

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126260.D
 Acq On : 18 Dec 2021 18:17
 Operator : JU/CG
 Sample : M5168-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-C

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/20/2021
 Supervised By : mohammad ahmed 12/29/2021

Quant Time: Dec 20 08:03:37 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	221394	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	942507	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	467490	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	771617	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	480882	20.000	ng	0.00
86) Perylene-d12	15.415	264	381542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	958307	63.744	ng	0.00
7) Phenol-d6	6.439	99	1856962	97.279	ng	0.00
23) Nitrobenzene-d5	7.375	82	1285094	73.845	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	122590	32.630	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1735770	65.121	ng	0.00
79) Terphenyl-d14	12.927	244	1524343	55.096	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.886	154	60774	2.358	ng	98
58) Fluorene	10.398	166	58012	2.284	ng	97
71) Phenanthrene	11.363	178	981894	24.655	ng	97
72) Anthracene	11.410	178	146534	3.666	ng	98
75) Fluoranthene	12.545	202	429895	11.981	ng	90
78) Pyrene	12.774	202	636589	14.409	ng	97
81) Benzo(a)anthracene	13.962	228	178625	6.271	ng	100
83) Chrysene	13.998	228	173280	5.855	ng	99
88) Benzo(b)fluoranthene	14.998	252	98807m	4.310	ng	
90) Benzo(a)pyrene	15.351	252	75610	3.968	ng	# 94

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

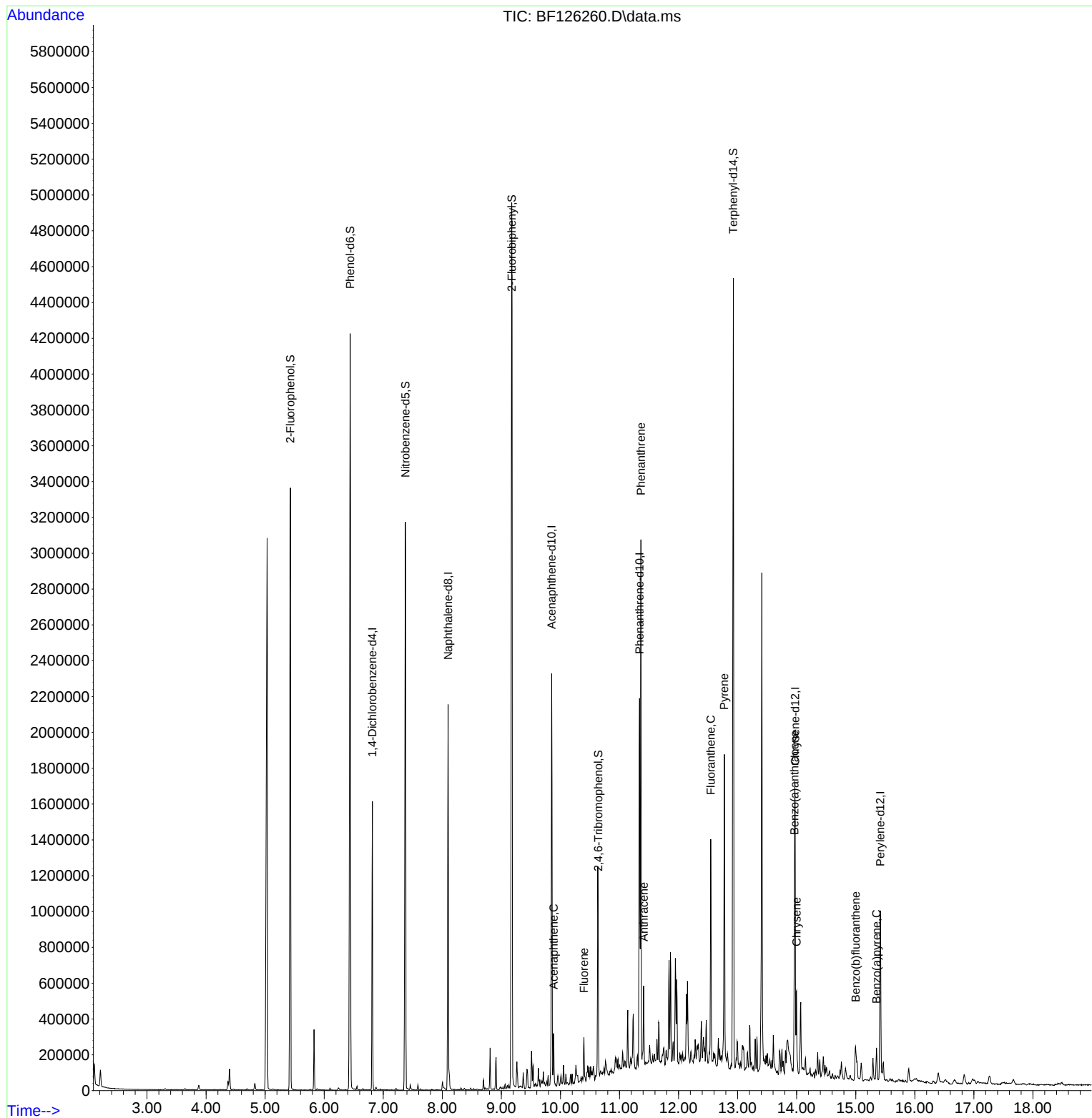
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126260.D
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
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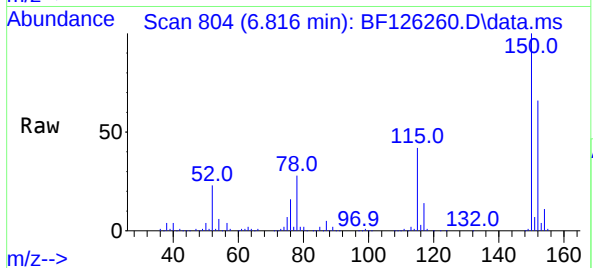
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

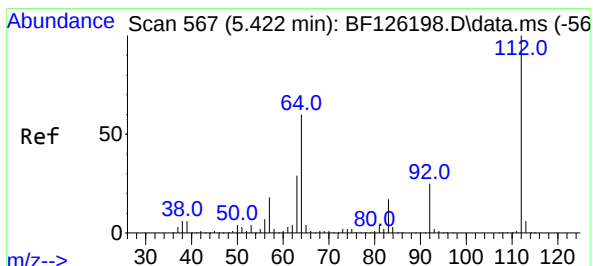
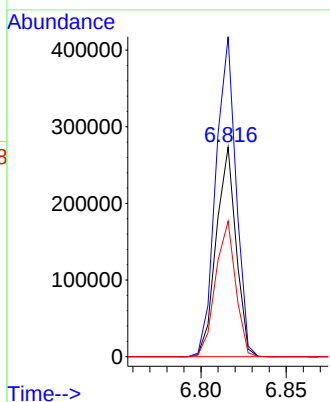
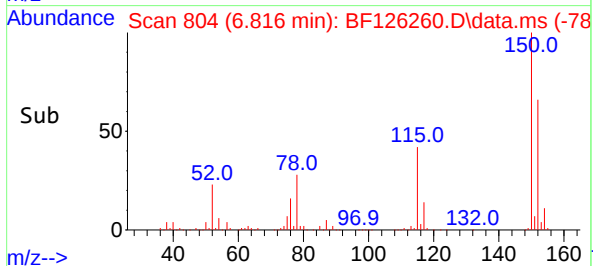
Instrument :
BNA_F
ClientSampleId :
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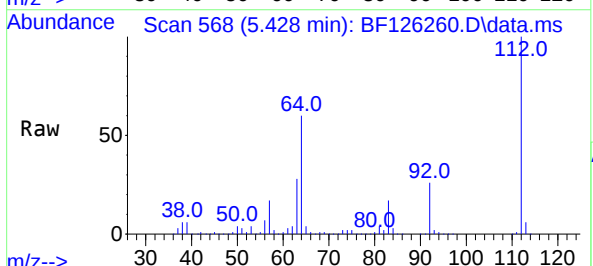
Tgt Ion:152 Resp: 221394
Ion Ratio Lower Upper
152 100
150 152.7 117.6 176.4
115 64.6 47.1 70.7

Manual Integrations
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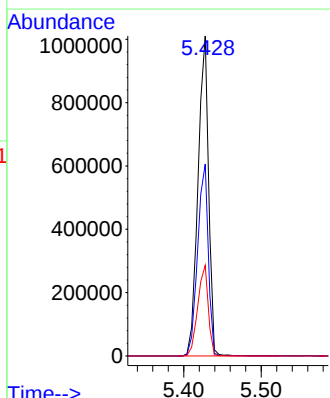
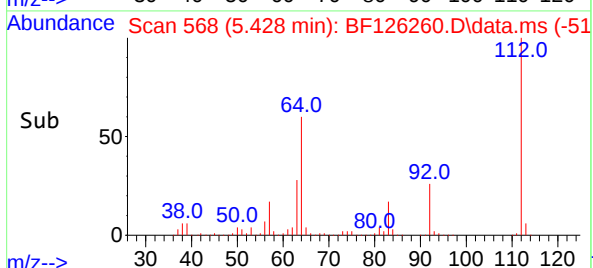
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



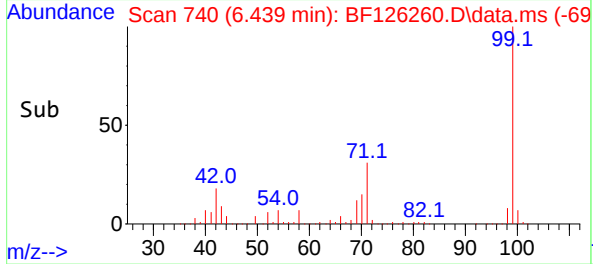
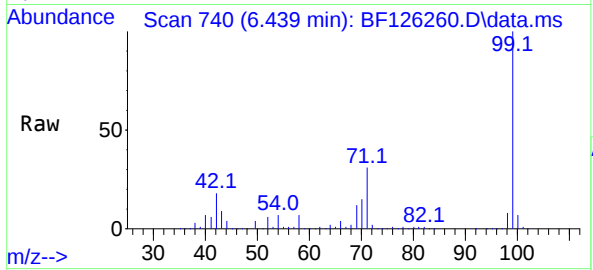
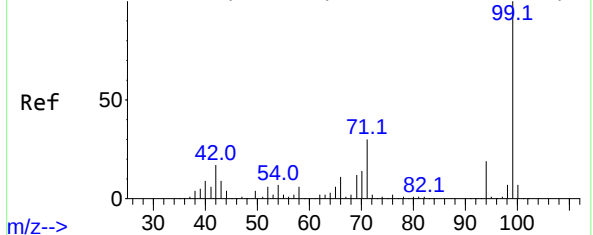
#5
2-Fluorophenol
Concen: 63.744 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



Tgt Ion:112 Resp: 958307
Ion Ratio Lower Upper
112 100
64 60.0 44.2 66.2
63 28.4 26.2 39.2



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



#7

Phenol-d6

Concen: 97.279 ng

RT: 6.439 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF126260.D

Acq: 18 Dec 2021 18:17

Instrument :

BNA_F

ClientSampleId :

SB-01-C

Tgt Ion: 99 Resp: 185696

Ion Ratio Lower Upper

99 100

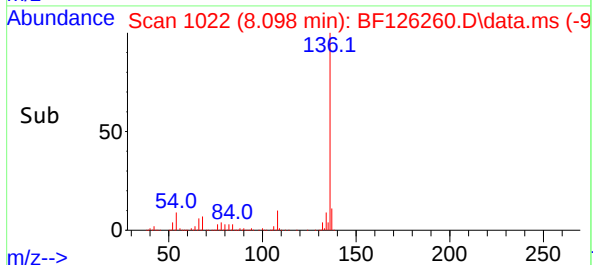
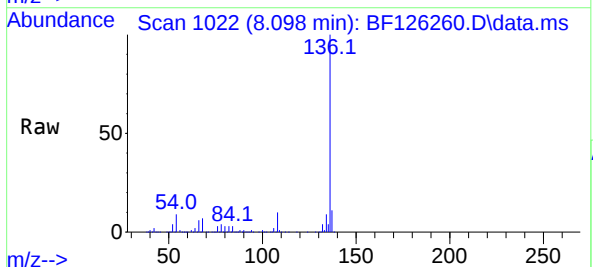
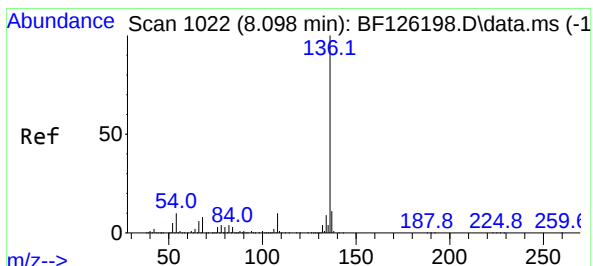
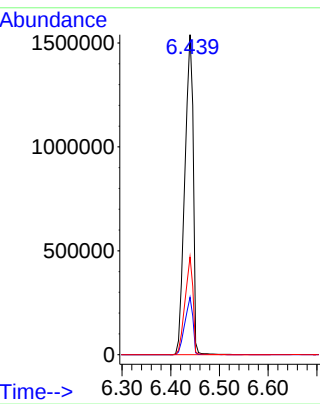
42 18.0 23.5 35.3

71 30.6 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: BF126260.D

Acq: 18 Dec 2021 18:17

Tgt Ion:136 Resp: 942507

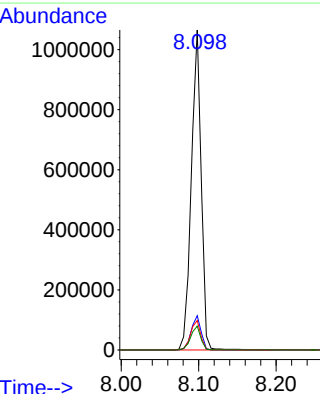
Ion Ratio Lower Upper

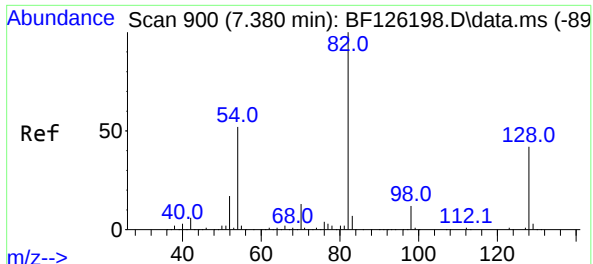
136 100

137 10.7 9.8 14.6

54 9.2 6.4 9.6

68 7.4 3.3 4.9





#23

Nitrobenzene-d5

Concen: 73.845 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126260.D

Acq: 18 Dec 2021 18:17

Instrument :

BNA_F

ClientSampleId :

SB-01-C

Tgt Ion: 82 Resp: 1285094

Ion Ratio Lower Upper

82 100

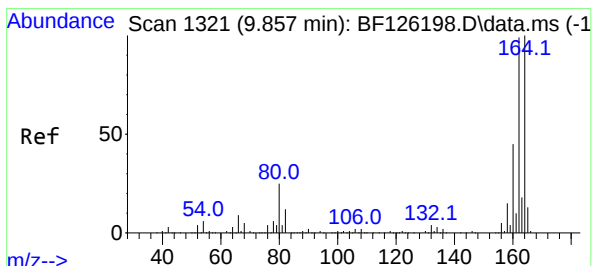
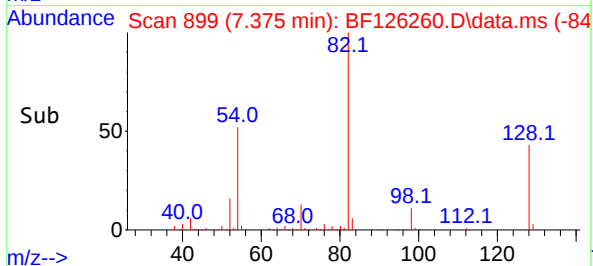
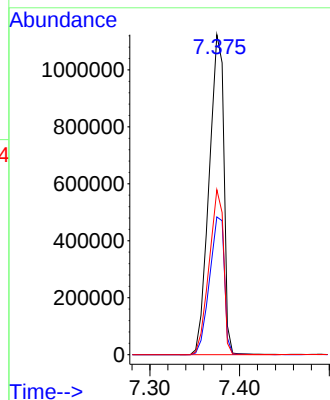
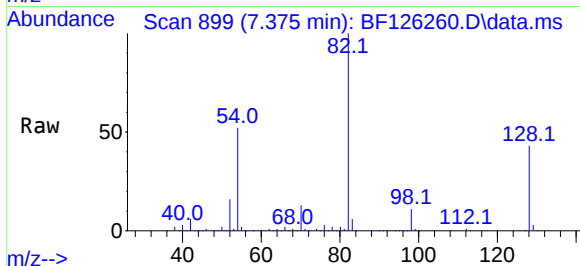
128 43.1 40.6 60.8

54 51.5 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: BF126260.D

Acq: 18 Dec 2021 18:17

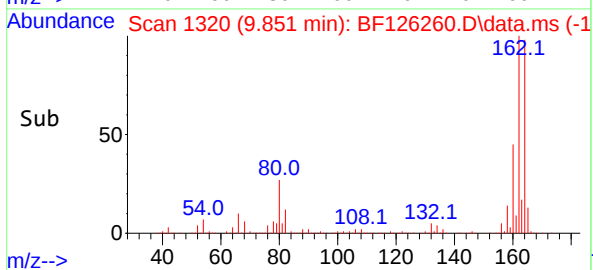
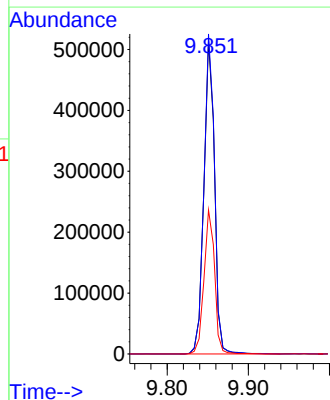
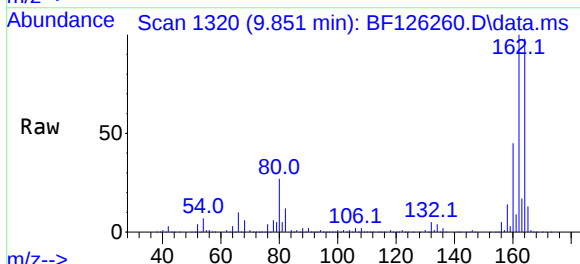
Tgt Ion:164 Resp: 467490

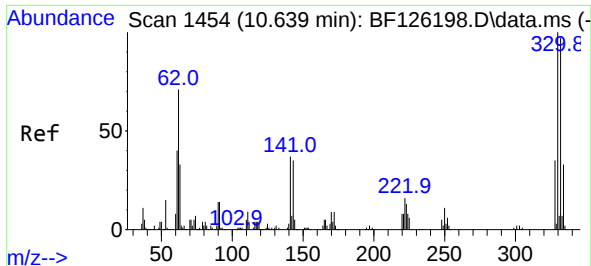
Ion Ratio Lower Upper

164 100

162 102.3 81.3 121.9

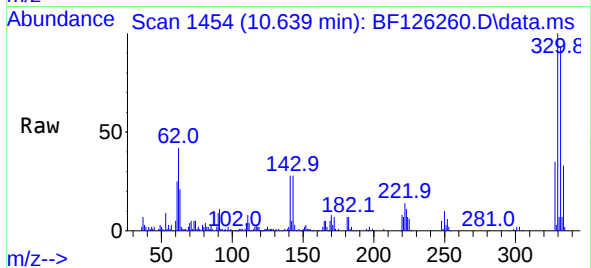
160 46.0 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 32.630 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

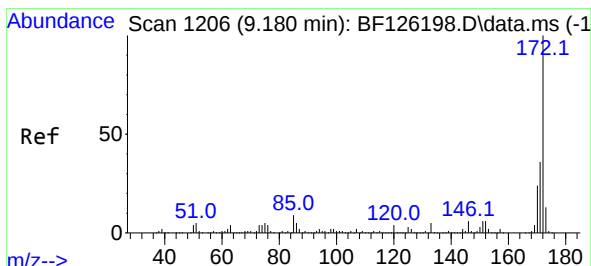
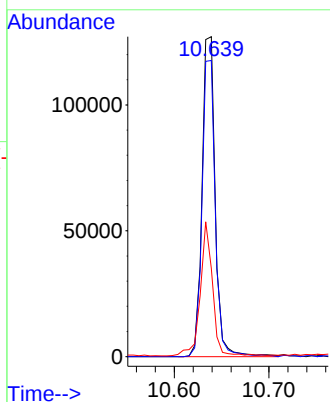
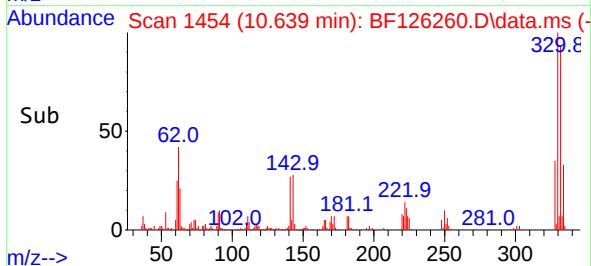
Instrument :
BNA_F
ClientSampleId :
SB-01-C



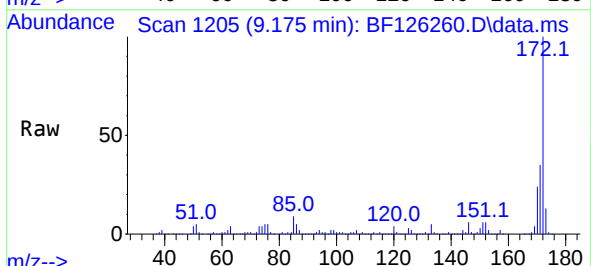
Tgt Ion:330 Resp: 122590
Ion Ratio Lower Upper
330 100
332 92.7 76.2 114.4
141 38.9 44.6 66.8

Manual Integrations
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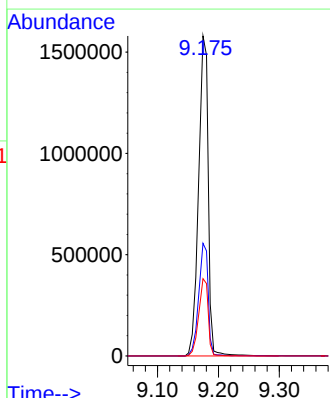
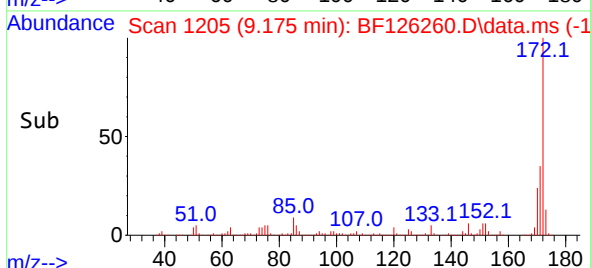
Reviewed By :Christian Giraldo 12/20/2021
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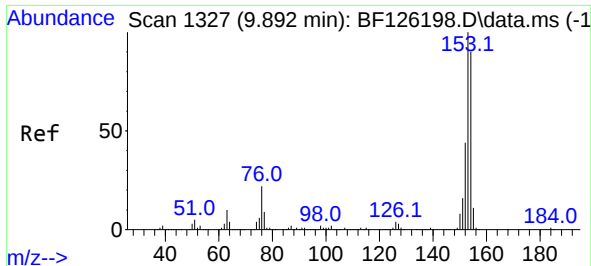


#45
2-Fluorobiphenyl
Concen: 65.121 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



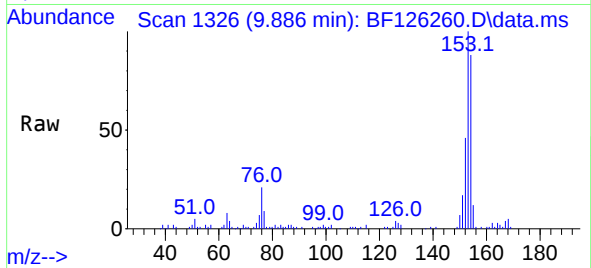
Tgt Ion:172 Resp: 1735770
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 24.1 18.8 28.2





#52
Acenaphthene
Concen: 2.358 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

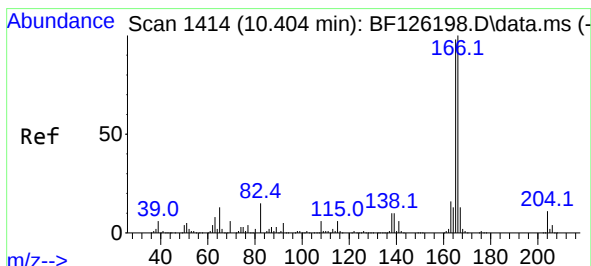
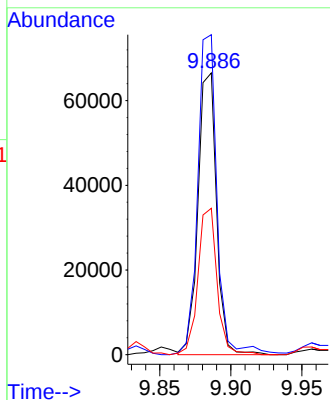
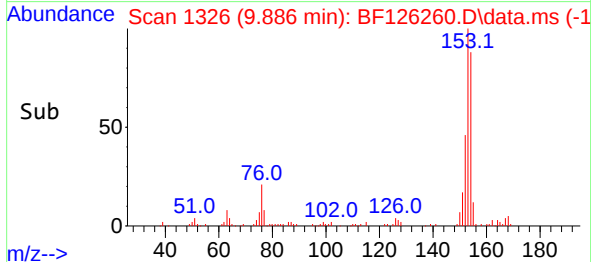
Instrument :
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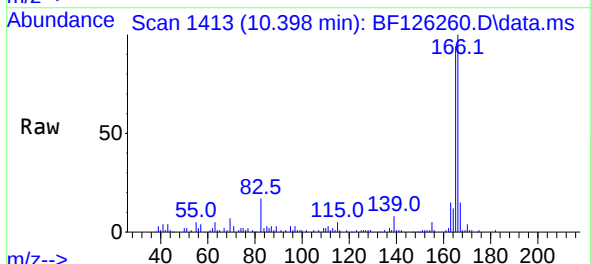
Tgt Ion:154 Resp: 60774
Ion Ratio Lower Upper
154 100
153 113.6 89.4 134.2
152 51.9 40.5 60.7

Manual Integrations
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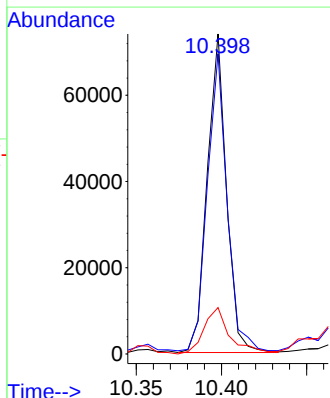
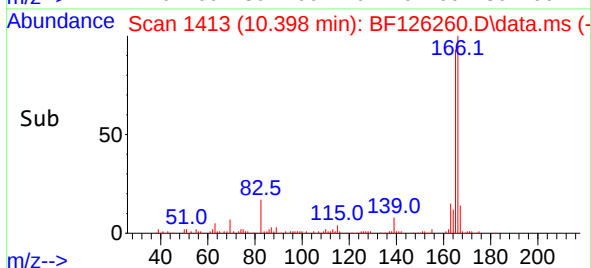
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

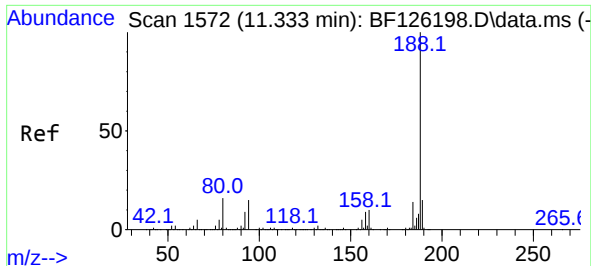


#58
Fluorene
Concen: 2.284 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



Tgt Ion:166 Resp: 58012
Ion Ratio Lower Upper
166 100
165 93.9 78.1 117.1
167 14.5 11.1 16.7





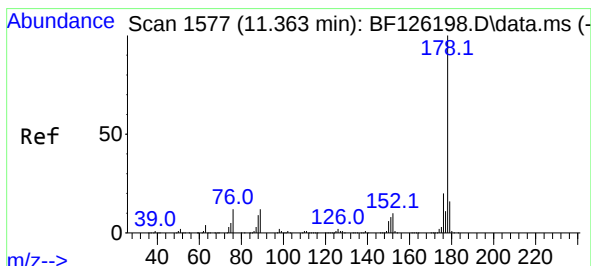
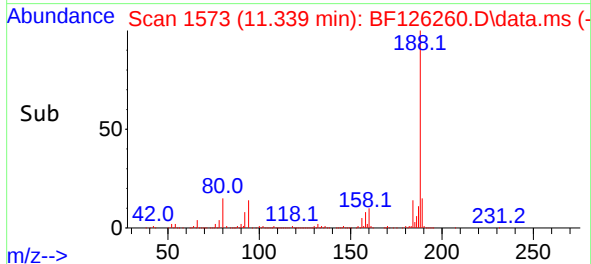
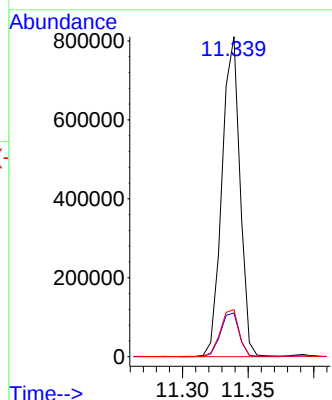
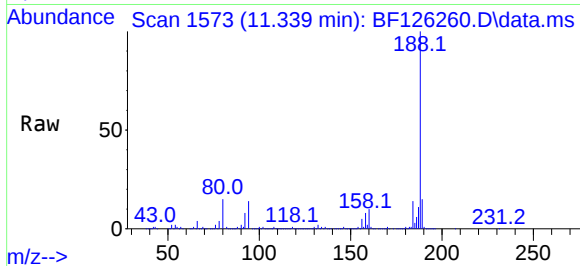
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

Instrument :
BNA_F
ClientSampleId :
SB-01-C

Tgt Ion:188 Resp: 77161
Ion Ratio Lower Upper
188 100
94 13.7 6.7 10.1
80 14.7 7.5 11.3

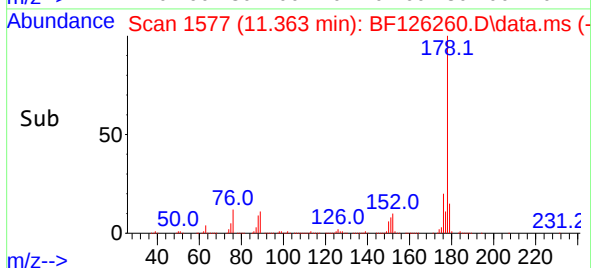
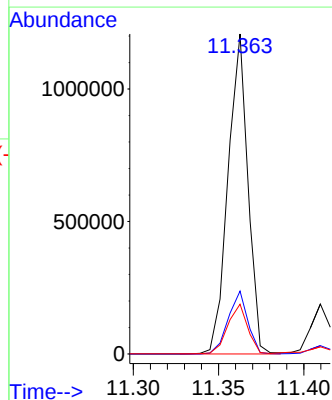
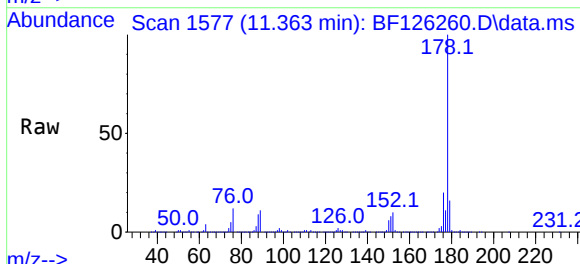
Manual Integrations
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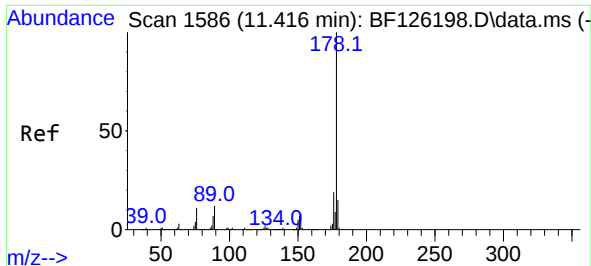
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#71
Phenanthrene
Concen: 24.655 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

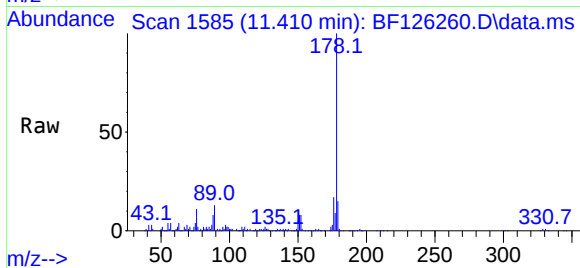
Tgt Ion:178 Resp: 981894
Ion Ratio Lower Upper
178 100
176 19.7 14.7 22.1
179 15.6 11.5 17.3





#72
 Anthracene
 Concen: 3.666 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126260.D
 Acq: 18 Dec 2021 18:17

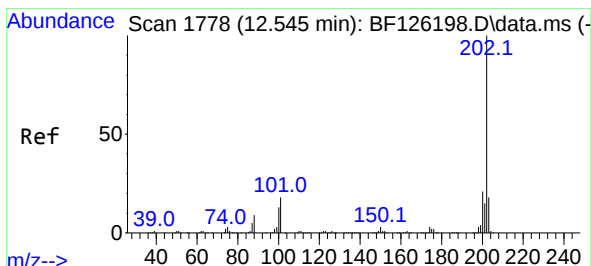
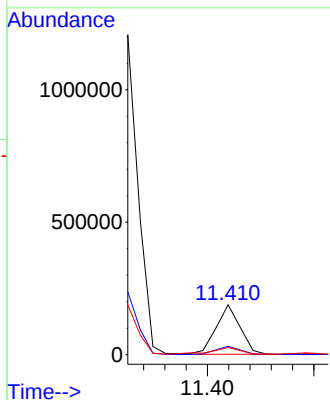
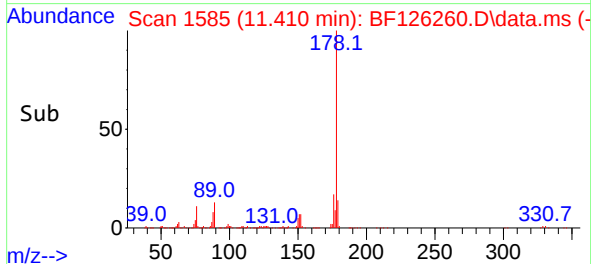
Instrument :
 BNA_F
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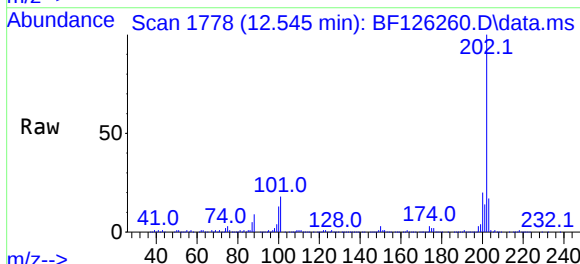
Tgt Ion:178 Resp: 146534
 Ion Ratio Lower Upper
 178 100
 176 16.6 14.3 21.5
 179 14.6 12.2 18.4

Manual Integrations
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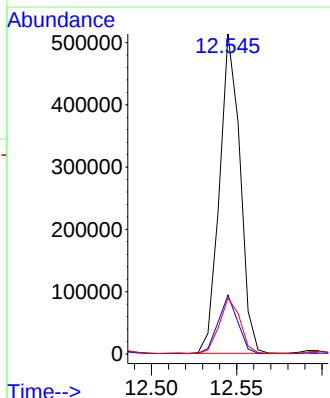
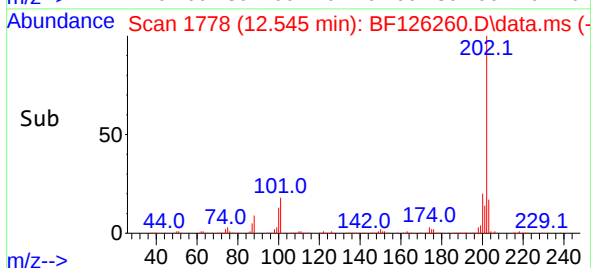
Reviewed By :Christian Giraldo 12/20/2021
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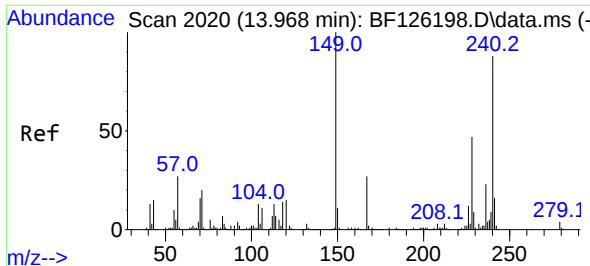


#75
 Fluoranthene
 Concen: 11.981 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.000 min
 Lab File: BF126260.D
 Acq: 18 Dec 2021 18:17



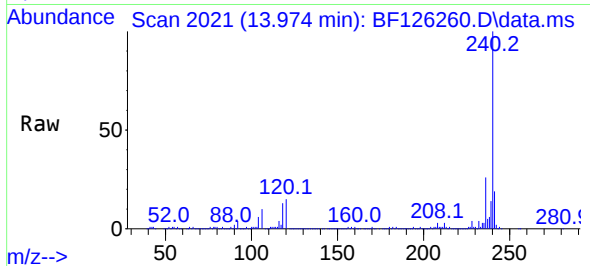
Tgt Ion:202 Resp: 429895
 Ion Ratio Lower Upper
 202 100
 101 18.4 0.0 30.7
 203 17.5 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

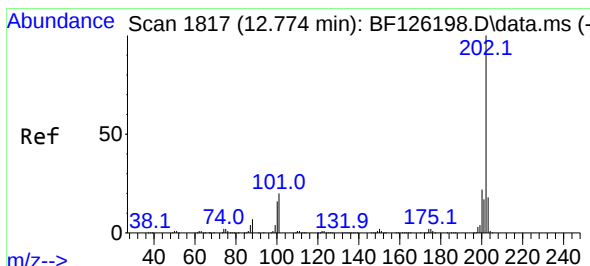
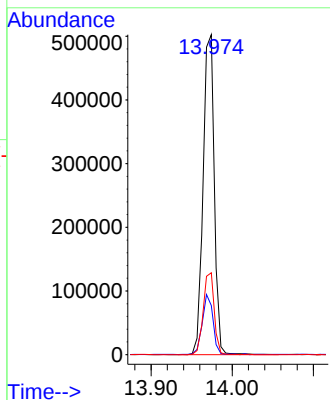
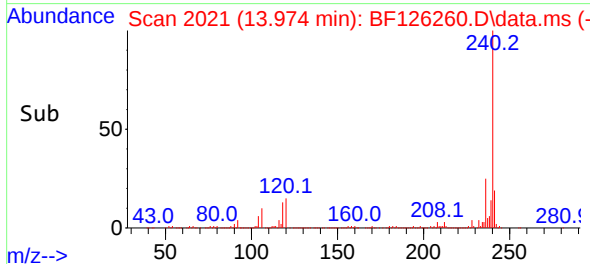
Instrument :
BNA_F
ClientSampleId :
SB-01-C



Tgt Ion:240 Resp: 48088
Ion Ratio Lower Upper
240 100
120 15.3 10.8 16.2
236 25.6 21.6 32.4

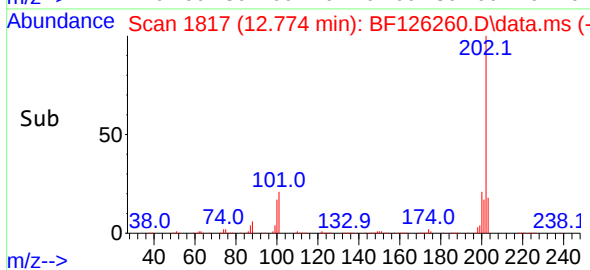
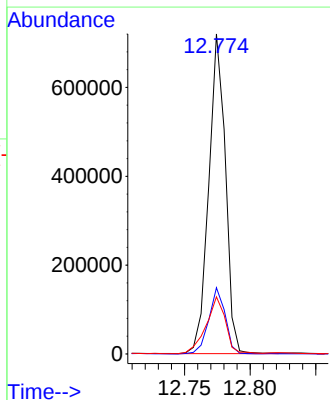
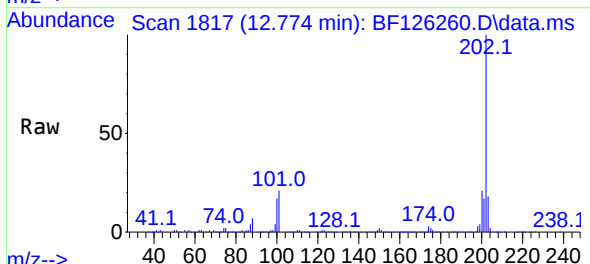
Manual Integrations
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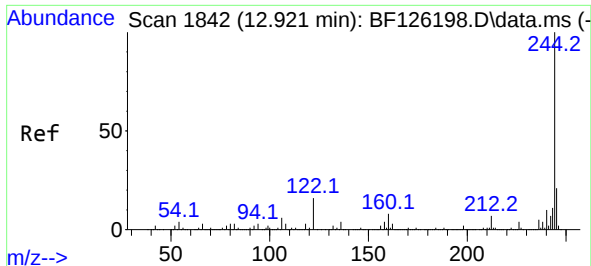
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#78
Pyrene
Concen: 14.409 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

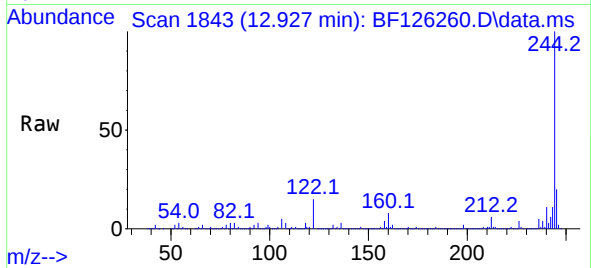
Tgt Ion:202 Resp: 636589
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 17.9 13.4 20.0





#79
Terphenyl-d14
Concen: 55.096 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

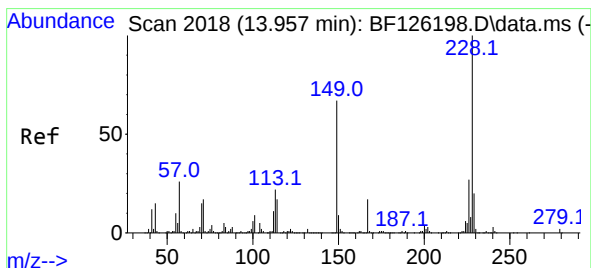
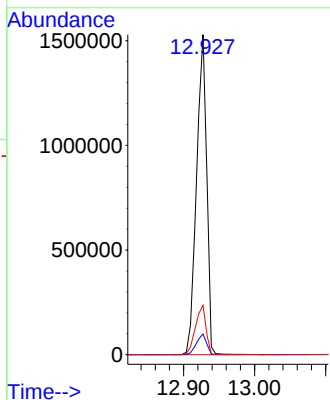
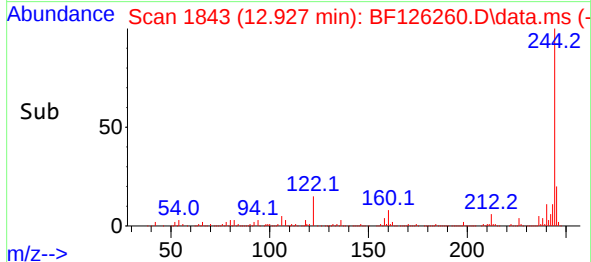
Instrument :
BNA_F
ClientSampleId :
SB-01-C



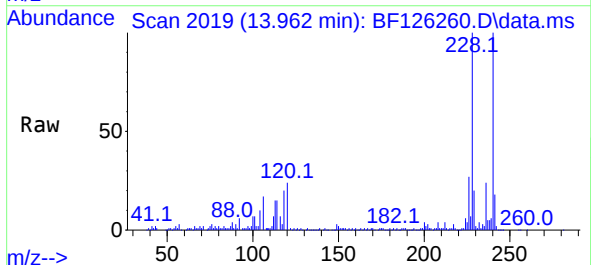
Tgt Ion:244 Resp: 152434
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 15.4 9.0 13.4

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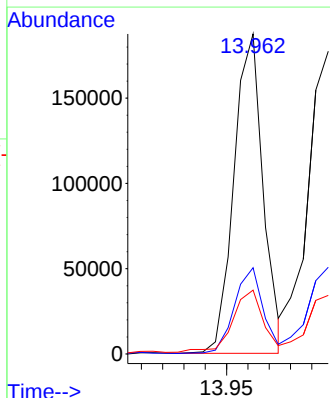
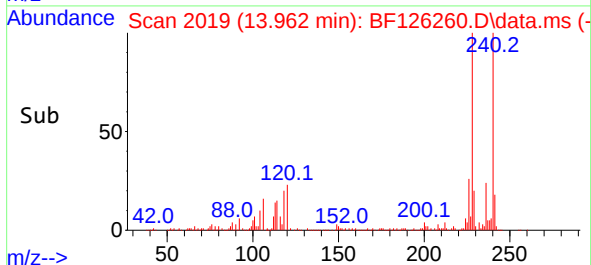
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

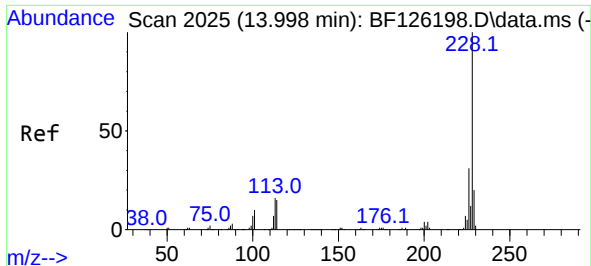


#81
Benzo(a)anthracene
Concen: 6.271 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



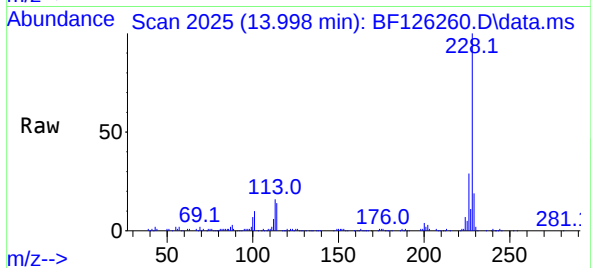
Tgt Ion:228 Resp: 178625
Ion Ratio Lower Upper
228 100
226 27.0 21.6 32.4
229 19.9 15.6 23.4





#83
Chrysene
Concen: 5.855 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

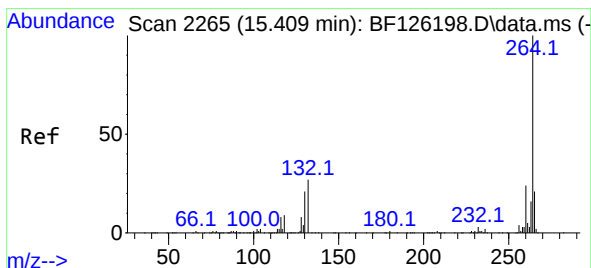
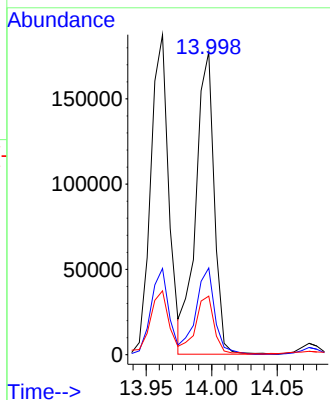
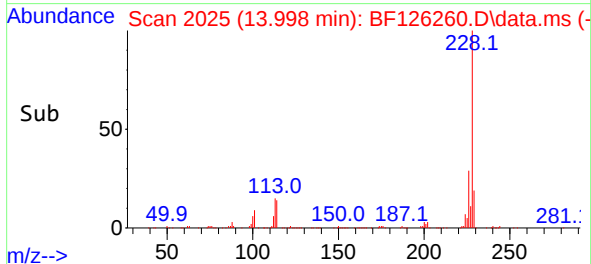
Instrument :
BNA_F
Client SampleId :
SB-01-C



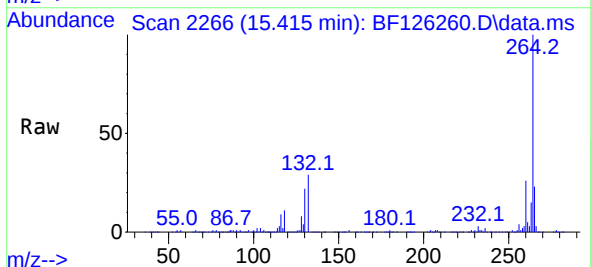
Tgt Ion:228 Resp: 173280
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 19.4 15.9 23.9

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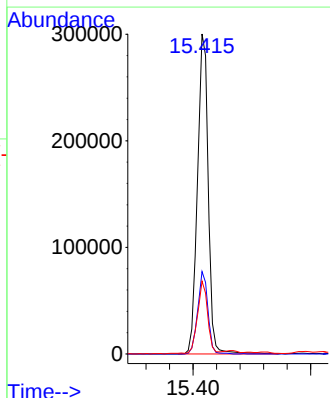
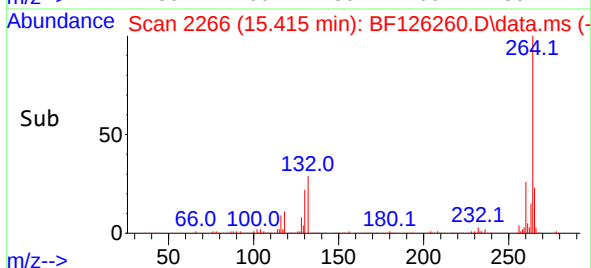
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

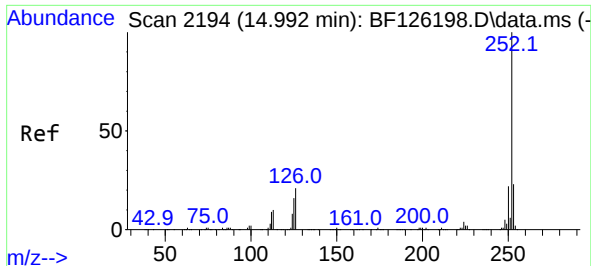


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



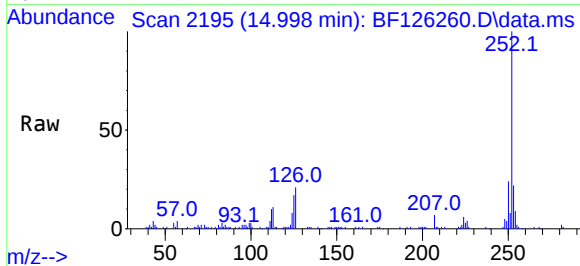
Tgt Ion:264 Resp: 381542
Ion Ratio Lower Upper
264 100
260 25.8 19.6 29.4
265 22.7 17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 4.310 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17

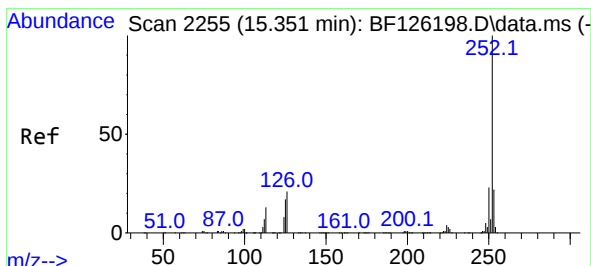
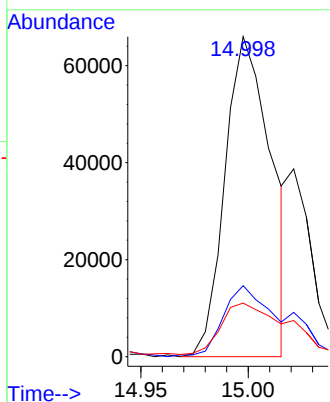
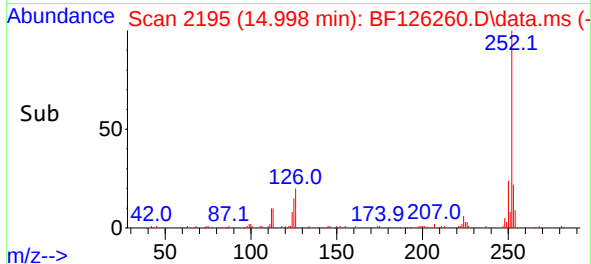
Instrument :
BNA_F
ClientSampleId :
SB-01-C



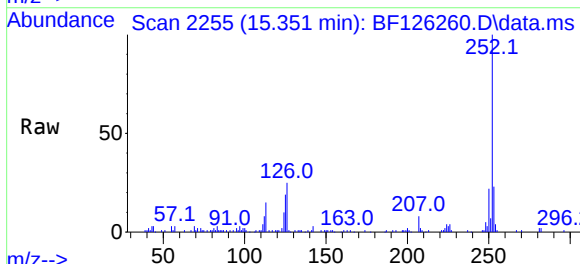
Tgt Ion:252 Resp: 9880
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 16.8 9.8 14.8

Manual Integrations
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Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#90
Benzo(a)pyrene
Concen: 3.968 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BF126260.D
Acq: 18 Dec 2021 18:17



Tgt Ion:252 Resp: 75610
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 18.8 9.9 14.9

