

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
 Data File : BF126353.D
 Acq On : 23 Dec 2021 19:49
 Operator : JU/CG
 Sample : M5191-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-(3.5-7.0)-12-21-2021

Quant Time: Dec 27 06:51:59 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 12/27/2021
 Supervised By :mohammad ahmed 12/31/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	101053	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	353978	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	155795	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	275351	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	244045	20.000	ng	0.00
86) Perylene-d12	15.433	264	183197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	622575	90.728	ng	0.00
7) Phenol-d6	6.439	99	775433	88.997	ng	0.00
23) Nitrobenzene-d5	7.375	82	468660	71.706	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	102862	82.156	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	630464	70.975	ng	0.00
79) Terphenyl-d14	12.927	244	681145	48.512	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	103312	7.269	ng	98
75) Fluoranthene	12.551	202	270599	21.133	ng	93
78) Pyrene	12.780	202	263406	11.748	ng	99
81) Benzo(a)anthracene	13.968	228	117594m	8.135	ng	
83) Chrysene	14.004	228	117223m	7.805	ng	
87) Indeno(1,2,3-cd)pyrene	16.862	276	41133	3.366	ng	95
88) Benzo(b)fluoranthene	15.009	252	120581m	10.954	ng	
89) Benzo(k)fluoranthene	15.033	252	40873m	3.882	ng	
90) Benzo(a)pyrene	15.368	252	80398	8.788	ng	# 91
92) Benzo(g,h,i)perylene	17.298	276	44787	4.358	ng	# 89

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

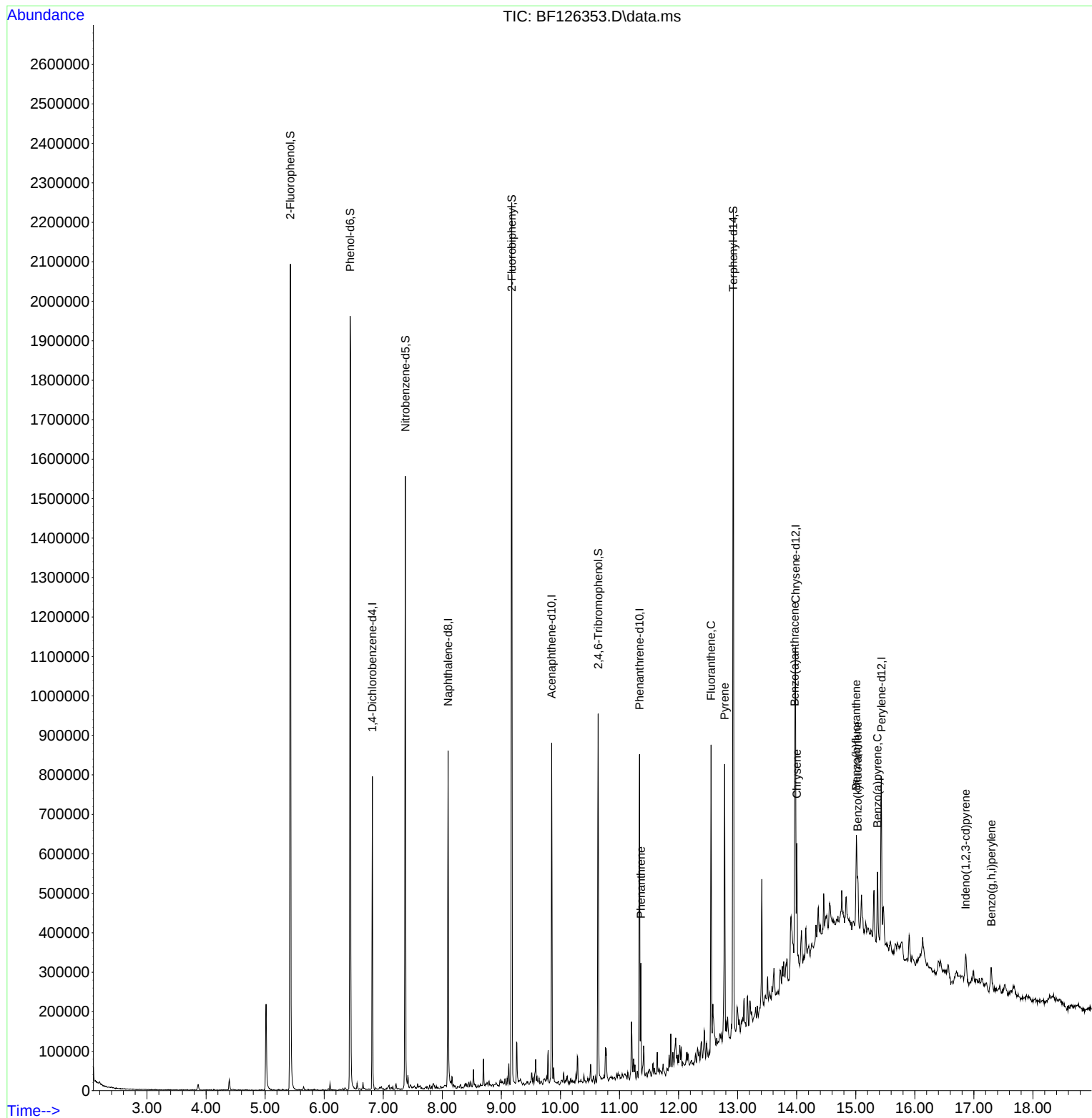
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126353.D
Acq On : 23 Dec 2021 19:49
Operator : JU/CG
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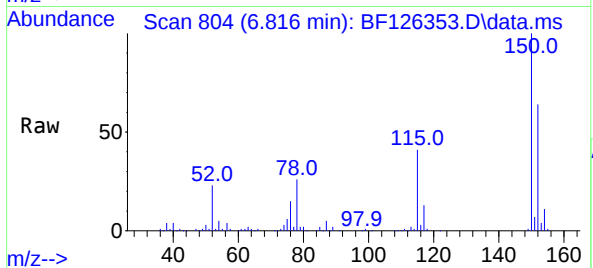
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

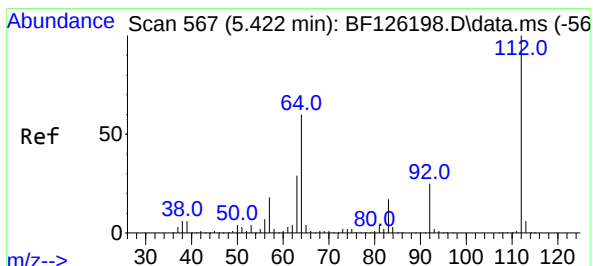
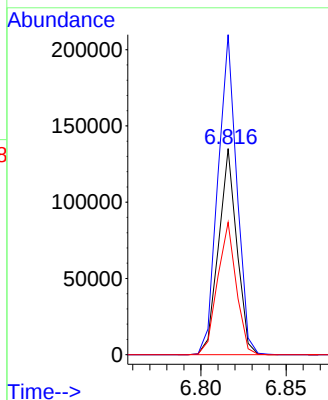
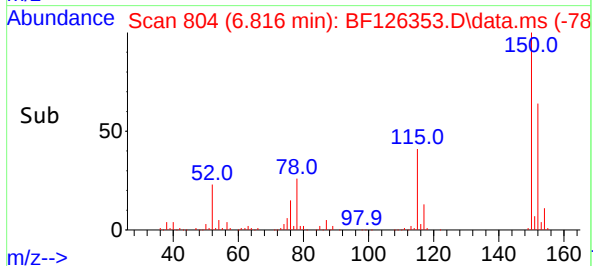
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021



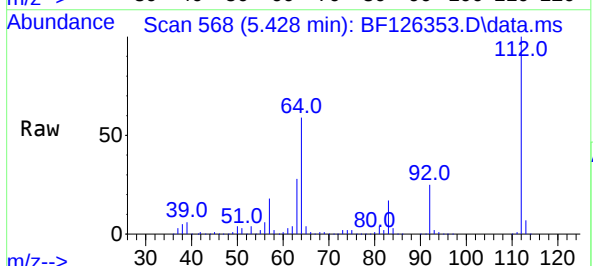
Tgt Ion:152 Resp: 101051
Ion Ratio Lower Upper
152 100
150 155.3 117.6 176.4
115 64.2 47.1 70.7

Manual Integrations
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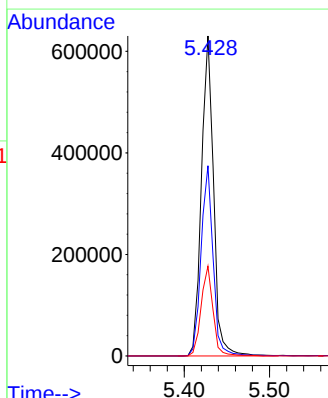
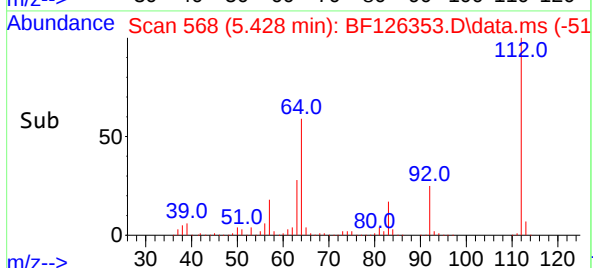
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021

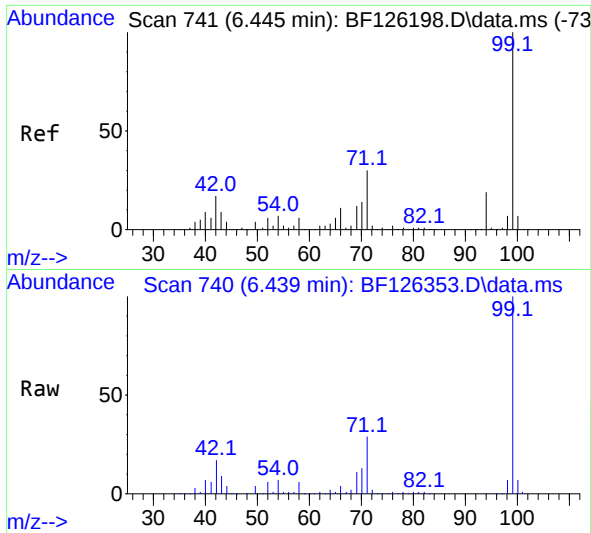


#5
2-Fluorophenol
Concen: 90.728 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49



Tgt Ion:112 Resp: 622575
Ion Ratio Lower Upper
112 100
64 59.4 44.2 66.2
63 28.0 26.2 39.2





#7

Phenol-d6

Concen: 88.997 ng

RT: 6.439 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF126353.D

Acq: 23 Dec 2021 19:49

Instrument :

BNA_F

ClientSampleId :

TP-(3.5-7.0)-12-21-2021

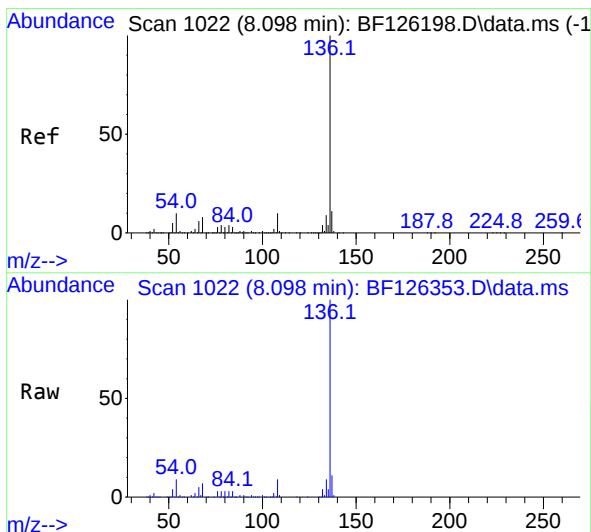
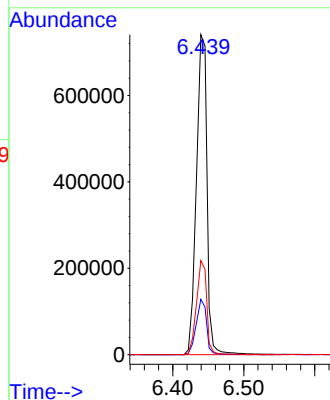
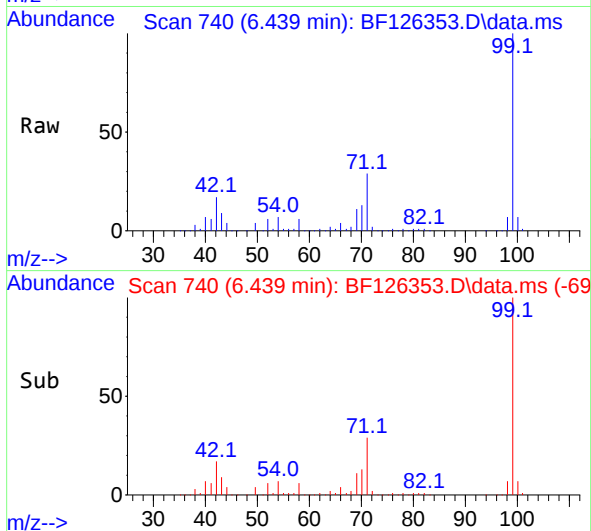
Tgt Ion: 99 Resp: 77543

Ion	Ratio	Lower	Upper
99	100		
42	17.3	23.5	35.3
71	29.4	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

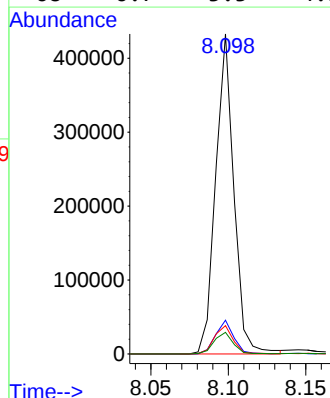
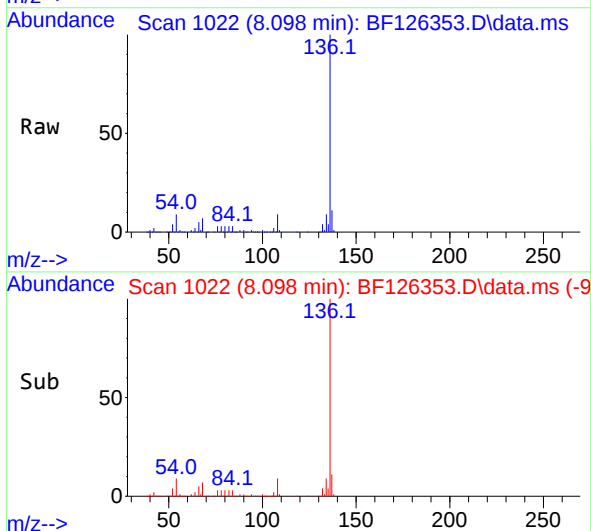
Delta R.T. -0.006 min

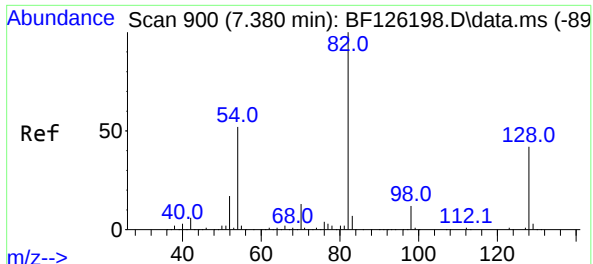
Lab File: BF126353.D

Acq: 23 Dec 2021 19:49

Tgt Ion:136 Resp: 353978

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	8.9	6.4	9.6
68	6.7	3.3	4.9





#23

Nitrobenzene-d5

Concen: 71.706 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126353.D

Acq: 23 Dec 2021 19:49

Instrument :

BNA_F

ClientSampleId :

TP-(3.5-7.0)-12-21-2021

Tgt Ion: 82 Resp: 468660

Ion Ratio Lower Upper

82 100

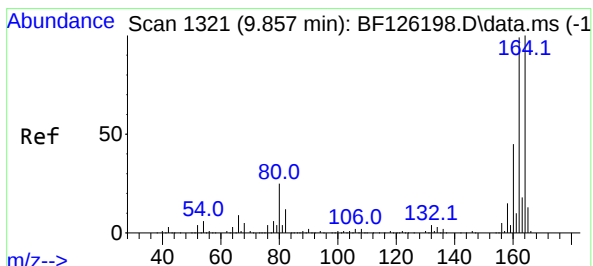
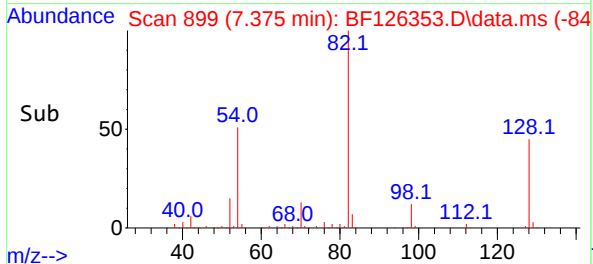
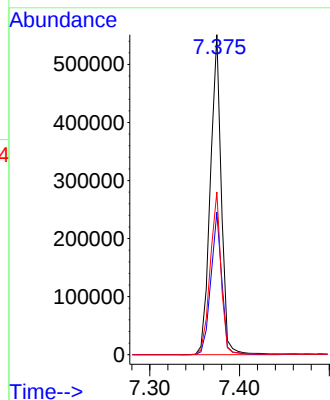
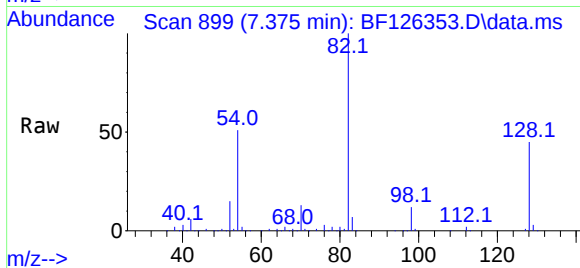
128 44.5 40.6 60.8

54 50.9 49.6 74.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF126353.D

Acq: 23 Dec 2021 19:49

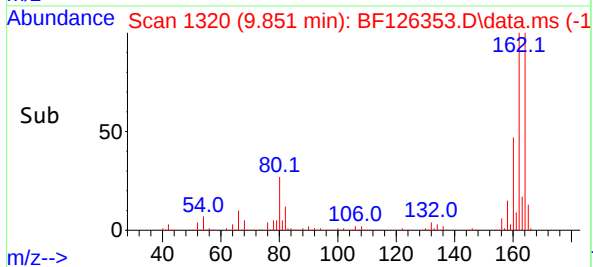
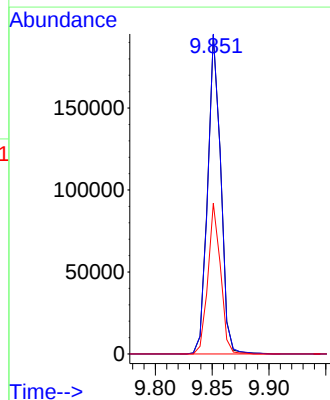
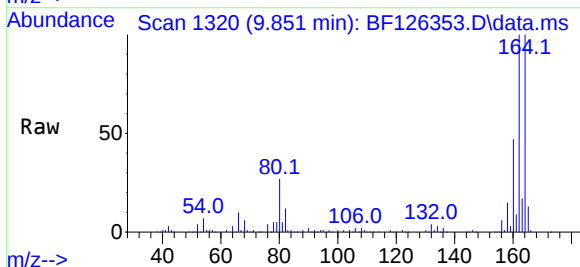
Tgt Ion:164 Resp: 155795

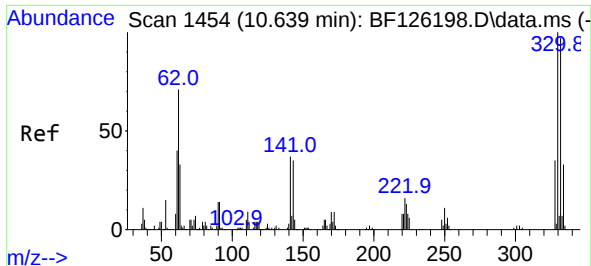
Ion Ratio Lower Upper

164 100

162 100.3 81.3 121.9

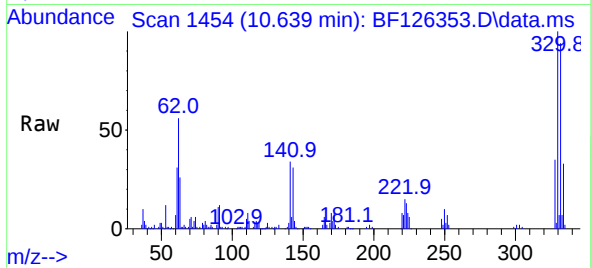
160 47.2 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 82.156 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

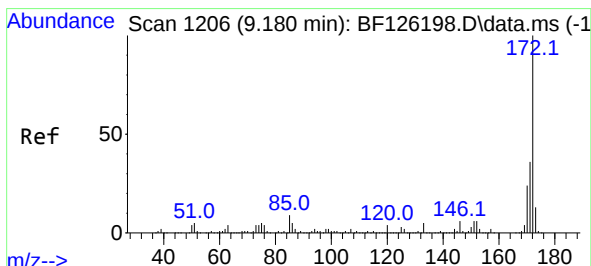
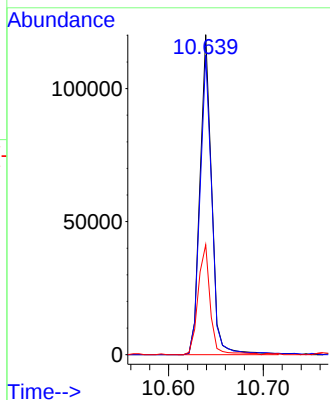
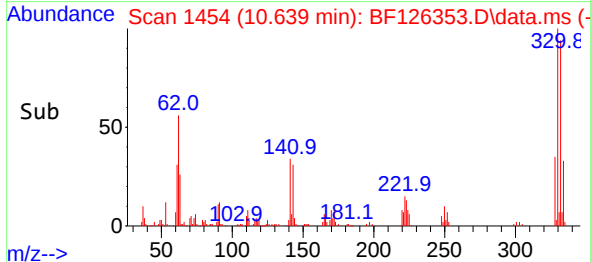
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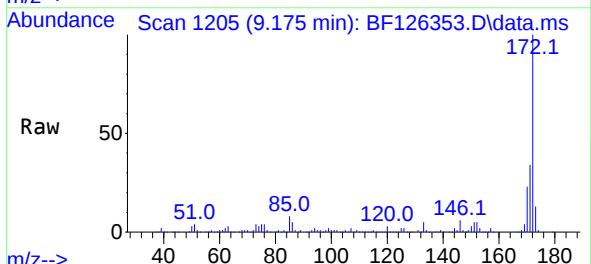
Tgt Ion:330 Resp: 102862
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 35.7 44.6 66.8

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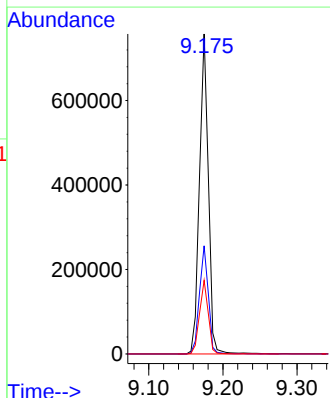
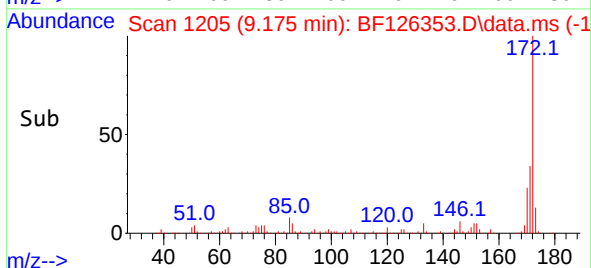
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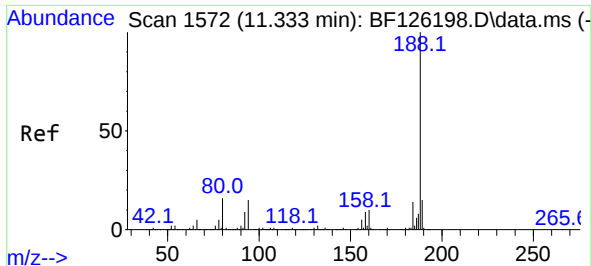


#45
2-Fluorobiphenyl
Concen: 70.975 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49



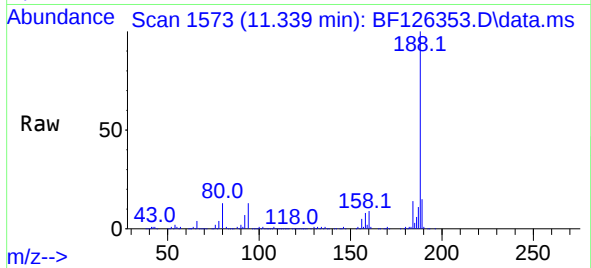
Tgt Ion:172 Resp: 630464
Ion Ratio Lower Upper
172 100
171 33.8 26.5 39.7
170 23.0 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

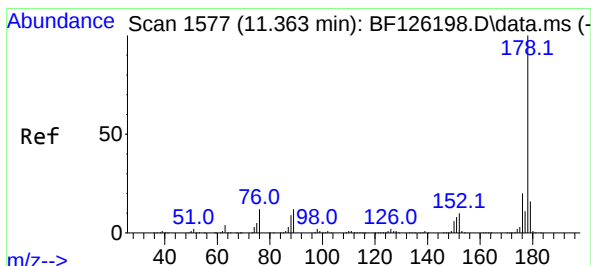
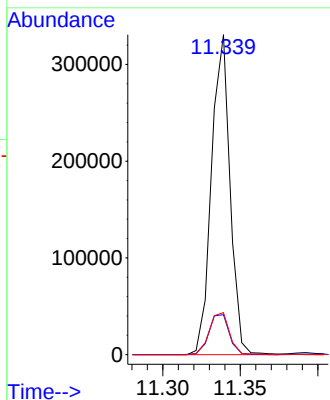
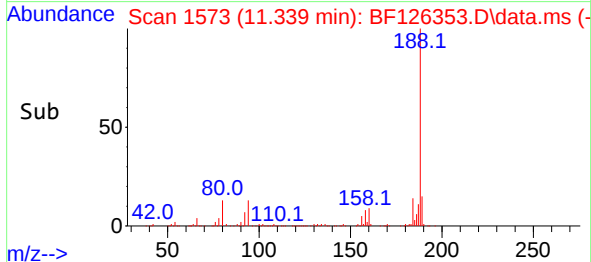
Instrument :
BNA_F
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TP-(3.5-7.0)-12-21-2021



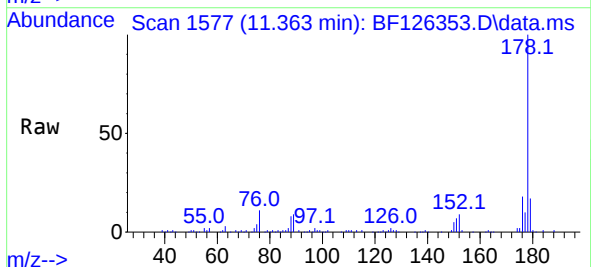
Tgt Ion:188 Resp: 27535
Ion Ratio Lower Upper
188 100
94 12.5 6.7 10.1
80 13.2 7.5 11.3

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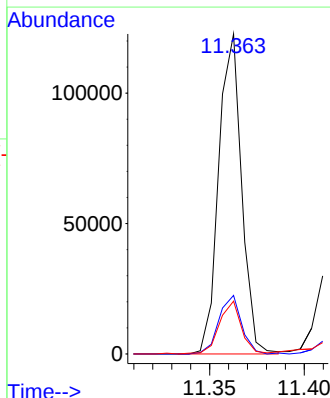
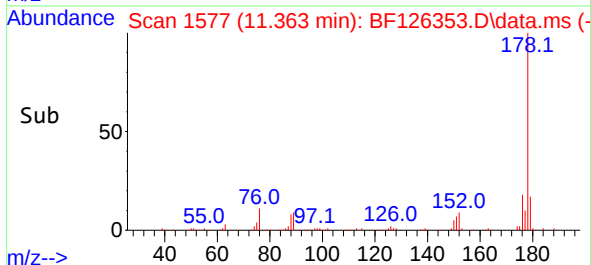
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021

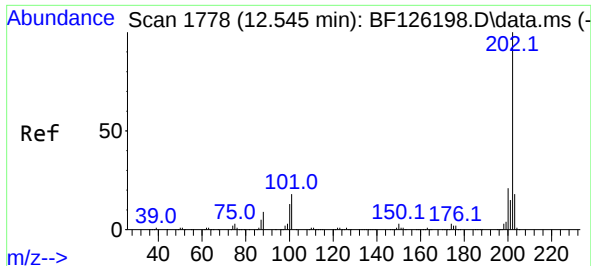


#71
Phenanthrene
Concen: 7.269 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49



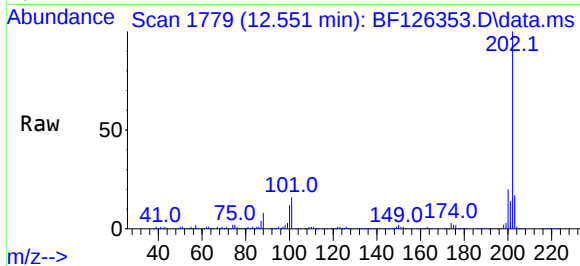
Tgt Ion:178 Resp: 103312
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 16.5 11.5 17.3





#75
Fluoranthene
Concen: 21.133 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

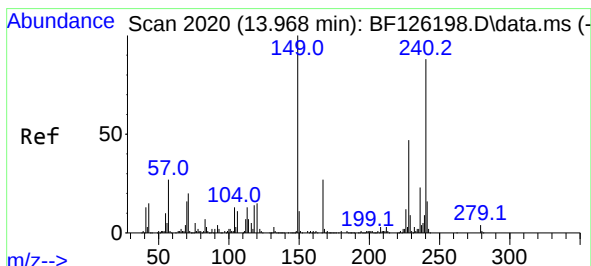
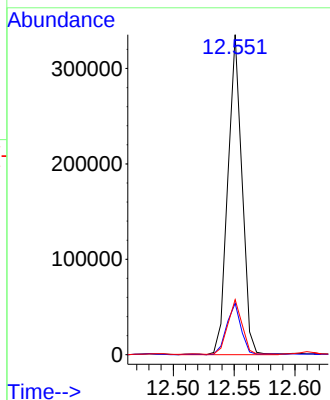
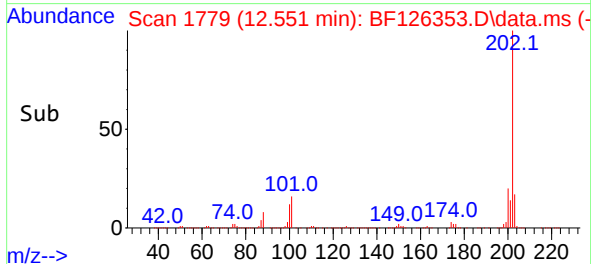
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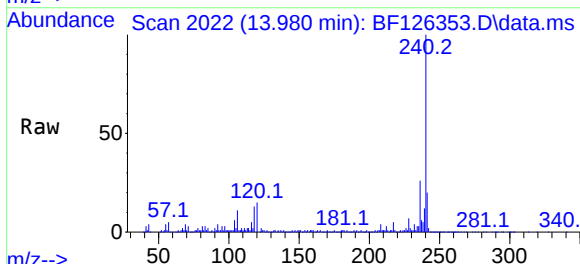
Tgt Ion:202 Resp: 270599
Ion Ratio Lower Upper
202 100
101 16.0 0.0 30.7
203 17.2 0.0 36.3

Manual Integrations
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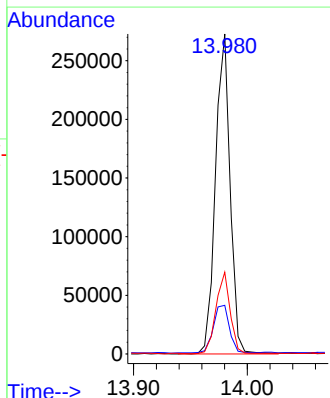
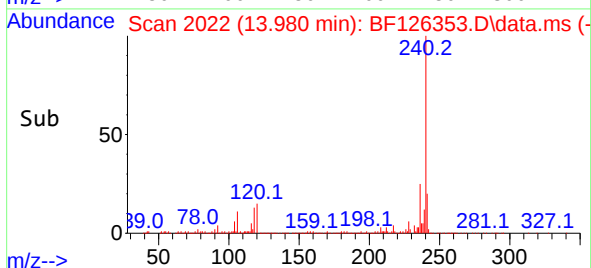
Reviewed By :Jagrut Upadhyay 12/27/2021
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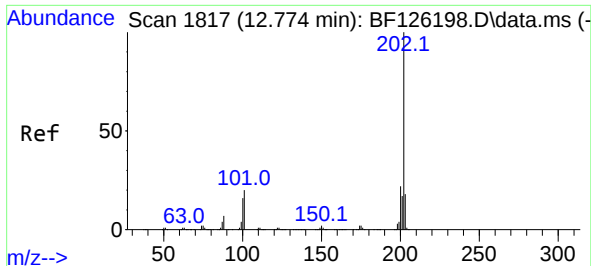


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49



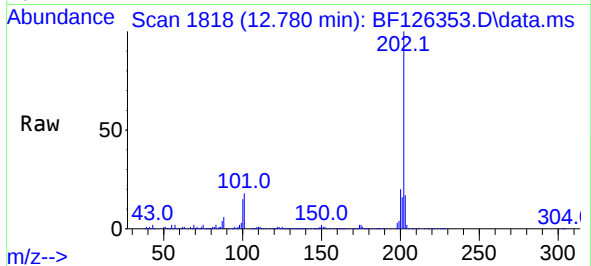
Tgt Ion:240 Resp: 244045
Ion Ratio Lower Upper
240 100
120 15.2 10.8 16.2
236 25.6 21.6 32.4





#78
Pyrene
Concen: 11.748 ng
RT: 12.780 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

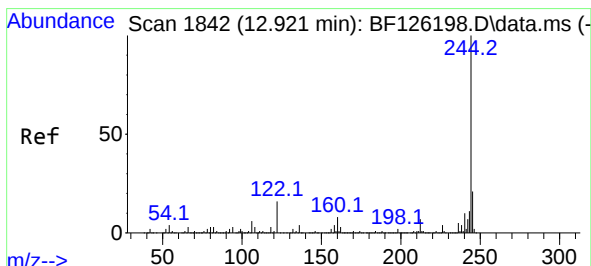
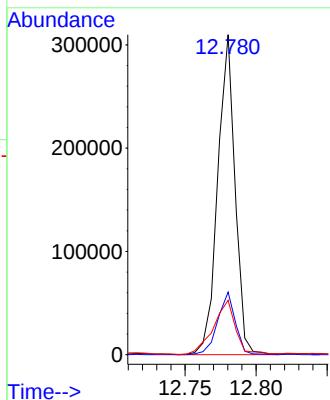
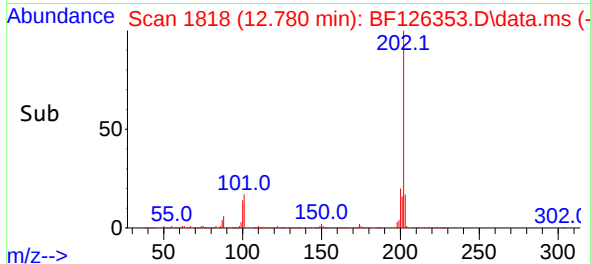
Instrument :
BNA_F
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TP-(3.5-7.0)-12-21-2021



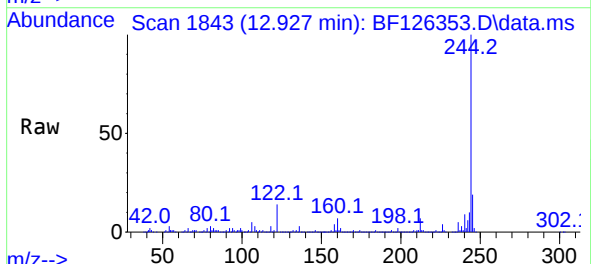
Tgt Ion:202 Resp: 263400
Ion Ratio Lower Upper
202 100
200 19.5 15.3 22.9
203 17.0 13.4 20.0

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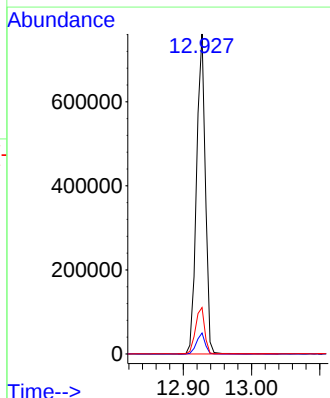
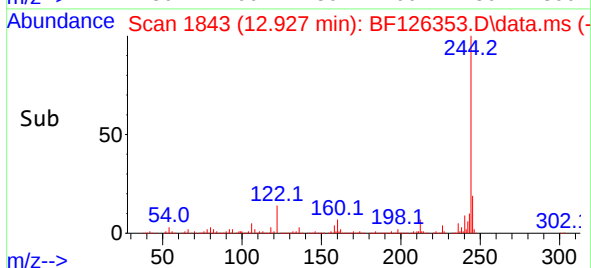
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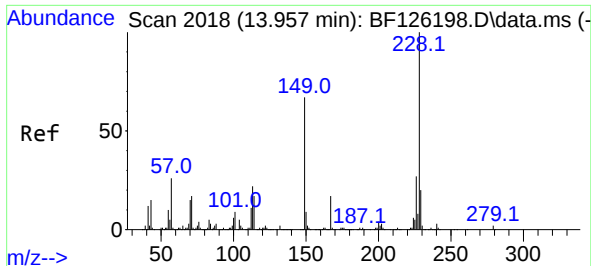


#79
Terphenyl-d14
Concen: 48.512 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49



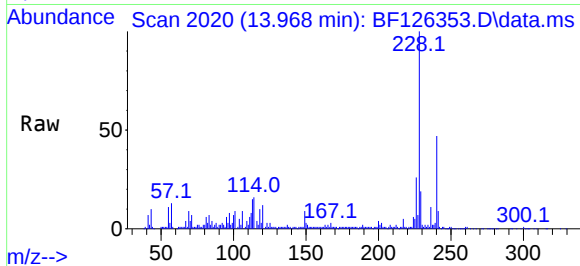
Tgt Ion:244 Resp: 681145
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 14.5 9.0 13.4





#81
Benzo(a)anthracene
Concen: 8.135 ng m
RT: 13.968 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

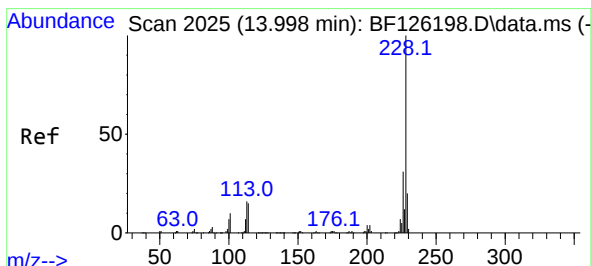
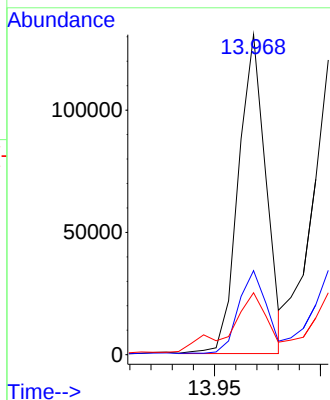
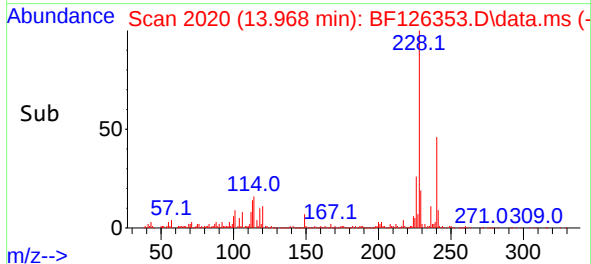
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021



Tgt Ion:228 Resp: 117594
Ion Ratio Lower Upper
228 100
226 26.3 21.6 32.4
229 19.4 15.6 23.4

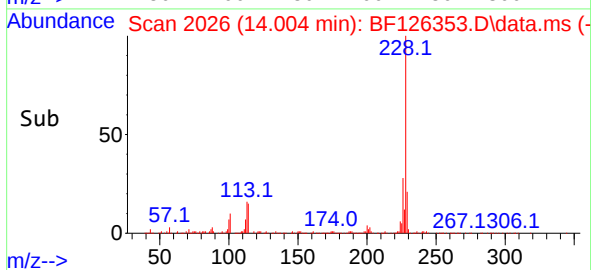
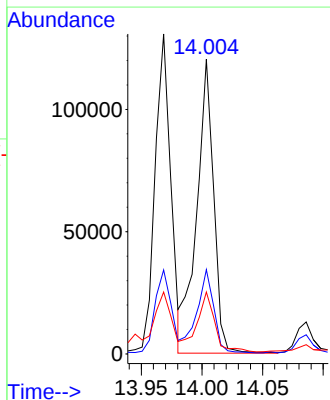
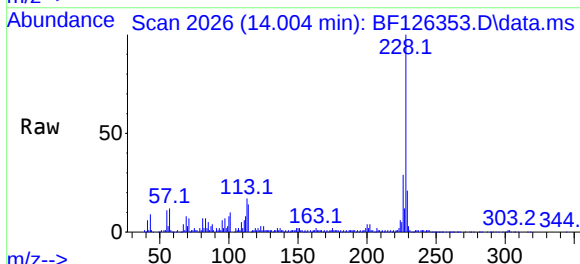
Manual Integrations
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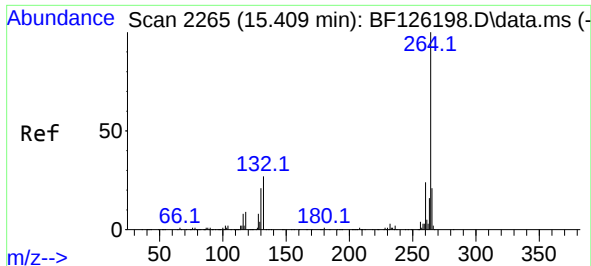
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#83
Chrysene
Concen: 7.805 ng m
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

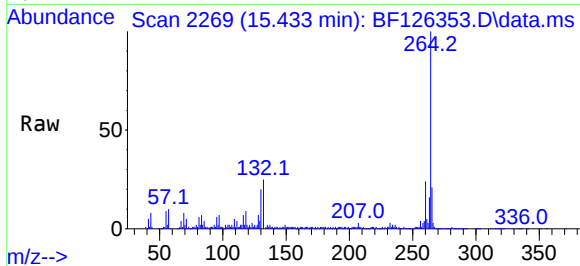
Tgt Ion:228 Resp: 117223
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 21.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

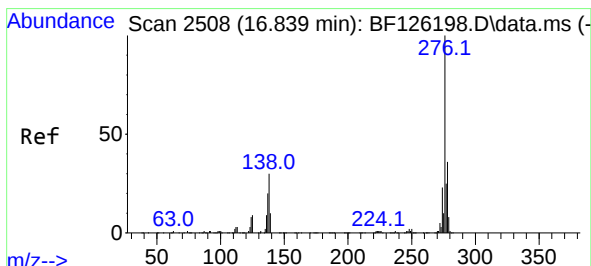
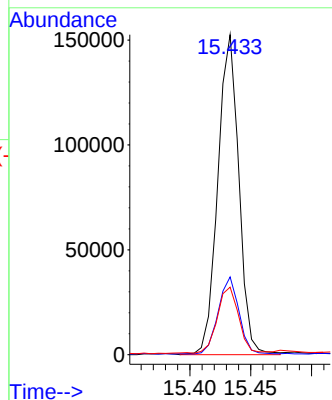
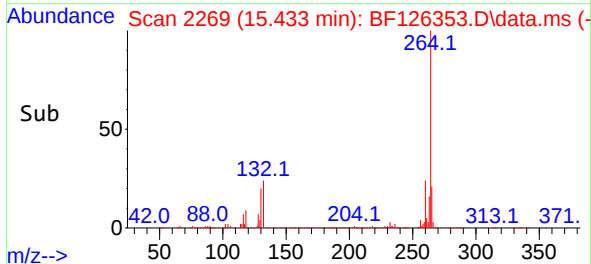
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021



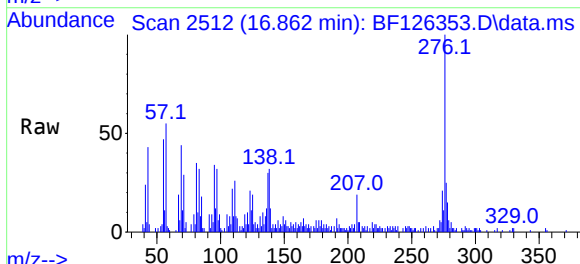
Tgt Ion:264 Resp: 18319
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 21.1 17.2 25.8

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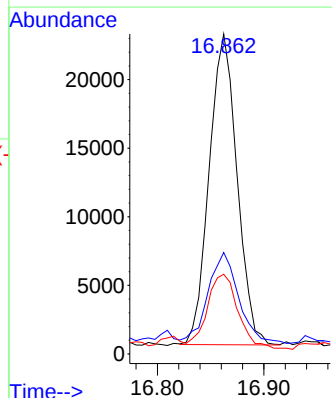
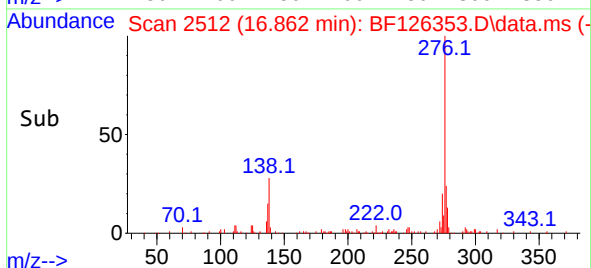
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021

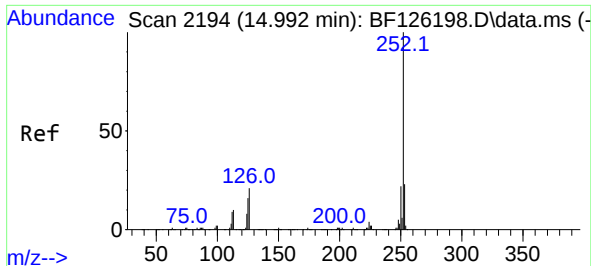


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.366 ng
RT: 16.862 min Scan# 2512
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49



Tgt Ion:276 Resp: 41133
Ion Ratio Lower Upper
276 100
138 32.1 24.1 36.1
277 26.9 18.8 28.2





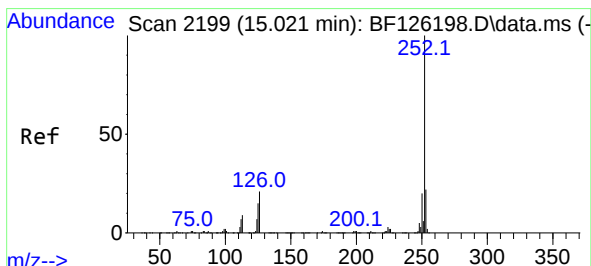
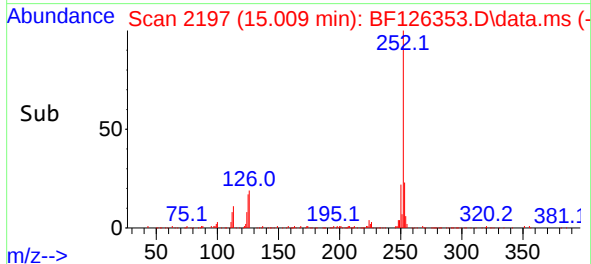
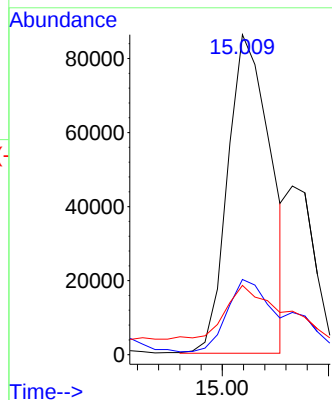
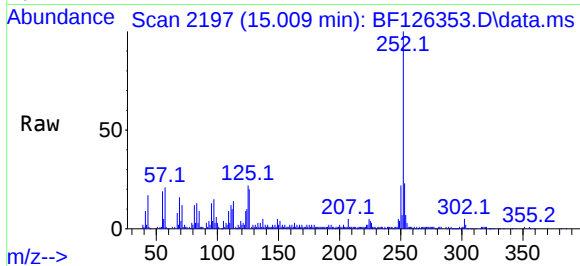
#88
Benzo(b)fluoranthene
Concen: 10.954 ng m
RT: 15.009 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021

Tgt Ion:252 Resp: 12058
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 21.7 9.8 14.8

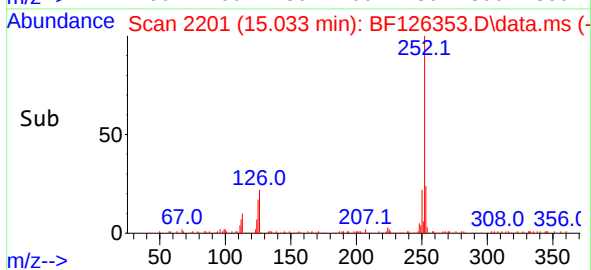
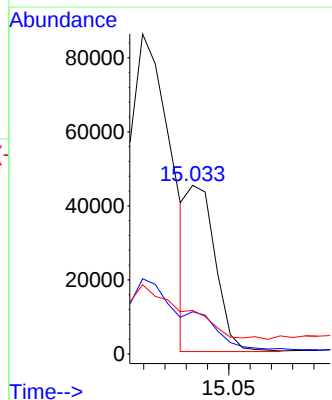
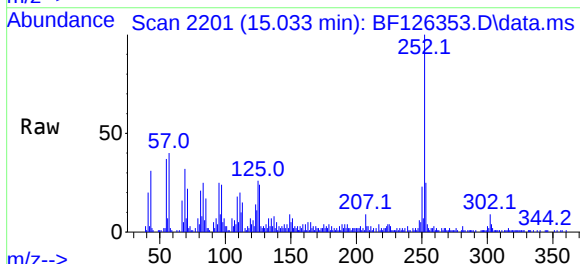
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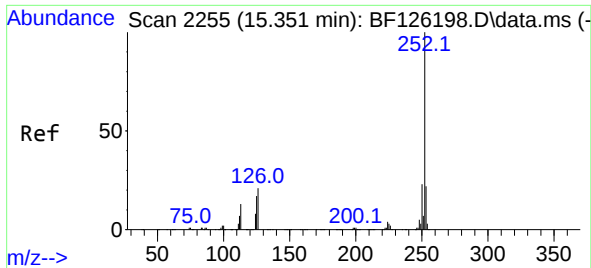
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#89
Benzo(k)fluoranthene
Concen: 3.882 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

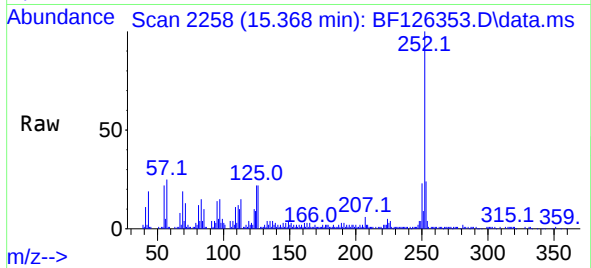
Tgt Ion:252 Resp: 40873
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 25.8 7.2 10.8





#90
Benzo(a)pyrene
Concen: 8.788 ng
RT: 15.368 min Scan# 2258
Delta R.T. 0.006 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

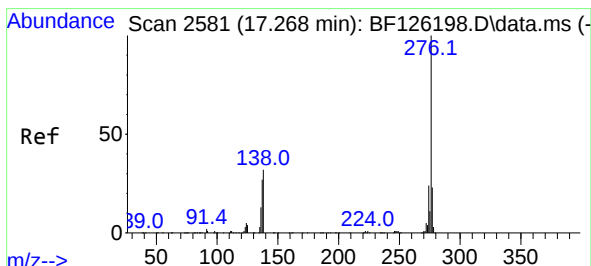
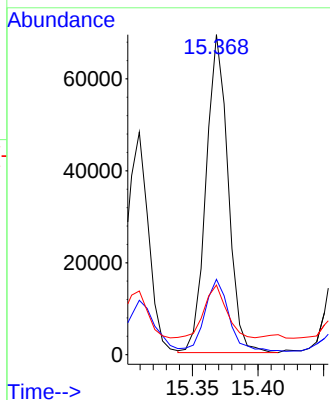
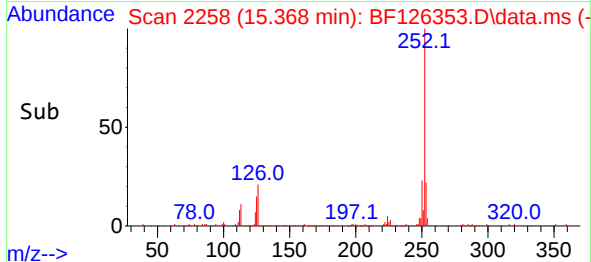
Instrument :
BNA_F
ClientSampleId :
TP-(3.5-7.0)-12-21-2021



Tgt Ion:252 Resp: 80398
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 21.8 9.9 14.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#92
Benzo(g,h,i)perylene
Concen: 4.358 ng
RT: 17.298 min Scan# 2586
Delta R.T. 0.000 min
Lab File: BF126353.D
Acq: 23 Dec 2021 19:49

Tgt Ion:276 Resp: 44787
Ion Ratio Lower Upper
276 100
277 21.9 22.0 33.0#
138 34.1 22.2 33.4#

