

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127105.D
 Acq On : 28 Feb 2022 17:44
 Operator : CG\JU
 Sample : N1664-25
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/01/2022
 Supervised By : Jagrut Upadhyay 03/01/2022

Quant Time: Mar 01 01:39:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	96101	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	381991	20.000	ng	#-0.01
39) Acenaphthene-d10	9.939	164	188694	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	306862	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	163114	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	183160	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	522986	84.111	ng	-0.01
7) Phenol-d6	6.528	99	722583	86.124	ng	-0.01
23) Nitrobenzene-d5	7.463	82	498793	58.939	ng	-0.01
42) 2,4,6-Tribromophenol	10.733	330	215850	99.353	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	794410	61.978	ng	-0.01
79) Terphenyl-d14	13.016	244	596090	53.722	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.457	178	46528	2.709	ng	99
75) Fluoranthene	12.645	202	96725	5.931	ng	95
78) Pyrene	12.874	202	85198	6.012	ng	98
81) Benzo(a)anthracene	14.068	228	43447m	3.951	ng	
83) Chrysene	14.104	228	49742	4.810	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	31645	2.635	ng	# 86
88) Benzo(b)fluoranthene	15.133	252	94891m	7.714	ng	
89) Benzo(k)fluoranthene	15.157	252	26517m	2.235	ng	
90) Benzo(a)pyrene	15.509	252	44584m	4.640	ng	
92) Benzo(g,h,i)perylene	17.545	276	25828	2.638	ng	# 91

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

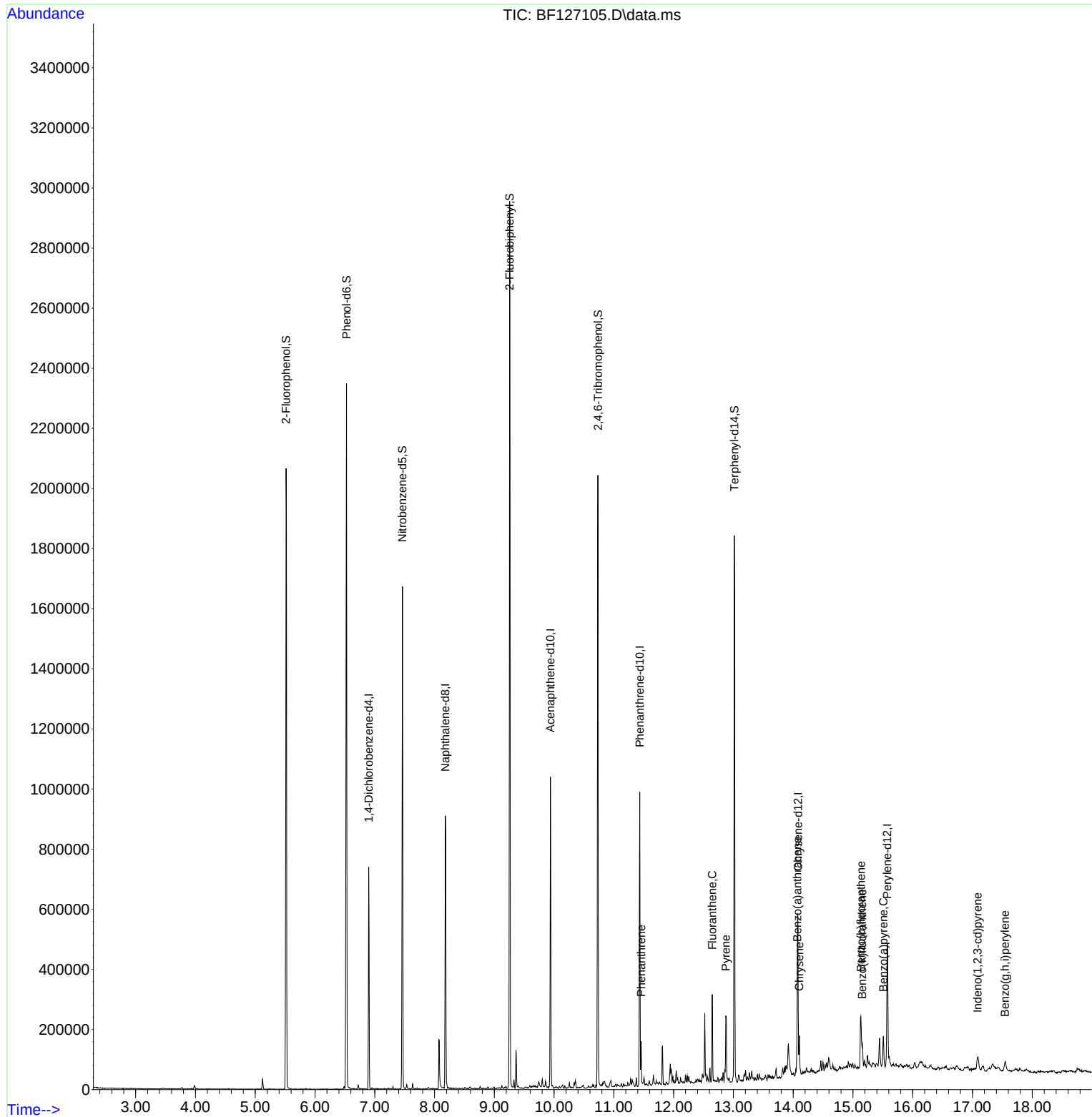
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
Data File : BF127105.D
Acq On : 28 Feb 2022 17:44
Operator : CG\JU
Sample : N1664-25
Misc :
ALS Vial : 17 Sample Multiplier: 1

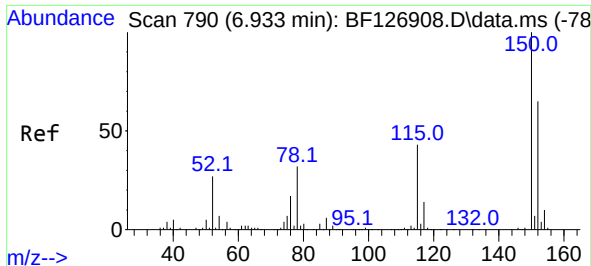
Instrument :
BNA_F
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TP-9

Quant Time: Mar 01 01:39:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
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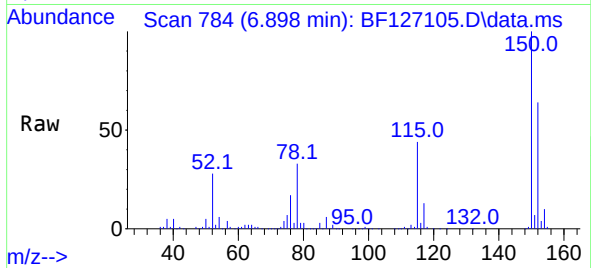
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

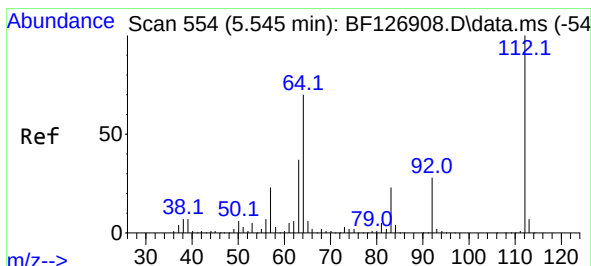
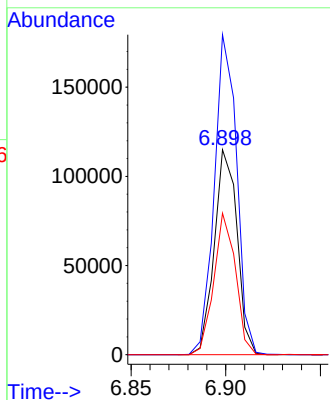
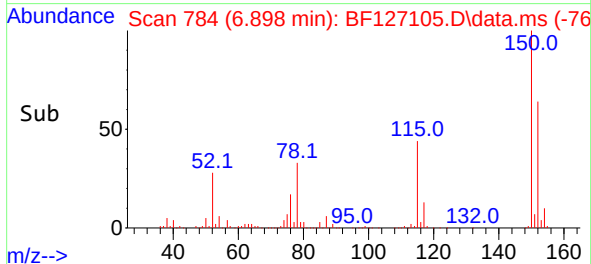
Instrument :
BNA_F
ClientSampleId :
TP-9



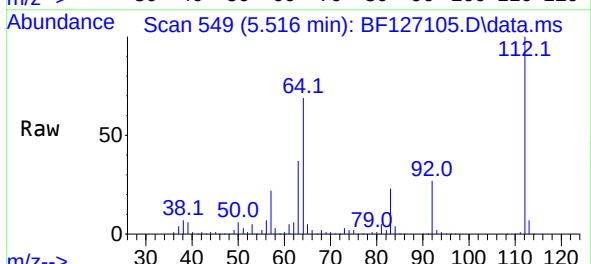
Tgt Ion:152 Resp: 9610
Ion Ratio Lower Upper
152 100
150 156.1 128.1 192.1
115 69.0 56.7 85.1

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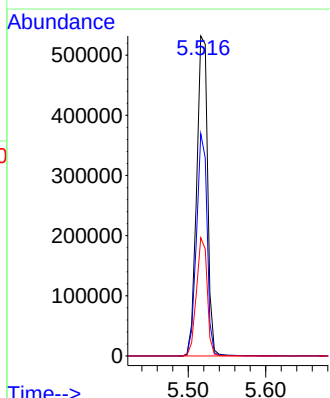
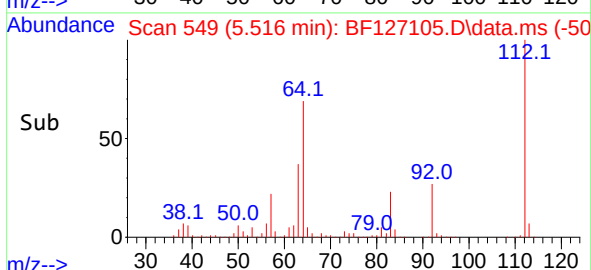
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

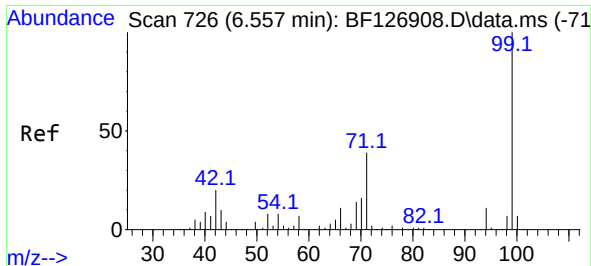


#5
2-Fluorophenol
Concen: 84.111 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



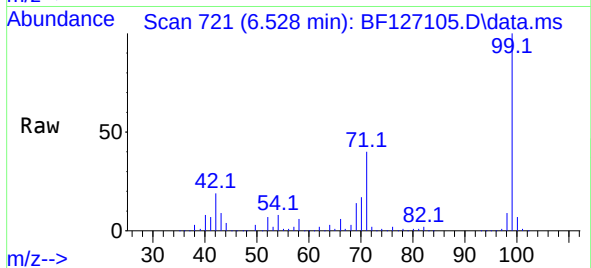
Tgt Ion:112 Resp: 522986
Ion Ratio Lower Upper
112 100
64 69.4 49.5 74.3
63 36.9 23.9 35.9





#7
Phenol-d6
Concen: 86.124 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

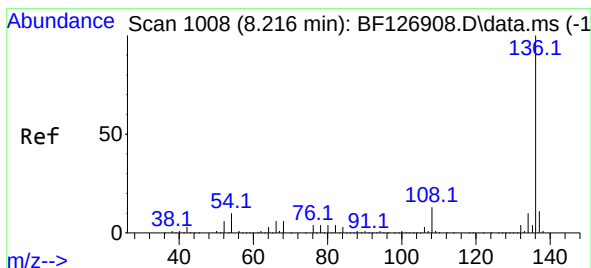
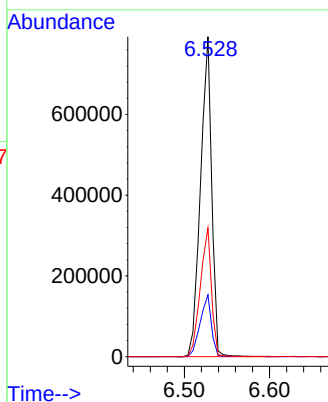
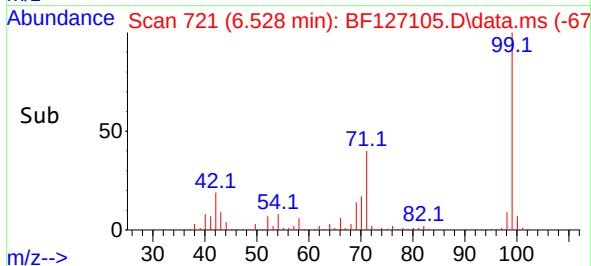
Instrument :
BNA_F
ClientSampleId :
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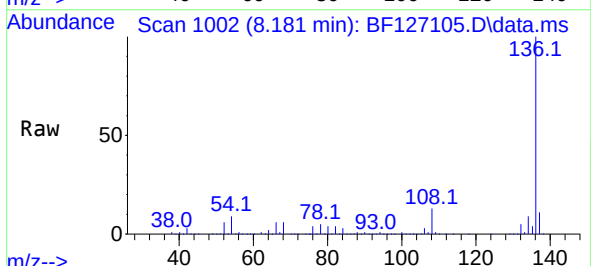
Tgt Ion: 99 Resp: 72258
Ion Ratio Lower Upper
99 100
42 19.3 14.2 21.4
71 40.2 24.3 36.5

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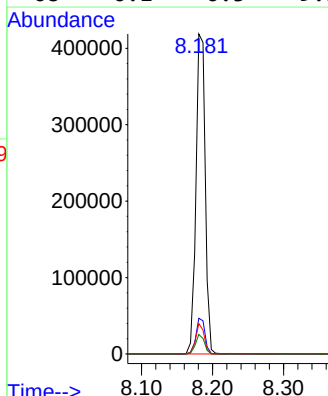
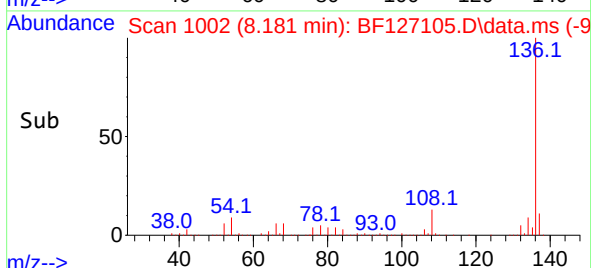
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

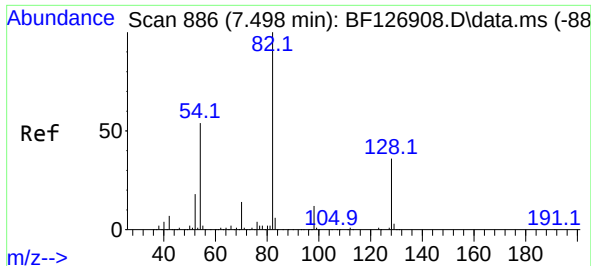


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



Tgt Ion:136 Resp: 381991
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.5 7.8 11.6
68 6.1 6.3 9.5





#23

Nitrobenzene-d5

Concen: 58.939 ng

RT: 7.463 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127105.D

Acq: 28 Feb 2022 17:44

Instrument :

BNA_F

ClientSampleId :

TP-9

Tgt Ion: 82 Resp: 49879

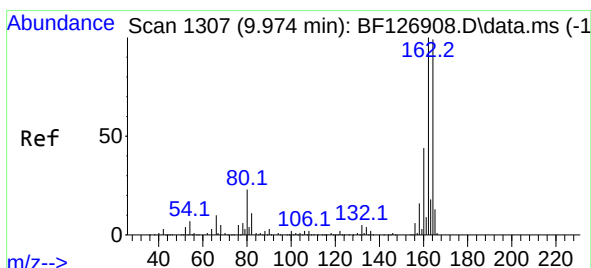
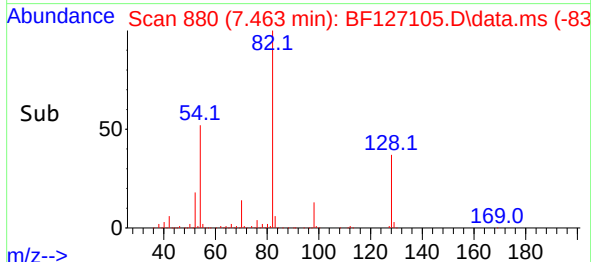
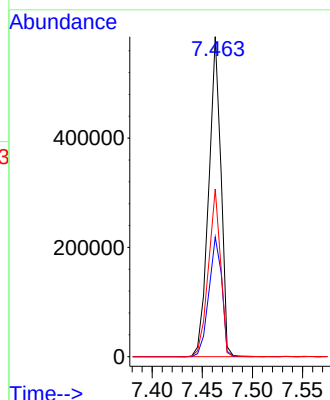
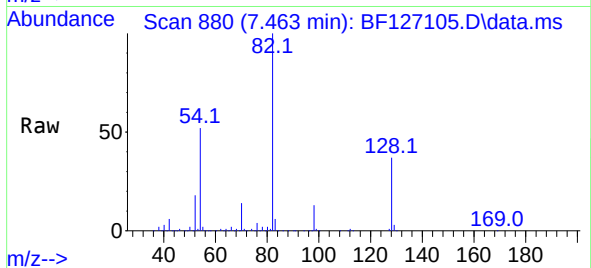
Ion	Ratio	Lower	Upper
82	100		
128	37.4	32.7	49.1
54	52.4	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1301

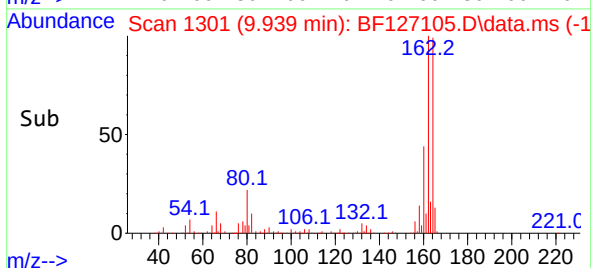
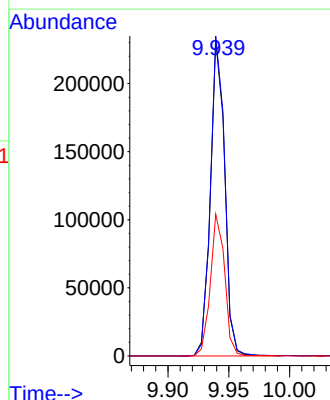
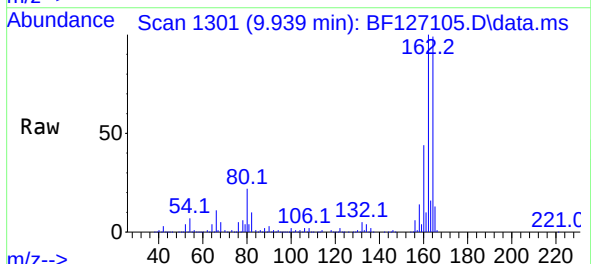
Delta R.T. -0.012 min

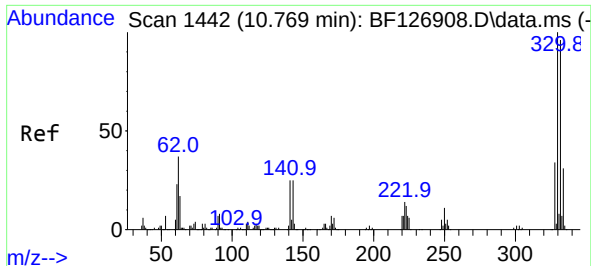
Lab File: BF127105.D

Acq: 28 Feb 2022 17:44

Tgt Ion:164 Resp: 188694

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.0
160	44.9	36.6	54.8





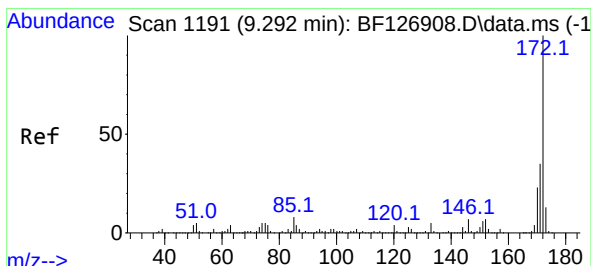
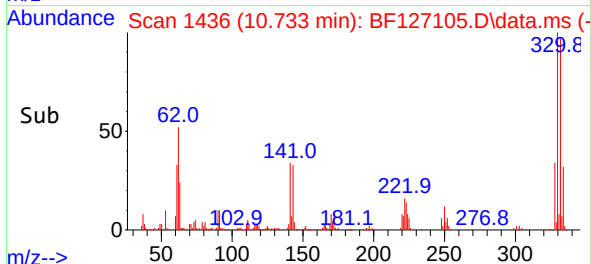
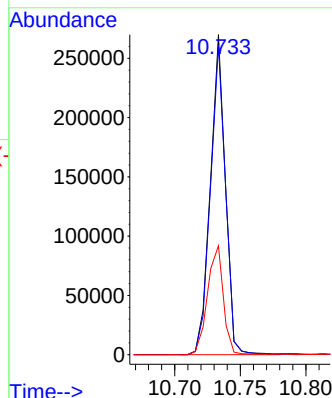
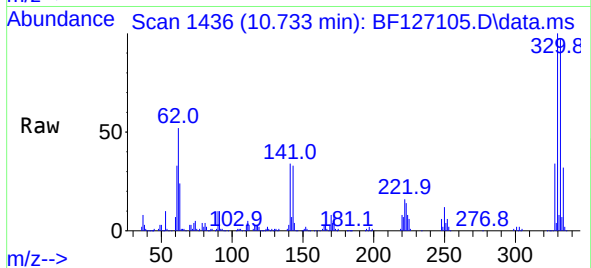
#42
2,4,6-Tribromophenol
Concen: 99.353 ng
RT: 10.733 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 330 Resp: 215850
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 36.2 30.1 45.1

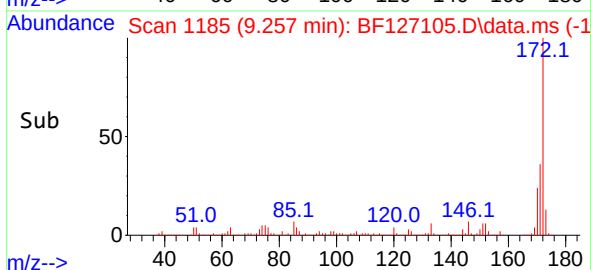
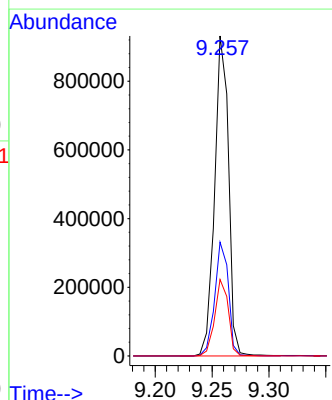
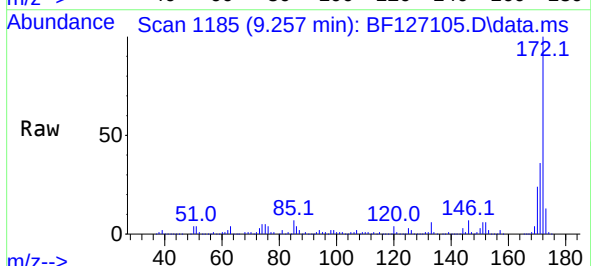
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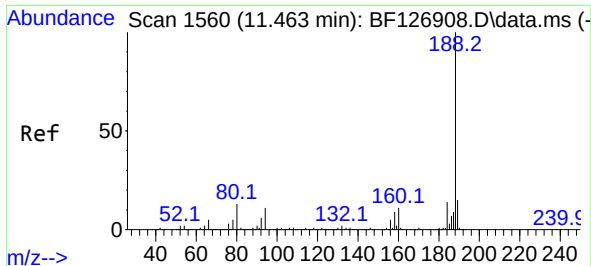
Reviewed By : Christian Giraldo 03/01/2022
Supervised By : Jagrut Upadhyay 03/01/2022



#45
2-Fluorobiphenyl
Concen: 61.978 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

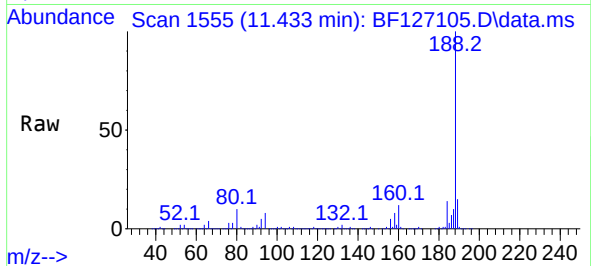
Tgt Ion: 172 Resp: 794410
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.9 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

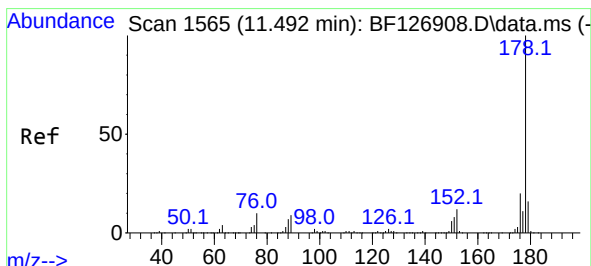
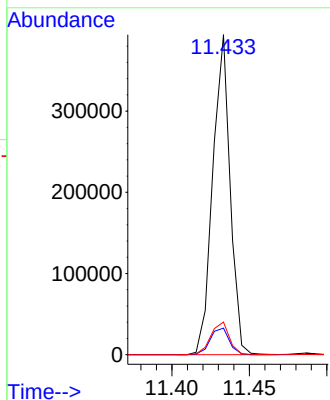
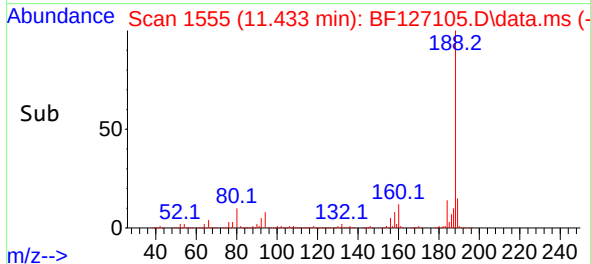
Instrument :
BNA_F
ClientSampleId :
TP-9



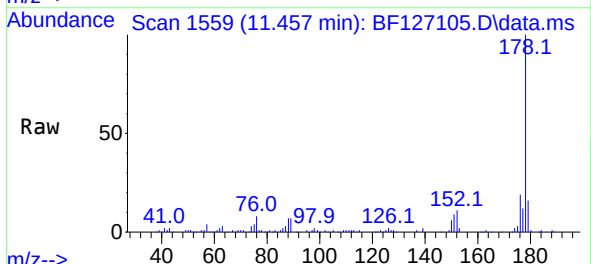
Tgt Ion:188 Resp: 306862
Ion Ratio Lower Upper
188 100
94 8.3 10.1 15.1
80 10.2 11.8 17.6

Manual Integrations
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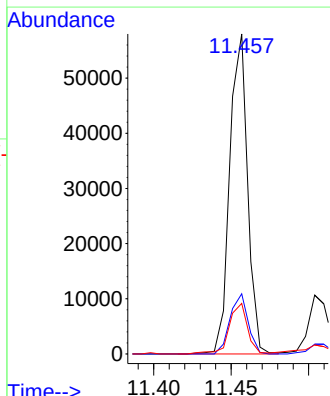
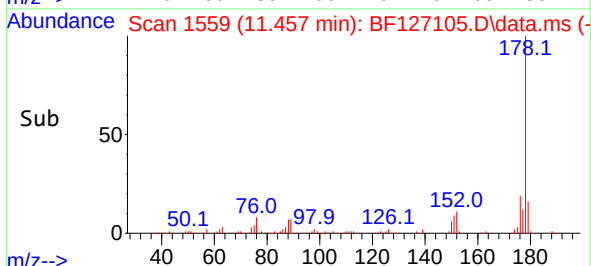
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

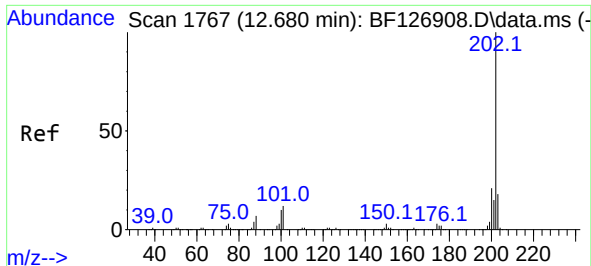


#71
Phenanthrene
Concen: 2.709 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



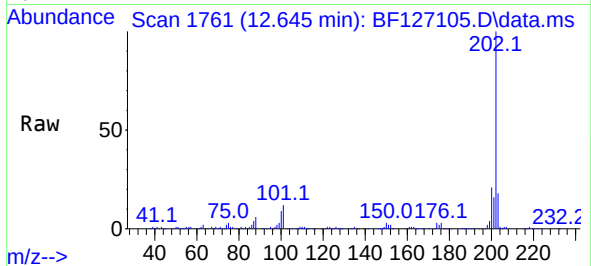
Tgt Ion:178 Resp: 46528
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.8 12.3 18.5





#75
Fluoranthene
Concen: 5.931 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

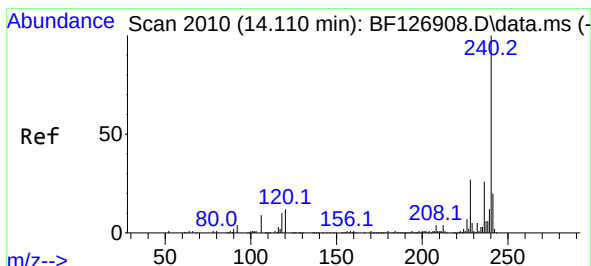
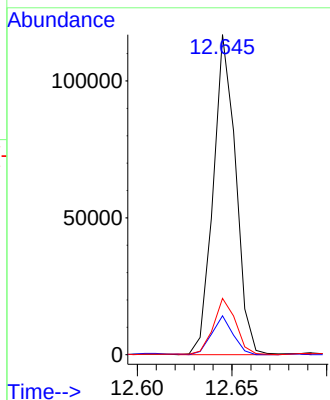
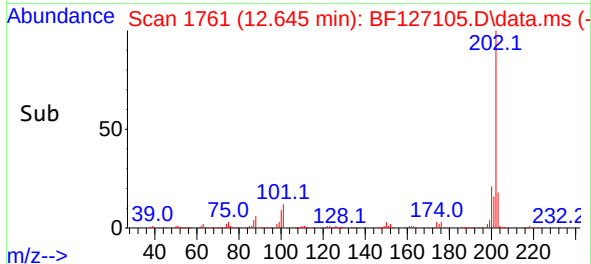
Instrument :
BNA_F
ClientSampleId :
TP-9



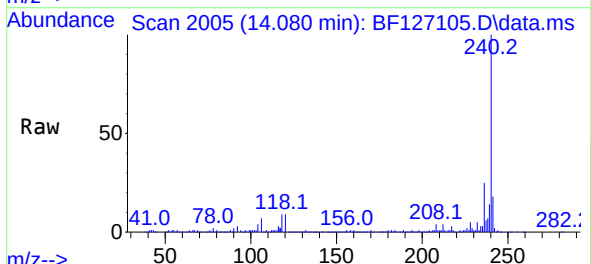
Tgt Ion:202 Resp: 96725
Ion Ratio Lower Upper
202 100
101 12.2 0.0 35.7
203 17.6 0.0 37.1

Manual Integrations
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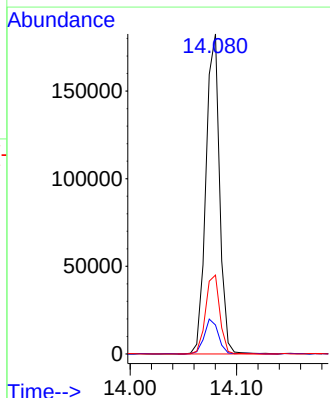
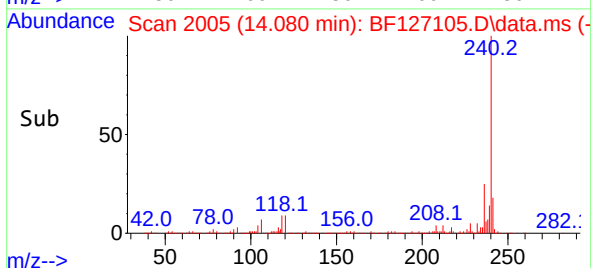
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

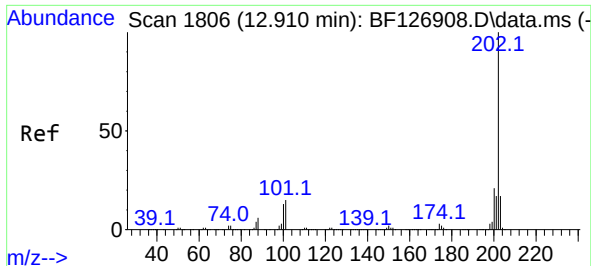


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



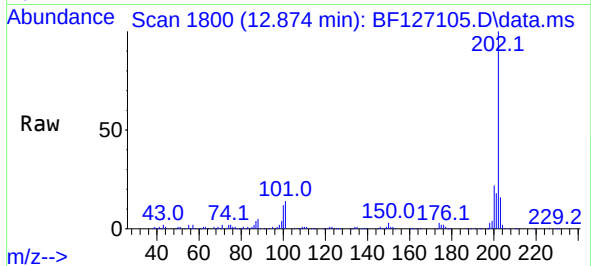
Tgt Ion:240 Resp: 163114
Ion Ratio Lower Upper
240 100
120 9.0 14.4 21.6#
236 24.6 20.5 30.7





#78
Pyrene
Concen: 6.012 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.018 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

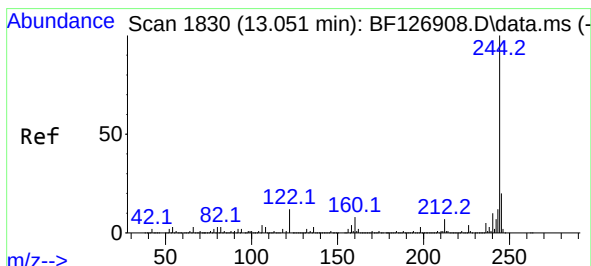
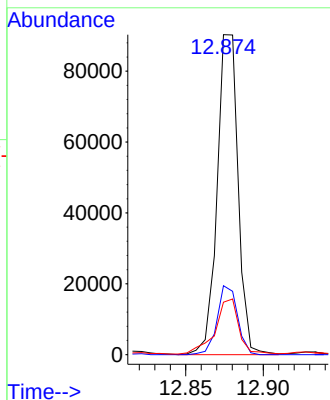
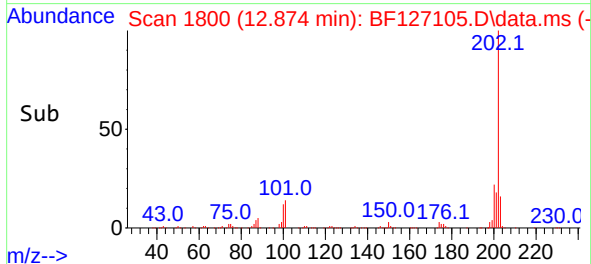
Instrument :
BNA_F
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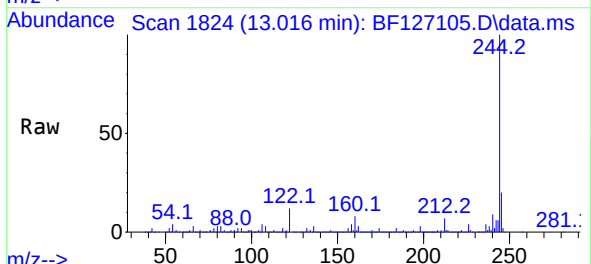
Tgt Ion:202 Resp: 85198
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 16.4 13.8 20.8

Manual Integrations
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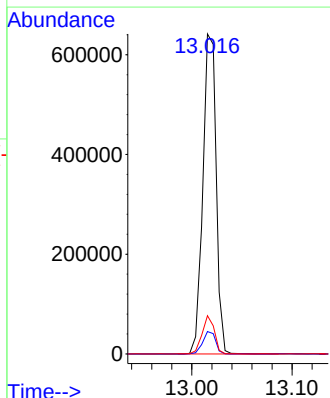
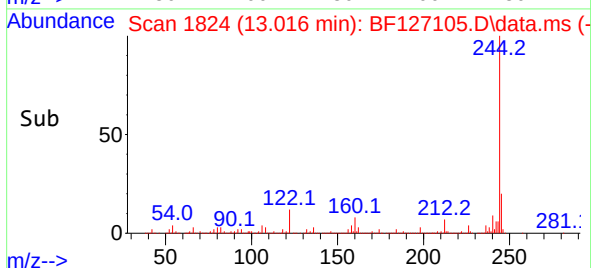
Reviewed By :Christian Giraldo 03/01/2022
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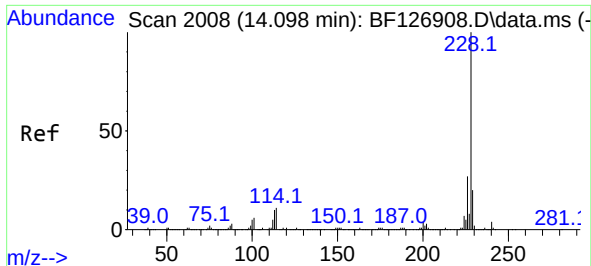


#79
Terphenyl-d14
Concen: 53.722 ng
RT: 13.016 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



Tgt Ion:244 Resp: 596090
Ion Ratio Lower Upper
244 100
212 7.0 5.0 7.4
122 12.0 13.3 19.9





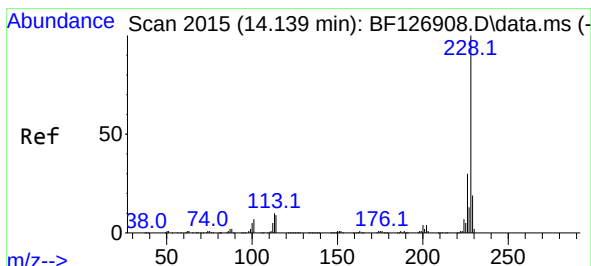
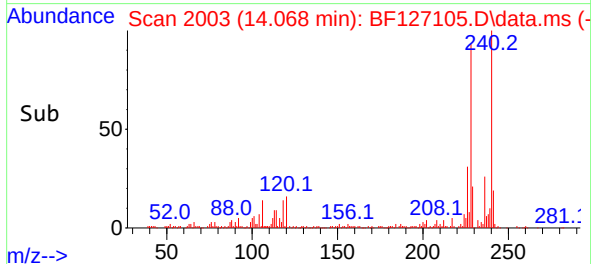
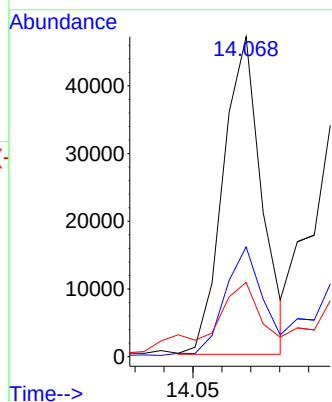
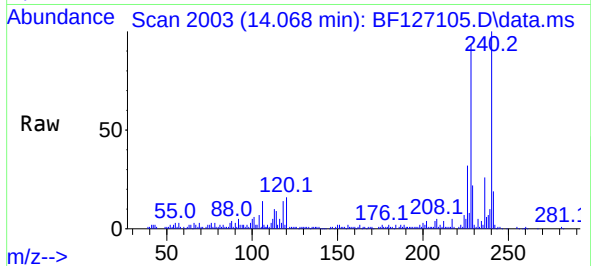
#81
Benzo(a)anthracene
Concen: 3.951 ng m
RT: 14.068 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

Instrument :
BNA_F
ClientSampleId :
TP-9

Tgt Ion:228 Resp: 4344
Ion Ratio Lower Upper
228 100
226 34.3 21.4 32.0
229 23.2 15.4 23.2

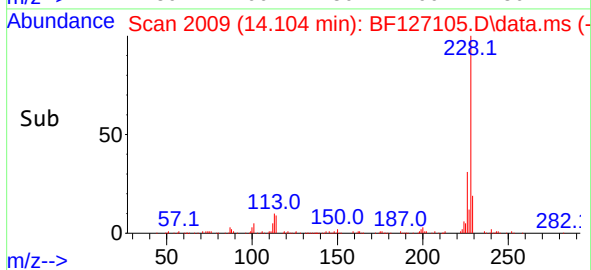
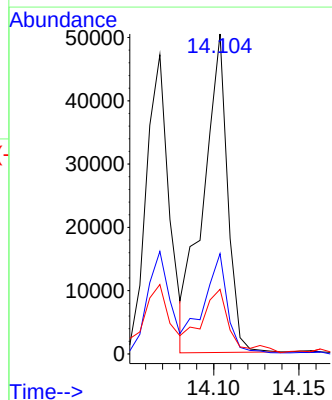
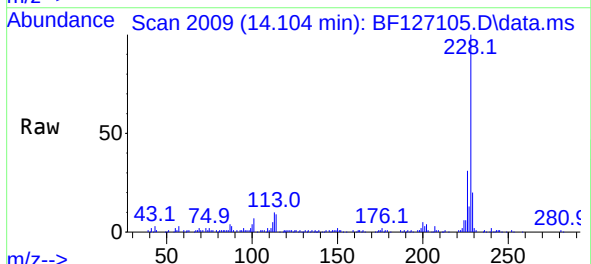
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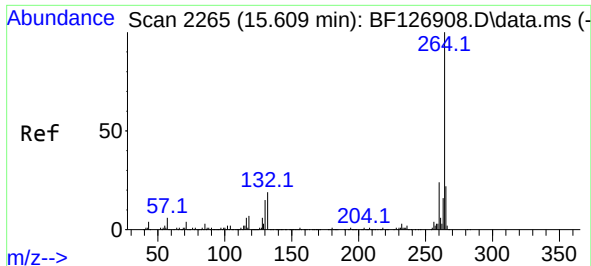
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#83
Chrysene
Concen: 4.810 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

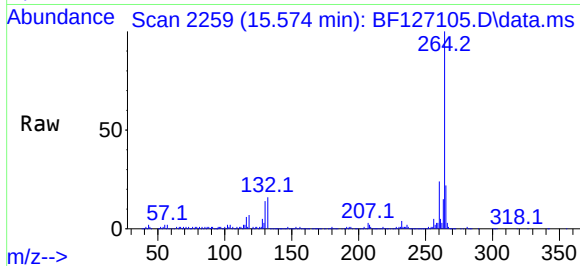
Tgt Ion:228 Resp: 49742
Ion Ratio Lower Upper
228 100
226 31.3 23.7 35.5
229 20.2 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

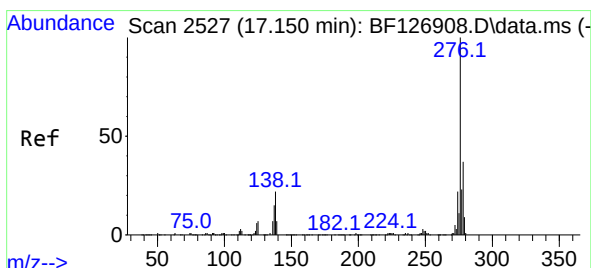
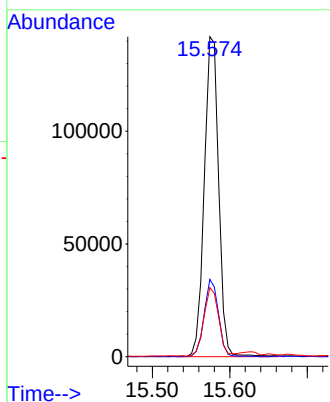
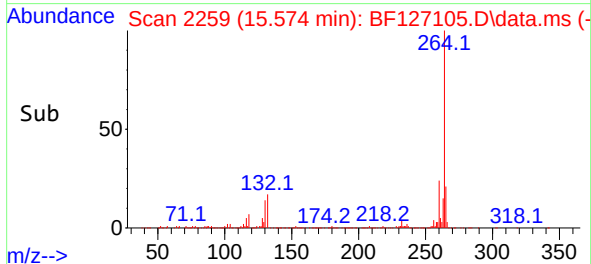
Instrument :
BNA_F
ClientSampleId :
TP-9



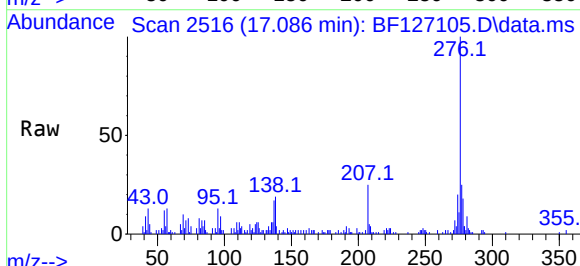
Tgt Ion:264 Resp: 183160
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.6 17.4 26.2

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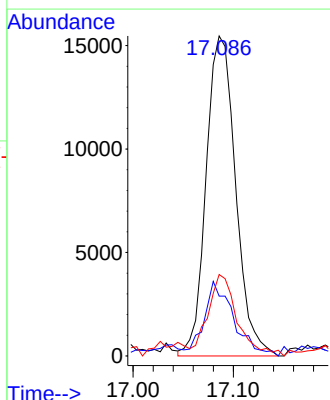
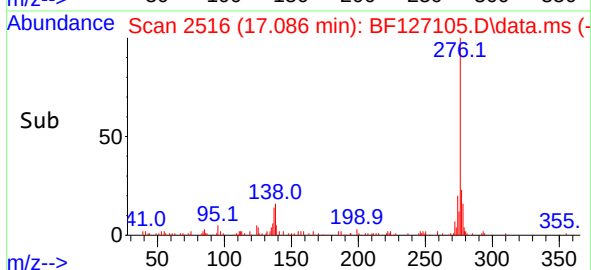
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

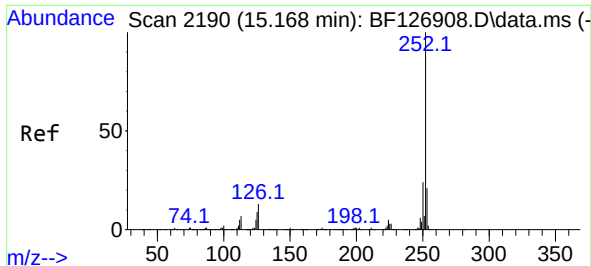


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.635 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.029 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



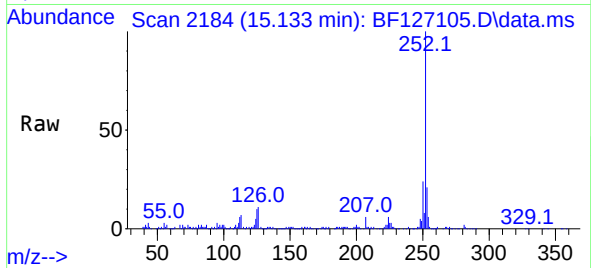
Tgt Ion:276 Resp: 31645
Ion Ratio Lower Upper
276 100
138 23.2 29.2 43.8#
277 25.2 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 7.714 ng m
RT: 15.133 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

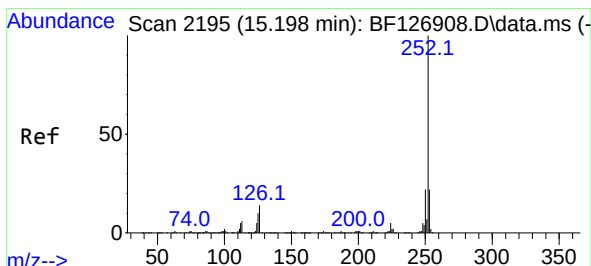
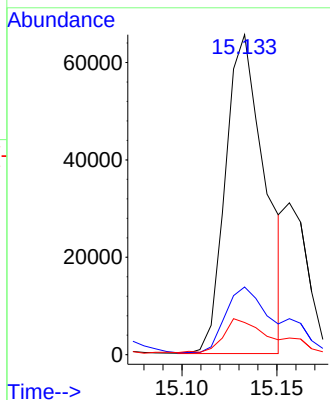
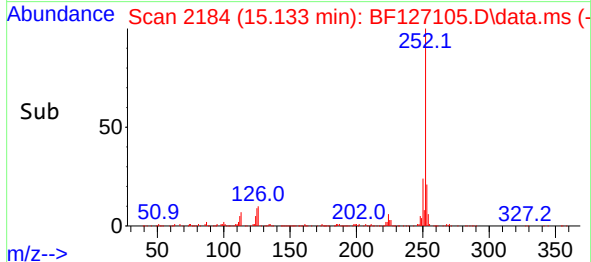
Instrument :
BNA_F
ClientSampleId :
TP-9



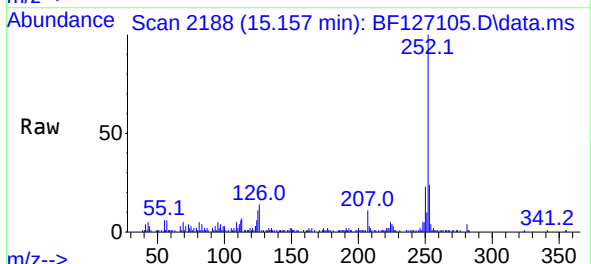
Tgt Ion:252 Resp: 9489
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.8
125 10.1 12.4 18.6

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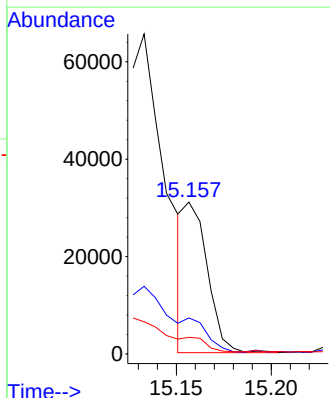
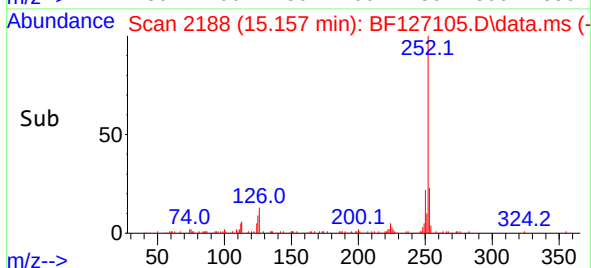
Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022

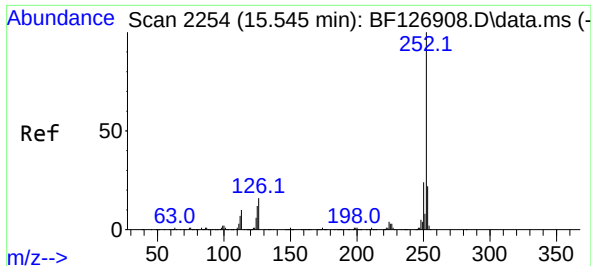


#89
Benzo(k)fluoranthene
Concen: 2.235 ng m
RT: 15.157 min Scan# 2188
Delta R.T. -0.018 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



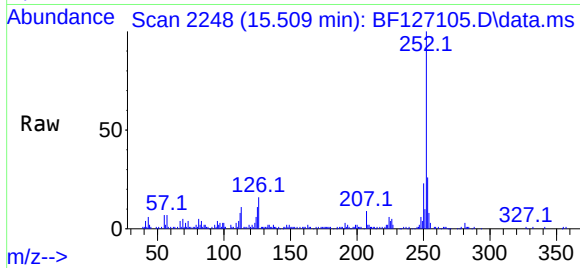
Tgt Ion:252 Resp: 26517
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 10.9 11.8 17.6





#90
Benzo(a)pyrene
Concen: 4.640 ng m
RT: 15.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44

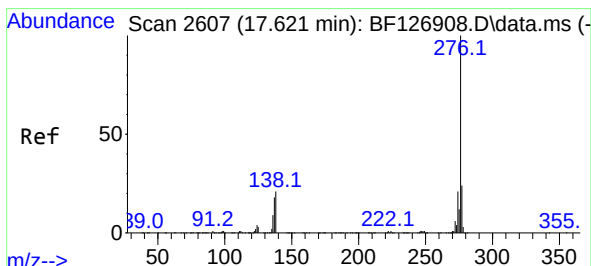
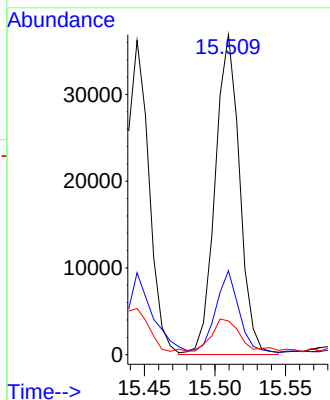
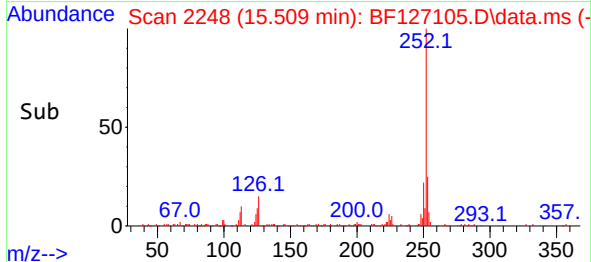
Instrument :
BNA_F
ClientSampleId :
TP-9



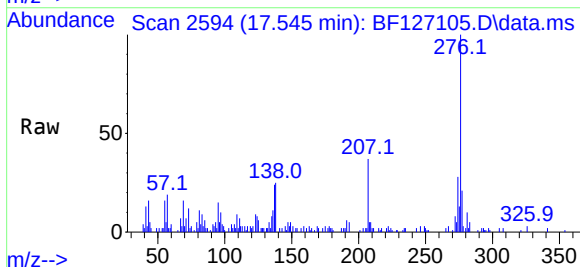
Tgt Ion:252 Resp: 44584
Ion Ratio Lower Upper
252 100
253 26.2 17.1 25.7
125 10.6 13.0 19.6

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Reviewed By :Christian Giraldo 03/01/2022
Supervised By :Jagrut Upadhyay 03/01/2022



#92
Benzo(g,h,i)perylene
Concen: 2.638 ng
RT: 17.545 min Scan# 2594
Delta R.T. -0.035 min
Lab File: BF127105.D
Acq: 28 Feb 2022 17:44



Tgt Ion:276 Resp: 25828
Ion Ratio Lower Upper
276 100
277 21.3 18.5 27.7
138 25.3 25.9 38.9

