

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
 Data File : BF126352.D
 Acq On : 23 Dec 2021 19:17
 Operator : JU/CG
 Sample : M5191-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Dec 27 06:51:48 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	92086	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	326808	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	141893	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	257511	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	204905	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	163038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	521562	83.409	ng	0.00
7) Phenol-d6	6.439	99	678863	85.501	ng	0.00
23) Nitrobenzene-d5	7.375	82	400728	66.409	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	91124	79.911	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	541293	66.907	ng	0.00
79) Terphenyl-d14	12.927	244	601441	51.018	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	40792	2.669	ng	95
49) Acenaphthylene	9.710	152	38949	3.229	ng	# 96
52) Acenaphthene	9.886	154	37742	4.825	ng	99
55) Dibenzofuran	10.057	168	50409	4.733	ng	93
58) Fluorene	10.398	166	87135	11.302	ng	97
71) Phenanthrene	11.368	178	890495	67.000	ng	98
72) Anthracene	11.416	178	260271	19.510	ng	99
73) Carbazole	11.568	167	86866	6.914	ng	98
75) Fluoranthene	12.557	202	988620	82.558	ng	93
78) Pyrene	12.786	202	817026	43.401	ng	97
81) Benzo(a)anthracene	13.974	228	406661	33.505	ng	99
83) Chrysene	14.009	228	327660	25.983	ng	97
84) Bis(2-ethylhexyl)phtha...	13.974	149	114298	11.546	ng	# 65
85) Di-n-octyl phthalate	14.586	149	211609	11.991	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.868	276	119973	11.032	ng	99
88) Benzo(b)fluoranthene	15.015	252	371126m	37.885	ng	
89) Benzo(k)fluoranthene	15.039	252	103762m	11.072	ng	
90) Benzo(a)pyrene	15.374	252	233843	28.721	ng	# 95
91) Dibenzo(a,h)anthracene	16.880	278	32476	3.674	ng	# 78
92) Benzo(g,h,i)perylene	17.298	276	104381	11.412	ng	94

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

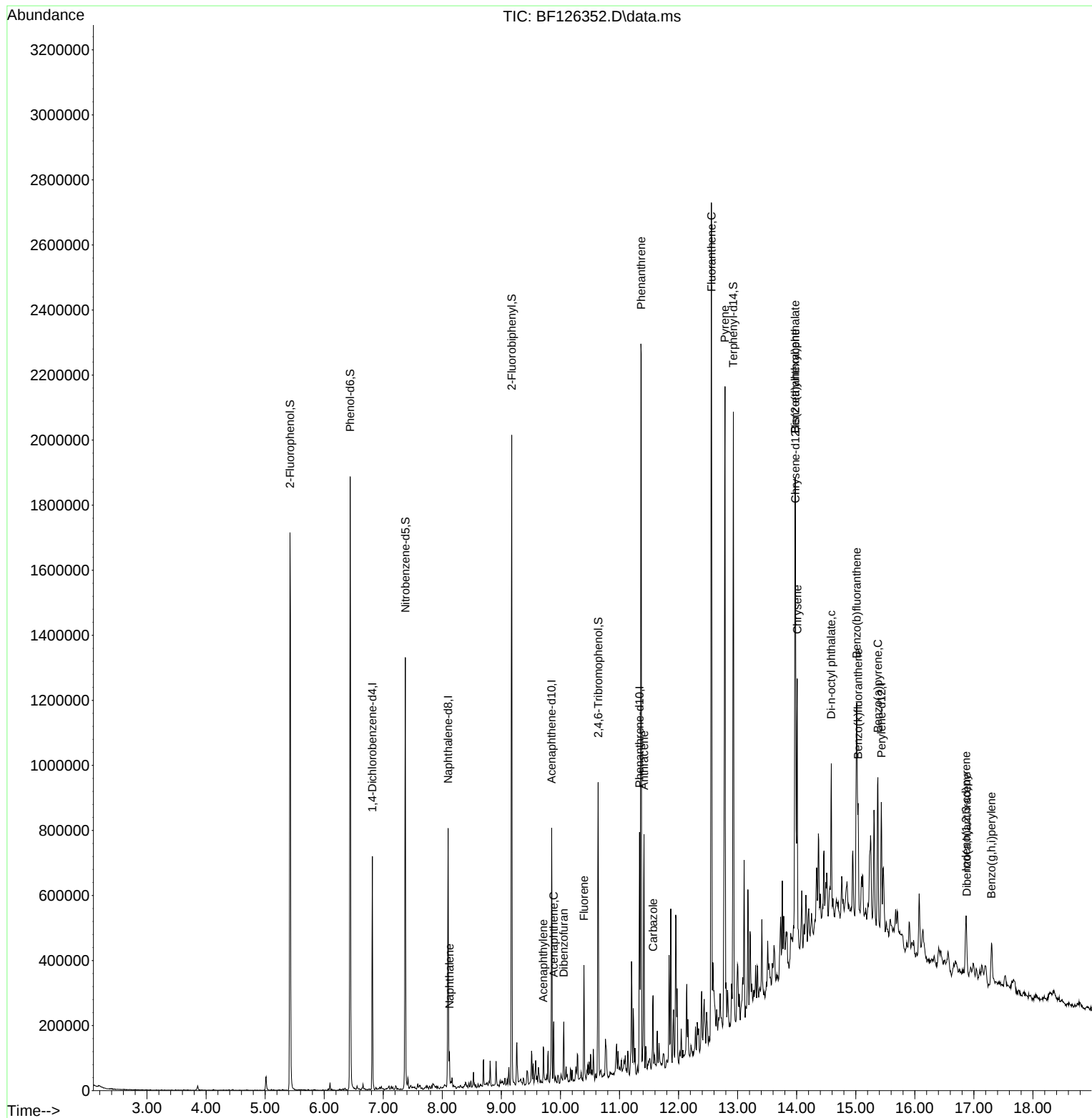
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122321\
Data File : BF126352.D
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Operator : JU/CG
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ALS Vial : 15 Sample Multiplier: 1

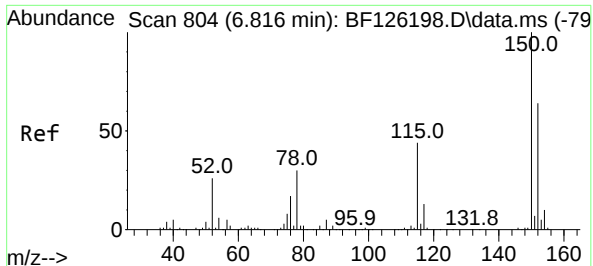
Instrument :
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ClientSampleId :
TP-(0-3.5)-12-21-2021

Quant Time: Dec 27 06:51:48 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
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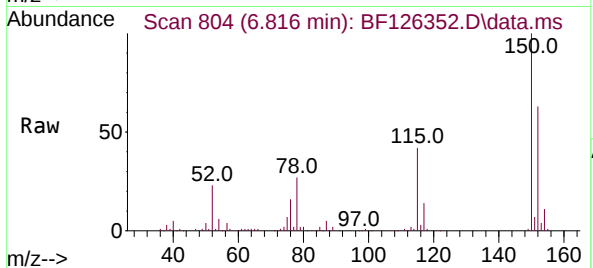
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

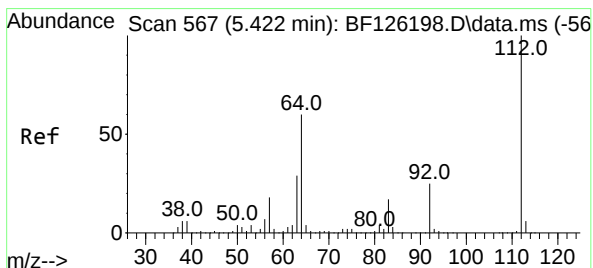
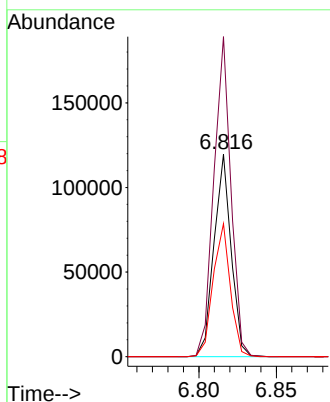
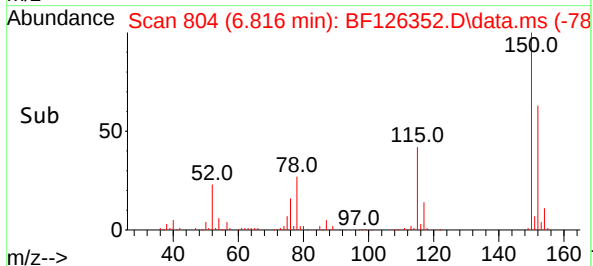
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:152 Resp: 92080
Ion Ratio Lower Upper
152 100
150 158.1 117.6 176.4
115 65.7 47.1 70.7

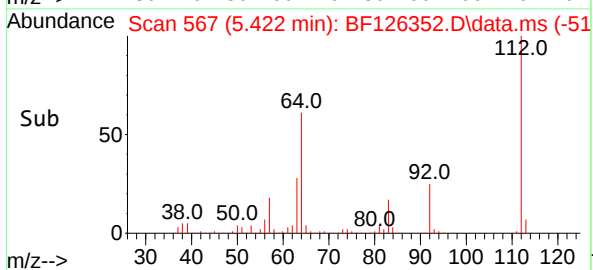
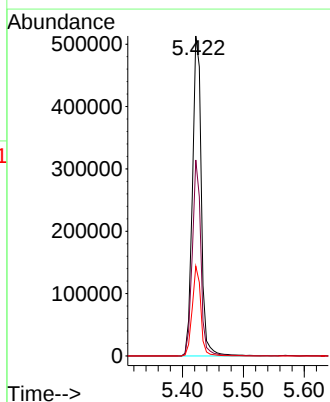
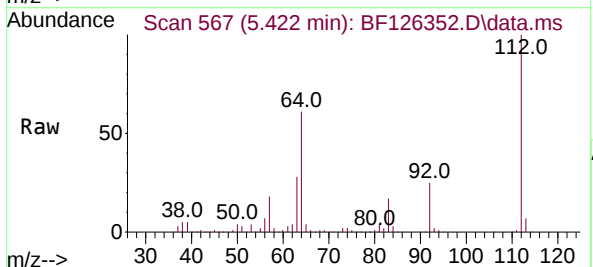
Manual Integrations
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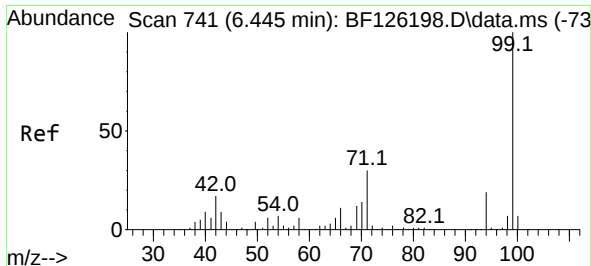
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#5
2-Fluorophenol
Concen: 83.409 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

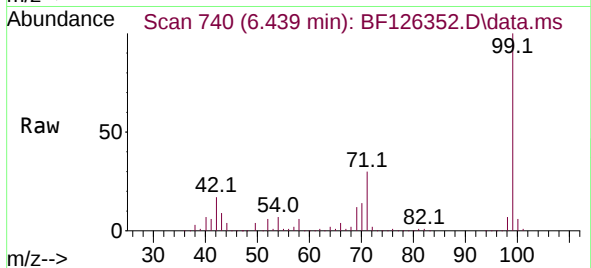
Tgt Ion:112 Resp: 521562
Ion Ratio Lower Upper
112 100
64 61.3 44.2 66.2
63 28.0 26.2 39.2





#7
Phenol-d6
Concen: 85.501 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

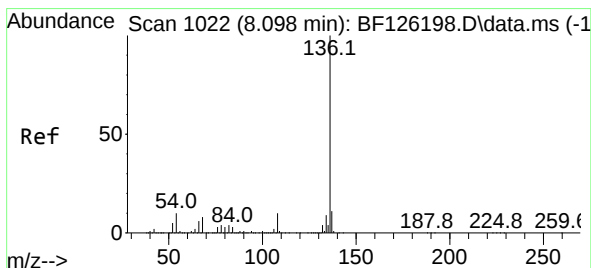
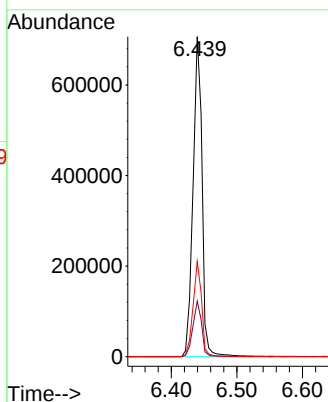
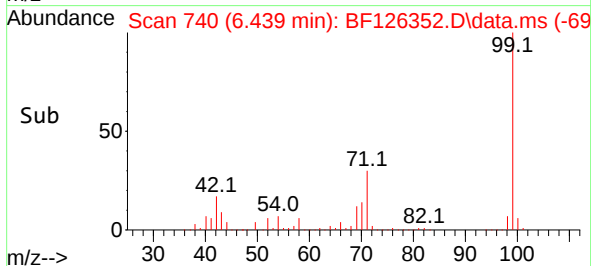
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



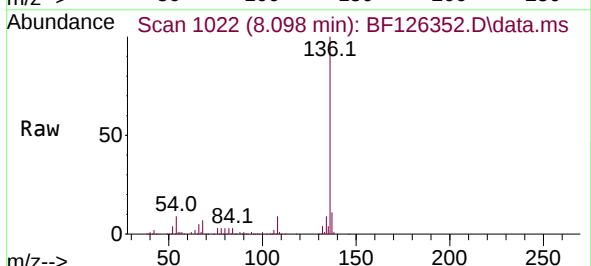
Tgt Ion: 99 Resp: 67886
Ion Ratio Lower Upper
99 100
42 17.4 23.5 35.3
71 29.8 25.6 38.4

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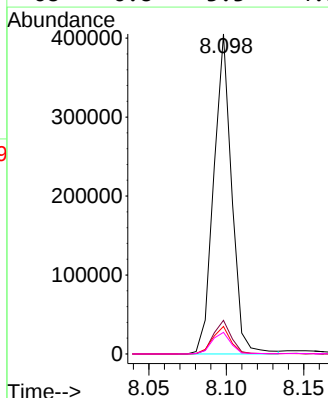
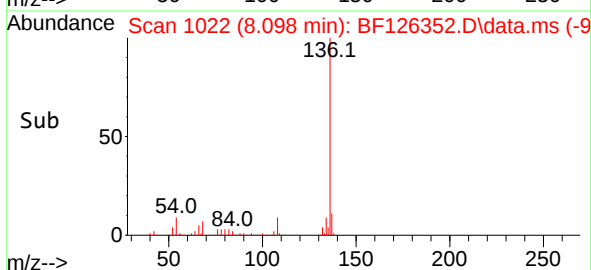
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021

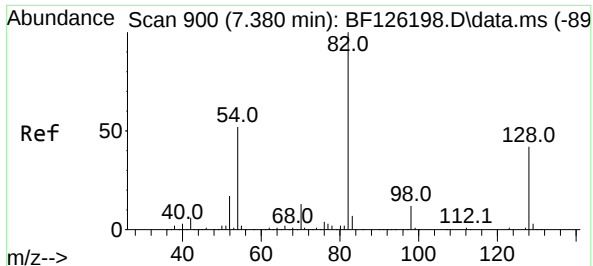


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17



Tgt Ion:136 Resp: 326808
Ion Ratio Lower Upper
136 100
137 10.5 9.8 14.6
54 8.6 6.4 9.6
68 6.8 3.3 4.9





#23

Nitrobenzene-d5

Concen: 66.409 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126352.D

Acq: 23 Dec 2021 19:17

Instrument :

BNA_F

ClientSampleId :

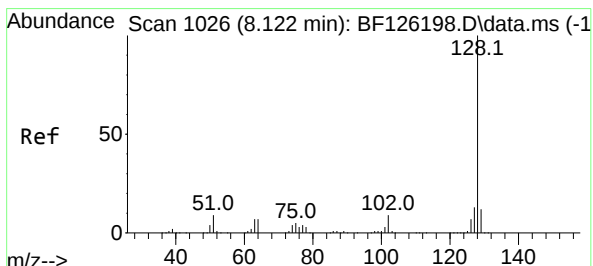
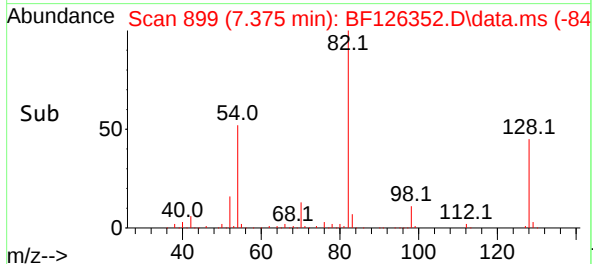
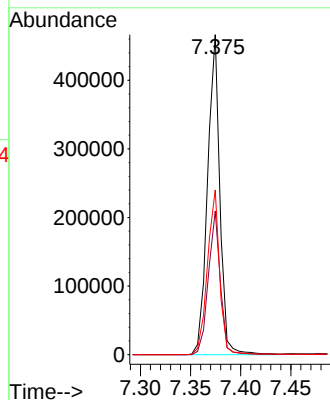
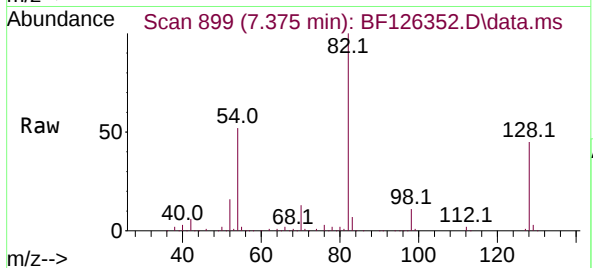
TP-(0-3.5)-12-21-2021

Tgt Ion: 82 Resp: 400728
 Ion Ratio Lower Upper
 82 100
 128 44.9 40.6 60.8
 54 51.5 49.6 74.4

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#31

Naphthalene

Concen: 2.669 ng

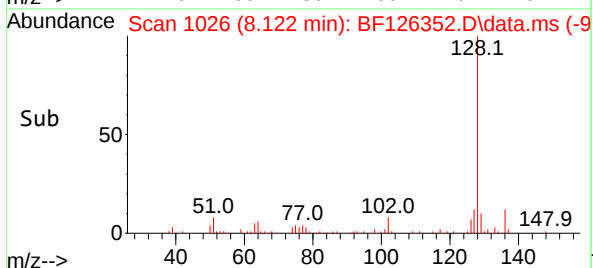
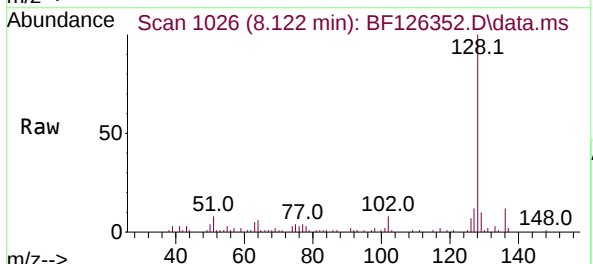
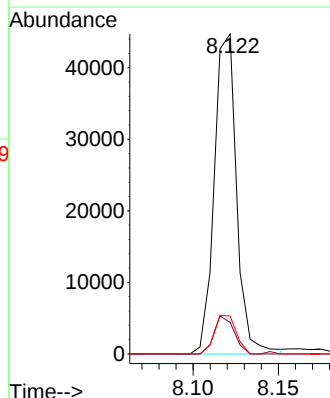
RT: 8.122 min Scan# 1026

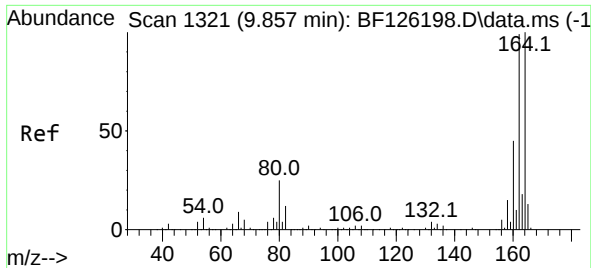
Delta R.T. -0.000 min

Lab File: BF126352.D

Acq: 23 Dec 2021 19:17

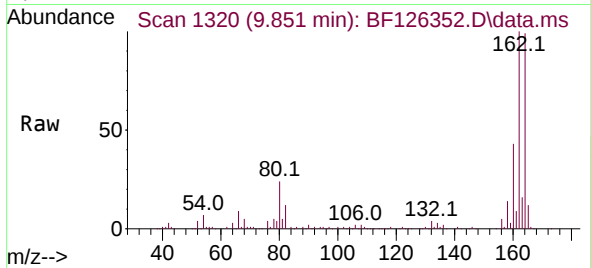
Tgt Ion:128 Resp: 40792
 Ion Ratio Lower Upper
 128 100
 129 9.9 9.4 14.0
 127 11.9 10.9 16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

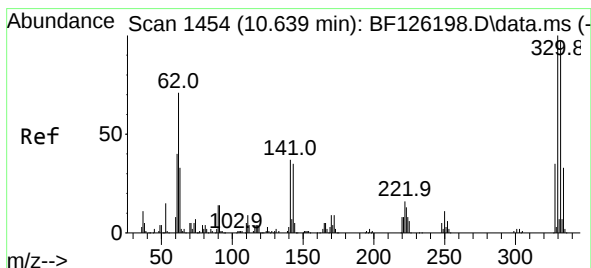
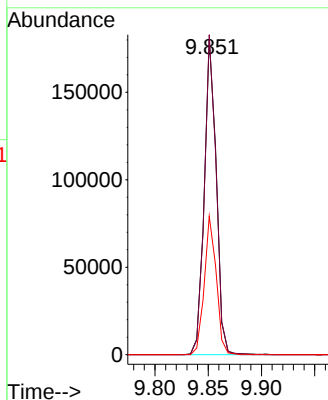
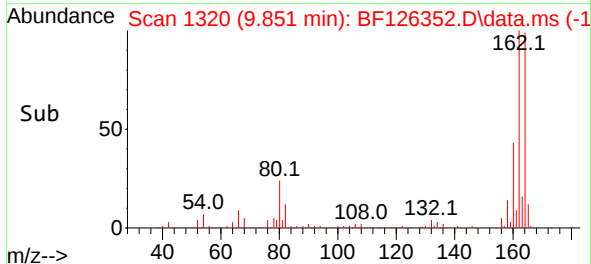
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:164 Resp: 14189
Ion Ratio Lower Upper
164 100
162 101.3 81.3 121.9
160 43.9 38.0 57.0

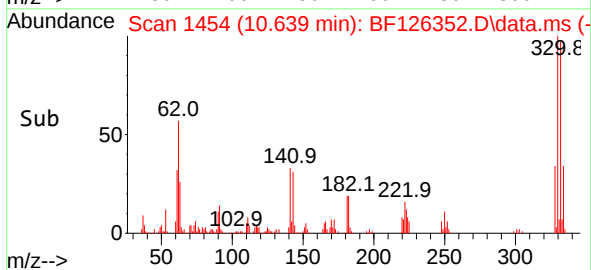
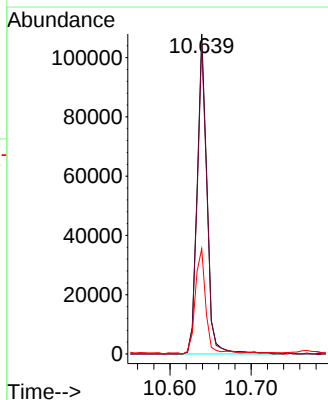
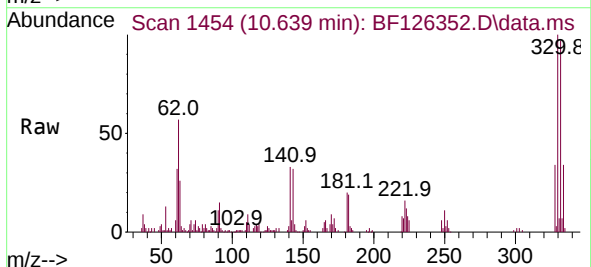
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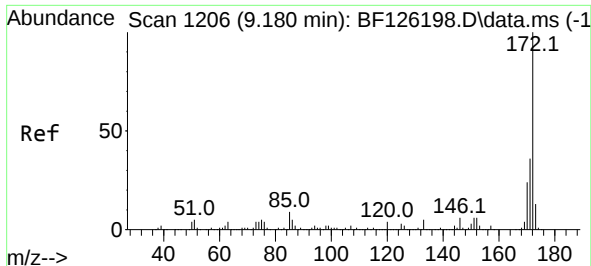
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#42
2,4,6-Tribromophenol
Concen: 79.911 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

Tgt Ion:330 Resp: 91124
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 36.0 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 66.907 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF126352.D

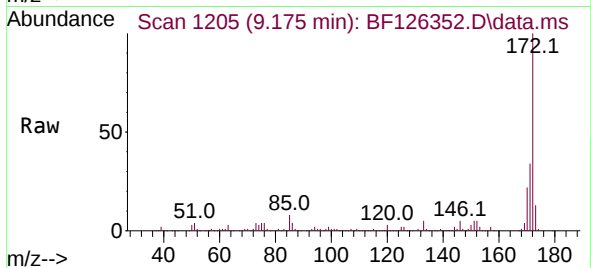
Acq: 23 Dec 2021 19:17

Instrument :

BNA_F

ClientSampleId :

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



Tgt Ion:172 Resp: 54129

Ion Ratio Lower Upper

172 100

171 34.4 26.5 39.7

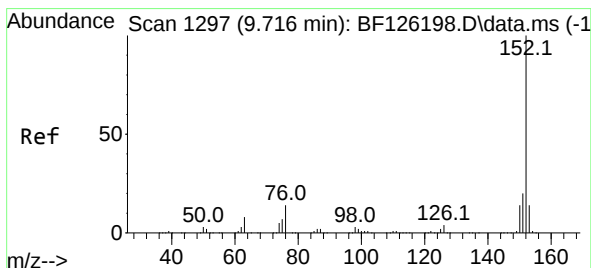
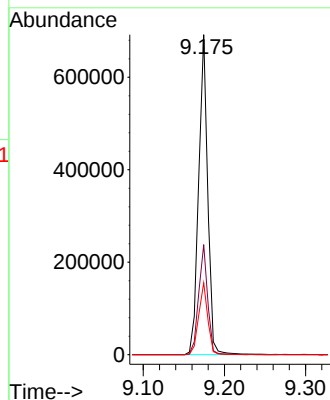
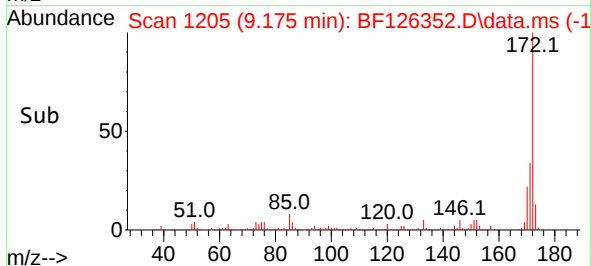
170 22.4 18.8 28.2

Manual Integrations

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Supervised By :mohammad ahmed 12/31/2021



#49

Acenaphthylene

Concen: 3.229 ng

RT: 9.710 min Scan# 1296

Delta R.T. -0.006 min

Lab File: BF126352.D

Acq: 23 Dec 2021 19:17

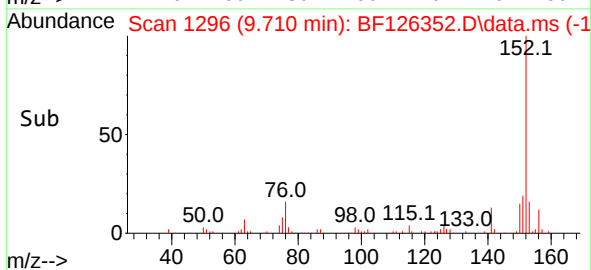
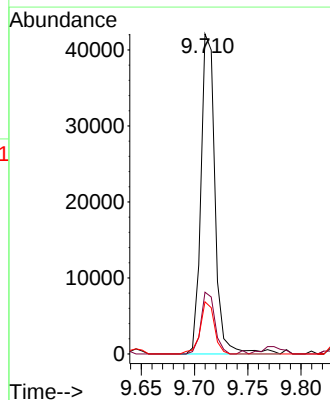
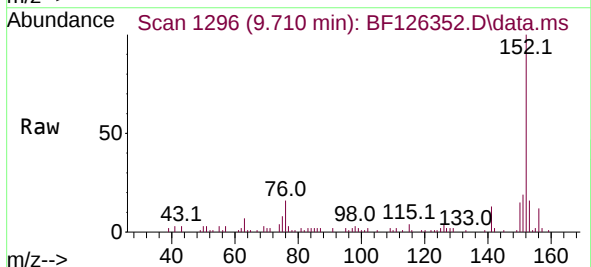
Tgt Ion:152 Resp: 38949

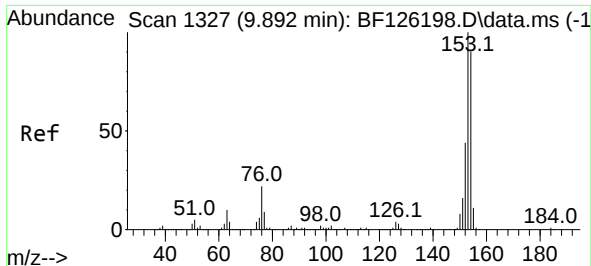
Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

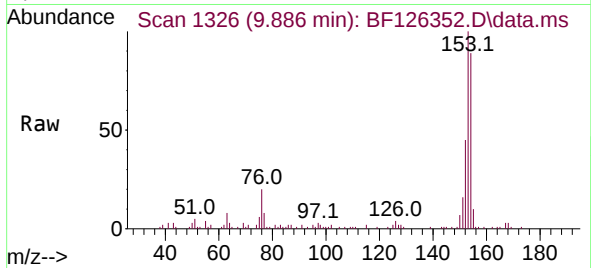
153 16.3 9.8 14.8#





#52
Acenaphthene
Concen: 4.825 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

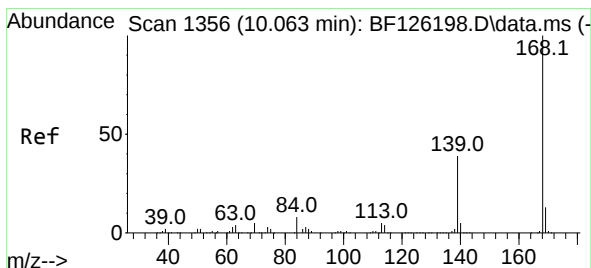
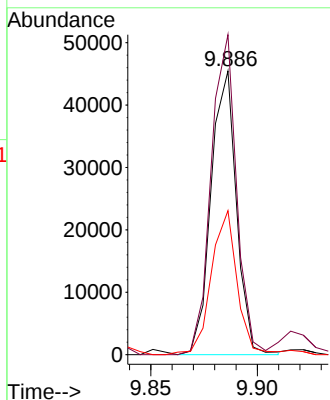
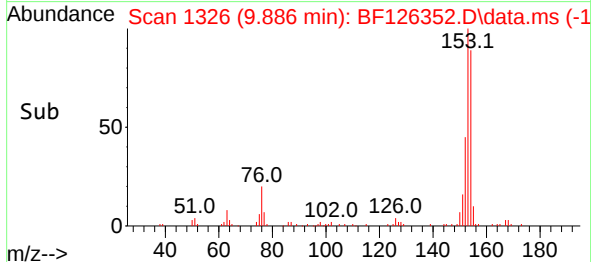
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ClientSampleId :
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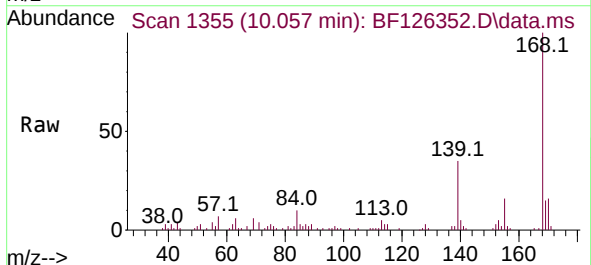
Tgt Ion:154 Resp: 3774
Ion Ratio Lower Upper
154 100
153 112.8 89.4 134.2
152 50.7 40.5 60.7

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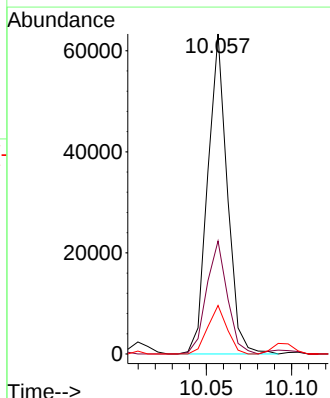
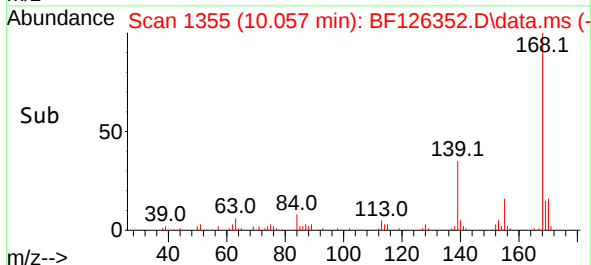
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021

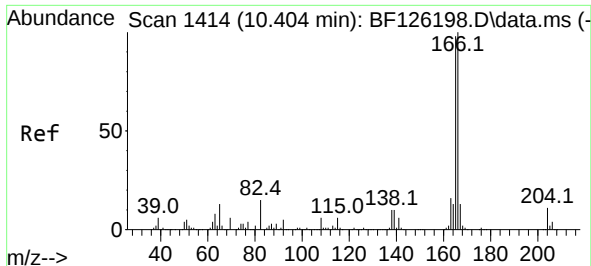


#55
Dibenzofuran
Concen: 4.733 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17



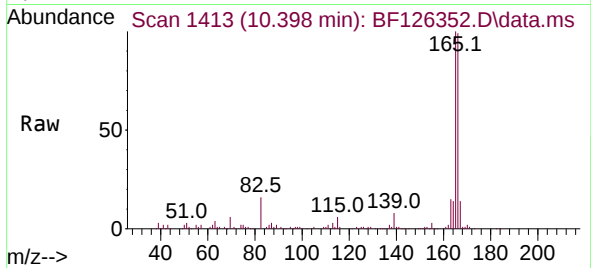
Tgt Ion:168 Resp: 50409
Ion Ratio Lower Upper
168 100
139 35.3 32.7 49.1
169 15.1 11.2 16.8





#58
Fluorene
Concen: 11.302 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

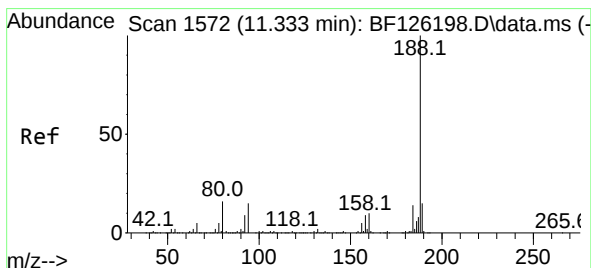
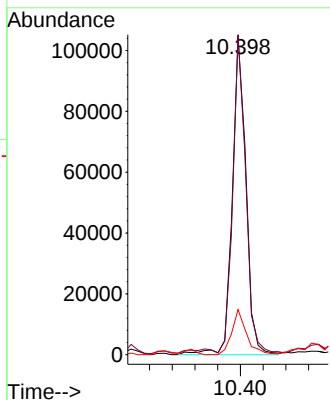
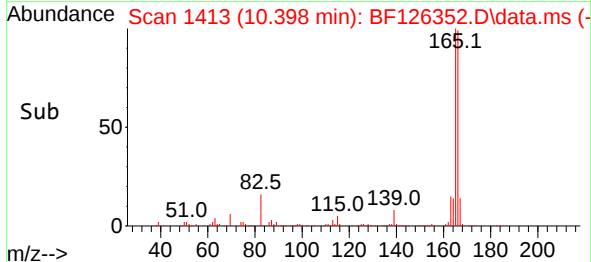
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ClientSampleId :
TP-(0-3.5)-12-21-2021



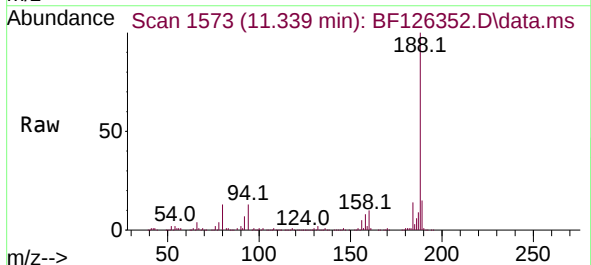
Tgt Ion:166 Resp: 87135
Ion Ratio Lower Upper
166 100
165 100.6 78.1 117.1
167 14.2 11.1 16.7

Manual Integrations
APPROVED

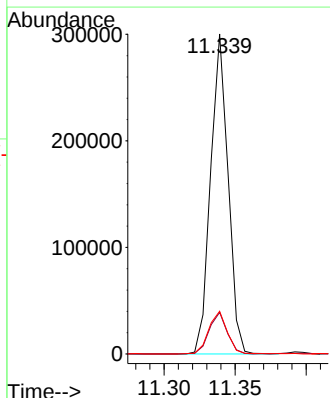
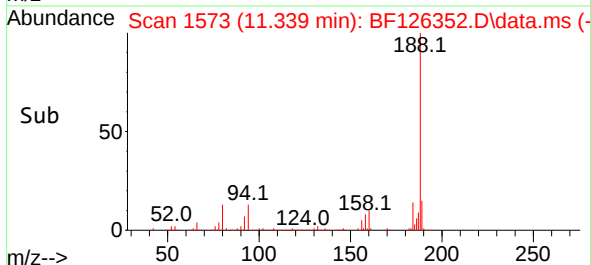
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021

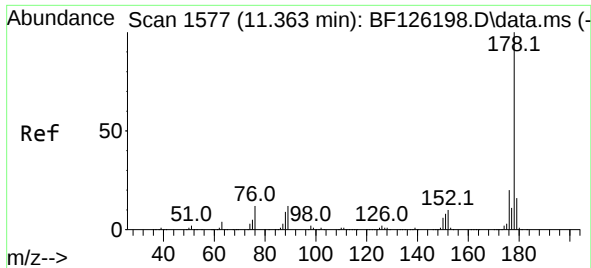


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17



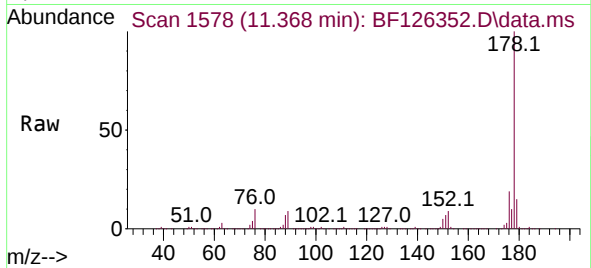
Tgt Ion:188 Resp: 257511
Ion Ratio Lower Upper
188 100
94 13.0 6.7 10.1#
80 13.3 7.5 11.3#





#71
Phenanthrene
Concen: 67.000 ng
RT: 11.368 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

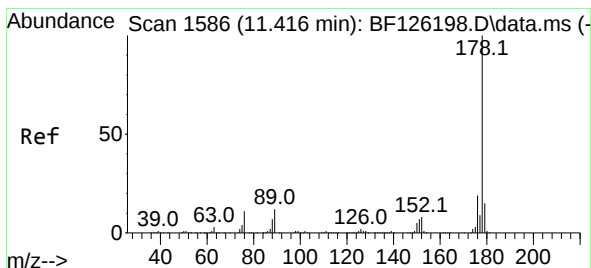
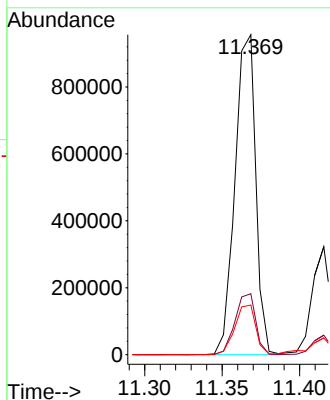
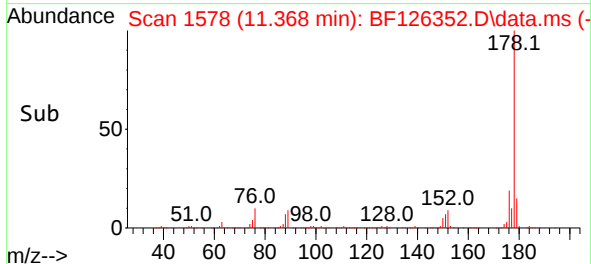
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:178 Resp: 890495
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.5 11.5 17.3

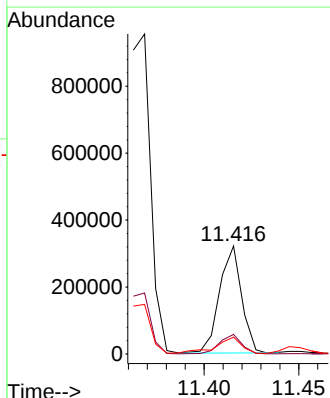
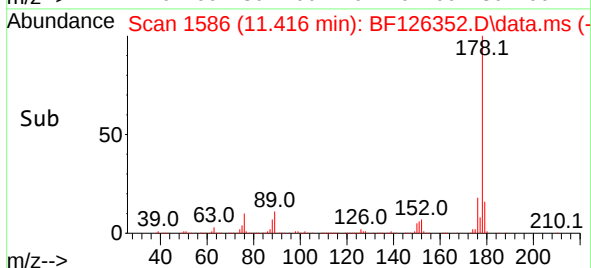
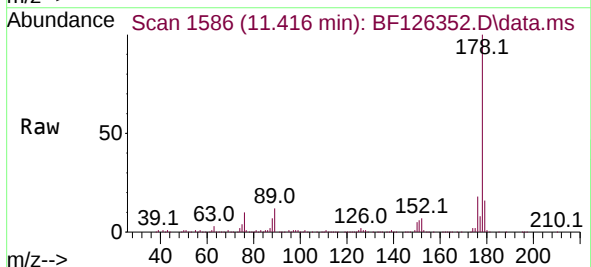
Manual Integrations
APPROVED

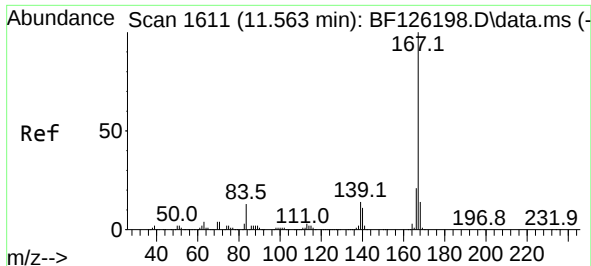
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#72
Anthracene
Concen: 19.510 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

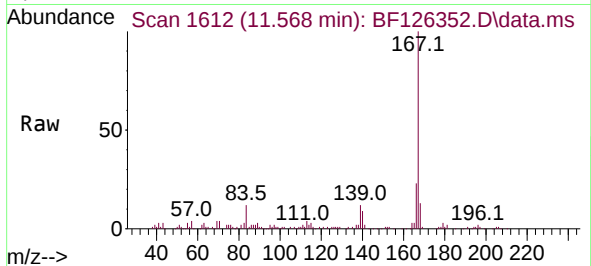
Tgt Ion:178 Resp: 260271
Ion Ratio Lower Upper
178 100
176 18.1 14.3 21.5
179 15.6 12.2 18.4





#73
 Carbazole
 Concen: 6.914 ng
 RT: 11.568 min Scan# 1611
 Delta R.T. -0.000 min
 Lab File: BF126352.D
 Acq: 23 Dec 2021 19:17

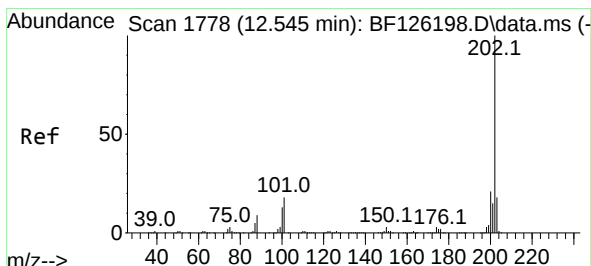
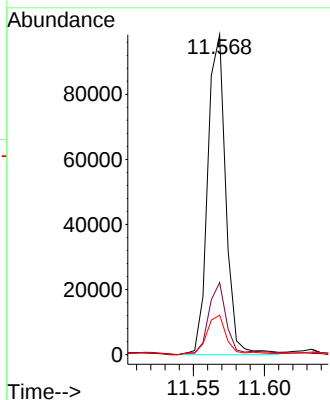
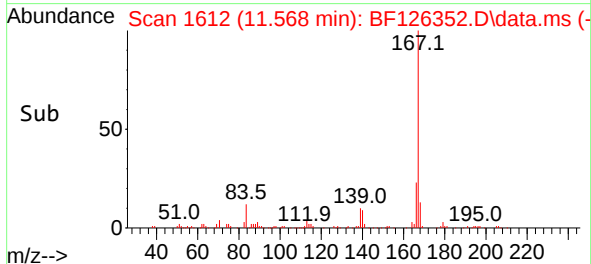
Instrument :
 BNA_F
 ClientSampleId :
 TP-(0-3.5)-12-21-2021



Tgt Ion:167 Resp: 86860
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.0
 139 12.3 11.0 16.4

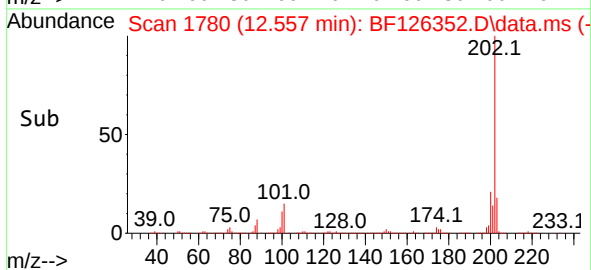
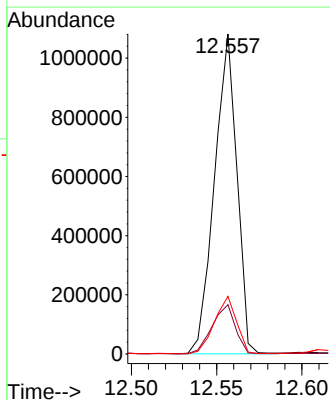
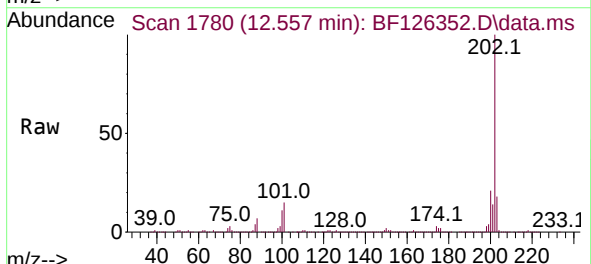
Manual Integrations
 APPROVED

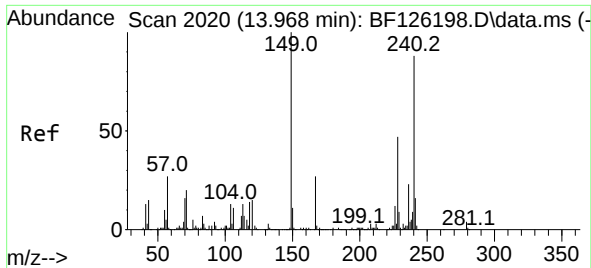
Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/31/2021



#75
 Fluoranthene
 Concen: 82.558 ng
 RT: 12.557 min Scan# 1780
 Delta R.T. 0.006 min
 Lab File: BF126352.D
 Acq: 23 Dec 2021 19:17

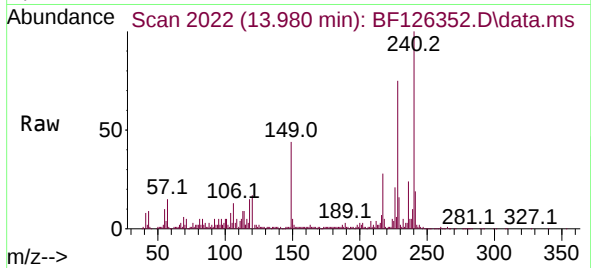
Tgt Ion:202 Resp: 988620
 Ion Ratio Lower Upper
 202 100
 101 15.4 0.0 30.7
 203 18.0 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

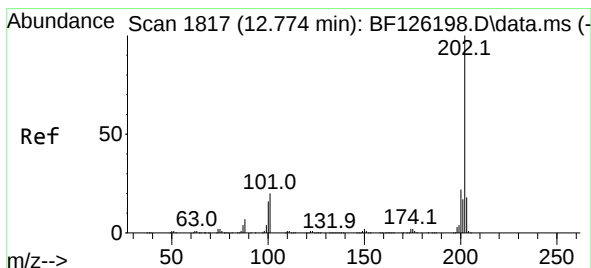
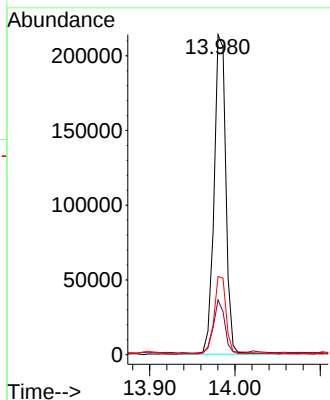
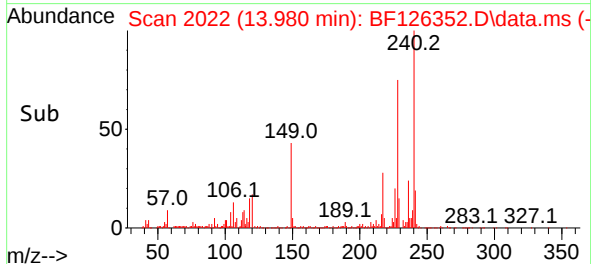
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:240 Resp: 20490
Ion Ratio Lower Upper
240 100
120 17.1 10.8 16.2
236 24.4 21.6 32.4

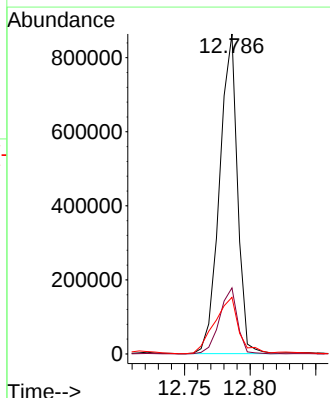
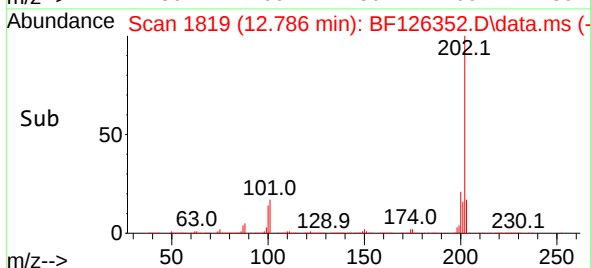
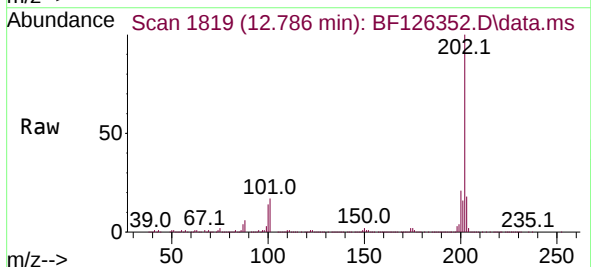
Manual Integrations
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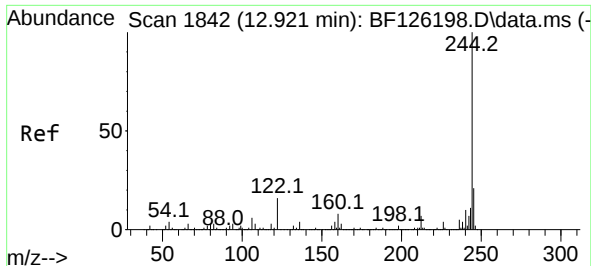
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#78
Pyrene
Concen: 43.401 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

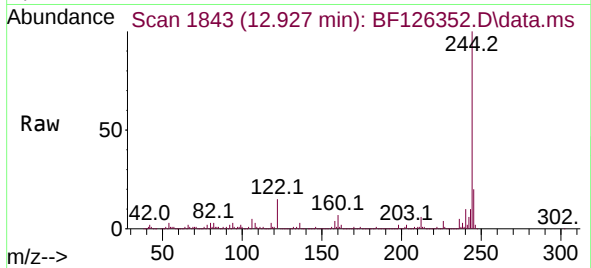
Tgt Ion:202 Resp: 817026
Ion Ratio Lower Upper
202 100
200 20.6 15.3 22.9
203 17.7 13.4 20.0





#79
Terphenyl-d14
Concen: 51.018 ng
RT: 12.927 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

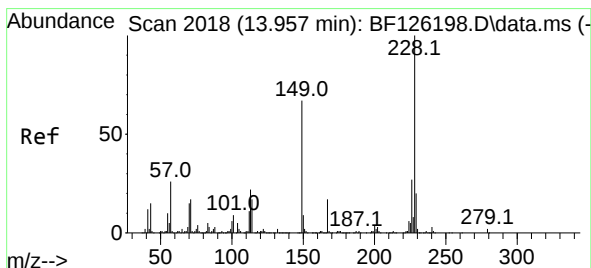
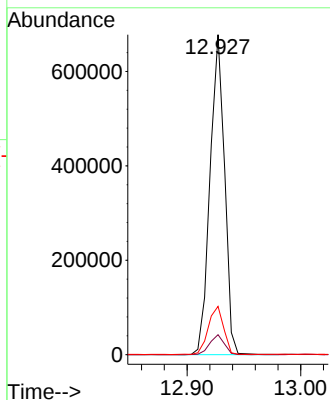
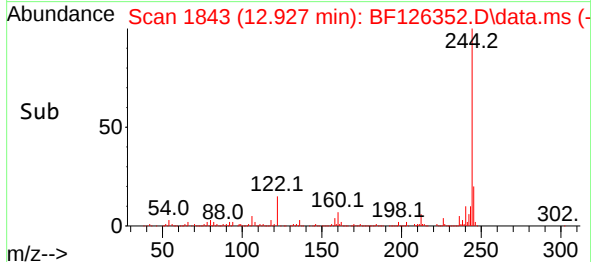
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:244 Resp: 60144
Ion Ratio Lower Upper
244 100
212 6.3 5.9 8.9
122 15.1 9.0 13.4

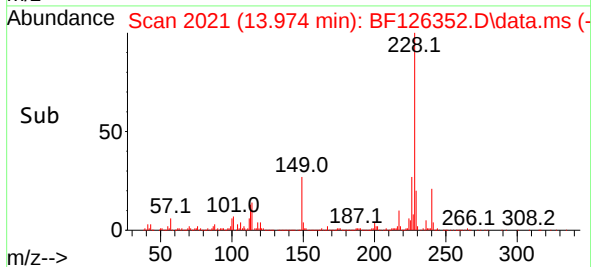
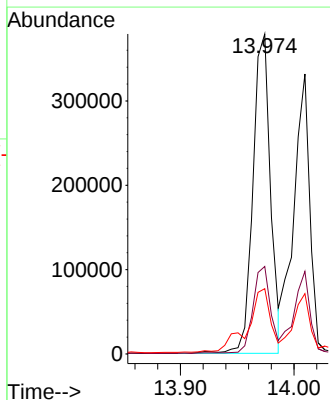
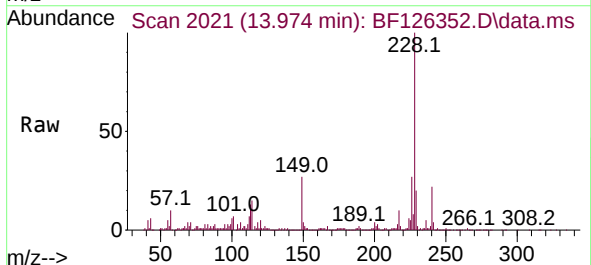
Manual Integrations
APPROVED

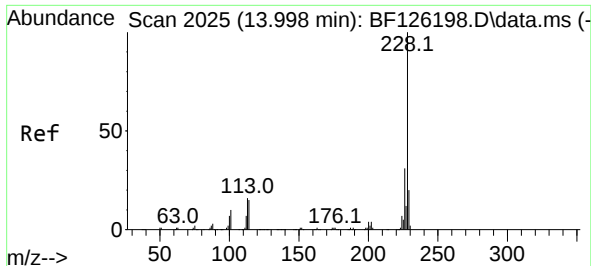
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#81
Benzo(a)anthracene
Concen: 33.505 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

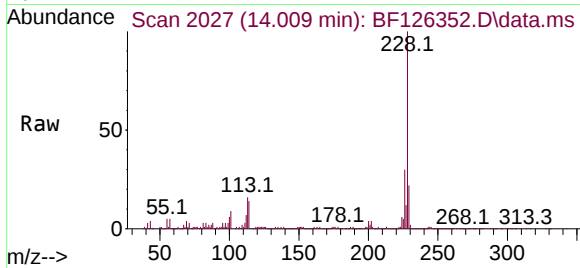
Tgt Ion:228 Resp: 406661
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 20.4 15.6 23.4





#83
Chrysene
Concen: 25.983 ng
RT: 14.009 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

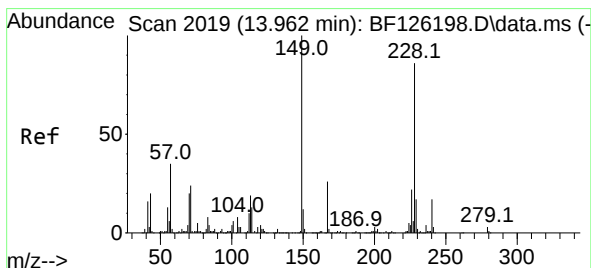
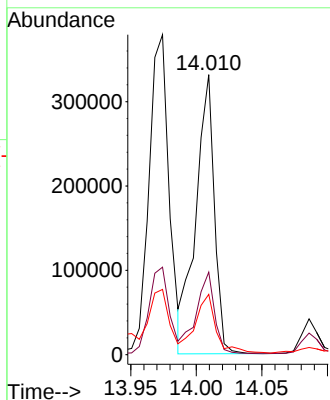
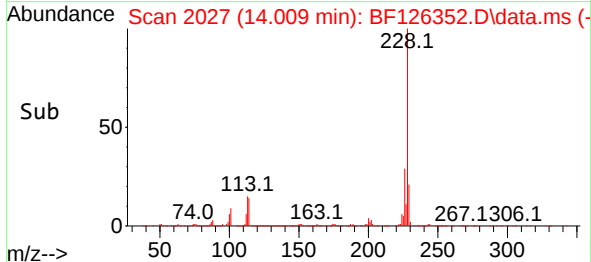
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:228 Resp: 327660
Ion Ratio Lower Upper
228 100
226 29.5 22.6 34.0
229 21.6 15.9 23.9

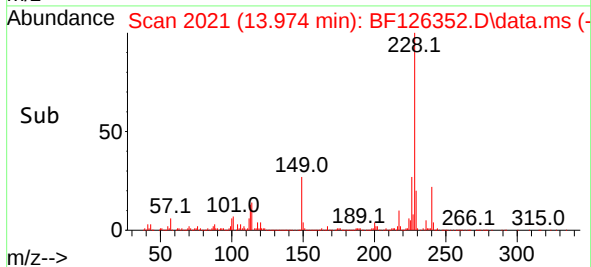
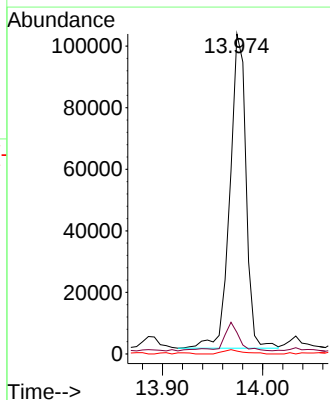
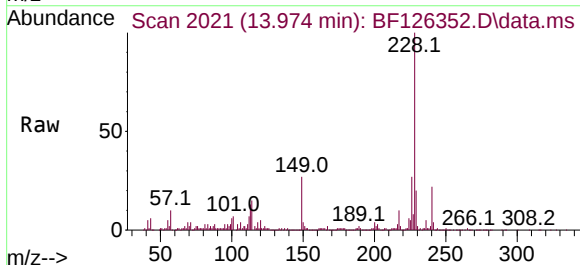
Manual Integrations
APPROVED

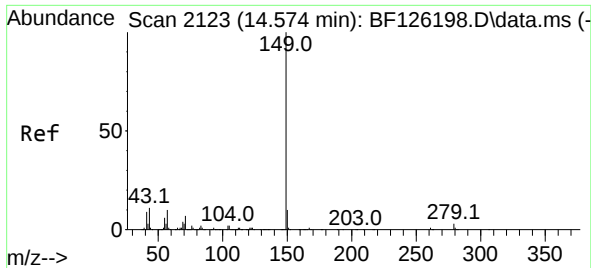
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#84
Bis(2-ethylhexyl)phthalate
Concen: 11.546 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

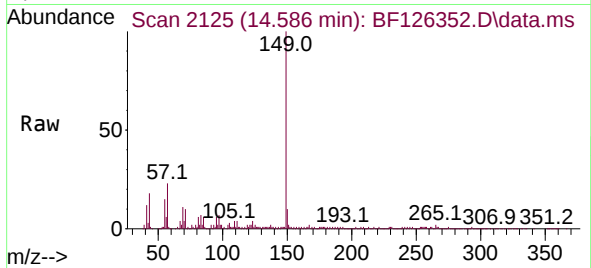
Tgt Ion:149 Resp: 114298
Ion Ratio Lower Upper
149 100
167 6.7 21.4 32.0#
279 0.9 2.6 4.0#





#85
Di-n-octyl phthalate
Concen: 11.991 ng
RT: 14.586 min Scan# 2125
Delta R.T. 0.012 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

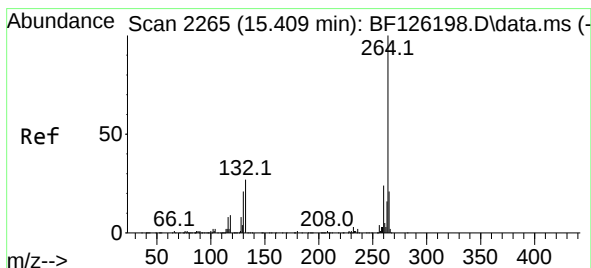
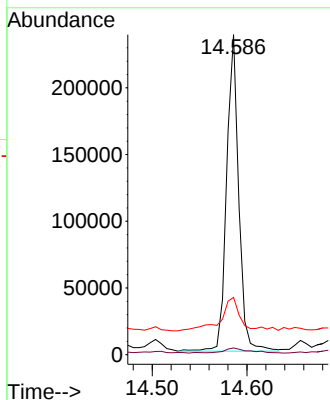
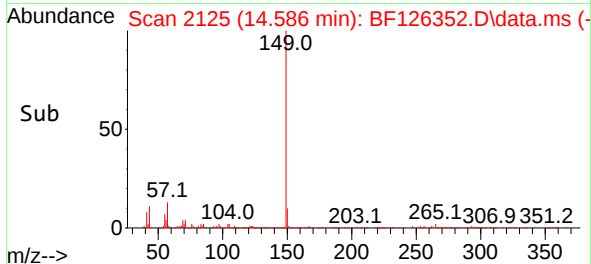
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:149 Resp: 211609
Ion Ratio Lower Upper
149 100
167 3.3 1.0 1.6
43 15.9 9.9 14.9

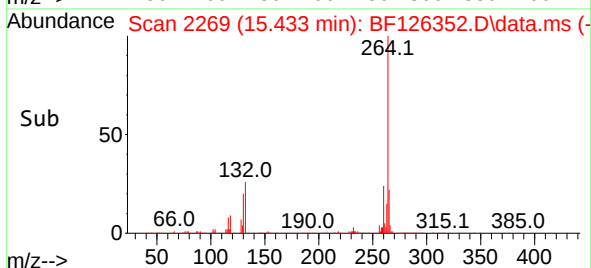
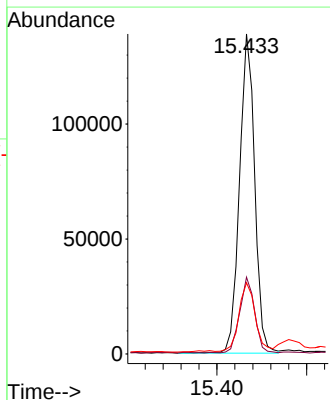
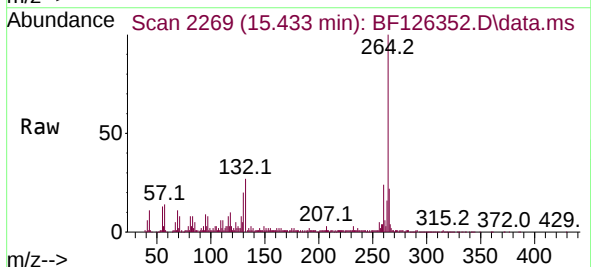
Manual Integrations
APPROVED

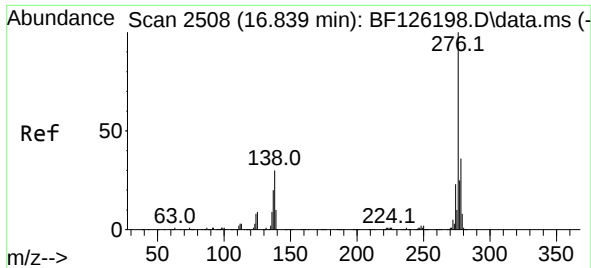
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

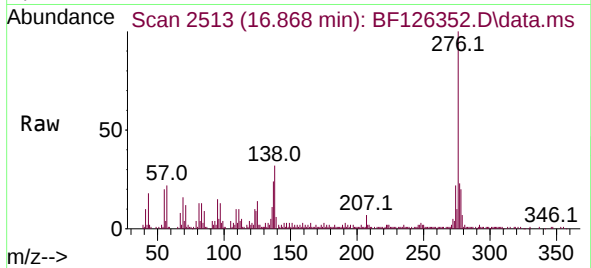
Tgt Ion:264 Resp: 163038
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 22.3 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.032 ng
 RT: 16.868 min Scan# 2197
 Delta R.T. 0.006 min
 Lab File: BF126352.D
 Acq: 23 Dec 2021 19:17

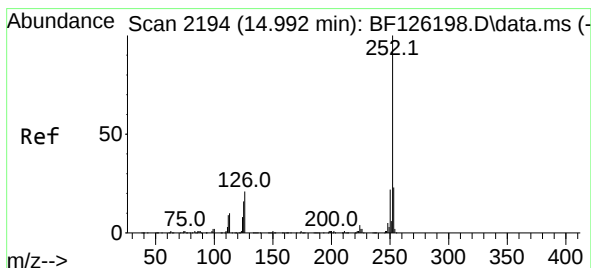
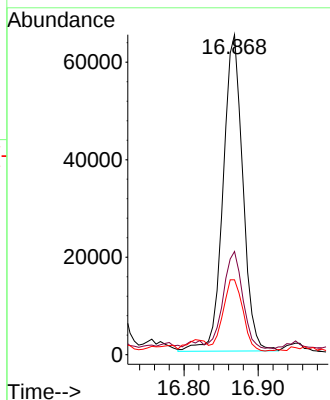
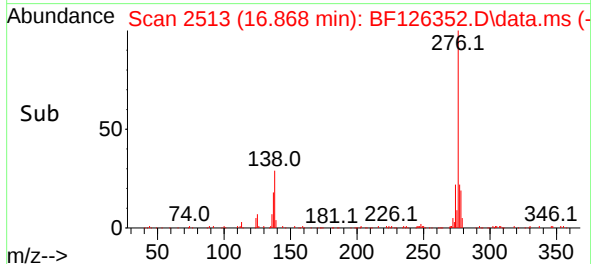
Instrument :
 BNA_F
 ClientSampleId :
 TP-(0-3.5)-12-21-2021



Tgt Ion:276 Resp: 11997
 Ion Ratio Lower Upper
 276 100
 138 30.4 24.1 36.1
 277 22.7 18.8 28.2

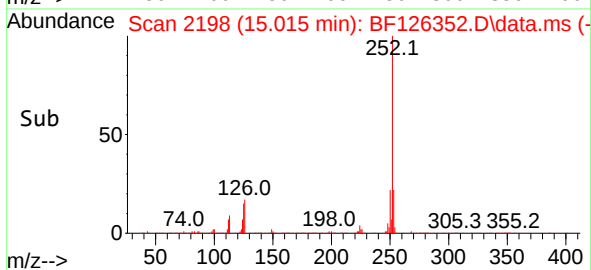
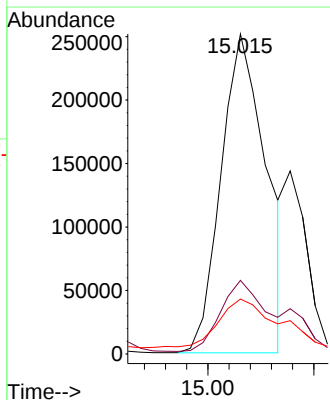
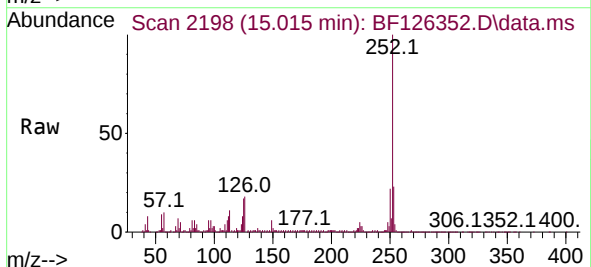
Manual Integrations
 APPROVED

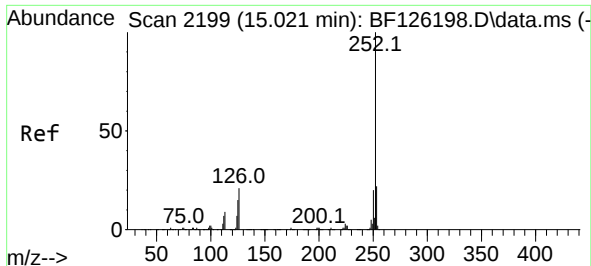
Reviewed By :Jagrut Upadhyay 12/27/2021
 Supervised By :mohammad ahmed 12/31/2021



#88
 Benzo(b)fluoranthene
 Concen: 37.885 ng m
 RT: 15.015 min Scan# 2198
 Delta R.T. 0.012 min
 Lab File: BF126352.D
 Acq: 23 Dec 2021 19:17

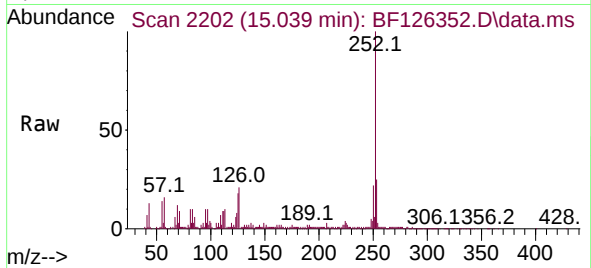
Tgt Ion:252 Resp: 371126
 Ion Ratio Lower Upper
 252 100
 253 23.0 16.8 25.2
 125 17.2 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 11.072 ng m
RT: 15.039 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

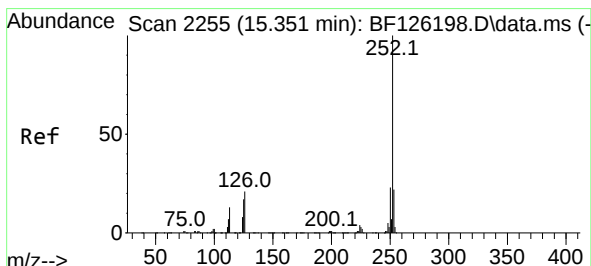
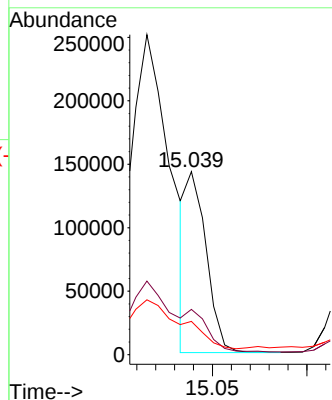
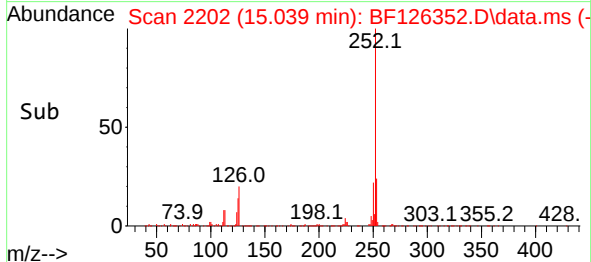
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:252 Resp: 103762
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 18.2 7.2 10.8

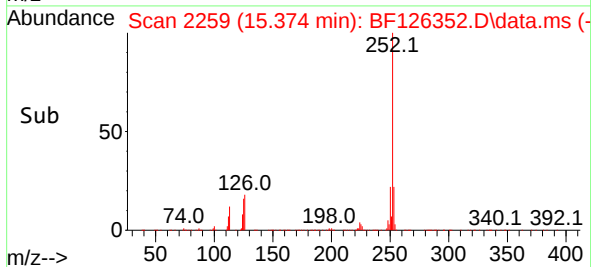
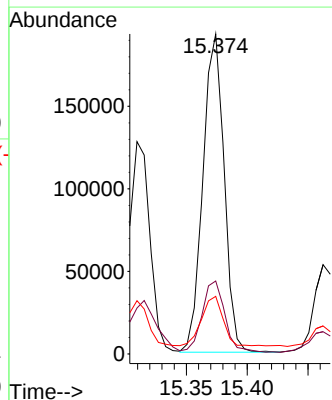
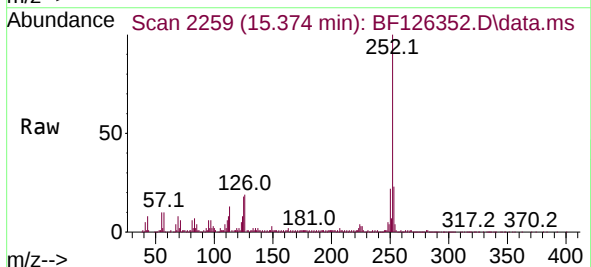
Manual Integrations
APPROVED

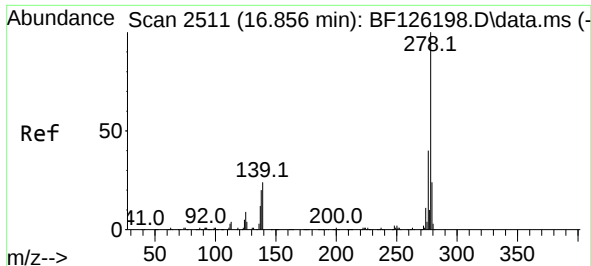
Reviewed By :Jagrut Upadhyay 12/27/2021
Supervised By :mohammad ahmed 12/31/2021



#90
Benzo(a)pyrene
Concen: 28.721 ng
RT: 15.374 min Scan# 2259
Delta R.T. 0.012 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

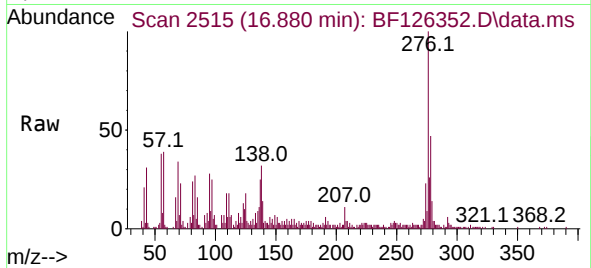
Tgt Ion:252 Resp: 233843
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 18.0 9.9 14.9





#91
Dibenzo(a,h)anthracene
Concen: 3.674 ng
RT: 16.880 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

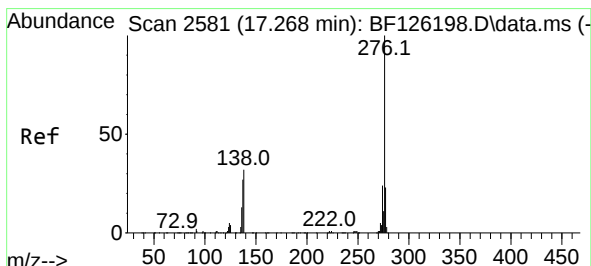
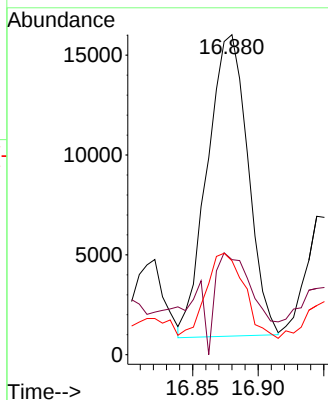
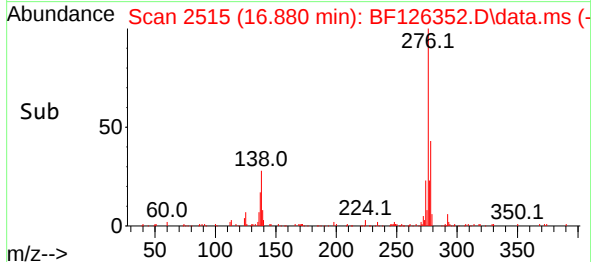
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021



Tgt Ion:278 Resp: 32470
Ion Ratio Lower Upper
278 100
139 36.2 14.9 22.3
279 29.4 19.7 29.5

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 11.412 ng
RT: 17.298 min Scan# 2586
Delta R.T. -0.000 min
Lab File: BF126352.D
Acq: 23 Dec 2021 19:17

Tgt Ion:276 Resp: 104381
Ion Ratio Lower Upper
276 100
277 26.7 22.0 33.0
138 32.9 22.2 33.4

