

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
 Data File : BF126318.D
 Acq On : 22 Dec 2021 2:29
 Operator : JU/CG
 Sample : M5184-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/22/2021
 Supervised By :mohammad ahmed 12/27/2021

Quant Time: Dec 22 05:24:39 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	191960	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	837983	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	411906	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	669289	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	418952	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	319415	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1156481	88.721	ng	0.01
7) Phenol-d6	6.445	99	1502848	90.800	ng	0.00
23) Nitrobenzene-d5	7.375	82	990339	64.006	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	340130	102.750	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1482441	63.122	ng	0.00
79) Terphenyl-d14	12.927	244	1302516	54.038	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.545	202	155117	4.984	ng	91
78) Pyrene	12.774	202	133424	3.466	ng	97
81) Benzo(a)anthracene	13.963	228	61527	2.479	ng	98
83) Chrysene	13.998	228	78270	3.036	ng	95
88) Benzo(b)fluoranthene	15.004	252	92453m	4.817	ng	
90) Benzo(a)pyrene	15.357	252	54937	3.444	ng	# 94

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

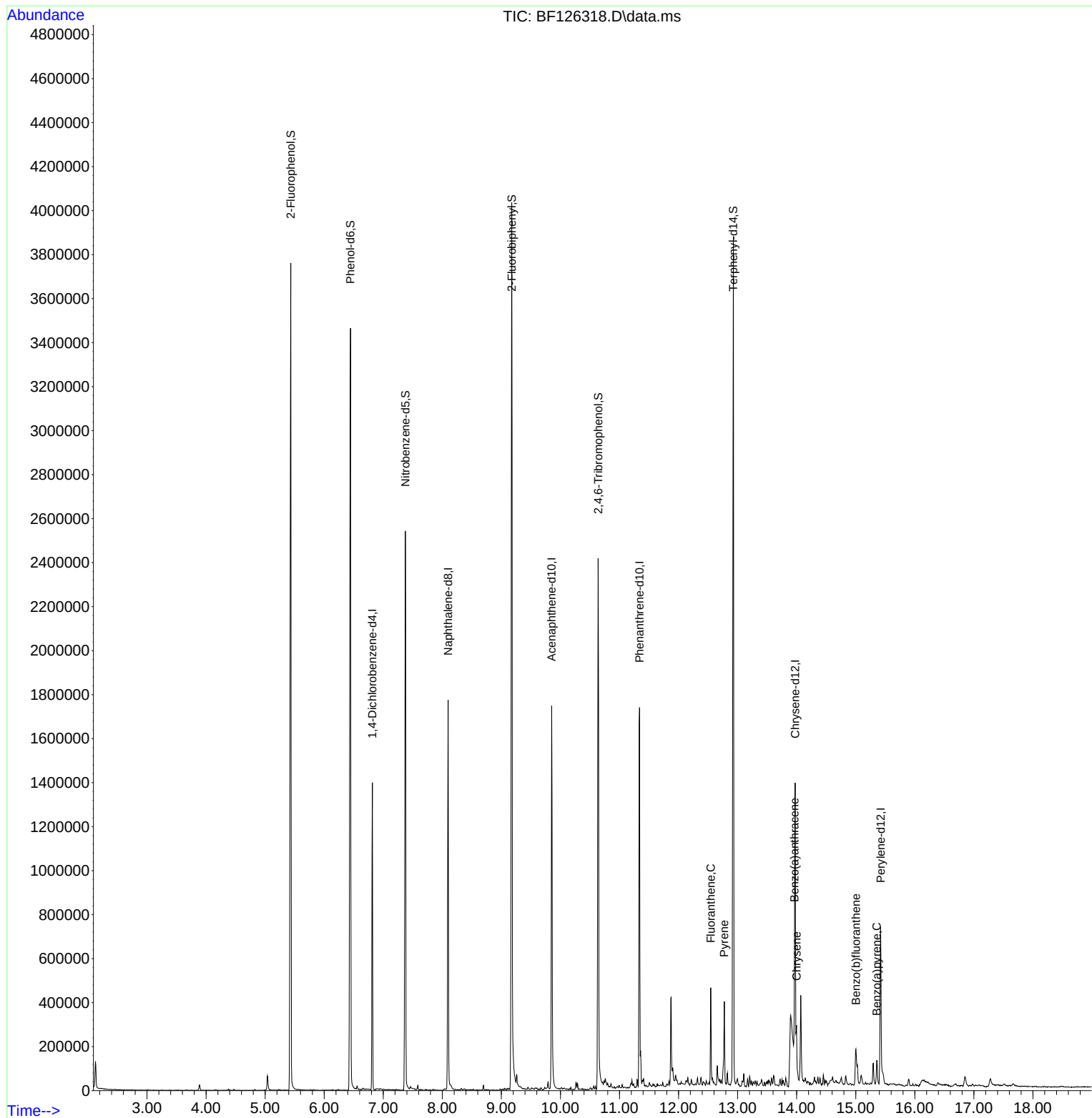
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
Data File : BF126318.D
Acq On : 22 Dec 2021 2:29
Operator : JU/CG
Sample : M5184-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

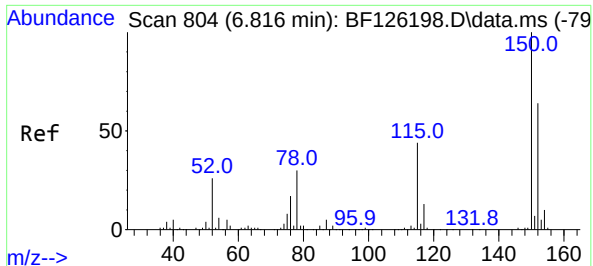
Instrument :
BNA_F
ClientSampleId :
SB-2

Quant Time: Dec 22 05:24:39 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

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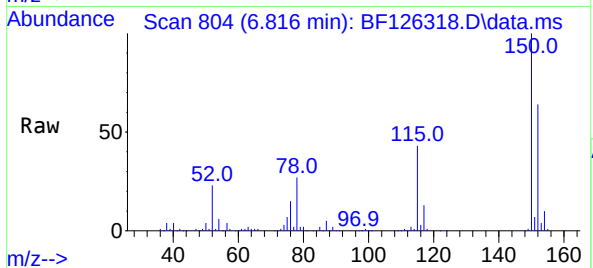
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Supervised By :mohammad ahmed 12/27/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

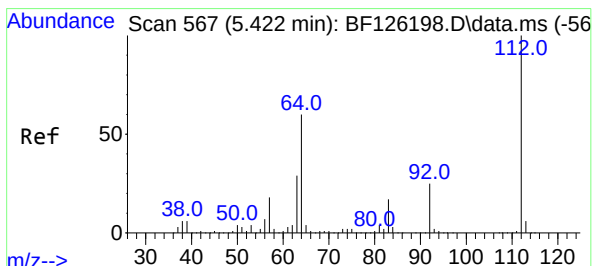
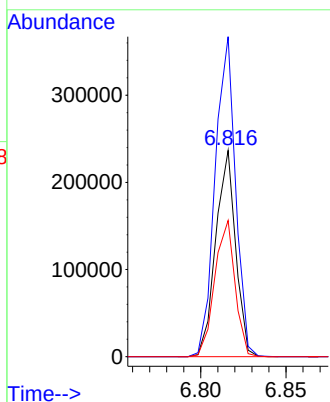
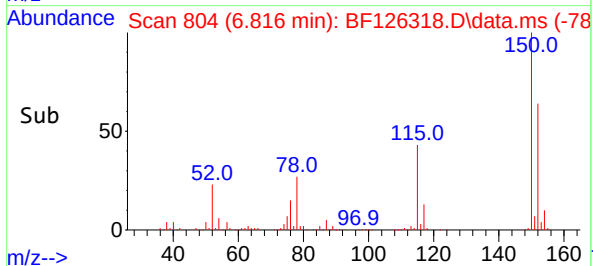
Instrument :
BNA_F
ClientSampleId :
SB-2



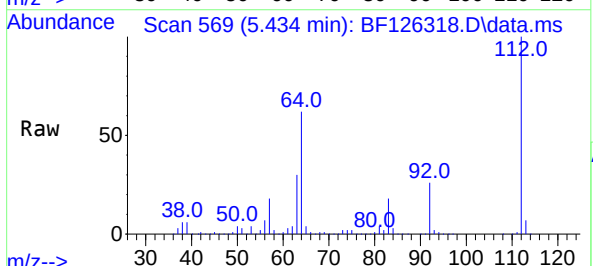
Tgt Ion:152 Resp: 191960
Ion Ratio Lower Upper
152 100
150 155.1 117.6 176.4
115 66.0 47.1 70.7

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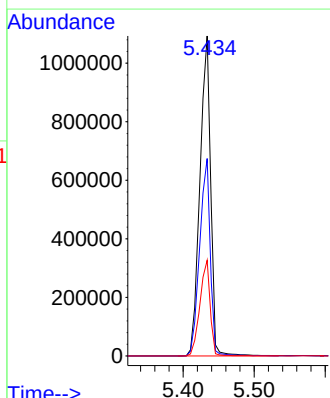
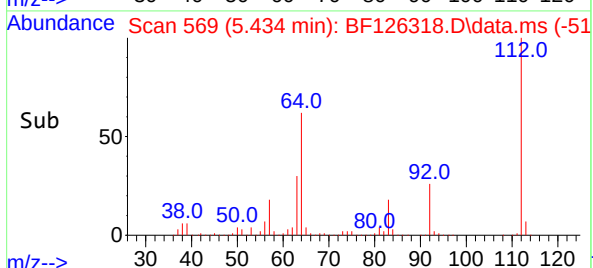
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



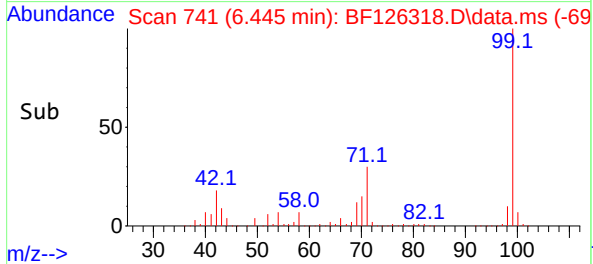
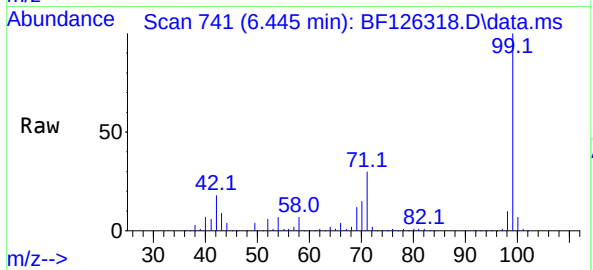
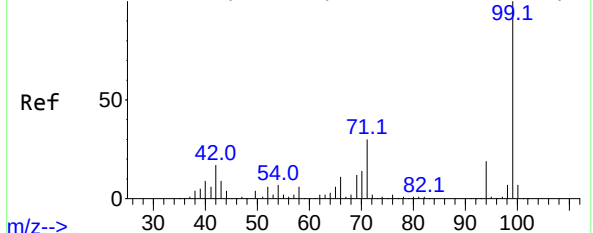
#5
2-Fluorophenol
Concen: 88.721 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29



Tgt Ion:112 Resp: 1156481
Ion Ratio Lower Upper
112 100
64 61.7 44.2 66.2
63 29.9 26.2 39.2



Abundance Scan 741 (6.445 min): BF126198.D\data.ms (-73



#7

Phenol-d6

Concen: 90.800 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF126318.D

Acq: 22 Dec 2021 2:29

Instrument :

BNA_F

ClientSampleId :

SB-2

Tgt Ion: 99 Resp: 150284

Ion Ratio Lower Upper

99 100

42 17.6 23.5 35.3

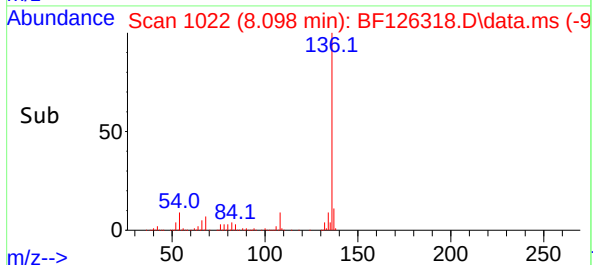
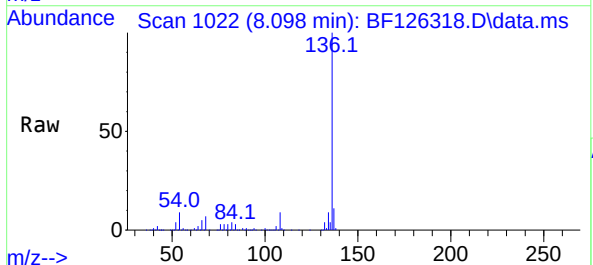
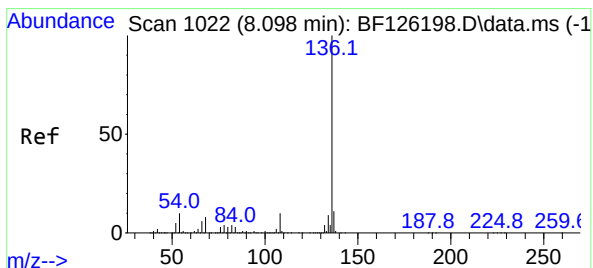
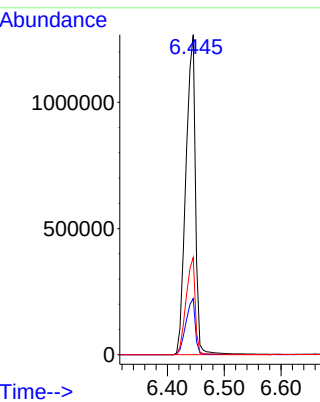
71 30.4 25.6 38.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BF126318.D

Acq: 22 Dec 2021 2:29

Tgt Ion:136 Resp: 837983

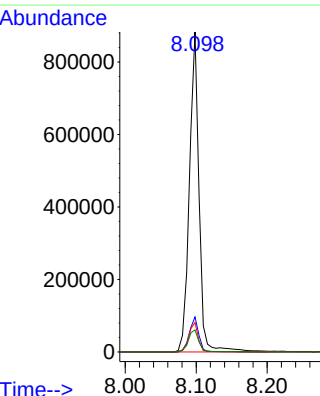
Ion Ratio Lower Upper

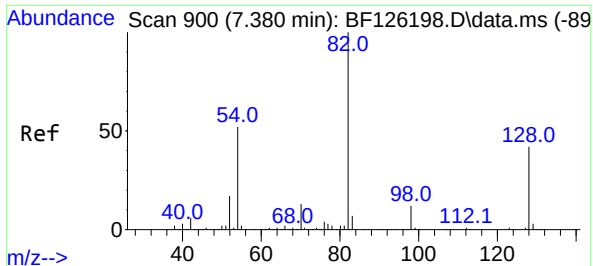
136 100

137 11.0 9.8 14.6

54 9.2 6.4 9.6

68 6.9 3.3 4.9





#23

Nitrobenzene-d5

Concen: 64.006 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126318.D

Acq: 22 Dec 2021 2:29

Instrument :

BNA_F

ClientSampleId :

SB-2

Tgt Ion: 82 Resp: 990339

Ion Ratio Lower Upper

82 100

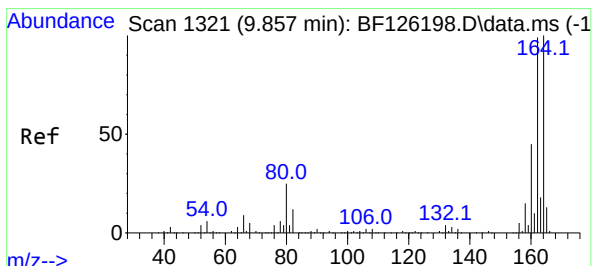
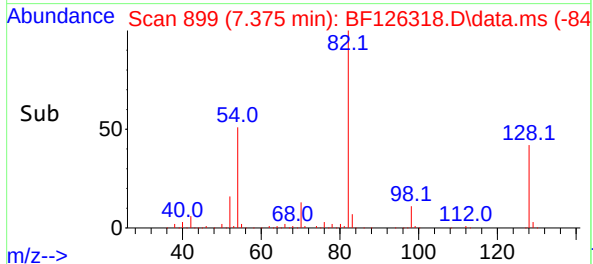
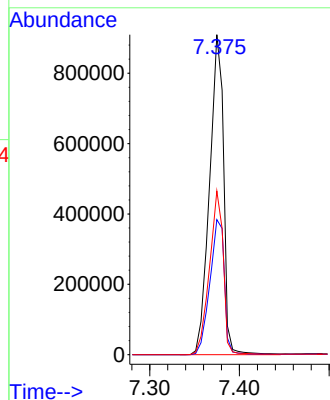
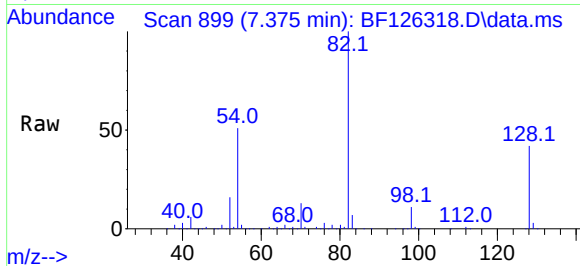
128 42.2 40.6 60.8

54 51.2 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: BF126318.D

Acq: 22 Dec 2021 2:29

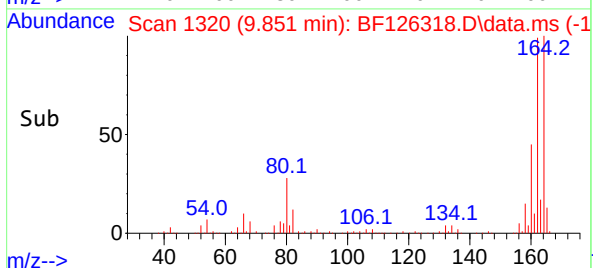
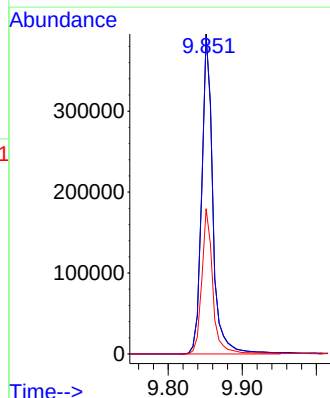
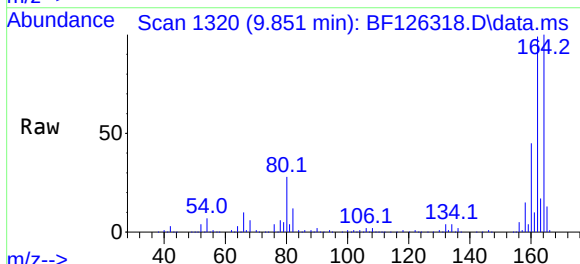
Tgt Ion:164 Resp: 411906

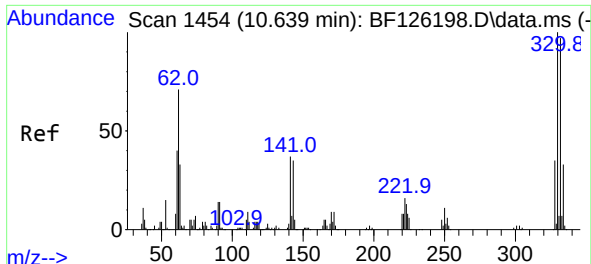
Ion Ratio Lower Upper

164 100

162 99.4 81.3 121.9

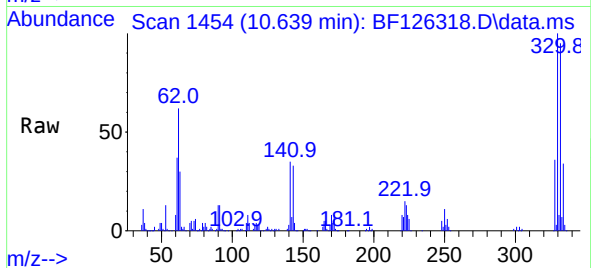
160 45.4 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 102.750 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

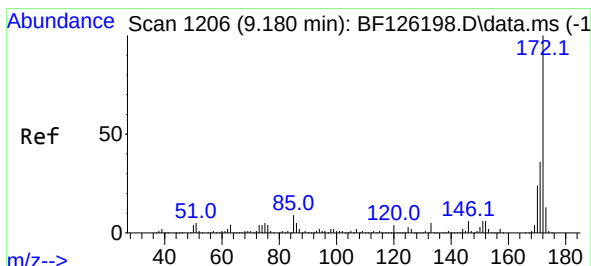
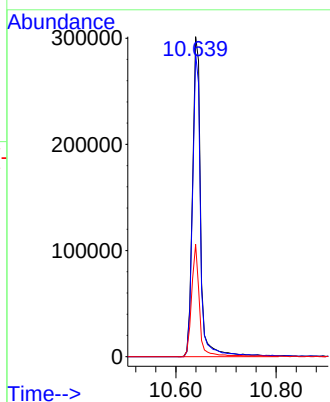
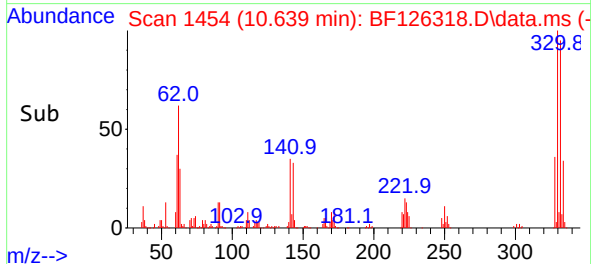
Instrument :
BNA_F
ClientSampleId :
SB-2



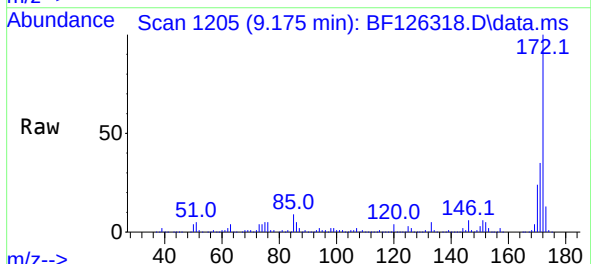
Tgt Ion: 330 Resp: 340130
Ion Ratio Lower Upper
330 100
332 93.5 76.2 114.4
141 33.1 44.6 66.8

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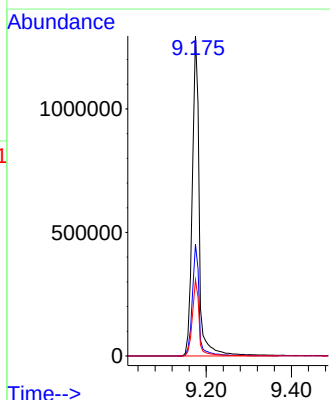
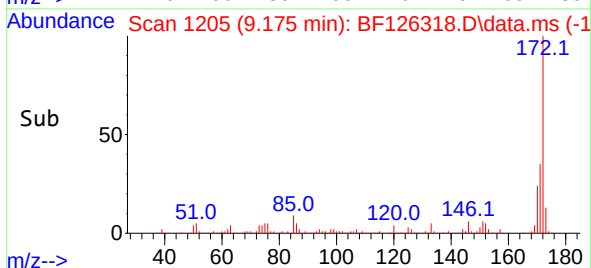
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Supervised By : mohammad ahmed 12/27/2021

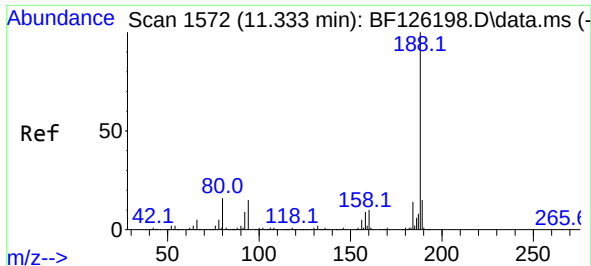


#45
2-Fluorobiphenyl
Concen: 63.122 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29



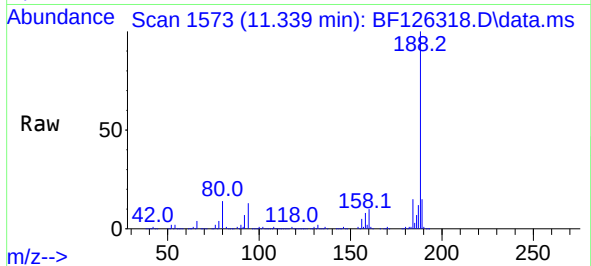
Tgt Ion: 172 Resp: 1482441
Ion Ratio Lower Upper
172 100
171 34.9 26.5 39.7
170 23.8 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

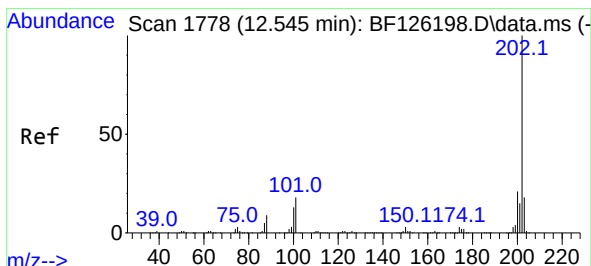
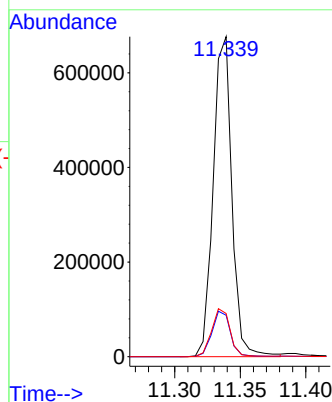
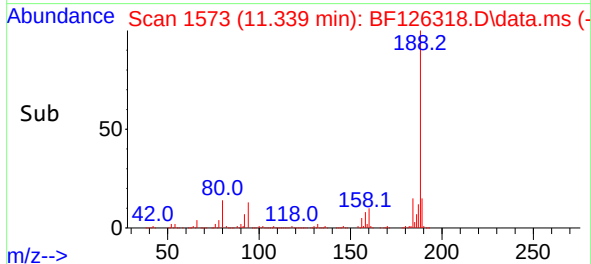
Instrument :
BNA_F
ClientSampleId :
SB-2



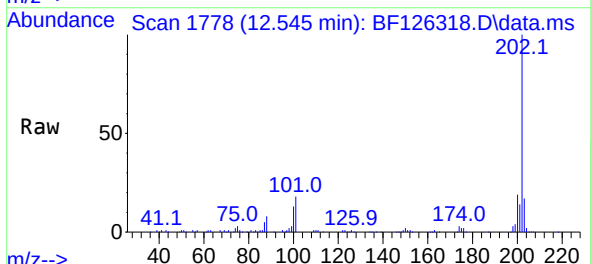
Tgt Ion:188 Resp: 669289
Ion Ratio Lower Upper
188 100
94 12.9 6.7 10.1
80 13.5 7.5 11.3

Manual Integrations
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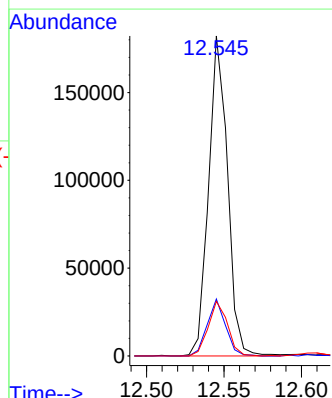
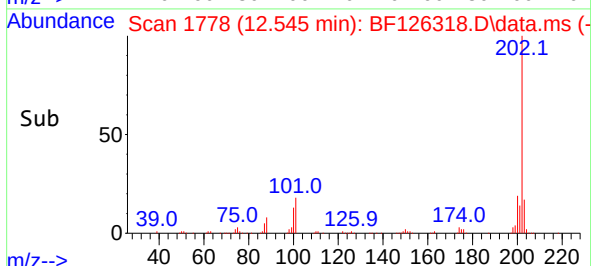
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

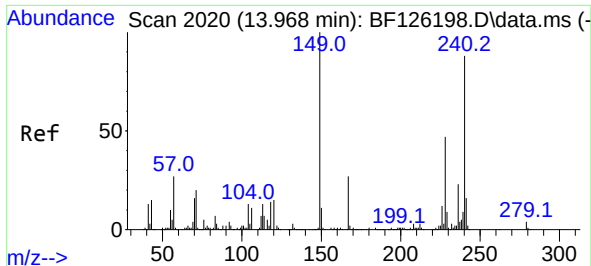


#75
Fluoranthene
Concen: 4.984 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29



Tgt Ion:202 Resp: 155117
Ion Ratio Lower Upper
202 100
101 17.8 0.0 30.7
203 17.1 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Instrument :

BNA_F

ClientSampleId :

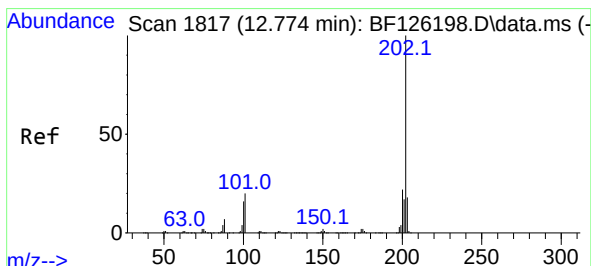
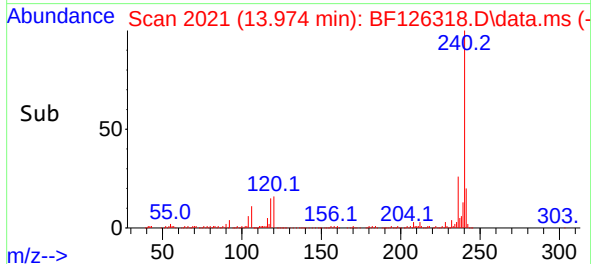
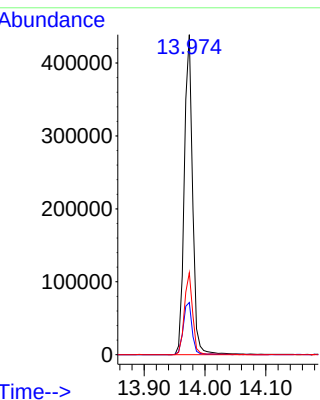
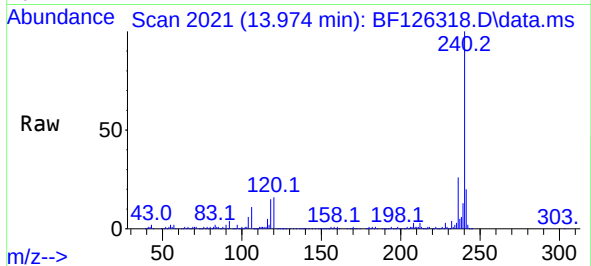
SB-2

Tgt Ion:240 Resp: 418952
Ion Ratio Lower Upper
240 100
120 16.3 10.8 16.2
236 25.6 21.6 32.4

Manual Integrations

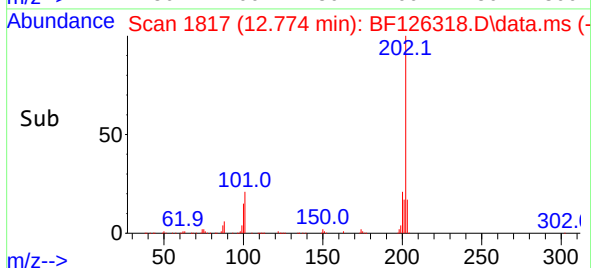
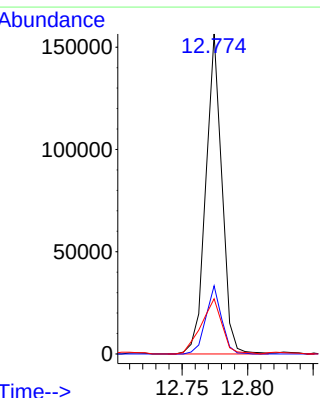
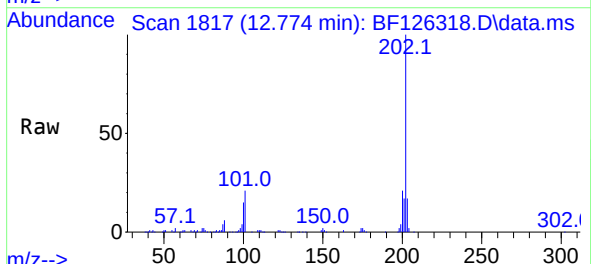
APPROVED

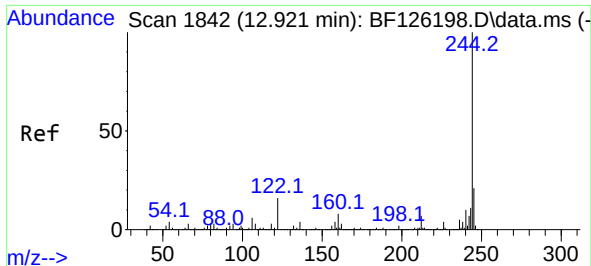
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#78
Pyrene
Concen: 3.466 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

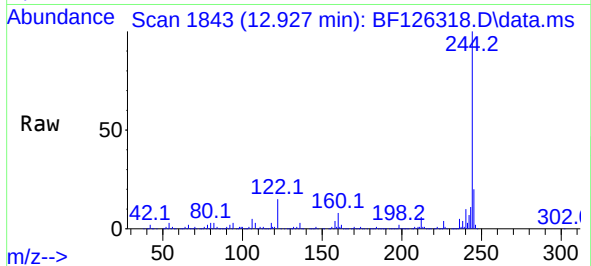
Tgt Ion:202 Resp: 133424
Ion Ratio Lower Upper
202 100
200 21.3 15.3 22.9
203 17.3 13.4 20.0





#79
Terphenyl-d14
Concen: 54.038 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

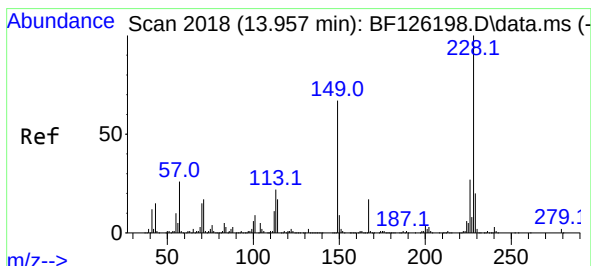
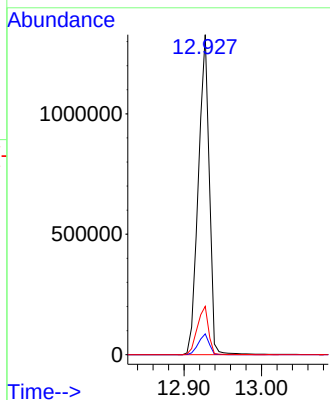
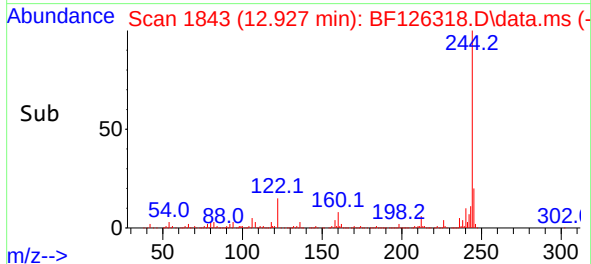
Instrument :
BNA_F
ClientSampleId :
SB-2



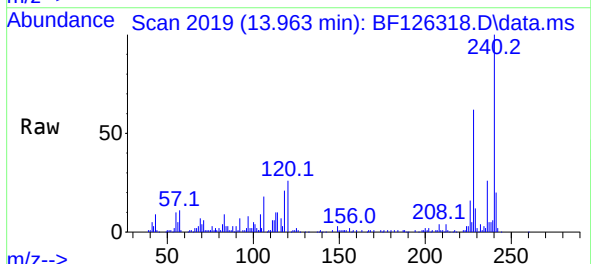
Tgt Ion:244 Resp: 1302510
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 15.1 9.0 13.4

Manual Integrations
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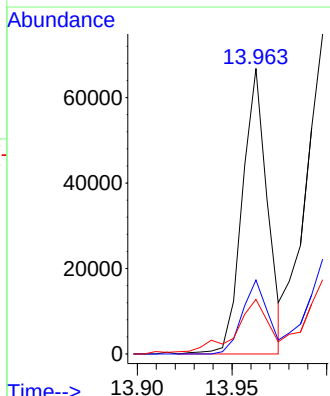
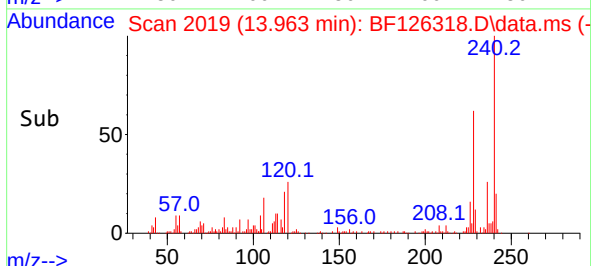
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

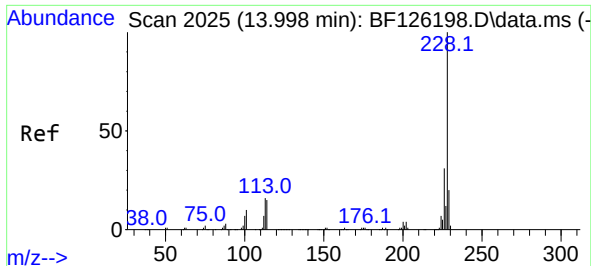


#81
Benzo(a)anthracene
Concen: 2.479 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29



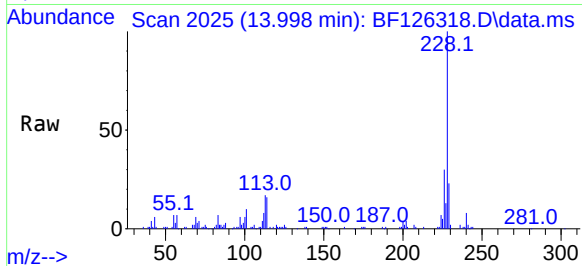
Tgt Ion:228 Resp: 61527
Ion Ratio Lower Upper
228 100
226 25.9 21.6 32.4
229 19.1 15.6 23.4





#83
Chrysene
Concen: 3.036 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

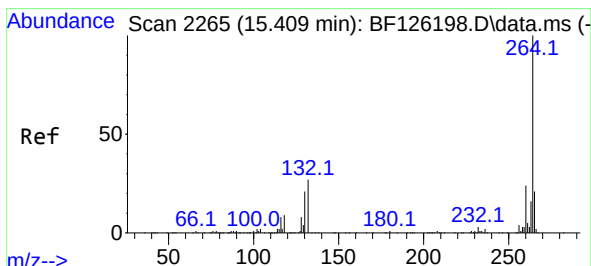
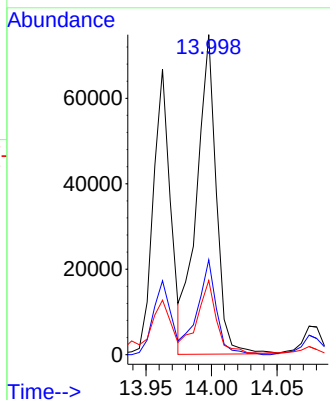
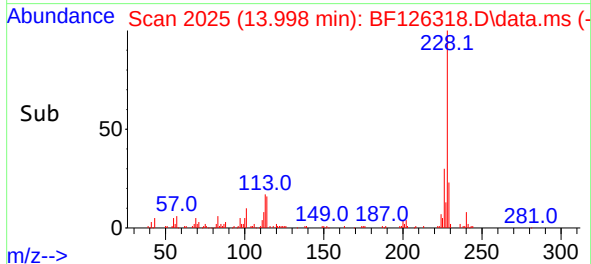
Instrument :
BNA_F
ClientSampleId :
SB-2



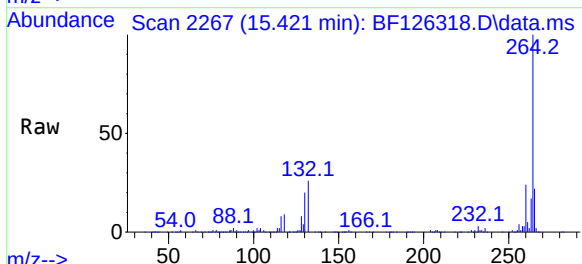
Tgt Ion:228 Resp: 78270
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 23.2 15.9 23.9

Manual Integrations
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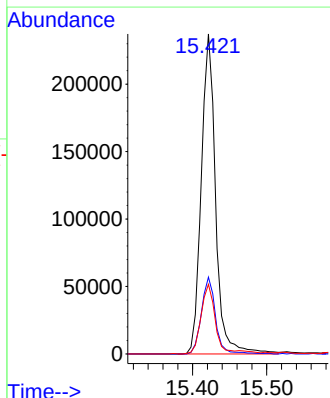
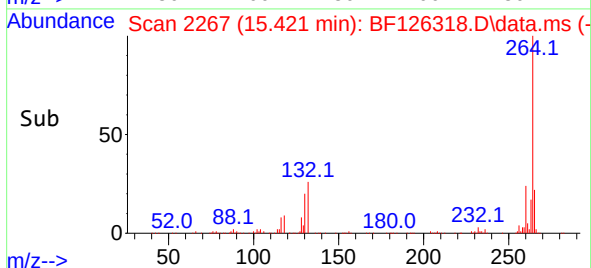
Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021

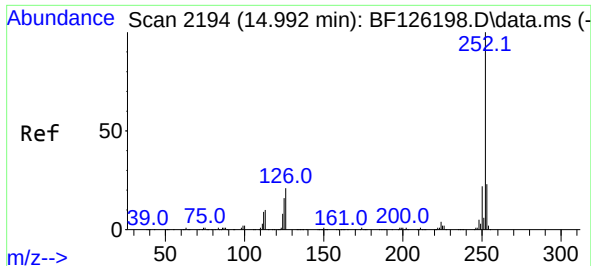


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29



Tgt Ion:264 Resp: 319415
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 21.7 17.2 25.8





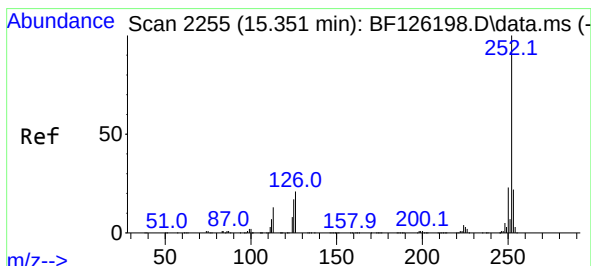
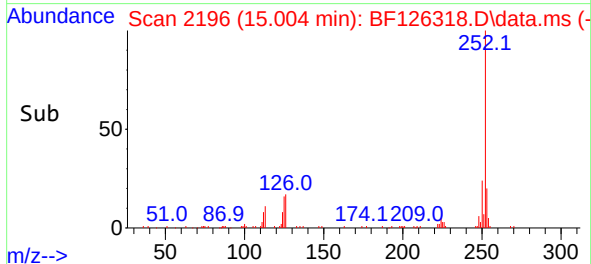
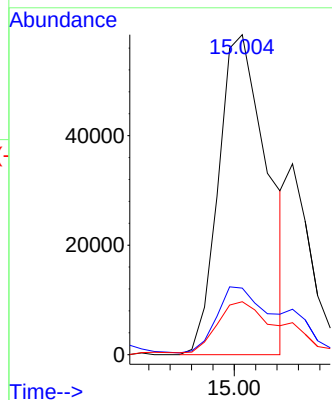
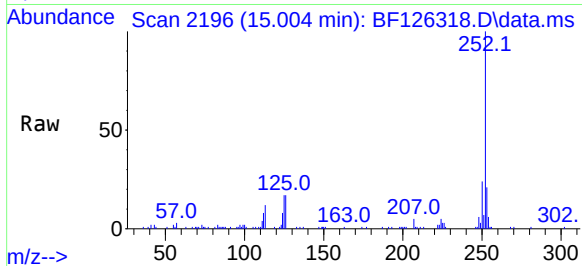
#88
Benzo(b)fluoranthene
Concen: 4.817 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Instrument :
BNA_F
ClientSampleId :
SB-2

Tgt Ion:252 Resp: 9245
Ion Ratio Lower Upper
252 100
253 20.8 16.8 25.2
125 16.6 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/22/2021
Supervised By :mohammad ahmed 12/27/2021



#90
Benzo(a)pyrene
Concen: 3.444 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126318.D
Acq: 22 Dec 2021 2:29

Tgt Ion:252 Resp: 54937
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 18.3 9.9 14.9

