

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126136.D
 Acq On : 11 Nov 2021 20:55
 Operator : JU/CG
 Sample : M4630-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13N-5.0

Quant Time: Nov 12 09:43:20 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 11/12/2021
 Supervised By :mohammad ahmed 11/17/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	136751	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	503426	20.000	ng	#-0.02
39) Acenaphthene-d10	9.880	164	293965	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	536630	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	387080	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	409295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	685383	86.068	ng	0.00
7) Phenol-d6	6.469	99	917930	81.771	ng	-0.02
23) Nitrobenzene-d5	7.398	82	662234	62.037	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	274726	81.549	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	1162161	53.425	ng	-0.02
79) Terphenyl-d14	12.951	244	1151987	47.991	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	422632	14.523	ng	97
72) Anthracene	11.439	178	84157	2.897	ng	97
75) Fluoranthene	12.574	202	710845	21.935	ng	96
78) Pyrene	12.804	202	646624	20.831	ng	96
81) Benzo(a)anthracene	13.992	228	288151	10.836	ng	96
83) Chrysene	14.027	228	246373	9.957	ng	95
87) Indeno(1,2,3-cd)pyrene	16.915	276	158927	6.560	ng	# 83
88) Benzo(b)fluoranthene	15.045	252	336119m	12.625	ng	
89) Benzo(k)fluoranthene	15.068	252	123531m	4.783	ng	
90) Benzo(a)pyrene	15.403	252	250125m	11.925	ng	
92) Benzo(g,h,i)perylene	17.356	276	138522	7.259	ng	# 80

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

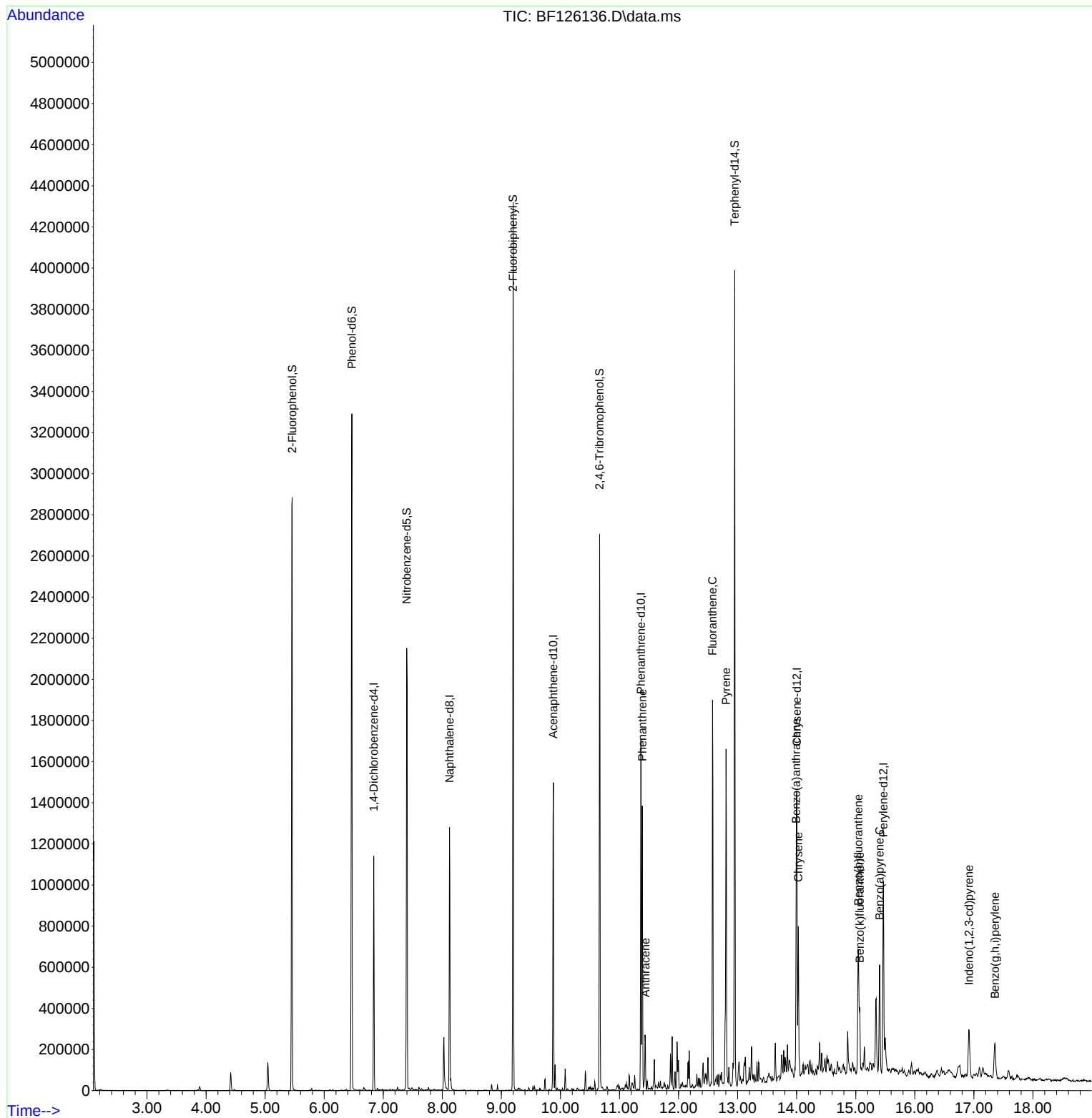
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
Data File : BF126136.D
Acq On : 11 Nov 2021 20:55
Operator : JU/CG
Sample : M4630-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

Quant Time: Nov 12 09:43:20 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

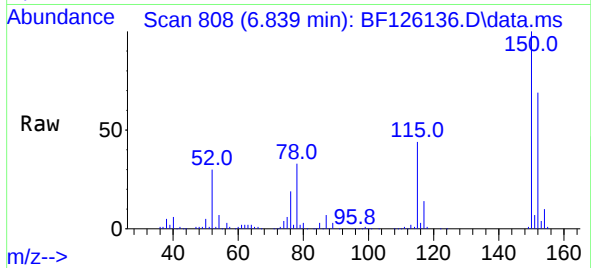
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

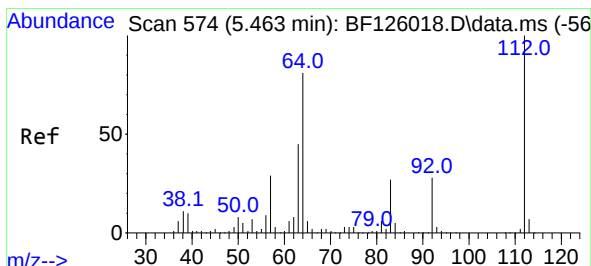
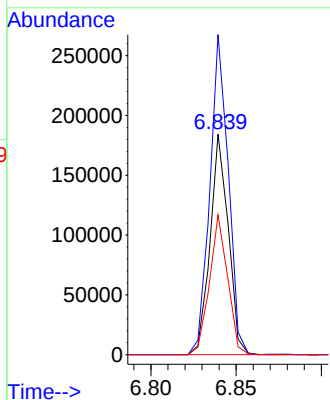
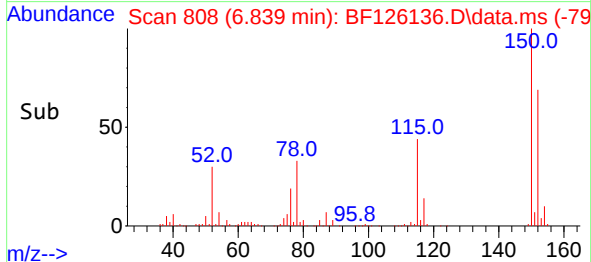
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0



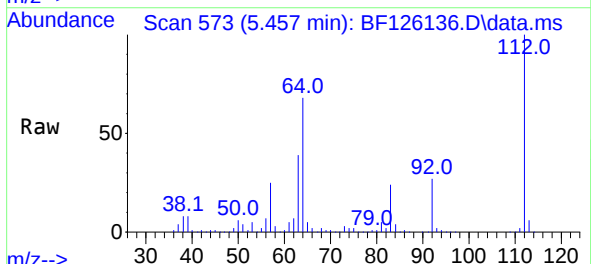
Tgt Ion:152 Resp: 13675
Ion Ratio Lower Upper
152 100
150 145.1 117.6 176.4
115 63.4 47.1 70.7

Manual Integrations
APPROVED

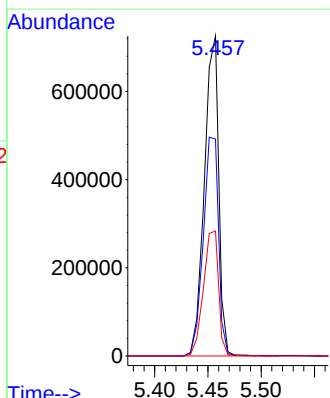
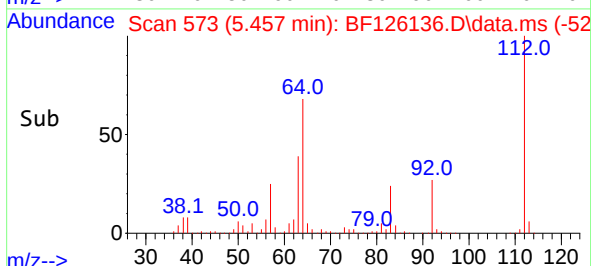
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

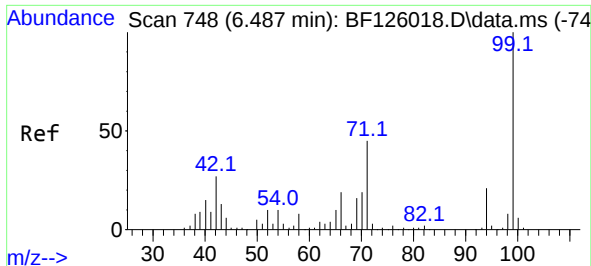


#5
2-Fluorophenol
Concen: 86.068 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



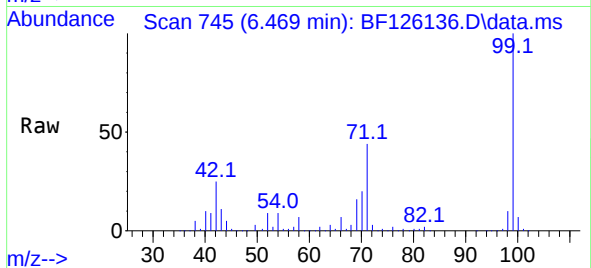
Tgt Ion:112 Resp: 685383
Ion Ratio Lower Upper
112 100
64 67.8 44.2 66.2#
63 39.0 26.2 39.2





#7
Phenol-d6
Concen: 81.771 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

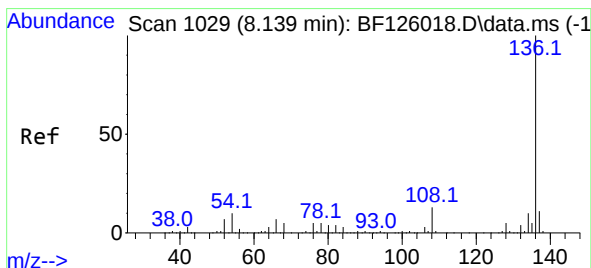
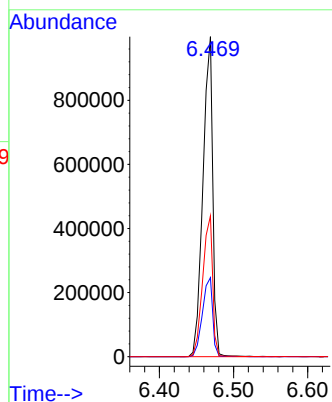
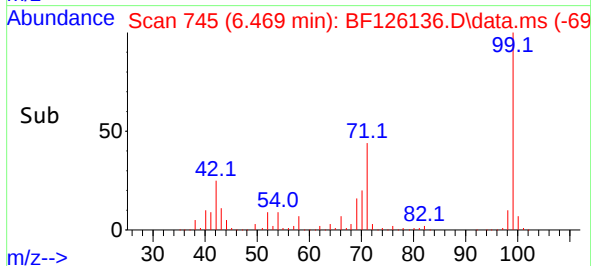
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0



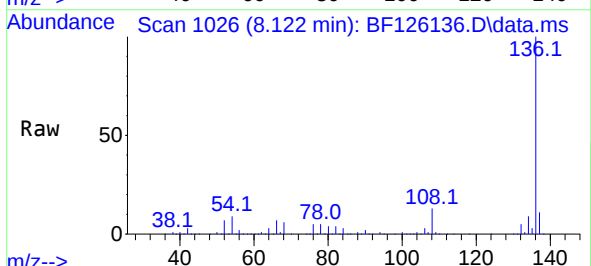
Tgt Ion: 99 Resp: 917930
Ion Ratio Lower Upper
99 100
42 24.7 23.5 35.3
71 44.0 25.6 38.4

Manual Integrations
APPROVED

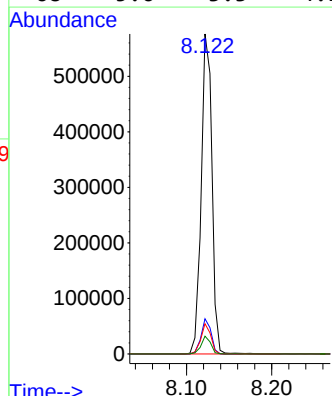
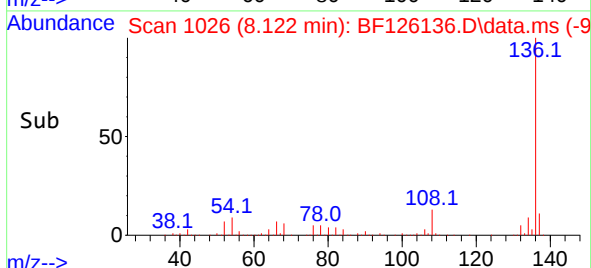
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.017 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



Tgt Ion:136 Resp: 503426
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.4 6.4 9.6
68 5.6 3.3 4.9





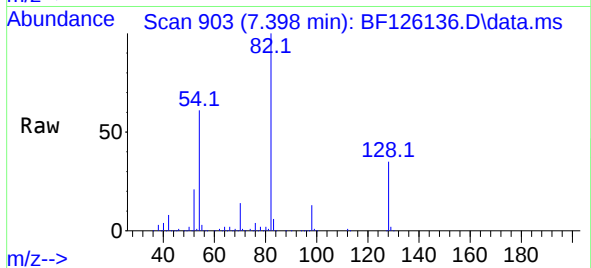
#23
Nitrobenzene-d5
Concen: 62.037 ng
RT: 7.398 min Scan# 907
Delta R.T. -0.024 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

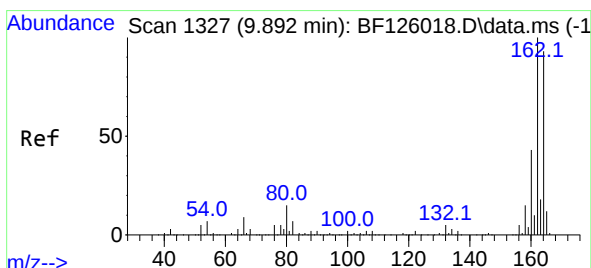
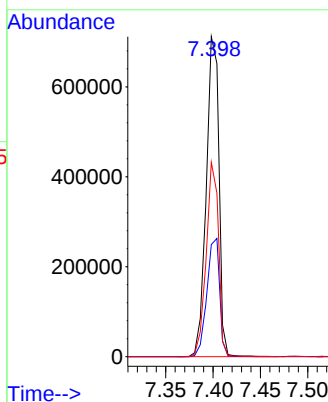
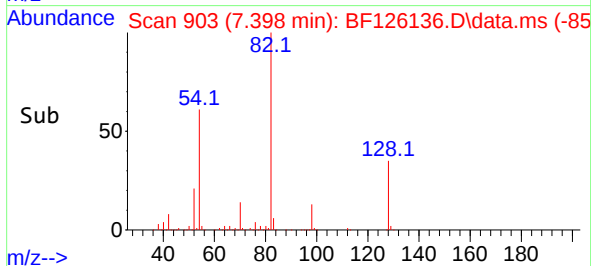


Tgt Ion: 82 Resp: 662234
Ion Ratio Lower Upper
82 100
128 35.0 40.6 60.8
54 60.8 49.6 74.4

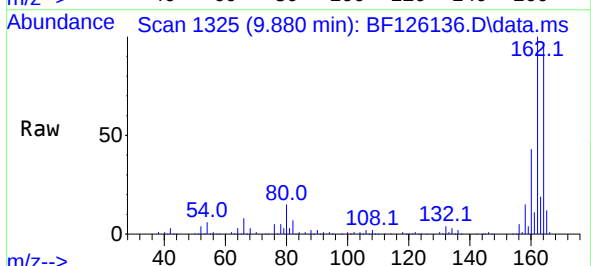
Manual Integrations

APPROVED

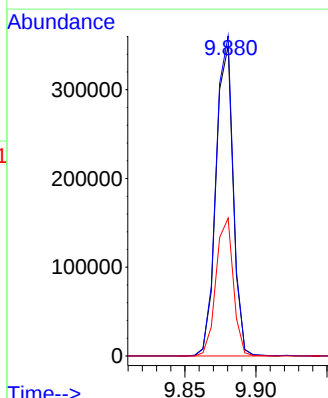
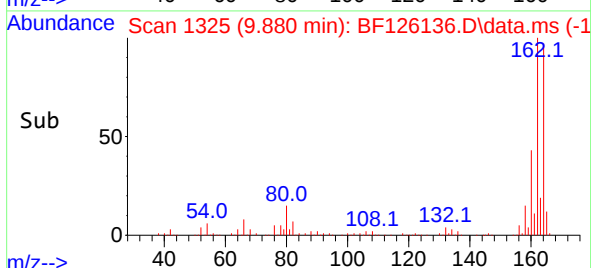
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

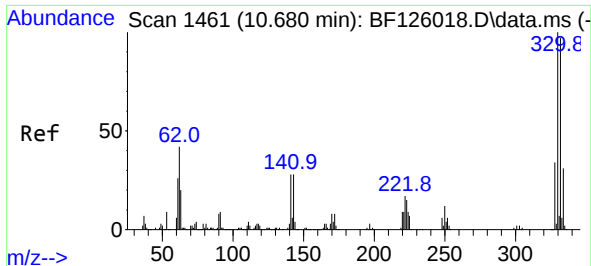


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



Tgt Ion:164 Resp: 293965
Ion Ratio Lower Upper
164 100
162 103.2 81.3 121.9
160 44.4 38.0 57.0





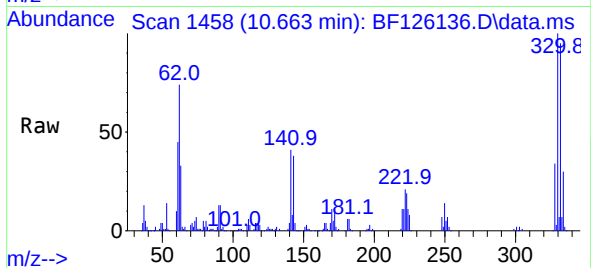
#42
2,4,6-Tribromophenol
Concen: 81.549 ng
RT: 10.663 min Scan# 1461
Delta R.T. -0.018 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

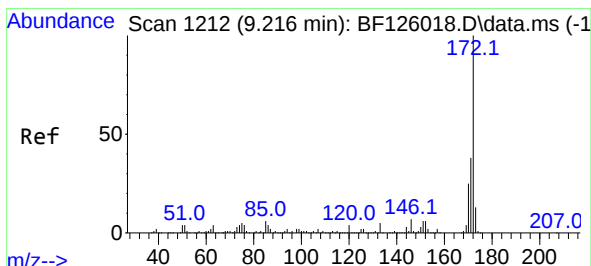
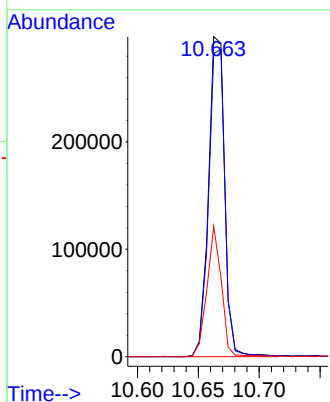
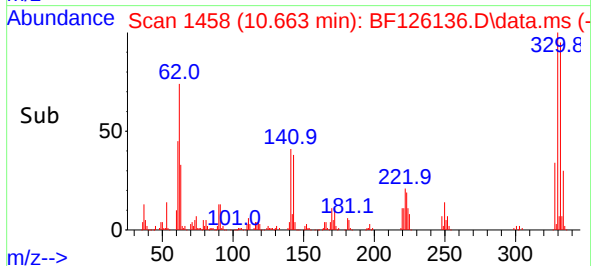


Tgt Ion:330 Resp: 274720
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 36.6 44.6 66.8

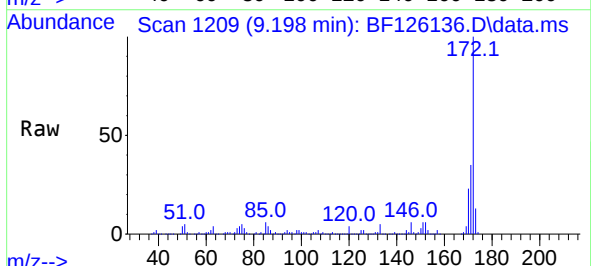
Manual Integrations

APPROVED

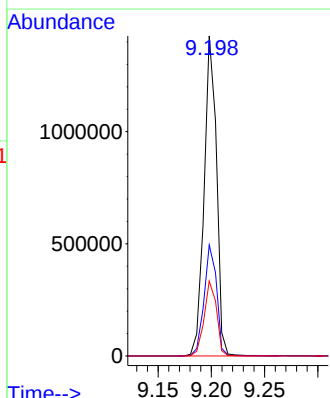
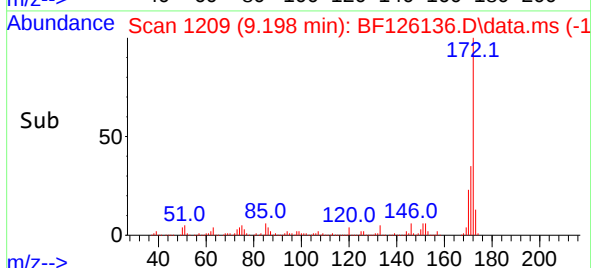
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

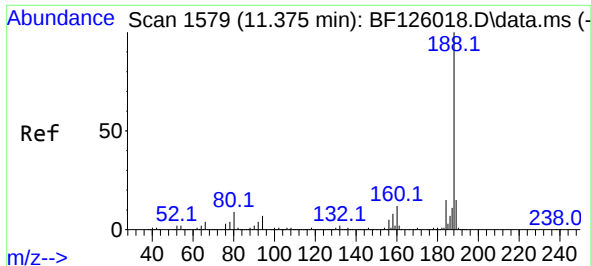


#45
2-Fluorobiphenyl
Concen: 53.425 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.018 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



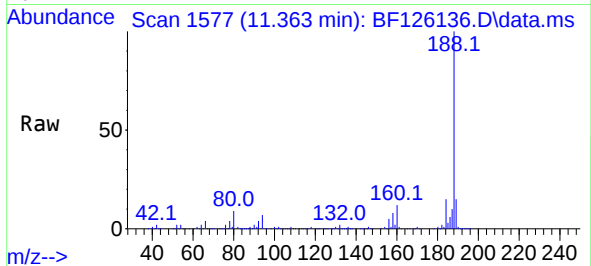
Tgt Ion:172 Resp: 1162161
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 23.4 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

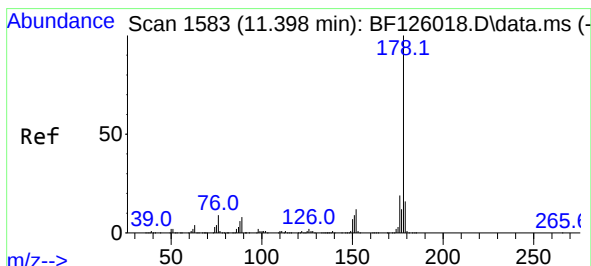
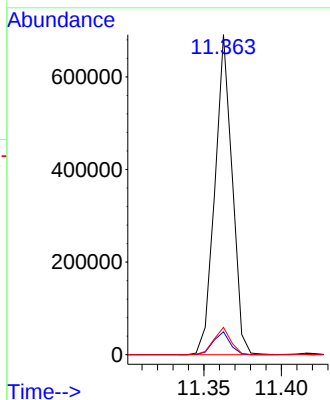
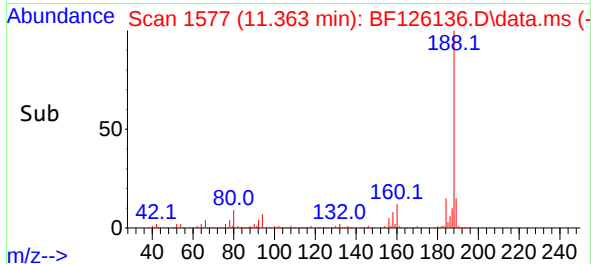
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0



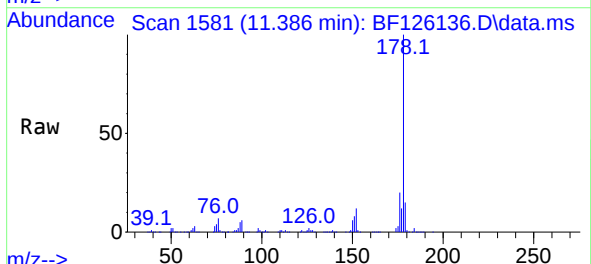
Tgt Ion:188 Resp: 536630
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 8.5 7.5 11.3

Manual Integrations
APPROVED

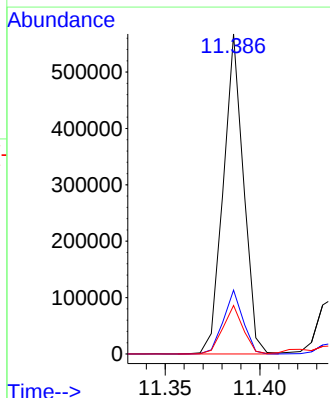
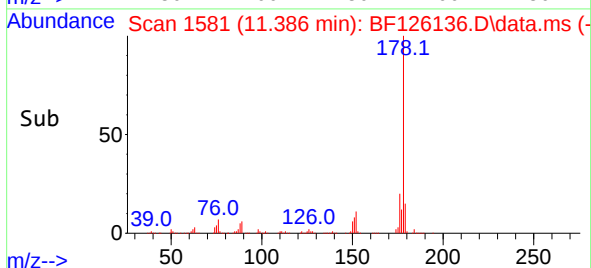
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

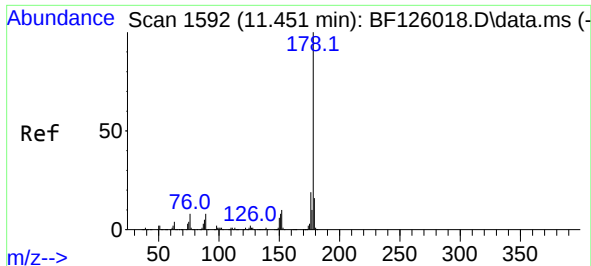


#71
Phenanthrene
Concen: 14.523 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



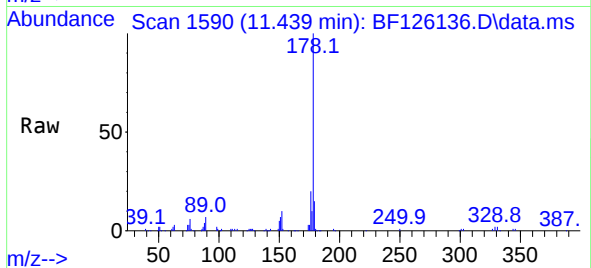
Tgt Ion:178 Resp: 422632
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 15.2 11.5 17.3





#72
 Anthracene
 Concen: 2.897 ng
 RT: 11.439 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126136.D
 Acq: 11 Nov 2021 20:55

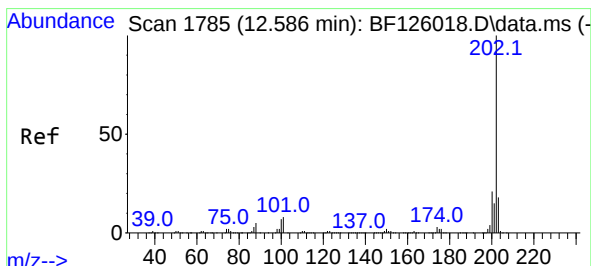
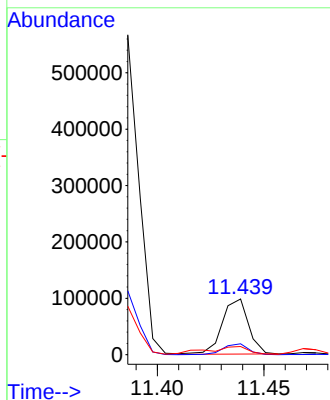
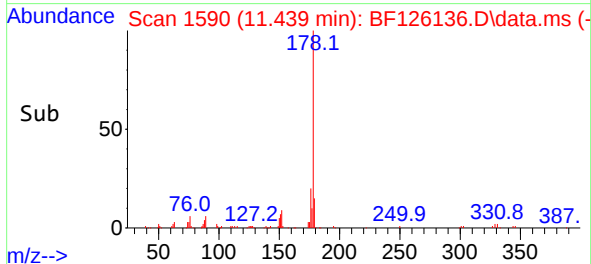
Instrument :
 BNA_F
 ClientSampleId :
 SB-13N-5.0



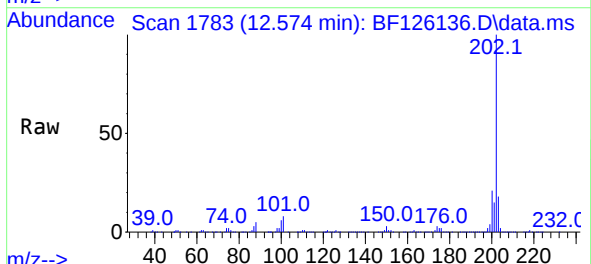
Tgt Ion:178 Resp: 8415
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.3 21.5
 179 14.8 12.2 18.4

Manual Integrations
 APPROVED

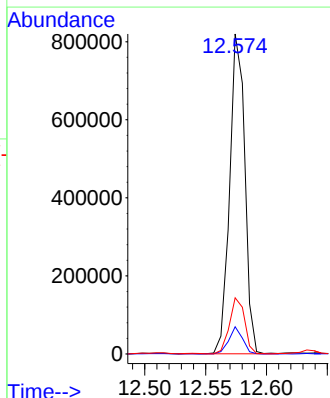
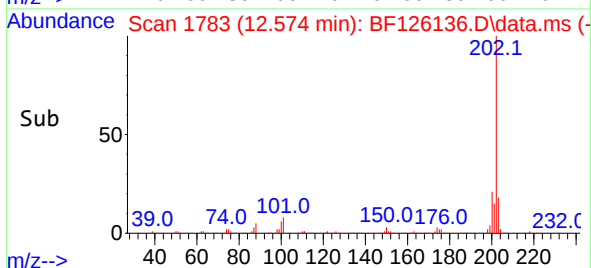
Reviewed By :Jagrut Upadhyay 11/12/2021
 Supervised By :mohammad ahmed 11/17/2021

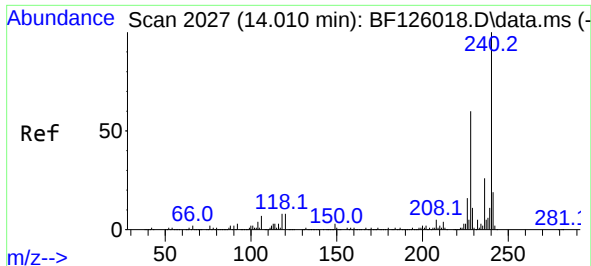


#75
 Fluoranthene
 Concen: 21.935 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.012 min
 Lab File: BF126136.D
 Acq: 11 Nov 2021 20:55



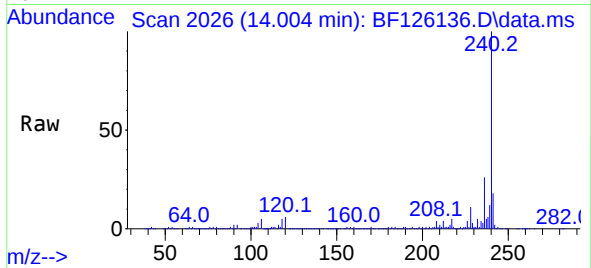
Tgt Ion:202 Resp: 710845
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 30.7
 203 17.6 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

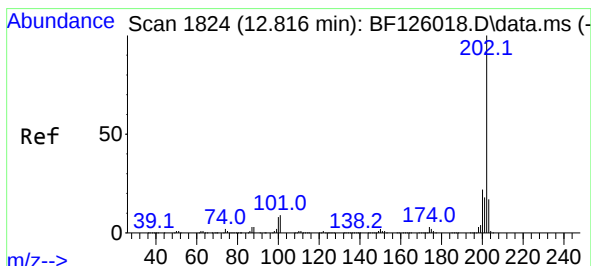
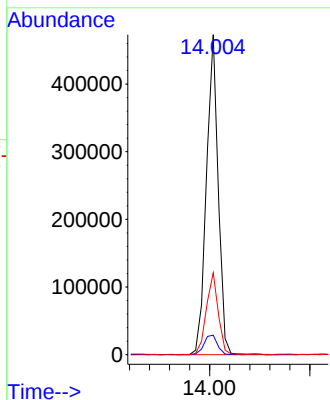
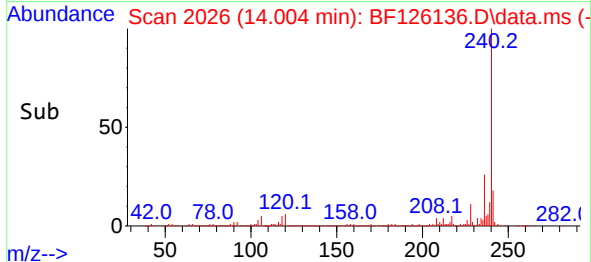
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0



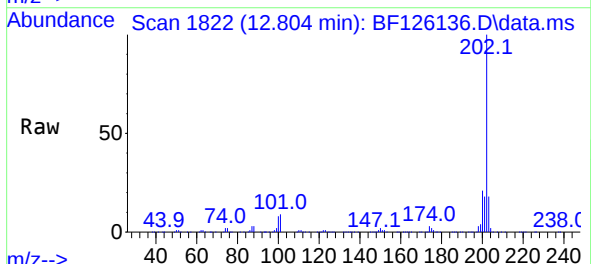
Tgt Ion:240 Resp: 387080
Ion Ratio Lower Upper
240 100
120 6.1 10.8 16.2
236 25.6 21.6 32.4

Manual Integrations
APPROVED

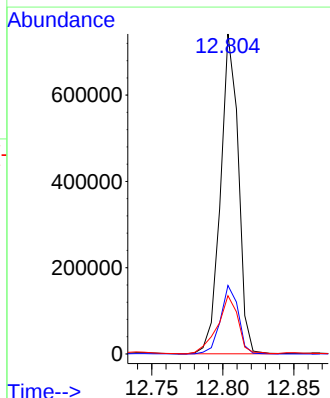
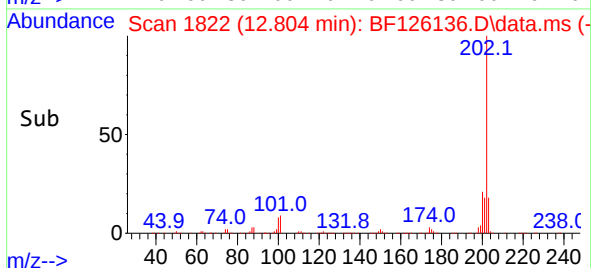
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

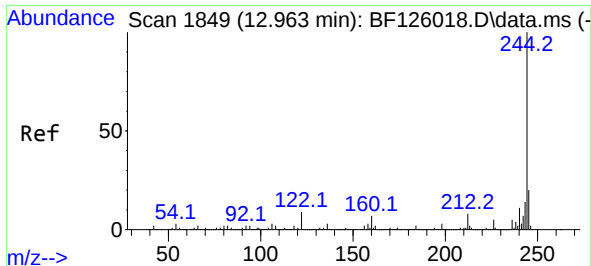


#78
Pyrene
Concen: 20.831 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



Tgt Ion:202 Resp: 646624
Ion Ratio Lower Upper
202 100
200 21.4 15.3 22.9
203 18.2 13.4 20.0





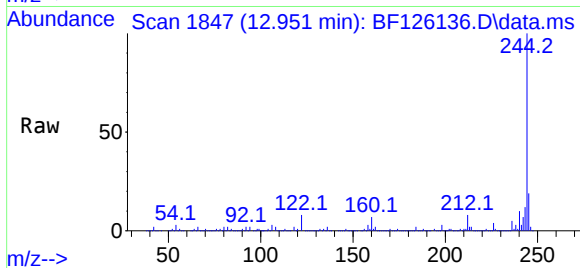
#79
Terphenyl-d14
Concen: 47.991 ng
RT: 12.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Instrument :

BNA_F

ClientSampleId :

SB-13N-5.0

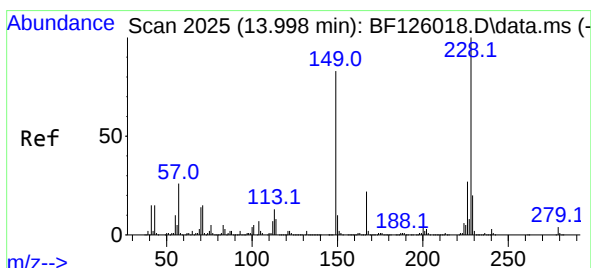
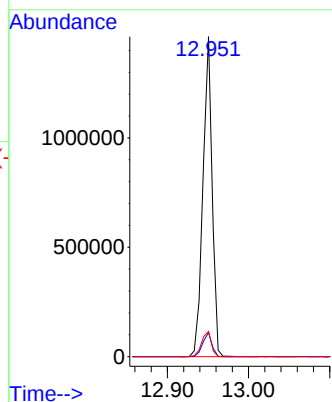
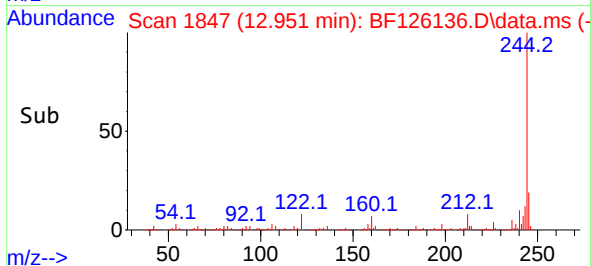


Tgt Ion:244 Resp: 115198
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 7.9 9.0 13.4

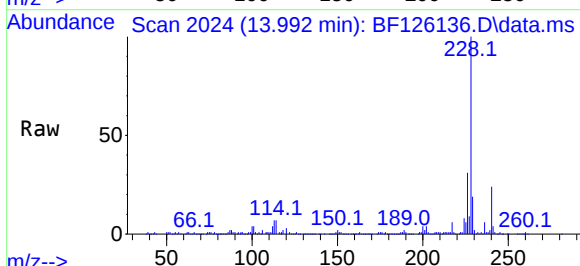
Manual Integrations

APPROVED

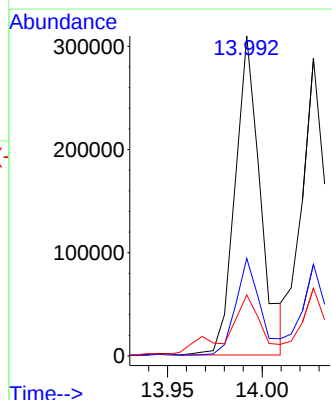
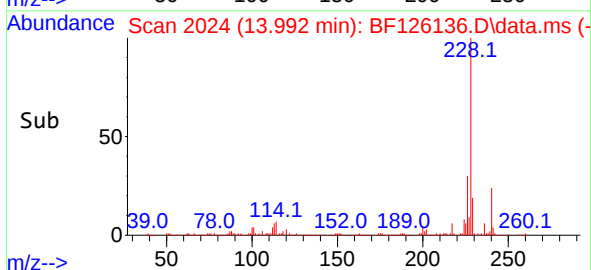
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

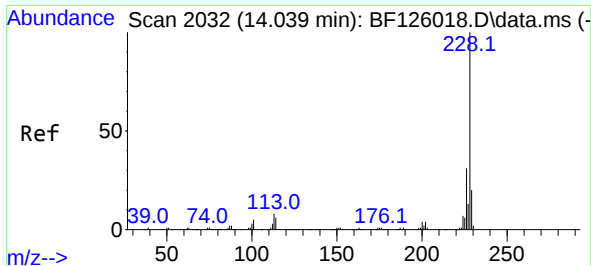


#81
Benzo(a)anthracene
Concen: 10.836 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



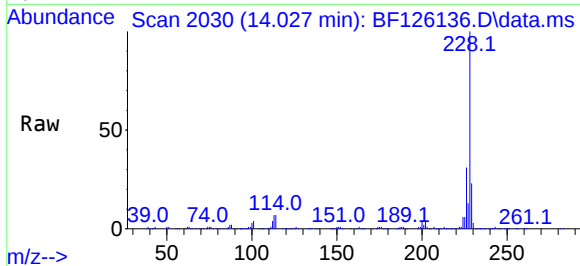
Tgt Ion:228 Resp: 288151
Ion Ratio Lower Upper
228 100
226 30.5 21.6 32.4
229 19.1 15.6 23.4





#83
Chrysene
Concen: 9.957 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

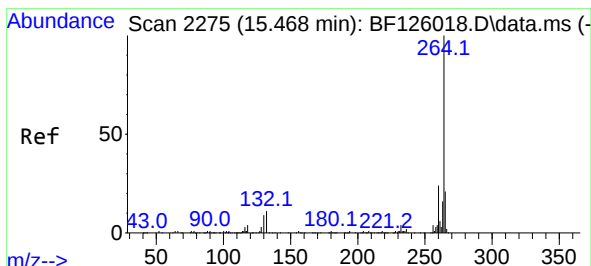
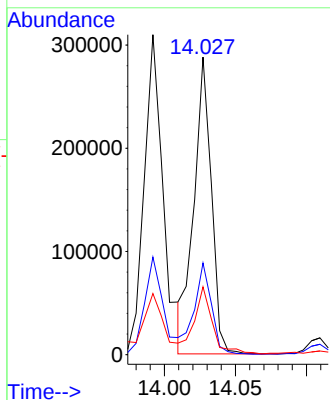
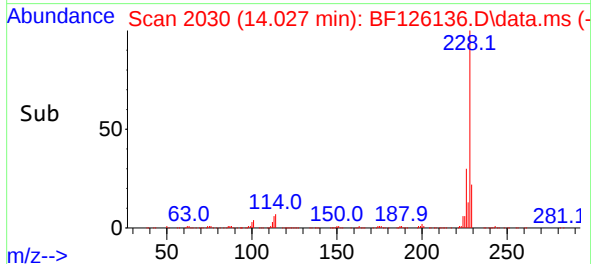
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0



Tgt Ion:228 Resp: 24637
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 22.8 15.9 23.9

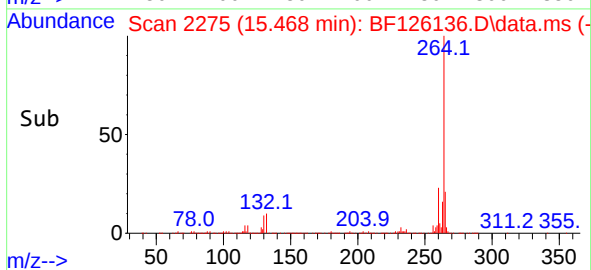
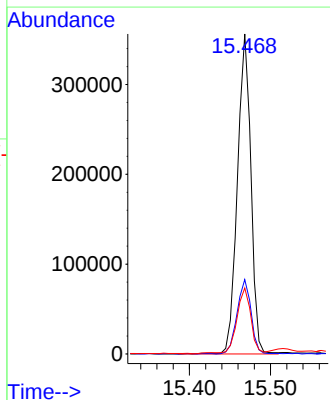
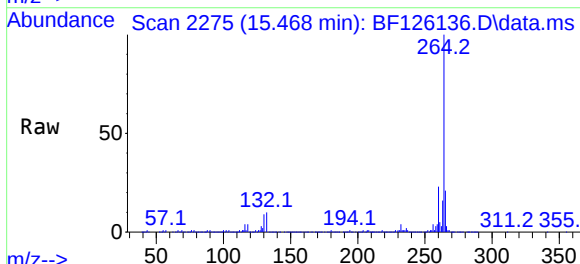
Manual Integrations
APPROVED

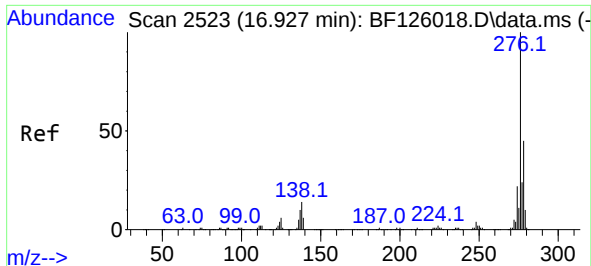
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

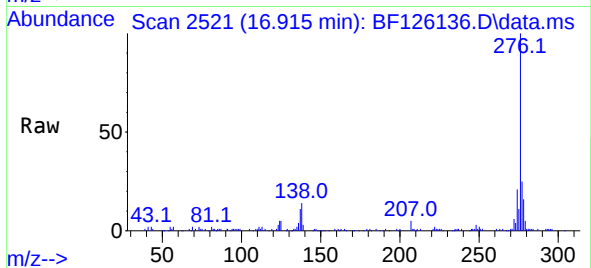
Tgt Ion:264 Resp: 409295
Ion Ratio Lower Upper
264 100
260 23.2 19.6 29.4
265 20.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.560 ng
RT: 16.915 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

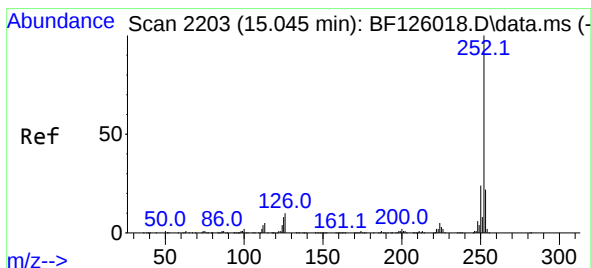
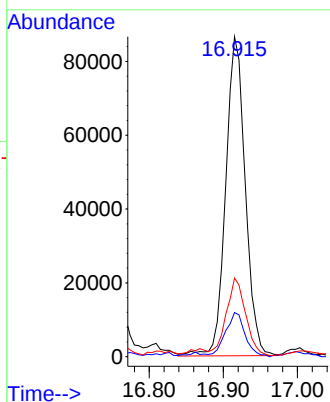
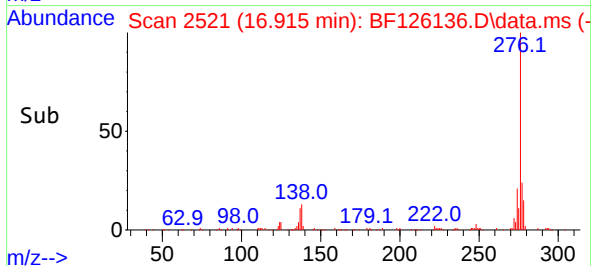
Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0



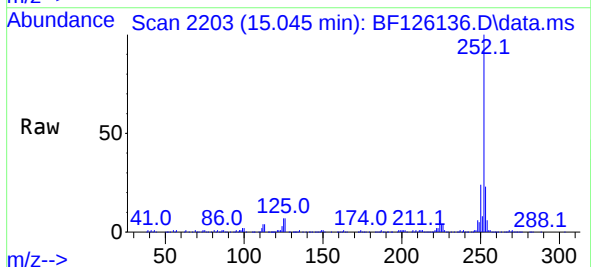
Tgt Ion:276 Resp: 15892
Ion Ratio Lower Upper
276 100
138 13.8 24.1 36.1
277 23.8 18.8 28.2

Manual Integrations
APPROVED

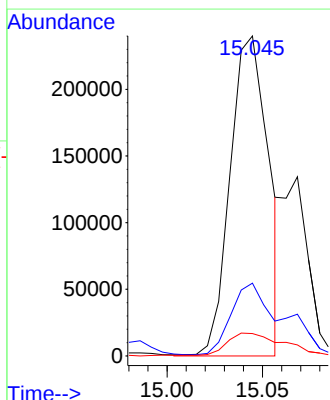
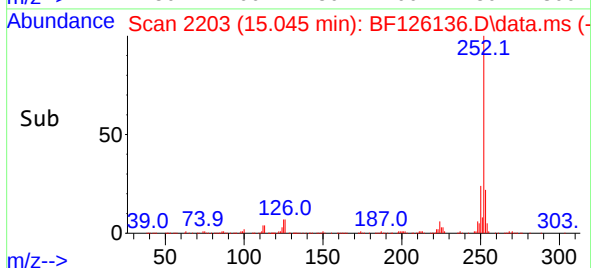
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

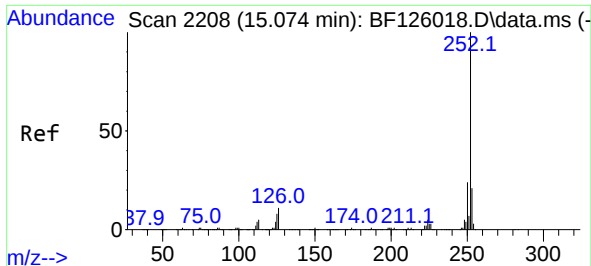


#88
Benzo(b)fluoranthene
Concen: 12.625 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55



Tgt Ion:252 Resp: 336119
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 7.0 9.8 14.8#





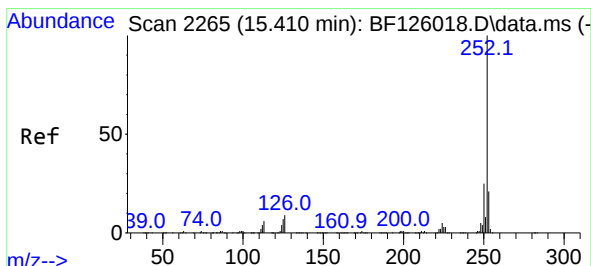
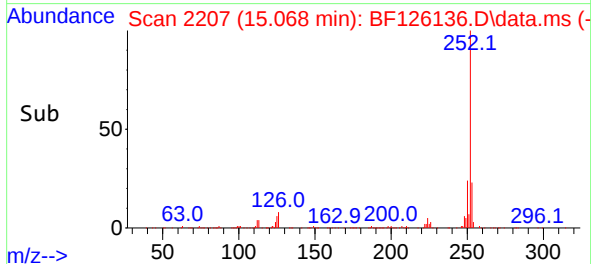
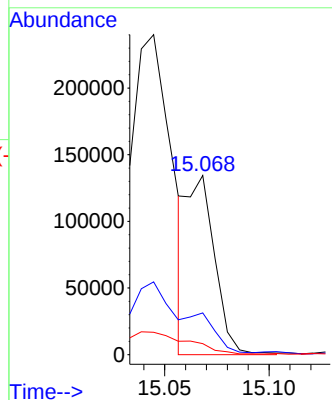
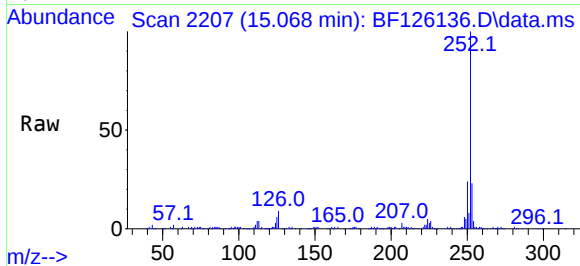
#89
Benzo(k)fluoranthene
Concen: 4.783 ng m
RT: 15.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

Tgt Ion:252 Resp: 12353
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 6.2 7.2 10.8

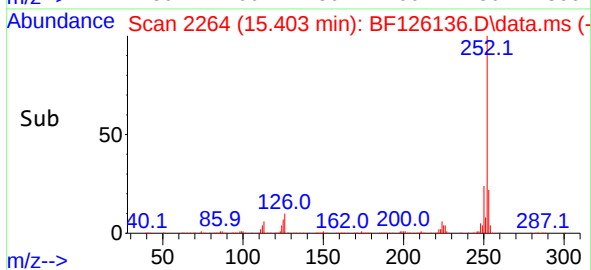
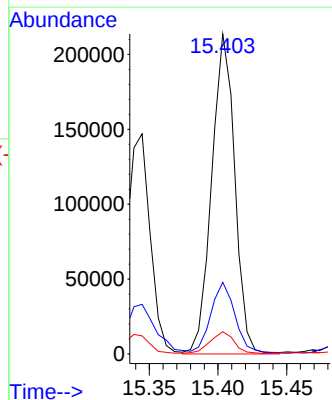
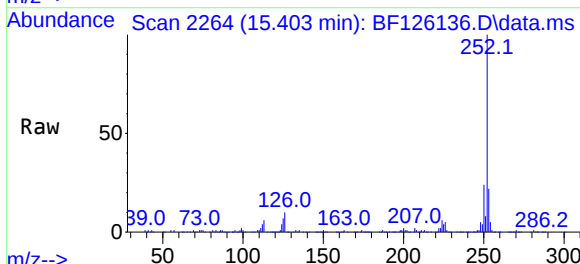
Manual Integrations
APPROVED

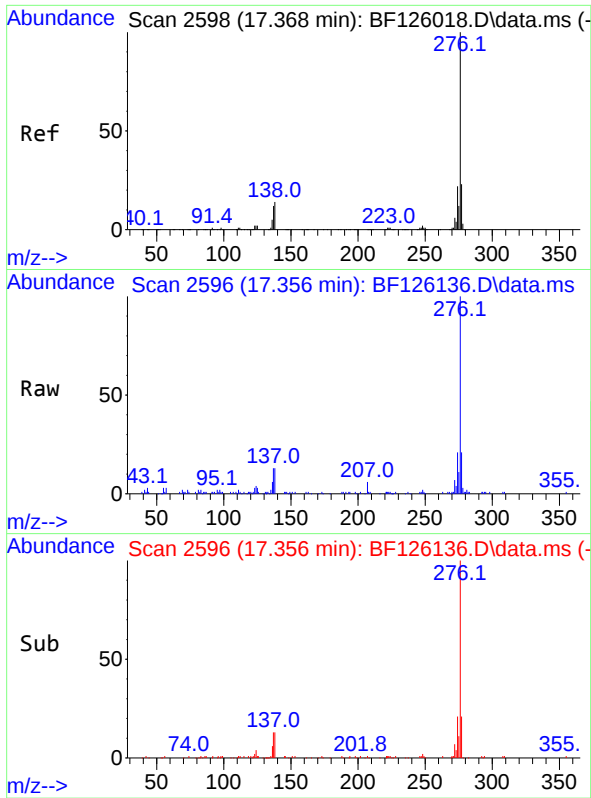
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#90
Benzo(a)pyrene
Concen: 11.925 ng m
RT: 15.403 min Scan# 2264
Delta R.T. -0.007 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Tgt Ion:252 Resp: 250125
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 6.9 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 7.259 ng
RT: 17.356 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF126136.D
Acq: 11 Nov 2021 20:55

Instrument :
BNA_F
ClientSampleId :
SB-13N-5.0

Tgt Ion:276 Resp: 13852
Ion Ratio Lower Upper
276 100
277 21.4 22.0 33.0
138 12.8 22.2 33.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

