

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127267.D
 Acq On : 08 Mar 2022 19:28
 Operator : CG\JU
 Sample : N1829-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-030722

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/09/2022
 Supervised By : Jagrut Upadhyay 03/09/2022

Quant Time: Mar 09 01:19:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113620	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	415690	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	153337	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	228486	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	148815	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	109770	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	126079	17.151	ng	0.00
7) Phenol-d6	6.510	99	163178	16.450	ng	0.00
23) Nitrobenzene-d5	7.439	82	104446	11.341	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	24074	13.636	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	161158	15.472	ng	0.00
79) Terphenyl-d14	12.998	244	115314	11.391	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	153340	11.990	ng	99
72) Anthracene	11.486	178	39888	3.133	ng	98
75) Fluoranthene	12.633	202	481612	39.662	ng	94
78) Pyrene	12.863	202	435405	33.677	ng	98
81) Benzo(a)anthracene	14.051	228	177917	17.734	ng	98
83) Chrysene	14.086	228	163453	17.325	ng	96
87) Indeno(1,2,3-cd)pyrene	17.074	276	74394	10.336	ng	# 81
88) Benzo(b)fluoranthene	15.115	252	178150m	24.164	ng	
89) Benzo(k)fluoranthene	15.145	252	66729m	9.384	ng	
90) Benzo(a)pyrene	15.492	252	136763m	23.749	ng	
91) Dibenzo(a,h)anthracene	17.080	278	17221	2.893	ng	# 86
92) Benzo(g,h,i)perylene	17.533	276	74423	12.681	ng	# 84

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

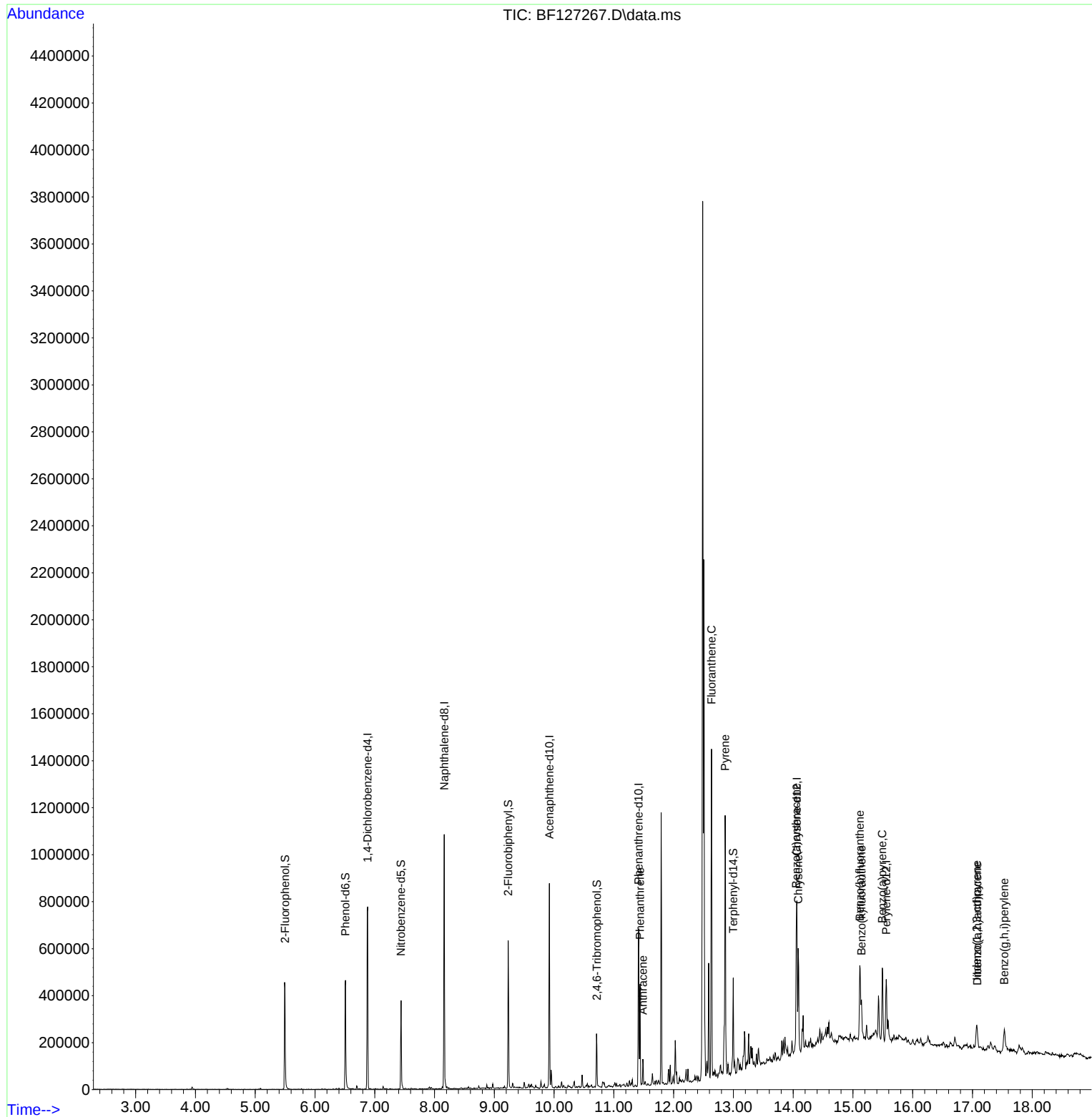
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
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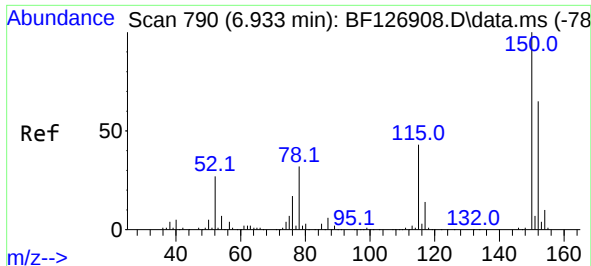
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
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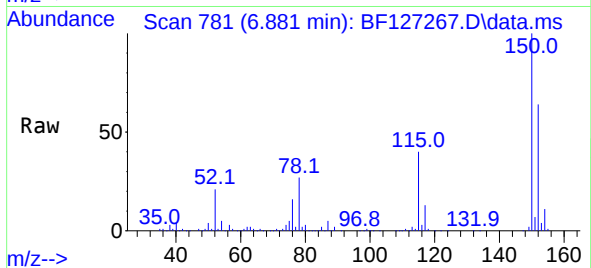
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

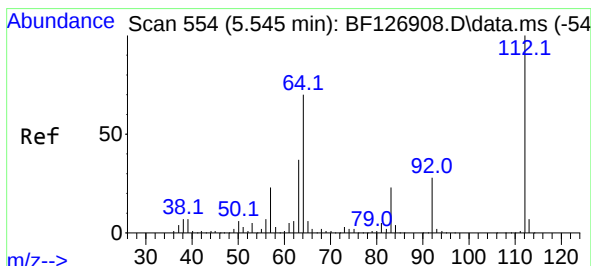
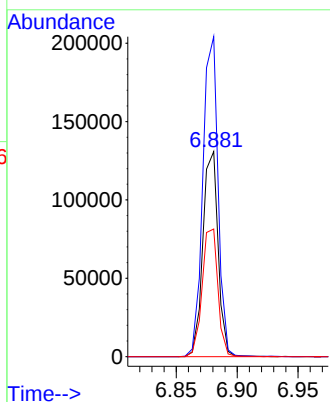
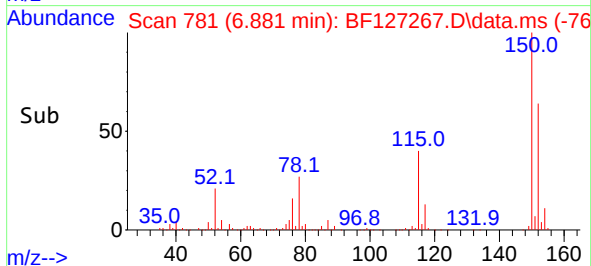


Tgt Ion:152 Resp: 113620
Ion Ratio Lower Upper
152 100
150 156.0 128.1 192.1
115 62.2 56.7 85.1

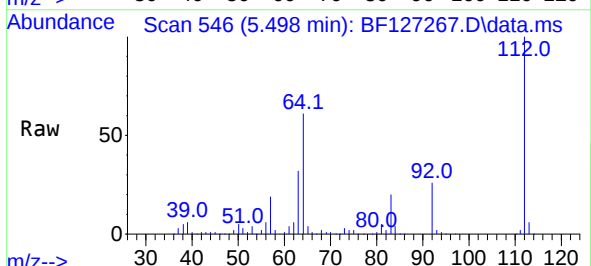
Manual Integrations

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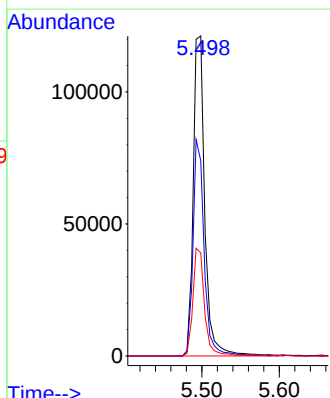
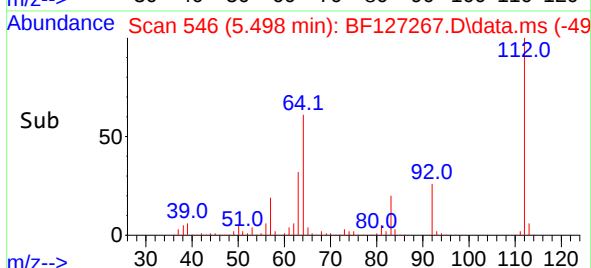
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#5
2-Fluorophenol
Concen: 17.151 ng
RT: 5.498 min Scan# 546
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28



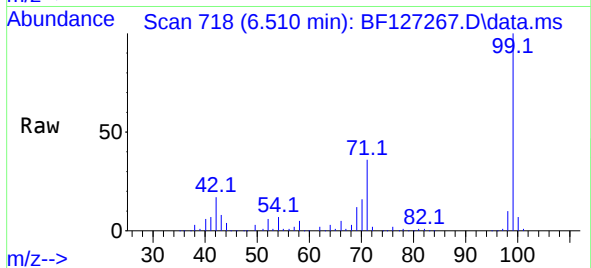
Tgt Ion:112 Resp: 126079
Ion Ratio Lower Upper
112 100
64 61.0 49.5 74.3
63 32.2 23.9 35.9





#7
Phenol-d6
Concen: 16.450 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

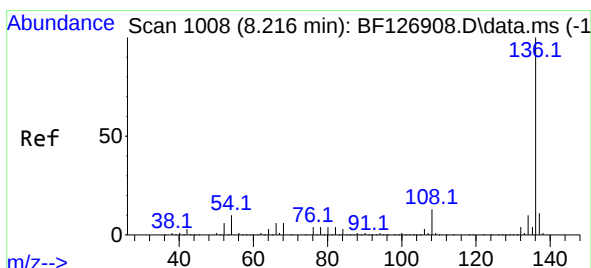
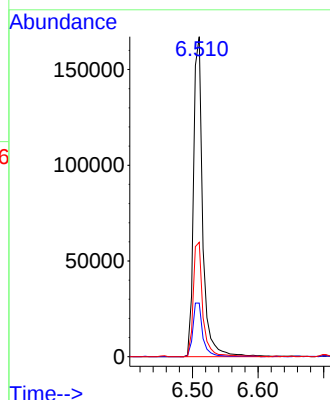
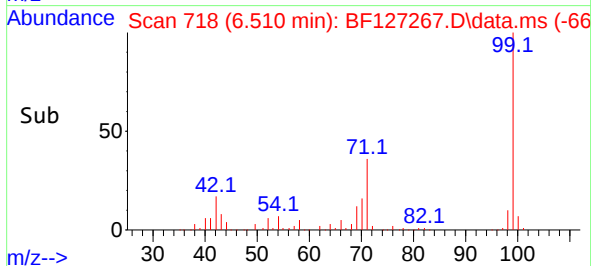
Instrument :
BNA_F
ClientSampleId :
SU-03-030722



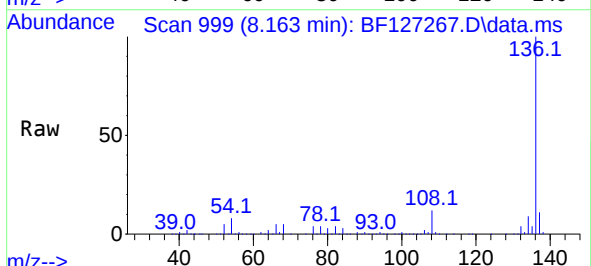
Tgt Ion: 99 Resp: 163178
Ion Ratio Lower Upper
99 100
42 16.7 14.2 21.4
71 35.7 24.3 36.5

Manual Integrations
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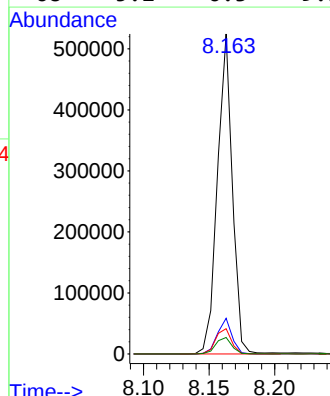
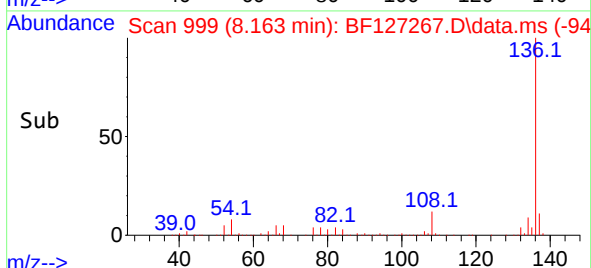
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28



Tgt Ion:136 Resp: 415690
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.9 7.8 11.6
68 5.2 6.3 9.5#





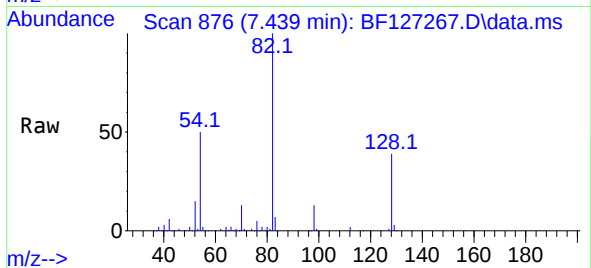
#23
Nitrobenzene-d5
Concen: 11.341 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

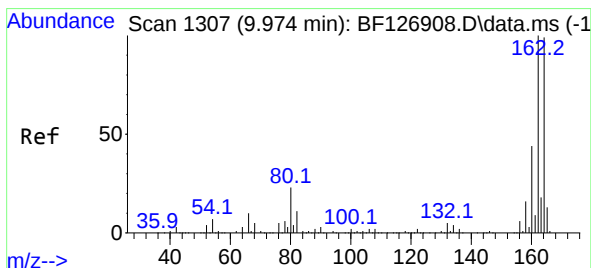
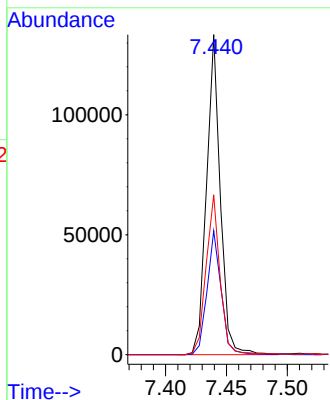
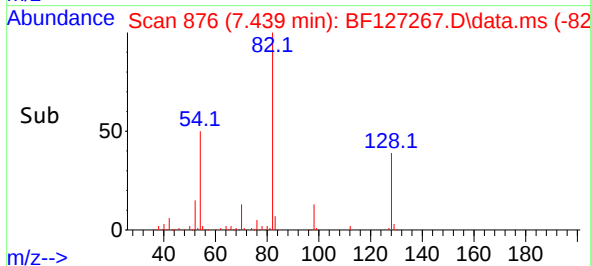


Tgt Ion: 82 Resp: 104440
Ion Ratio Lower Upper
82 100
128 38.7 32.7 49.1
54 50.0 41.7 62.5

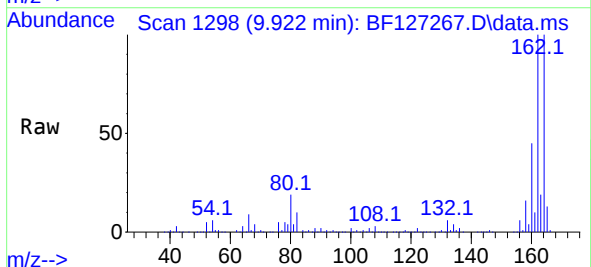
Manual Integrations

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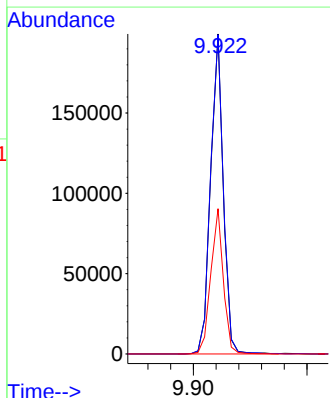
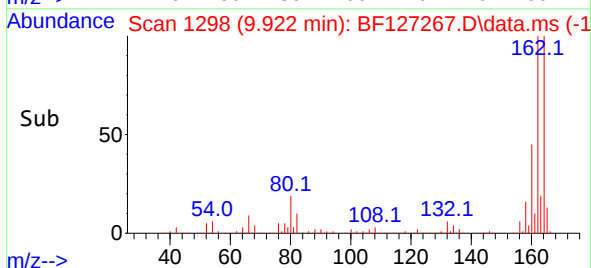
Reviewed By :Christian Giraldo 03/09/2022
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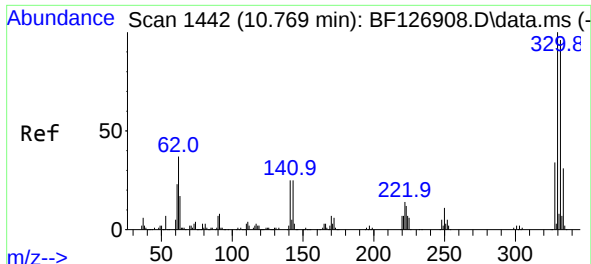


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28



Tgt Ion:164 Resp: 153337
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 45.4 36.6 54.8





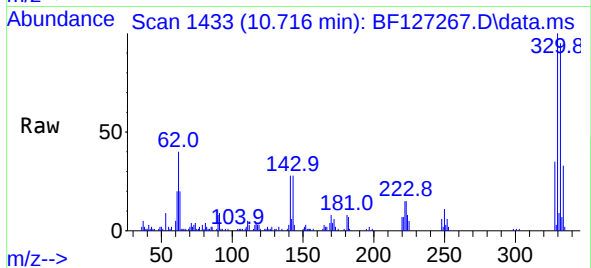
#42
2,4,6-Tribromophenol
Concen: 13.636 ng
RT: 10.716 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

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SU-03-030722

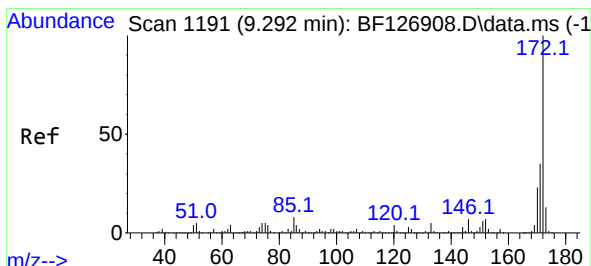
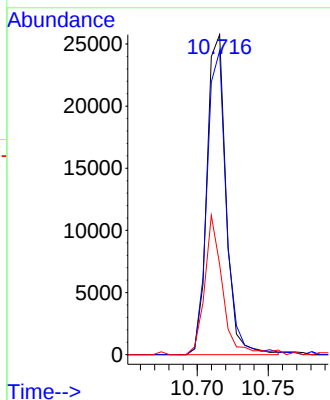
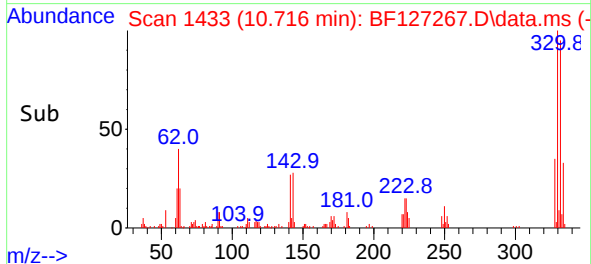


Tgt Ion:330 Resp: 24074
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 41.1 30.1 45.1

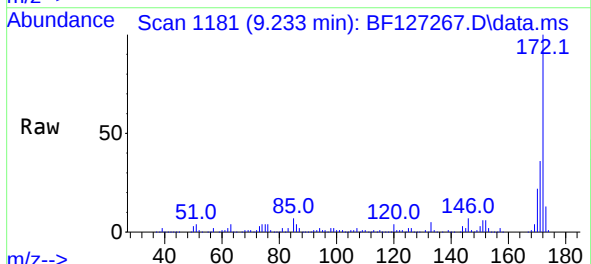
Manual Integrations

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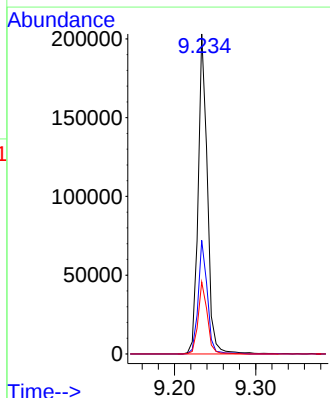
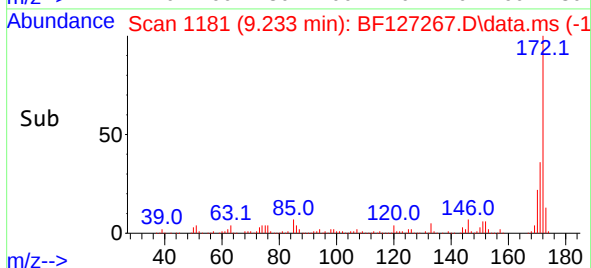
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#45
2-Fluorobiphenyl
Concen: 15.472 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28



Tgt Ion:172 Resp: 161158
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 22.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

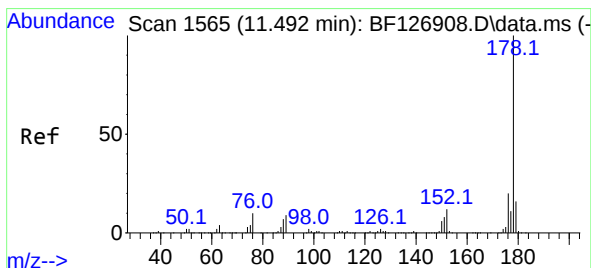
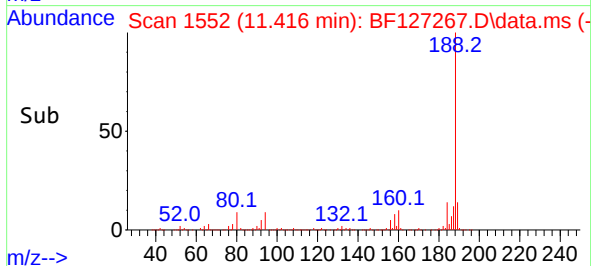
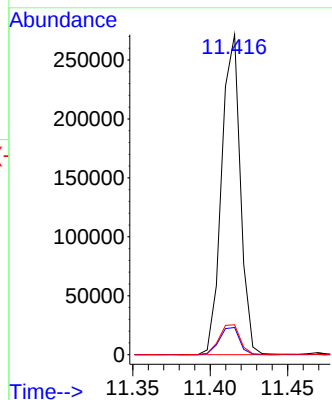
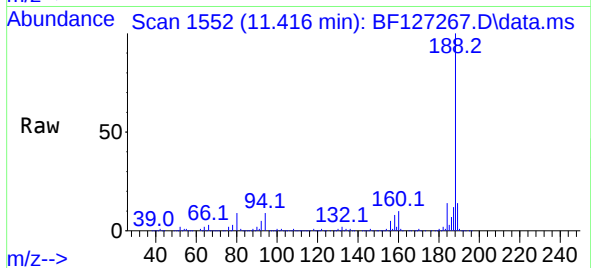
SU-03-030722

Tgt Ion:188 Resp: 228480
Ion Ratio Lower Upper
188 100
94 8.5 10.1 15.1
80 9.4 11.8 17.6

Manual Integrations

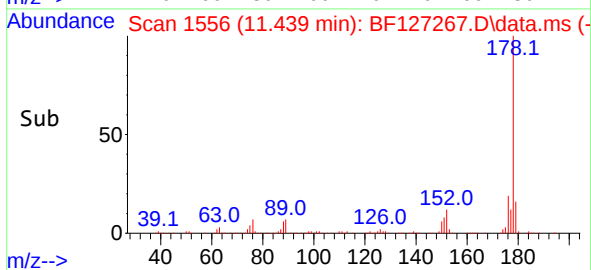
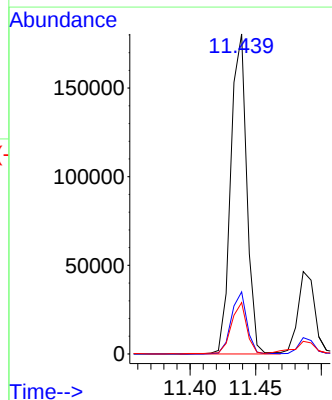
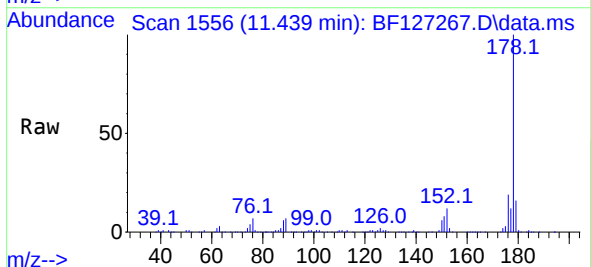
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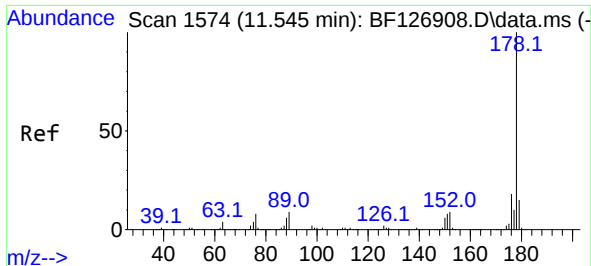
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#71
Phenanthrene
Concen: 11.990 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

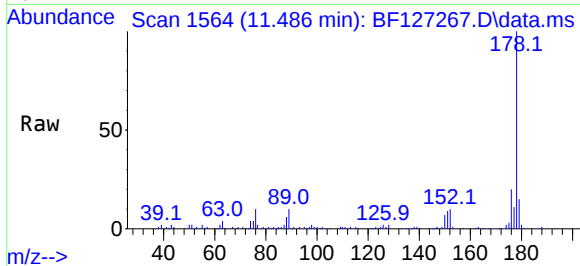
Tgt Ion:178 Resp: 153340
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 16.1 12.3 18.5





#72
 Anthracene
 Concen: 3.133 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

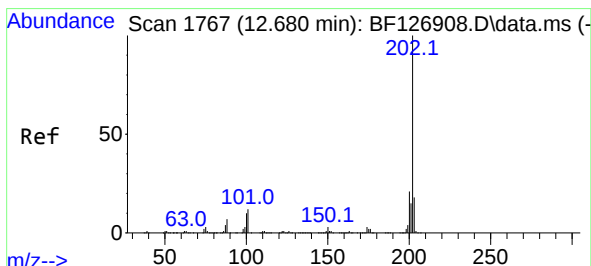
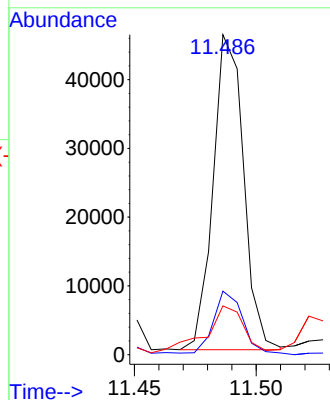
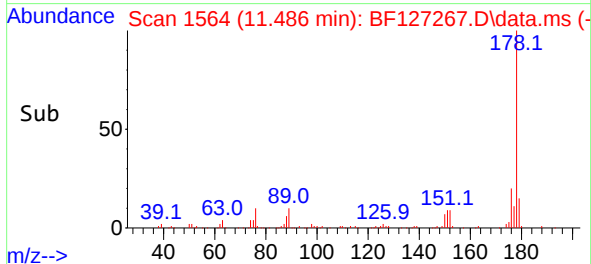
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-030722



Tgt Ion:178 Resp: 3988
 Ion Ratio Lower Upper
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 176 19.9 15.0 22.6
 179 15.3 12.5 18.7

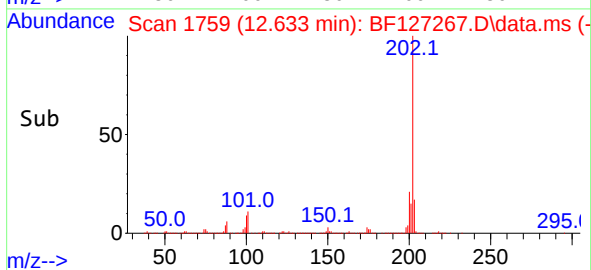
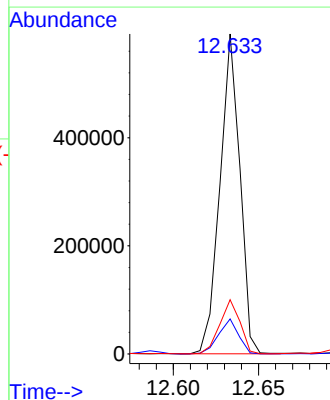
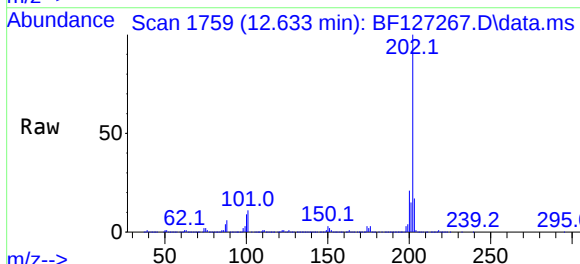
Manual Integrations
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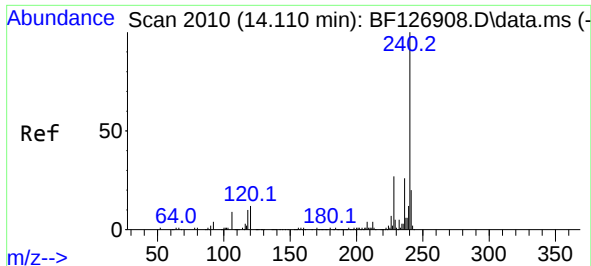
Reviewed By :Christian Giraldo 03/09/2022
 Supervised By :Jagrut Upadhyay 03/09/2022



#75
 Fluoranthene
 Concen: 39.662 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. -0.000 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

Tgt Ion:202 Resp: 481612
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 35.7
 203 16.9 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

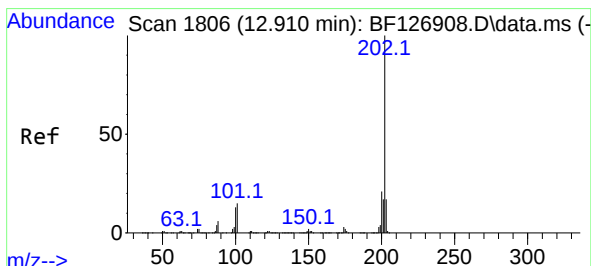
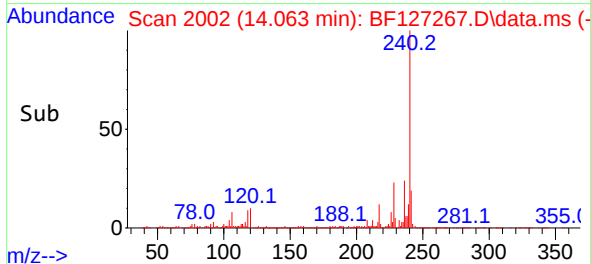
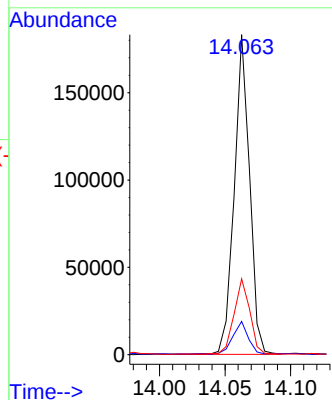
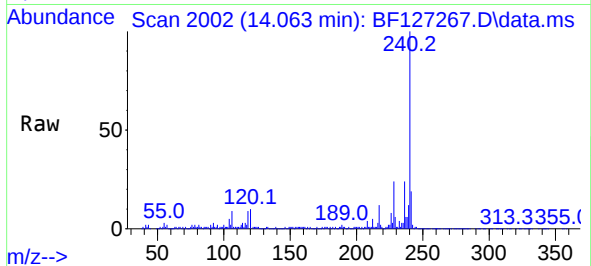
SU-03-030722

Tgt Ion:240 Resp: 148815
Ion Ratio Lower Upper
240 100
120 10.4 14.4 21.6
236 23.7 20.5 30.7

Manual Integrations

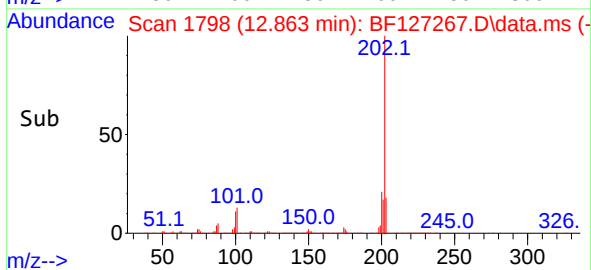
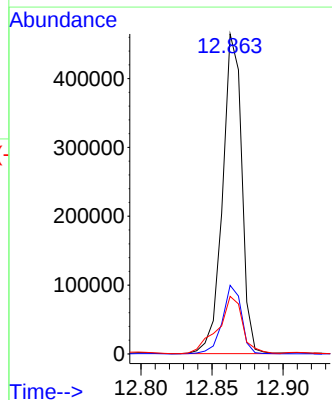
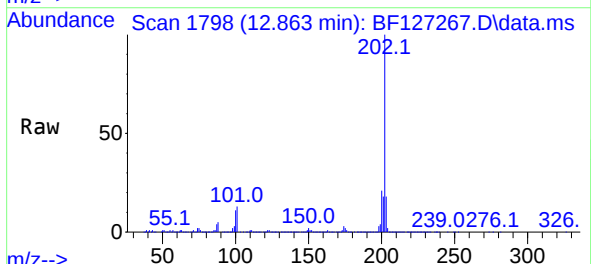
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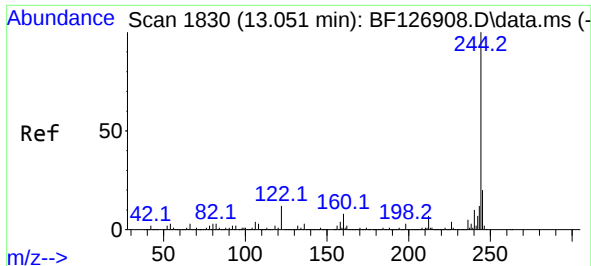
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#78
Pyrene
Concen: 33.677 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion:202 Resp: 435405
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 18.0 13.8 20.8





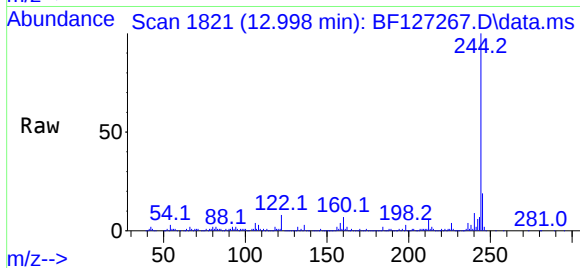
#79
 Terphenyl-d14
 Concen: 11.391 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

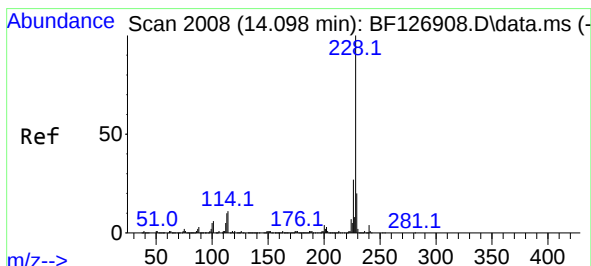
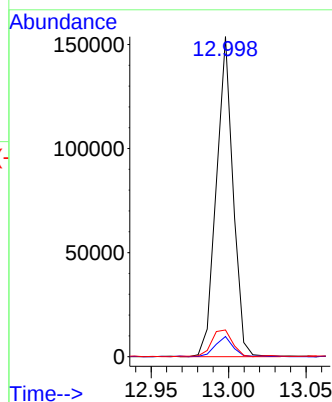
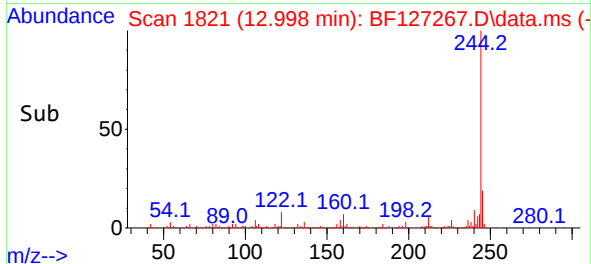


Tgt Ion:244 Resp: 115314
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 8.3 13.3 19.9

Manual Integrations

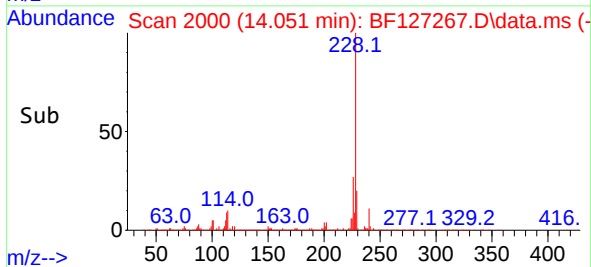
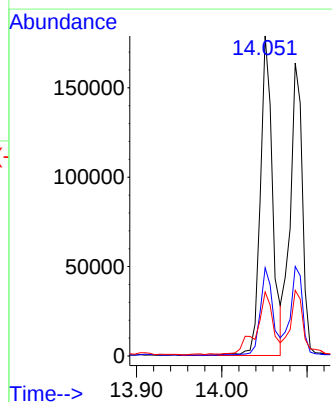
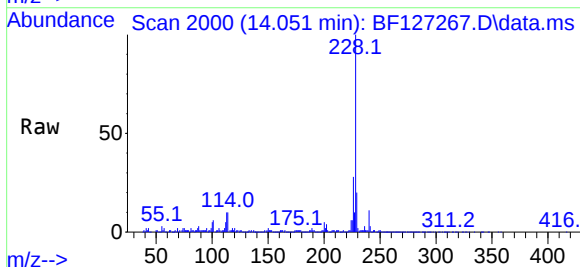
APPROVED

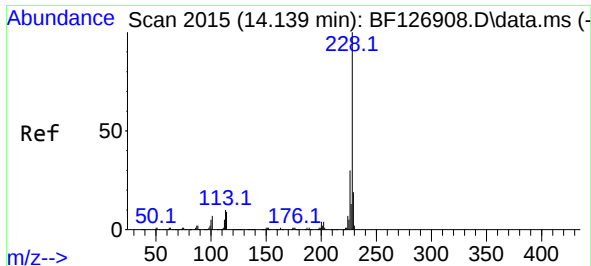
Reviewed By :Christian Giraldo 03/09/2022
 Supervised By :Jagrut Upadhyay 03/09/2022



#81
 Benzo(a)anthracene
 Concen: 17.734 ng
 RT: 14.051 min Scan# 2000
 Delta R.T. -0.000 min
 Lab File: BF127267.D
 Acq: 08 Mar 2022 19:28

Tgt Ion:228 Resp: 177917
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 20.0 15.4 23.2





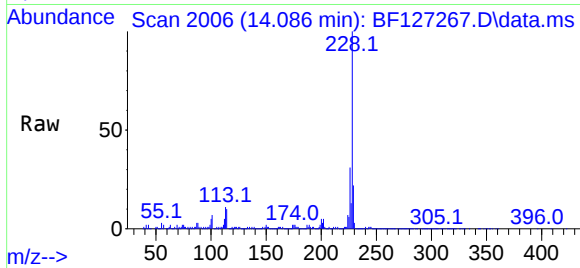
#83
Chrysene
Concen: 17.325 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

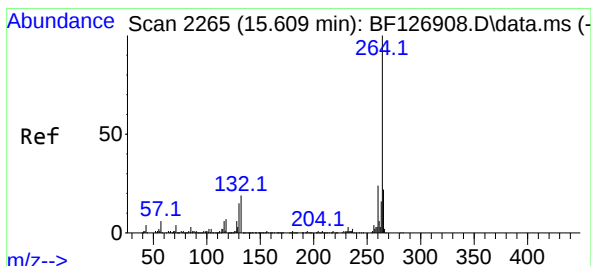
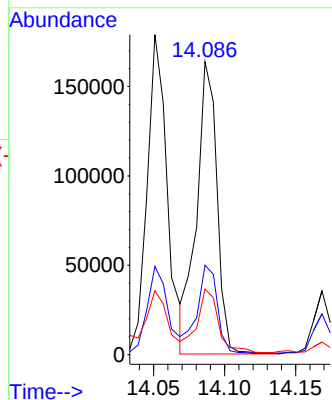
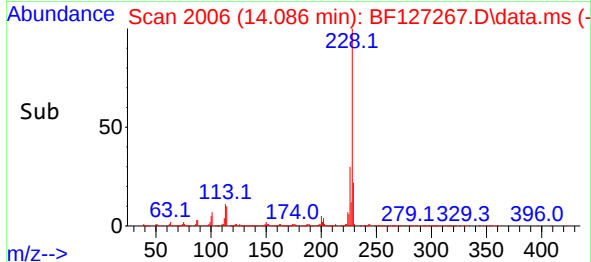


Tgt Ion:228 Resp: 16345
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 22.4 15.5 23.3

Manual Integrations

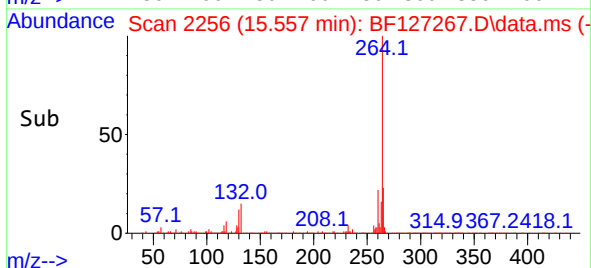
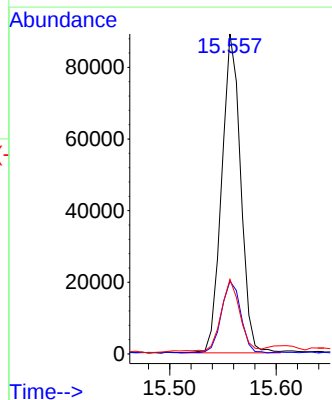
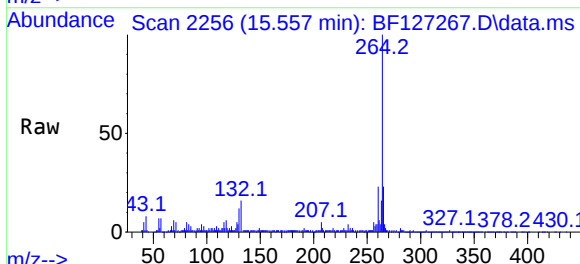
APPROVED

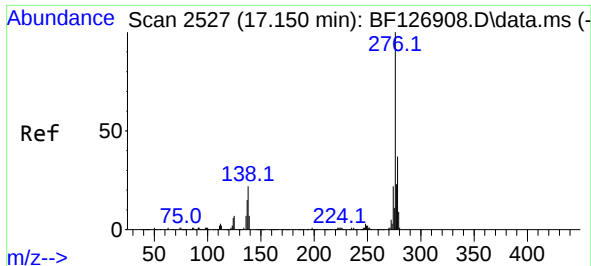
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. 0.012 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion:264 Resp: 109770
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 23.3 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.336 ng
RT: 17.074 min Scan# 211
Delta R.T. 0.018 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

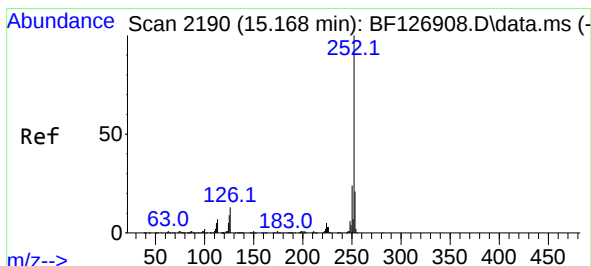
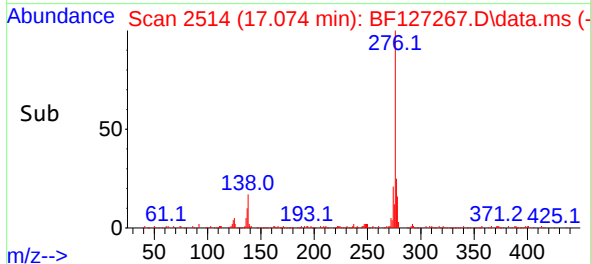
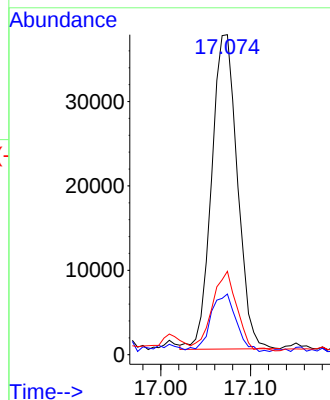
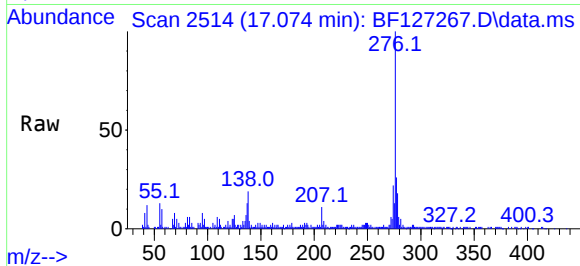
SU-03-030722

Tgt Ion:276 Resp: 74394
Ion Ratio Lower Upper
276 100
138 18.1 29.2 43.8
277 24.6 19.8 29.8

Manual Integrations

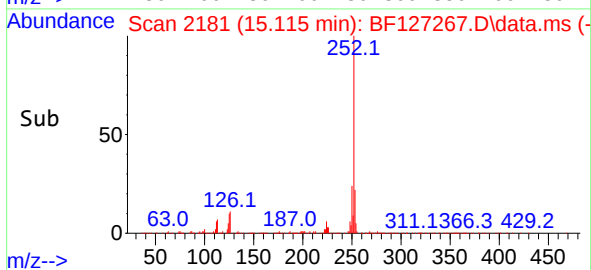
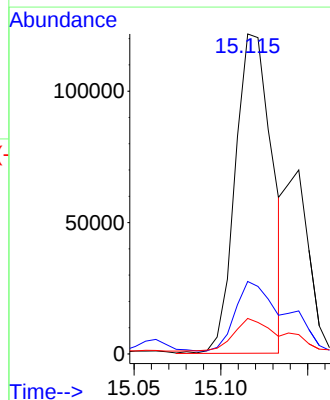
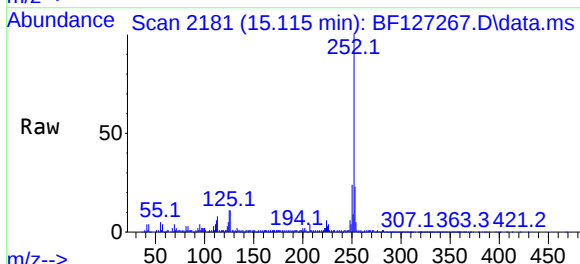
APPROVED

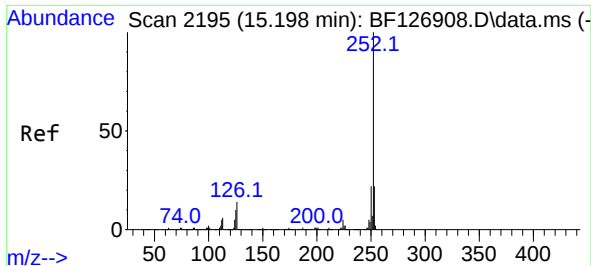
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#88
Benzo(b)fluoranthene
Concen: 24.164 ng m
RT: 15.115 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

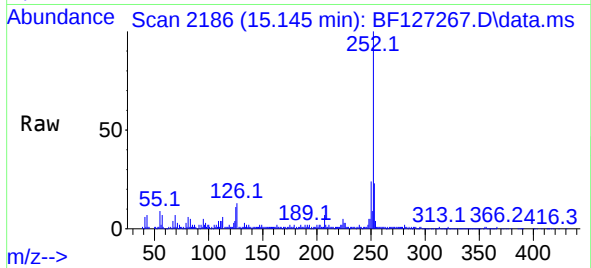
Tgt Ion:252 Resp: 178150
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 11.1 12.4 18.6#





#89
Benzo(k)fluoranthene
Concen: 9.384 ng m
RT: 15.145 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

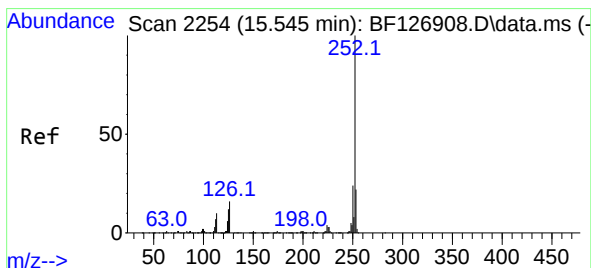
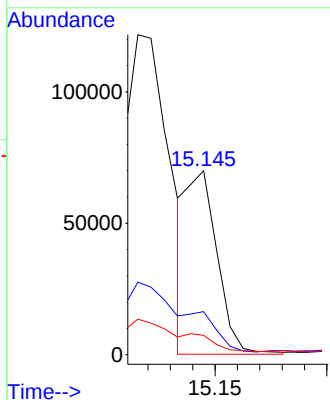
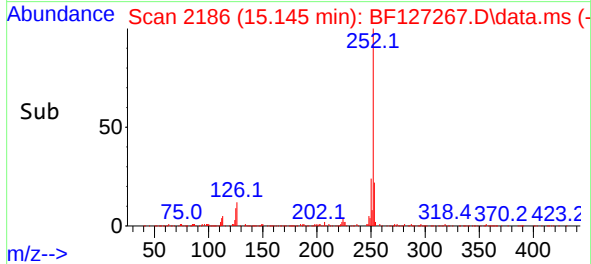
Instrument :
BNA_F
ClientSampleId :
SU-03-030722



Tgt Ion:252 Resp: 66729
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.6 11.8 17.6

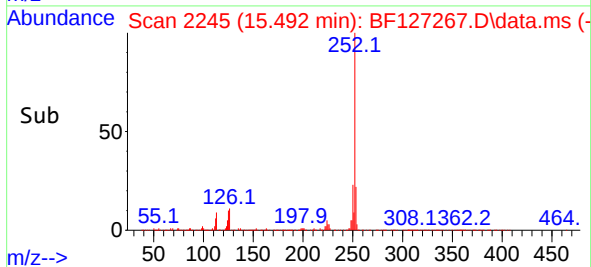
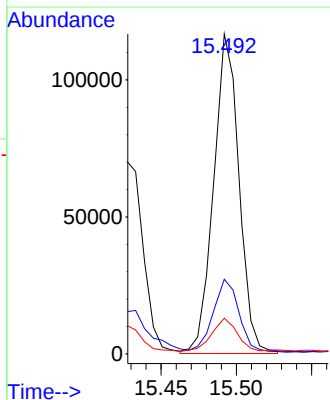
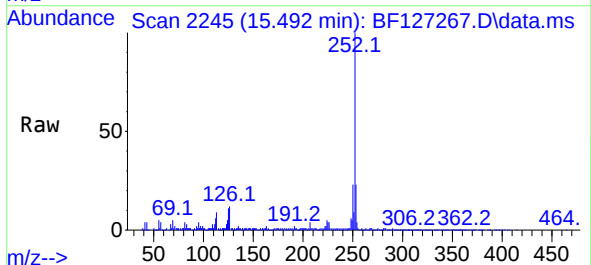
Manual Integrations
APPROVED

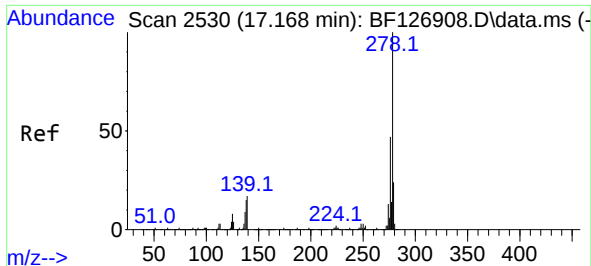
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#90
Benzo(a)pyrene
Concen: 23.749 ng m
RT: 15.492 min Scan# 2245
Delta R.T. 0.006 min
Lab File: BF127267.D
Acq: 08 Mar 2022 19:28

Tgt Ion:252 Resp: 136763
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 11.2 13.0 19.6





#91

Dibenzo(a,h)anthracene

Concen: 2.893 ng

RT: 17.080 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Instrument :

BNA_F

ClientSampleId :

SU-03-030722

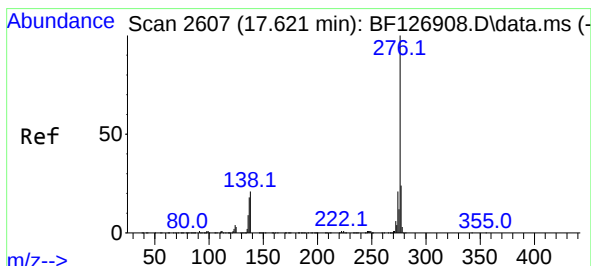
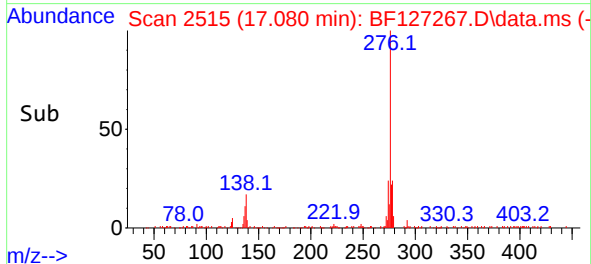
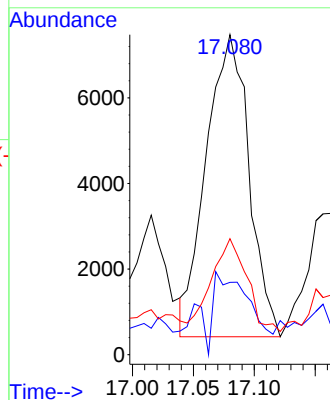
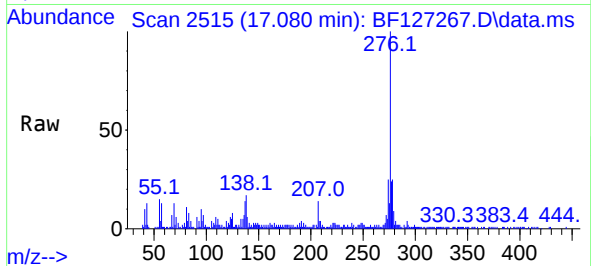
Tgt Ion:	278	Resp:	1722
Ion Ratio	Lower	Upper	
278	100		
139	22.6	18.0	27.0
279	36.2	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/09/2022

Supervised By :Jagrut Upadhyay 03/09/2022



#92

Benzo(g,h,i)perylene

Concen: 12.681 ng

RT: 17.533 min Scan# 2592

Delta R.T. 0.012 min

Lab File: BF127267.D

Acq: 08 Mar 2022 19:28

Tgt Ion:	276	Resp:	74423
Ion Ratio	Lower	Upper	
276	100		
277	27.0	18.5	27.7
138	20.0	25.9	38.9

