

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
 Data File : BF126927.D
 Acq On : 17 Feb 2022 15:21
 Operator : CG\JU
 Sample : N1564-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/18/2022
 Supervised By : Jagrut Upadhyay 02/18/2022

Quant Time: Feb 17 17:09:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	110248	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	453626	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	234866	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	407493	20.000	ng	0.00
76) Chrysene-d12	14.104	240	208996	20.000	ng	# 0.00
86) Perylene-d12	15.604	264	184323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	893230	125.222	ng	0.01
7) Phenol-d6	6.551	99	1206323	125.330	ng	0.00
23) Nitrobenzene-d5	7.492	82	854428	85.018	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	359605	132.982	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1369950	85.869	ng	0.00
79) Terphenyl-d14	13.051	244	1429872	100.575	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.480	178	301537	13.221	ng	99
72) Anthracene	11.533	178	59716	2.630	ng	98
75) Fluoranthene	12.674	202	437491	20.201	ng	95
78) Pyrene	12.904	202	356711	19.646	ng	99
81) Benzo(a)anthracene	14.092	228	149272	10.594	ng	99
83) Chrysene	14.127	228	119353	9.008	ng	97
87) Indeno(1,2,3-cd)pyrene	17.127	276	59027	4.884	ng	# 85
88) Benzo(b)fluoranthene	15.157	252	141624m	11.440	ng	
89) Benzo(k)fluoranthene	15.186	252	37939m	3.177	ng	
90) Benzo(a)pyrene	15.539	252	90221m	9.330	ng	
92) Benzo(g,h,i)perylene	17.592	276	54749	5.556	ng	# 90

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

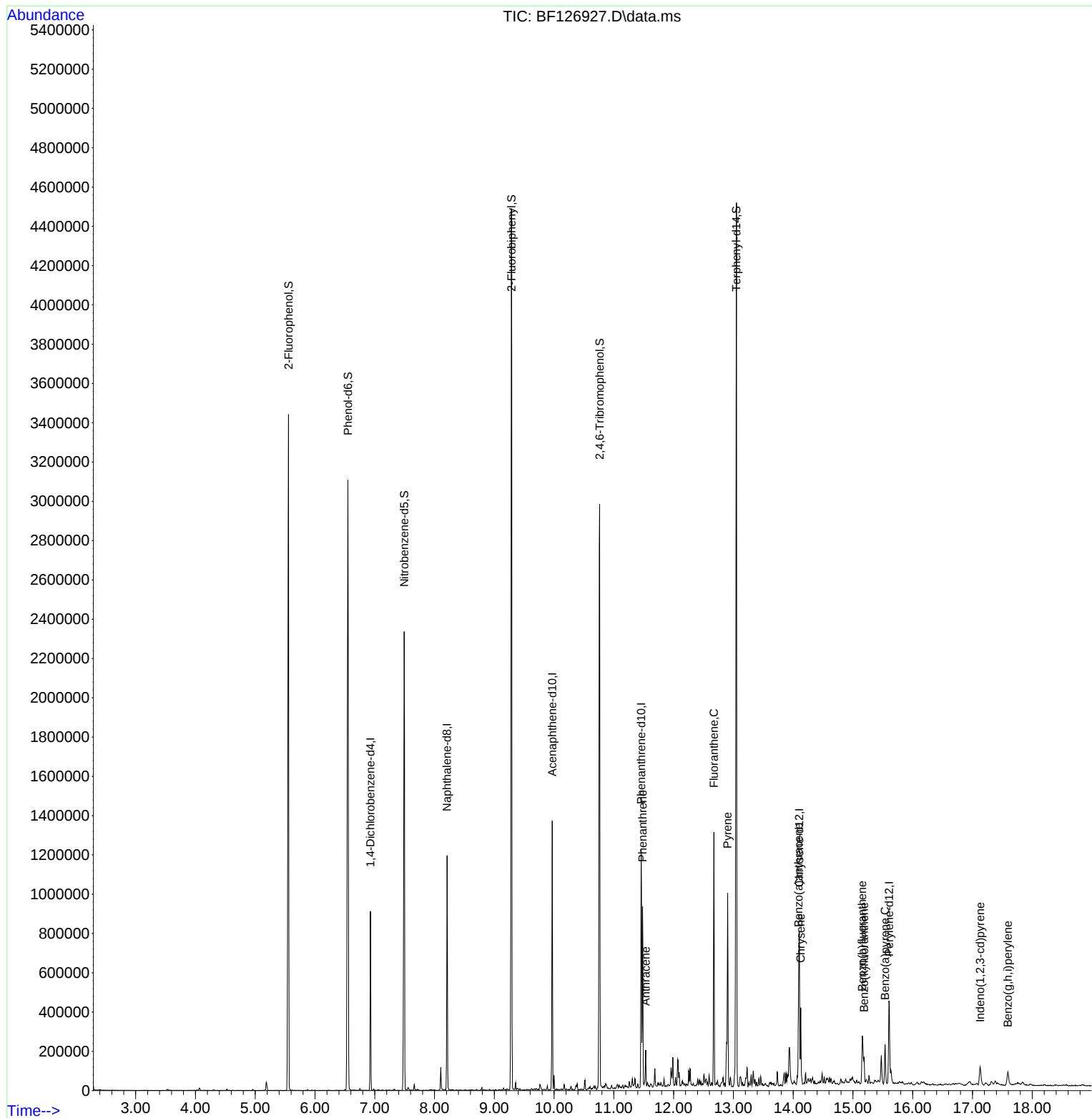
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126927.D
Acq On : 17 Feb 2022 15:21
Operator : CG\JU
Sample : N1564-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: Feb 17 17:09:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 16 14:55:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

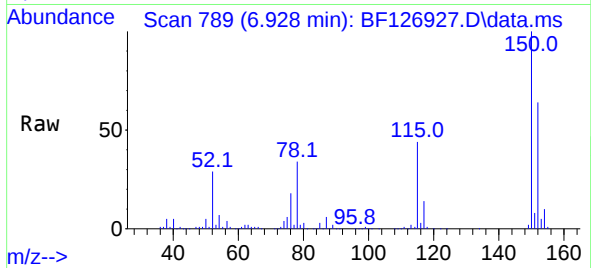
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

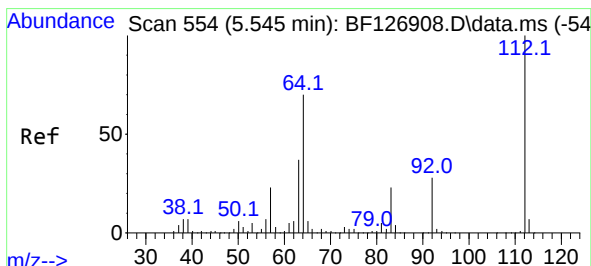
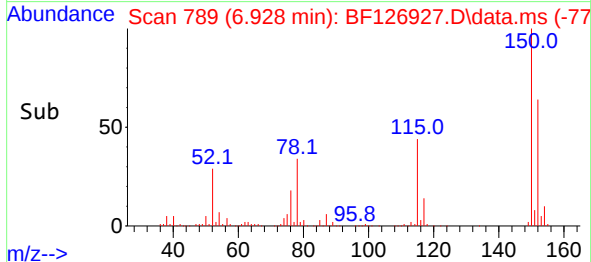
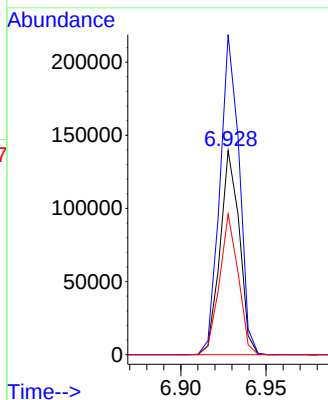
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 110248
Ion Ratio Lower Upper
152 100
150 156.7 128.1 192.1
115 68.9 56.7 85.1

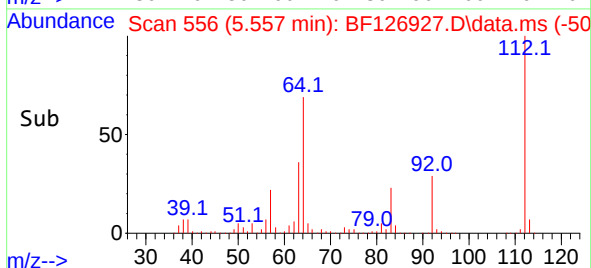
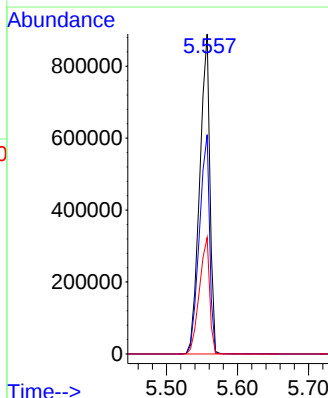
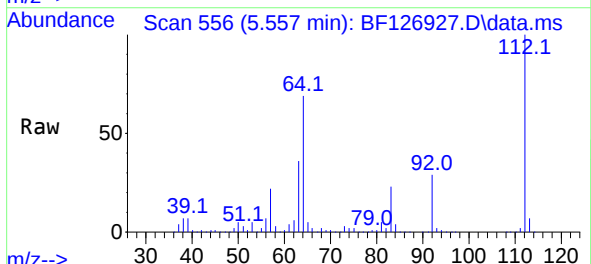
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#5
2-Fluorophenol
Concen: 125.222 ng
RT: 5.557 min Scan# 556
Delta R.T. 0.012 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

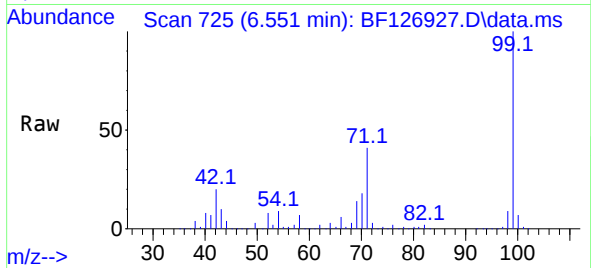
Tgt Ion:112 Resp: 893230
Ion Ratio Lower Upper
112 100
64 68.5 49.5 74.3
63 36.4 23.9 35.9





#7
Phenol-d6
Concen: 125.330 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

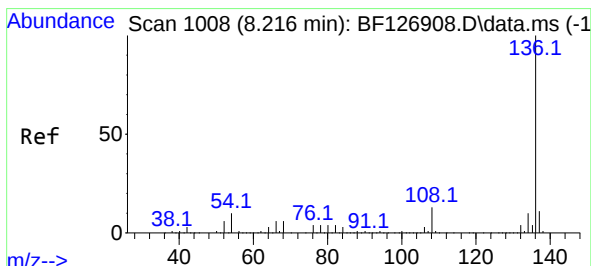
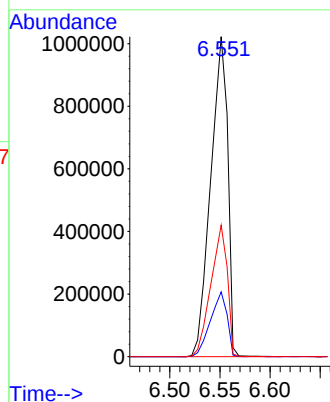
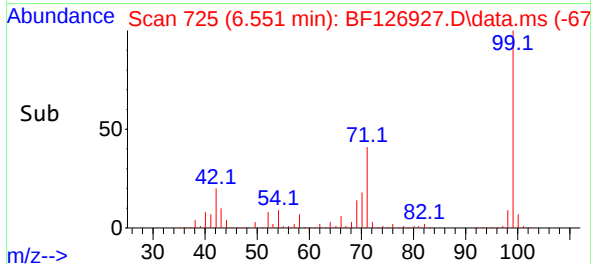
Instrument :
BNA_F
ClientSampleId :
TP-3



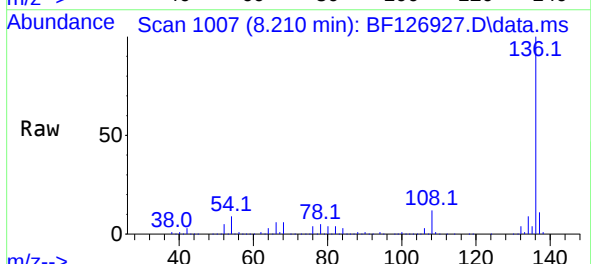
Tgt Ion: 99 Resp: 120632
Ion Ratio Lower Upper
99 100
42 20.2 14.2 21.4
71 41.1 24.3 36.5

Manual Integrations
APPROVED

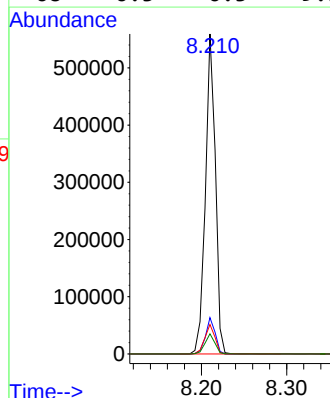
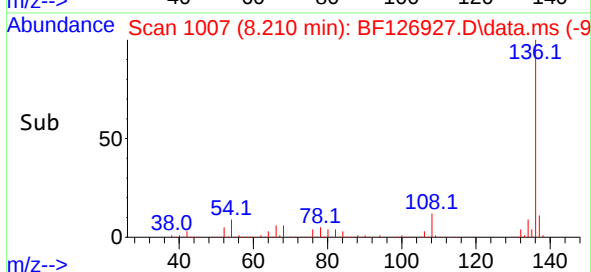
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21



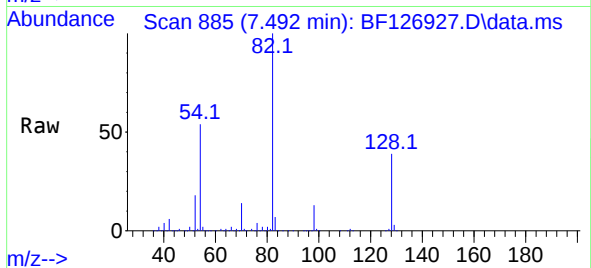
Tgt Ion:136 Resp: 453626
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.2 7.8 11.6
68 6.3 6.3 9.5





#23
Nitrobenzene-d5
Concen: 85.018 ng
RT: 7.492 min Scan# 854428
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

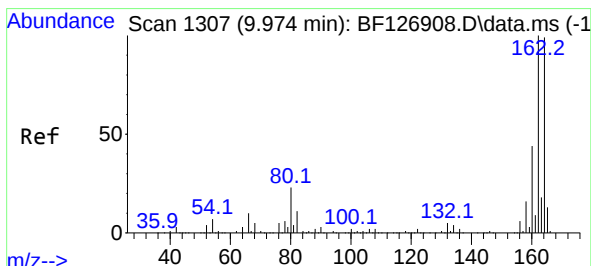
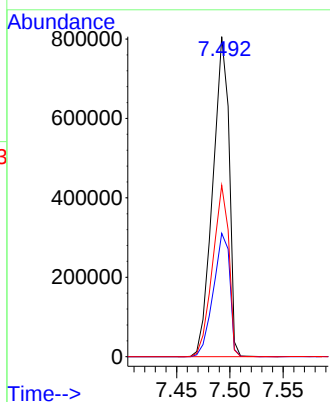
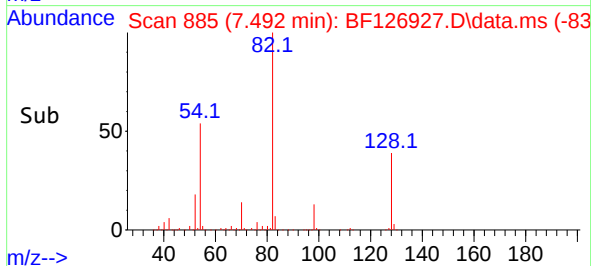
Instrument :
BNA_F
ClientSampleId :
TP-3



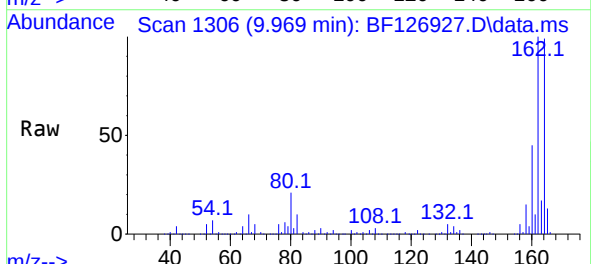
Tgt Ion: 82 Resp: 854428
Ion Ratio Lower Upper
82 100
128 38.5 32.7 49.1
54 53.5 41.7 62.5

Manual Integrations
APPROVED

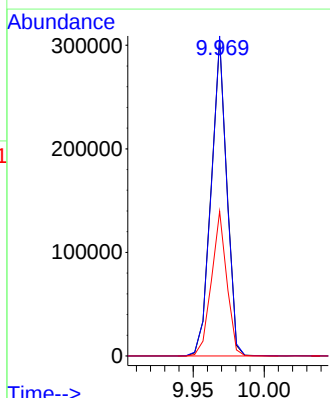
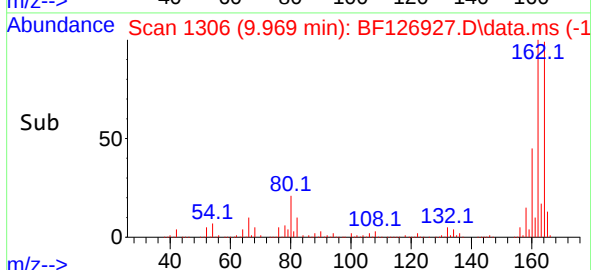
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21



Tgt Ion:164 Resp: 234866
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 45.7 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 132.982 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

Instrument :

BNA_F

ClientSampleId :

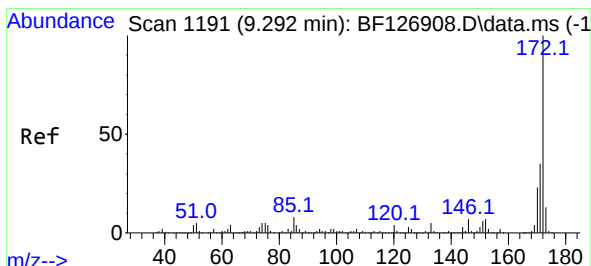
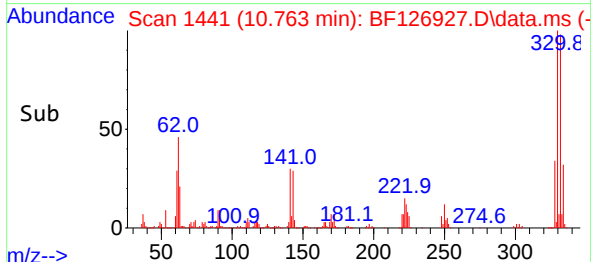
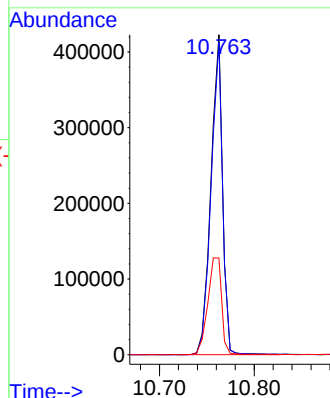
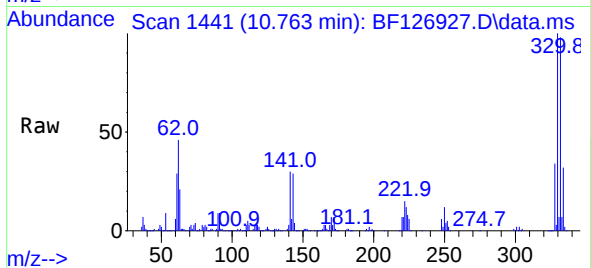
TP-3

Tgt Ion:330 Resp: 35960
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 36.3 30.1 45.1

Manual Integrations

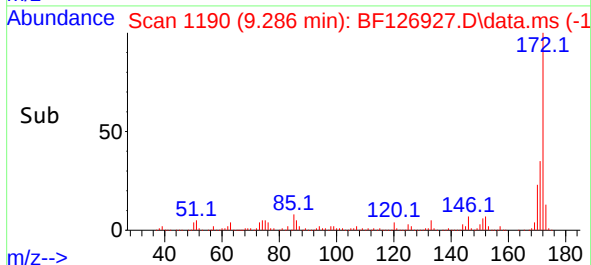
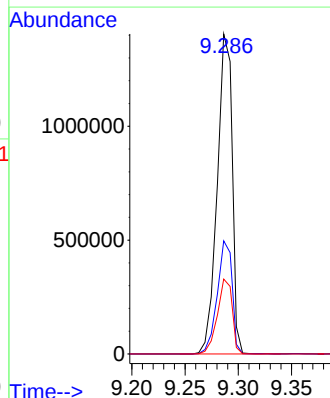
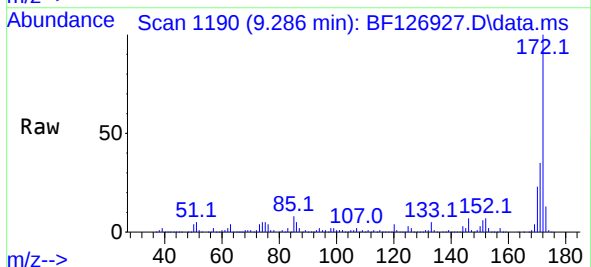
APPROVED

Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#45
2-Fluorobiphenyl
Concen: 85.869 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

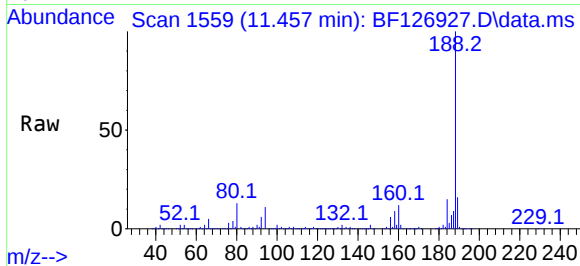
Tgt Ion:172 Resp: 1369950
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.4 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

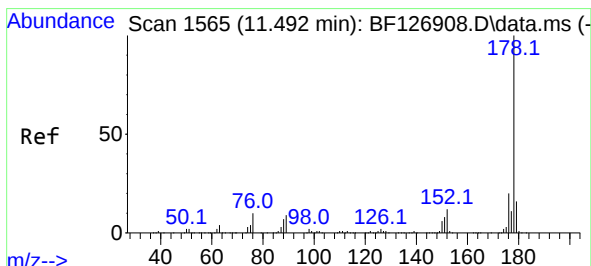
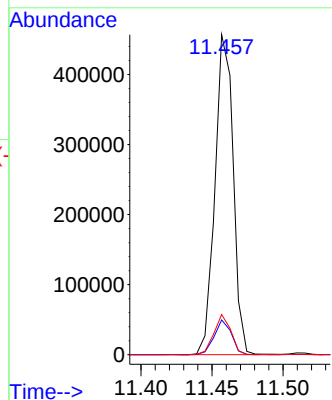
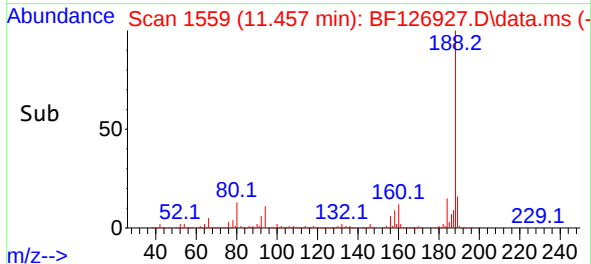
Instrument :
BNA_F
ClientSampleId :
TP-3



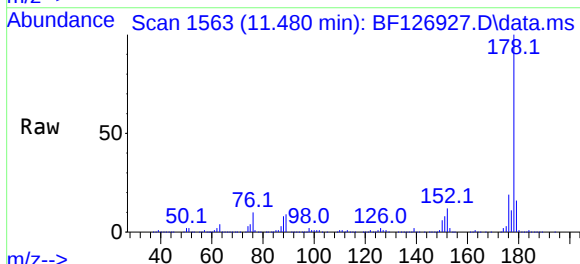
Tgt Ion:188 Resp: 40749
Ion Ratio Lower Upper
188 100
94 10.9 10.1 15.1
80 12.5 11.8 17.6

Manual Integrations
APPROVED

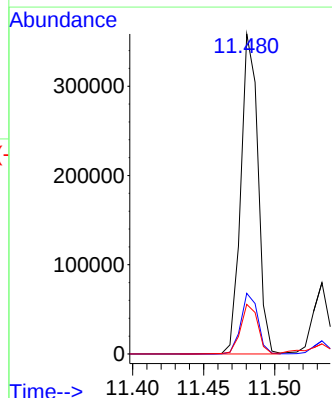
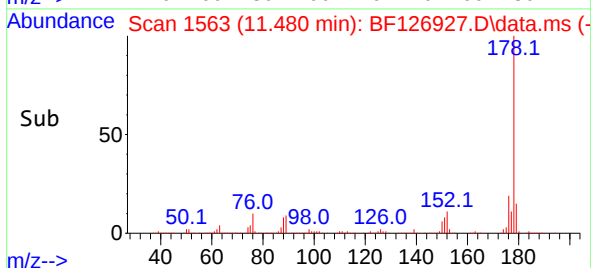
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

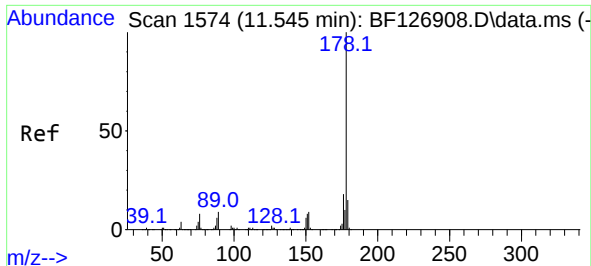


#71
Phenanthrene
Concen: 13.221 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21



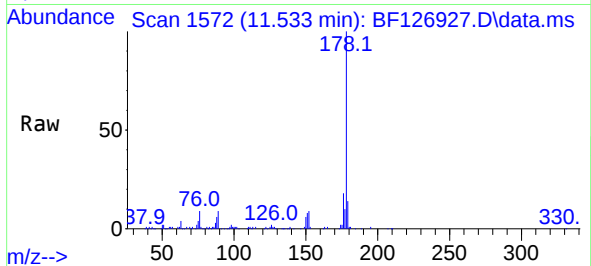
Tgt Ion:178 Resp: 301537
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.5 12.3 18.5





#72
 Anthracene
 Concen: 2.630 ng
 RT: 11.533 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126927.D
 Acq: 17 Feb 2022 15:21

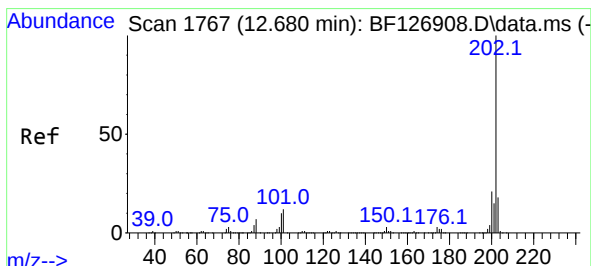
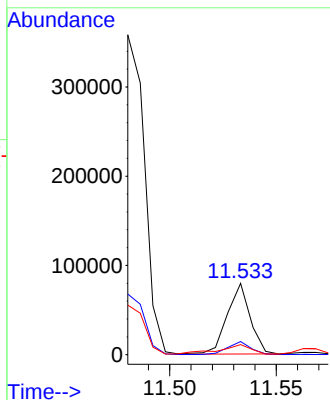
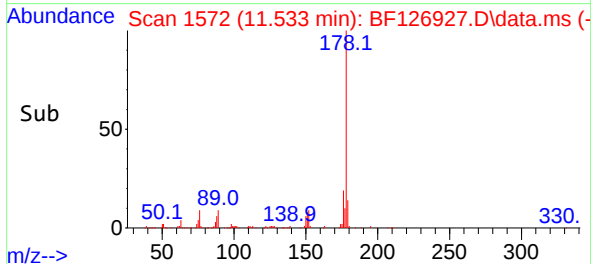
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



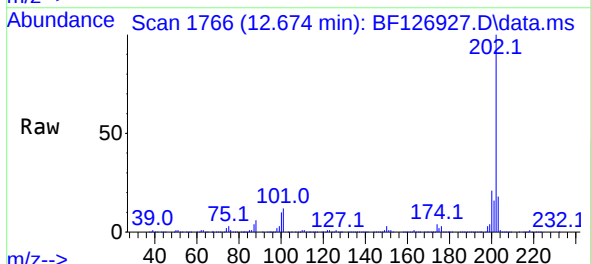
Tgt Ion:178 Resp: 59710
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 14.1 12.5 18.7

Manual Integrations
 APPROVED

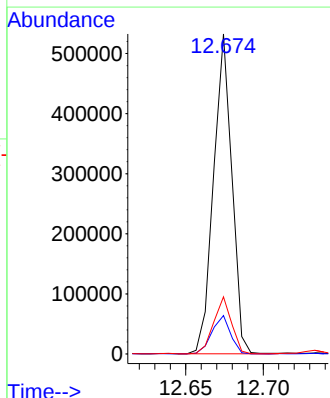
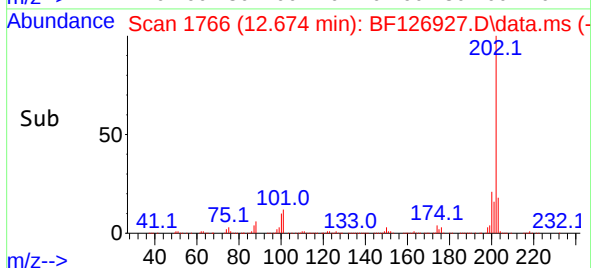
Reviewed By :Christian Giraldo 02/18/2022
 Supervised By :Jagrut Upadhyay 02/18/2022

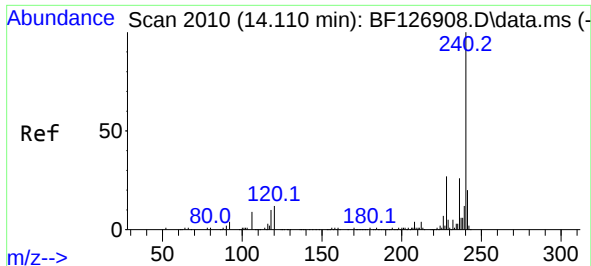


#75
 Fluoranthene
 Concen: 20.201 ng
 RT: 12.674 min Scan# 1766
 Delta R.T. -0.006 min
 Lab File: BF126927.D
 Acq: 17 Feb 2022 15:21



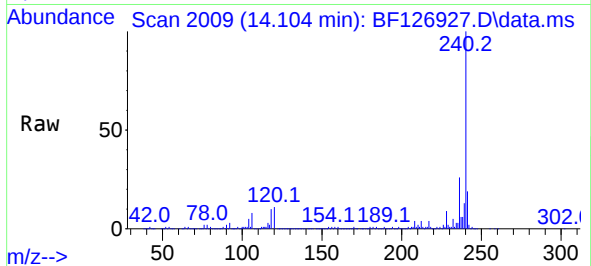
Tgt Ion:202 Resp: 437491
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 35.7
 203 17.9 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

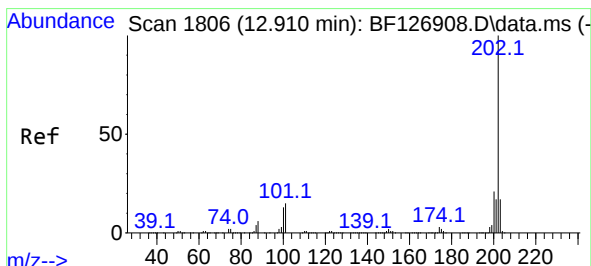
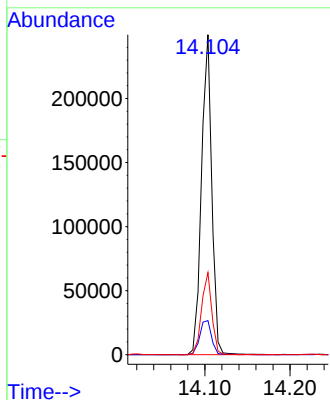
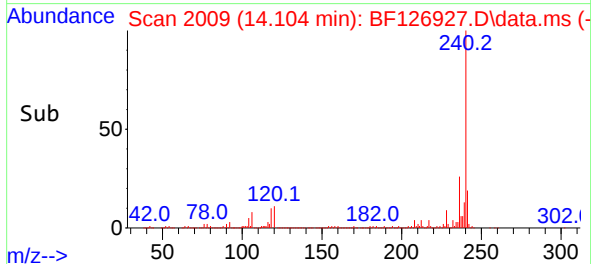
Instrument :
BNA_F
ClientSampleId :
TP-3



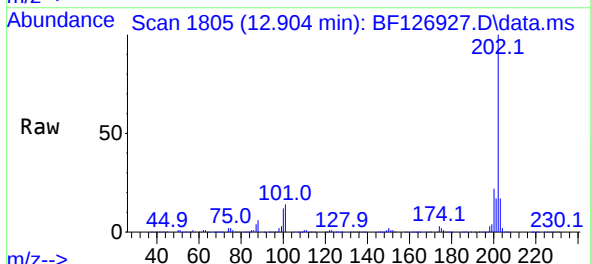
Tgt Ion:240 Resp: 208990
Ion Ratio Lower Upper
240 100
120 10.7 14.4 21.6
236 25.6 20.5 30.7

Manual Integrations
APPROVED

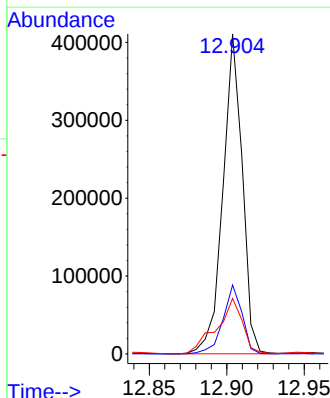
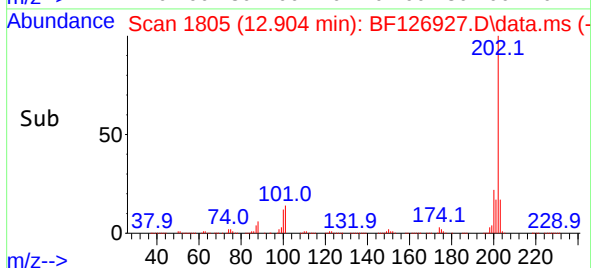
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

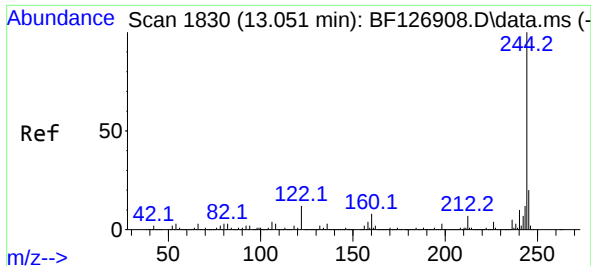


#78
Pyrene
Concen: 19.646 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21



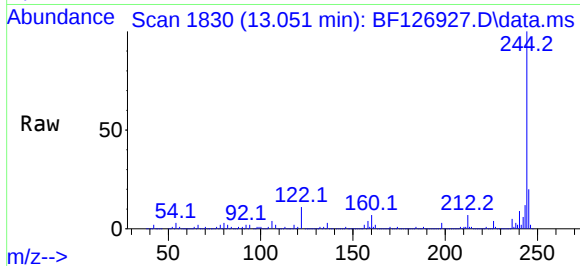
Tgt Ion:202 Resp: 356711
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 17.3 13.8 20.8





#79
 Terphenyl-d14
 Concen: 100.575 ng
 RT: 13.051 min Scan# 1830
 Delta R.T. 0.000 min
 Lab File: BF126927.D
 Acq: 17 Feb 2022 15:21

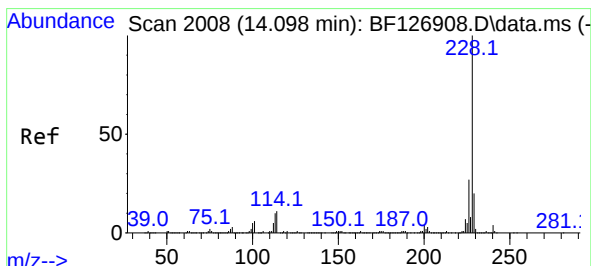
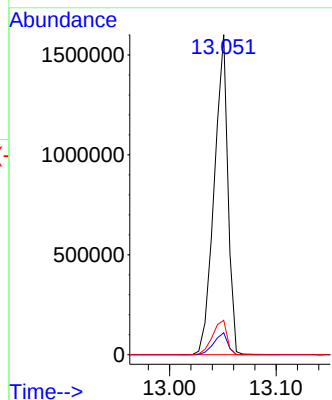
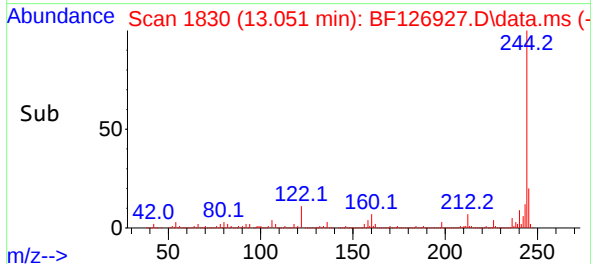
Instrument :
 BNA_F
 ClientSampleId :
 TP-3



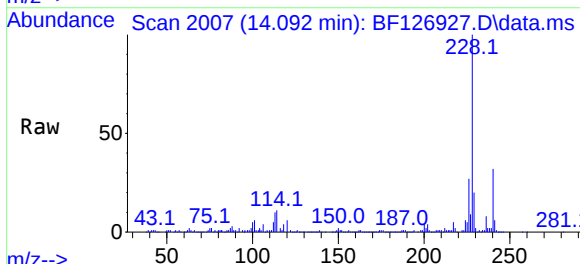
Tgt Ion:244 Resp: 1429872
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 10.7 13.3 19.9

Manual Integrations
 APPROVED

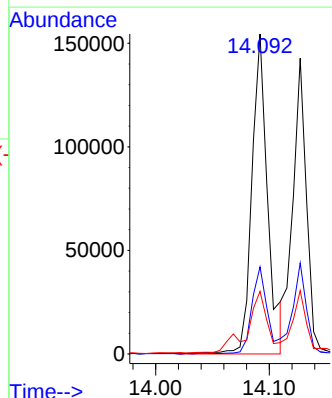
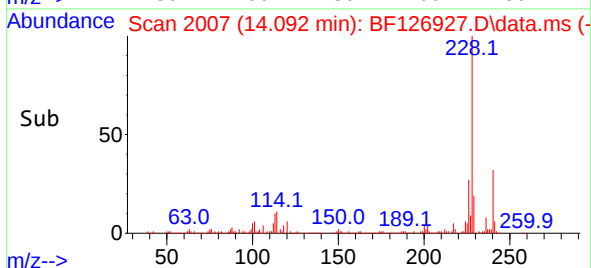
Reviewed By :Christian Giraldo 02/18/2022
 Supervised By :Jagrut Upadhyay 02/18/2022

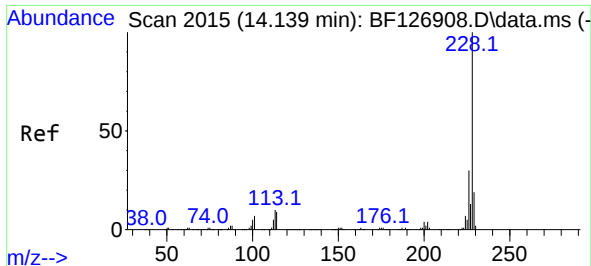


#81
 Benzo(a)anthracene
 Concen: 10.594 ng
 RT: 14.092 min Scan# 2007
 Delta R.T. -0.006 min
 Lab File: BF126927.D
 Acq: 17 Feb 2022 15:21



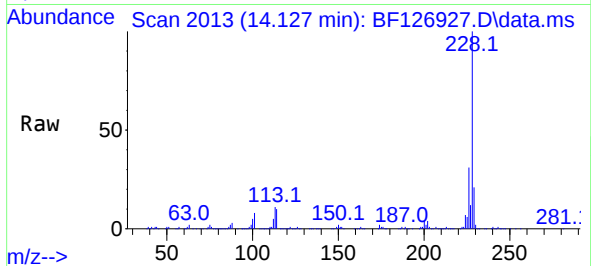
Tgt Ion:228 Resp: 149272
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.4 32.0
 229 19.6 15.4 23.2





#83
Chrysene
Concen: 9.008 ng
RT: 14.127 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

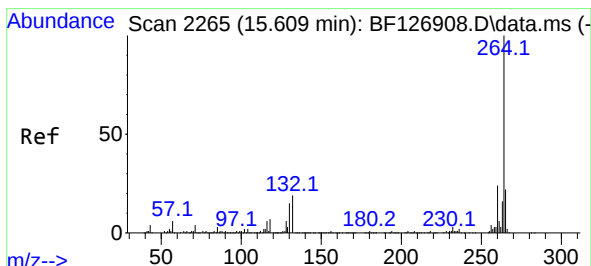
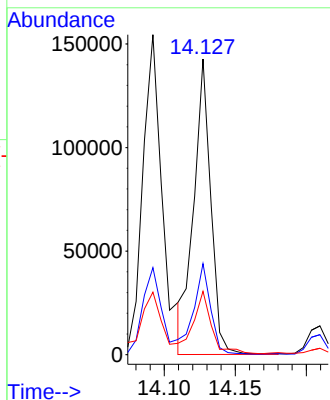
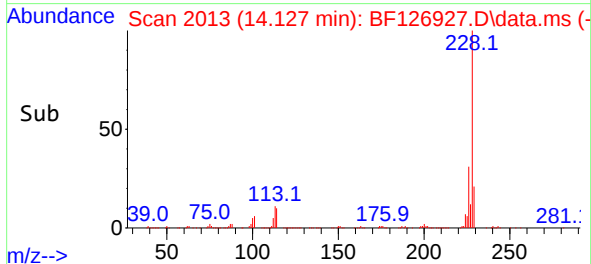
Instrument :
BNA_F
ClientSampleId :
TP-3



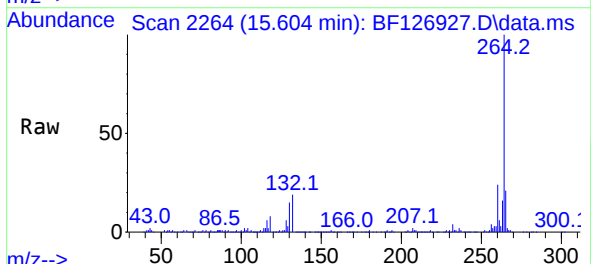
Tgt Ion:228 Resp: 11935
Ion Ratio Lower Upper
228 100
226 30.8 23.7 35.5
229 21.4 15.5 23.3

Manual Integrations
APPROVED

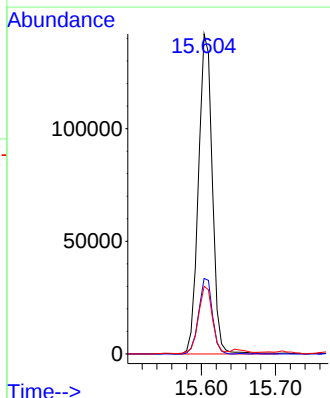
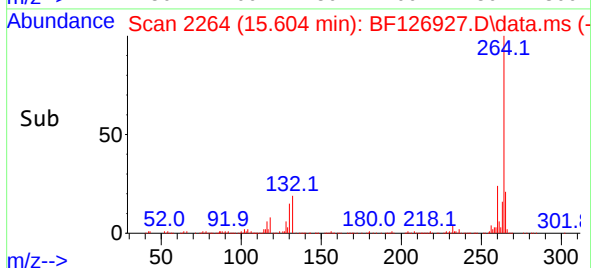
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

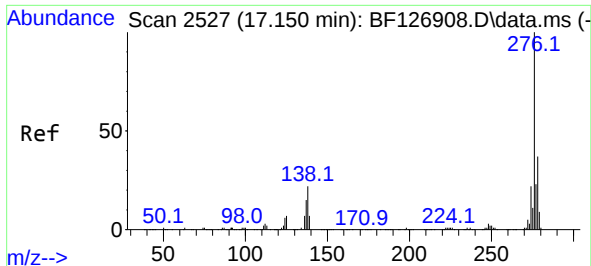


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.604 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21



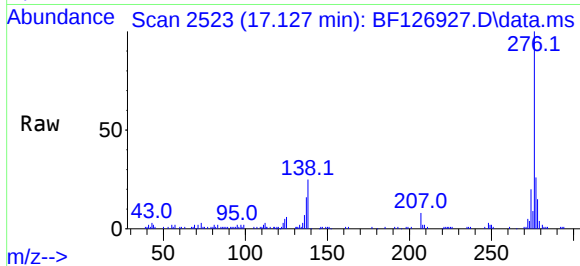
Tgt Ion:264 Resp: 184323
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.2 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.884 ng
RT: 17.127 min Scan# 2187
Delta R.T. -0.023 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

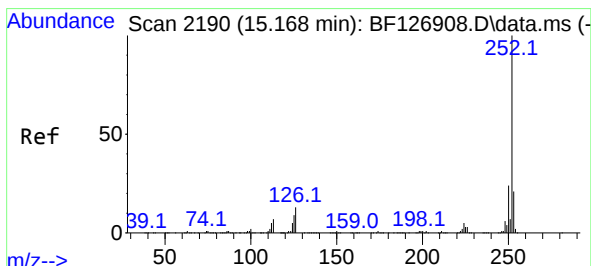
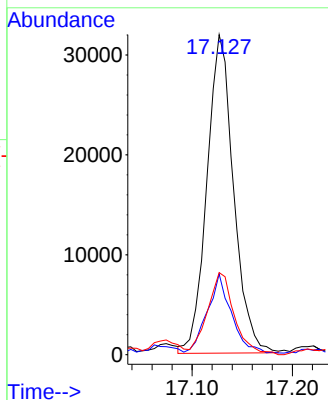
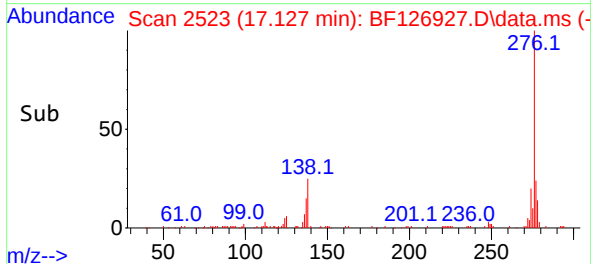
Instrument :
BNA_F
ClientSampleId :
TP-3



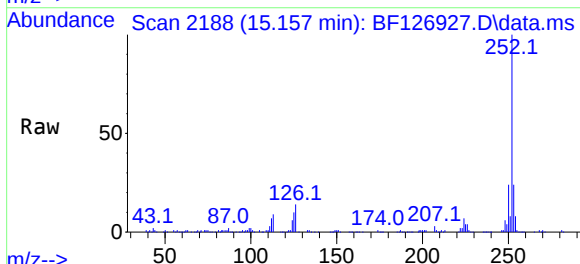
Tgt Ion:276 Resp: 59027
Ion Ratio Lower Upper
276 100
138 22.7 29.2 43.8
277 25.7 19.8 29.8

Manual Integrations
APPROVED

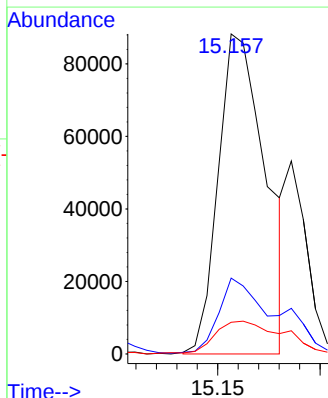
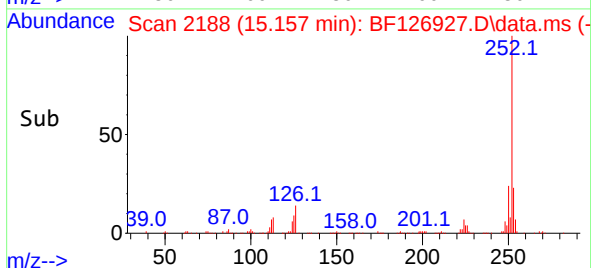
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

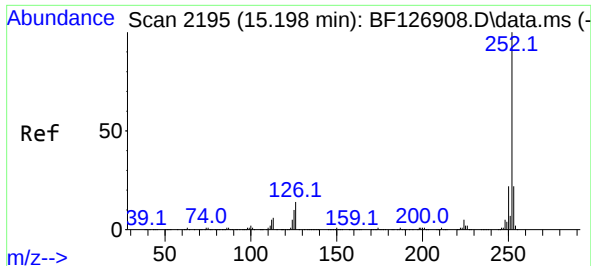


#88
Benzo(b)fluoranthene
Concen: 11.440 ng m
RT: 15.157 min Scan# 2188
Delta R.T. -0.012 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21



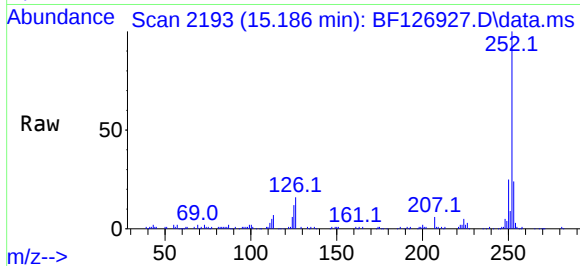
Tgt Ion:252 Resp: 141624
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 9.9 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 3.177 ng m
RT: 15.186 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21

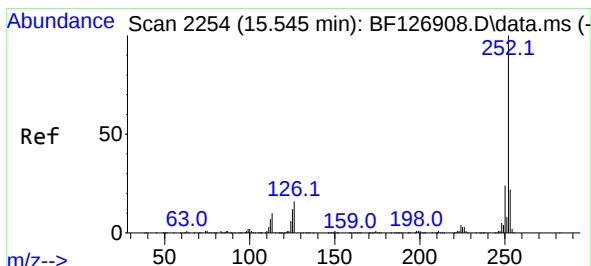
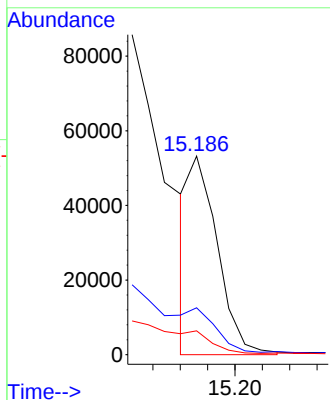
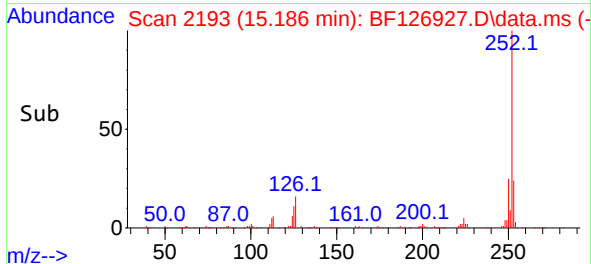
Instrument :
BNA_F
ClientSampleId :
TP-3



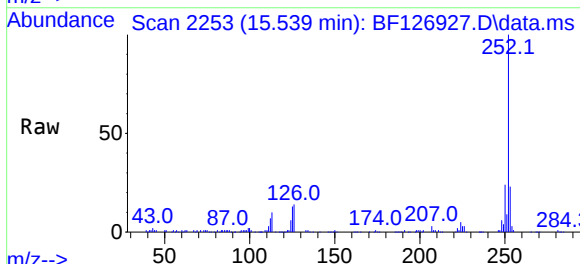
Tgt Ion:252 Resp: 37939
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 12.0 11.8 17.6

Manual Integrations
APPROVED

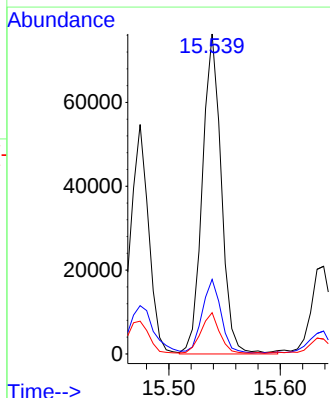
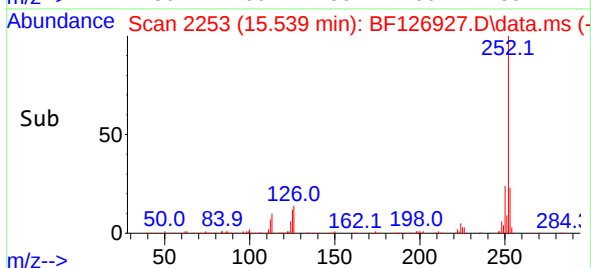
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

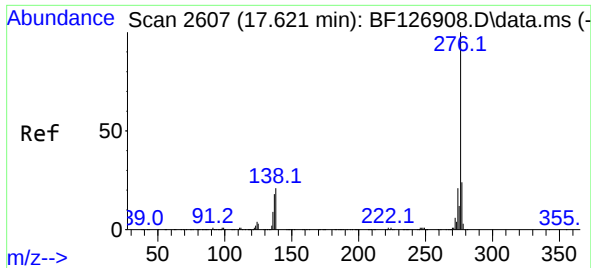


#90
Benzo(a)pyrene
Concen: 9.330 ng m
RT: 15.539 min Scan# 2253
Delta R.T. -0.006 min
Lab File: BF126927.D
Acq: 17 Feb 2022 15:21



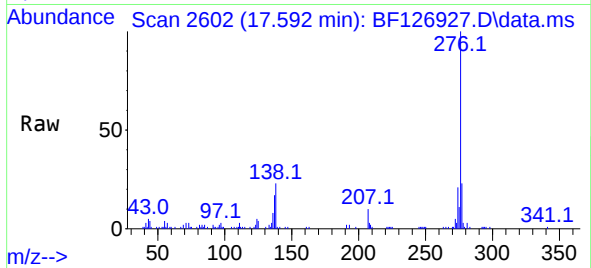
Tgt Ion:252 Resp: 90221
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 12.9 13.0 19.6#





#92
 Benzo(g,h,i)perylene
 Concen: 5.556 ng
 RT: 17.592 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF126927.D
 Acq: 17 Feb 2022 15:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-3



Tgt Ion:276 Resp: 54749
 Ion Ratio Lower Upper
 276 100
 277 23.1 18.5 27.7
 138 22.6 25.9 38.9

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/18/2022
 Supervised By :Jagrut Upadhyay 02/18/2022

