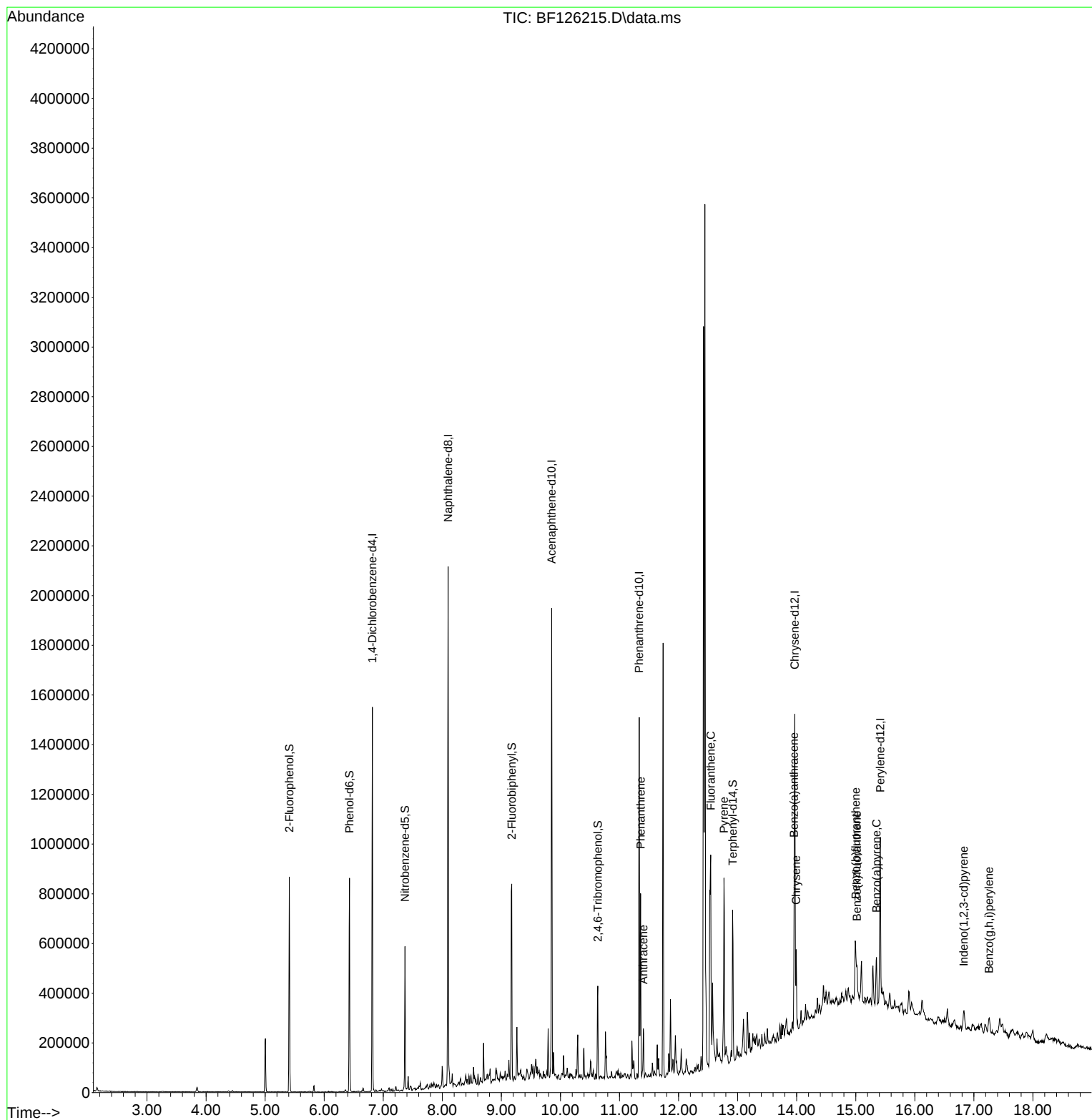
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121621\
Data File : BF126215.D
Acq On : 16 Dec 2021 16:59
Operator : JU/CG
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Misc :
ALS Vial : 11 Sample Multiplier: 1

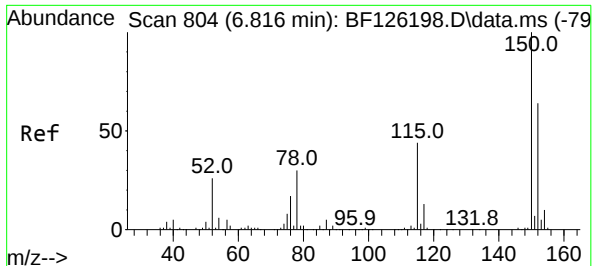
Instrument :
BNA_F
ClientSampleId :
PL-01-121321

Quant Time: Dec 16 17:20:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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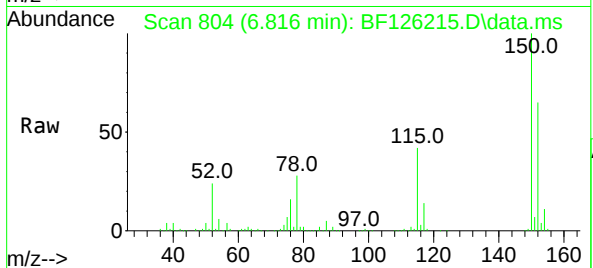
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

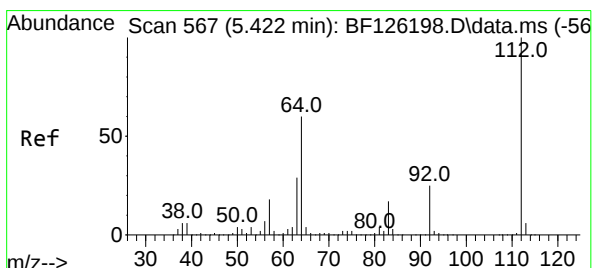
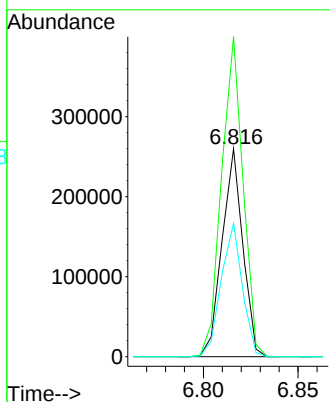
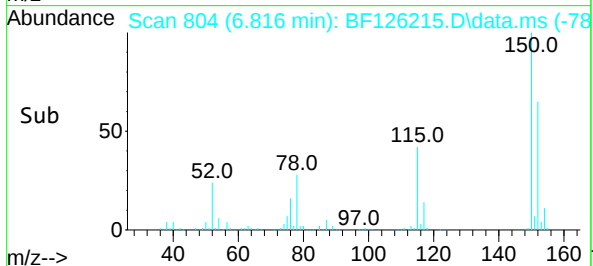
Instrument :
BNA_F
ClientSampleId :
PL-01-121321



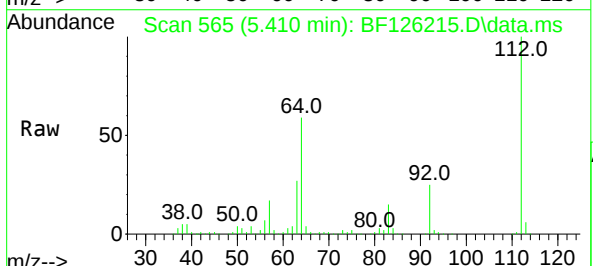
Tgt Ion:152 Resp: 19793
Ion Ratio Lower Upper
152 100
150 153.8 117.6 176.4
115 64.2 47.1 70.7

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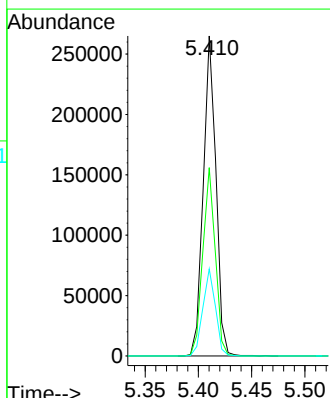
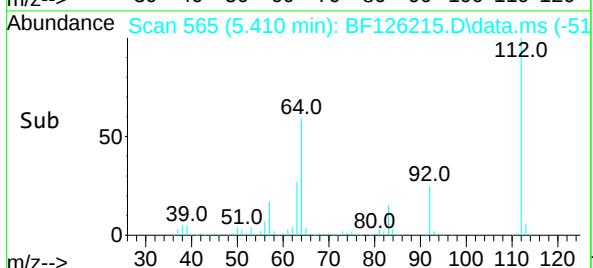
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021

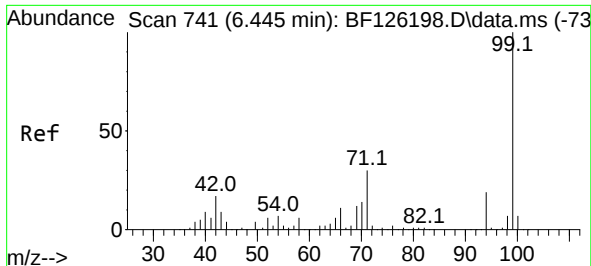


#5
2-Fluorophenol
Concen: 16.352 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59



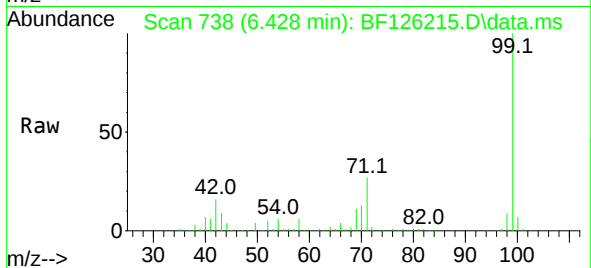
Tgt Ion:112 Resp: 219772
Ion Ratio Lower Upper
112 100
64 58.9 44.2 66.2
63 27.2 26.2 39.2





#7
Phenol-d6
Concen: 15.316 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

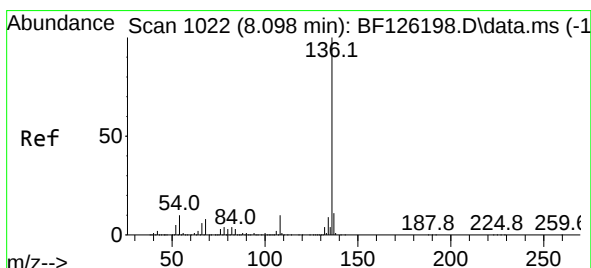
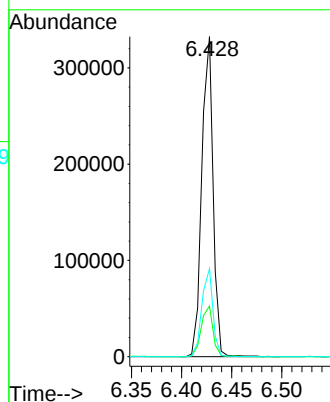
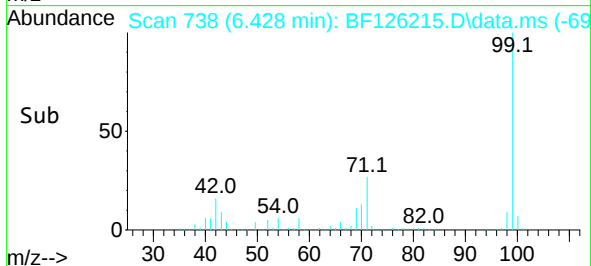
Instrument :
BNA_F
ClientSampleId :
PL-01-121321



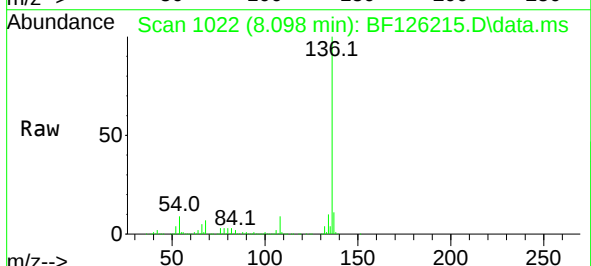
Tgt Ion: 99 Resp: 261380
Ion Ratio Lower Upper
99 100
42 15.9 23.5 35.3
71 27.4 25.6 38.4

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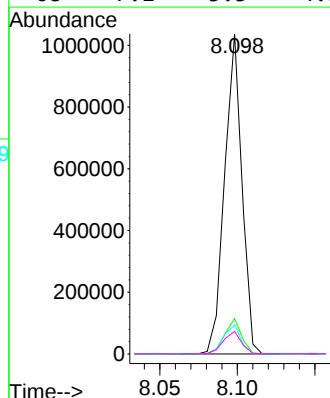
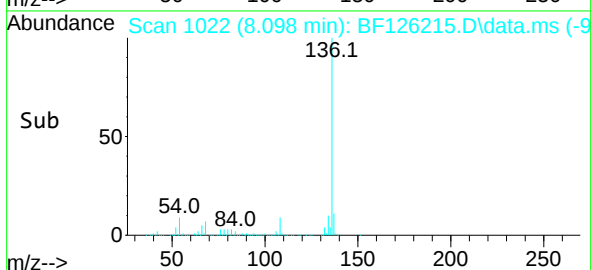
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021

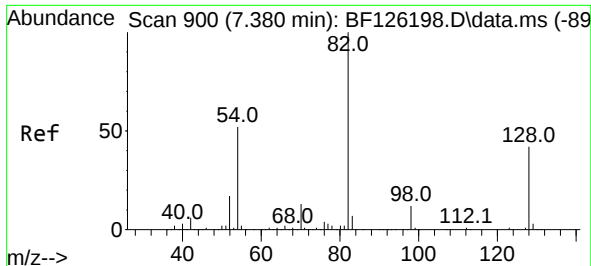


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59



Tgt Ion:136 Resp: 804330
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 9.0 6.4 9.6
68 7.1 3.3 4.9





#23

Nitrobenzene-d5

Concen: 10.296 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

PL-01-121321

Tgt Ion: 82 Resp: 152908

Ion Ratio Lower Upper

82 100

128 41.8 40.6 60.8

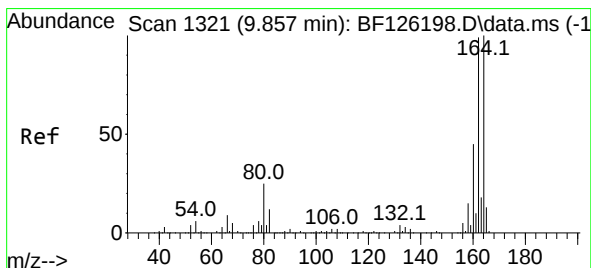
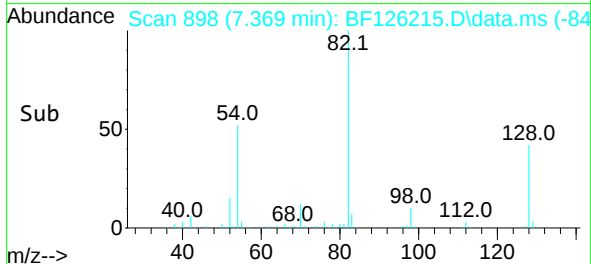
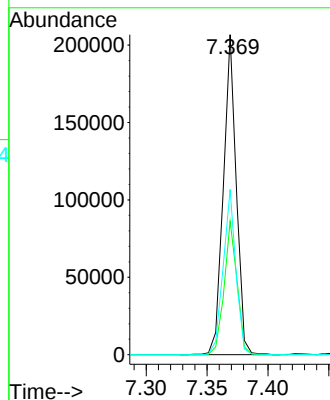
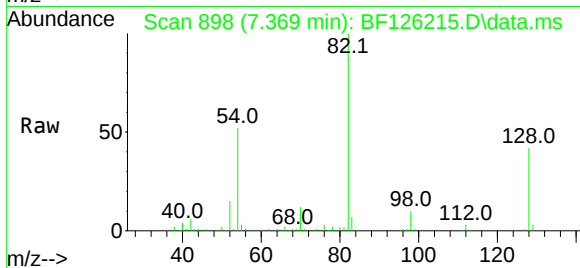
54 51.7 49.6 74.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

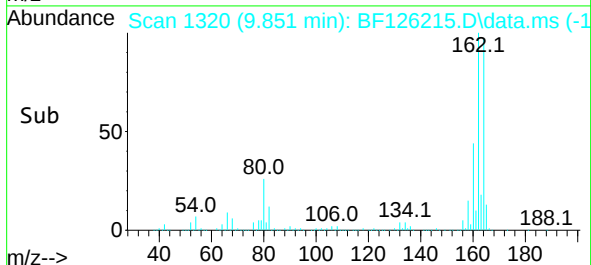
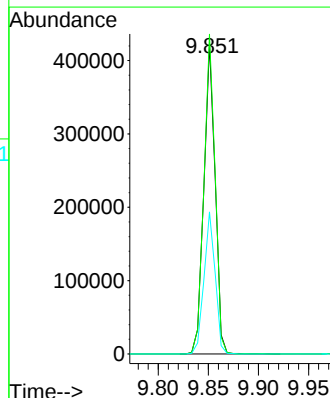
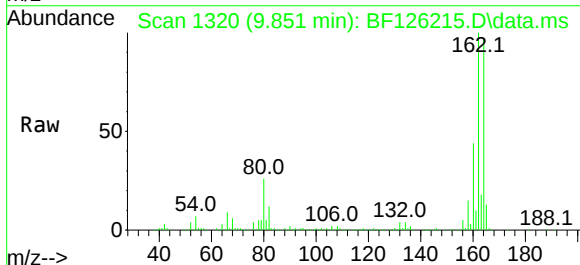
Tgt Ion:164 Resp: 332808

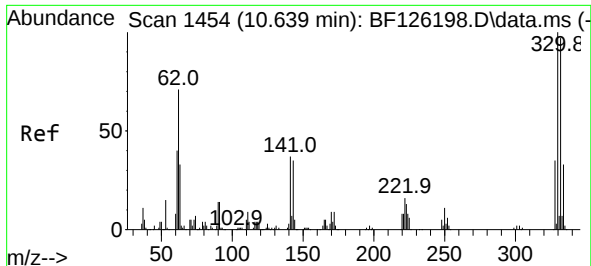
Ion Ratio Lower Upper

164 100

162 103.5 81.3 121.9

160 46.0 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 12.555 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

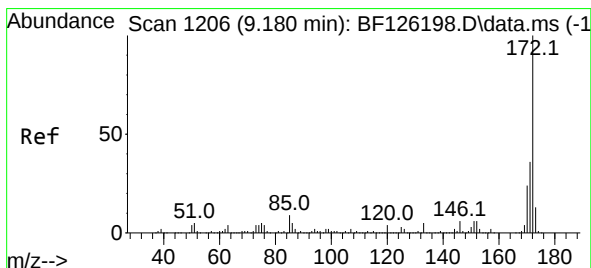
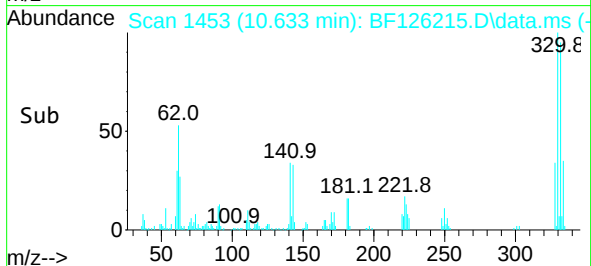
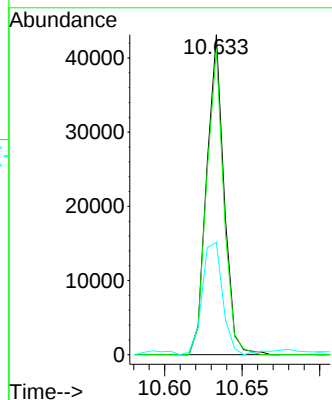
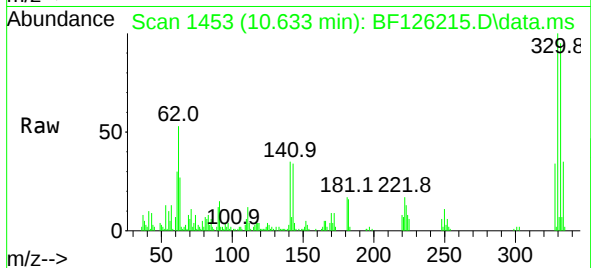
PL-01-121321

Tgt Ion: 330 Resp: 33580
Ion Ratio Lower Upper
330 100
332 94.0 76.2 114.4
141 41.2 44.6 66.8

Manual Integrations

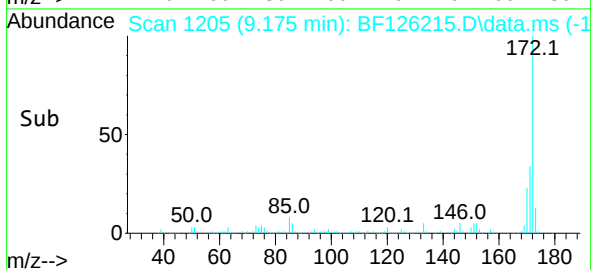
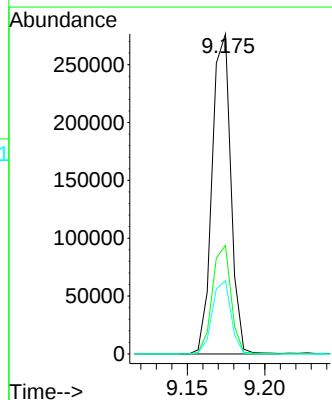
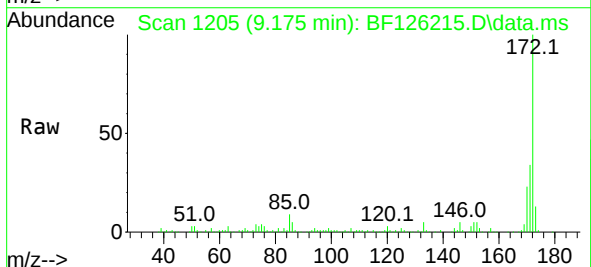
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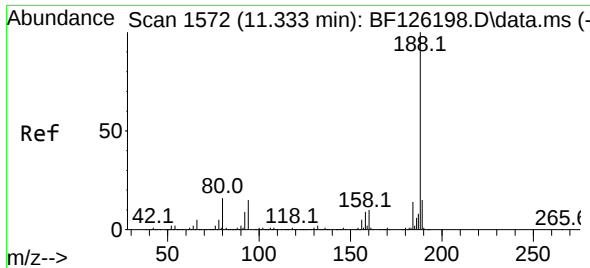
Reviewed By : Christian Giraldo 12/17/2021
Supervised By : Jagrut Upadhyay 12/17/2021



#45
2-Fluorobiphenyl
Concen: 12.266 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Tgt Ion: 172 Resp: 232762
Ion Ratio Lower Upper
172 100
171 34.0 26.5 39.7
170 22.9 18.8 28.2





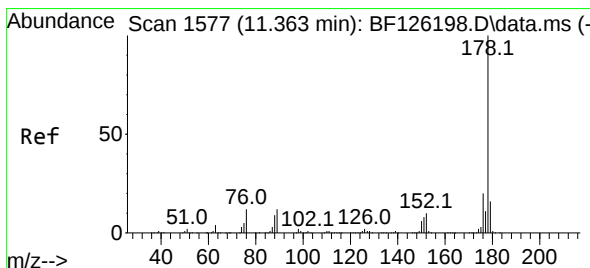
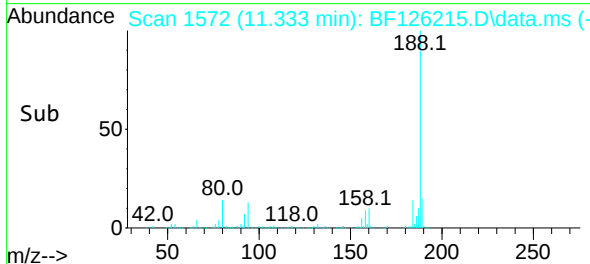
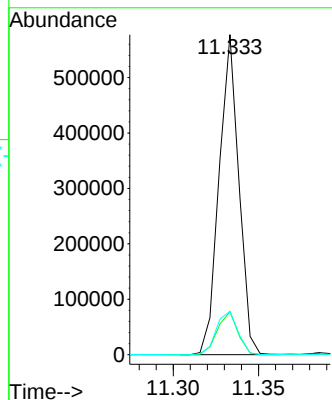
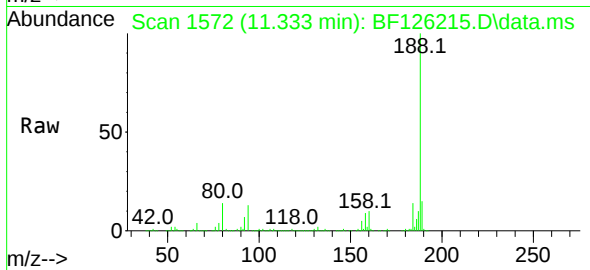
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Instrument :
BNA_F
ClientSampleId :
PL-01-121321

Tgt Ion:188 Resp: 465800
Ion Ratio Lower Upper
188 100
94 13.5 6.7 10.1
80 13.5 7.5 11.3

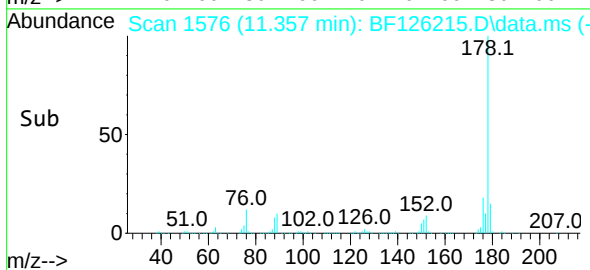
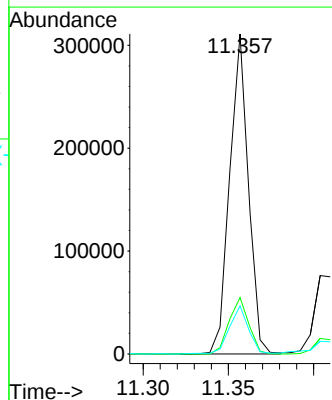
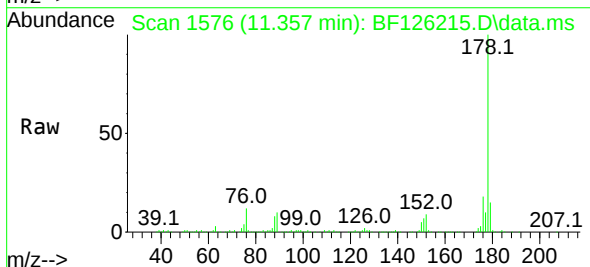
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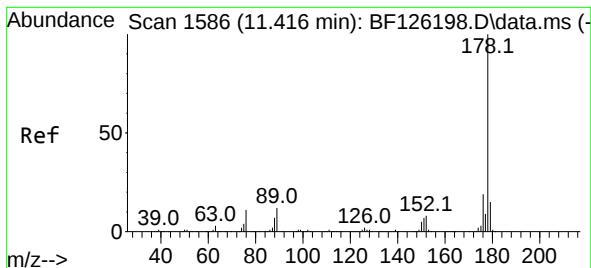
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021



#71
Phenanthrene
Concen: 9.853 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Tgt Ion:178 Resp: 236887
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 15.1 11.5 17.3





#72

Anthracene

Concen: 2.766 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

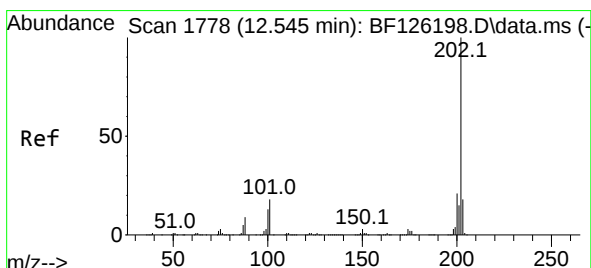
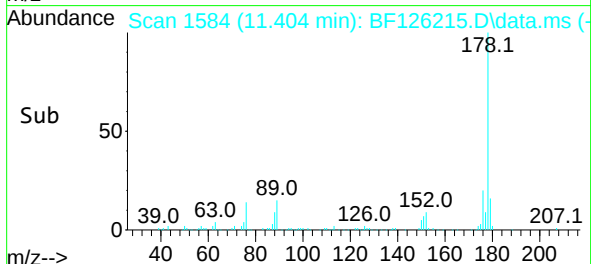
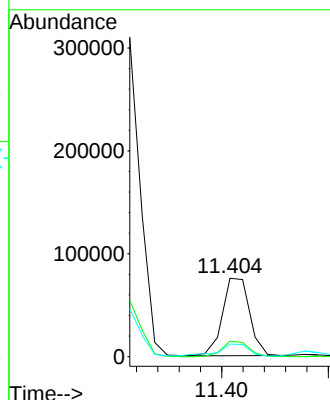
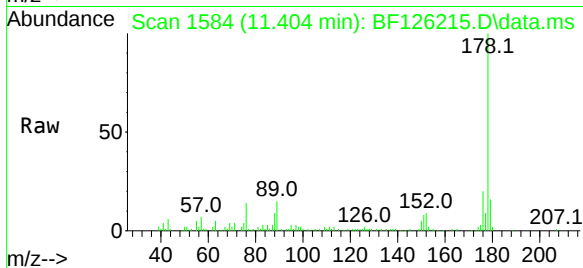
PL-01-121321

Tgt Ion:178	Resp: 66738
Ion Ratio	Lower Upper
178	100
176	19.8 14.3 21.5
179	16.1 12.2 18.4

Manual Integrations

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#75

Fluoranthene

Concen: 13.700 ng

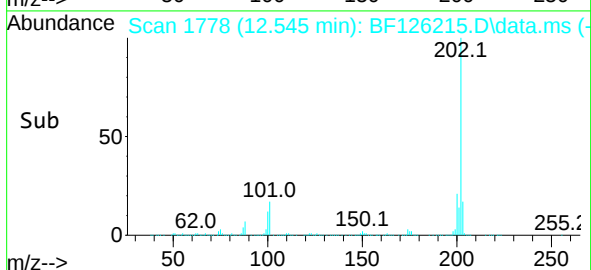
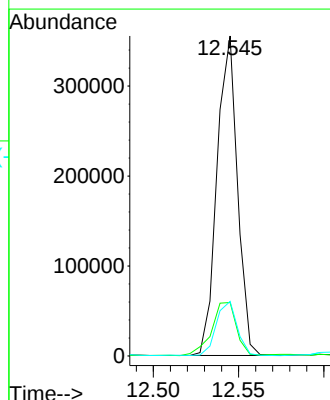
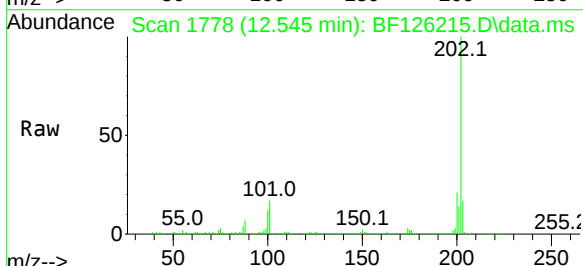
RT: 12.545 min Scan# 1778

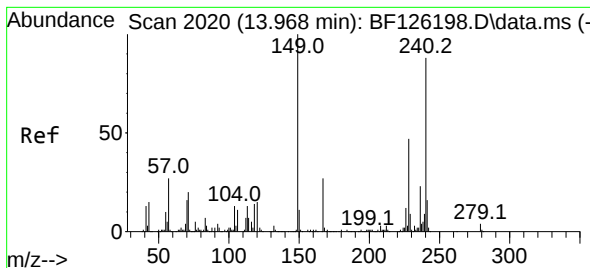
Delta R.T. 0.000 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Tgt Ion:202	Resp: 296764
Ion Ratio	Lower Upper
202	100
101	16.7 0.0 30.7
203	17.1 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Instrument :

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ClientSampleId :

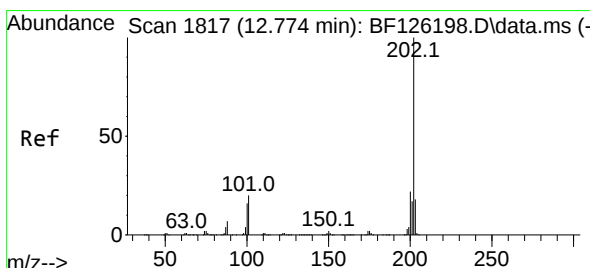
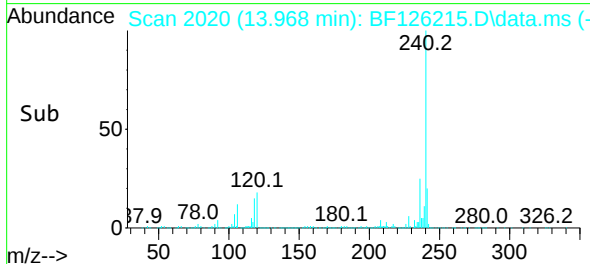
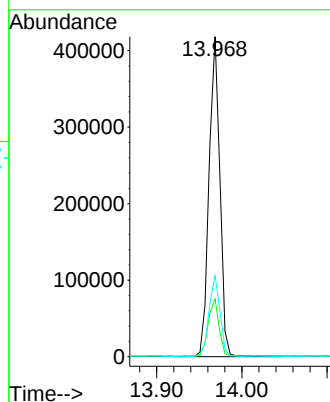
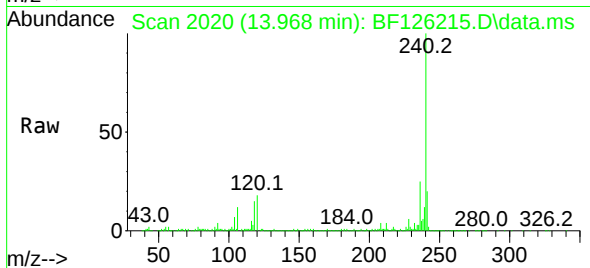
PL-01-121321

Tgt Ion:240 Resp: 370423
 Ion Ratio Lower Upper
 240 100
 120 18.0 10.8 16.2
 236 25.3 21.6 32.4

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#78

Pyrene

Concen: 8.072 ng

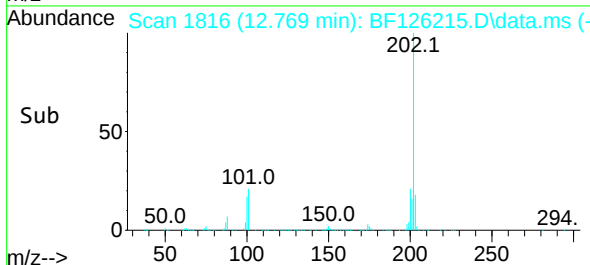
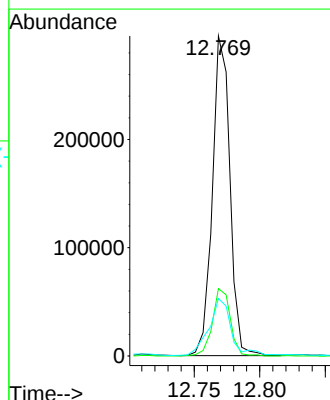
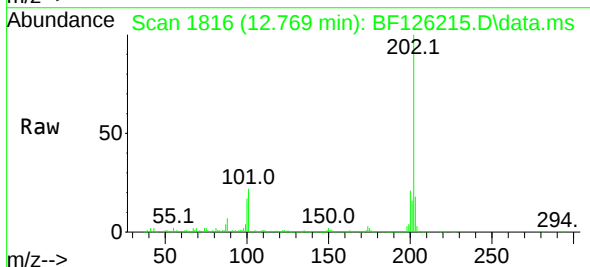
RT: 12.769 min Scan# 1816

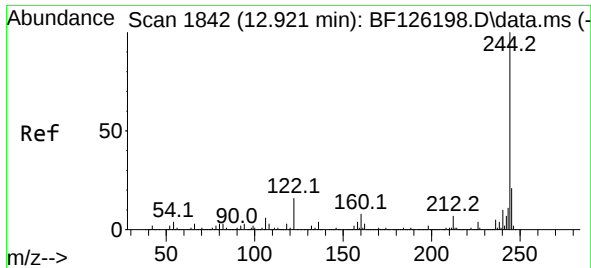
Delta R.T. -0.006 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Tgt Ion:202 Resp: 274704
 Ion Ratio Lower Upper
 202 100
 200 21.1 15.3 22.9
 203 17.9 13.4 20.0





#79
 Terphenyl-d14
 Concen: 8.234 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF126215.D
 Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

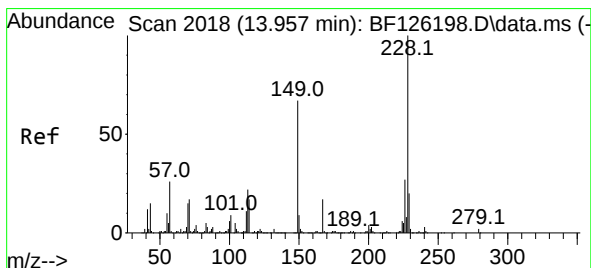
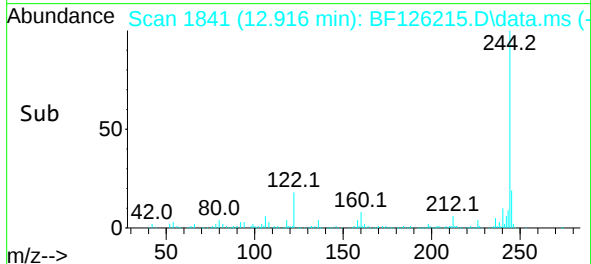
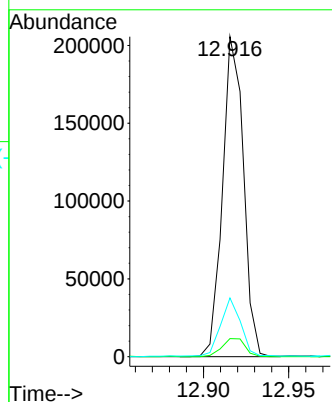
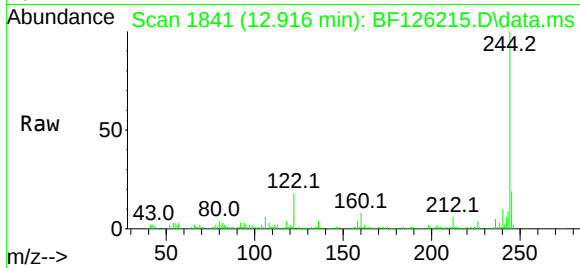
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Tgt Ion:244 Resp: 175470
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.9 8.9
 122 18.4 9.0 13.4

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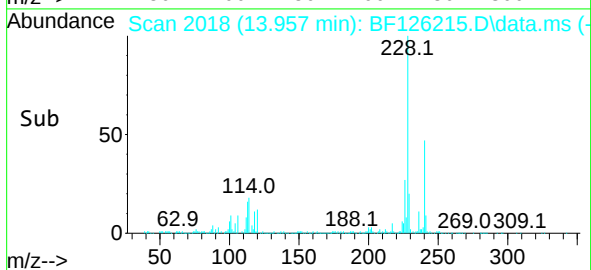
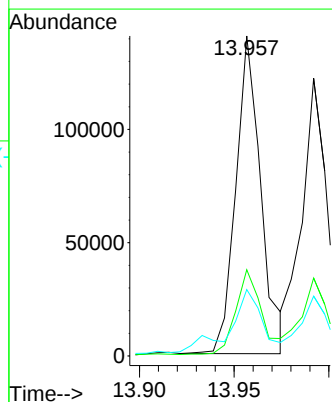
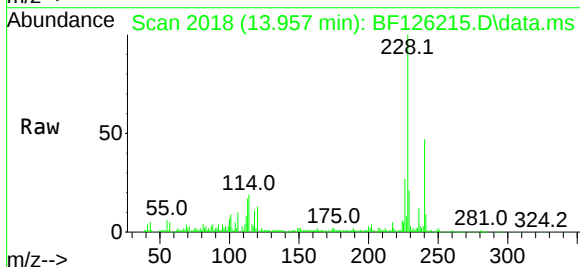
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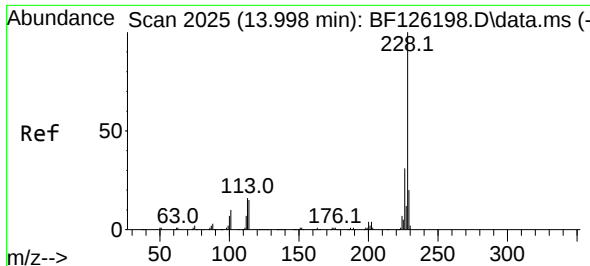
Reviewed By :Christian Giraldo 12/17/2021
 Supervised By :Jagrut Upadhyay 12/17/2021



#81
 Benzo(a)anthracene
 Concen: 5.871 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: BF126215.D
 Acq: 16 Dec 2021 16:59

Tgt Ion:228 Resp: 128822
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.6 32.4
 229 20.7 15.6 23.4





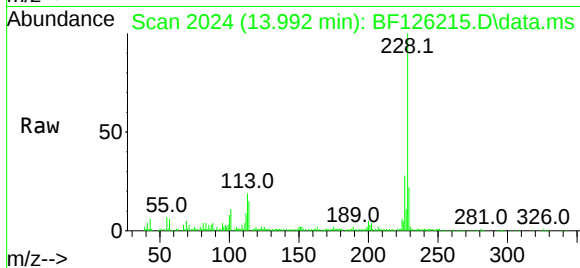
#83
Chrysene
Concen: 4.895 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

PL-01-121321

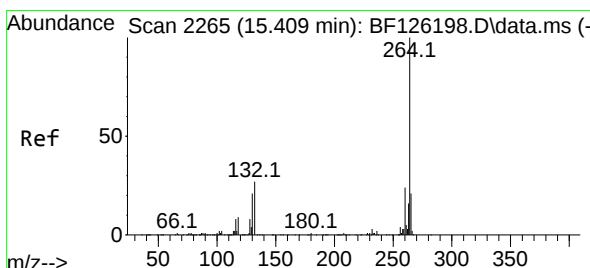
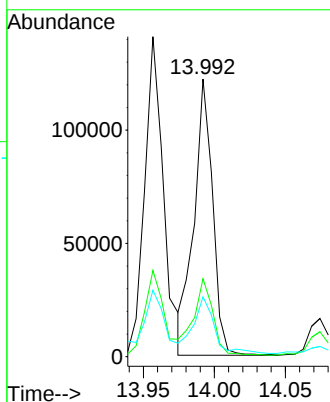
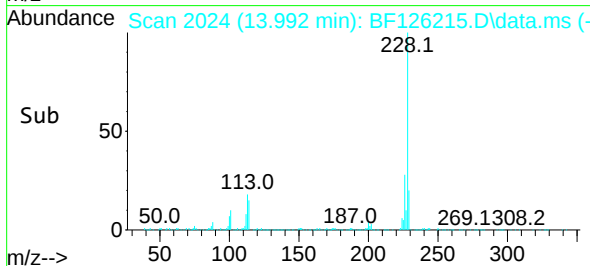


Tgt Ion:228 Resp: 111594
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 21.6 15.9 23.9

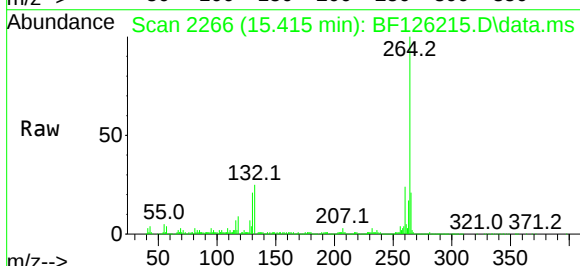
Manual Integrations

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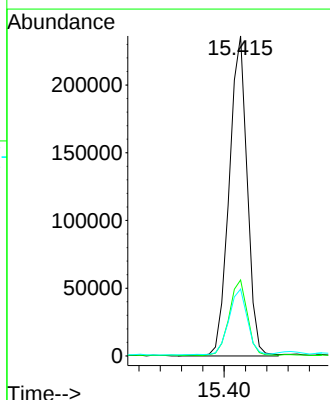
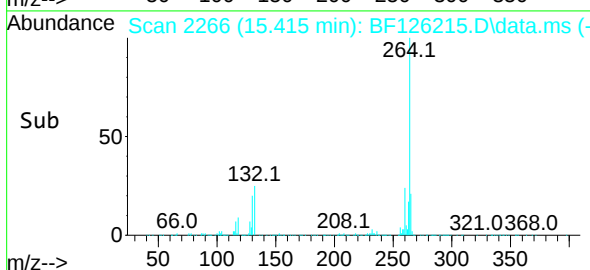
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021

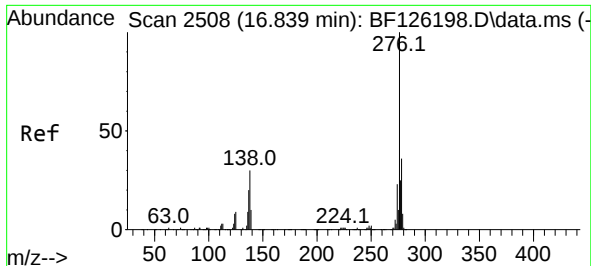


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59



Tgt Ion:264 Resp: 278176
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 20.9 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.649 ng
 RT: 16.827 min Scan# 2195
 Delta R.T. -0.012 min
 Lab File: BF126215.D
 Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

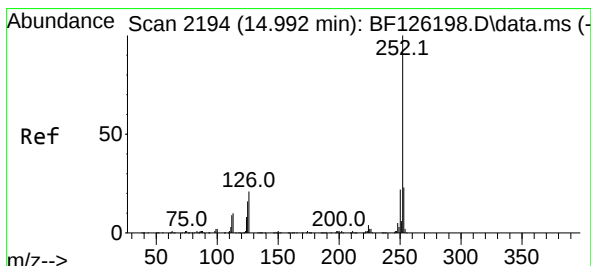
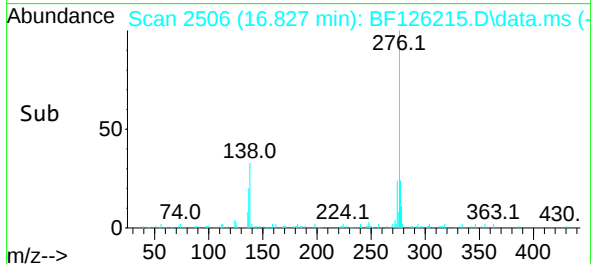
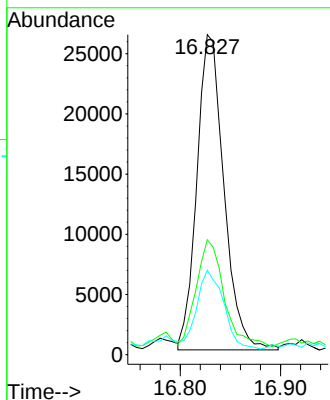
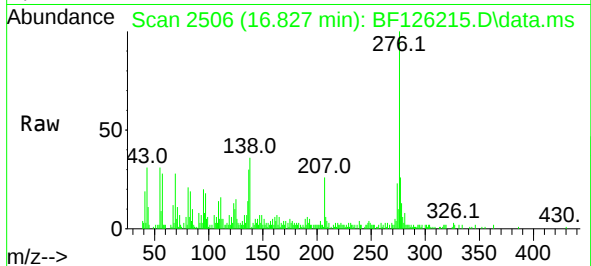
ClientSampleId :

PL-01-121321

Tgt Ion:276 Resp: 49150
 Ion Ratio Lower Upper
 276 100
 138 34.9 24.1 36.1
 277 24.7 18.8 28.2

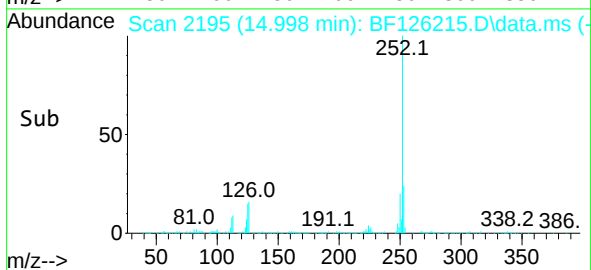
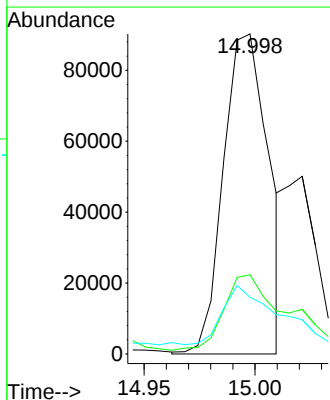
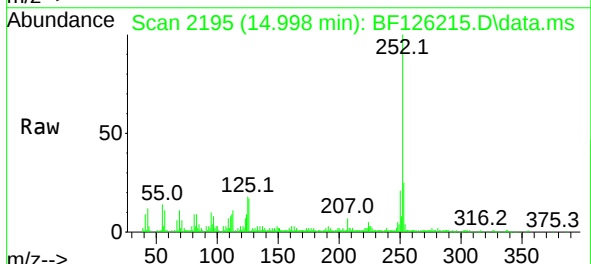
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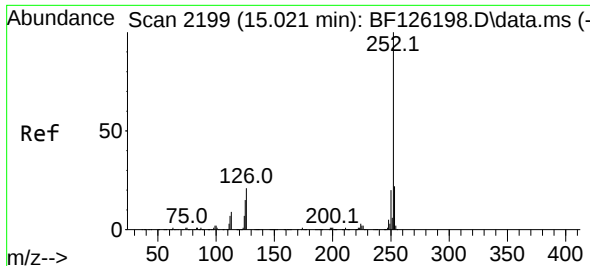
Reviewed By :Christian Giraldo 12/17/2021
 Supervised By :Jagrut Upadhyay 12/17/2021



#88
 Benzo(b)fluoranthene
 Concen: 7.651 ng m
 RT: 14.998 min Scan# 2195
 Delta R.T. 0.006 min
 Lab File: BF126215.D
 Acq: 16 Dec 2021 16:59

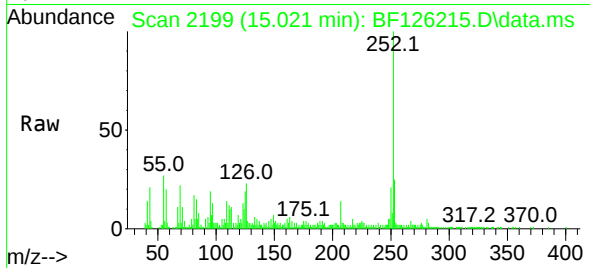
Tgt Ion:252 Resp: 127887
 Ion Ratio Lower Upper
 252 100
 253 24.8 16.8 25.2
 125 17.7 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 3.170 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

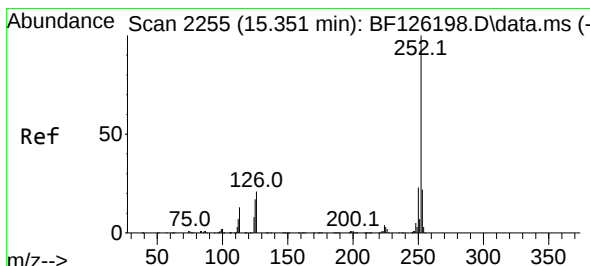
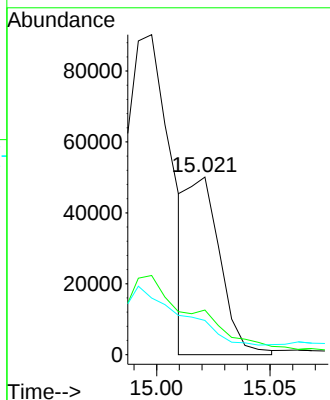
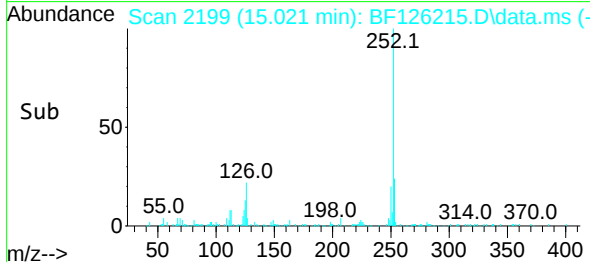
Instrument :
BNA_F
ClientSampleId :
PL-01-121321



Tgt Ion:252 Resp: 50689
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 19.3 7.2 10.8

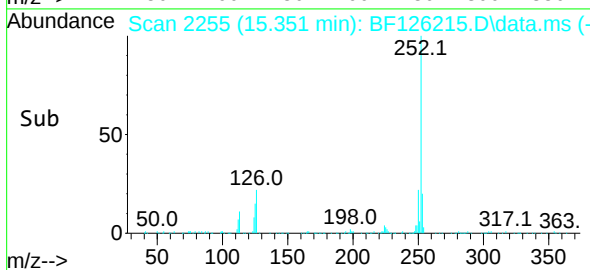
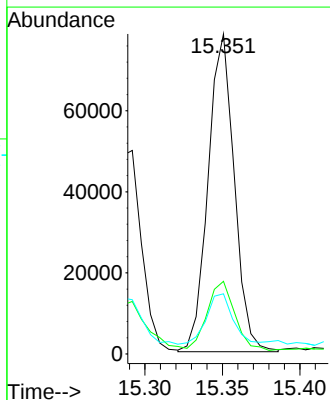
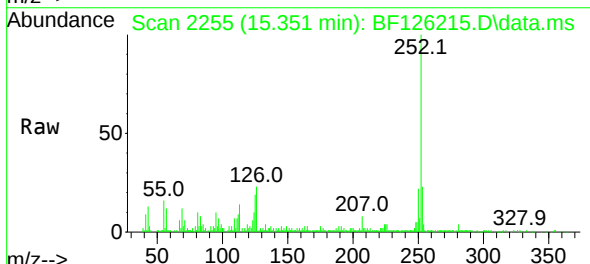
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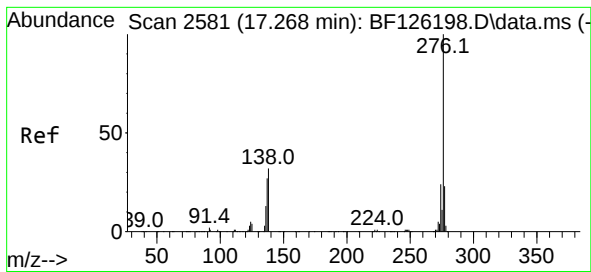
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021



#90
Benzo(a)pyrene
Concen: 6.635 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

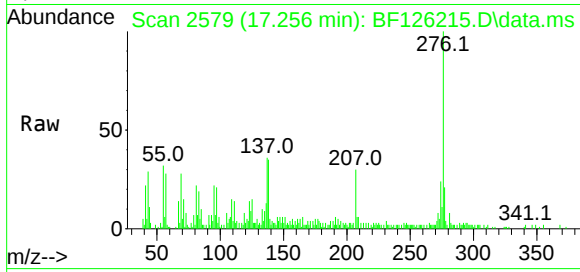
Tgt Ion:252 Resp: 92167
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 18.8 9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.026 ng
 RT: 17.256 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF126215.D
 Acq: 16 Dec 2021 16:59

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121321



Tgt Ion:276 Resp: 47220
 Ion Ratio Lower Upper
 276 100
 277 20.7 22.0 33.0
 138 35.0 22.2 33.4

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 Supervised By :Jagrut Upadhyay 12/17/2021

