

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
 Data File : BF126289.D
 Acq On : 20 Dec 2021 20:51
 Operator : JU/CG
 Sample : M5083-02RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BB1RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/21/2021
 Supervised By : Jagrut Upadhyay 12/21/2021

Quant Time: Dec 21 05:12:18 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	139868	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	495944	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	199575	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	309439	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	298390	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	293367	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	923361	97.219	ng	0.00
7) Phenol-d6	6.445	99	1074497	89.098	ng	0.00
23) Nitrobenzene-d5	7.375	82	659039	71.970	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	148857	92.811	ng	0.00
45) 2-Fluorobiphenyl	9.174	172	786548	69.122	ng	0.00
79) Terphenyl-d14	12.921	244	683756	39.829	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.457	94	54529	4.028	ng	88
71) Phenanthrene	11.357	178	115717	7.245	ng	99
72) Anthracene	11.410	178	35968	2.244	ng	97
74) Di-n-butylphthalate	11.904	149	44133	2.306	ng	99
75) Fluoranthene	12.545	202	256131	17.800	ng	91
78) Pyrene	12.774	202	231681	8.451	ng	98
81) Benzo(a)anthracene	13.962	228	142337	8.053	ng	95
83) Chrysene	13.998	228	131922	7.184	ng	98
84) Bis(2-ethylhexyl)phtha...	13.962	149	117344	8.140	ng	99
87) Indeno(1,2,3-cd)pyrene	16.850	276	69535	3.554	ng	97
88) Benzo(b)fluoranthene	15.004	252	203683m	11.555	ng	
89) Benzo(k)fluoranthene	15.027	252	57675m	3.420	ng	
90) Benzo(a)pyrene	15.362	252	122766	8.380	ng	# 93
92) Benzo(g,h,i)perylene	17.280	276	63779	3.875	ng	# 91

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

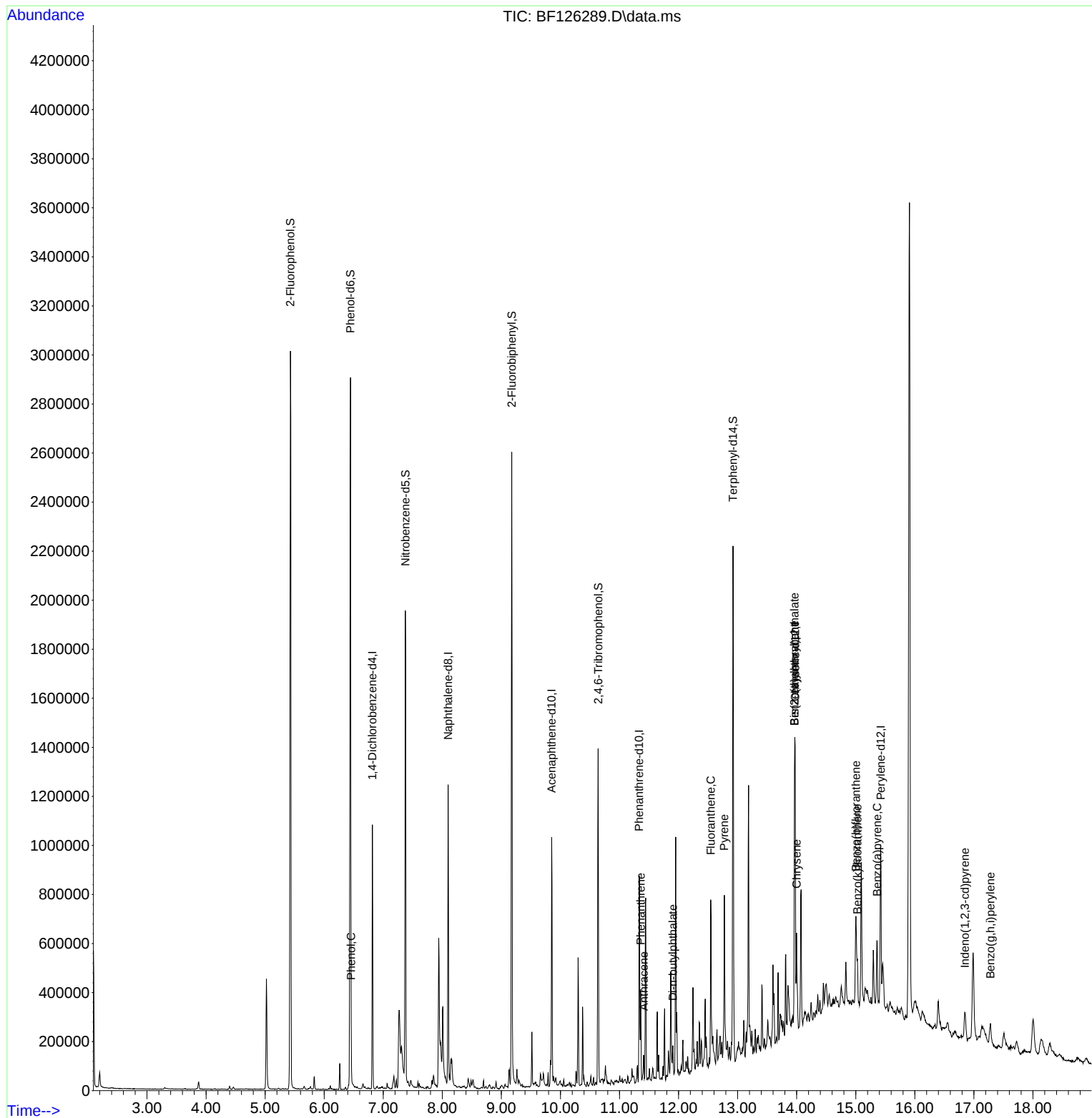
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
Data File : BF126289.D
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Misc :
ALS Vial : 22 Sample Multiplier: 1

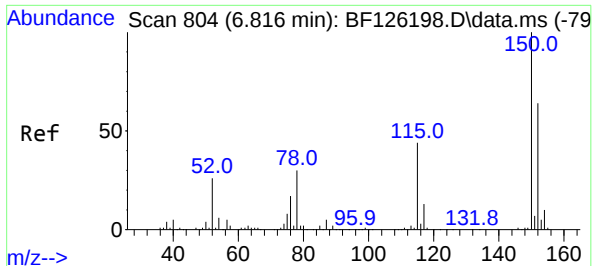
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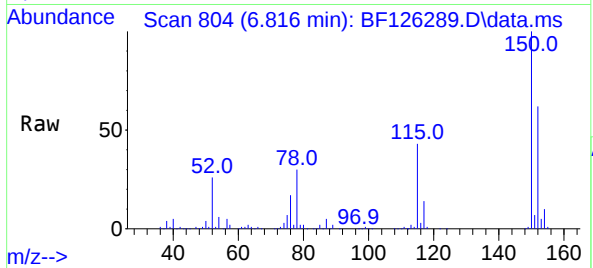
Quant Time: Dec 21 05:12:18 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

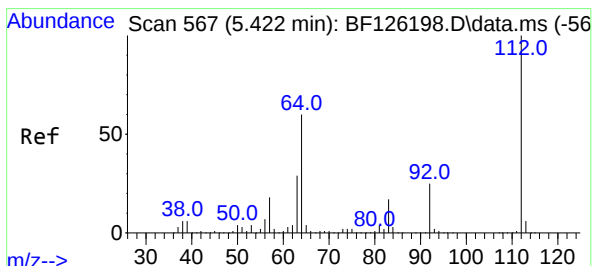
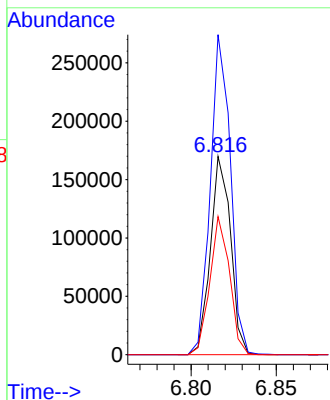
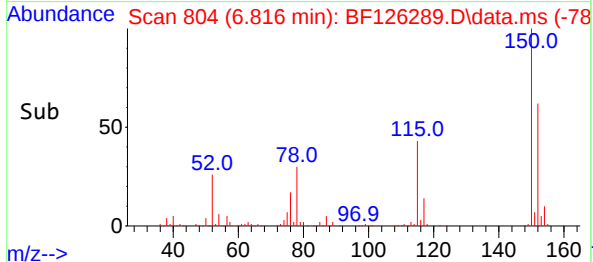
Instrument :
BNA_F
ClientSampleId :
BB1RE



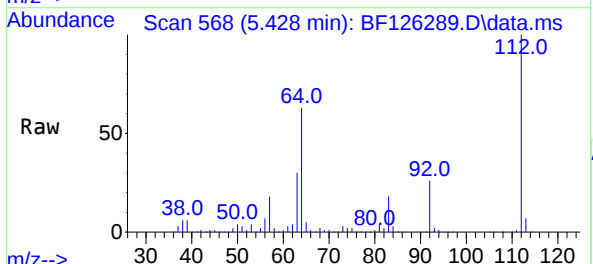
Tgt Ion:152 Resp: 139861
Ion Ratio Lower Upper
152 100
150 161.5 117.6 176.4
115 69.7 47.1 70.7

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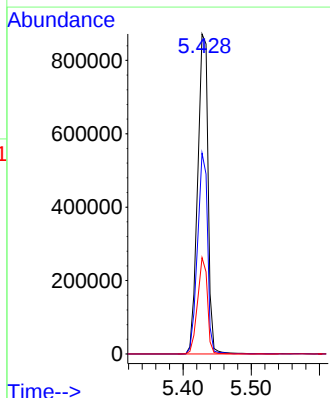
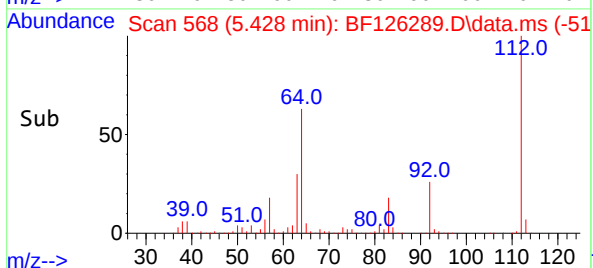
Reviewed By :Christian Giraldo 12/21/2021
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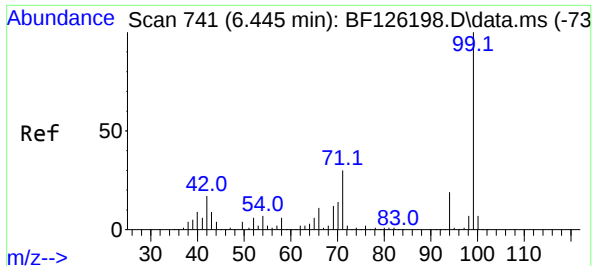


#5
2-Fluorophenol
Concen: 97.219 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



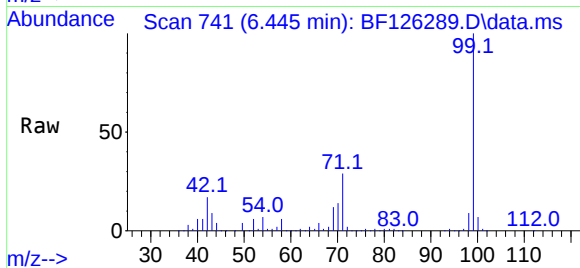
Tgt Ion:112 Resp: 923361
Ion Ratio Lower Upper
112 100
64 62.8 44.2 66.2
63 30.1 26.2 39.2





#7
Phenol-d6
Concen: 89.098 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

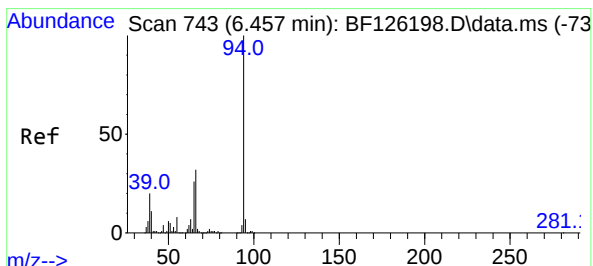
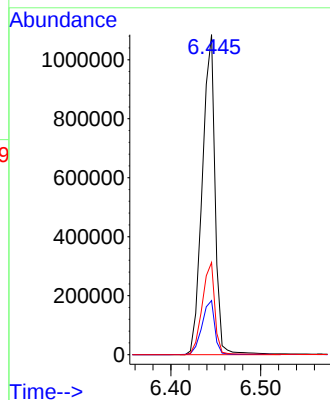
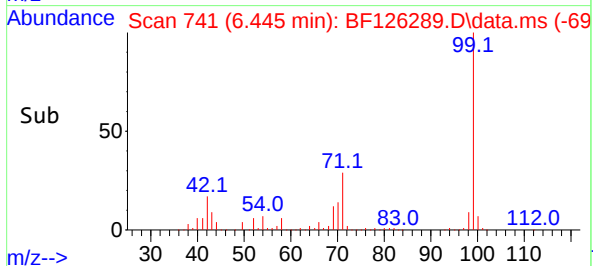
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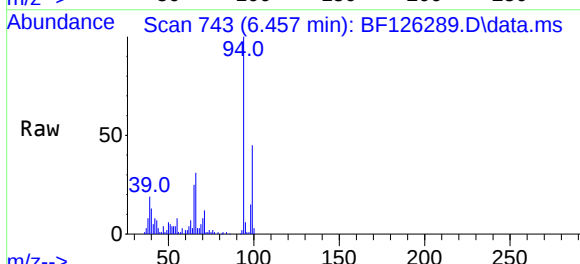
Tgt Ion: 99 Resp: 107449
Ion Ratio Lower Upper
99 100
42 16.9 23.5 35.3
71 28.8 25.6 38.4

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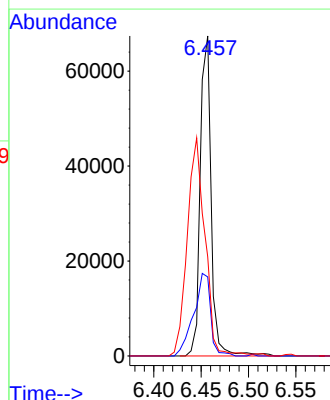
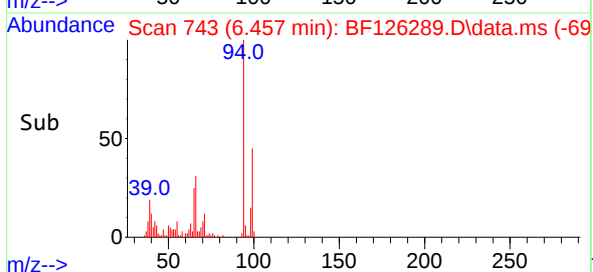
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

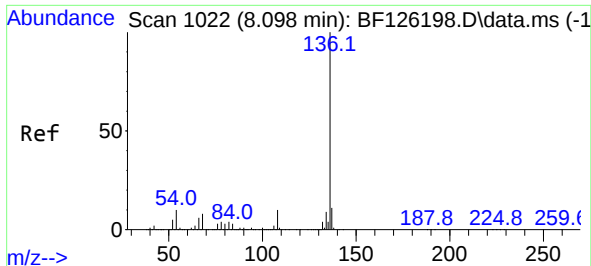


#10
Phenol
Concen: 4.028 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



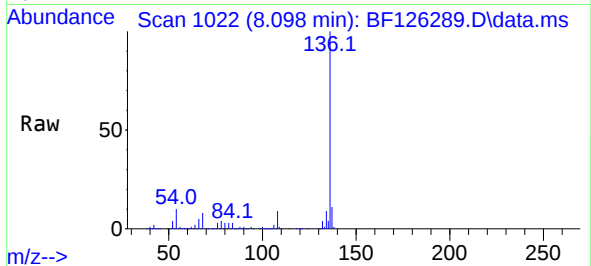
Tgt Ion: 94 Resp: 54529
Ion Ratio Lower Upper
94 100
65 24.7 9.3 49.3
66 31.0 20.3 60.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

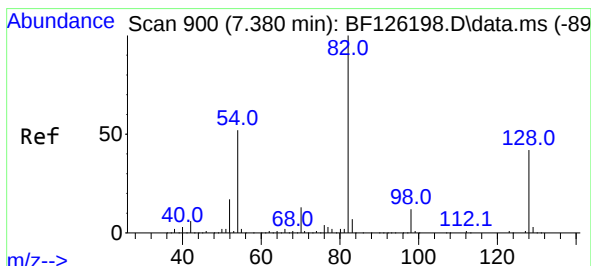
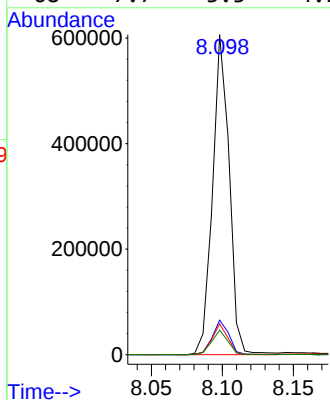
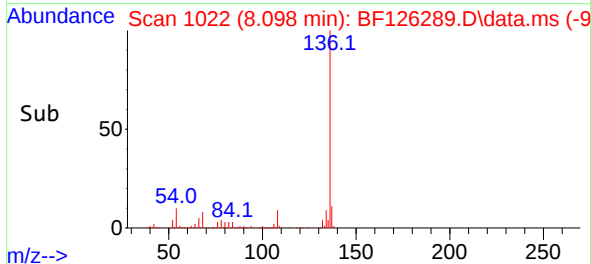
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	495944
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.8	14.6
54	9.7	6.4	9.6
68	7.7	3.3	4.9

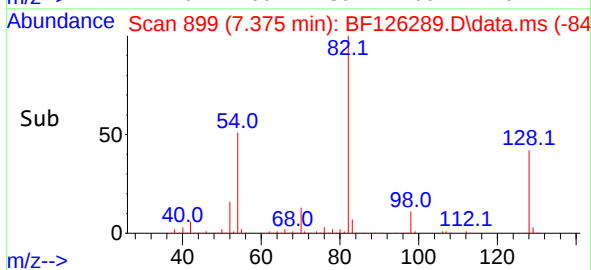
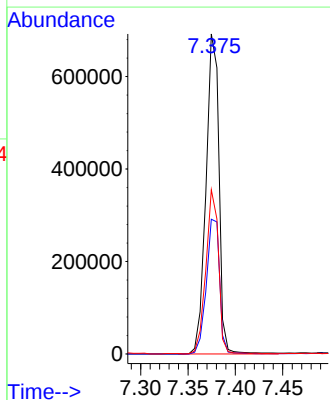
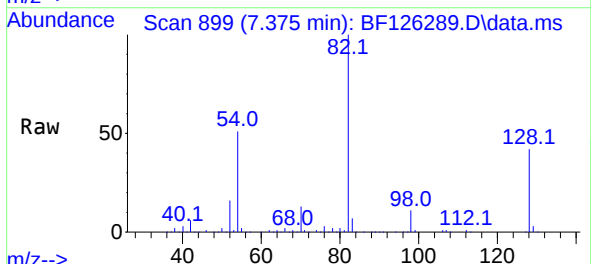
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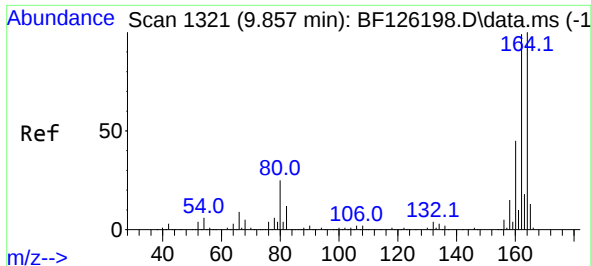
Reviewed By :Christian Giraldo 12/21/2021
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#23
Nitrobenzene-d5
Concen: 71.970 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

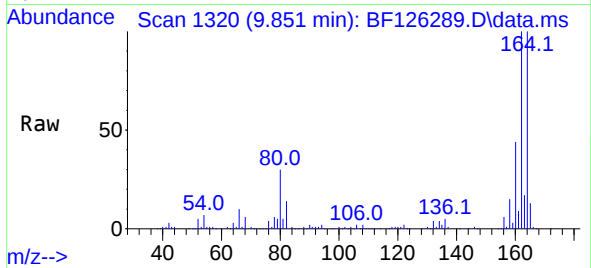
Tgt Ion:	82	Resp:	659039
Ion	Ratio	Lower	Upper
82	100		
128	42.1	40.6	60.8
54	51.3	49.6	74.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

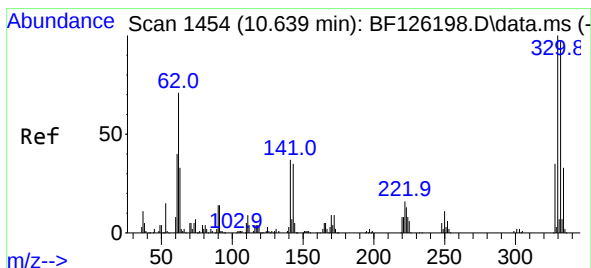
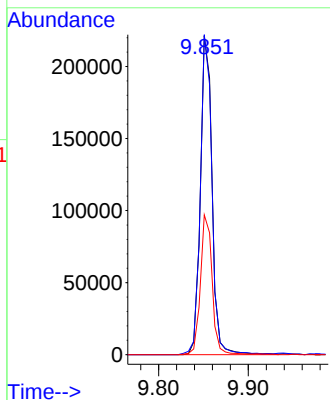
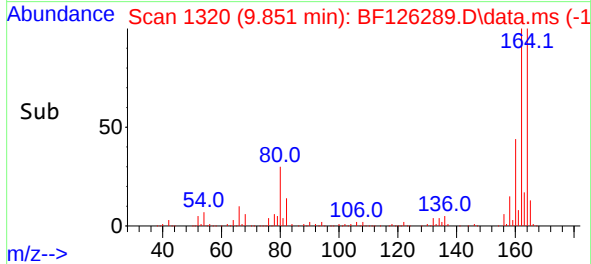
Instrument :
BNA_F
ClientSampleId :
BB1RE



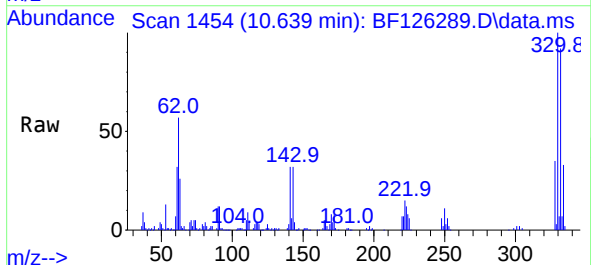
Tgt Ion:164 Resp: 19957
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 43.9 38.0 57.0

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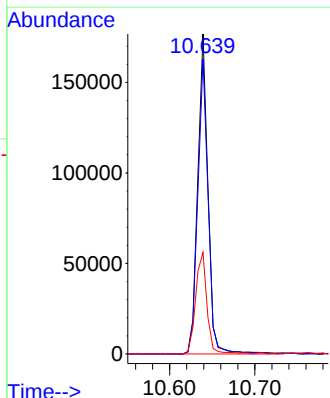
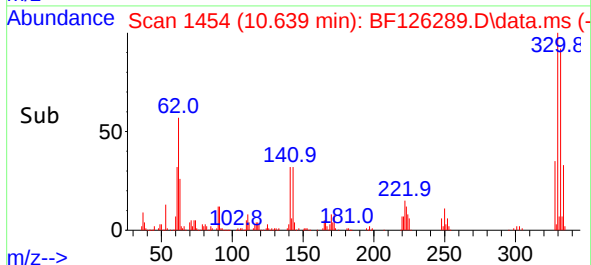
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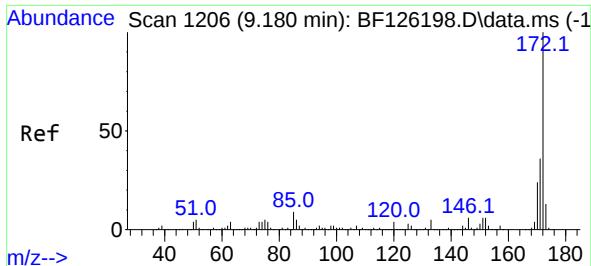


#42
2,4,6-Tribromophenol
Concen: 92.811 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



Tgt Ion:330 Resp: 148857
Ion Ratio Lower Upper
330 100
332 93.7 76.2 114.4
141 34.9 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 69.122 ng

RT: 9.174 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126289.D

Acq: 20 Dec 2021 20:51

Instrument :

BNA_F

ClientSampleId :

BB1RE

Tgt Ion:172 Resp: 786548

Ion Ratio Lower Upper

172 100

171 34.2 26.5 39.7

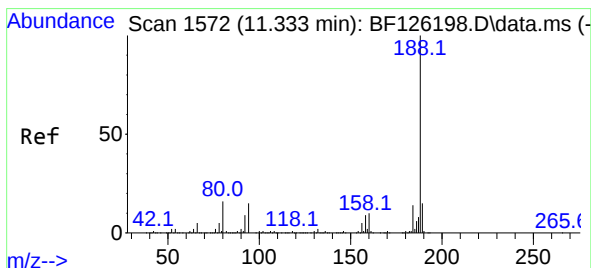
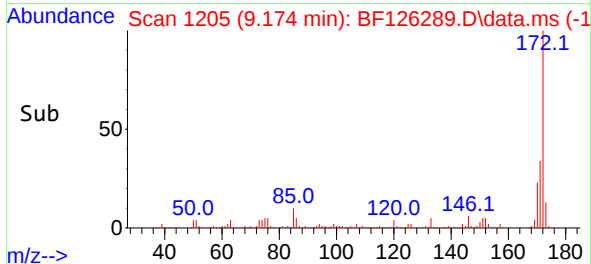
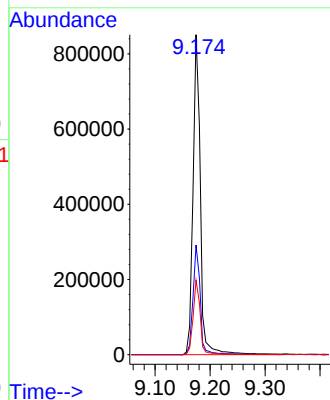
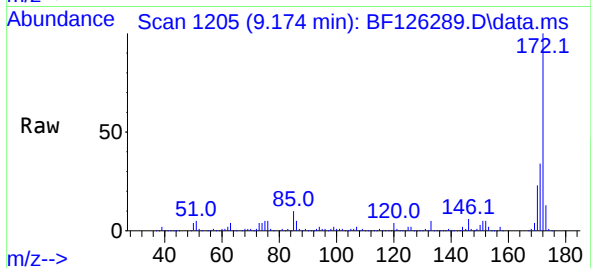
170 23.3 18.8 28.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 12/21/2021



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF126289.D

Acq: 20 Dec 2021 20:51

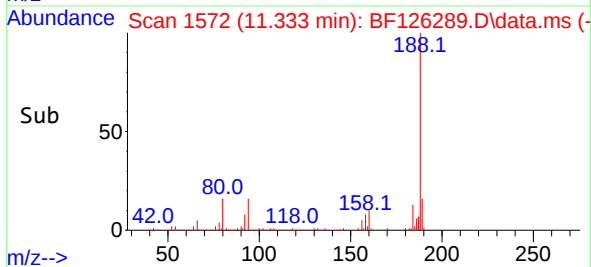
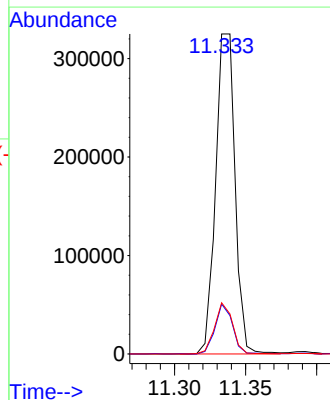
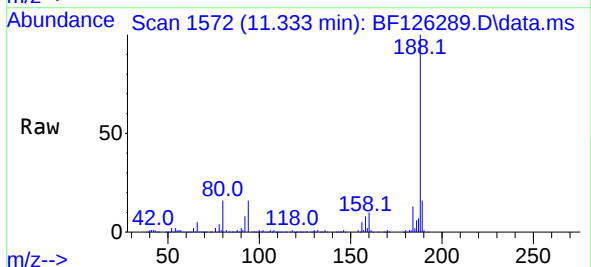
Tgt Ion:188 Resp: 309439

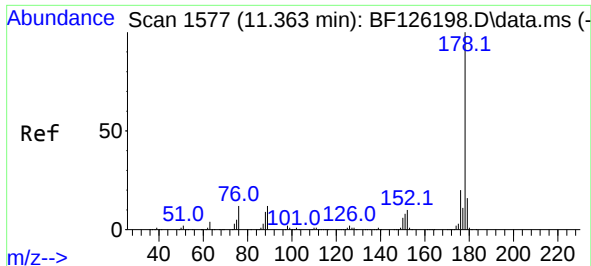
Ion Ratio Lower Upper

188 100

94 15.6 6.7 10.1#

80 16.0 7.5 11.3#





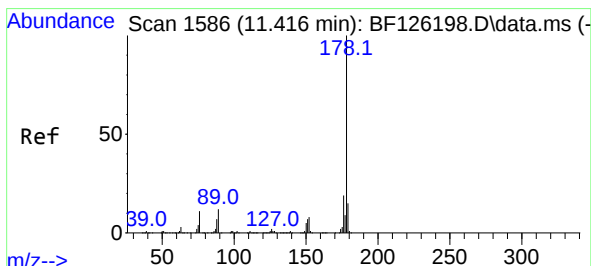
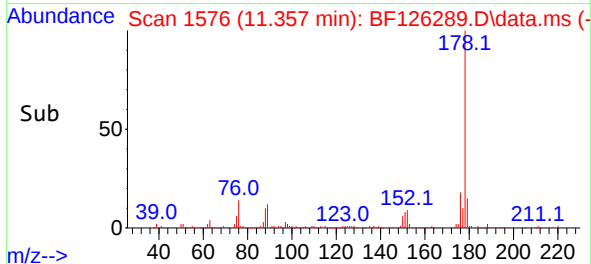
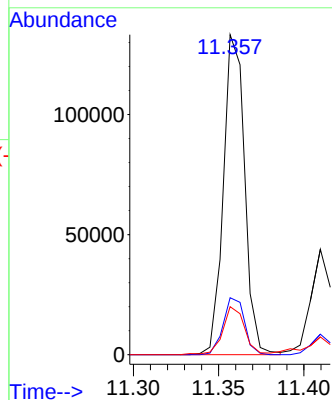
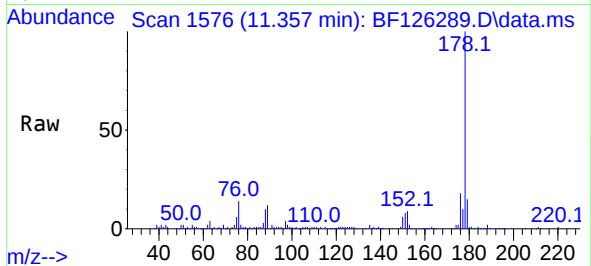
#71
Phenanthrene
Concen: 7.245 ng
RT: 11.357 min Scan# 11571
Delta R.T. -0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Instrument :
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BB1RE

Tgt Ion:178 Resp: 11571
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 15.0 11.5 17.3

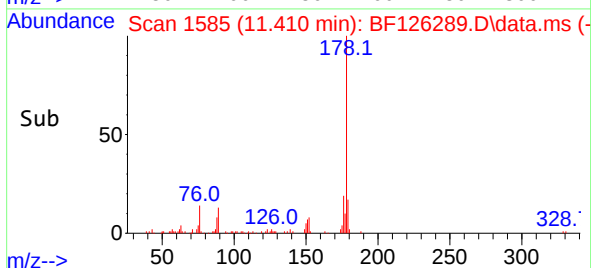
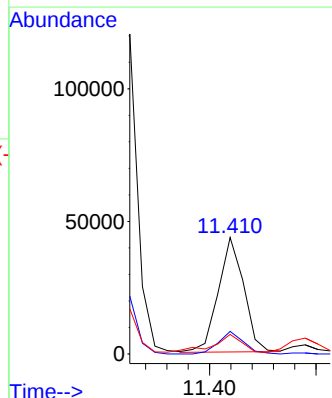
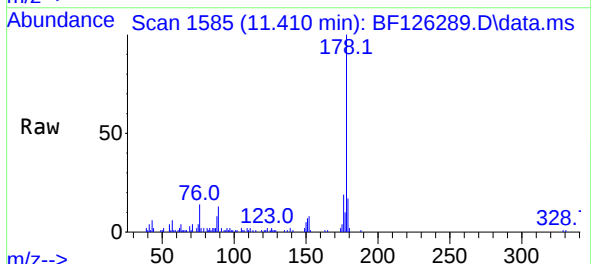
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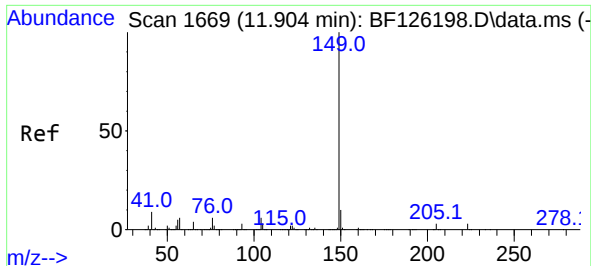
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#72
Anthracene
Concen: 2.244 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

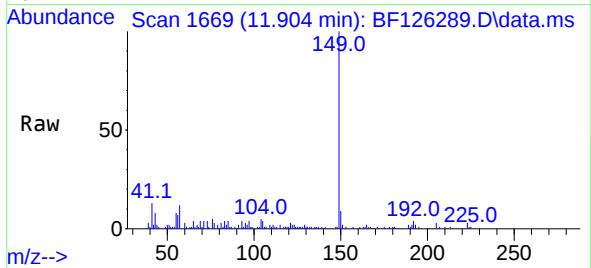
Tgt Ion:178 Resp: 35968
Ion Ratio Lower Upper
178 100
176 19.4 14.3 21.5
179 16.8 12.2 18.4





#74
Di-n-butylphthalate
Concen: 2.306 ng
RT: 11.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

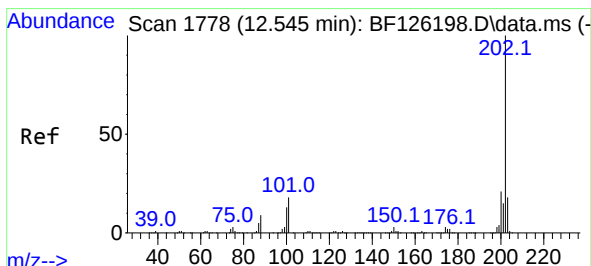
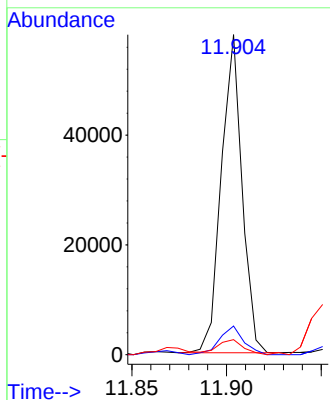
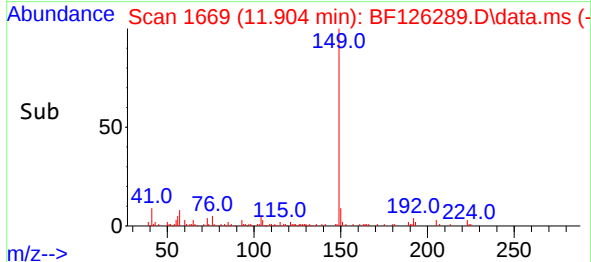
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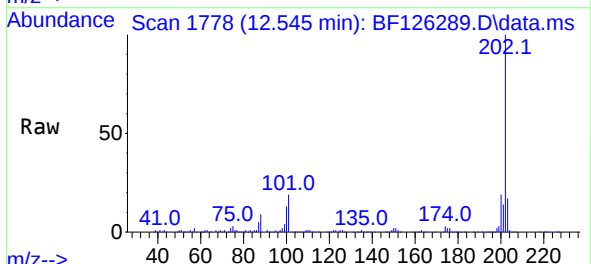
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Ion Ratio Lower Upper
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150 9.0 7.4 11.2
104 4.7 4.1 6.1

Manual Integrations
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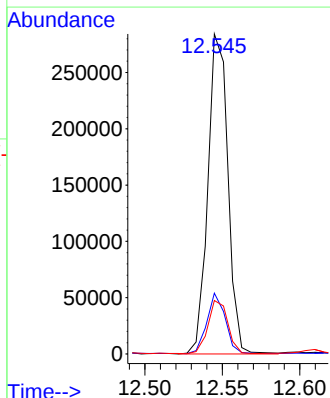
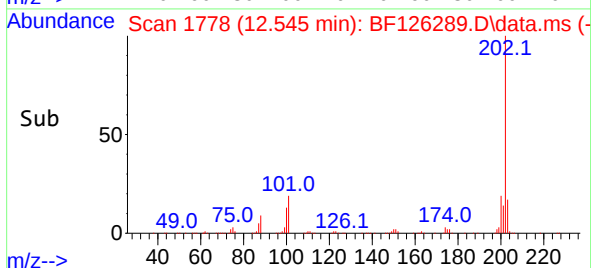
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

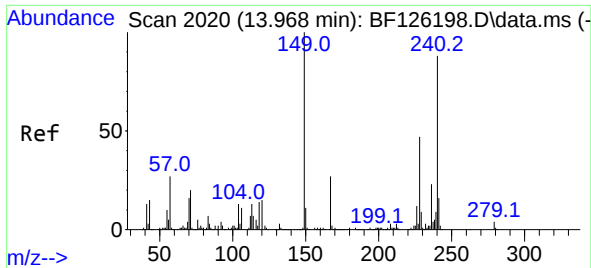


#75
Fluoranthene
Concen: 17.800 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



Tgt Ion:202 Resp: 256131
Ion Ratio Lower Upper
202 100
101 19.0 0.0 30.7
203 16.7 0.0 36.3





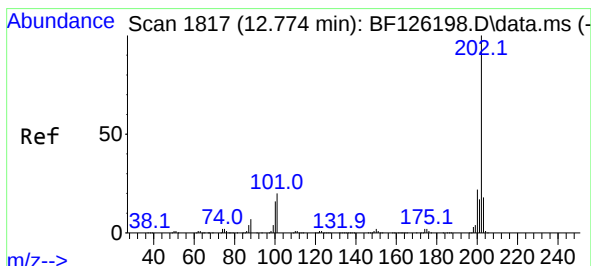
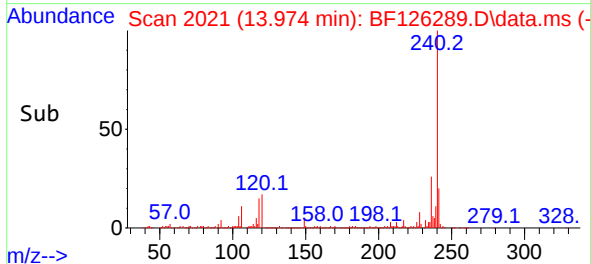
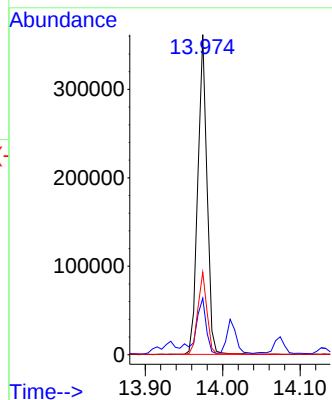
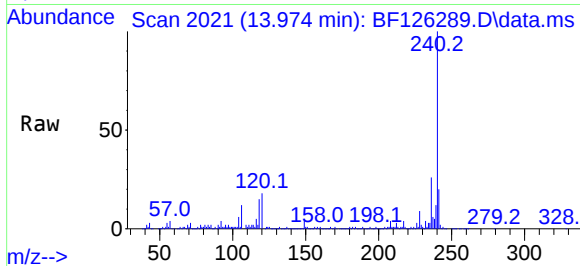
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Instrument :
BNA_F
ClientSampleId :
BB1RE

Tgt Ion:240 Resp: 298390
Ion Ratio Lower Upper
240 100
120 17.6 10.8 16.2
236 25.8 21.6 32.4

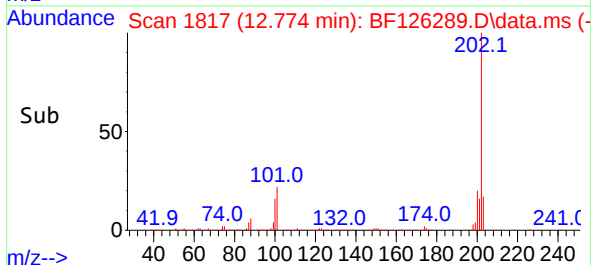
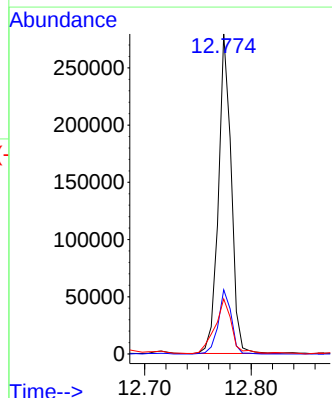
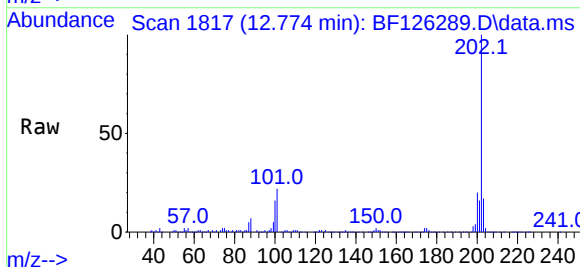
Manual Integrations
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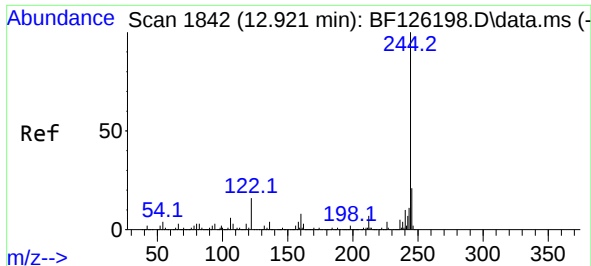
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021



#78
Pyrene
Concen: 8.451 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

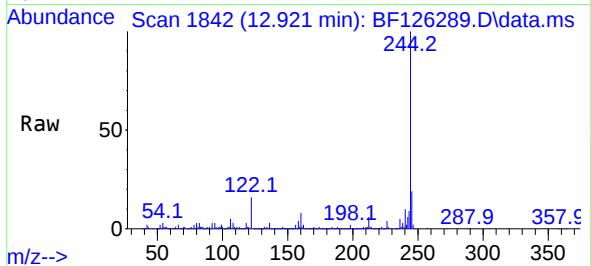
Tgt Ion:202 Resp: 231681
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 17.2 13.4 20.0





#79
 Terphenyl-d14
 Concen: 39.829 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF126289.D
 Acq: 20 Dec 2021 20:51

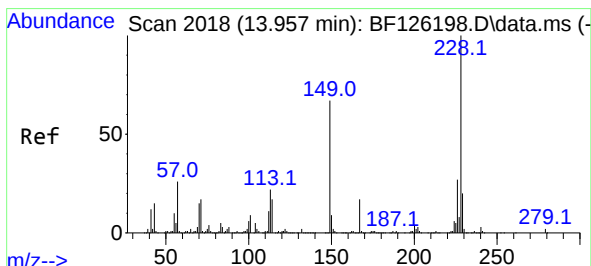
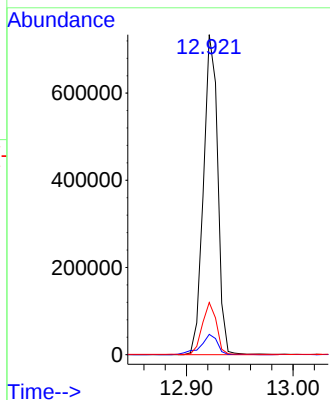
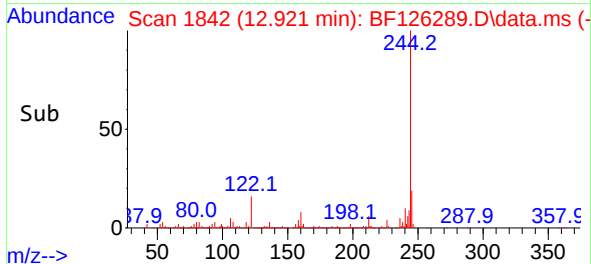
Instrument :
 BNA_F
 ClientSampleId :
 BB1RE



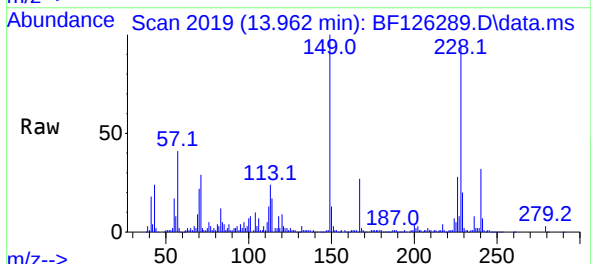
Tgt Ion:244 Resp: 683750
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.9 8.9
 122 16.3 9.0 13.4

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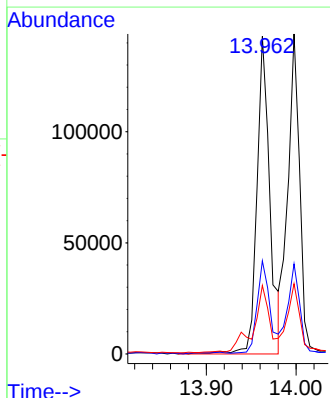
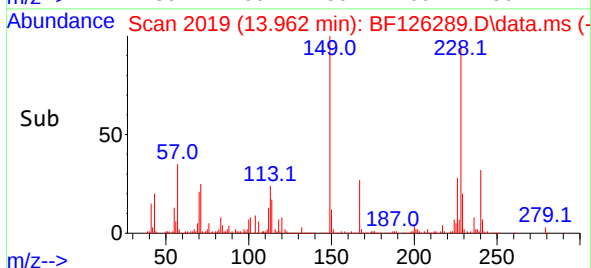
Reviewed By :Christian Giraldo 12/21/2021
 Supervised By :Jagrut Upadhyay 12/21/2021

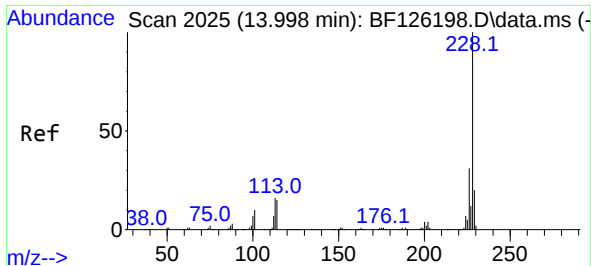


#81
 Benzo(a)anthracene
 Concen: 8.053 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF126289.D
 Acq: 20 Dec 2021 20:51



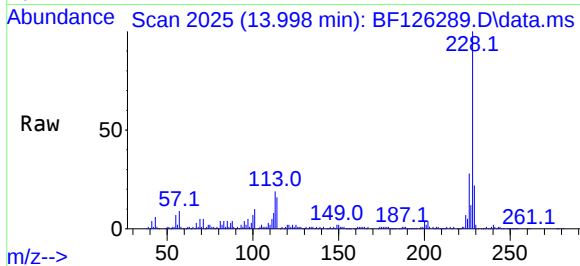
Tgt Ion:228 Resp: 142337
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.6 32.4
 229 21.6 15.6 23.4





#83
Chrysene
Concen: 7.184 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

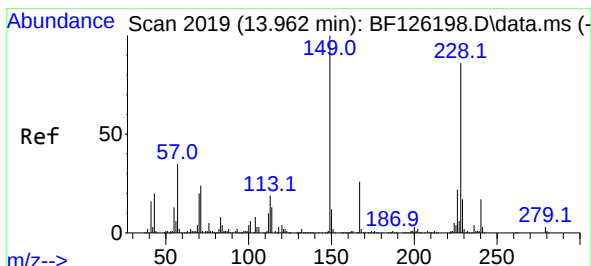
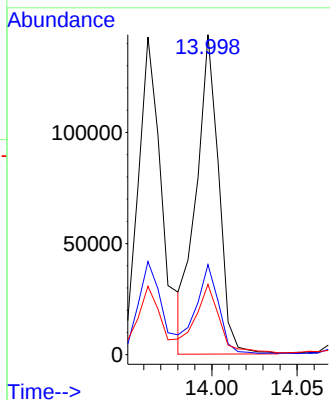
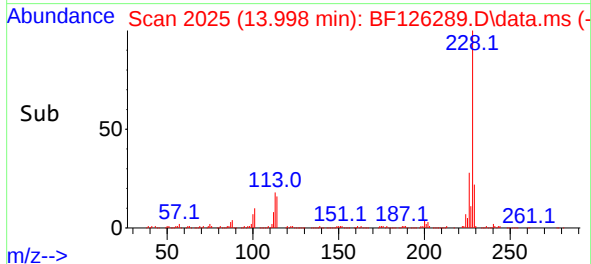
Instrument :
BNA_F
ClientSampleId :
BB1RE



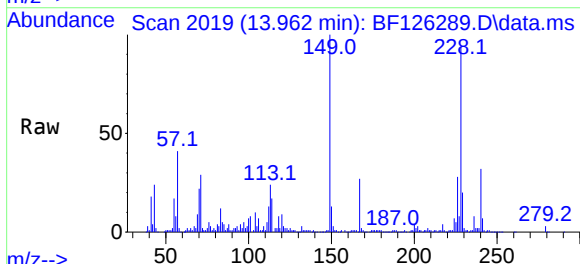
Tgt Ion:228 Resp: 131922
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 22.0 15.9 23.9

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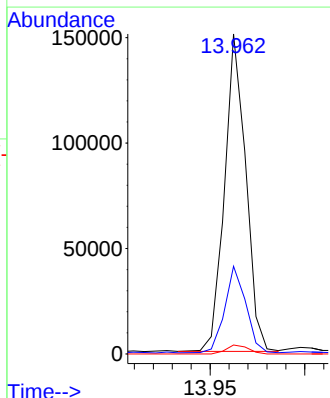
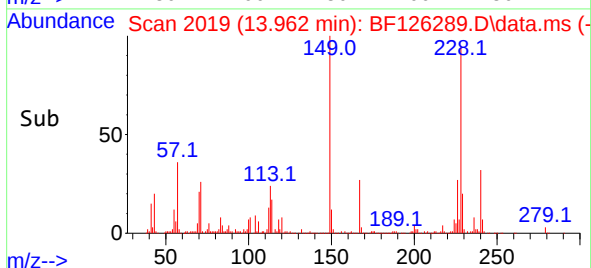
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

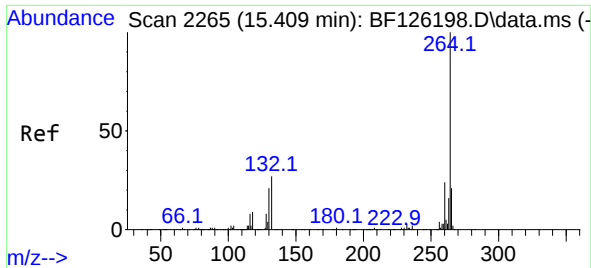


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.140 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



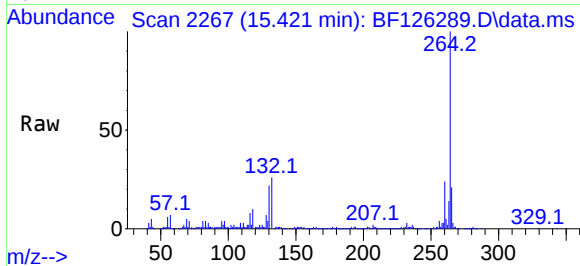
Tgt Ion:149 Resp: 117344
Ion Ratio Lower Upper
149 100
167 27.4 21.4 32.0
279 2.8 2.6 4.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

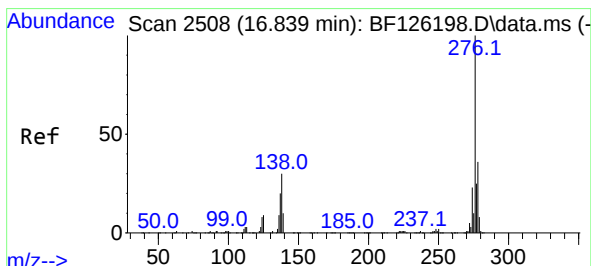
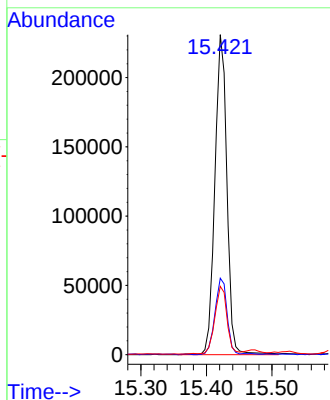
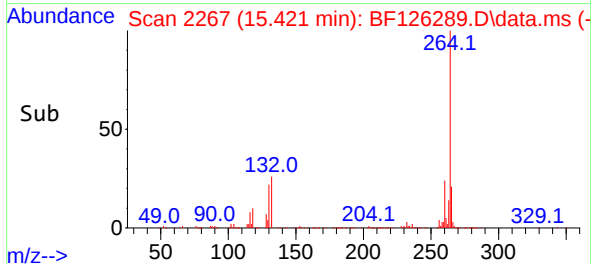
Instrument :
BNA_F
ClientSampleId :
BB1RE



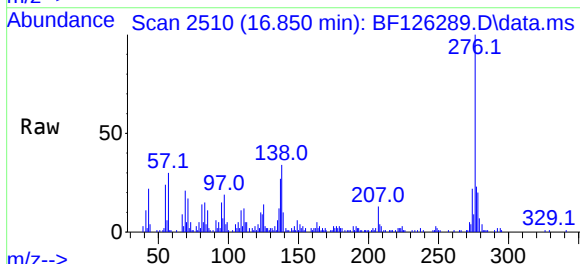
Tgt Ion:264 Resp: 29336
Ion Ratio Lower Upper
264 100
260 23.9 19.6 29.4
265 21.3 17.2 25.8

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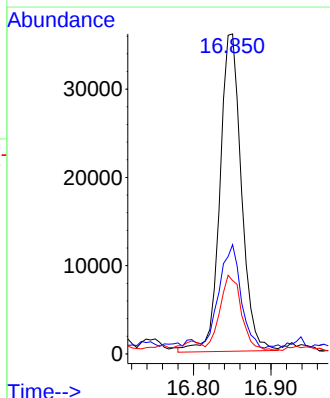
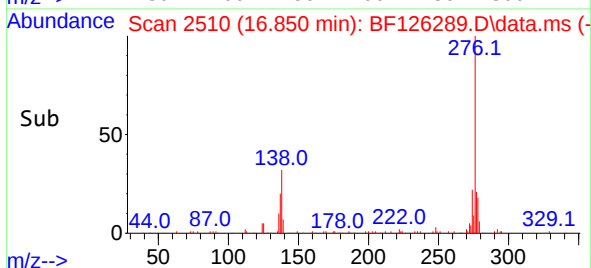
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

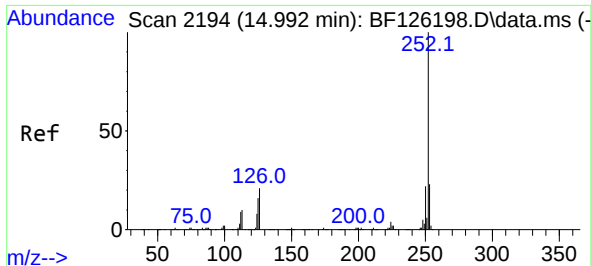


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.554 ng
RT: 16.850 min Scan# 2510
Delta R.T. 0.012 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



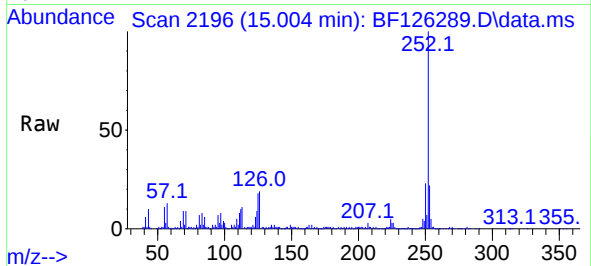
Tgt Ion:276 Resp: 69535
Ion Ratio Lower Upper
276 100
138 32.7 24.1 36.1
277 24.1 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 11.555 ng m
RT: 15.004 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

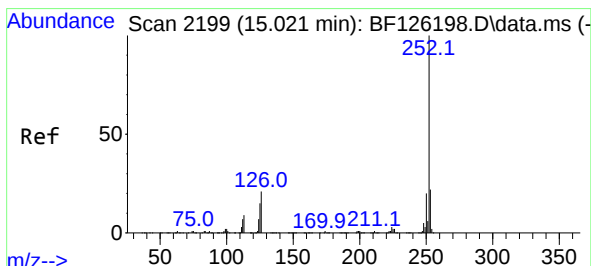
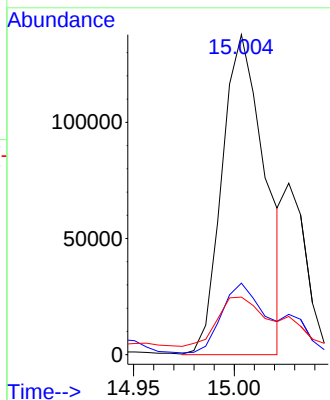
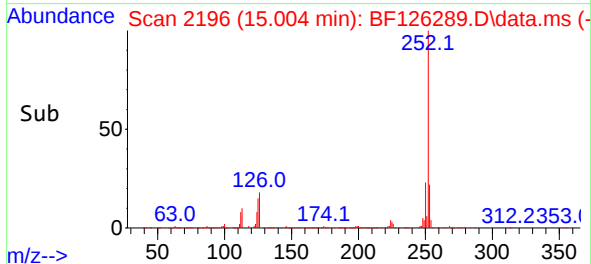
Instrument :
BNA_F
ClientSampleId :
BB1RE



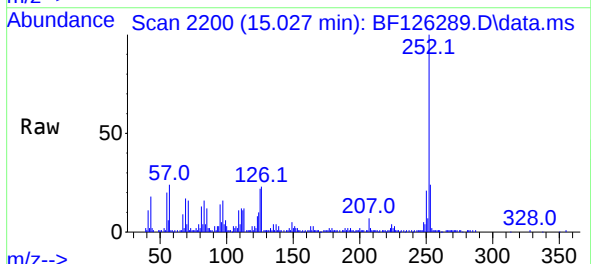
Tgt Ion:252 Resp: 20368
Ion Ratio Lower Upper
252 100
253 22.4 16.8 25.2
125 18.0 9.8 14.8

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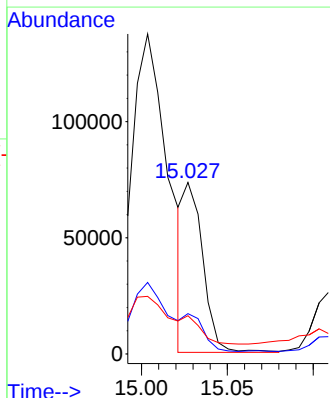
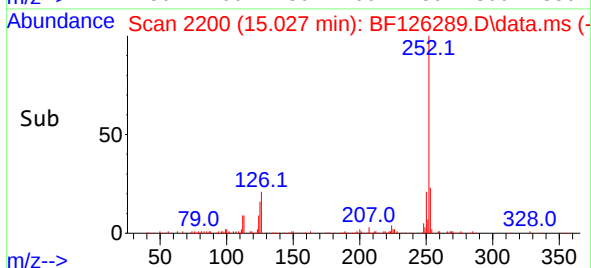
Reviewed By :Christian Giraldo 12/21/2021
Supervised By :Jagrut Upadhyay 12/21/2021

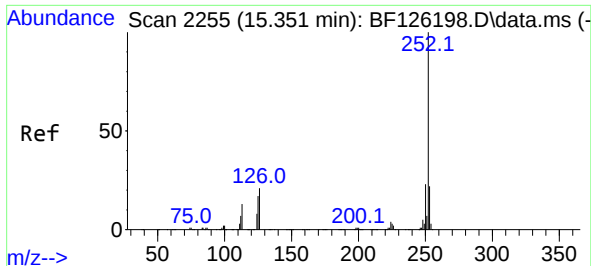


#89
Benzo(k)fluoranthene
Concen: 3.420 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51



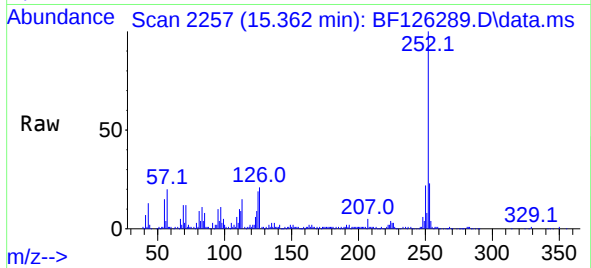
Tgt Ion:252 Resp: 57675
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 22.3 7.2 10.8





#90
Benzo(a)pyrene
Concen: 8.380 ng
RT: 15.362 min Scan# 2257
Delta R.T. 0.012 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

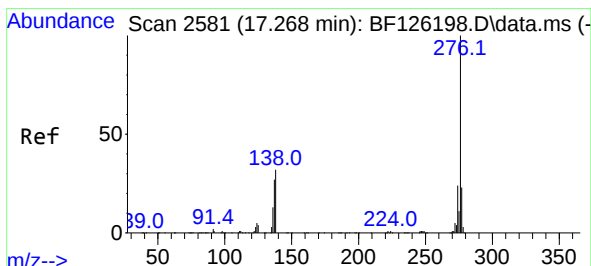
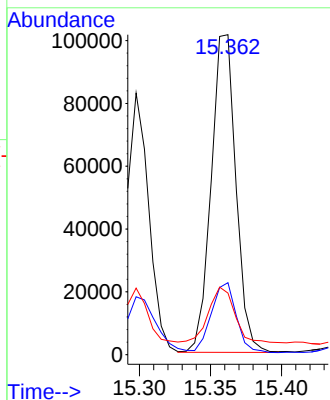
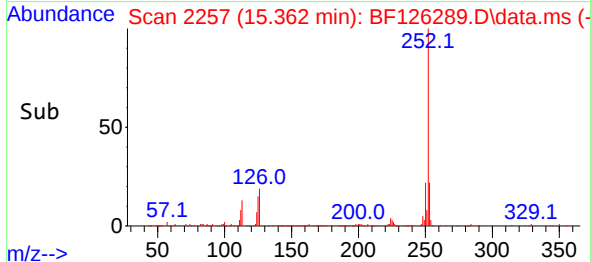
Instrument :
BNA_F
ClientSampleId :
BB1RE



Tgt Ion:252 Resp: 122760
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 19.3 9.9 14.9

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Supervised By :Jagrut Upadhyay 12/21/2021



#92
Benzo(g,h,i)perylene
Concen: 3.875 ng
RT: 17.280 min Scan# 2583
Delta R.T. 0.012 min
Lab File: BF126289.D
Acq: 20 Dec 2021 20:51

Tgt Ion:276 Resp: 63779
Ion Ratio Lower Upper
276 100
277 25.7 22.0 33.0
138 35.5 22.2 33.4

