

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126376.D
 Acq On : 28 Dec 2021 1:51
 Operator : JU/CG
 Sample : M5191-01DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-(0-3.5)-12-21-2021DL

Quant Time: Dec 28 06:02:28 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	84076	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	309462	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	128205	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	227324	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	201259	20.000	ng	0.00
86) Perylene-d12	15.421	264	146024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	252655	44.254	ng	-0.01
7) Phenol-d6	6.434	99	320955	44.275	ng	-0.01
23) Nitrobenzene-d5	7.369	82	184171	32.232	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	39639	38.473	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	268986	36.798	ng	-0.01
79) Terphenyl-d14	12.921	244	291265	25.154	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.880	154	15643	2.213	ng	98
55) Dibenzofuran	10.051	168	22013	2.288	ng	96
58) Fluorene	10.392	166	37232	5.345	ng	99
71) Phenanthrene	11.357	178	427848	36.466	ng	98
72) Anthracene	11.410	178	112635	9.564	ng	98
73) Carbazole	11.563	167	38181	3.443	ng	98
75) Fluoranthene	12.545	202	486555	46.027	ng	92
78) Pyrene	12.774	202	400338	21.651	ng	98
81) Benzo(a)anthracene	13.963	228	200817	16.845	ng	98
83) Chrysene	13.998	228	152156	12.284	ng	96
84) Bis(2-ethylhexyl)phtha...	13.968	149	50917	5.237	ng	# 63
85) Di-n-octyl phthalate	14.580	149	92482	5.336	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.851	276	49949	5.128	ng	97
88) Benzo(b)fluoranthene	15.004	252	162095m	18.475	ng	
89) Benzo(k)fluoranthene	15.027	252	54318m	6.472	ng	
90) Benzo(a)pyrene	15.362	252	103729	14.225	ng	# 95
92) Benzo(g,h,i)perylene	17.280	276	46810	5.714	ng	97

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

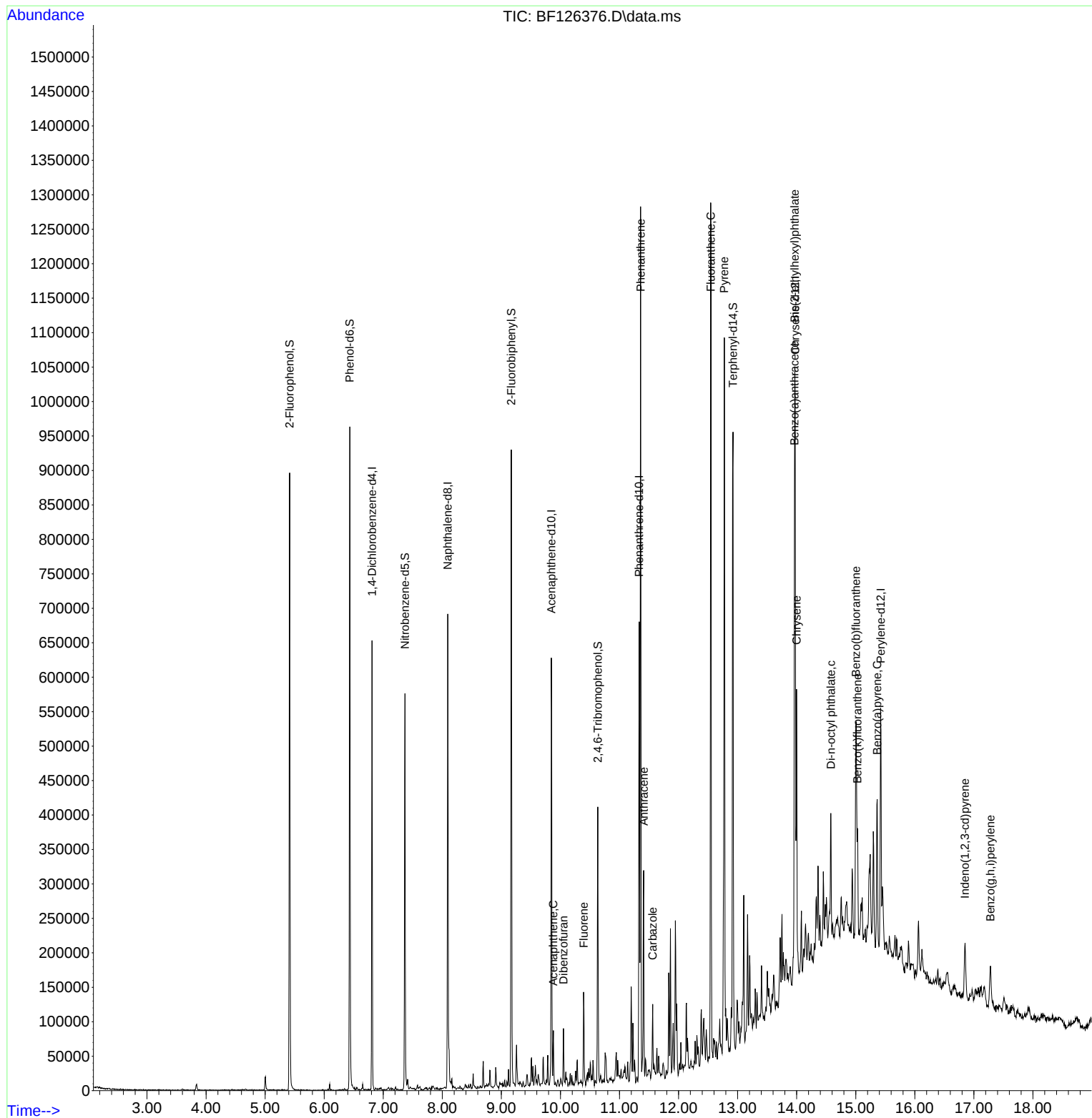
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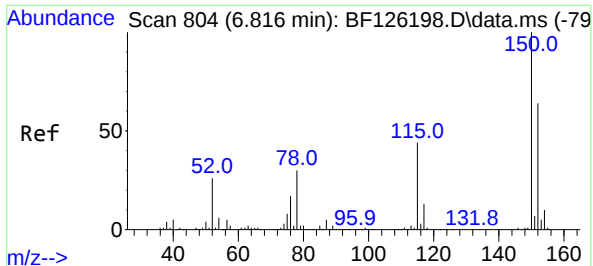
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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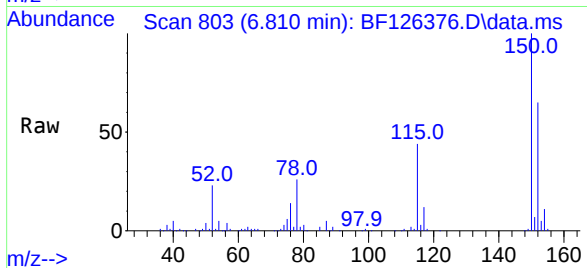
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

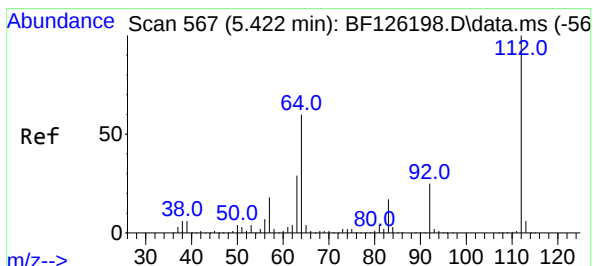
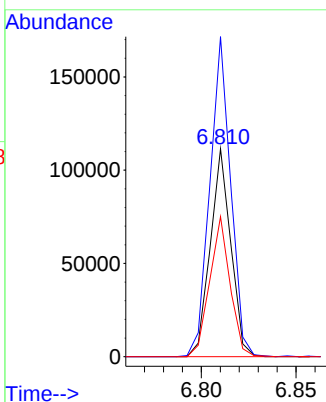
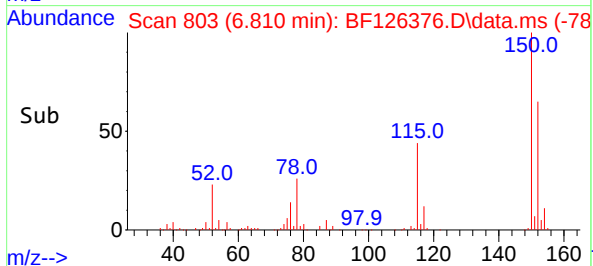
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL



Tgt Ion:152 Resp: 84070
Ion Ratio Lower Upper
152 100
150 153.8 117.6 176.4
115 67.3 47.1 70.7

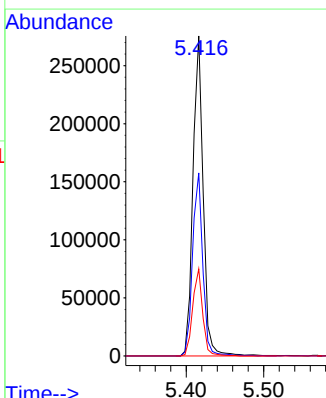
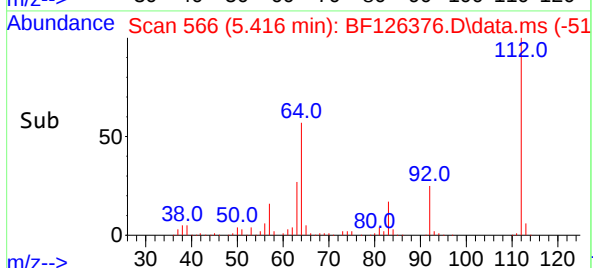
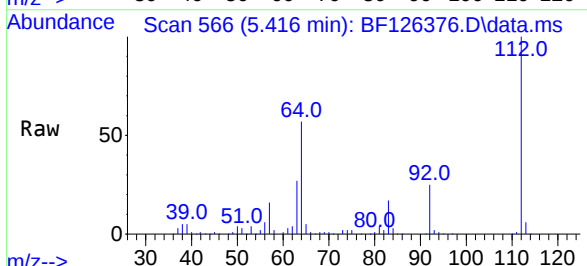
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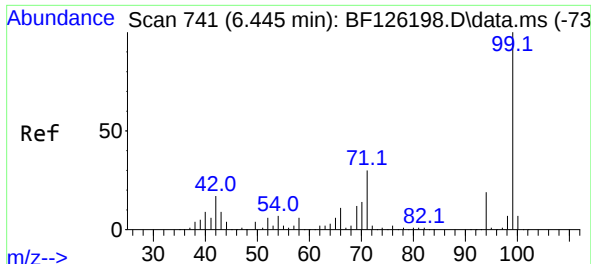
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#5
2-Fluorophenol
Concen: 44.254 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

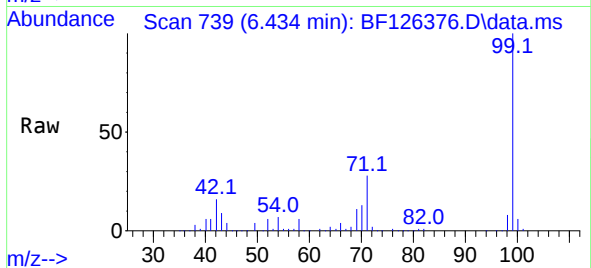
Tgt Ion:112 Resp: 252655
Ion Ratio Lower Upper
112 100
64 57.2 44.2 66.2
63 27.2 26.2 39.2





#7
Phenol-d6
Concen: 44.275 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

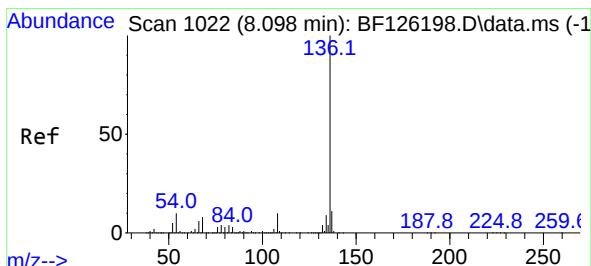
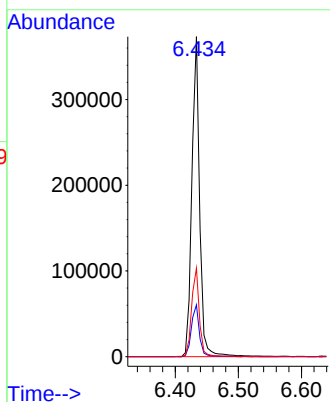
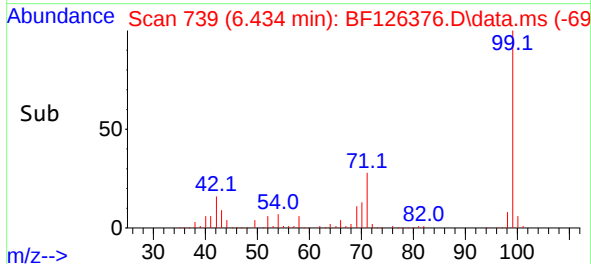
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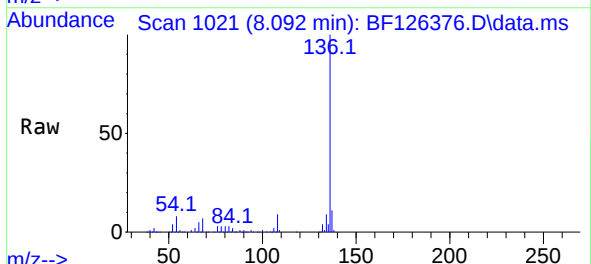
Tgt Ion: 99 Resp: 32095
Ion Ratio Lower Upper
99 100
42 16.2 23.5 35.3
71 27.7 25.6 38.4

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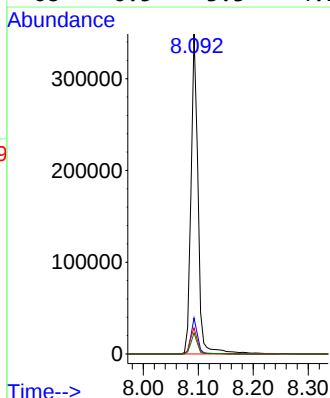
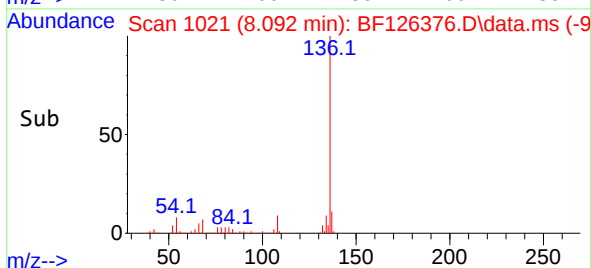
Reviewed By :Jagrut Upadhyay 12/28/2021
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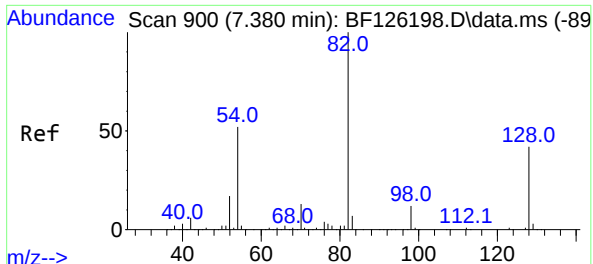


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51



Tgt Ion:136 Resp: 309462
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.6
54 8.2 6.4 9.6
68 6.5 3.3 4.9





#23

Nitrobenzene-d5

Concen: 32.232 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

Instrument :

BNA_F

ClientSampleId :

TP-(0-3.5)-12-21-2021DL

Tgt Ion: 82 Resp: 18417

Ion Ratio Lower Upper

82 100

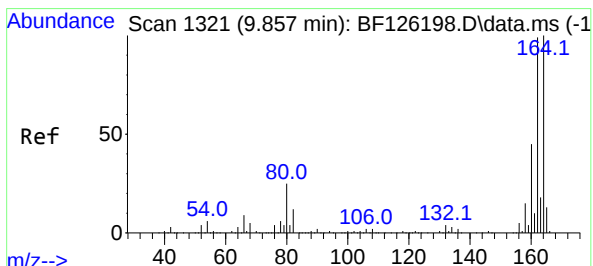
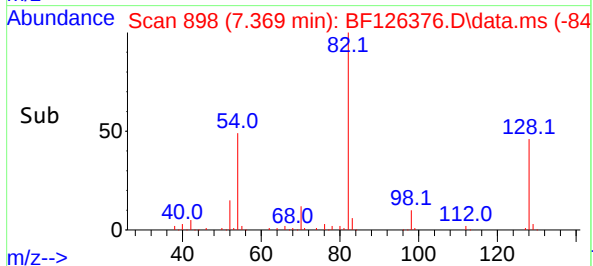
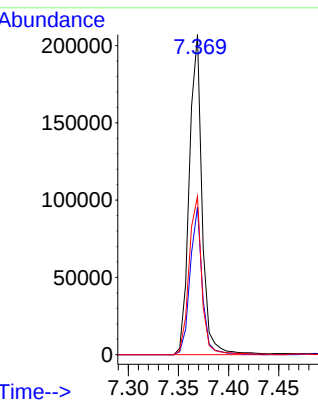
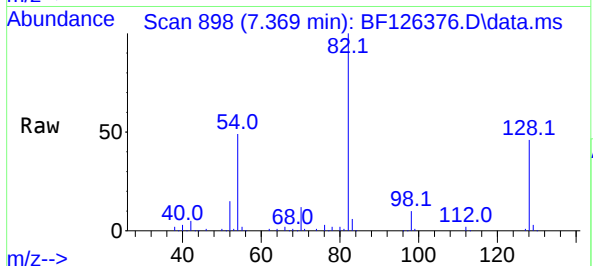
128 46.2 40.6 60.8

54 49.5 49.6 74.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.012 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

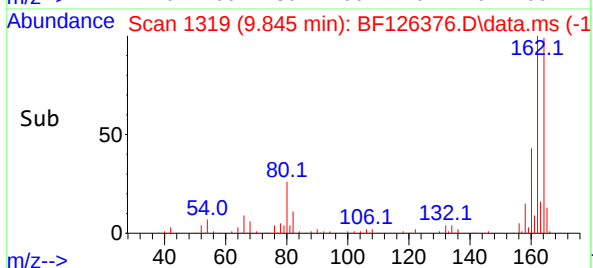
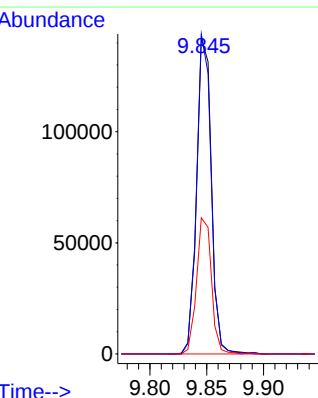
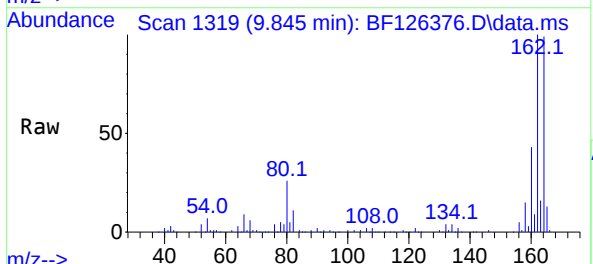
Tgt Ion:164 Resp: 128205

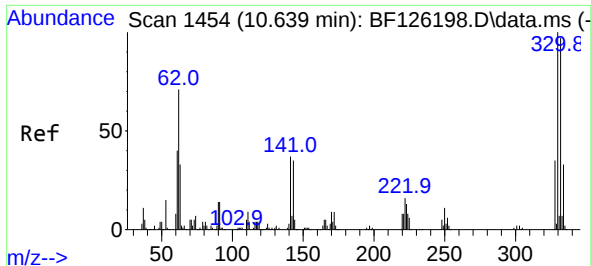
Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

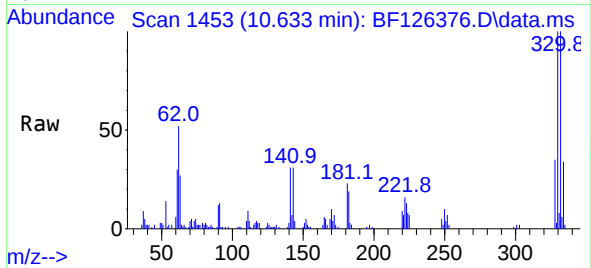
160 43.1 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 38.473 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

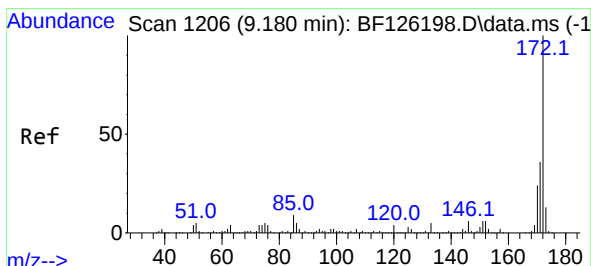
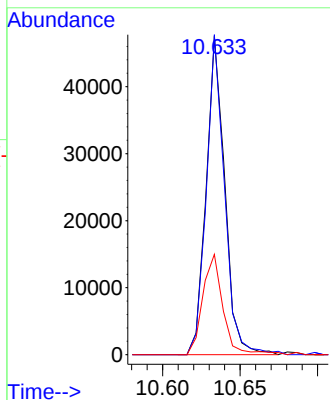
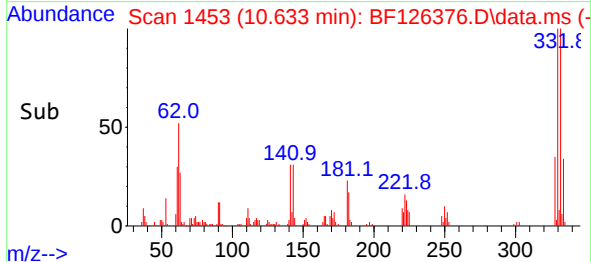
Instrument :
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TP-(0-3.5)-12-21-2021DL



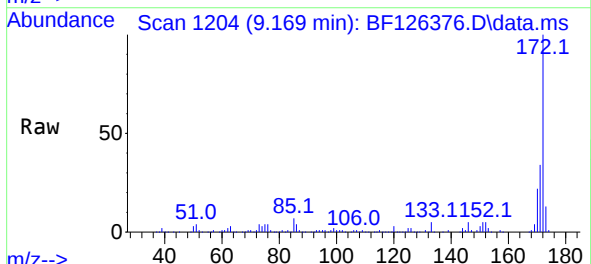
Tgt Ion:330 Resp: 39639
Ion Ratio Lower Upper
330 100
332 98.1 76.2 114.4
141 34.3 44.6 66.8

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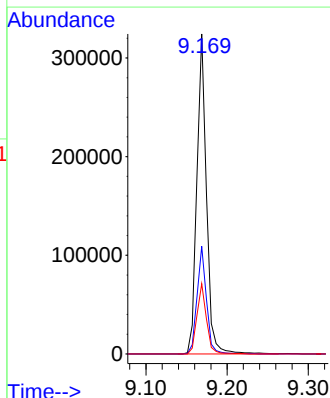
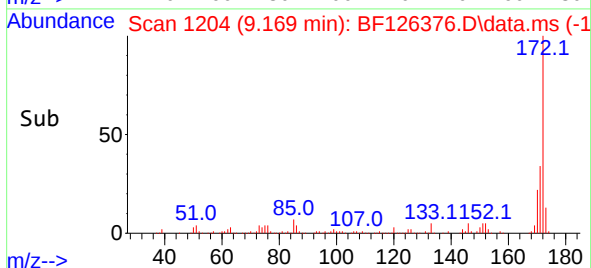
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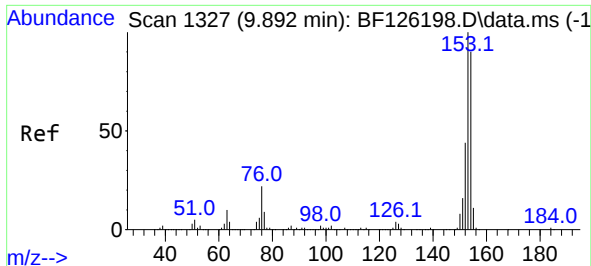


#45
2-Fluorobiphenyl
Concen: 36.798 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51



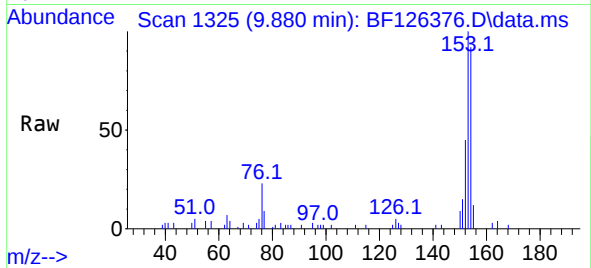
Tgt Ion:172 Resp: 268986
Ion Ratio Lower Upper
172 100
171 33.7 26.5 39.7
170 22.0 18.8 28.2





#52
Acenaphthene
Concen: 2.213 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

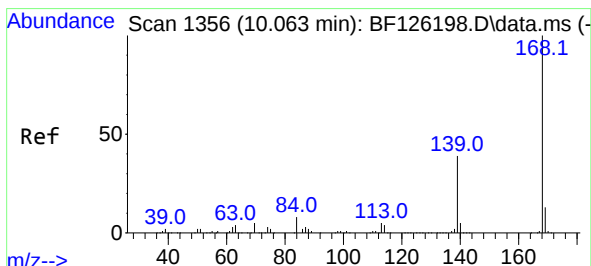
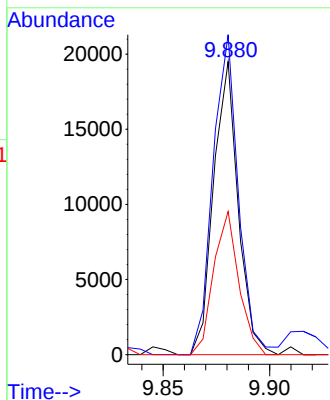
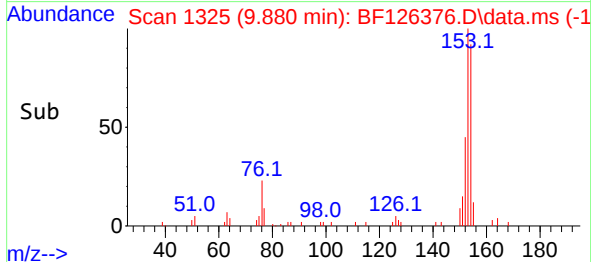
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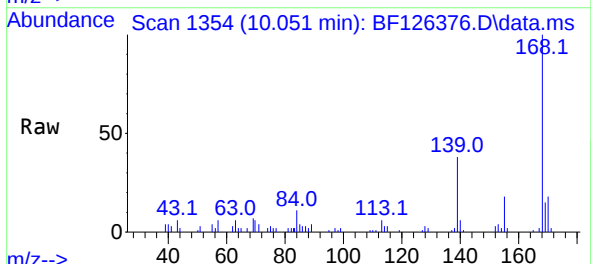
Tgt Ion:154 Resp: 1564
Ion Ratio Lower Upper
154 100
153 109.2 89.4 134.2
152 48.9 40.5 60.7

Manual Integrations
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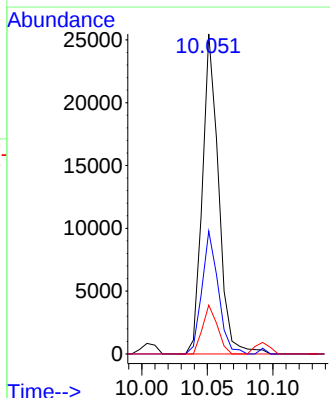
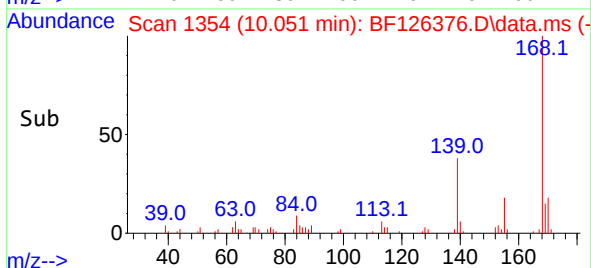
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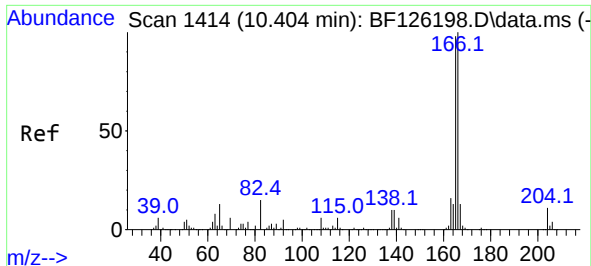


#55
Dibenzofuran
Concen: 2.288 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51



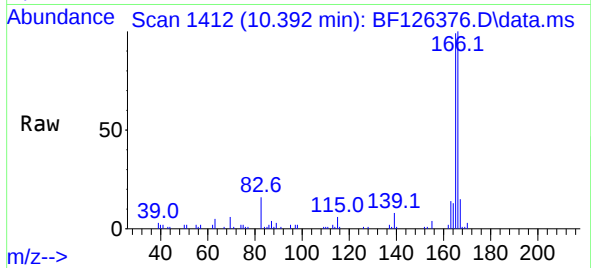
Tgt Ion:168 Resp: 22013
Ion Ratio Lower Upper
168 100
139 38.4 32.7 49.1
169 15.2 11.2 16.8





#58
Fluorene
Concen: 5.345 ng
RT: 10.392 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

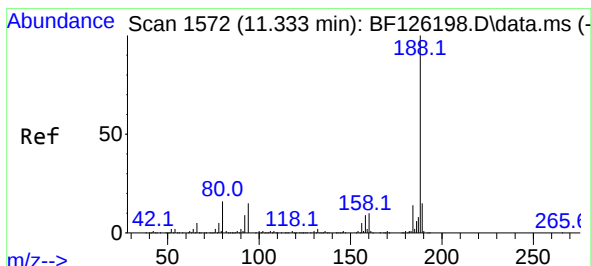
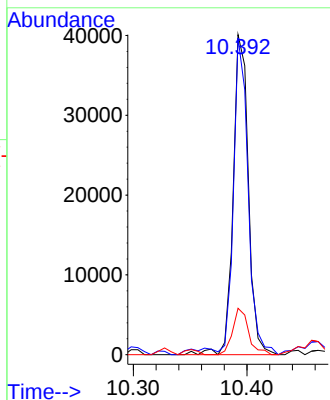
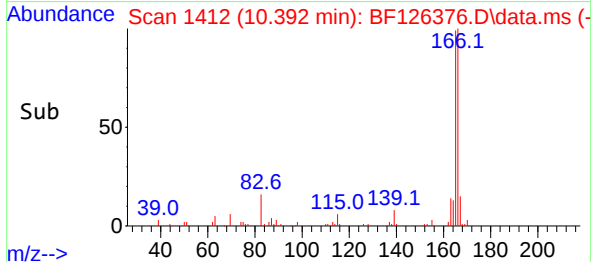
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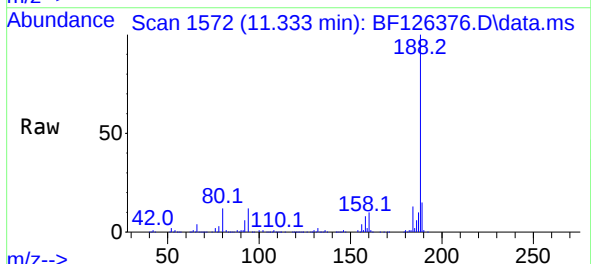
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Ion Ratio Lower Upper
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165 99.0 78.1 117.1
167 14.5 11.1 16.7

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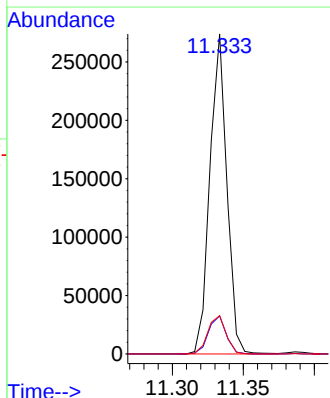
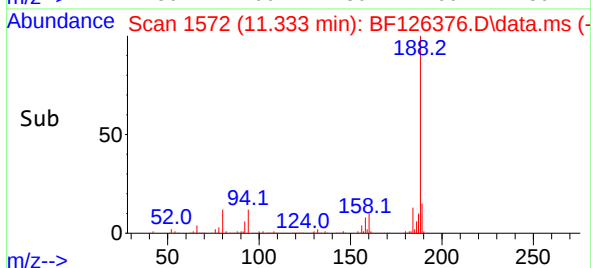
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

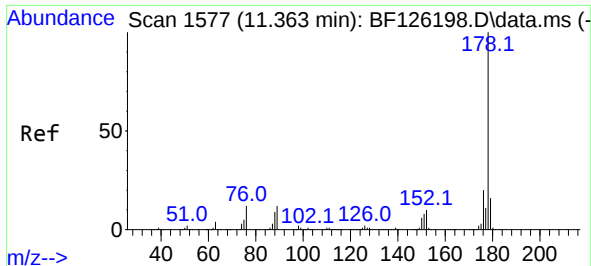


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51



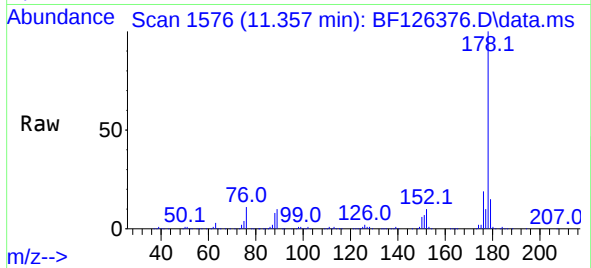
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Ion Ratio Lower Upper
188 100
94 11.9 6.7 10.1#
80 11.9 7.5 11.3#





#71
Phenanthrene
Concen: 36.466 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

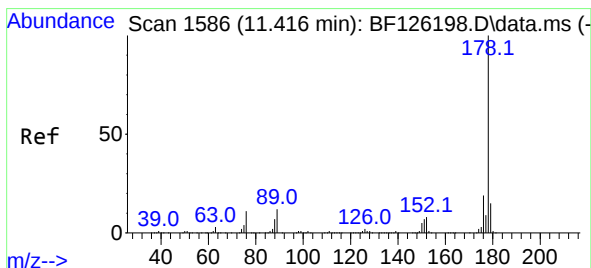
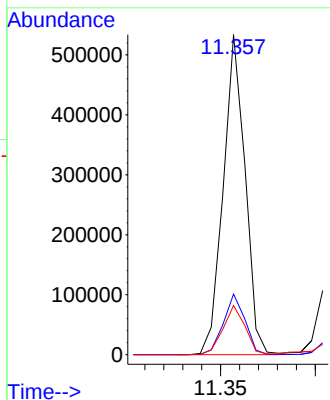
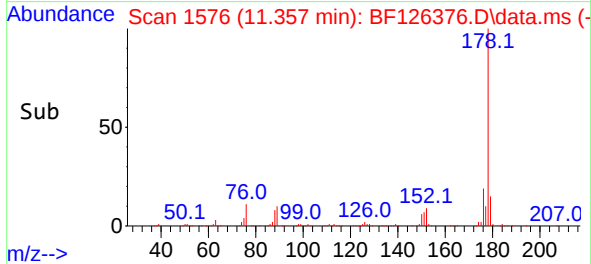
Instrument :
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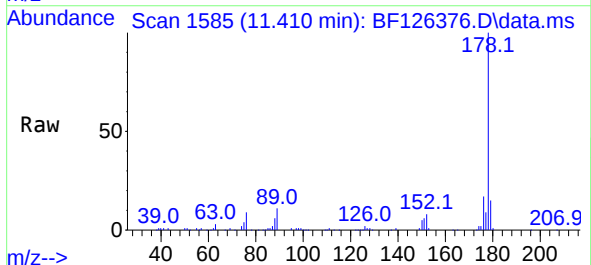
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Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.4 11.5 17.3

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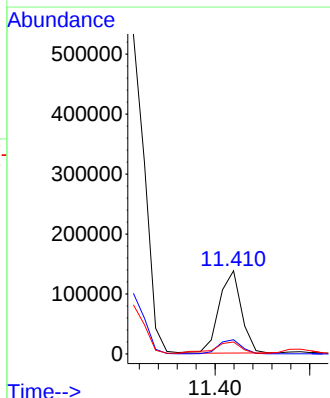
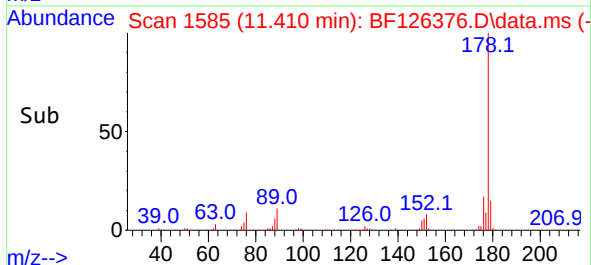
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

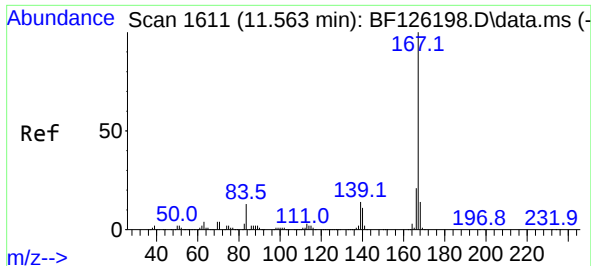


#72
Anthracene
Concen: 9.564 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51



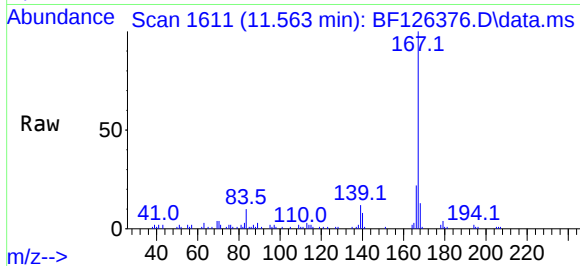
Tgt Ion:178 Resp: 112635
Ion Ratio Lower Upper
178 100
176 17.1 14.3 21.5
179 14.5 12.2 18.4





#73
 Carbazole
 Concen: 3.443 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF126376.D
 Acq: 28 Dec 2021 1:51

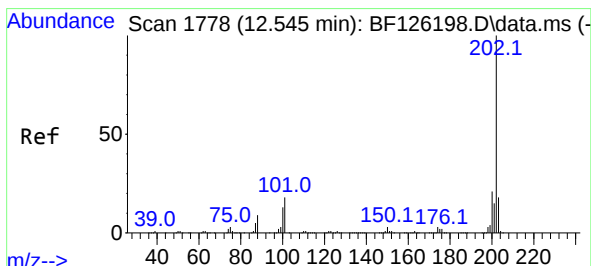
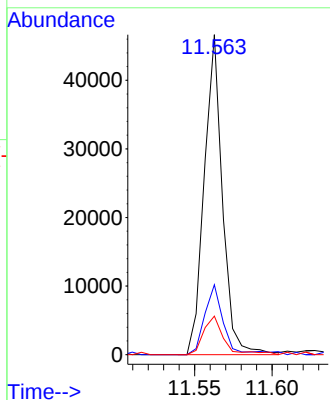
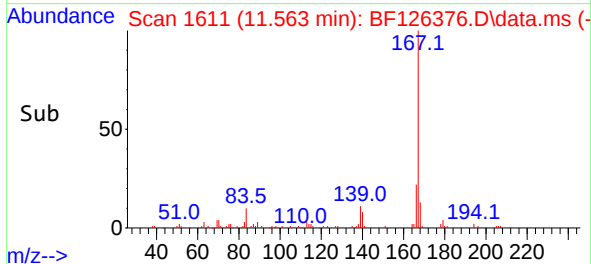
Instrument :
 BNA_F
 ClientSampleId :
 TP-(0-3.5)-12-21-2021DL



Tgt Ion:167 Resp: 3818
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 12.1 11.0 16.4

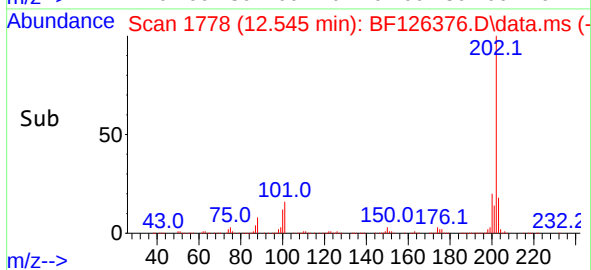
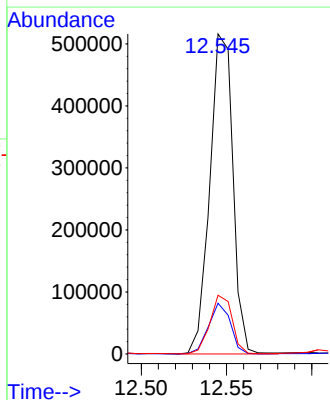
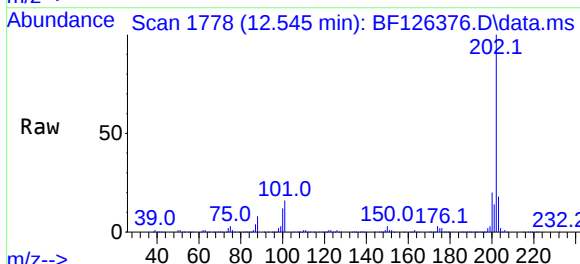
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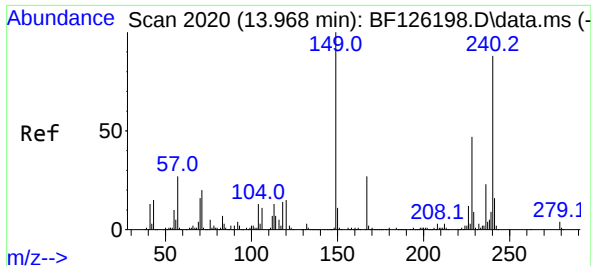
Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/31/2021



#75
 Fluoranthene
 Concen: 46.027 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BF126376.D
 Acq: 28 Dec 2021 1:51

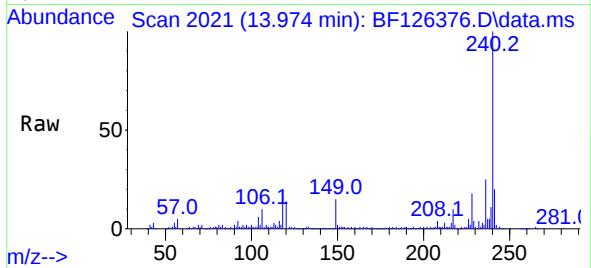
Tgt Ion:202 Resp: 486555
 Ion Ratio Lower Upper
 202 100
 101 15.9 0.0 30.7
 203 18.4 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20125
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

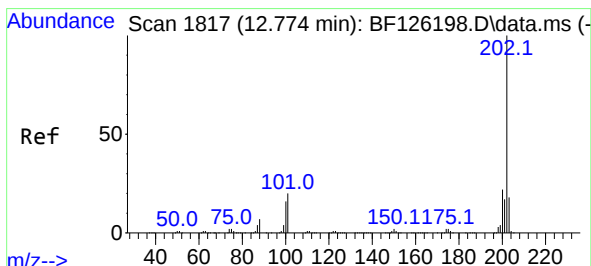
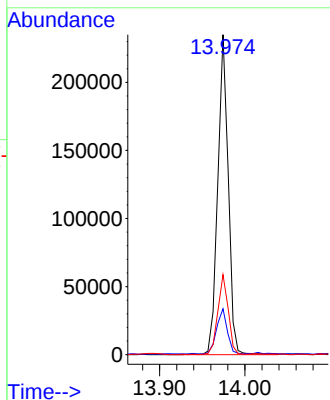
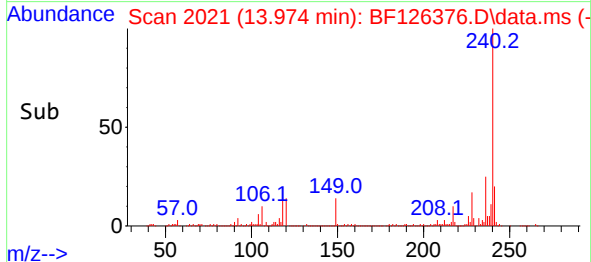
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL



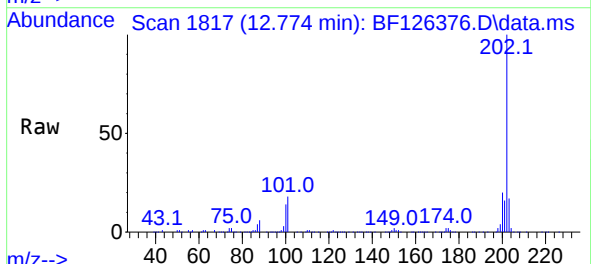
Tgt Ion:240 Resp: 20125
Ion Ratio Lower Upper
240 100
120 14.4 10.8 16.2
236 25.0 21.6 32.4

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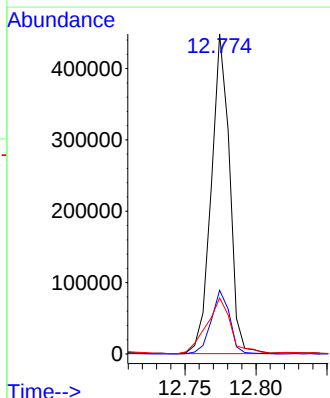
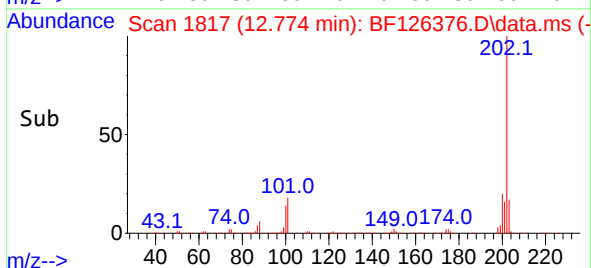
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

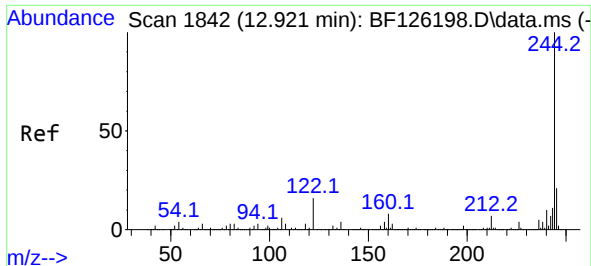


#78
Pyrene
Concen: 21.651 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51



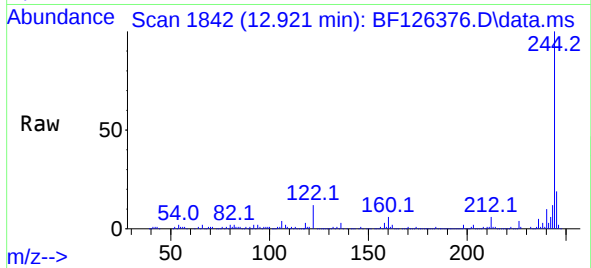
Tgt Ion:202 Resp: 400338
Ion Ratio Lower Upper
202 100
200 19.9 15.3 22.9
203 17.5 13.4 20.0





#79
 Terphenyl-d14
 Concen: 25.154 ng
 RT: 12.921 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126376.D
 Acq: 28 Dec 2021 1:51

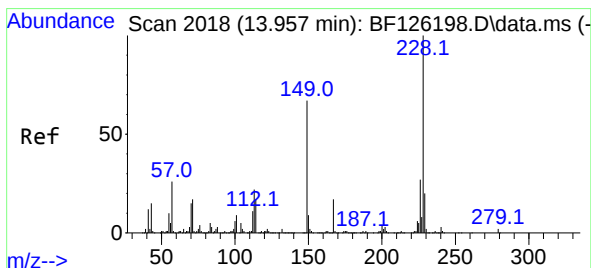
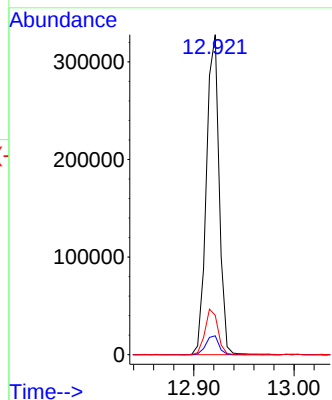
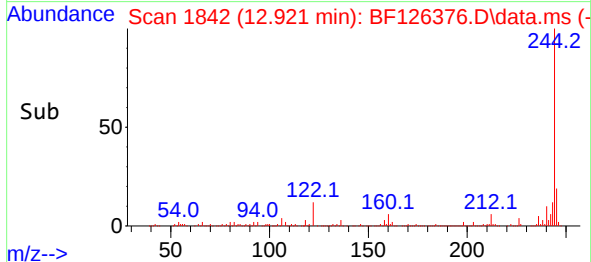
Instrument :
 BNA_F
 ClientSampleId :
 TP-(0-3.5)-12-21-2021DL



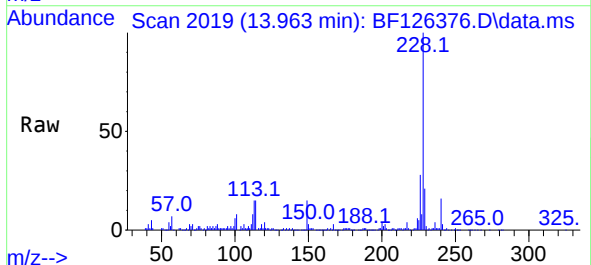
Tgt Ion:244 Resp: 29126
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.9 8.9
 122 12.3 9.0 13.4

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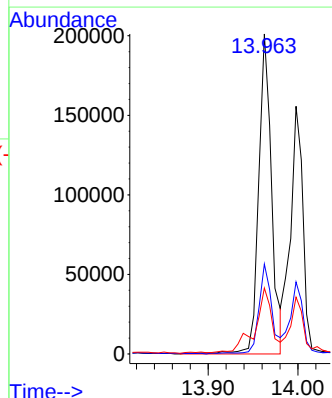
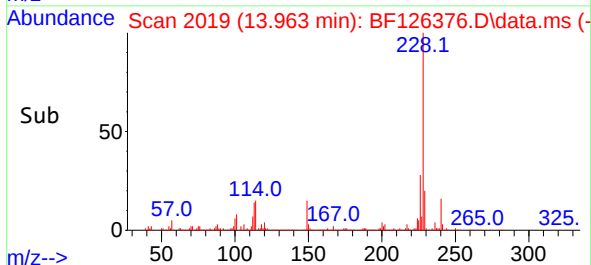
Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/31/2021

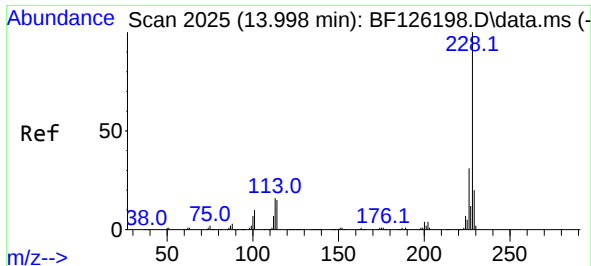


#81
 Benzo(a)anthracene
 Concen: 16.845 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF126376.D
 Acq: 28 Dec 2021 1:51



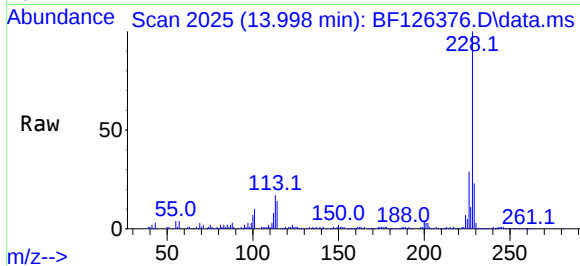
Tgt Ion:228 Resp: 200817
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.6 32.4
 229 20.6 15.6 23.4





#83
Chrysene
Concen: 12.284 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

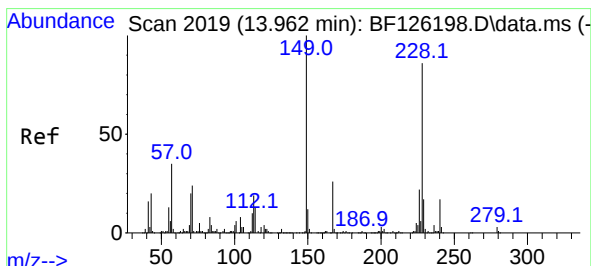
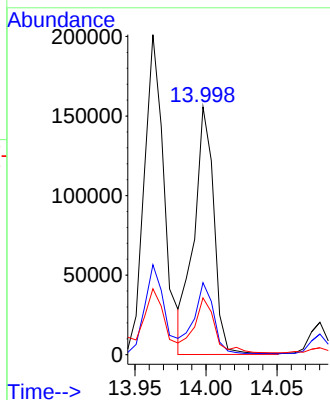
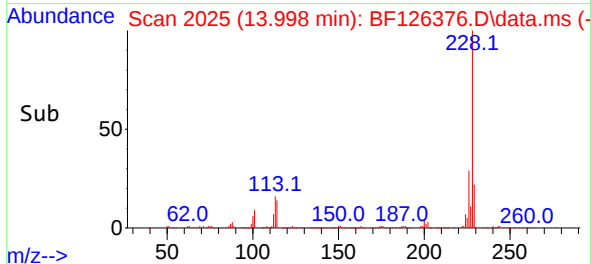
Instrument : BNA_F
ClientSampleId : TP-(0-3.5)-12-21-2021DL



Tgt Ion:228 Resp: 152150
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 23.0 15.9 23.9

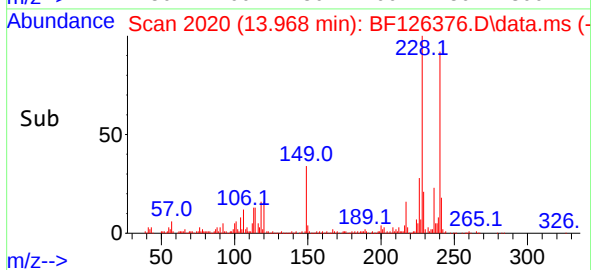
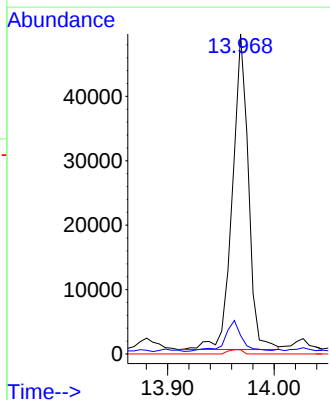
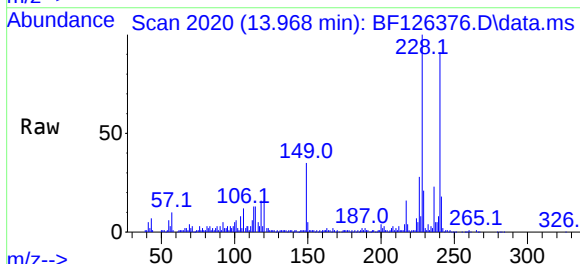
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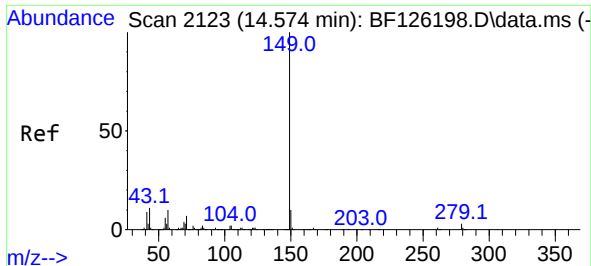
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.237 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

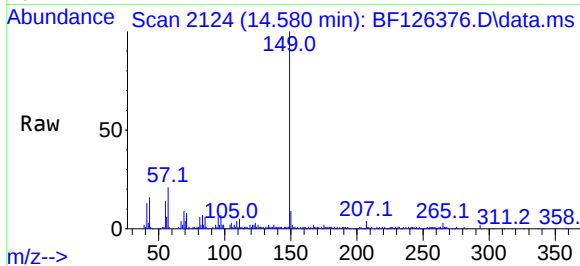
Tgt Ion:149 Resp: 50917
Ion Ratio Lower Upper
149 100
167 5.7 21.4 32.0#
279 1.3 2.6 4.0#





#85
Di-n-octyl phthalate
Concen: 5.336 ng
RT: 14.580 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

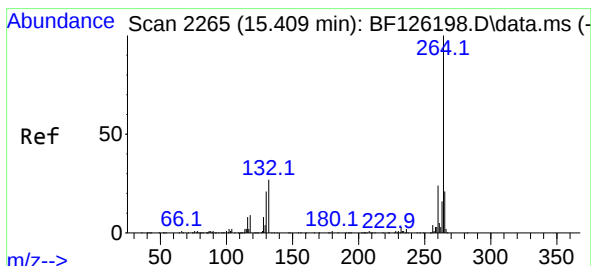
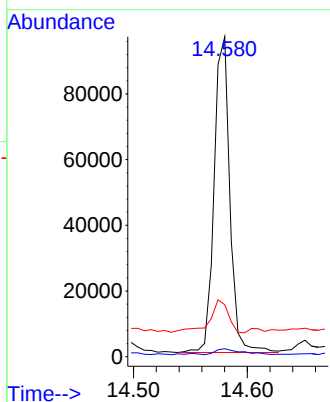
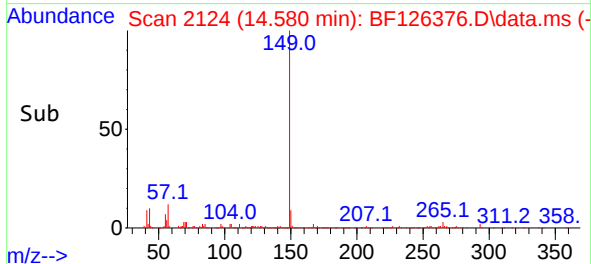
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL



Tgt Ion:149 Resp: 9248
Ion Ratio Lower Upper
149 100
167 3.2 1.0 1.6
43 12.3 9.9 14.9

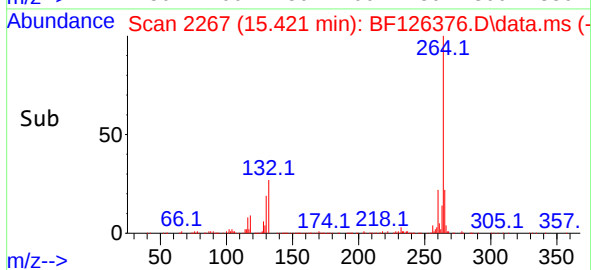
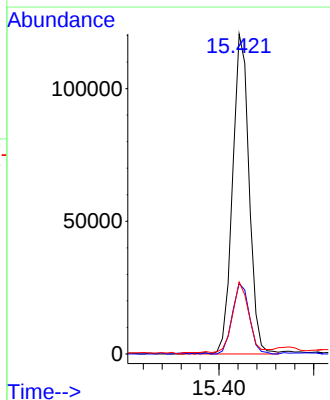
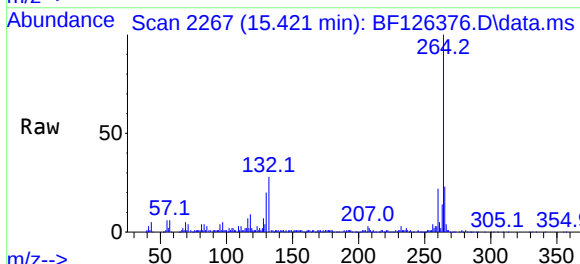
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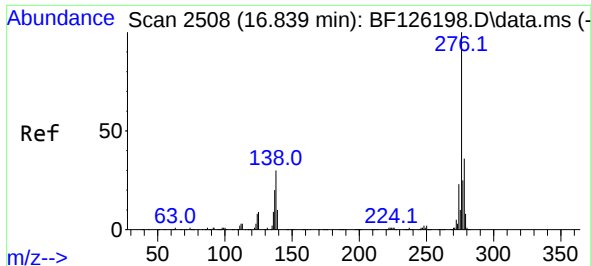
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

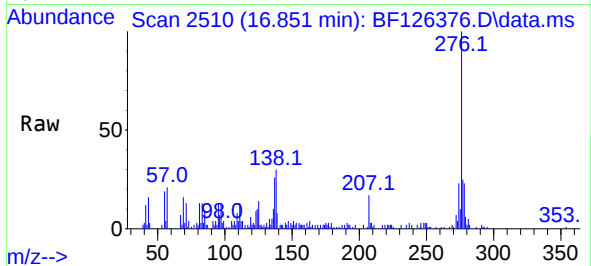
Tgt Ion:264 Resp: 146024
Ion Ratio Lower Upper
264 100
260 22.0 19.6 29.4
265 22.5 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.128 ng
RT: 16.851 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

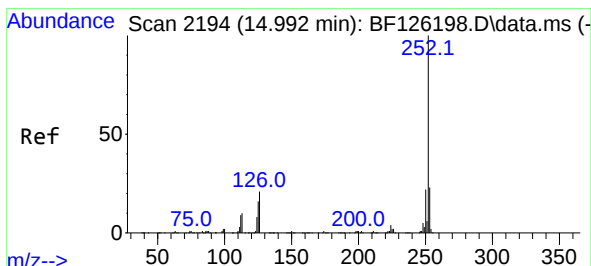
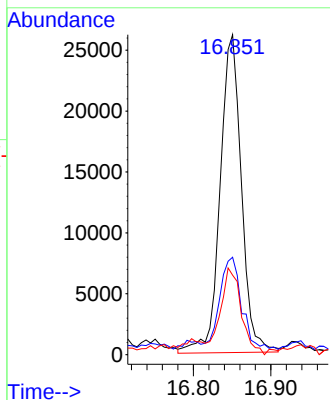
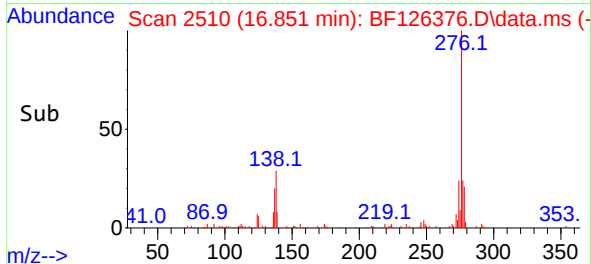
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL



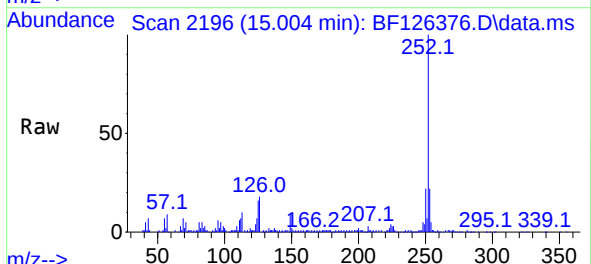
Tgt Ion:276 Resp: 49949
Ion Ratio Lower Upper
276 100
138 29.6 24.1 36.1
277 26.6 18.8 28.2

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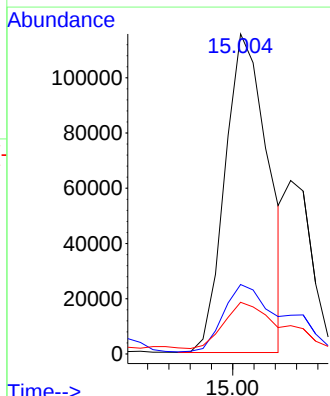
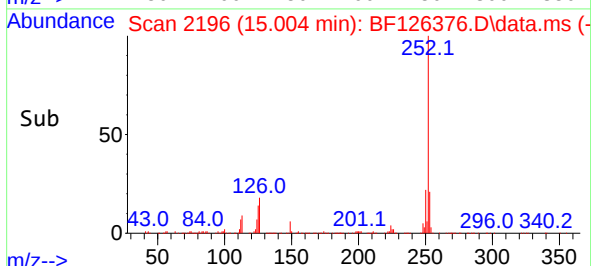
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

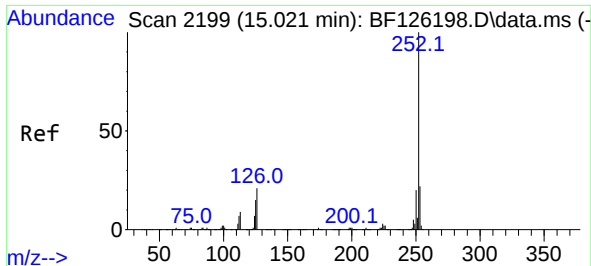


#88
Benzo(b)fluoranthene
Concen: 18.475 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51



Tgt Ion:252 Resp: 162095
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 16.1 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 6.472 ng m

RT: 15.027 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

Instrument :

BNA_F

ClientSampleId :

TP-(0-3.5)-12-21-2021DL

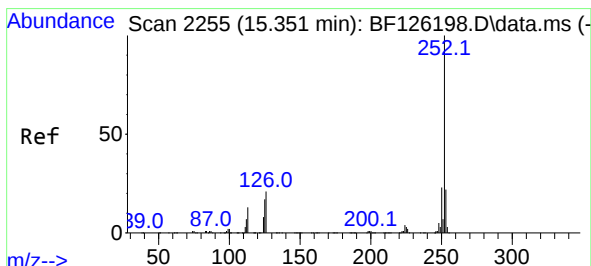
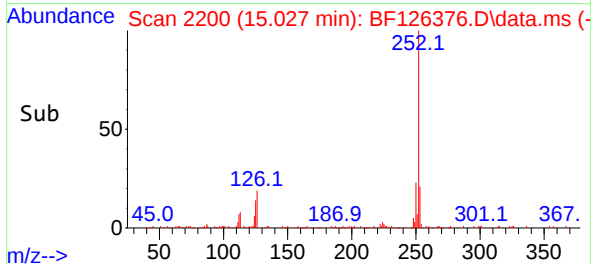
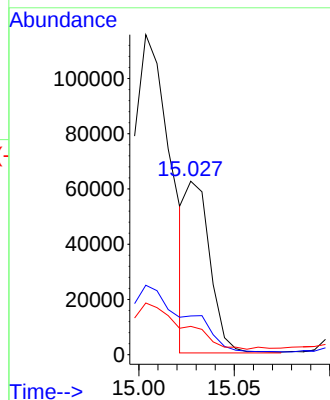
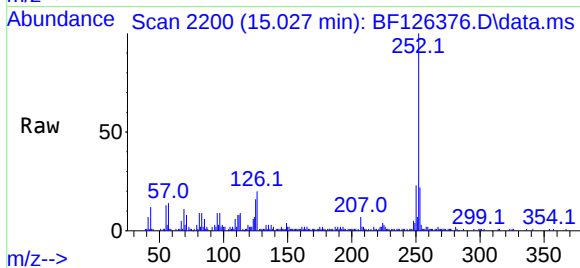
Tgt Ion:252 Resp: 54318

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	16.3	7.2	10.8

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



#90

Benzo(a)pyrene

Concen: 14.225 ng

RT: 15.362 min Scan# 2257

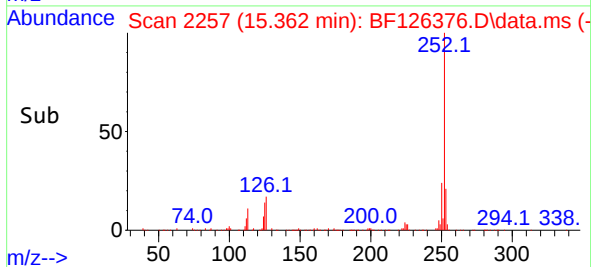
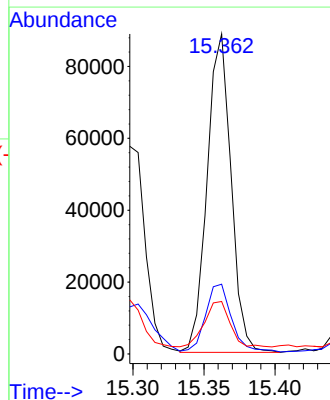
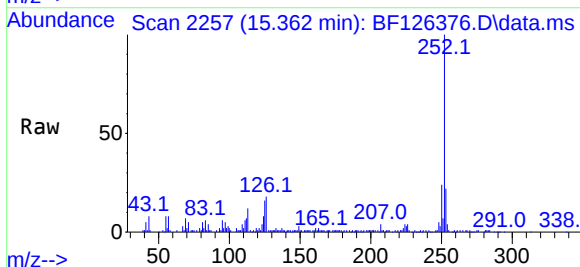
Delta R.T. 0.000 min

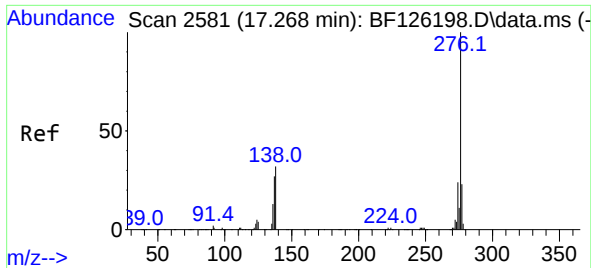
Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

Tgt Ion:252 Resp: 103729

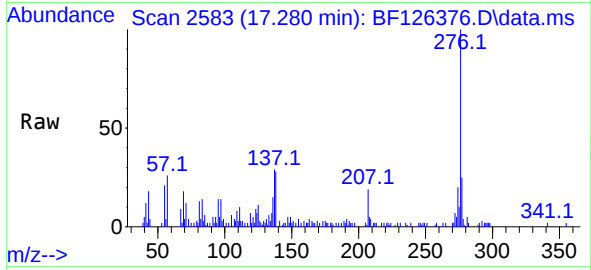
Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	16.4	9.9	14.9





#92
Benzo(g,h,i)perylene
Concen: 5.714 ng
RT: 17.280 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Instrument : BNA_F
ClientSampleId : TP-(0-3.5)-12-21-2021DL



Tgt Ion: 276 Resp: 46810

Ion	Ratio	Lower	Upper
276	100		
277	24.9	22.0	33.0
138	28.4	22.2	33.4

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

