

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126362.D
 Acq On : 27 Dec 2021 18:35
 Operator : JU/CG
 Sample : M5218-04DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-G2DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 27 18:57:39 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	111828	20.00	ng	0.00
21) Naphthalene-d8	8.092	136	440004	20.00	ng	#-0.01
39) Acenaphthene-d10	9.845	164	184371	20.00	ng	-0.01
64) Phenanthrene-d10	11.327	188	251643	20.00	ng	#-0.01
76) Chrysene-d12	13.968	240	195277	20.00	ng	-0.01
86) Perylene-d12	15.415	264	224477	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	85930	11.32	ng	-0.02
7) Phenol-d6	6.428	99	156094	16.19	ng	-0.02
23) Nitrobenzene-d5	7.363	82	90772	11.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	10366	7.00	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	153479	14.60	ng	-0.01
79) Terphenyl-d14	12.916	244	98684	8.78	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.804	142	36097	2.85	ng	96
38) 1-Methylnaphthalene	8.904	142	29196	2.37	ng	93
52) Acenaphthene	9.875	154	32125	3.16	ng	99
58) Fluorene	10.392	166	27572	2.75	ng	96
71) Phenanthrene	11.357	178	470030	36.19	ng	99
72) Anthracene	11.404	178	67115	5.15	ng	98
75) Fluoranthene	12.545	202	194998	16.66	ng	96
78) Pyrene	12.769	202	309269	17.24	ng	99
81) Benzo(a)anthracene	13.957	228	110958	9.59	ng	99
83) Chrysene	13.992	228	104738	8.71	ng	100
88) Benzo(b)fluoranthene	14.998	252	82715m	6.13	ng	
89) Benzo(k)fluoranthene	15.021	252	27098m	2.10	ng	
90) Benzo(a)pyrene	15.351	252	70143	6.26	ng	# 95

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

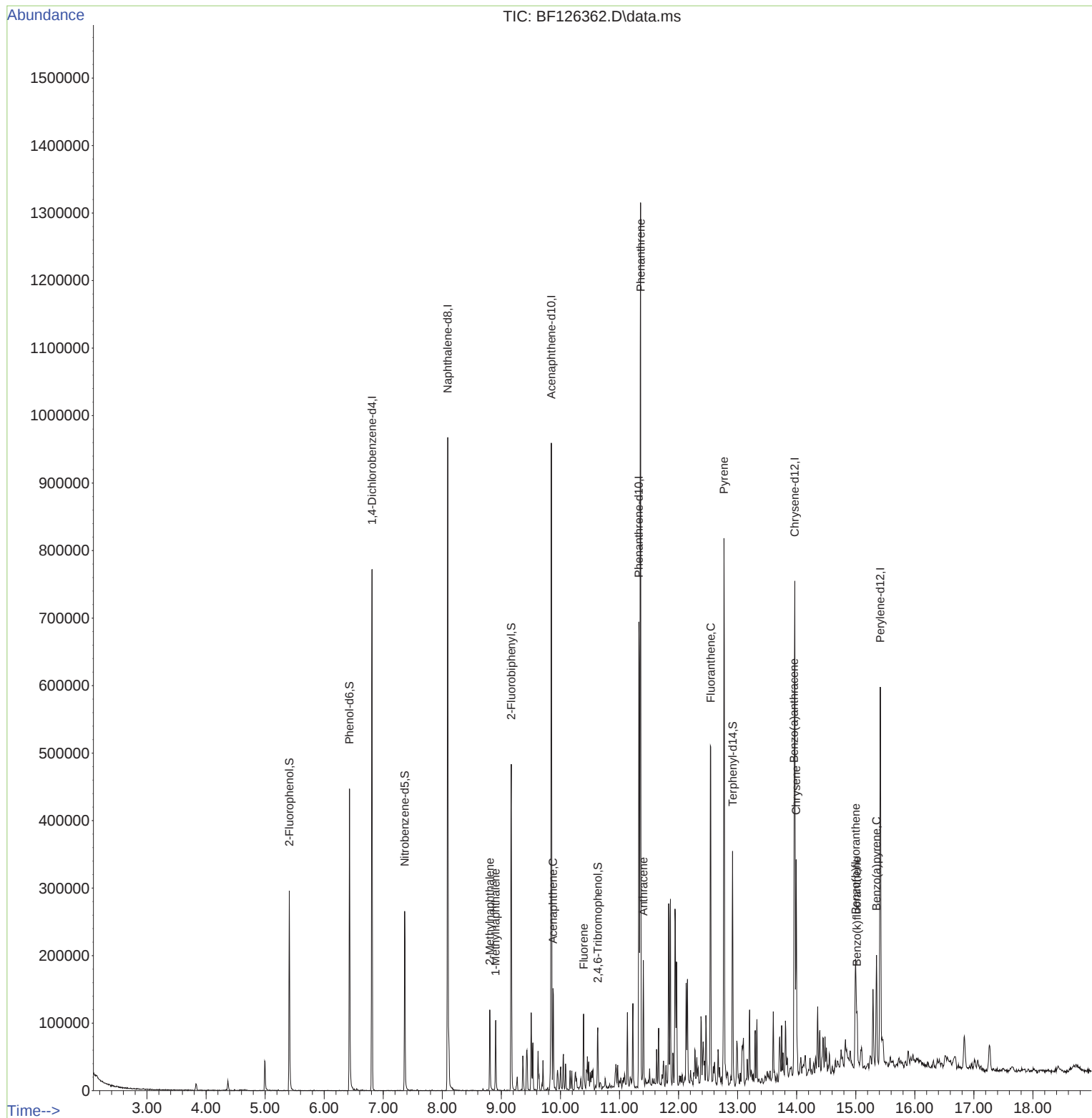
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126362.D
Acq On : 27 Dec 2021 18:35
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Misc :
ALS Vial : 9 Sample Multiplier: 1

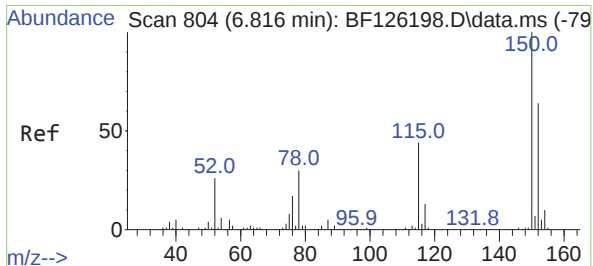
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

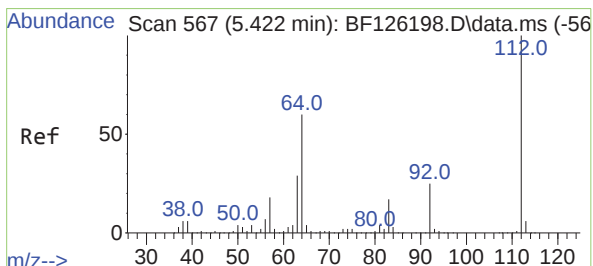
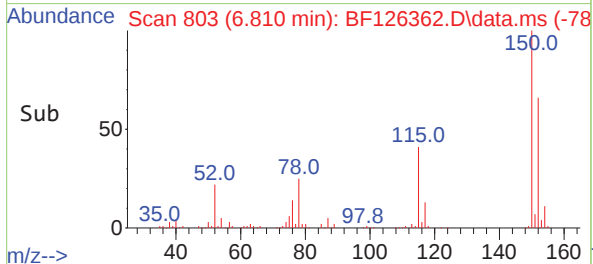
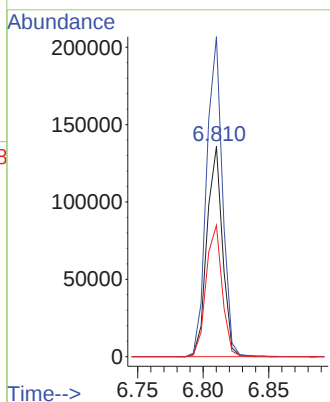
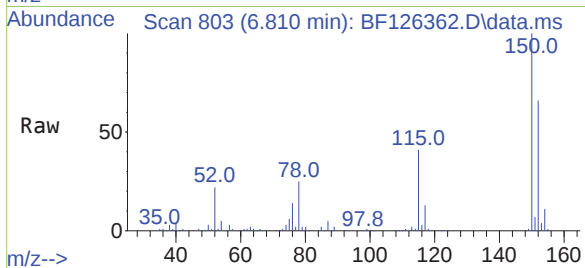
SB-21-G2DL

Tgt Ion:152 Resp: 111828
Ion Ratio Lower Upper
152 100
150 152.2 117.6 176.4
115 62.5 47.1 70.7

Manual Integrations

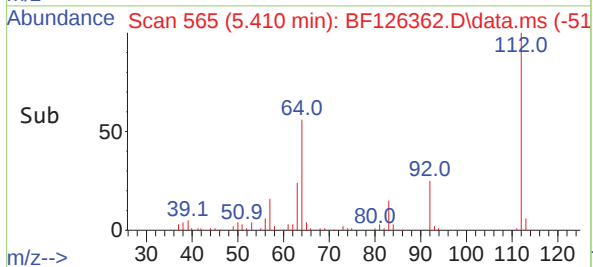
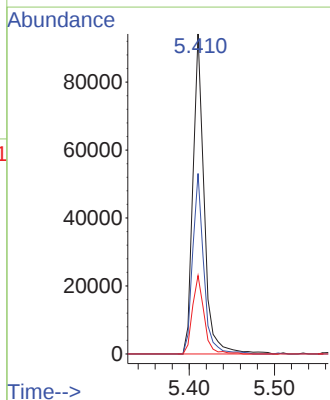
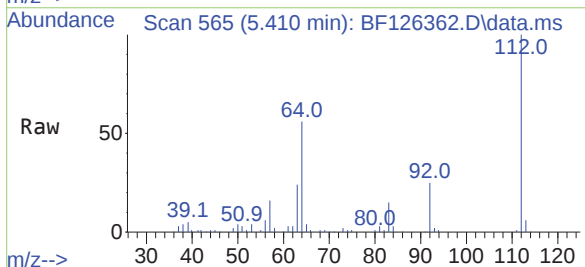
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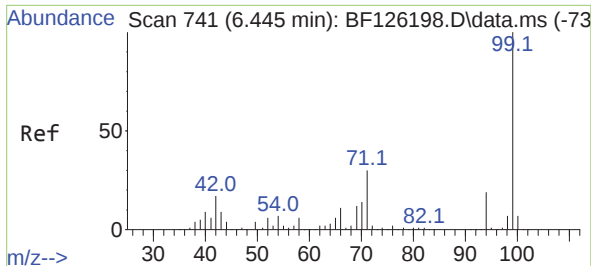
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#5
2-Fluorophenol
Concen: 11.32 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

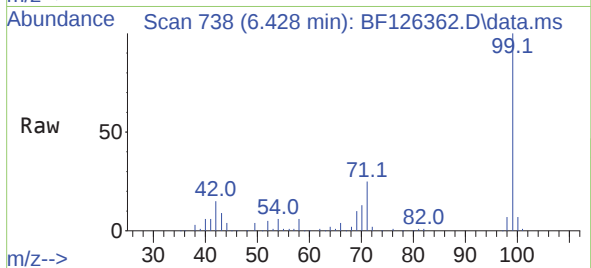
Tgt Ion:112 Resp: 85930
Ion Ratio Lower Upper
112 100
64 56.4 44.2 66.2
63 24.5 26.2 39.2#





#7
Phenol-d6
Concen: 16.19 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

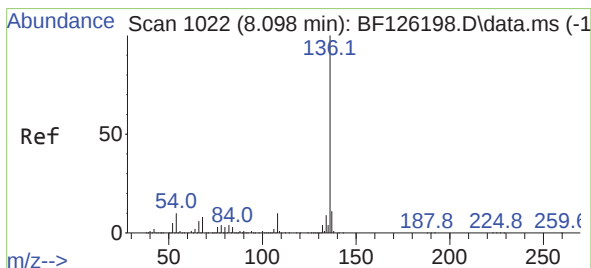
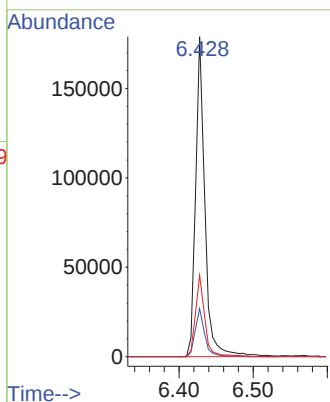
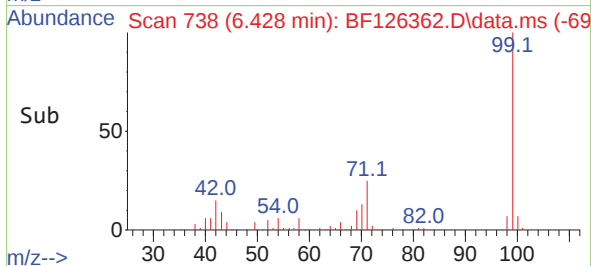
Instrument :
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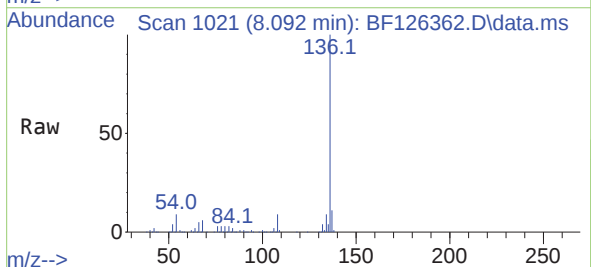
Tgt Ion: 99 Resp: 156094
Ion Ratio Lower Upper
99 100
42 15.0 23.5 35.3
71 25.4 25.6 38.4

Manual Integrations
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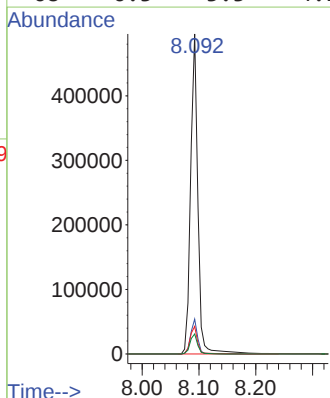
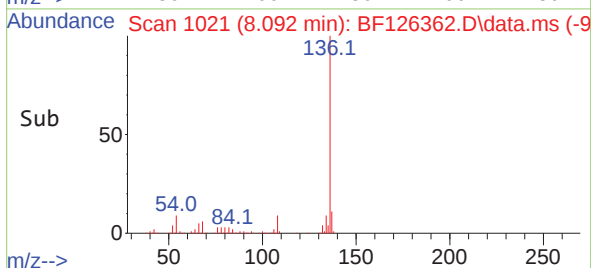
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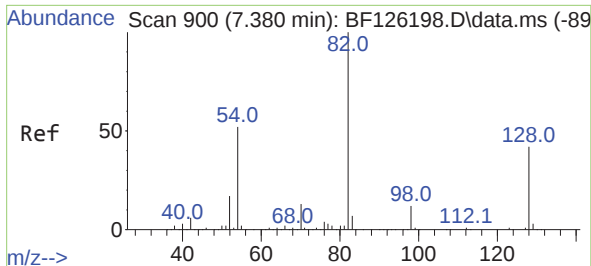


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35



Tgt Ion:136 Resp: 440004
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 8.6 6.4 9.6
68 6.3 3.3 4.9





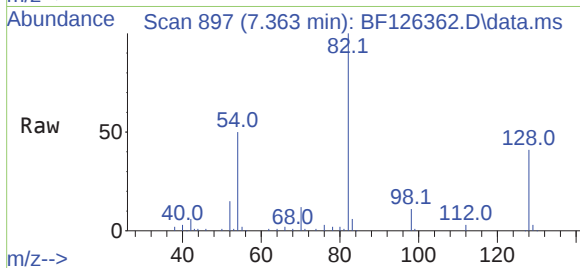
#23
Nitrobenzene-d5
Concen: 11.17 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

SB-21-G2DL

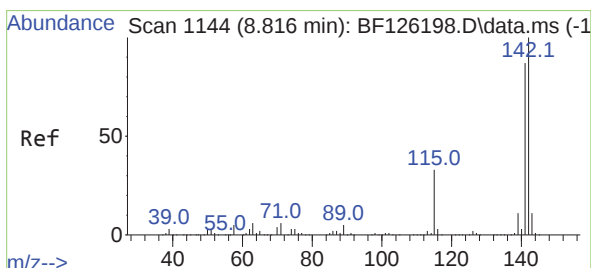
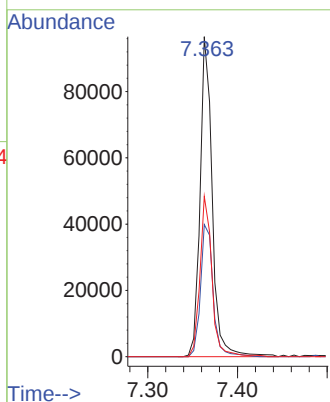
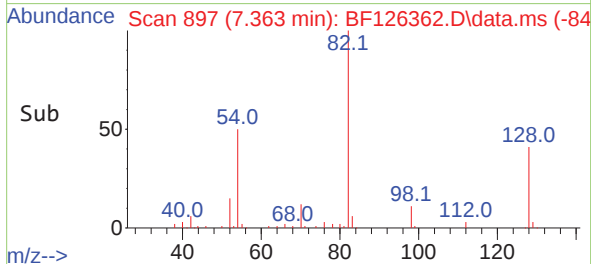


Tgt Ion: 82 Resp: 90772
Ion Ratio Lower Upper
82 100
128 41.3 40.6 60.8
54 50.1 49.6 74.4

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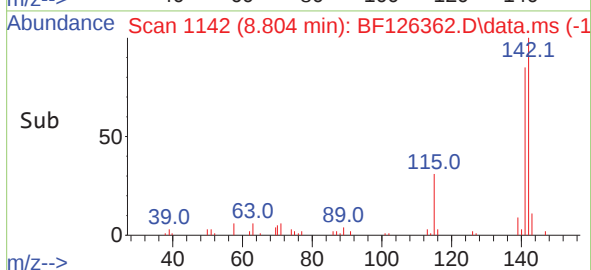
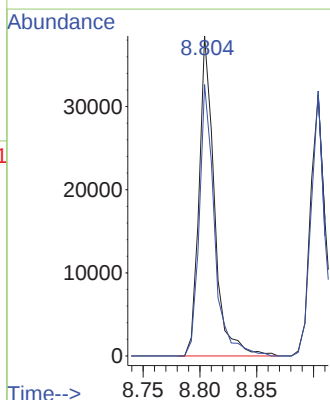
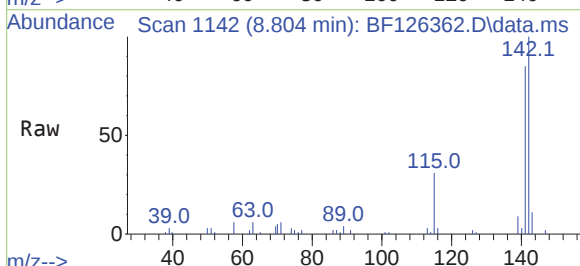
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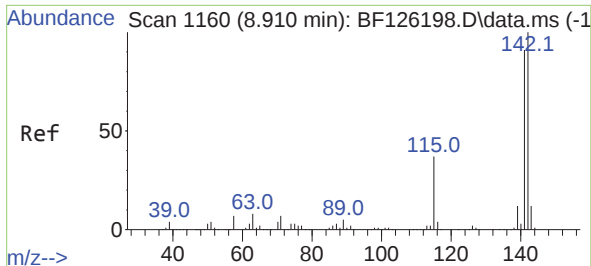
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#37
2-Methylnaphthalene
Concen: 2.85 ng
RT: 8.804 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion:142 Resp: 36097
Ion Ratio Lower Upper
142 100
141 84.8 71.2 106.8





#38
1-Methylnaphthalene
Concen: 2.37 ng
RT: 8.904 min Scan# 1160
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

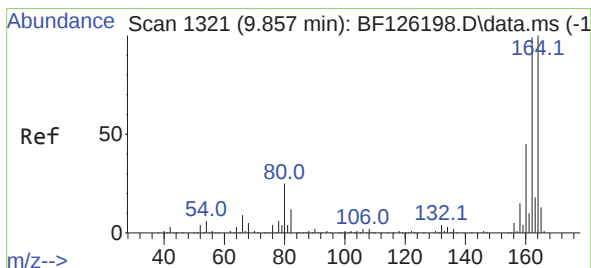
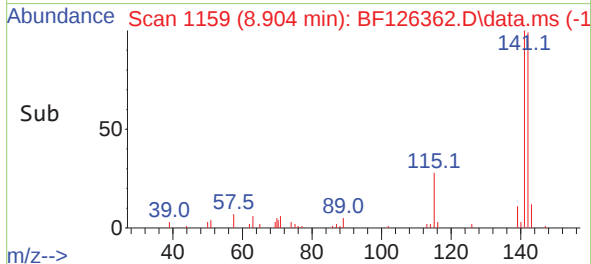
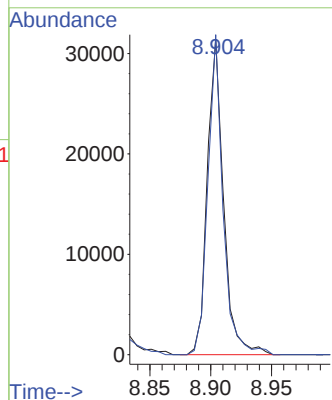
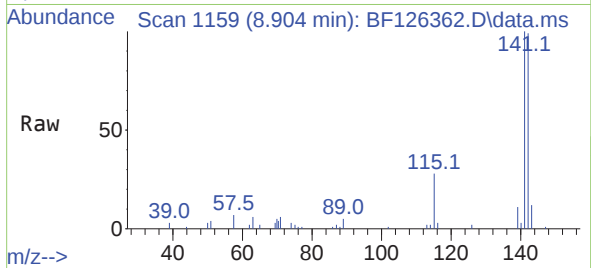
SB-21-G2DL

Tgt Ion:142 Resp: 29190
Ion Ratio Lower Upper
142 100
141 101.5 76.0 114.0

Manual Integrations

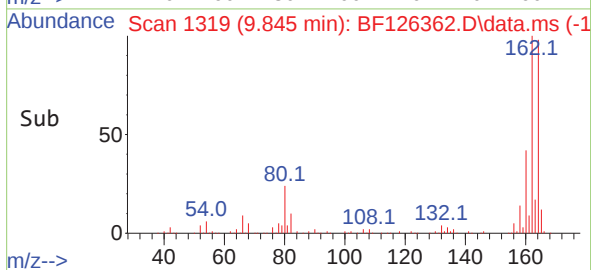
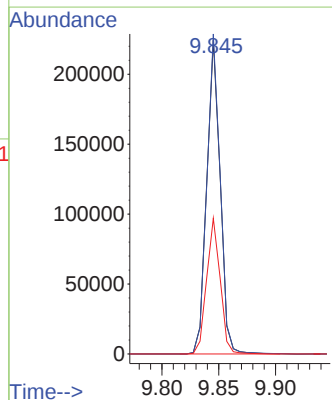
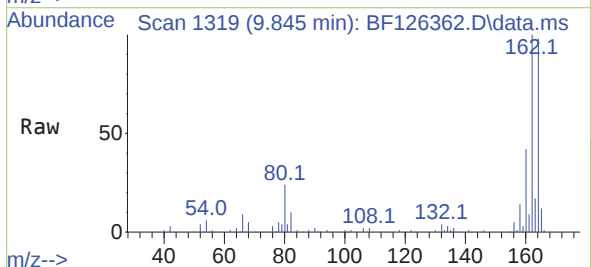
APPROVED

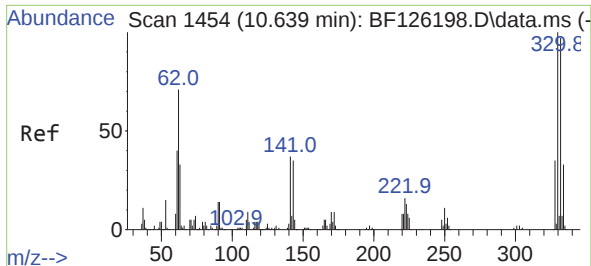
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion:164 Resp: 184371
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 43.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 7.00 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

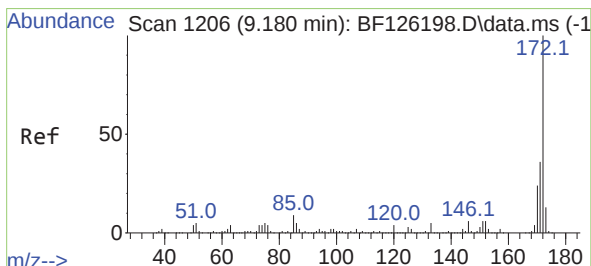
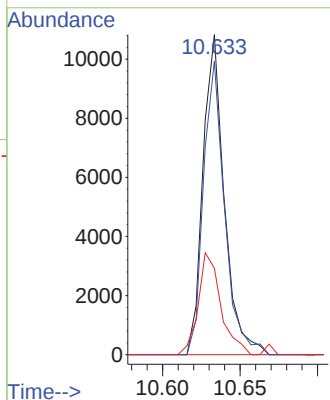
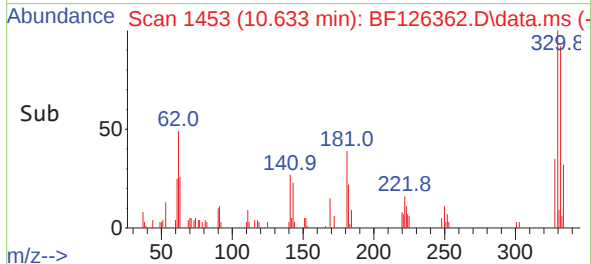
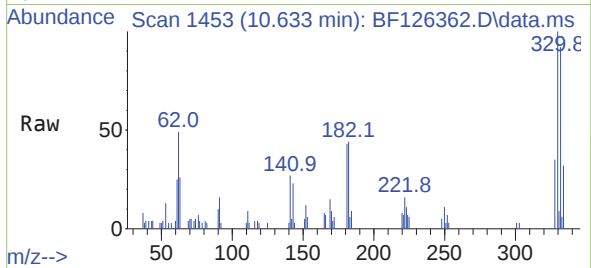
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Tgt Ion: 330 Resp: 10360
Ion Ratio Lower Upper
330 100
332 90.9 76.2 114.4
141 33.7 44.6 66.8

Manual Integrations

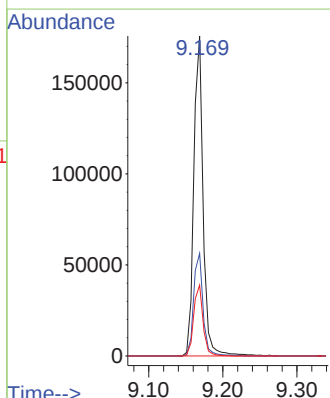
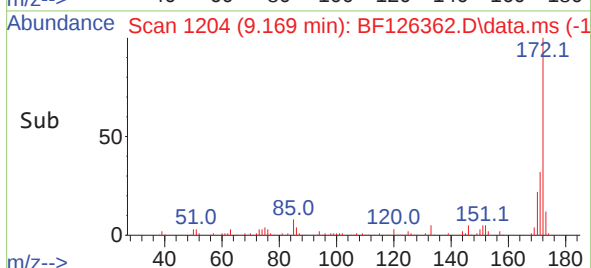
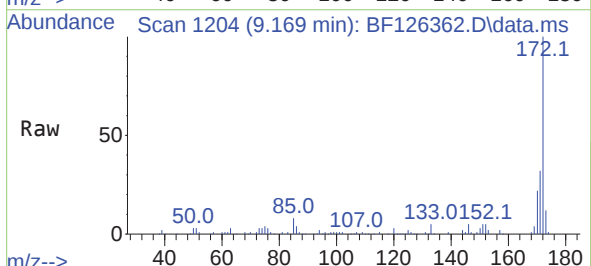
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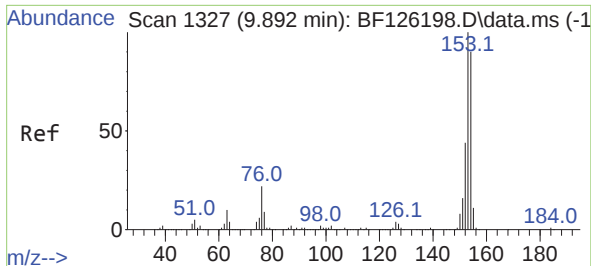
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#45
2-Fluorobiphenyl
Concen: 14.60 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion: 172 Resp: 153479
Ion Ratio Lower Upper
172 100
171 32.1 26.5 39.7
170 22.2 18.8 28.2





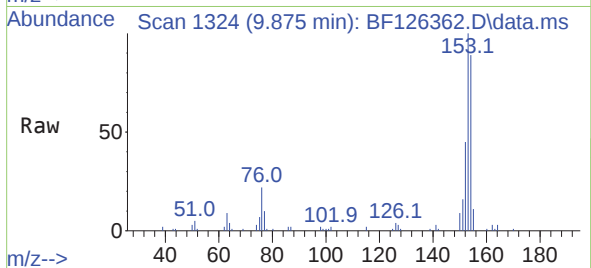
#52
Acenaphthene
Concen: 3.16 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

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ClientSampleId :

SB-21-G2DL

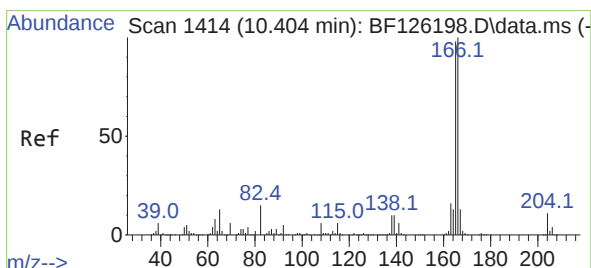
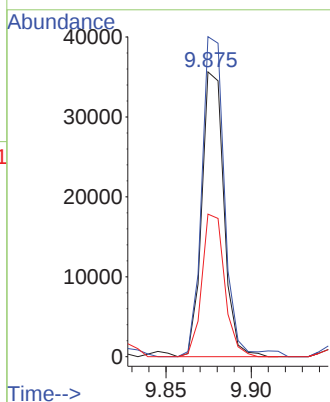
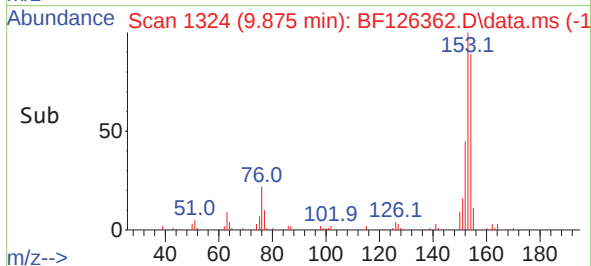


Tgt Ion:154 Resp: 3212
Ion Ratio Lower Upper
154 100
153 112.4 89.4 134.2
152 50.1 40.5 60.7

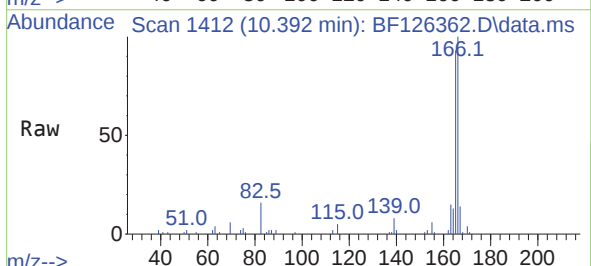
Manual Integrations

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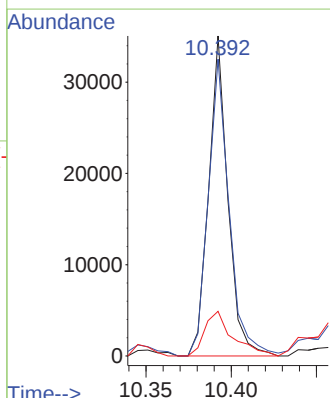
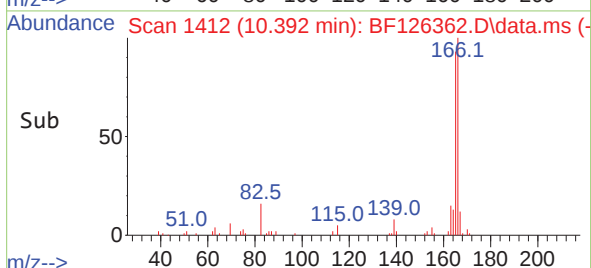
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Supervised By :mohammad ahmed 12/31/2021

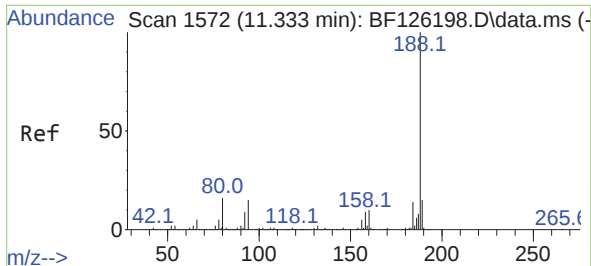


#58
Fluorene
Concen: 2.75 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35



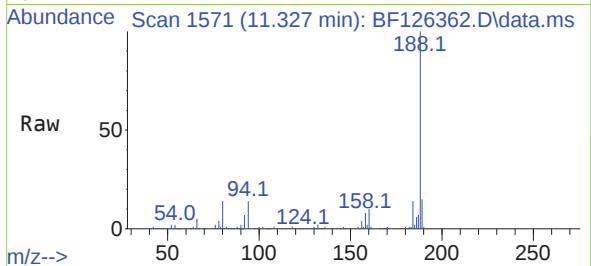
Tgt Ion:166 Resp: 27572
Ion Ratio Lower Upper
166 100
165 92.7 78.1 117.1
167 14.0 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

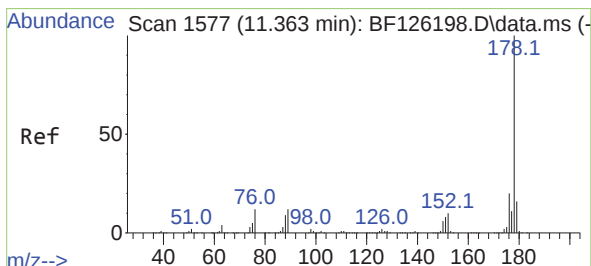
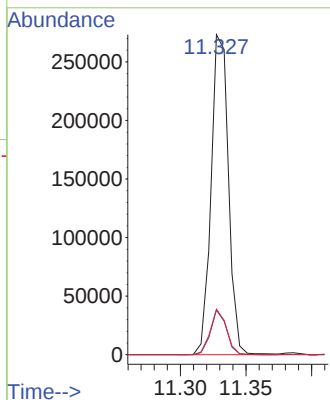
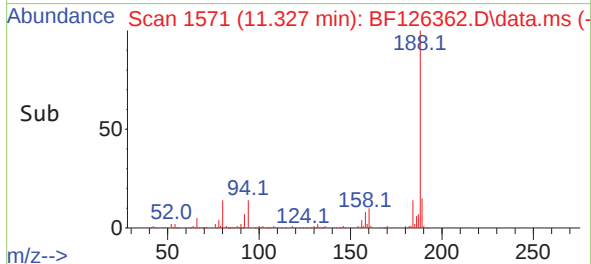
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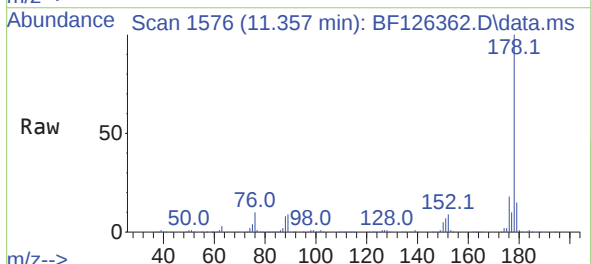
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Ion Ratio Lower Upper
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94 13.9 6.7 10.1
80 14.3 7.5 11.3

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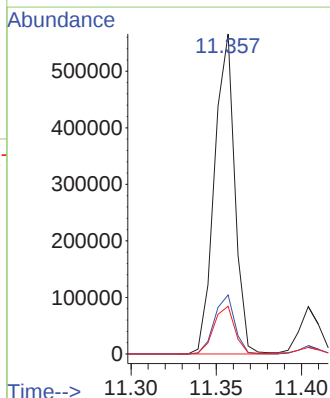
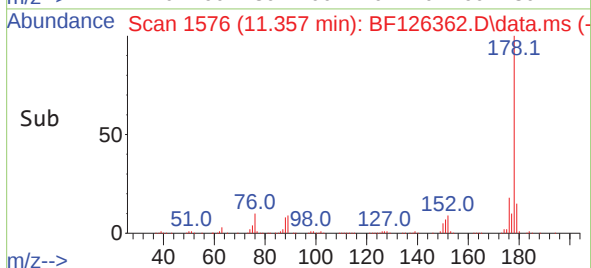
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

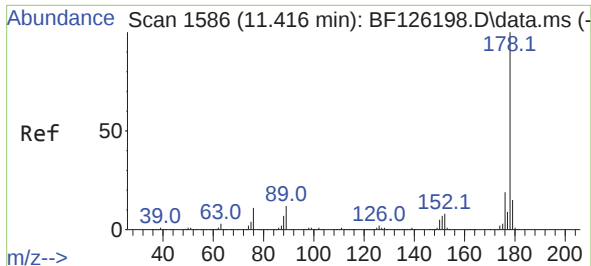


#71
Phenanthrene
Concen: 36.19 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35



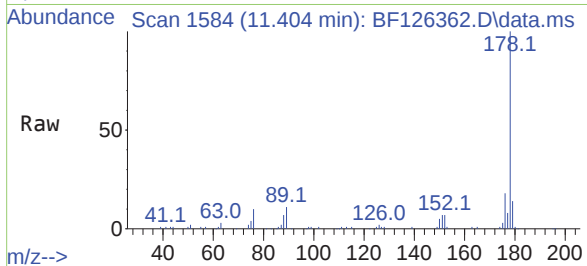
Tgt Ion:178 Resp: 470030
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.9 11.5 17.3





#72
 Anthracene
 Concen: 5.15 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35

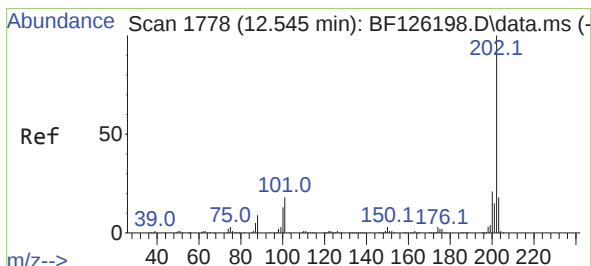
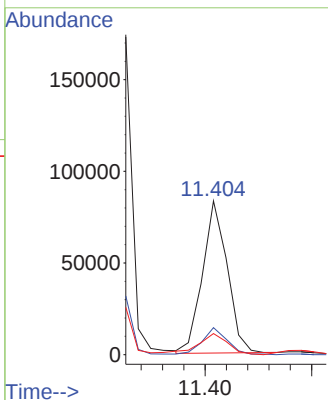
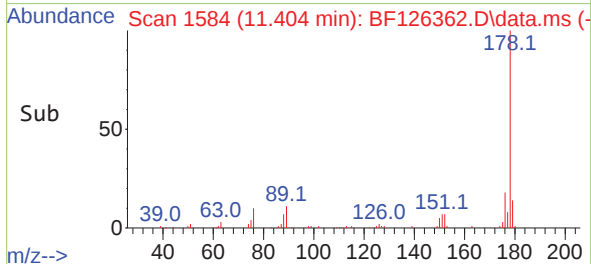
Instrument :
 BNA_F
 ClientSampleId :
 SB-21-G2DL



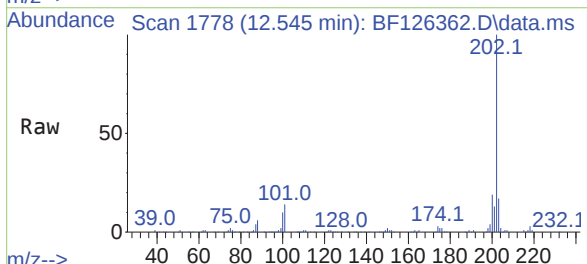
Tgt Ion:178 Resp: 67111
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.3 21.5
 179 13.8 12.2 18.4

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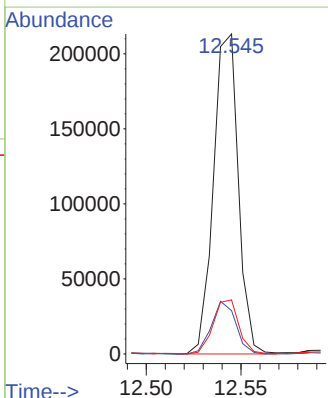
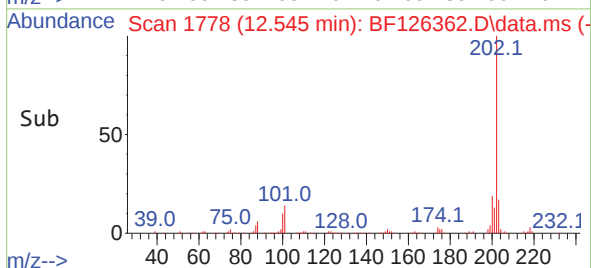
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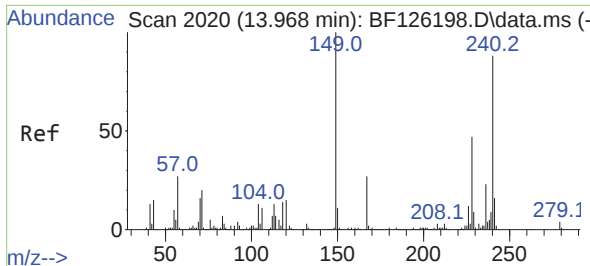


#75
 Fluoranthene
 Concen: 16.66 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35



Tgt Ion:202 Resp: 194998
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 30.7
 203 16.9 0.0 36.3





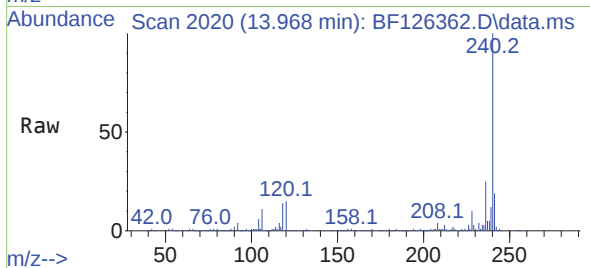
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

SB-21-G2DL

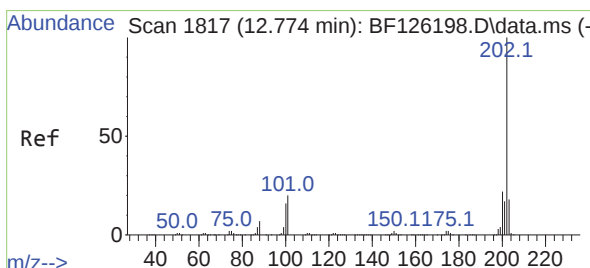
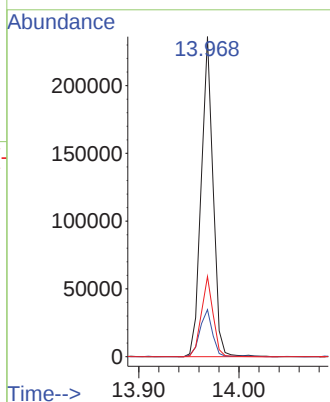
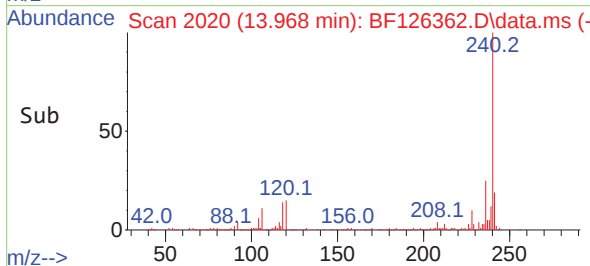


Tgt Ion:240 Resp: 19527
Ion Ratio Lower Upper
240 100
120 14.7 10.8 16.2
236 25.1 21.6 32.4

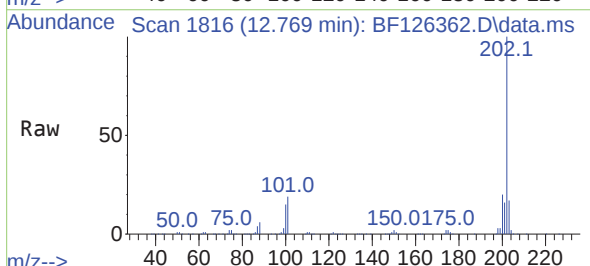
Manual Integrations

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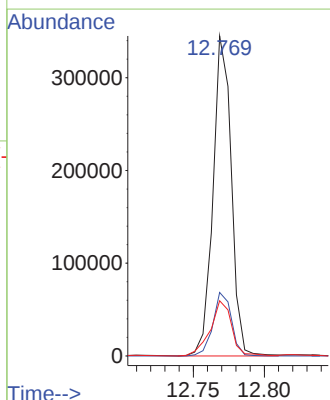
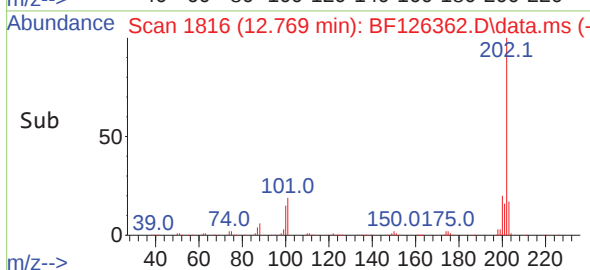
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Supervised By :mohammad ahmed 12/31/2021

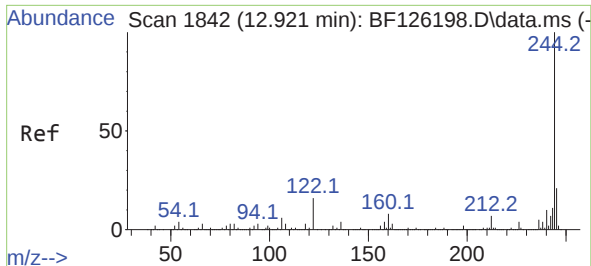


#78
Pyrene
Concen: 17.24 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35



Tgt Ion:202 Resp: 309269
Ion Ratio Lower Upper
202 100
200 19.8 15.3 22.9
203 17.3 13.4 20.0





#79
 Terphenyl-d14
 Concen: 8.78 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

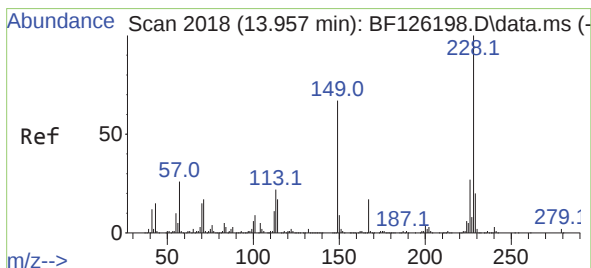
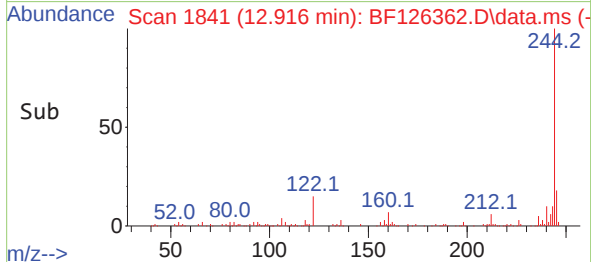
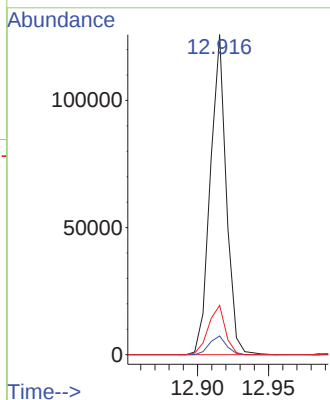
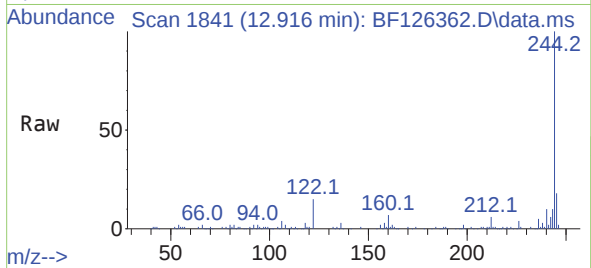
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Tgt Ion:244 Resp: 98684
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.9 8.9
 122 15.4 9.0 13.4

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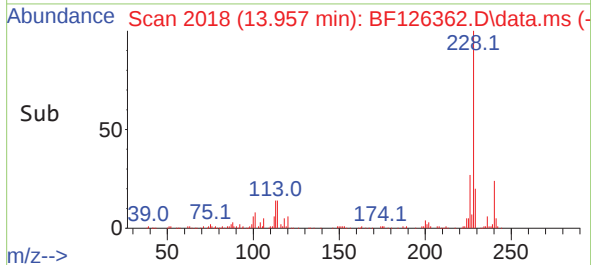
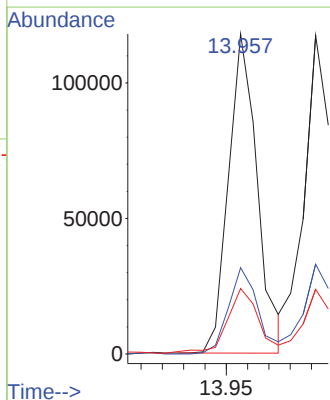
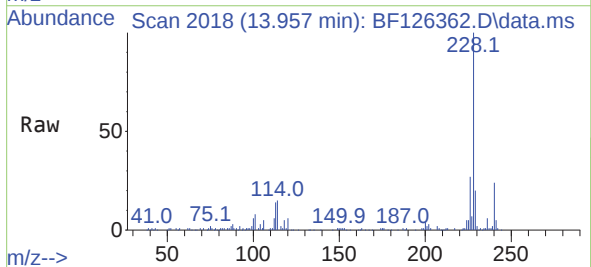
APPROVED

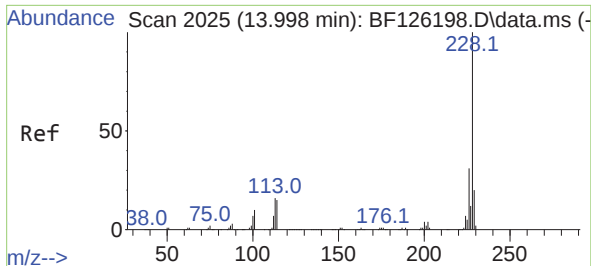
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 Supervised By :mohammad ahmed 12/31/2021



#81
 Benzo(a)anthracene
 Concen: 9.59 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35

Tgt Ion:228 Resp: 110958
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.6 32.4
 229 20.4 15.6 23.4





#83
Chrysene
Concen: 8.71 ng
RT: 13.992 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

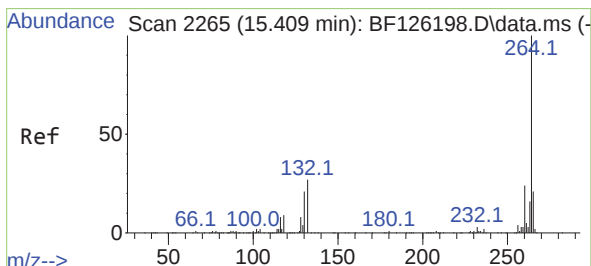
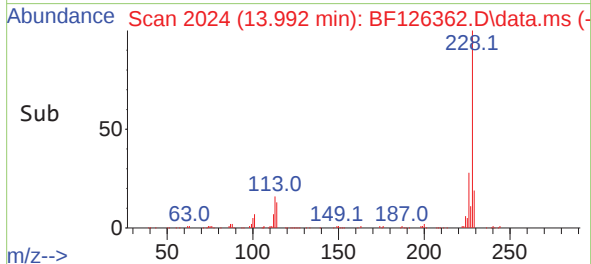
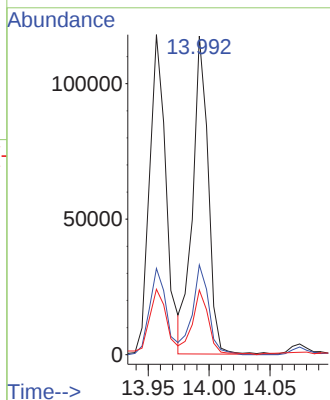
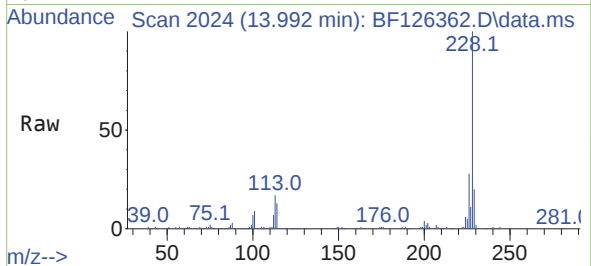
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Tgt Ion:228 Resp: 104738
Ion Ratio Lower Upper
228 100
226 28.2 22.6 34.0
229 20.3 15.9 23.9

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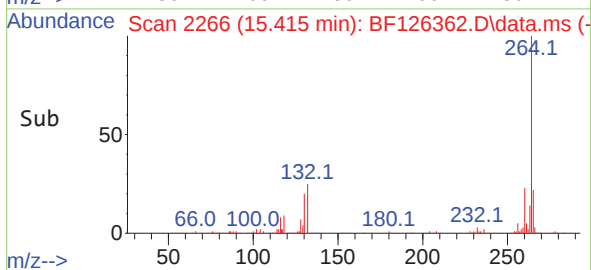
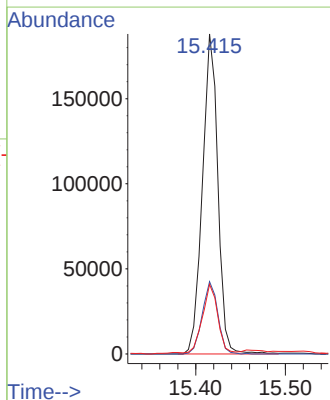
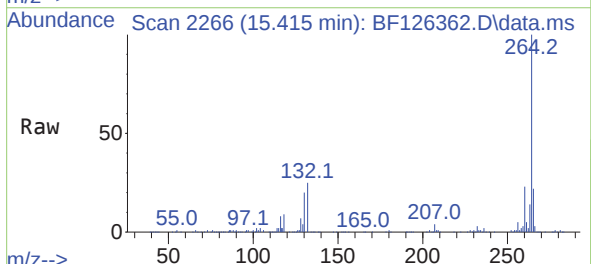
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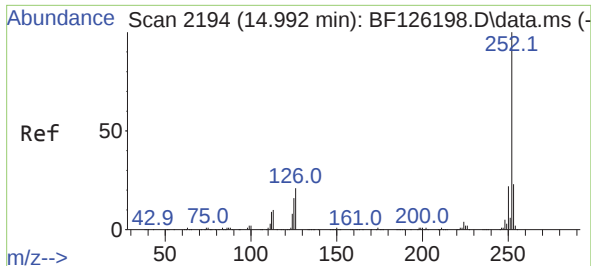
Reviewed By :Jagrut Upadhyay 12/28/2021
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion:264 Resp: 224477
Ion Ratio Lower Upper
264 100
260 22.6 19.6 29.4
265 21.8 17.2 25.8





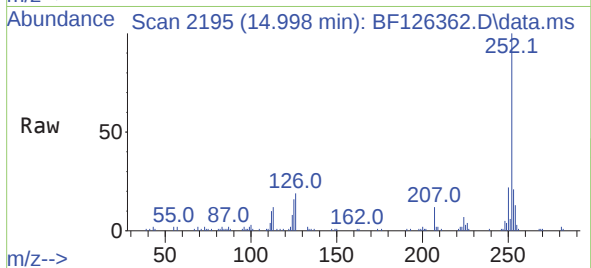
#88
Benzo(b)fluoranthene
Concen: 6.13 ng m
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

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ClientSampleId :

SB-21-G2DL

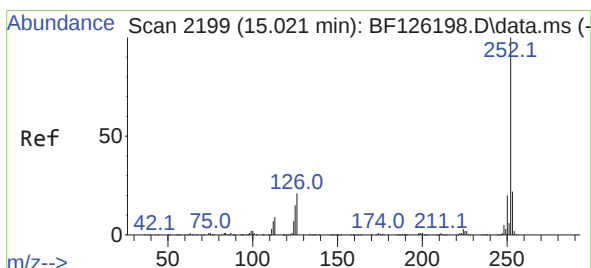
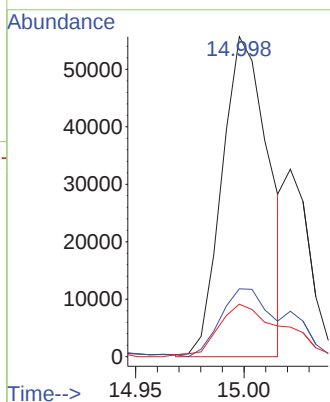
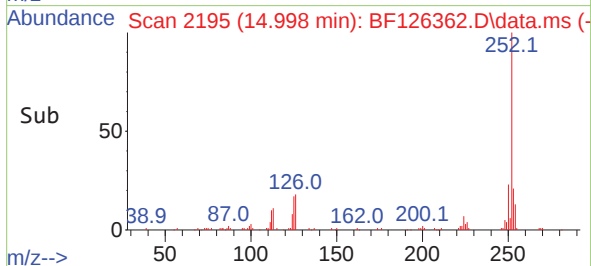


Tgt Ion:252 Resp: 82715
Ion Ratio Lower Upper
252 100
253 21.2 16.8 25.2
125 16.4 9.8 14.8

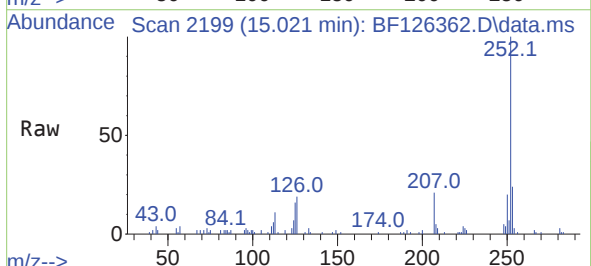
Manual Integrations

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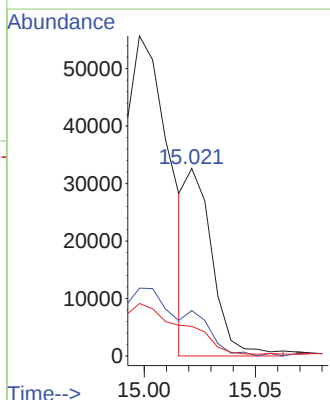
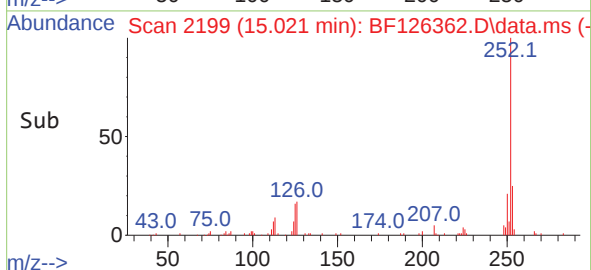
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

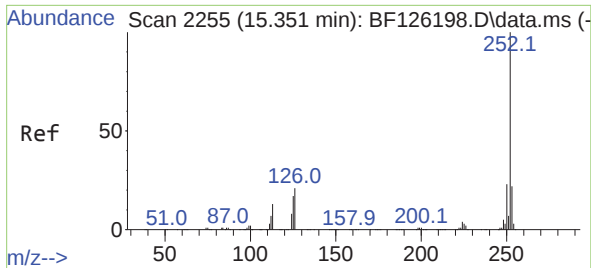


#89
Benzo(k)fluoranthene
Concen: 2.10 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35



Tgt Ion:252 Resp: 27098
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 15.8 7.2 10.8





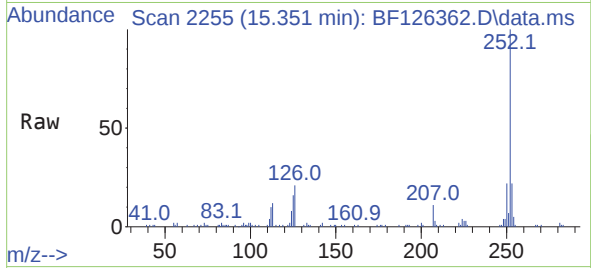
#90
Benzo(a)pyrene
Concen: 6.26 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

SB-21-G2DL



Tgt Ion:252 Resp: 7014
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 16.1 9.9 14.9

Manual Integrations

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Supervised By :mohammad ahmed 12/31/2021

