

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126370.D
 Acq On : 27 Dec 2021 22:46
 Operator : JU/CG
 Sample : M5230-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC124019

Manual Integrations
 APPROVED

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

Quant Time: Dec 28 06:01:07 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	101806	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	384714	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	147200	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	211159	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	207394	20.000	ng	0.00
86) Perylene-d12	15.421	264	210948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	547486	79.195	ng	-0.01
7) Phenol-d6	6.434	99	670474	76.382	ng	-0.01
23) Nitrobenzene-d5	7.369	82	398587	56.112	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	94770	80.112	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	532436	63.439	ng	-0.01
79) Terphenyl-d14	12.921	244	441273	36.982	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.110	128	305178	16.963	ng	97
37) 2-Methylnaphthalene	8.804	142	210789	19.025	ng	98
38) 1-Methylnaphthalene	8.904	142	96637	8.987	ng	93
46) 1,1'-Biphenyl	9.269	154	66176	6.080	ng	95
49) Acenaphthylene	9.704	152	39164	3.130	ng	# 96
52) Acenaphthene	9.881	154	223771	27.576	ng	99
55) Dibenzofuran	10.051	168	202932	18.368	ng	95
58) Fluorene	10.392	166	226510	28.320	ng	98
71) Phenanthrene	11.357	178	986527	90.519	ng	98
72) Anthracene	11.404	178	159070	14.542	ng	99
73) Carbazole	11.557	167	99590	9.667	ng	97
75) Fluoranthene	12.545	202	764381	77.844	ng	93
78) Pyrene	12.774	202	598940	31.434	ng	97
81) Benzo(a)anthracene	13.963	228	214303	17.444	ng	99
83) Chrysene	13.998	228	199405	15.622	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	55677	5.557	ng	# 99
88) Benzo(b)fluoranthene	14.998	252	173746m	13.708	ng	
89) Benzo(k)fluoranthene	15.027	252	58196m	4.800	ng	
90) Benzo(a)pyrene	15.357	252	92811	8.810	ng	97

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

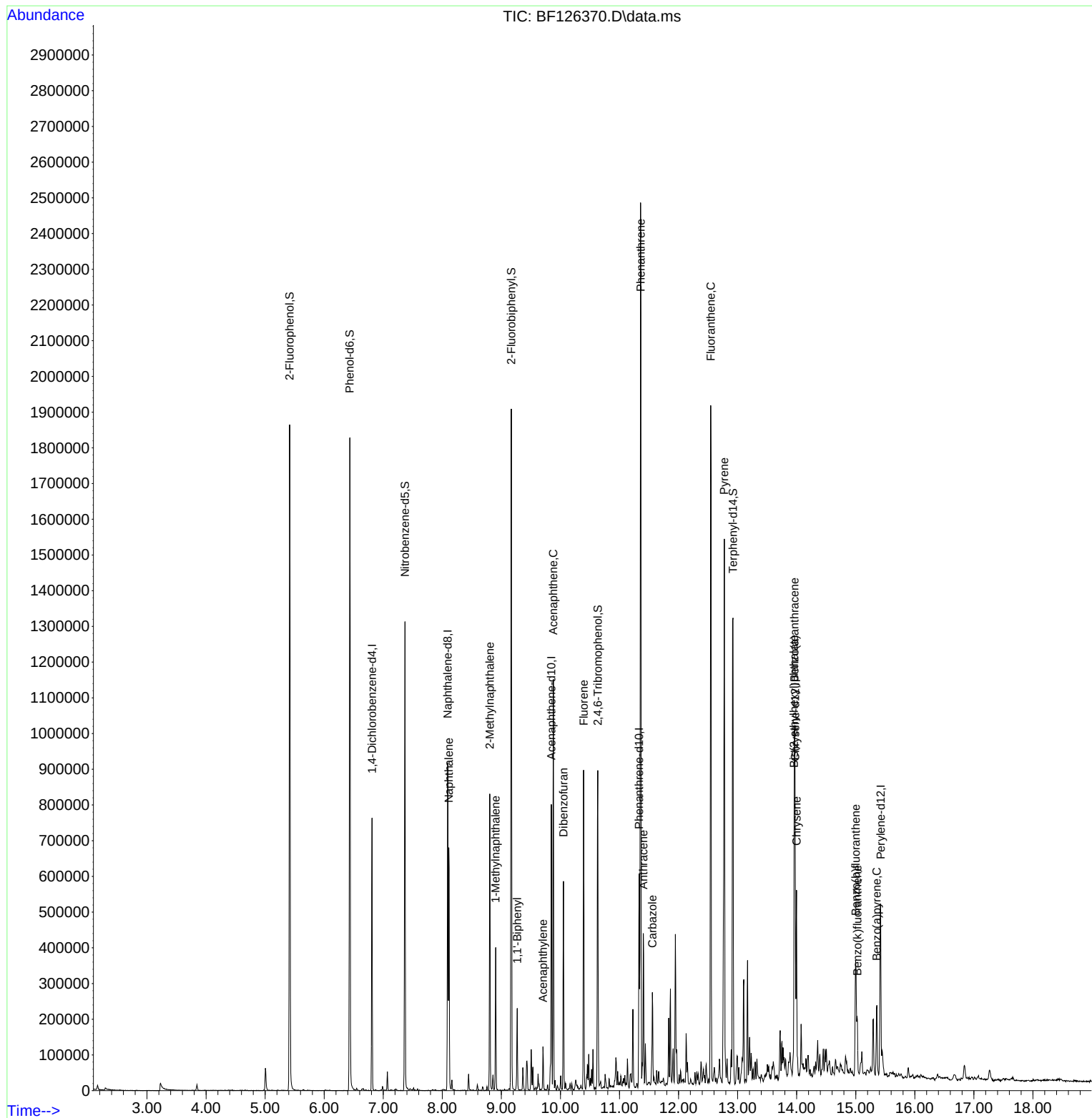
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126370.D
Acq On : 27 Dec 2021 22:46
Operator : JU/CG
Sample : M5230-09
Misc :
ALS Vial : 17 Sample Multiplier: 1

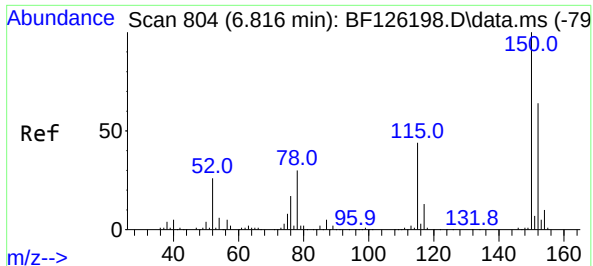
Instrument :
BNA_F
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PSC124019

Quant Time: Dec 28 06:01:07 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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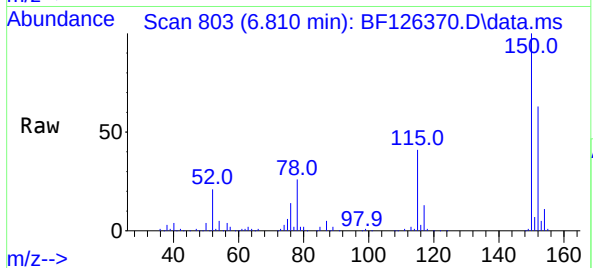
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

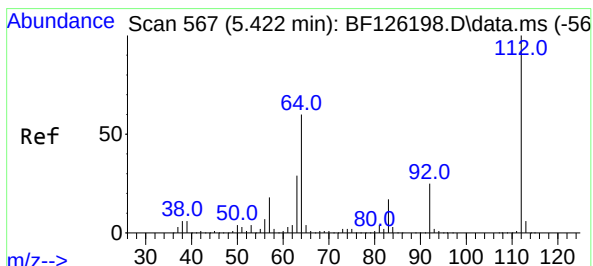
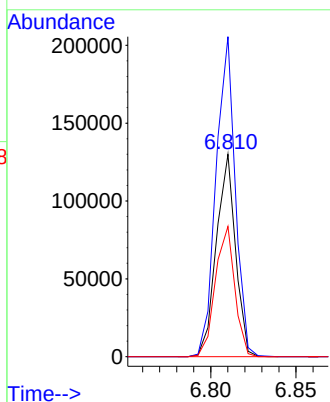
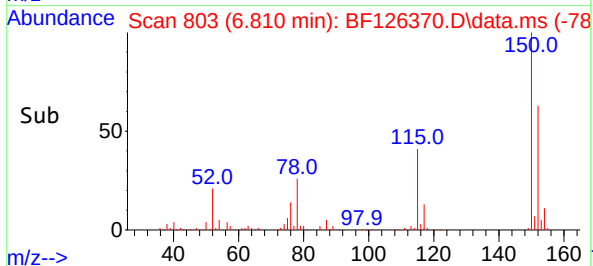
Instrument :
BNA_F
ClientSampleId :
PSC124019



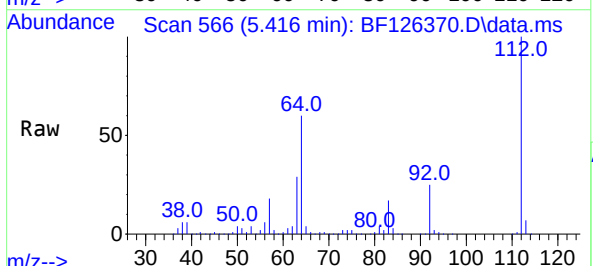
Tgt Ion:152 Resp: 101800
Ion Ratio Lower Upper
152 100
150 158.1 117.6 176.4
115 64.3 47.1 70.7

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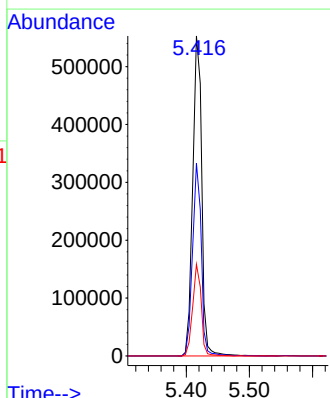
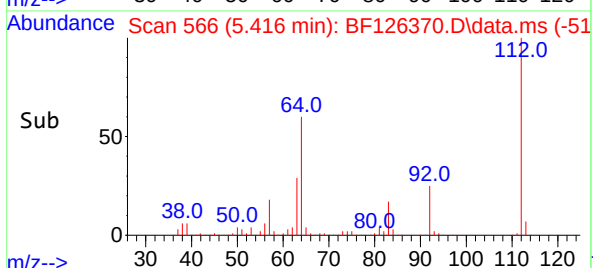
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Supervised By :mohammad ahmed 12/31/2021

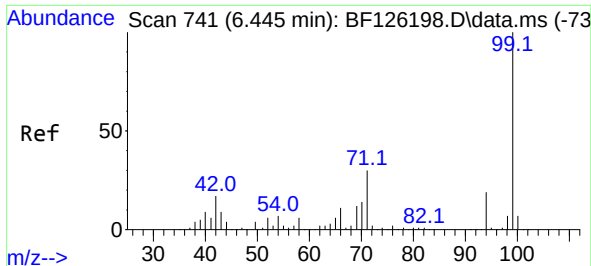


#5
2-Fluorophenol
Concen: 79.195 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46



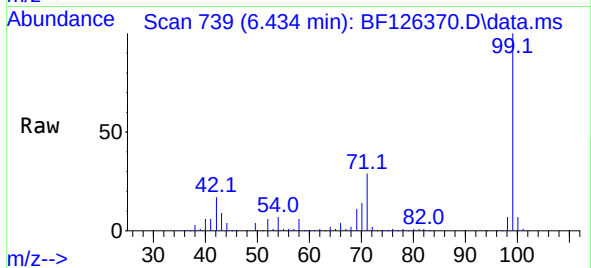
Tgt Ion:112 Resp: 547486
Ion Ratio Lower Upper
112 100
64 60.2 44.2 66.2
63 28.6 26.2 39.2





#7
Phenol-d6
Concen: 76.382 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

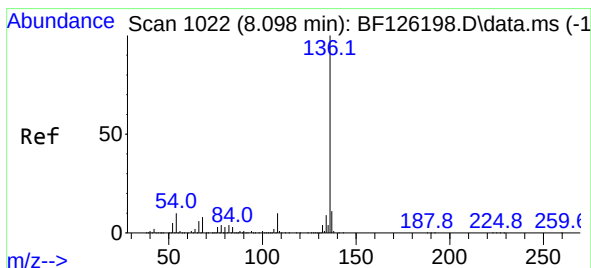
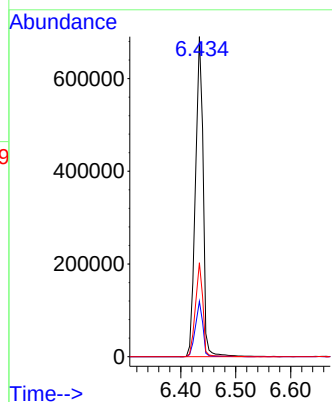
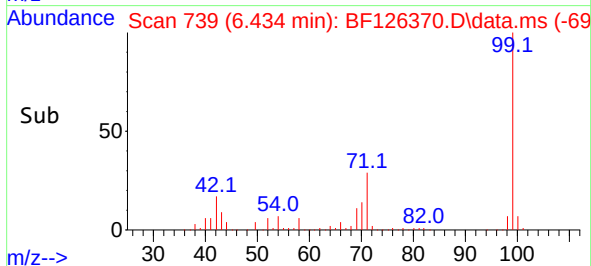
Instrument :
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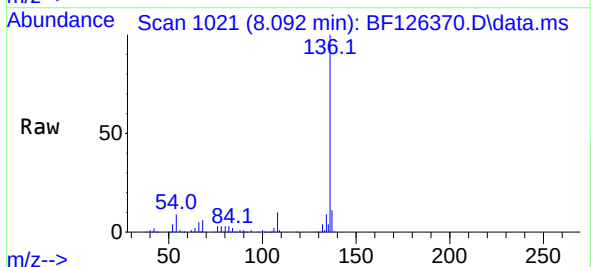
Tgt Ion: 99 Resp: 670474
Ion Ratio Lower Upper
99 100
42 17.3 23.5 35.3
71 29.4 25.6 38.4

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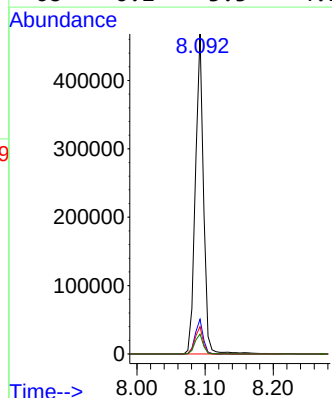
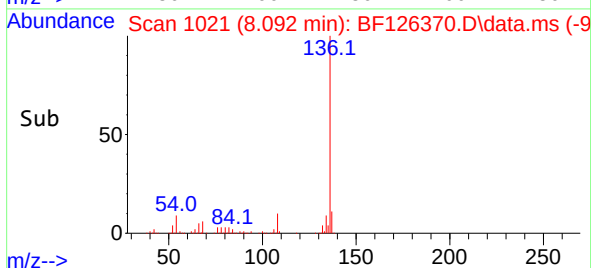
Reviewed By :Jagrut Upadhyay 12/28/2021
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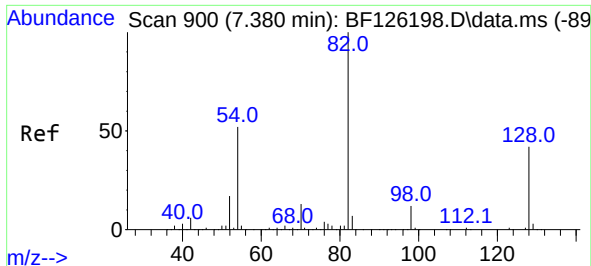


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46



Tgt Ion:136 Resp: 384714
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 8.5 6.4 9.6
68 6.2 3.3 4.9





#23

Nitrobenzene-d5

Concen: 56.112 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

Tgt Ion: 82 Resp: 39858

Ion Ratio Lower Upper

82 100

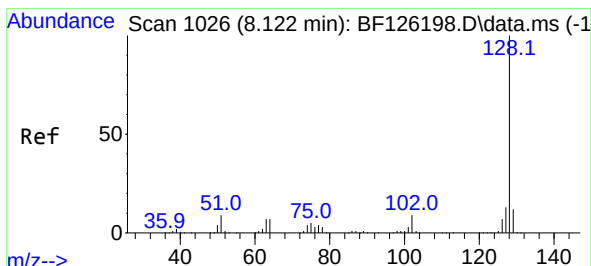
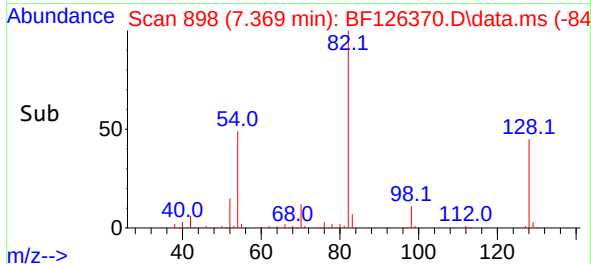
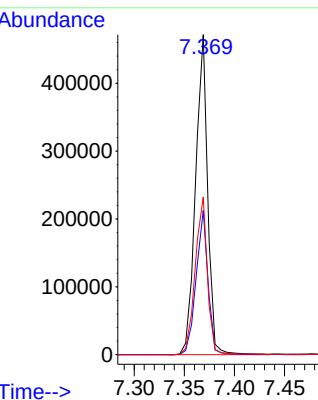
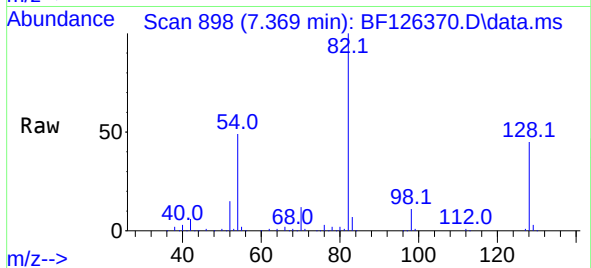
128 45.0 40.6 60.8

54 49.2 49.6 74.4

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#31

Naphthalene

Concen: 16.963 ng

RT: 8.110 min Scan# 1024

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

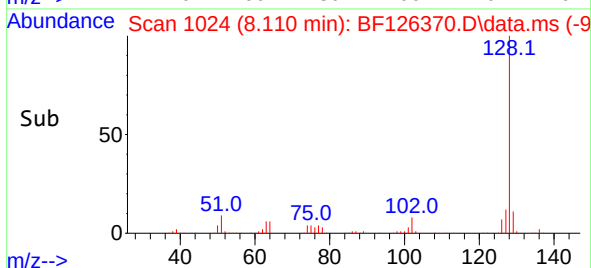
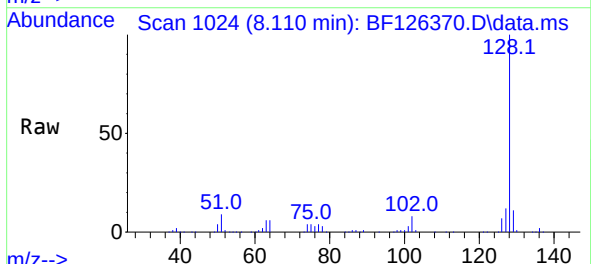
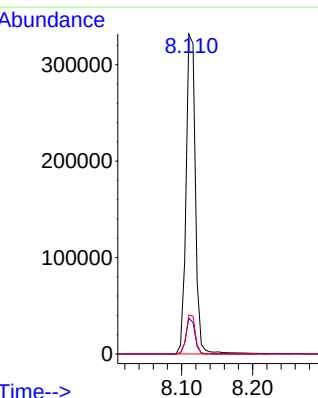
Tgt Ion:128 Resp: 305178

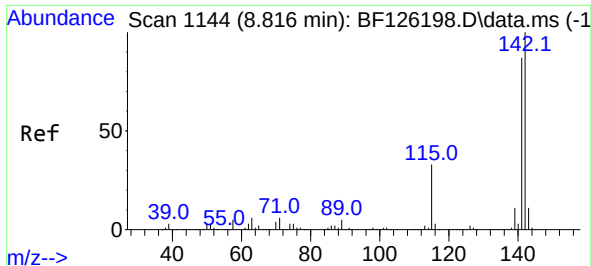
Ion Ratio Lower Upper

128 100

129 11.2 9.4 14.0

127 12.2 10.9 16.3





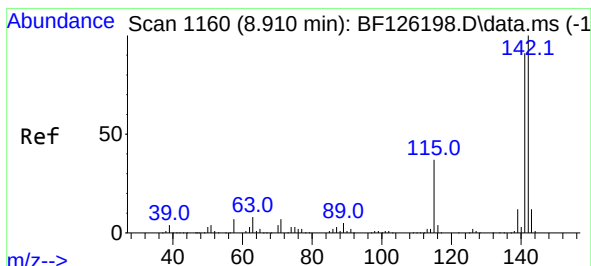
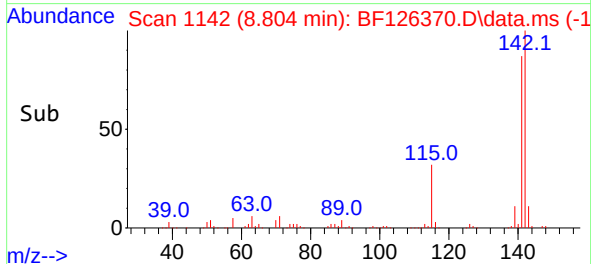
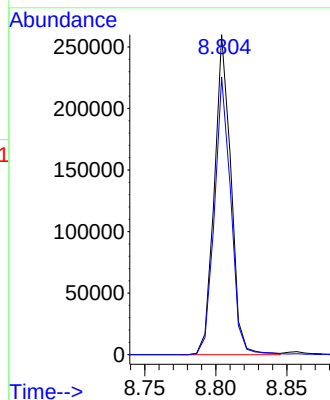
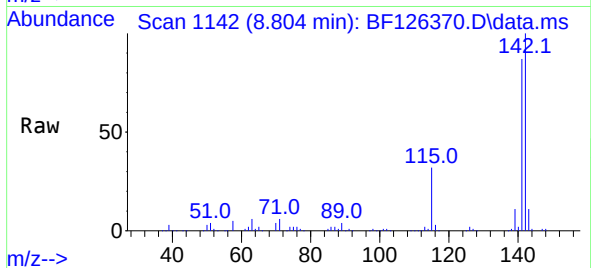
#37
2-Methylnaphthalene
Concen: 19.025 ng
RT: 8.804 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :
BNA_F
ClientSampleId :
PSC124019

Tgt Ion:142 Resp: 210789
Ion Ratio Lower Upper
142 100
141 86.8 71.2 106.8

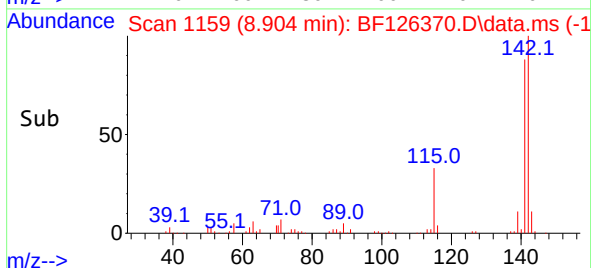
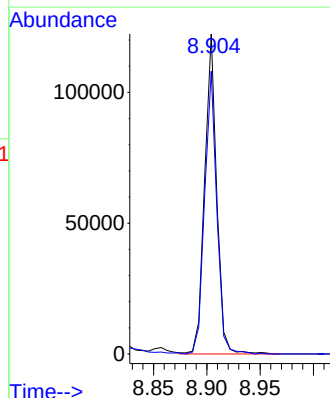
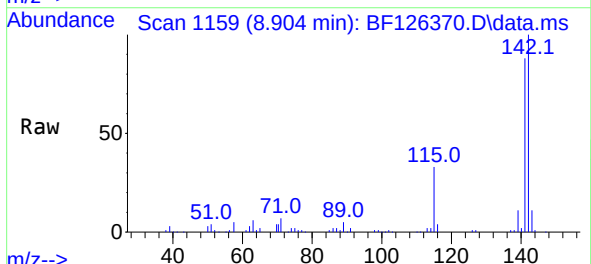
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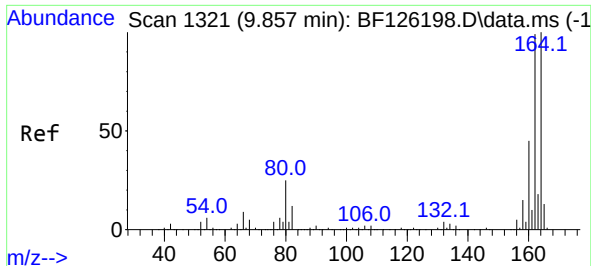
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#38
1-Methylnaphthalene
Concen: 8.987 ng
RT: 8.904 min Scan# 1159
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

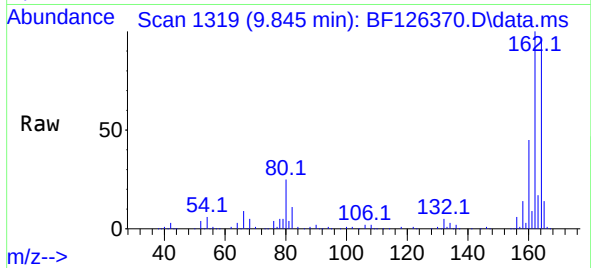
Tgt Ion:142 Resp: 96637
Ion Ratio Lower Upper
142 100
141 88.4 76.0 114.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

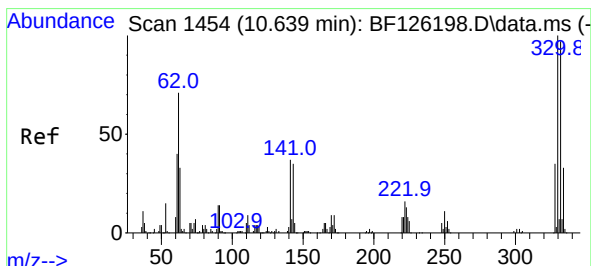
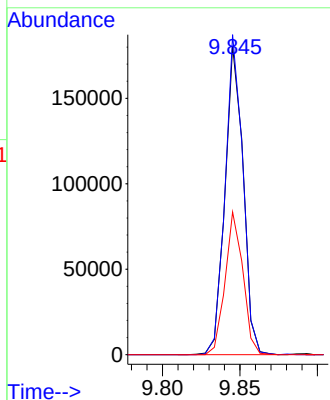
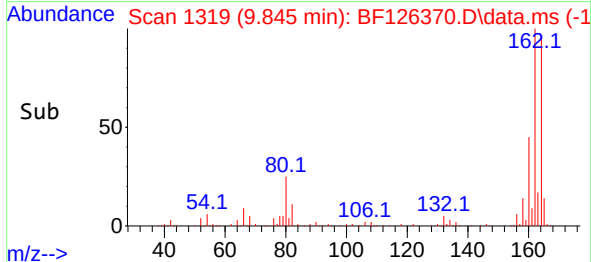
Instrument :
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ClientSampleId :
PSC124019



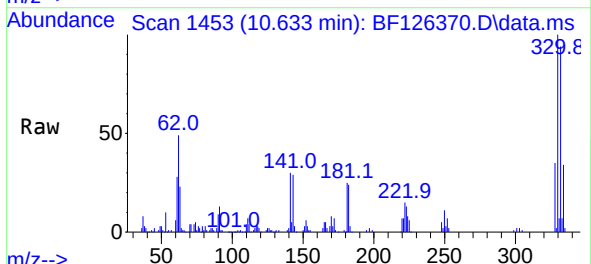
Tgt Ion:164 Resp: 147200
Ion Ratio Lower Upper
164 100
162 103.8 81.3 121.9
160 46.3 38.0 57.0

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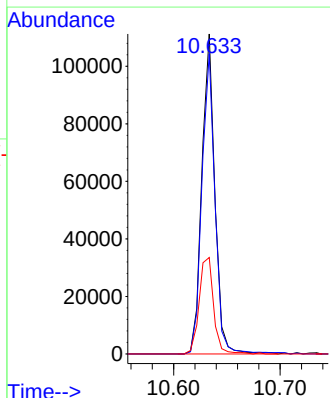
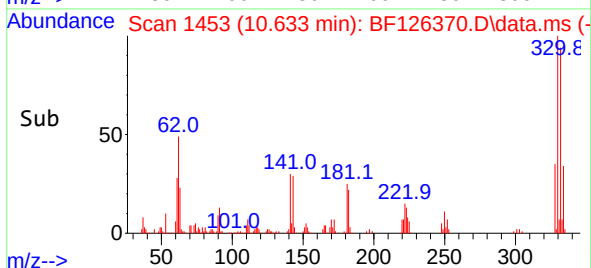
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

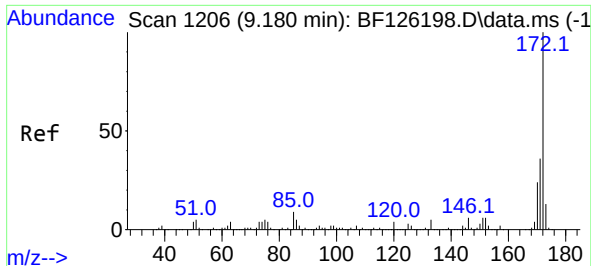


#42
2,4,6-Tribromophenol
Concen: 80.112 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46



Tgt Ion:330 Resp: 94770
Ion Ratio Lower Upper
330 100
332 95.1 76.2 114.4
141 33.7 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 63.439 ng

RT: 9.169 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

Tgt Ion:172 Resp: 532430

Ion Ratio Lower Upper

172 100

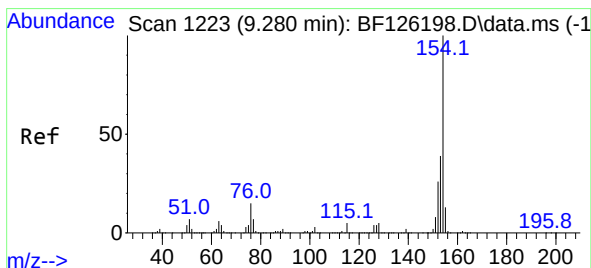
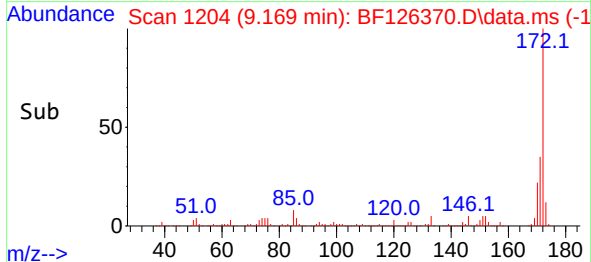
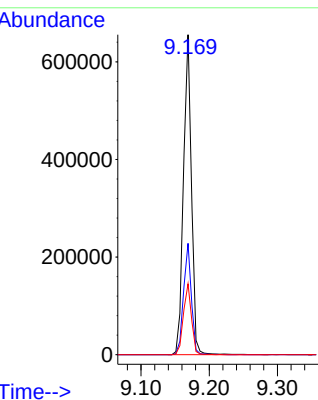
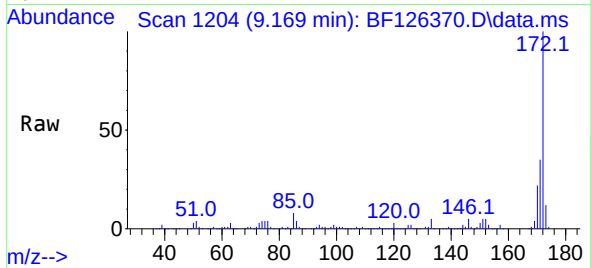
171 34.8 26.5 39.7

170 22.2 18.8 28.2

Manual Integrations

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#46

1,1'-Biphenyl

Concen: 6.080 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

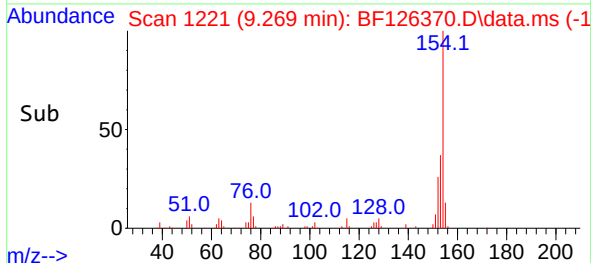
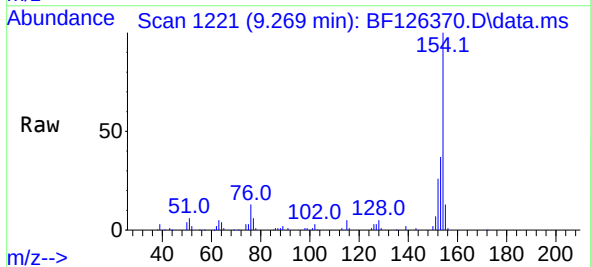
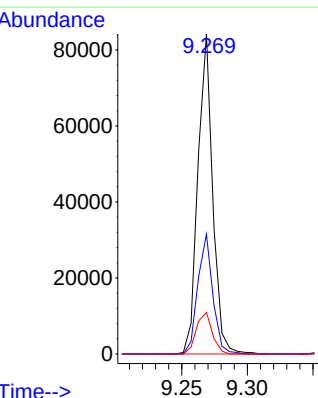
Tgt Ion:154 Resp: 66176

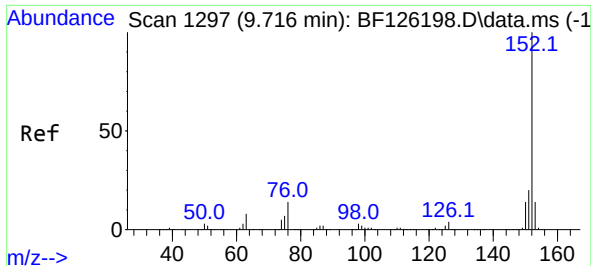
Ion Ratio Lower Upper

154 100

153 37.5 20.0 60.0

76 13.0 0.0 30.3





#49

Acenaphthylene

Concen: 3.130 ng

RT: 9.704 min Scan# 1295

Delta R.T. -0.012 min

Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

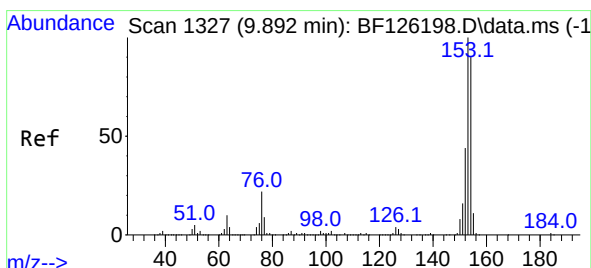
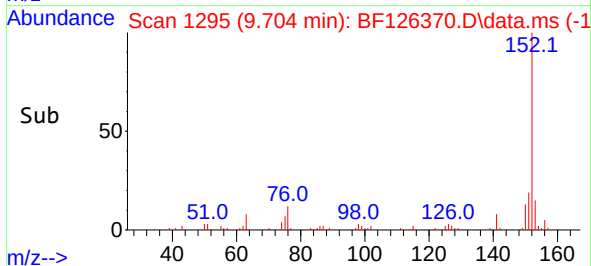
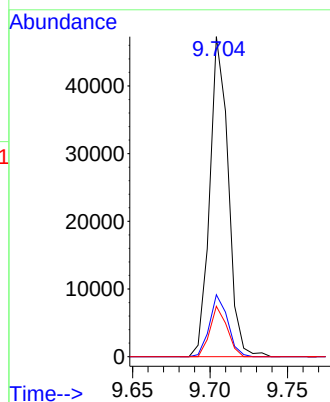
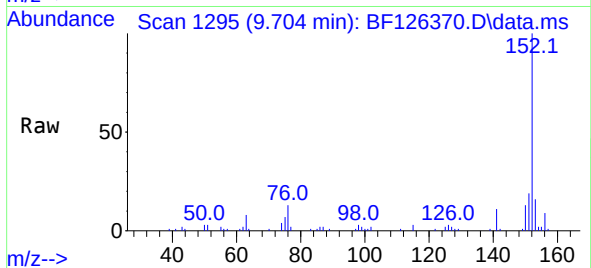
Tgt Ion:152 Resp: 39164

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	15.7	9.8	14.8

Manual Integrations

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#52

Acenaphthene

Concen: 27.576 ng

RT: 9.881 min Scan# 1325

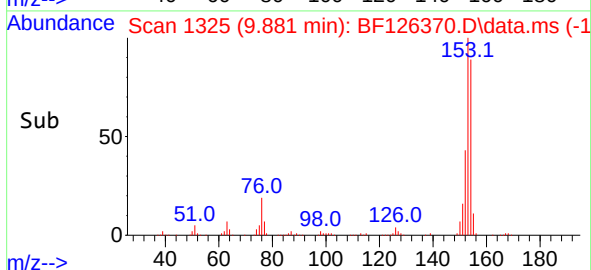
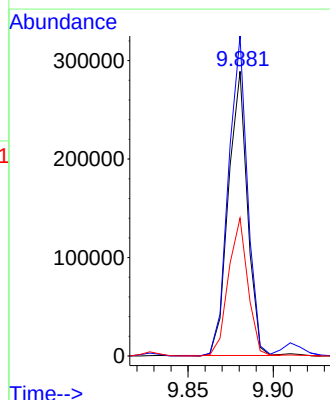
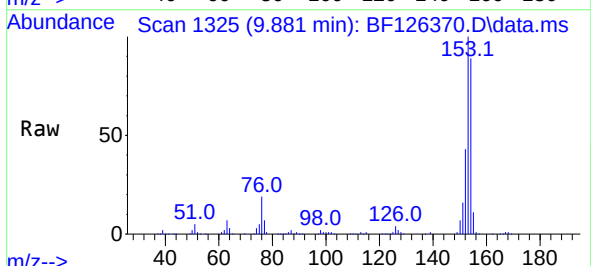
Delta R.T. -0.012 min

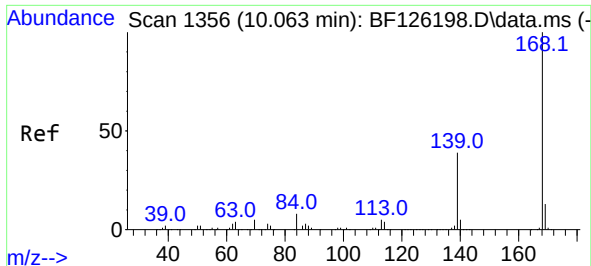
Lab File: BF126370.D

Acq: 27 Dec 2021 22:46

Tgt Ion:154 Resp: 223771

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.4	134.2
152	48.4	40.5	60.7





#55
Dibenzenofuran
Concen: 18.368 ng
RT: 10.051 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

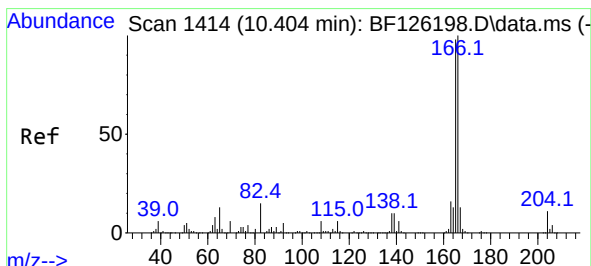
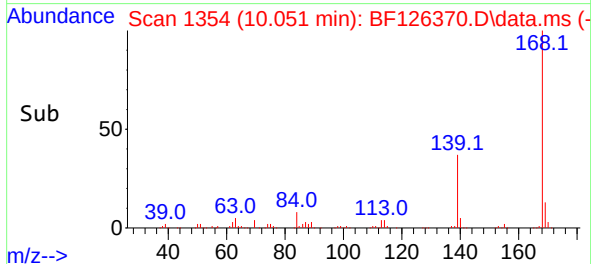
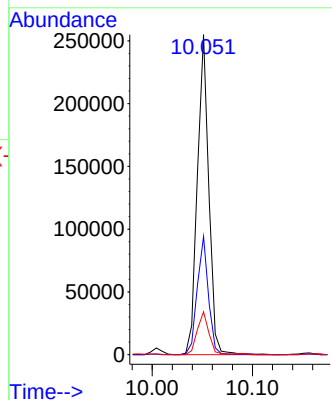
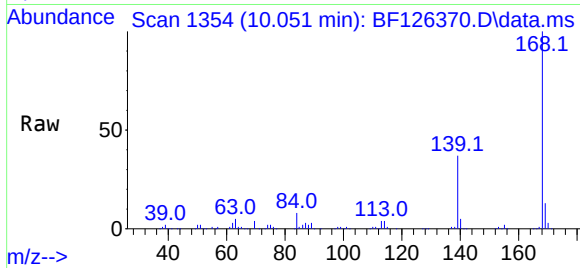
PSC124019

Tgt Ion:168 Resp: 20293
Ion Ratio Lower Upper
168 100
139 36.9 32.7 49.1
169 13.4 11.2 16.8

Manual Integrations

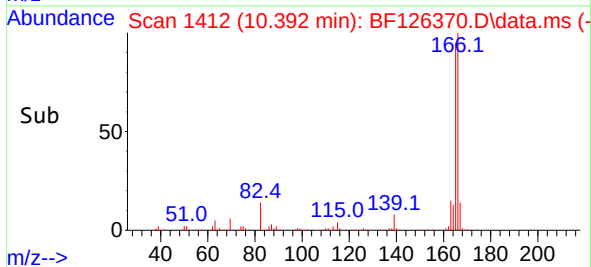
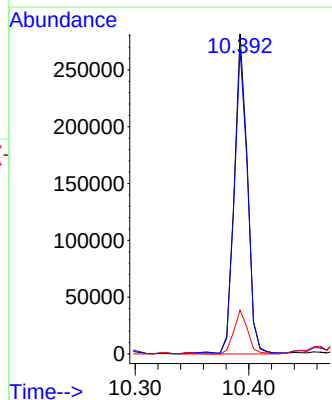
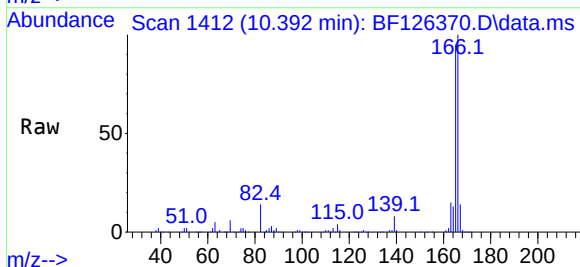
APPROVED

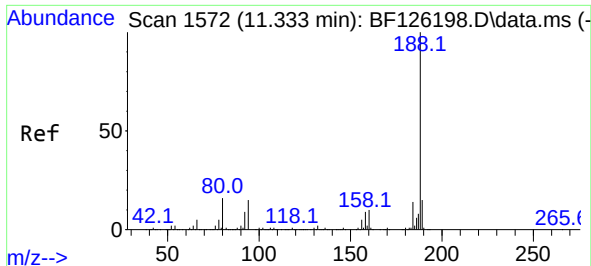
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#58
Fluorene
Concen: 28.320 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:166 Resp: 226510
Ion Ratio Lower Upper
166 100
165 95.4 78.1 117.1
167 13.7 11.1 16.7





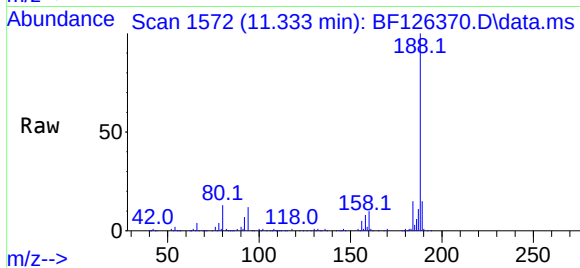
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

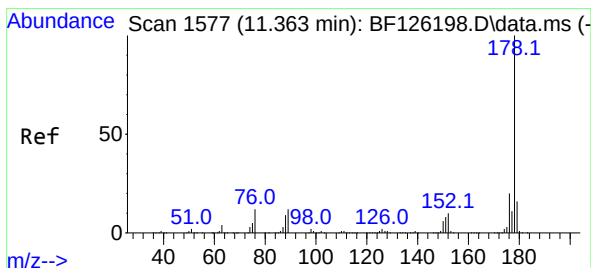
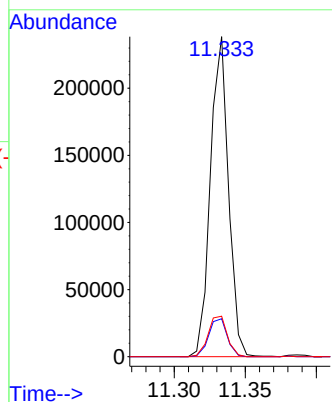
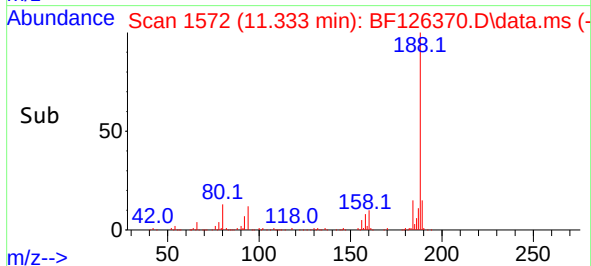


Tgt Ion:188 Resp: 211159
Ion Ratio Lower Upper
188 100
94 11.9 6.7 10.1
80 12.7 7.5 11.3

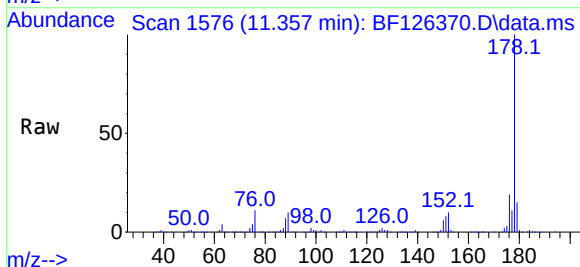
Manual Integrations

APPROVED

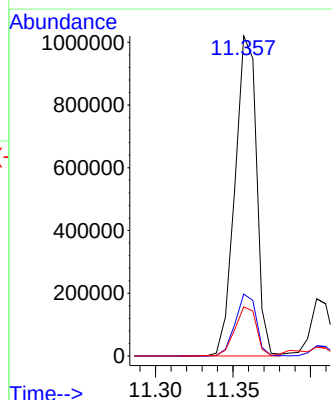
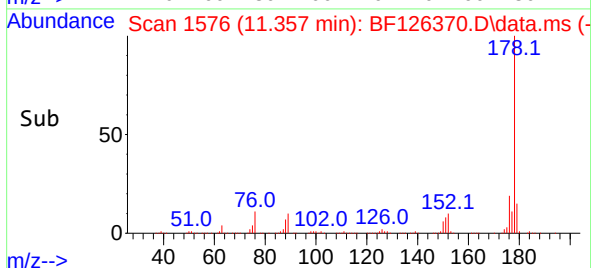
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

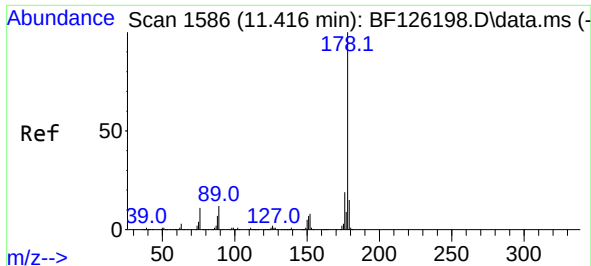


#71
Phenanthrene
Concen: 90.519 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46



Tgt Ion:178 Resp: 986527
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.3 11.5 17.3





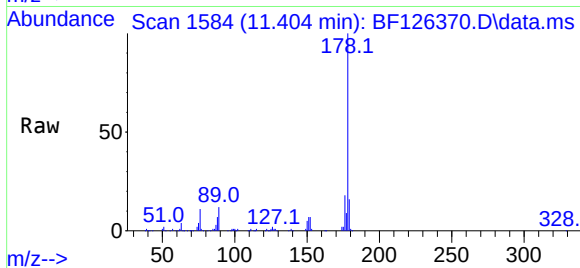
#72
 Anthracene
 Concen: 14.542 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. -0.012 min
 Lab File: BF126370.D
 Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

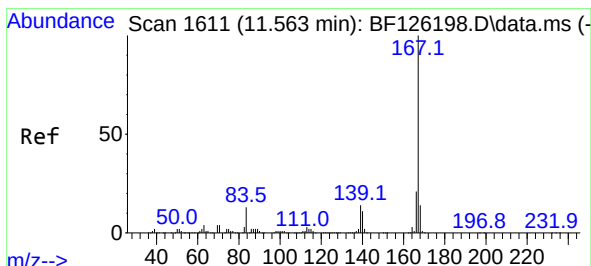
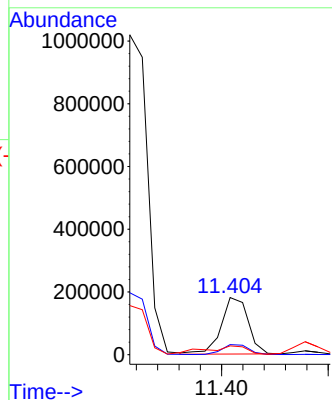
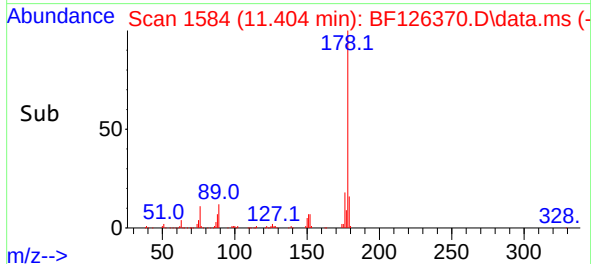


Tgt Ion:178 Resp: 159070
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.3 21.5
 179 15.5 12.2 18.4

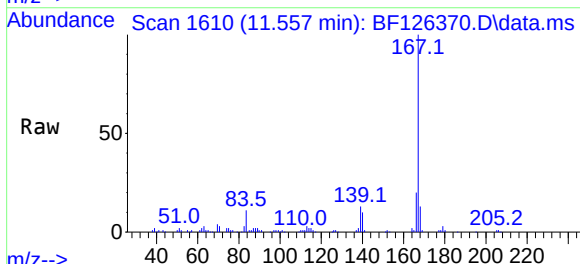
Manual Integrations

APPROVED

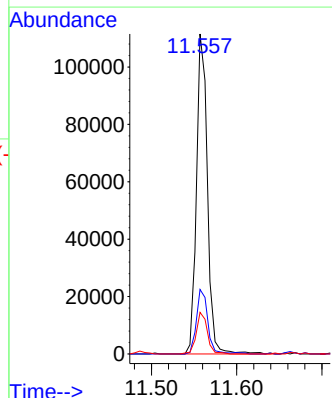
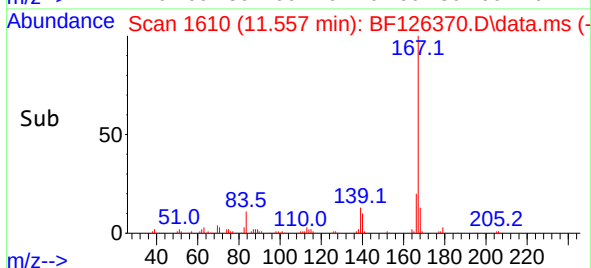
Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/31/2021

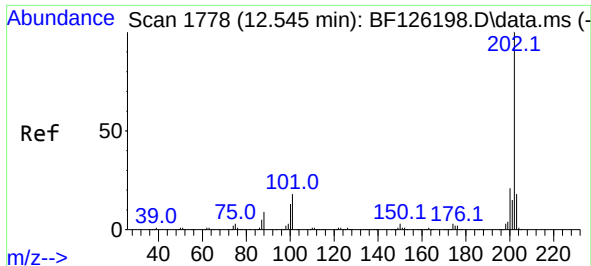


#73
 Carbazole
 Concen: 9.667 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF126370.D
 Acq: 27 Dec 2021 22:46



Tgt Ion:167 Resp: 99590
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 13.0 11.0 16.4





#75
Fluoranthene
Concen: 77.844 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

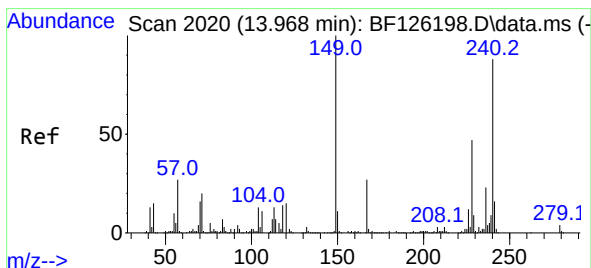
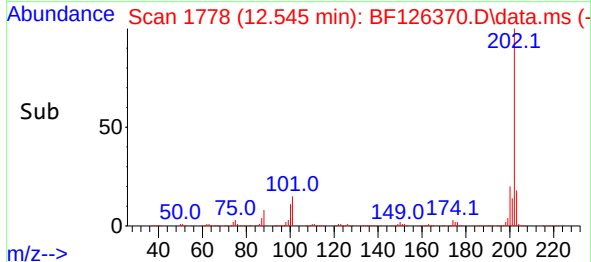
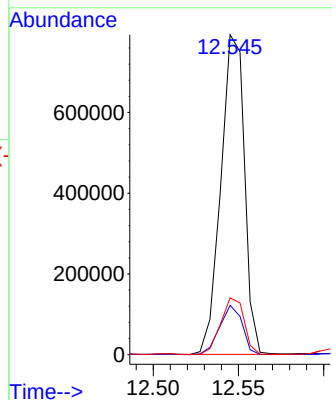
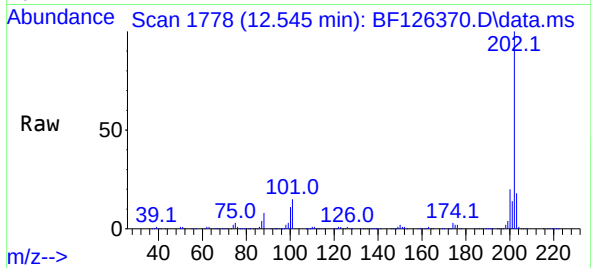
PSC124019

Tgt Ion:202 Resp: 76438
Ion Ratio Lower Upper
202 100
101 15.4 0.0 30.7
203 17.8 0.0 36.3

Manual Integrations

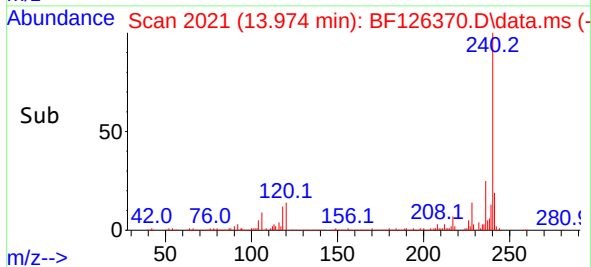
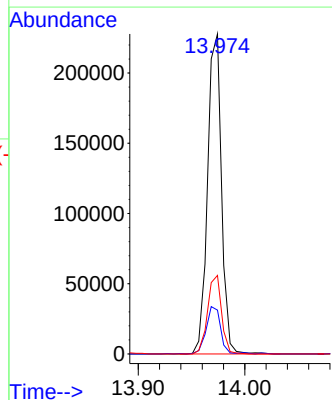
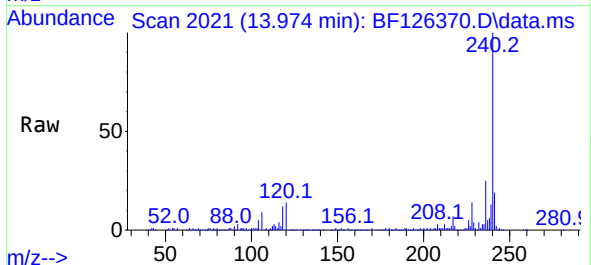
APPROVED

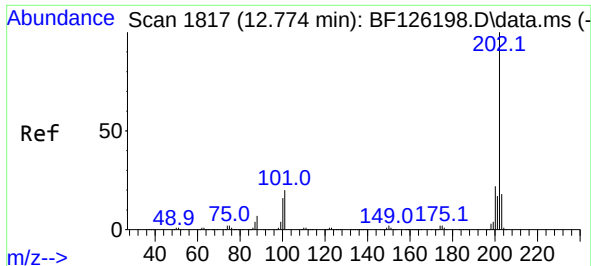
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:240 Resp: 207394
Ion Ratio Lower Upper
240 100
120 13.7 10.8 16.2
236 24.6 21.6 32.4





#78
Pyrene
Concen: 31.434 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

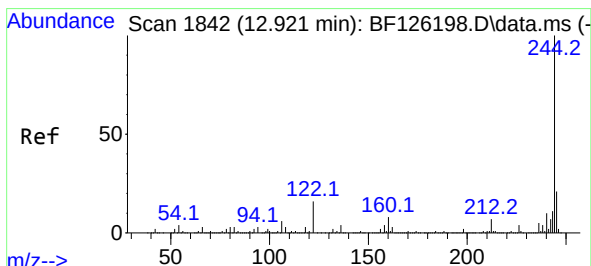
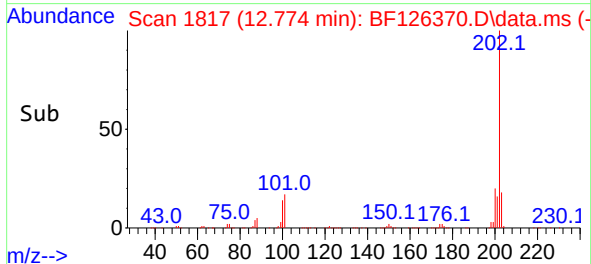
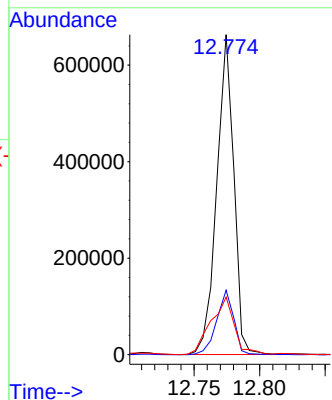
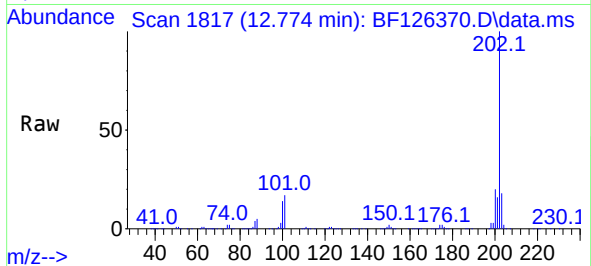
PSC124019

Tgt Ion:202 Resp: 598940
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 18.0 13.4 20.0

Manual Integrations

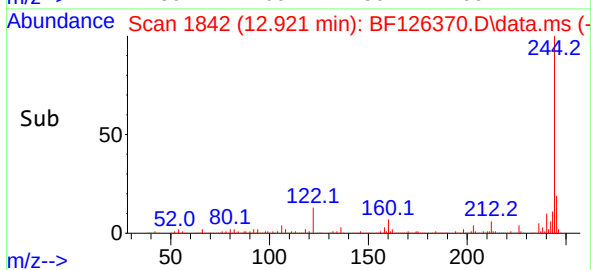
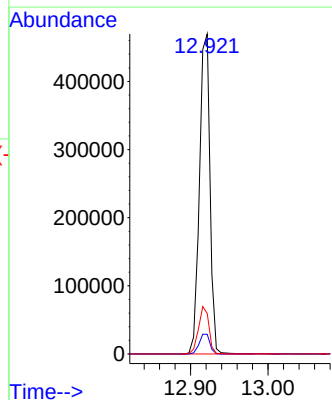
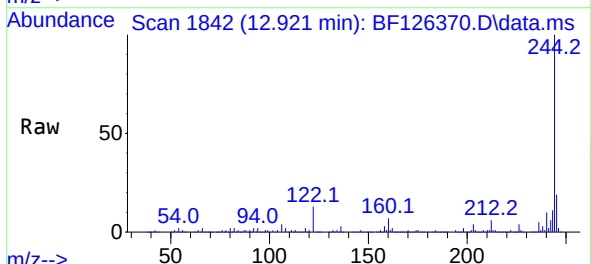
APPROVED

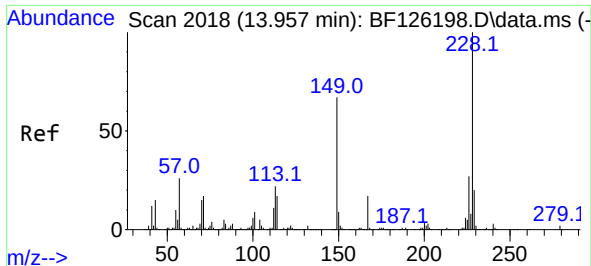
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#79
Terphenyl-d14
Concen: 36.982 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Tgt Ion:244 Resp: 441273
Ion Ratio Lower Upper
244 100
212 6.1 5.9 8.9
122 12.7 9.0 13.4





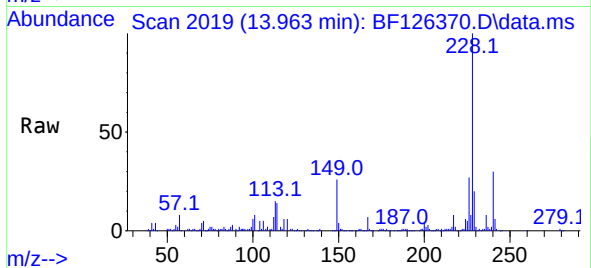
#81
Benzo(a)anthracene
Concen: 17.444 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

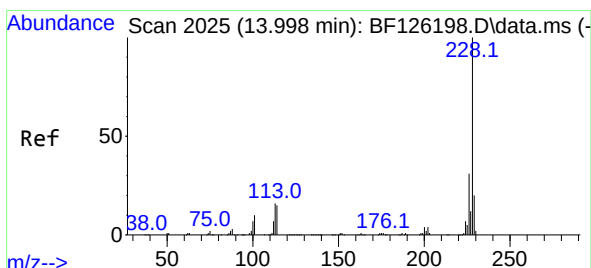
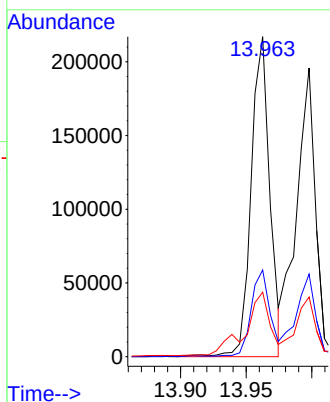
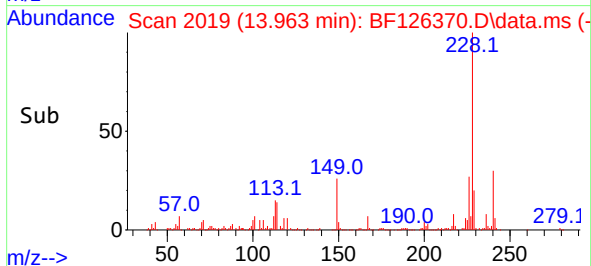


Tgt Ion:228 Resp: 21430
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 20.2 15.6 23.4

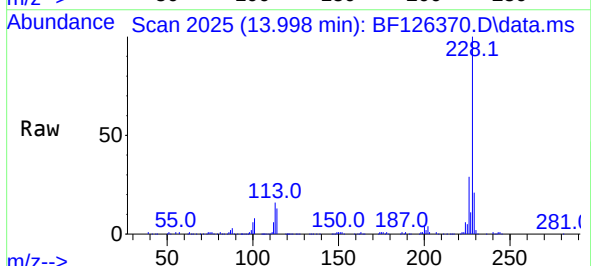
Manual Integrations

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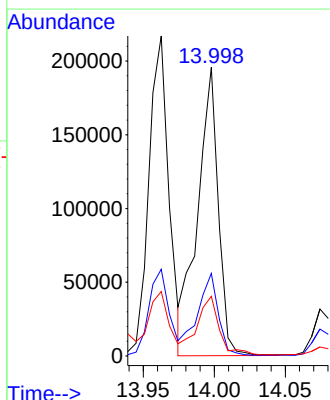
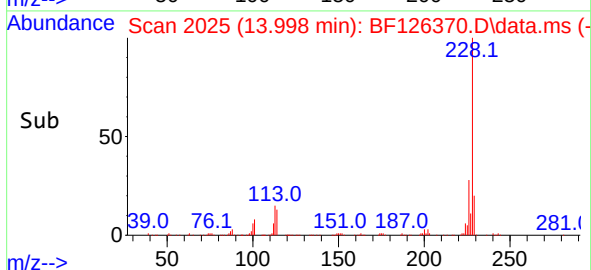
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

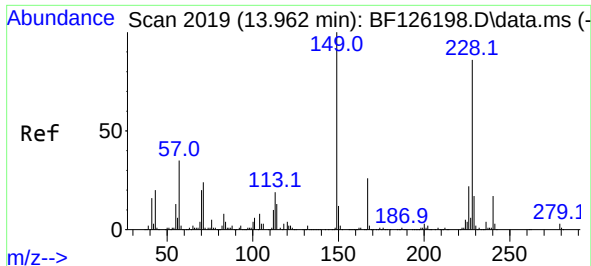


#83
Chrysene
Concen: 15.622 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46



Tgt Ion:228 Resp: 199405
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 20.7 15.9 23.9





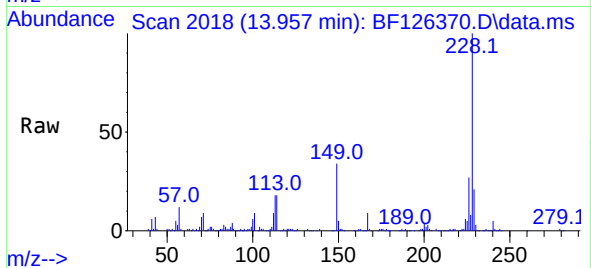
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.557 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

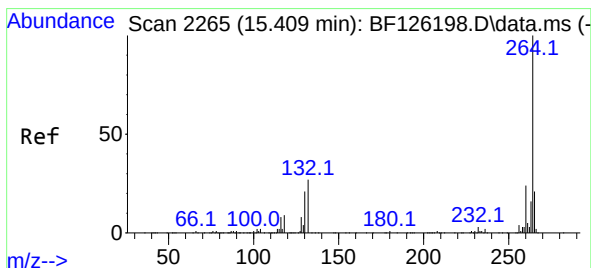
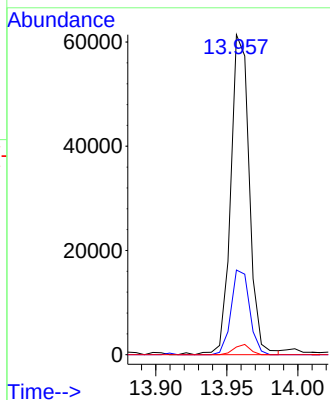
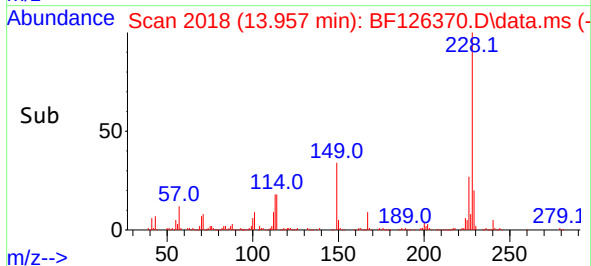


Tgt Ion:149 Resp: 5567
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 2.4 2.6 4.0

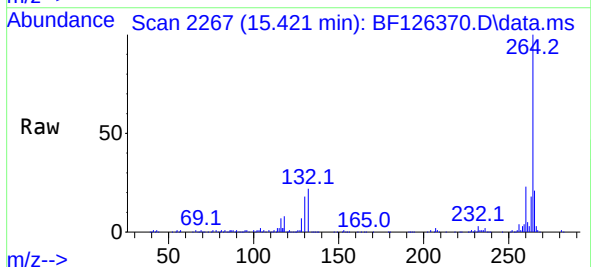
Manual Integrations

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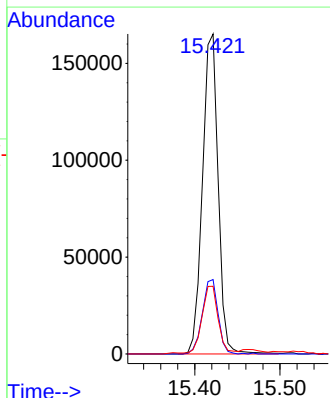
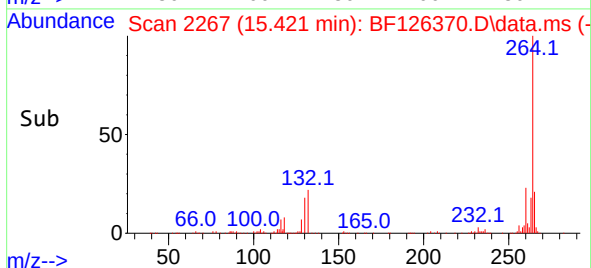
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

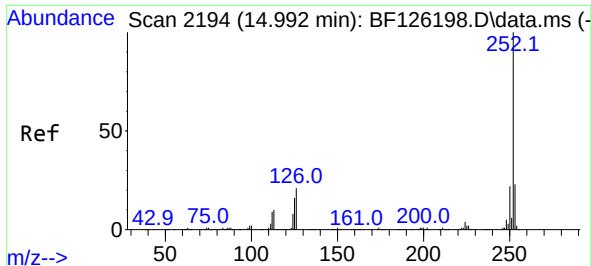


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46



Tgt Ion:264 Resp: 210948
Ion Ratio Lower Upper
264 100
260 23.3 19.6 29.4
265 21.2 17.2 25.8





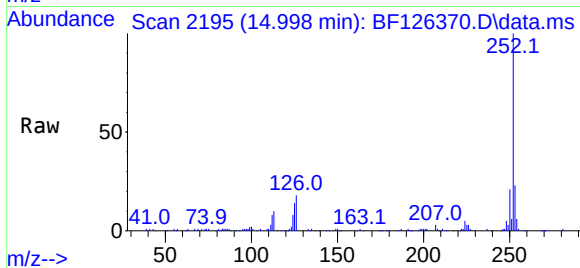
#88
Benzo(b)fluoranthene
Concen: 13.708 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :

BNA_F

ClientSampleId :

PSC124019

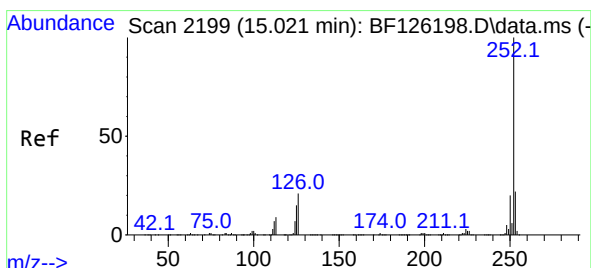
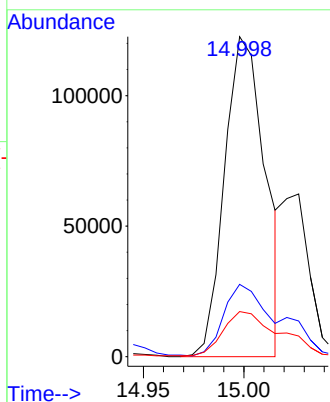
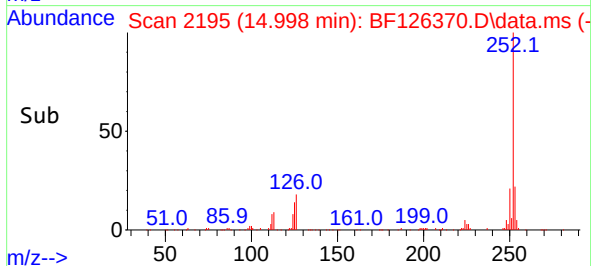


Tgt Ion:252 Resp: 173740
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 14.1 9.8 14.8

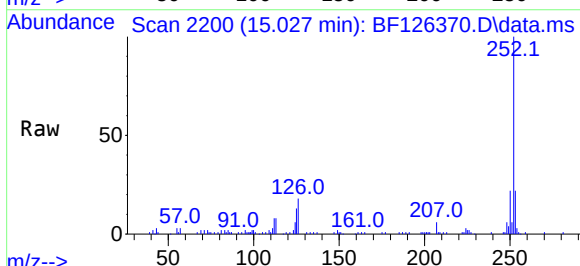
Manual Integrations

APPROVED

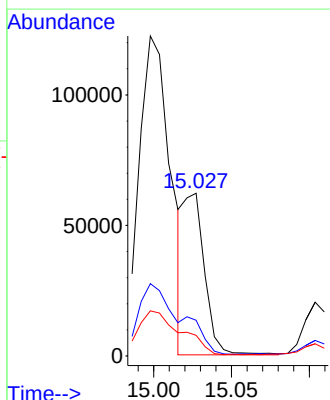
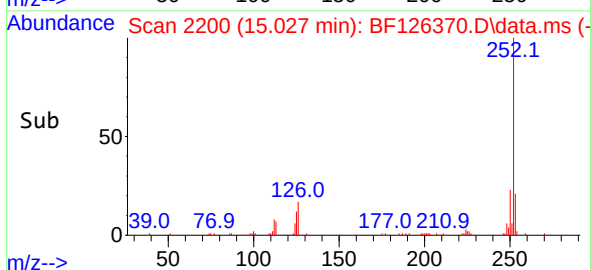
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

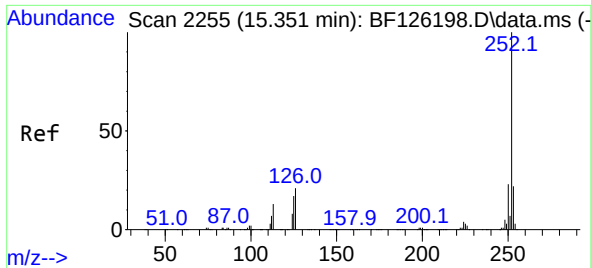


#89
Benzo(k)fluoranthene
Concen: 4.800 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46



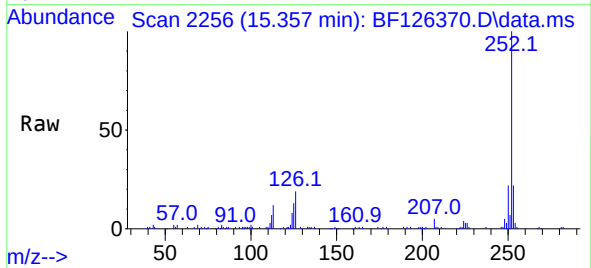
Tgt Ion:252 Resp: 58196
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.7 7.2 10.8





#90
Benzo(a)pyrene
Concen: 8.810 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126370.D
Acq: 27 Dec 2021 22:46

Instrument :
BNA_F
ClientSampleId :
PSC124019



Tgt Ion:252 Resp: 9281
Ion Ratio Lower Upper
252 100
253 21.8 18.4 27.6
125 13.4 9.9 14.9

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

