

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126360.D
 Acq On : 27 Dec 2021 17:32
 Operator : JU/CG
 Sample : M5218-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-C2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/31/2021

Quant Time: Dec 27 17:58:36 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	106811	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	425021	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	180059	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	245979	20.000	ng	#-0.01
76) Chrysene-d12	13.968	240	201279	20.000	ng	-0.01
86) Perylene-d12	15.415	264	227150	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	569402	78.506	ng	0.00
7) Phenol-d6	6.434	99	725487	78.776	ng	-0.01
23) Nitrobenzene-d5	7.369	82	433595	55.252	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	99418	68.705	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	639089	62.251	ng	-0.01
79) Terphenyl-d14	12.916	244	433825	37.462	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	238567	18.791	ng	98
72) Anthracene	11.404	178	37055	2.908	ng	99
75) Fluoranthene	12.545	202	159752	13.966	ng	94
78) Pyrene	12.769	202	265984	14.384	ng	97
81) Benzo(a)anthracene	13.957	228	95944	8.047	ng	99
83) Chrysene	13.992	228	89996	7.265	ng	97
88) Benzo(b)fluoranthene	14.998	252	73634m	5.395	ng	
90) Benzo(a)pyrene	15.351	252	62496	5.509	ng	# 94

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

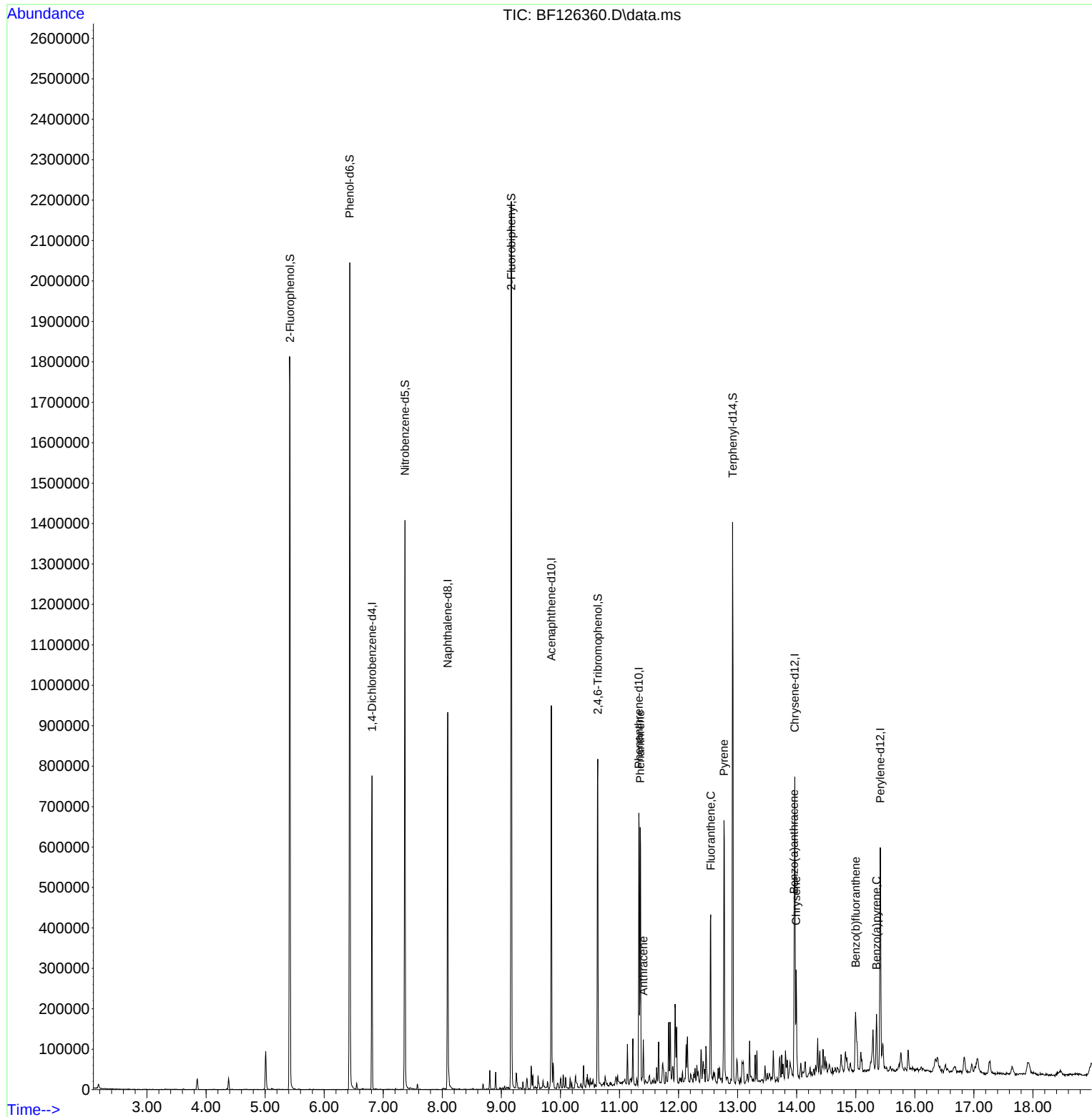
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126360.D
Acq On : 27 Dec 2021 17:32
Operator : JU/CG
Sample : M5218-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

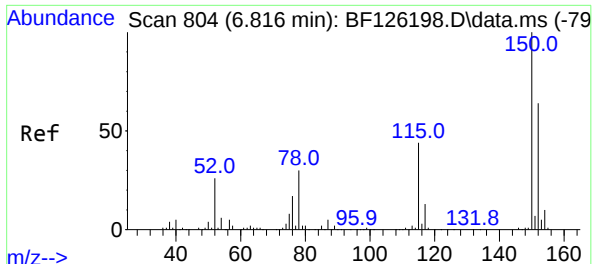
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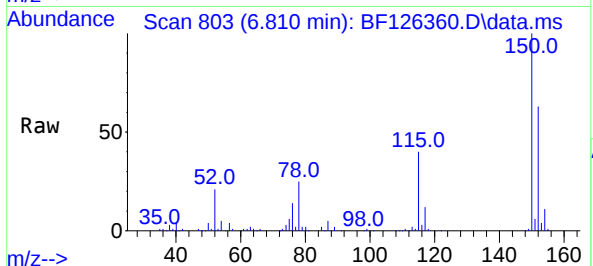
Quant Time: Dec 27 17:58:36 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

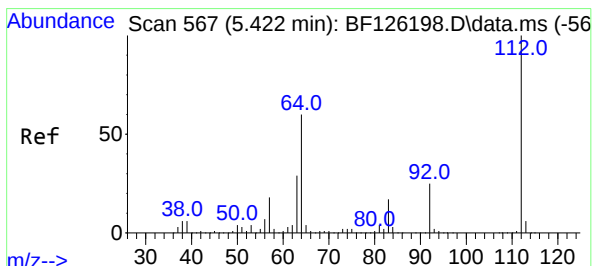
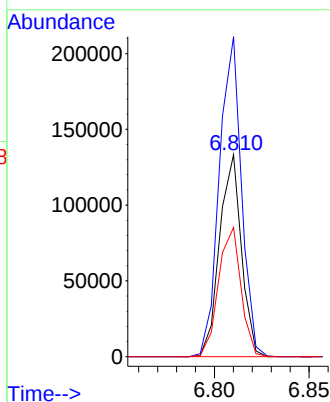
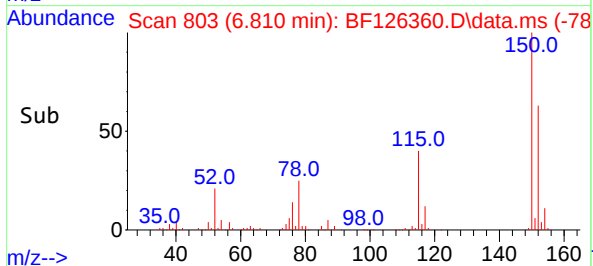
Instrument :
BNA_F
ClientSampleId :
SB-21-C2



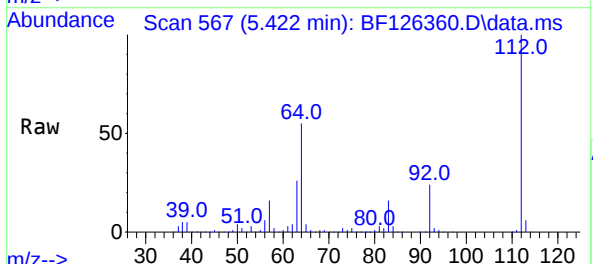
Tgt Ion:152 Resp: 106811
Ion Ratio Lower Upper
152 100
150 158.3 117.6 176.4
115 64.0 47.1 70.7

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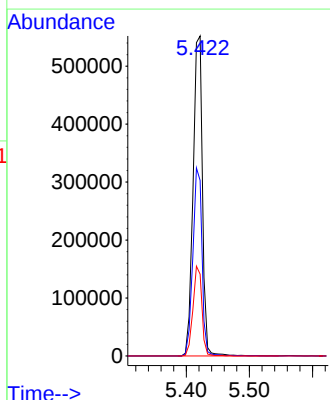
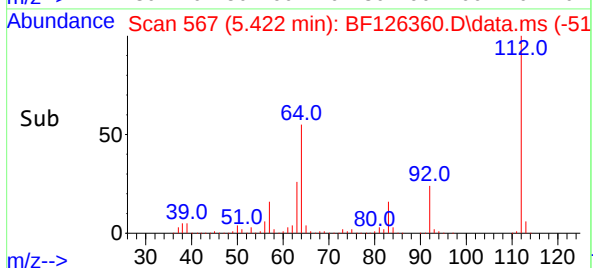
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

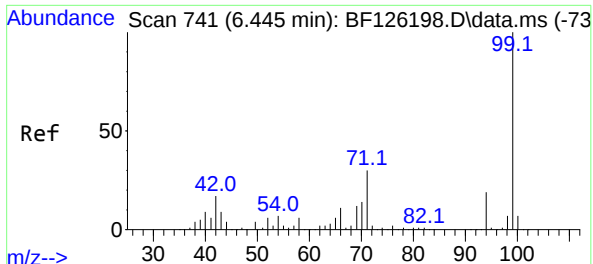


#5
2-Fluorophenol
Concen: 78.506 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32



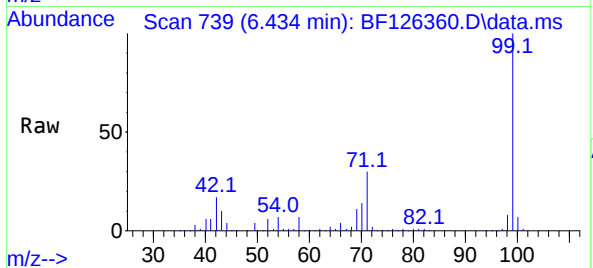
Tgt Ion:112 Resp: 569402
Ion Ratio Lower Upper
112 100
64 54.9 44.2 66.2
63 25.5 26.2 39.2#





#7
Phenol-d6
Concen: 78.776 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

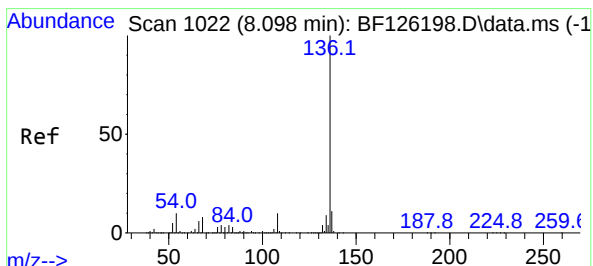
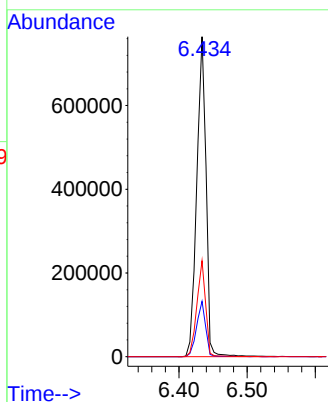
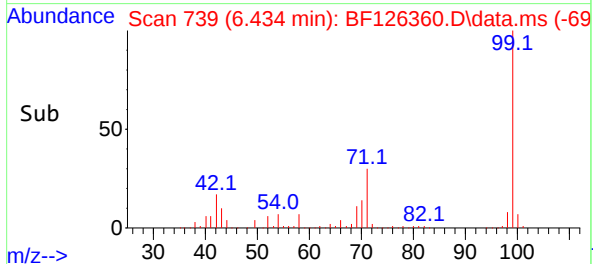
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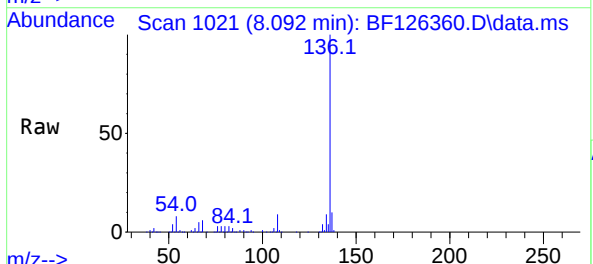
Tgt Ion: 99 Resp: 72548
Ion Ratio Lower Upper
99 100
42 17.3 23.5 35.3
71 30.0 25.6 38.4

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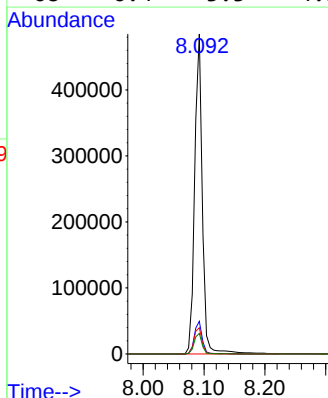
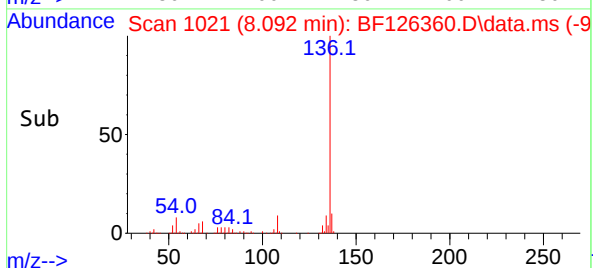
Reviewed By :Jagrut Upadhyay 12/28/2021
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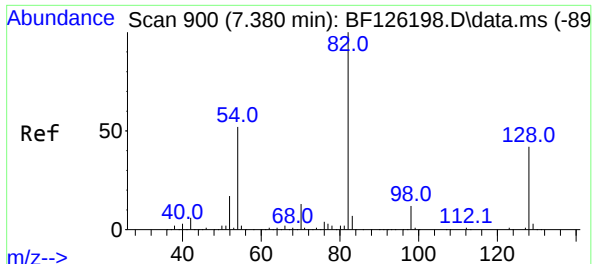


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32



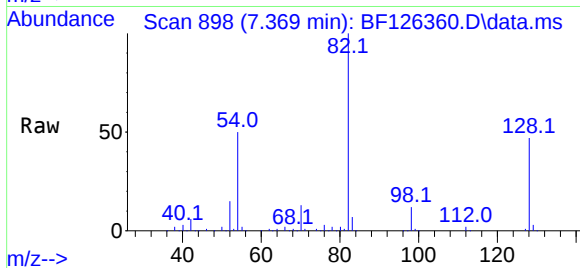
Tgt Ion:136 Resp: 425021
Ion Ratio Lower Upper
136 100
137 10.2 9.8 14.6
54 8.2 6.4 9.6
68 6.4 3.3 4.9





#23
Nitrobenzene-d5
Concen: 55.252 ng
RT: 7.369 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

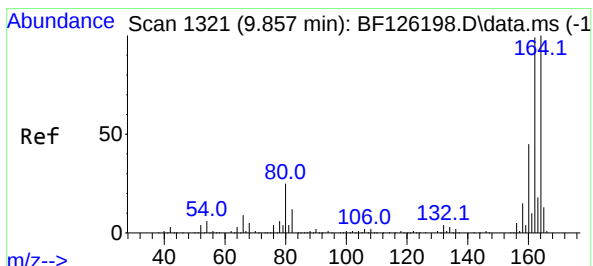
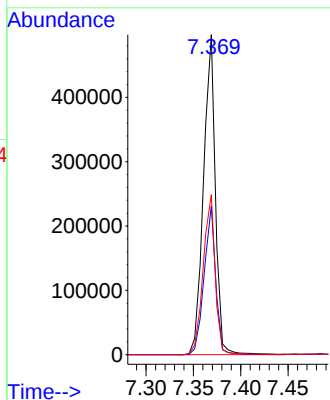
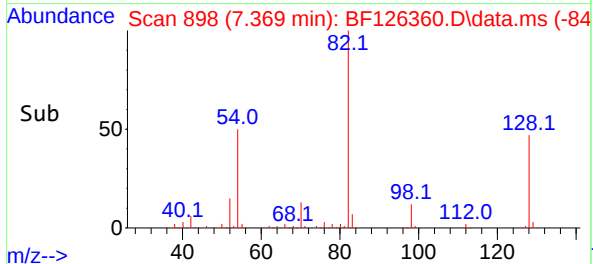
Instrument :
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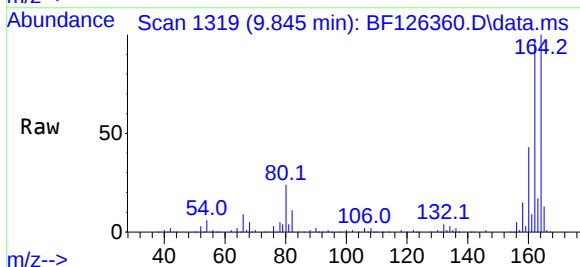
Tgt Ion: 82 Resp: 43359
Ion Ratio Lower Upper
82 100
128 46.5 40.6 60.8
54 50.0 49.6 74.4

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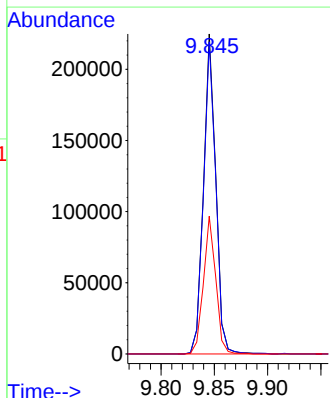
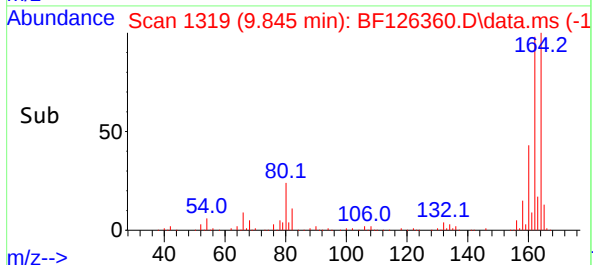
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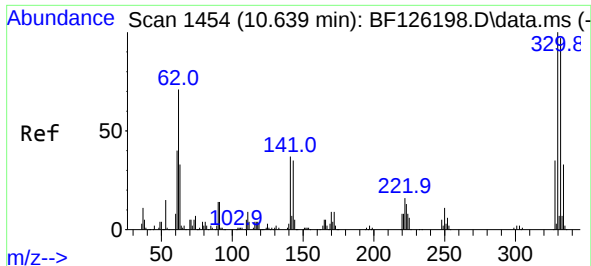


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32



Tgt Ion:164 Resp: 180059
Ion Ratio Lower Upper
164 100
162 97.6 81.3 121.9
160 43.1 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 68.705 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Instrument :

BNA_F

ClientSampleId :

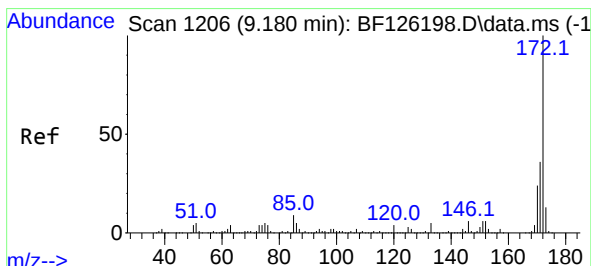
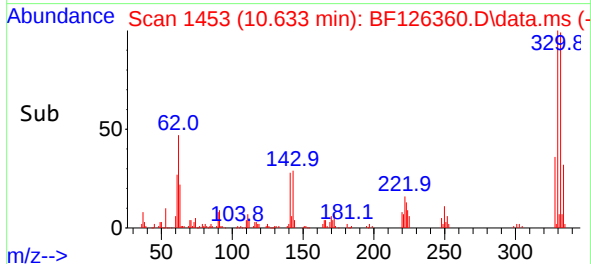
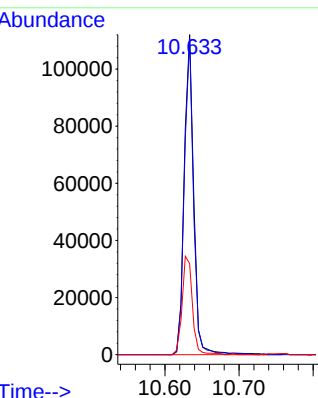
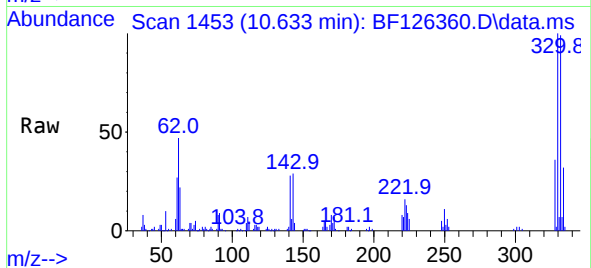
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Tgt Ion:330 Resp: 99418
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 33.3 44.6 66.8

Manual Integrations

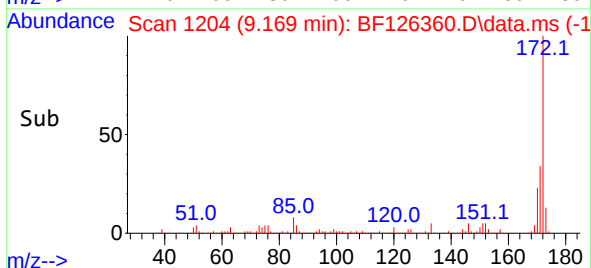
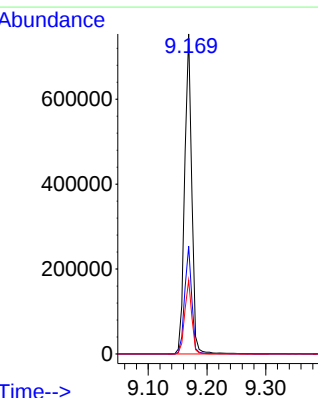
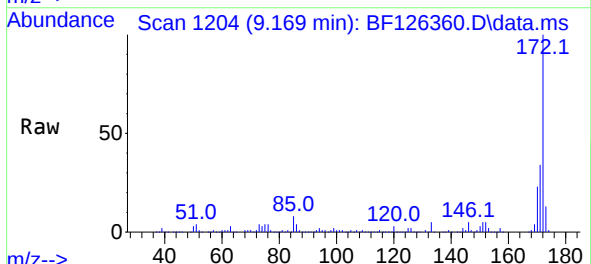
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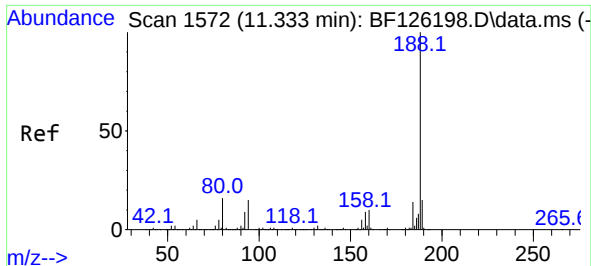
Reviewed By :Jagrut Upadhyay 12/28/2021
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#45
2-Fluorobiphenyl
Concen: 62.251 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

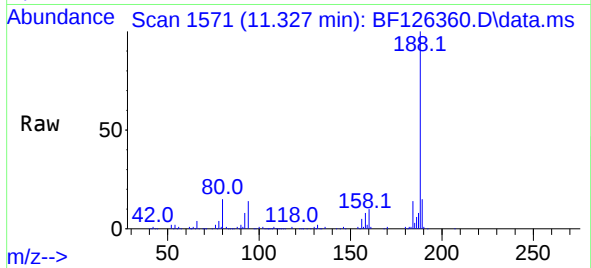
Tgt Ion:172 Resp: 639089
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

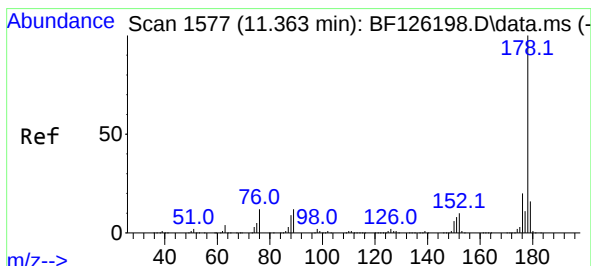
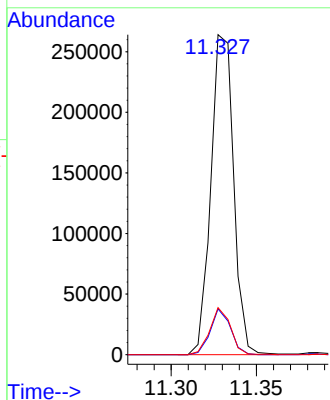
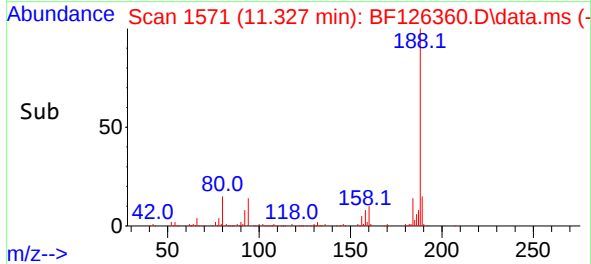
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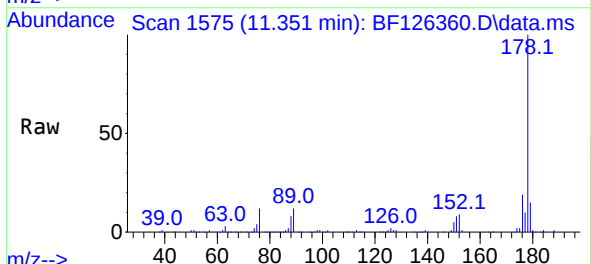
Tgt Ion:188 Resp: 245979
Ion Ratio Lower Upper
188 100
94 14.3 6.7 10.1
80 14.7 7.5 11.3

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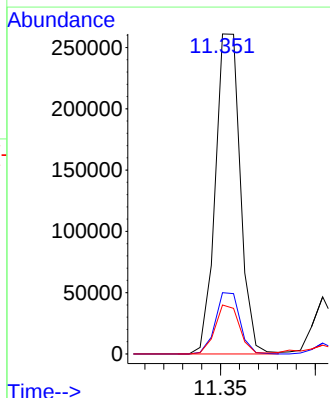
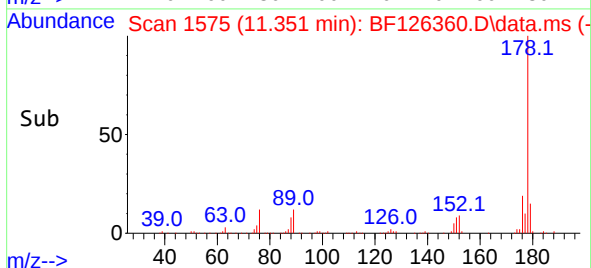
Reviewed By :Jagrut Upadhyay 12/28/2021
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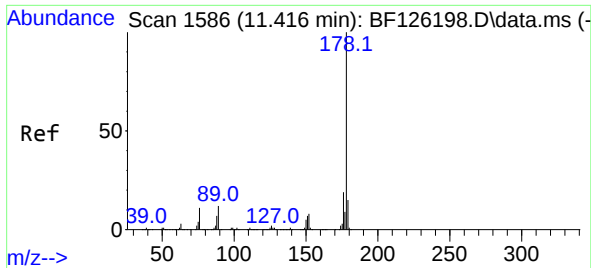


#71
Phenanthrene
Concen: 18.791 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32



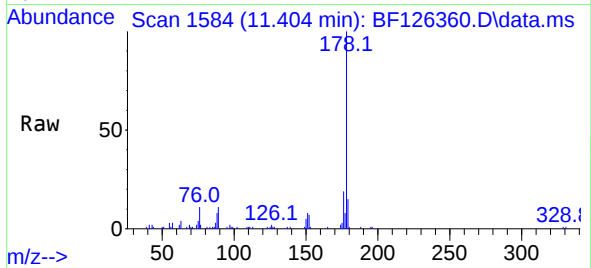
Tgt Ion:178 Resp: 238567
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.3 11.5 17.3





#72
 Anthracene
 Concen: 2.908 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126360.D
 Acq: 27 Dec 2021 17:32

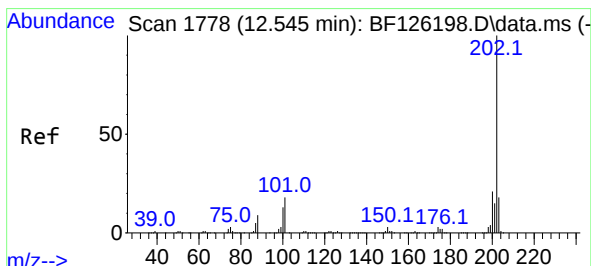
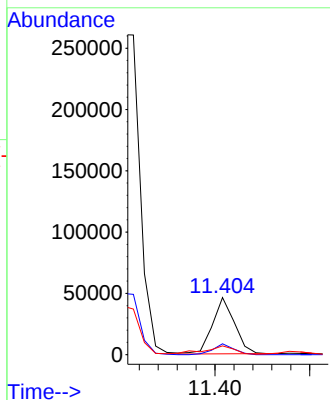
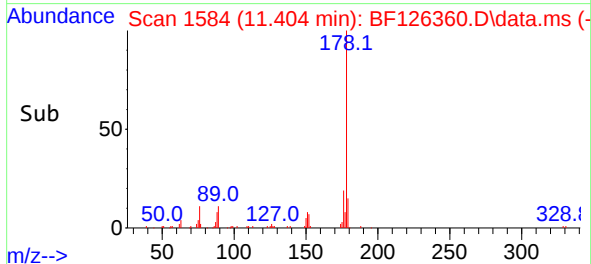
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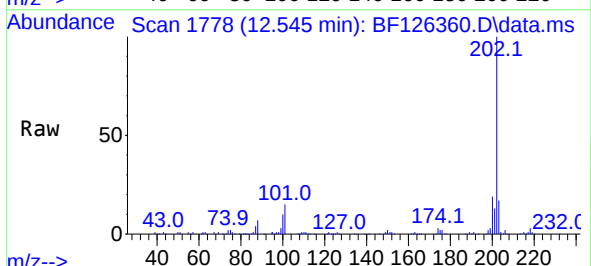
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 Ion Ratio Lower Upper
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 176 19.0 14.3 21.5
 179 15.5 12.2 18.4

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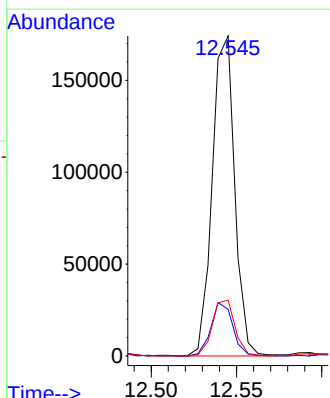
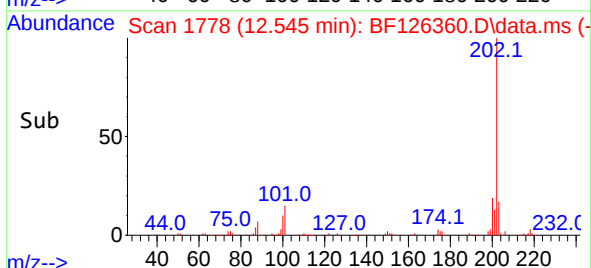
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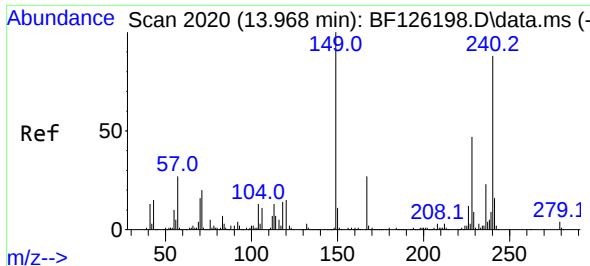


#75
 Fluoranthene
 Concen: 13.966 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BF126360.D
 Acq: 27 Dec 2021 17:32



Tgt Ion:202 Resp: 159752
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 30.7
 203 17.5 0.0 36.3





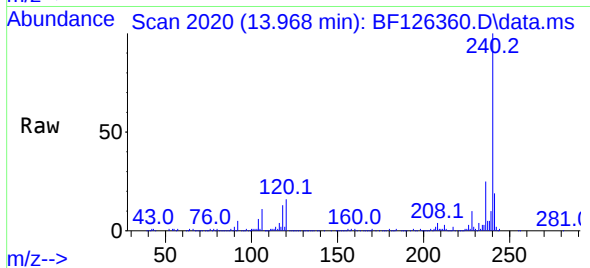
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 201279
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Instrument :

BNA_F

ClientSampleId :

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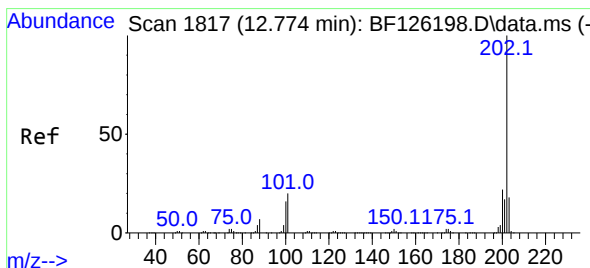
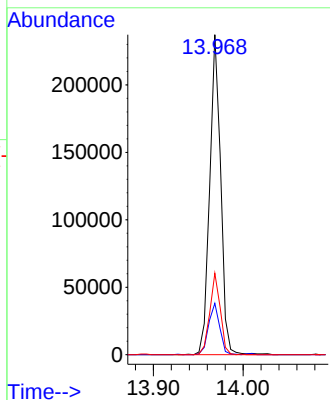
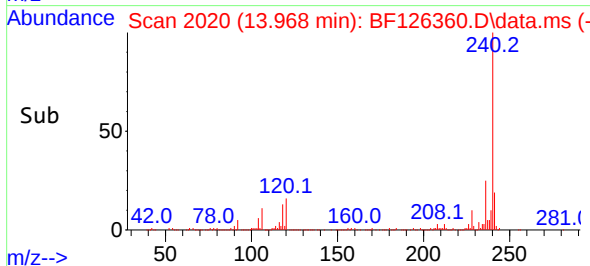


Tgt Ion:240 Resp: 201279
Ion Ratio Lower Upper
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236 25.5 21.6 32.4

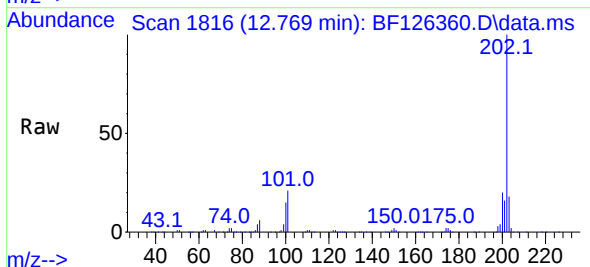
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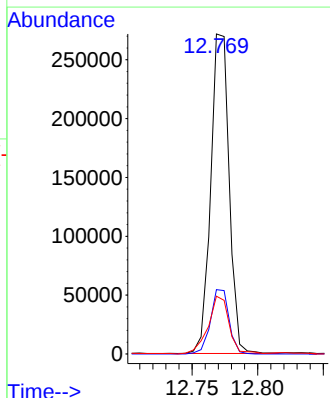
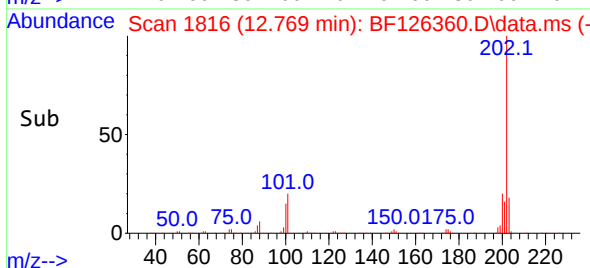
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

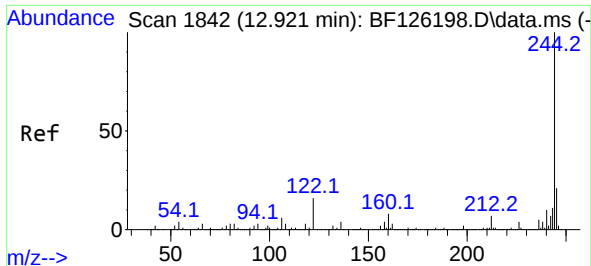


#78
Pyrene
Concen: 14.384 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32



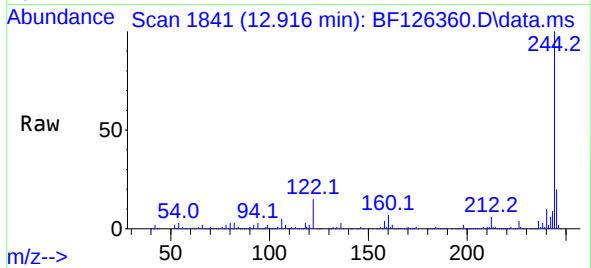
Tgt Ion:202 Resp: 265984
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 18.1 13.4 20.0





#79
Terphenyl-d14
Concen: 37.462 ng
RT: 12.916 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

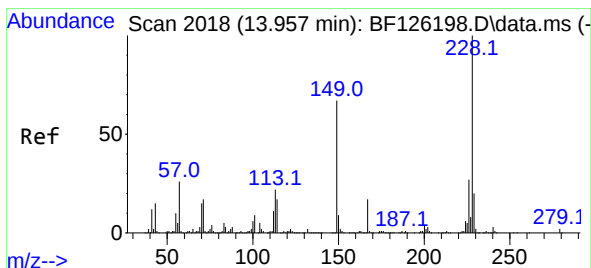
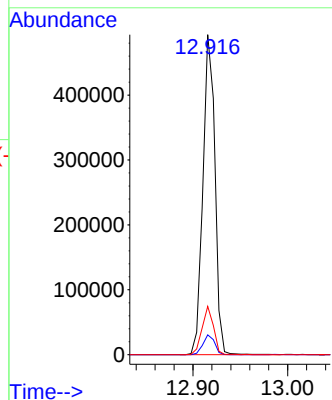
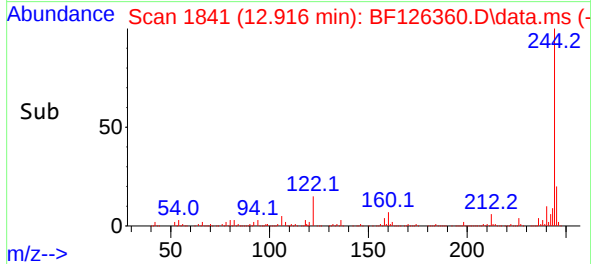
Instrument :
BNA_F
ClientSampleId :
SB-21-C2



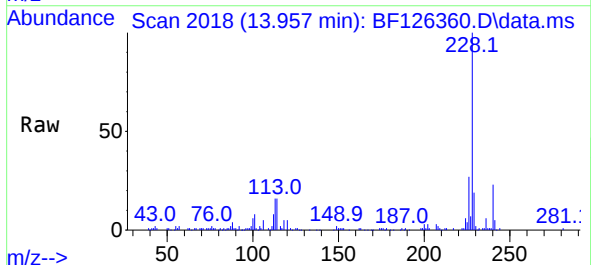
Tgt Ion:244 Resp: 433825
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 15.1 9.0 13.4

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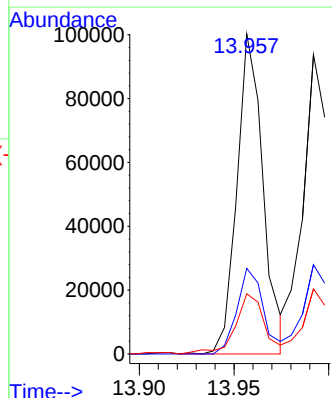
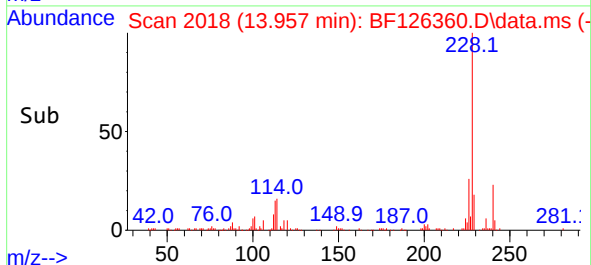
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

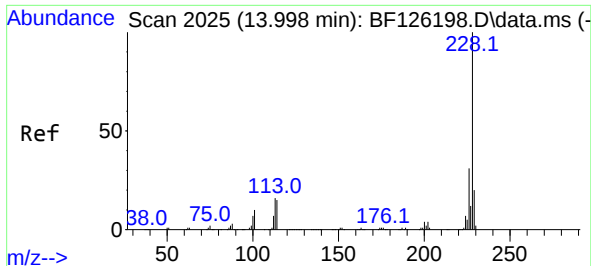


#81
Benzo(a)anthracene
Concen: 8.047 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32



Tgt Ion:228 Resp: 95944
Ion Ratio Lower Upper
228 100
226 26.7 21.6 32.4
229 18.8 15.6 23.4





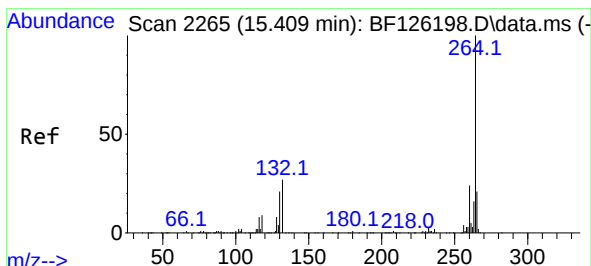
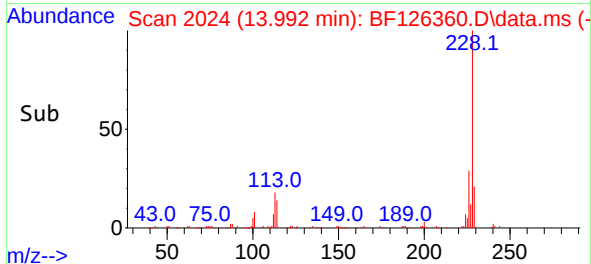
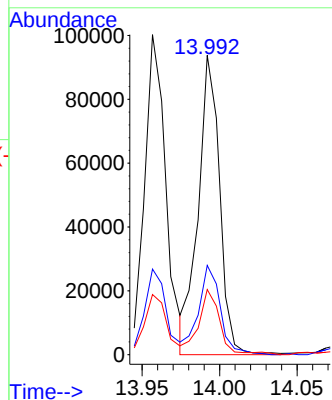
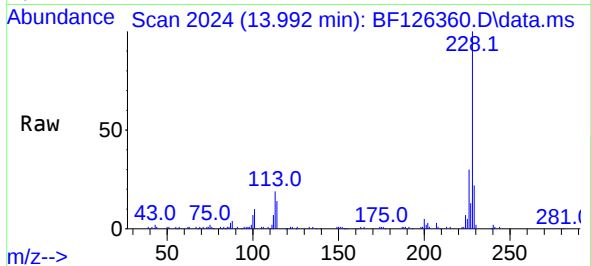
#83
Chrysene
Concen: 7.265 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Instrument :
BNA_F
ClientSampleId :
SB-21-C2

Tgt Ion:228 Resp: 89990
Ion Ratio Lower Upper
228 100
226 29.8 22.6 34.0
229 21.7 15.9 23.9

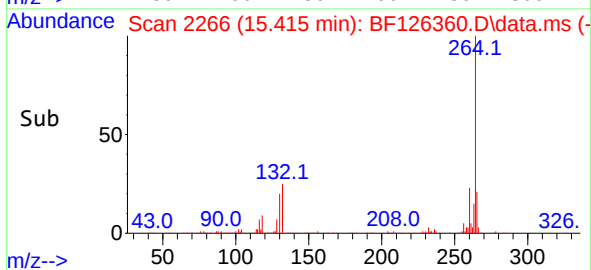
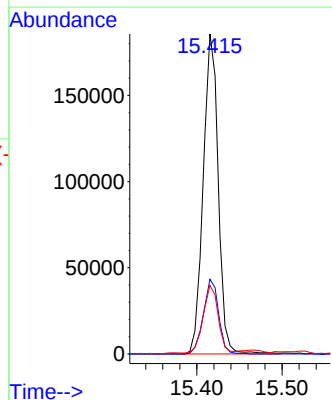
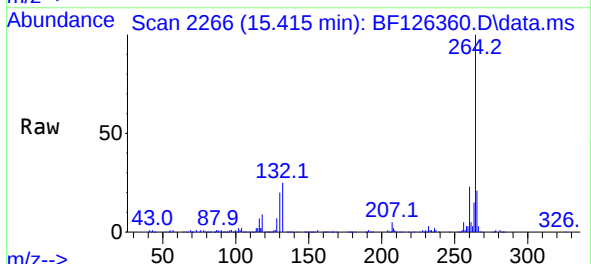
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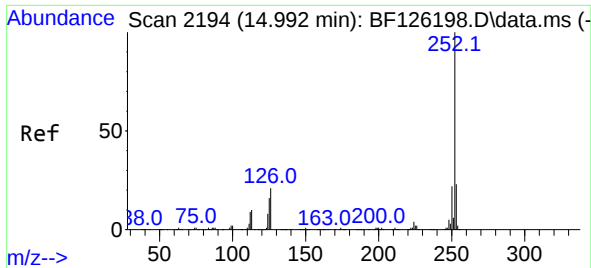
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:264 Resp: 227150
Ion Ratio Lower Upper
264 100
260 23.4 19.6 29.4
265 21.5 17.2 25.8





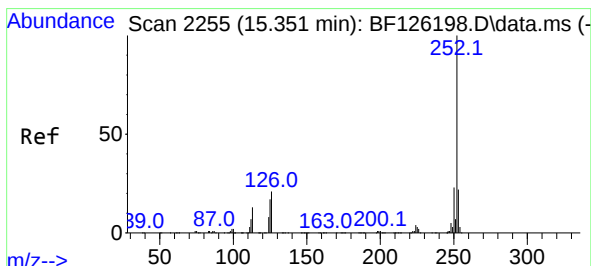
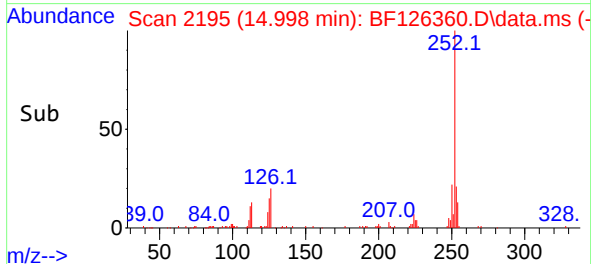
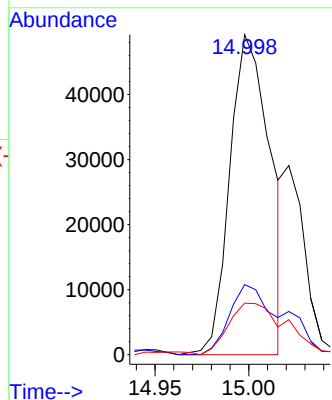
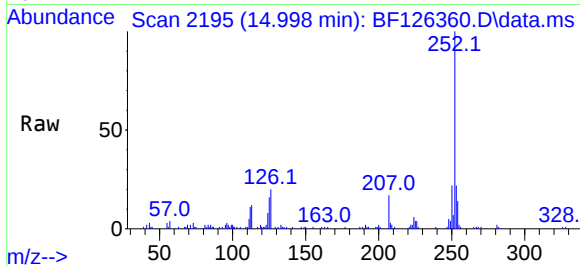
#88
Benzo(b)fluoranthene
Concen: 5.395 ng m
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Instrument :
BNA_F
ClientSampleId :
SB-21-C2

Tgt Ion:252 Resp: 73634
Ion Ratio Lower Upper
252 100
253 21.9 16.8 25.2
125 16.1 9.8 14.8

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 5.509 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.012 min
Lab File: BF126360.D
Acq: 27 Dec 2021 17:32

Tgt Ion:252 Resp: 62496
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 17.3 9.9 14.9

