

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111221\
 Data File : BF126164.D
 Acq On : 12 Nov 2021 21:12
 Operator : JU/CG
 Sample : M4639-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TT-6/4-5

Quant Time: Nov 15 06:37:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/15/2021
 Supervised By :mohammad ahmed 11/17/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	140245	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	514361	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	276246	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	440940	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	386601	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	307699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	706654	86.529	ng	0.00
7) Phenol-d6	6.469	99	902508	78.395	ng	-0.02
23) Nitrobenzene-d5	7.404	82	658844	60.408	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	227217	71.773	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1130908	55.323	ng	-0.02
79) Terphenyl-d14	12.951	244	1037066	43.257	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.574	202	149657	5.620	ng	98
78) Pyrene	12.804	202	145128	4.681	ng	97
81) Benzo(a)anthracene	13.992	228	97981	3.689	ng	94
83) Chrysene	14.027	228	93157	3.770	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	40377	2.217	ng	# 80
88) Benzo(b)fluoranthene	15.045	252	129231m	6.457	ng	
89) Benzo(k)fluoranthene	15.068	252	39531m	2.036	ng	
90) Benzo(a)pyrene	15.404	252	84335m	5.348	ng	
92) Benzo(g,h,i)perylene	17.368	276	37777	2.633	ng	# 87

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

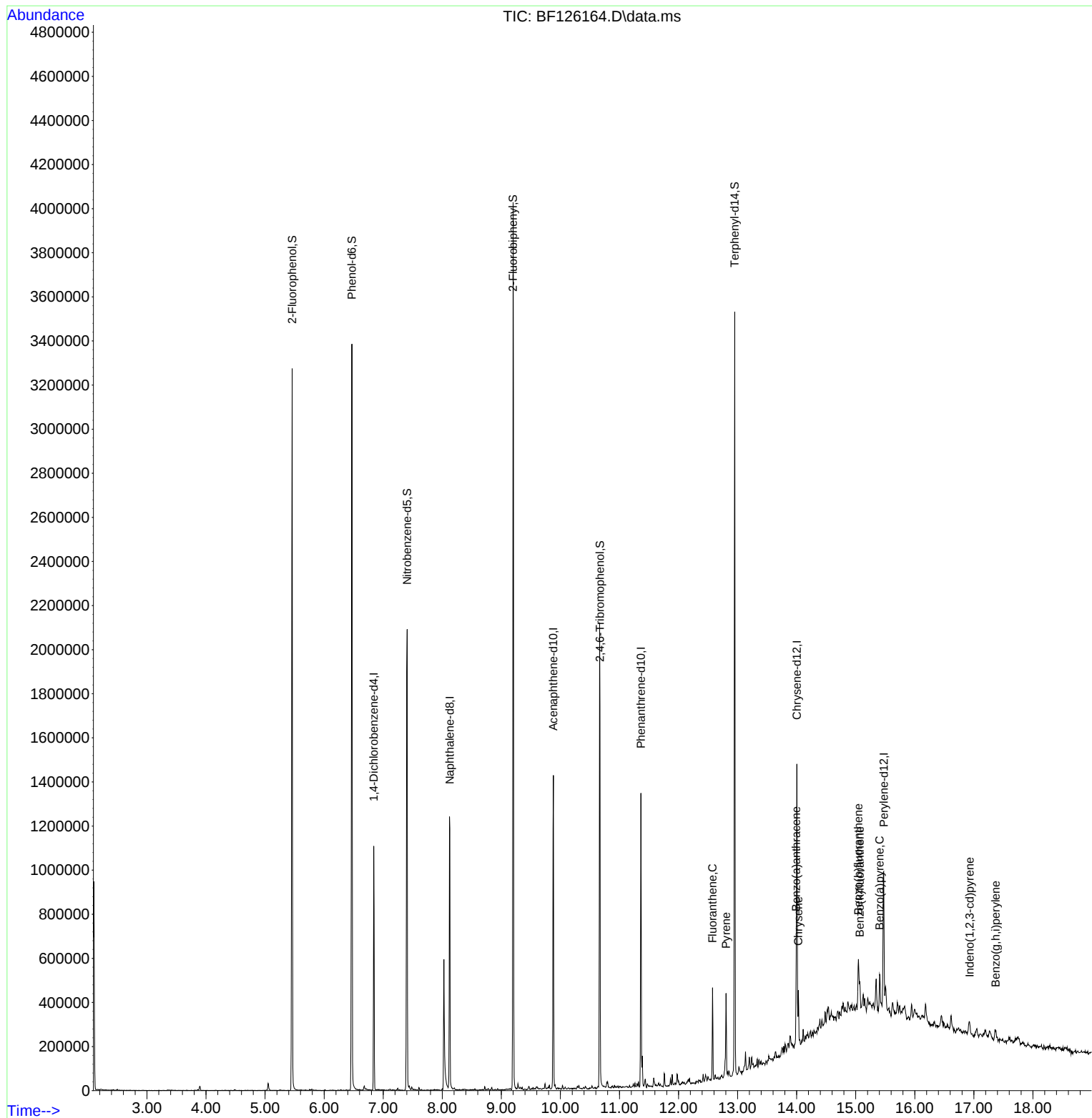
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111221\
Data File : BF126164.D
Acq On : 12 Nov 2021 21:12
Operator : JU/CG
Sample : M4639-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

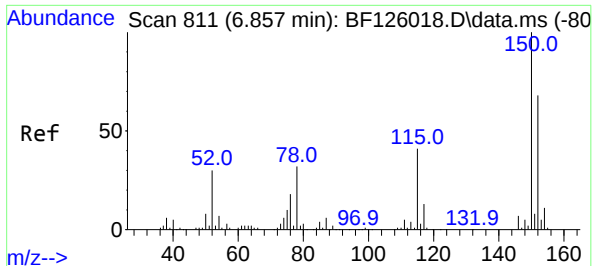
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5

Quant Time: Nov 15 06:37:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

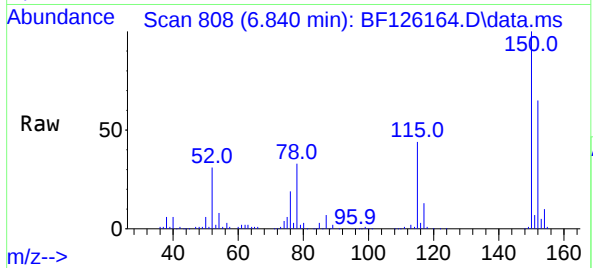
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.017 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

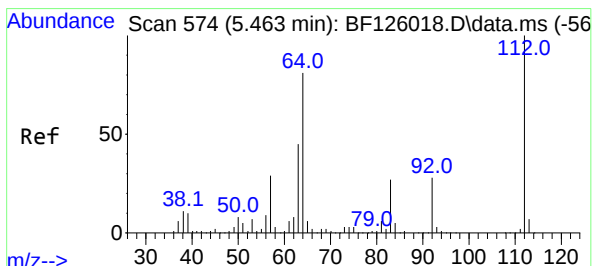
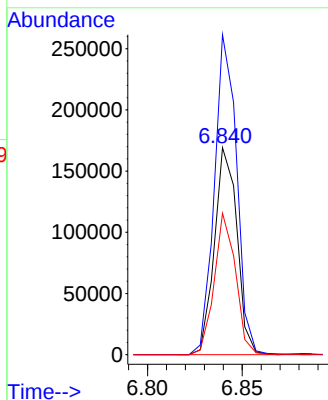
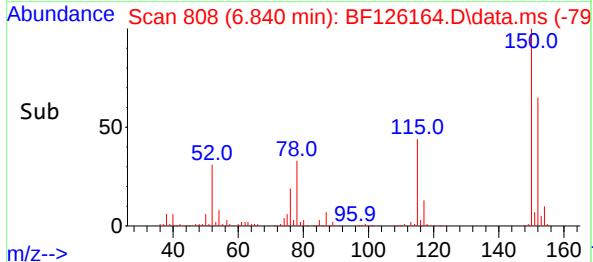
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5



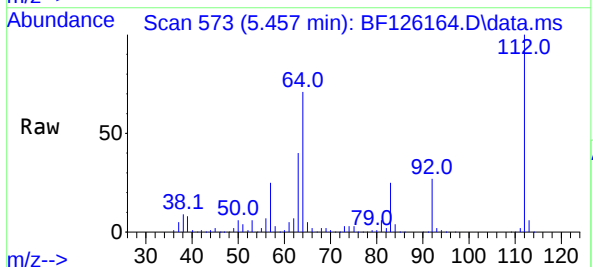
Tgt Ion:152 Resp: 140245
Ion Ratio Lower Upper
152 100
150 154.5 117.6 176.4
115 68.3 47.1 70.7

Manual Integrations
APPROVED

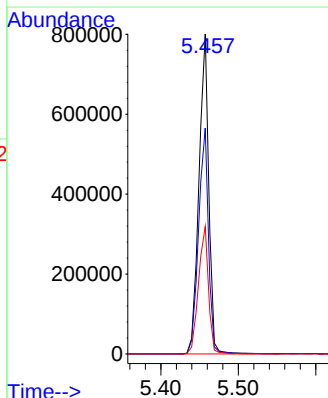
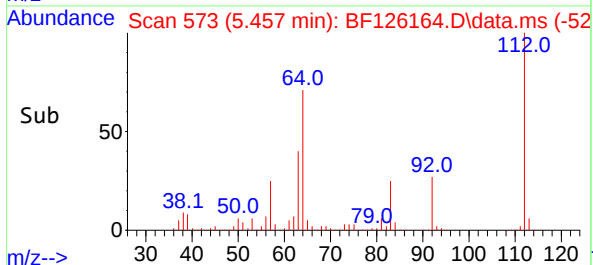
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021

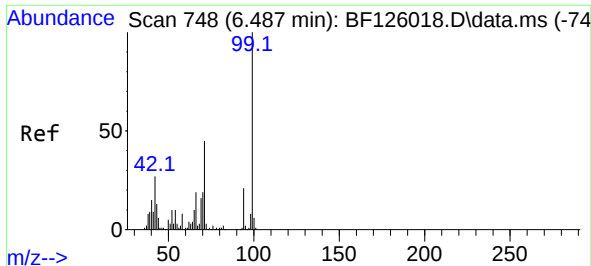


#5
2-Fluorophenol
Concen: 86.529 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12



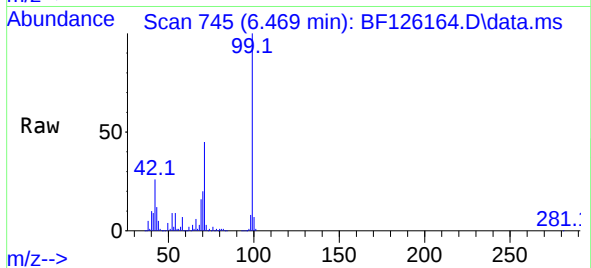
Tgt Ion:112 Resp: 706654
Ion Ratio Lower Upper
112 100
64 70.6 44.2 66.2#
63 39.8 26.2 39.2#





#7
Phenol-d6
Concen: 78.395 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

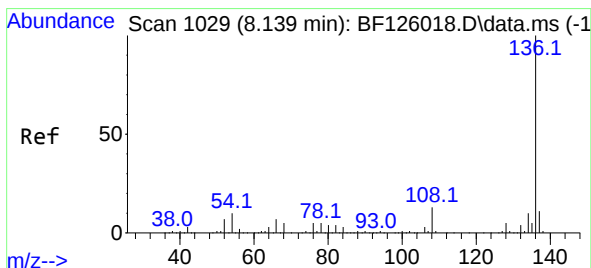
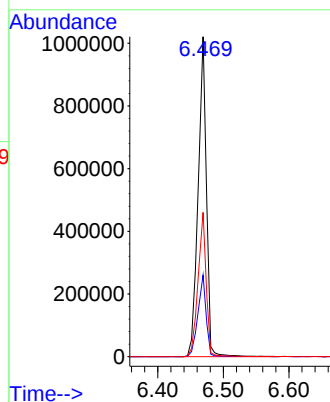
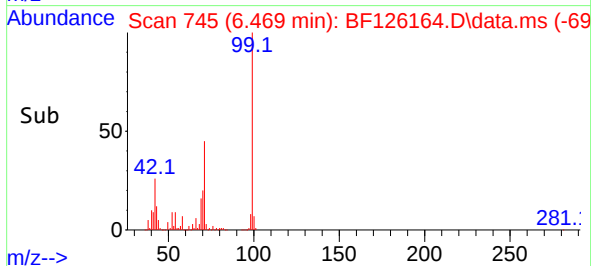
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5



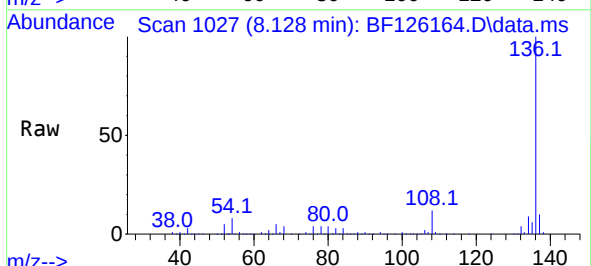
Tgt Ion: 99 Resp: 902508
Ion Ratio Lower Upper
99 100
42 25.5 23.5 35.3
71 45.1 25.6 38.4

Manual Integrations
APPROVED

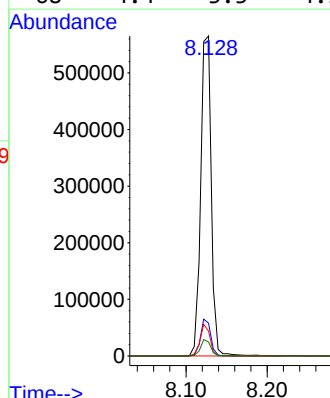
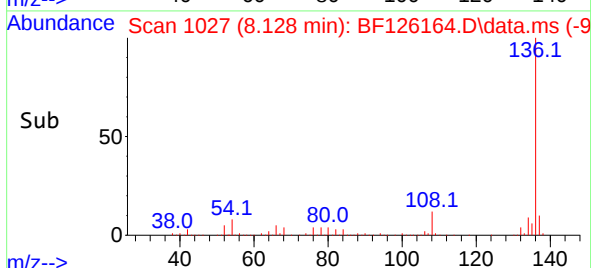
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.011 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12



Tgt Ion:136 Resp: 514361
Ion Ratio Lower Upper
136 100
137 10.3 9.8 14.6
54 7.8 6.4 9.6
68 4.4 3.3 4.9





#23

Nitrobenzene-d5

Concen: 60.408 ng

RT: 7.404 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF126164.D

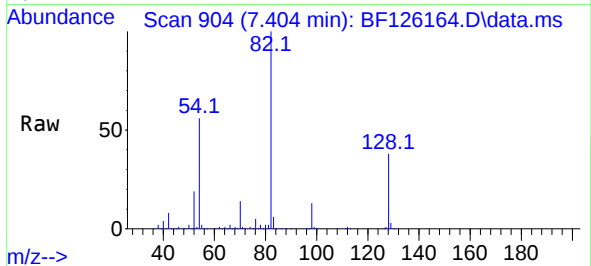
Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

TT-6/4-5



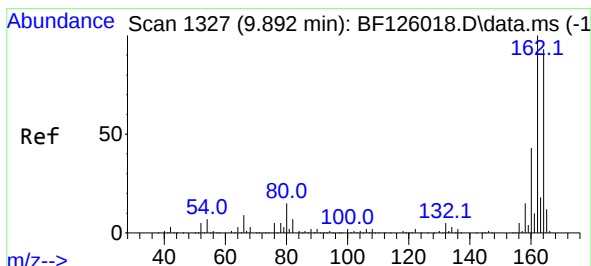
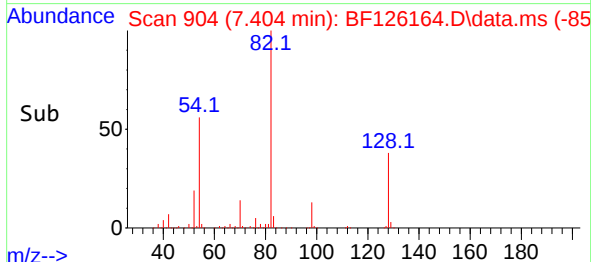
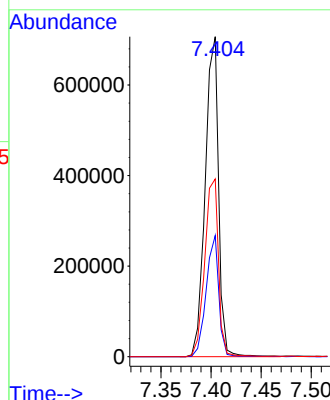
Tgt Ion: 82 Resp: 658844

Ion	Ratio	Lower	Upper
82	100		
128	37.8	40.6	60.8
54	55.5	49.6	74.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1325

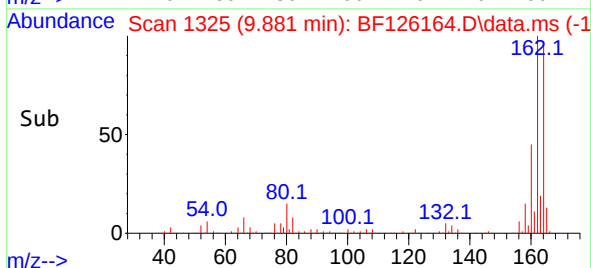
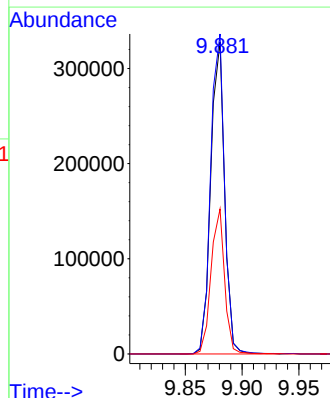
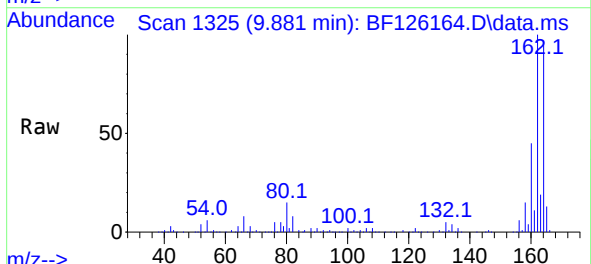
Delta R.T. -0.011 min

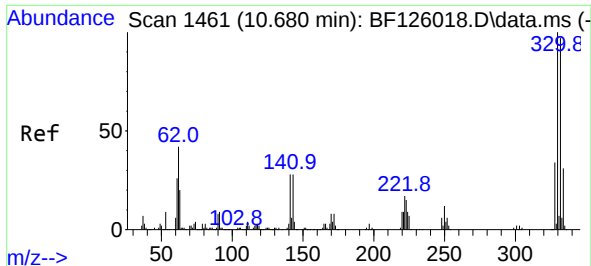
Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

Tgt Ion:164 Resp: 276246

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	46.4	38.0	57.0





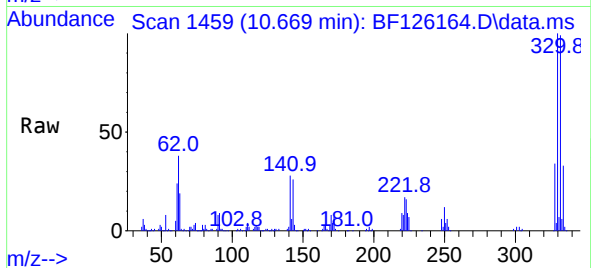
#42
2,4,6-Tribromophenol
Concen: 71.773 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

TT-6/4-5

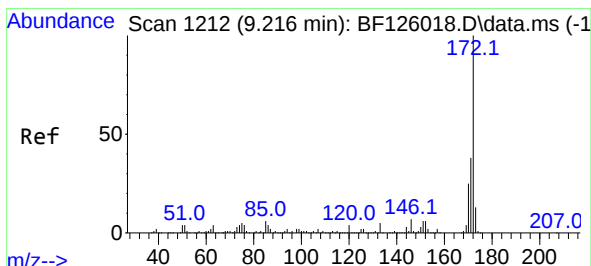
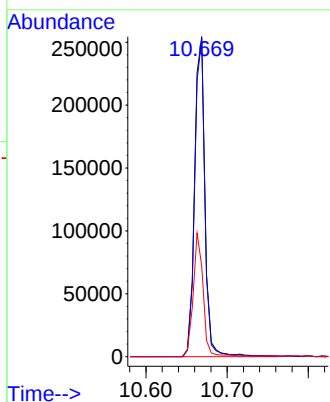
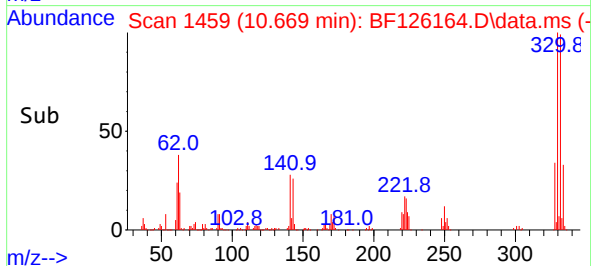


Tgt Ion: 330 Resp: 22721
Ion Ratio Lower Upper
330 100
332 97.4 76.2 114.4
141 37.1 44.6 66.8

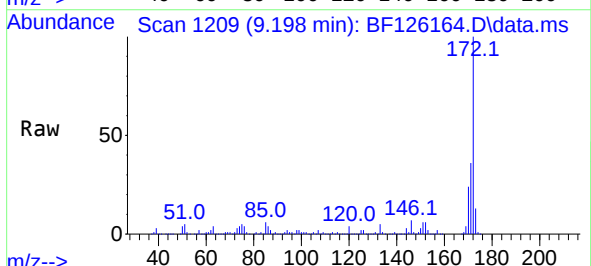
Manual Integrations

APPROVED

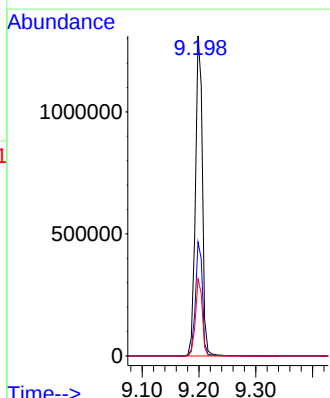
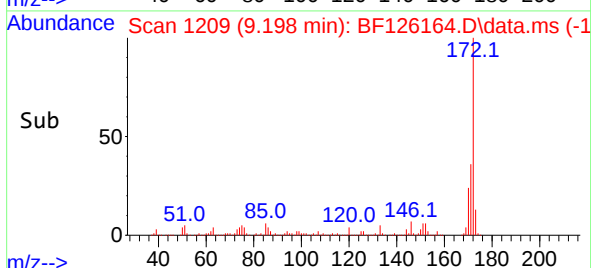
Reviewed By : Jagrut Upadhyay 11/15/2021
Supervised By : mohammad ahmed 11/17/2021



#45
2-Fluorobiphenyl
Concen: 55.323 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.018 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12



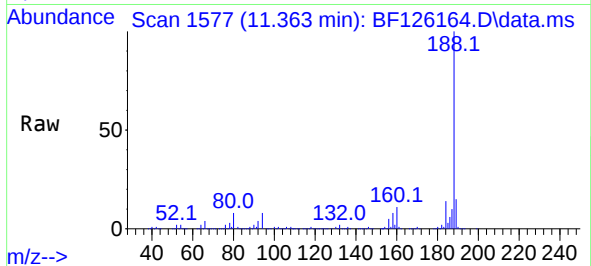
Tgt Ion: 172 Resp: 1130908
Ion Ratio Lower Upper
172 100
171 35.6 26.5 39.7
170 24.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

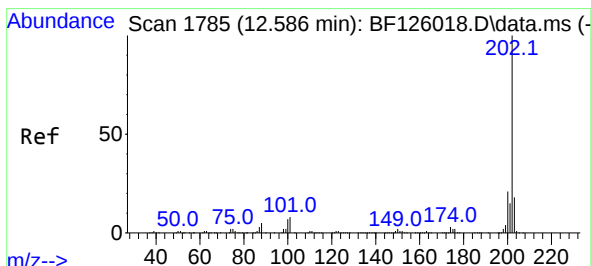
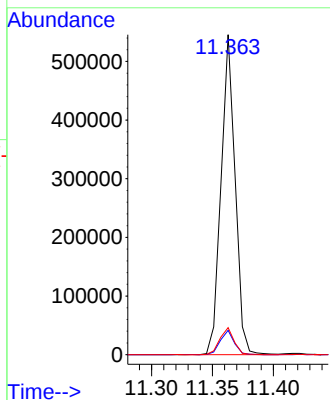
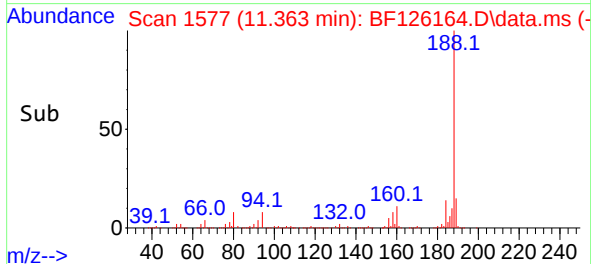
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5



Tgt Ion:188 Resp: 440940
Ion Ratio Lower Upper
188 100
94 7.6 6.7 10.1
80 8.5 7.5 11.3

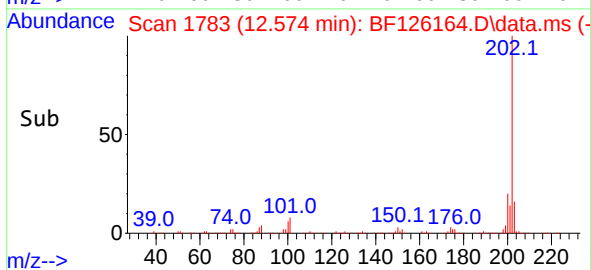
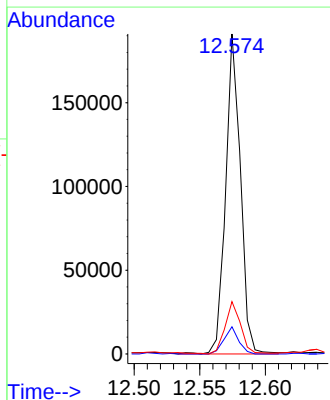
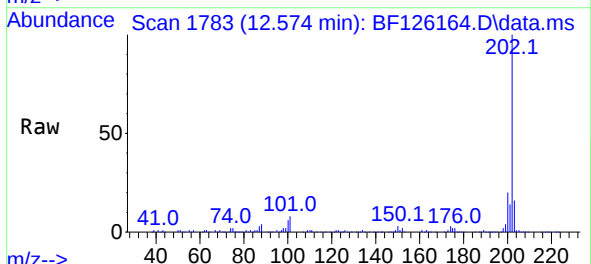
Manual Integrations
APPROVED

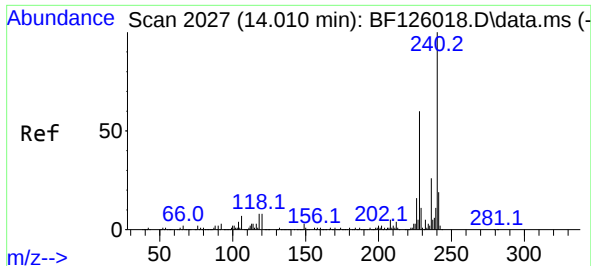
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#75
Fluoranthene
Concen: 5.620 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:202 Resp: 149657
Ion Ratio Lower Upper
202 100
101 8.5 0.0 30.7
203 16.4 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

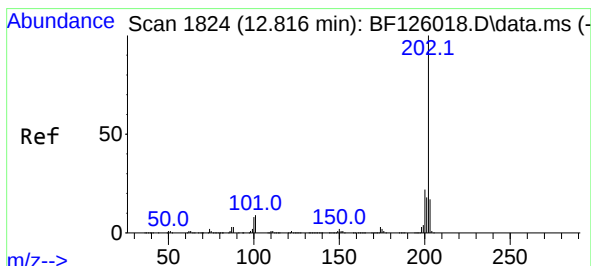
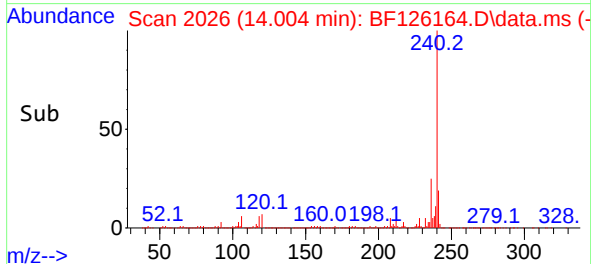
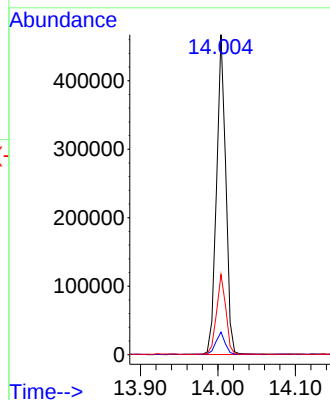
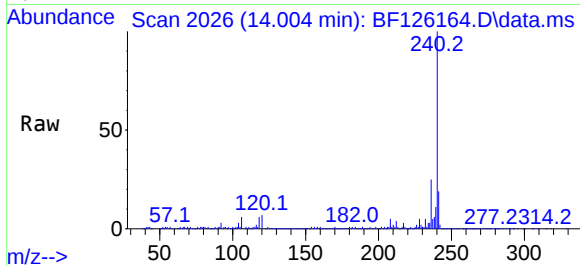
TT-6/4-5

Tgt Ion:240 Resp: 386600
Ion Ratio Lower Upper
240 100
120 7.0 10.8 16.2
236 25.0 21.6 32.4

Manual Integrations

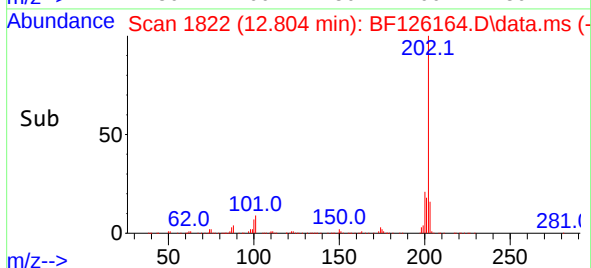
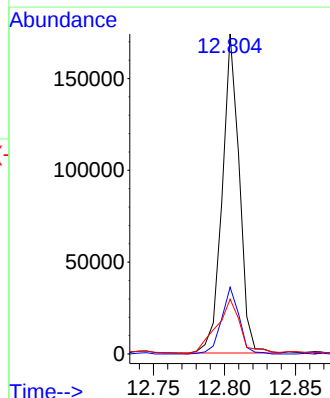
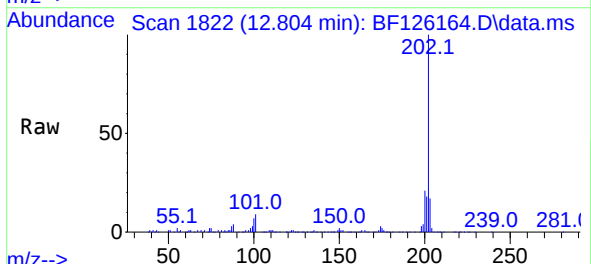
APPROVED

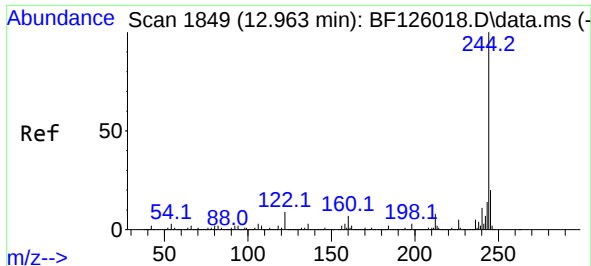
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#78
Pyrene
Concen: 4.681 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:202 Resp: 145128
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 17.1 13.4 20.0





#79
Terphenyl-d14
Concen: 43.257 ng
RT: 12.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

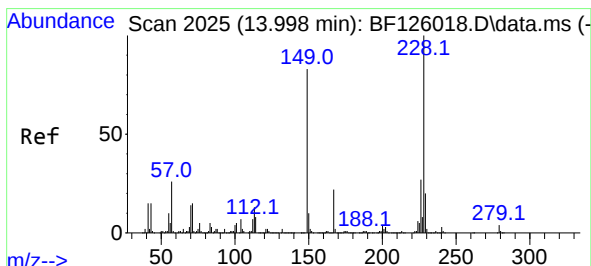
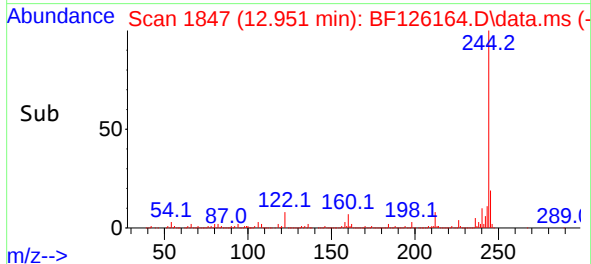
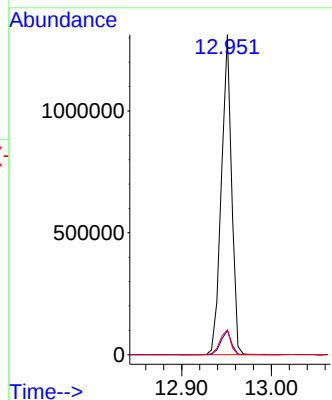
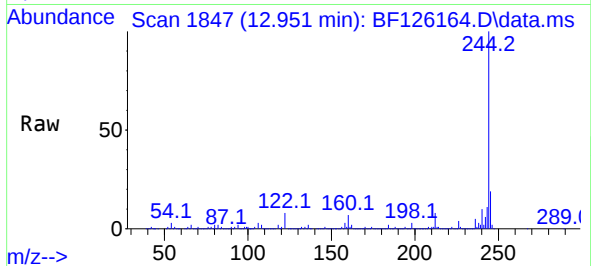
TT-6/4-5

Tgt Ion:244 Resp: 1037060
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 7.7 9.0 13.4

Manual Integrations

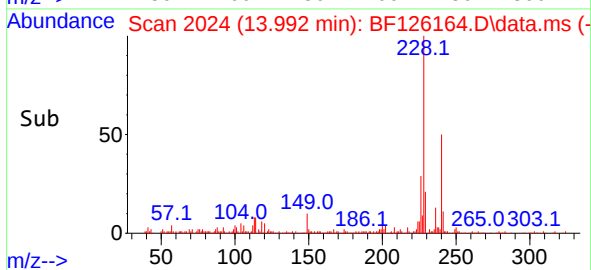
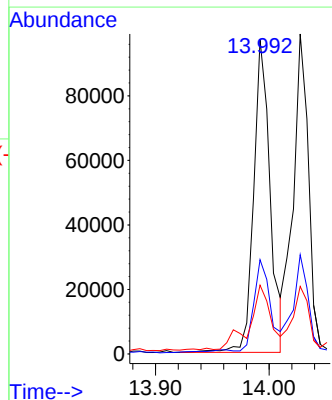
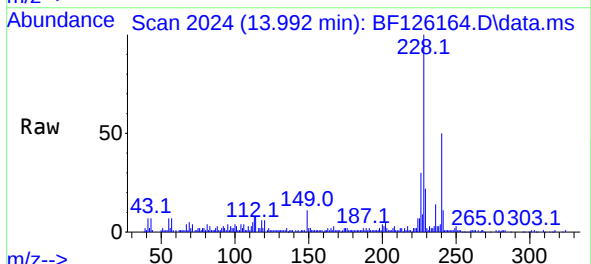
APPROVED

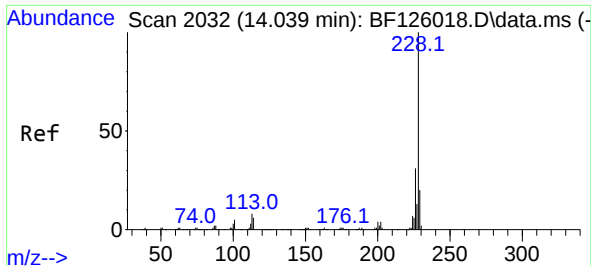
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#81
Benzo(a)anthracene
Concen: 3.689 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

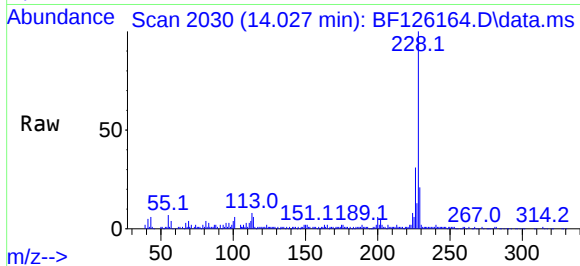
Tgt Ion:228 Resp: 97981
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.9 15.6 23.4





#83
Chrysene
Concen: 3.770 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

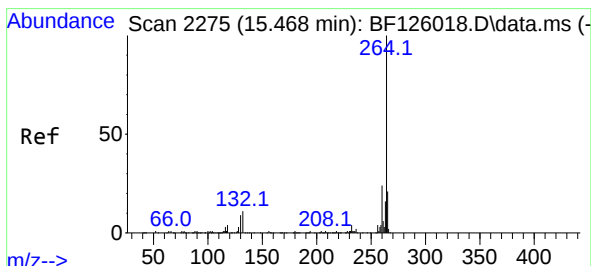
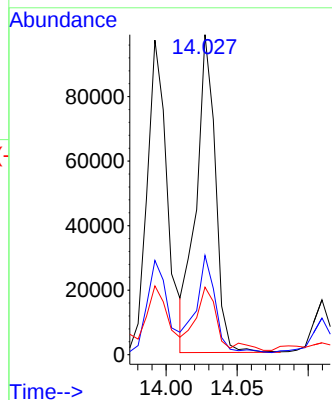
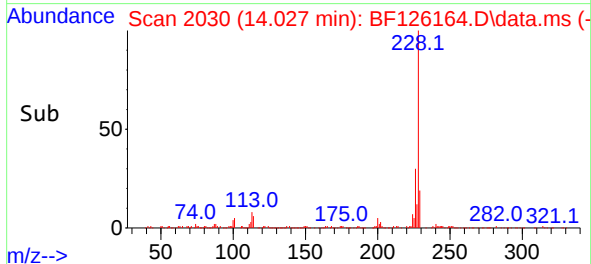
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5



Tgt Ion:228 Resp: 9315
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 21.1 15.9 23.9

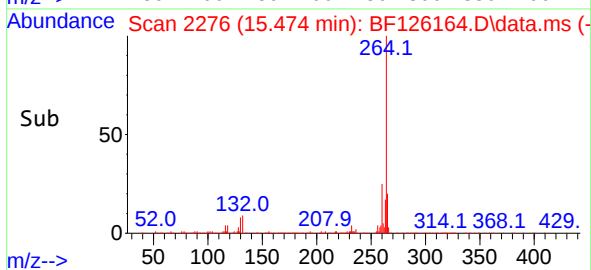
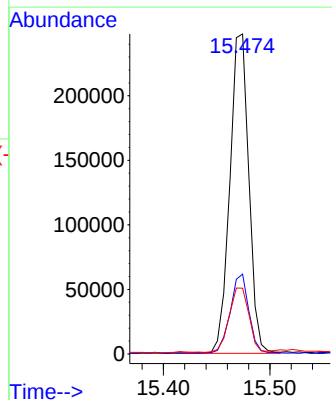
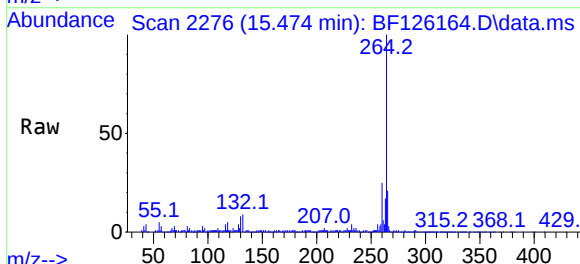
Manual Integrations
APPROVED

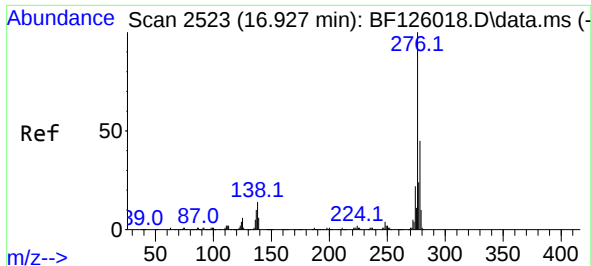
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

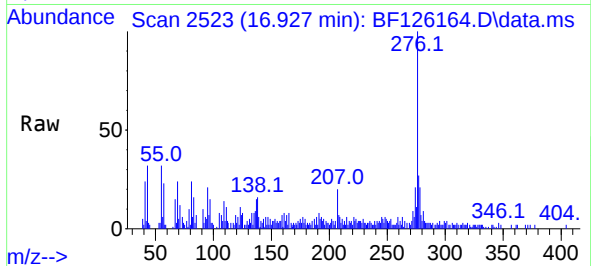
Tgt Ion:264 Resp: 307699
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 20.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.217 ng
RT: 16.927 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

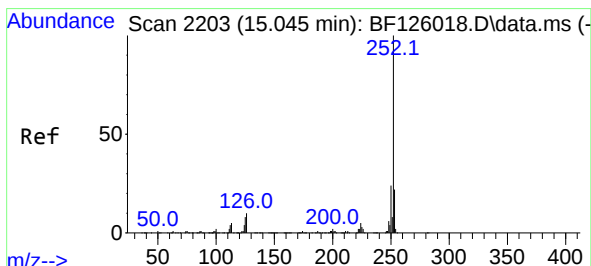
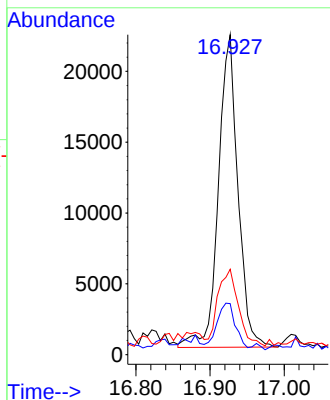
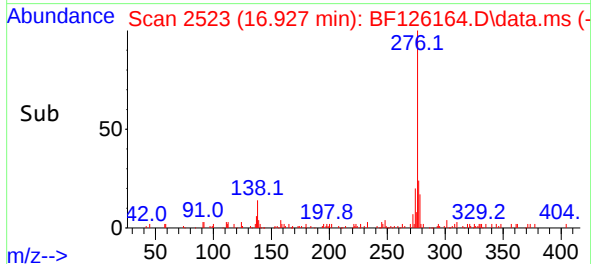
Instrument :
BNA_F
ClientSampleId :
TT-6/4-5



Tgt Ion:276 Resp: 4037
Ion Ratio Lower Upper
276 100
138 13.0 24.1 36.1
277 25.8 18.8 28.2

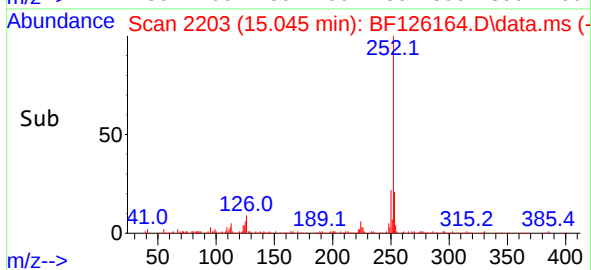
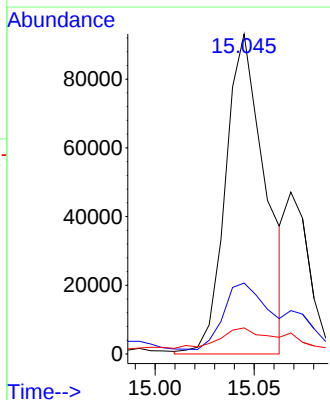
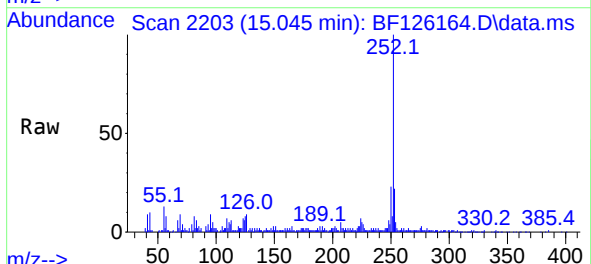
Manual Integrations
APPROVED

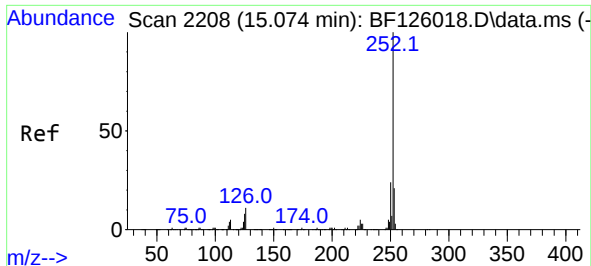
Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#88
Benzo(b)fluoranthene
Concen: 6.457 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Tgt Ion:252 Resp: 129231
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 8.2 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 2.036 ng m

RT: 15.068 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

Instrument :

BNA_F

ClientSampleId :

TT-6/4-5

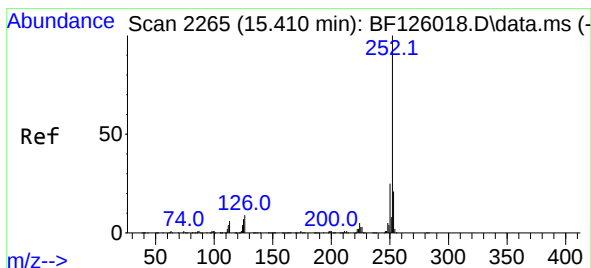
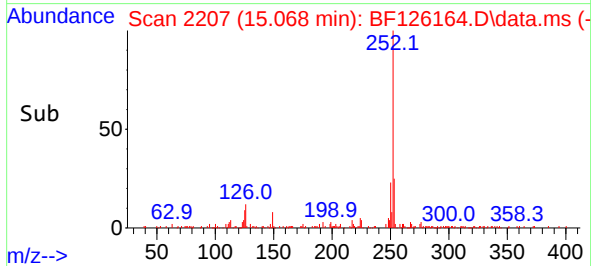
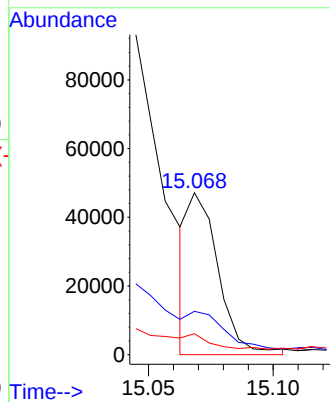
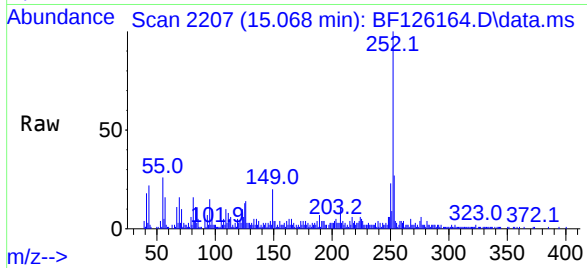
Tgt Ion:252 Resp: 3953

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.8	26.8
125	12.9	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021



#90

Benzo(a)pyrene

Concen: 5.348 ng m

RT: 15.404 min Scan# 2264

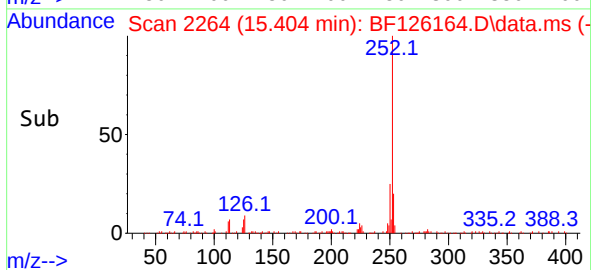
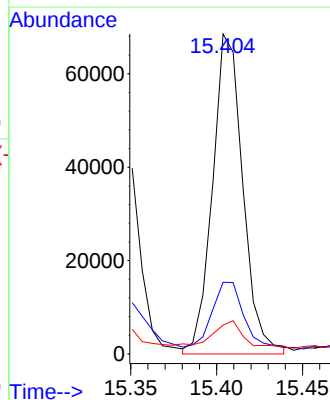
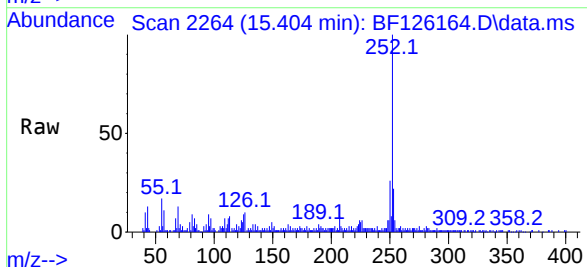
Delta R.T. -0.006 min

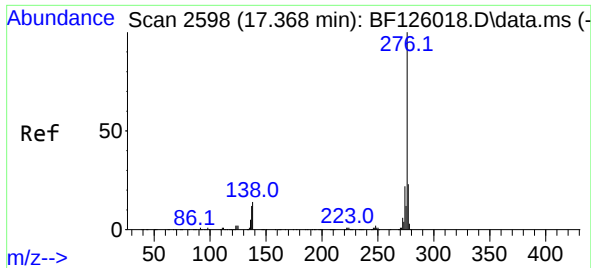
Lab File: BF126164.D

Acq: 12 Nov 2021 21:12

Tgt Ion:252 Resp: 84335

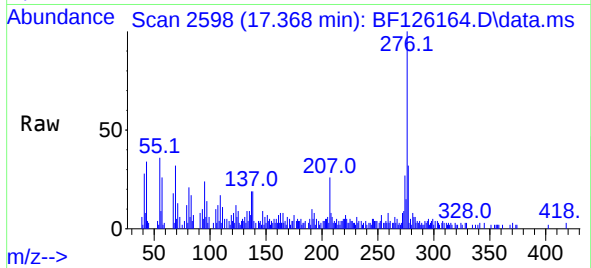
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	9.0	9.9	14.9





#92
Benzo(g,h,i)perylene
Concen: 2.633 ng
RT: 17.368 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126164.D
Acq: 12 Nov 2021 21:12

Instrument :
BNA_F
ClientSampleId :
TT-6/4-5



Tgt Ion: 276 Resp: 3777

Ion	Ratio	Lower	Upper
276	100		
277	32.3	22.0	33.0
138	19.1	22.2	33.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/15/2021
Supervised By :mohammad ahmed 11/17/2021

