

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127932.D
 Acq On : 27 Apr 2022 00:32
 Operator : CG\JU
 Sample : N2479-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2022
 Supervised By : Jagrut Upadhyay 04/27/2022

Quant Time: Apr 27 01:50:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	137476	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	545171	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	302774	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	475013	20.000	ng	0.00
76) Chrysene-d12	14.127	240	257542	20.000	ng	0.00
86) Perylene-d12	15.639	264	277024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1148837	133.103	ng	0.01
7) Phenol-d6	6.569	99	1548323	138.249	ng	0.00
23) Nitrobenzene-d5	7.510	82	1131515	97.600	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	398919	130.882	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1806436	100.934	ng	0.00
79) Terphenyl-d14	13.069	244	1394720	99.026	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.016	154	105981m	6.036	ng	
55) Dibenzofuran	10.186	168	60812	2.401	ng	98
58) Fluorene	10.533	166	125686	6.649	ng	100
71) Phenanthrene	11.510	178	1801571	72.455	ng	99
72) Anthracene	11.551	178	402051	16.232	ng	100
73) Carbazole	11.704	167	61536	2.578	ng	97
75) Fluoranthene	12.698	202	1295785	49.516	ng	99
78) Pyrene	12.927	202	1383275	66.535	ng	99
81) Benzo(a)anthracene	14.116	228	579334	33.749	ng	98
83) Chrysene	14.151	228	568276m	34.663	ng	
87) Indeno(1,2,3-cd)pyrene	17.180	276	180768	9.776	ng	95
88) Benzo(b)fluoranthene	15.192	252	530960m	30.516	ng	
89) Benzo(k)fluoranthene	15.215	252	153443m	8.753	ng	
90) Benzo(a)pyrene	15.574	252	427645	29.630	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	49098m	3.311	ng	
92) Benzo(g,h,i)perylene	17.651	276	165535	10.592	ng	98

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

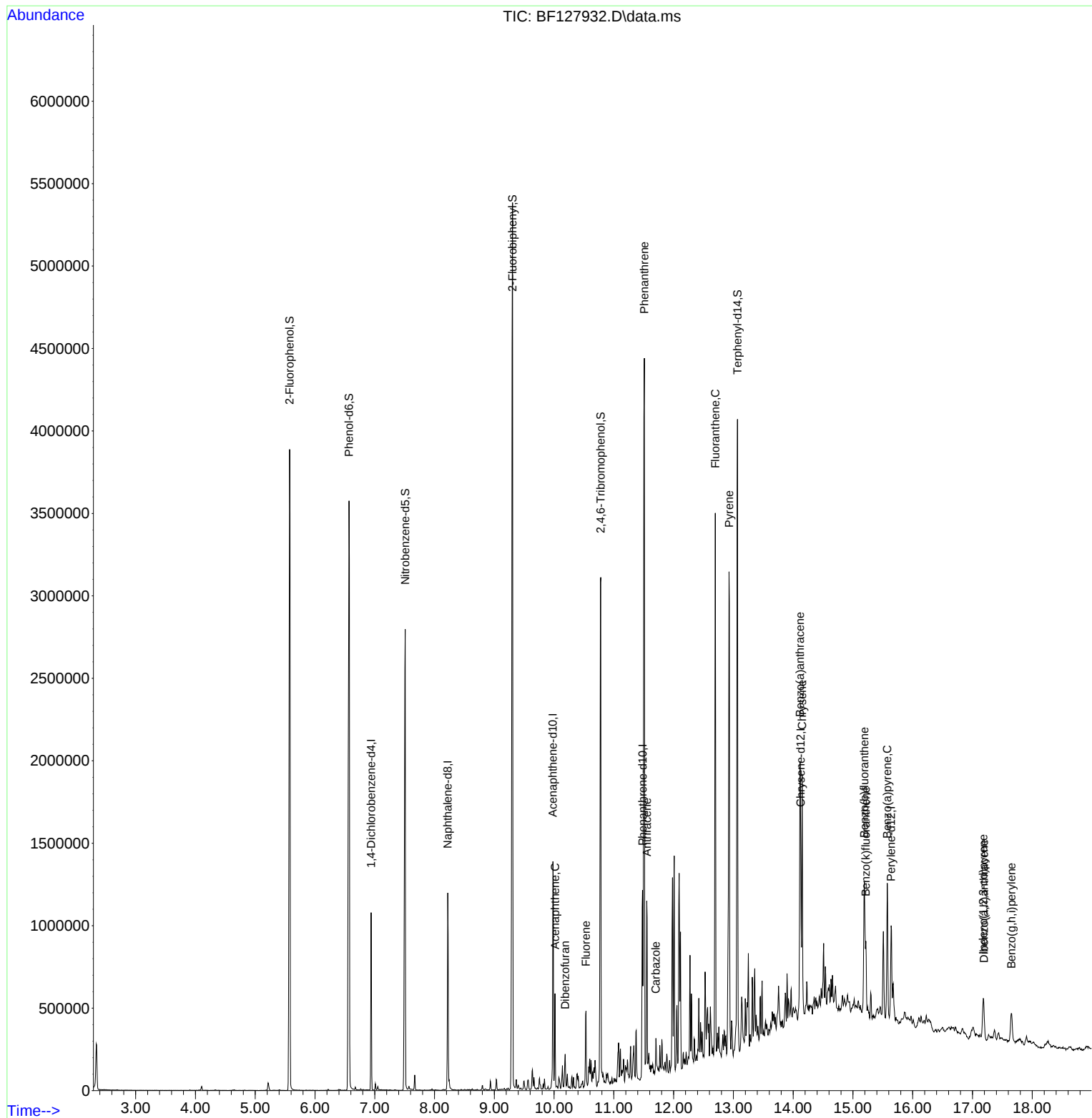
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127932.D
Acq On : 27 Apr 2022 00:32
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Sample : N2479-06
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ALS Vial : 20 Sample Multiplier: 1

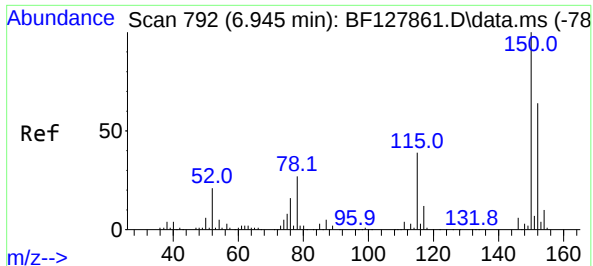
Instrument :
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Quant Time: Apr 27 01:50:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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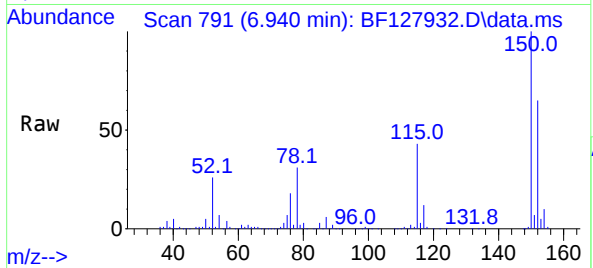
Reviewed By : Christian Giraldo 04/27/2022
Supervised By : Jagrut Upadhyay 04/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 792
Delta R.T. -0.005 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

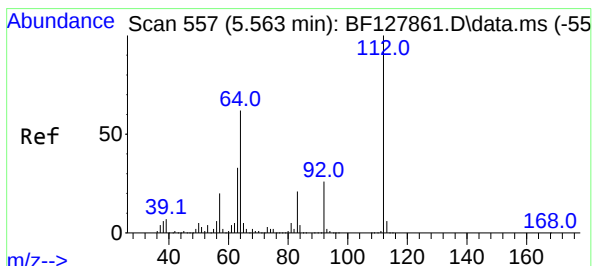
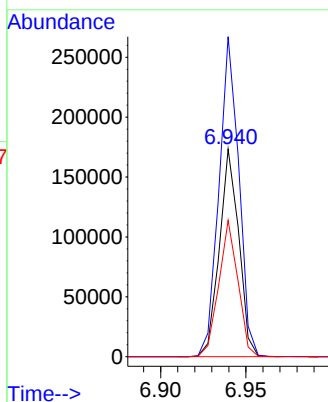
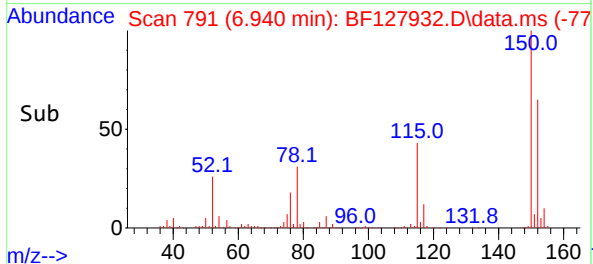
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD



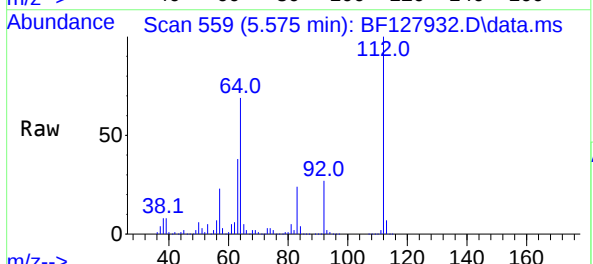
Tgt Ion:152 Resp: 137470
Ion Ratio Lower Upper
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150 154.1 125.3 187.9
115 65.7 48.8 73.2

Manual Integrations
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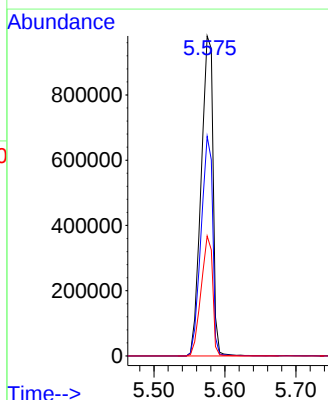
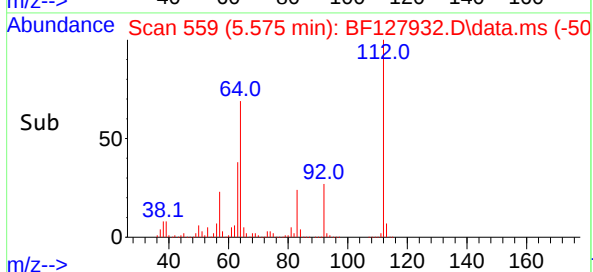
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

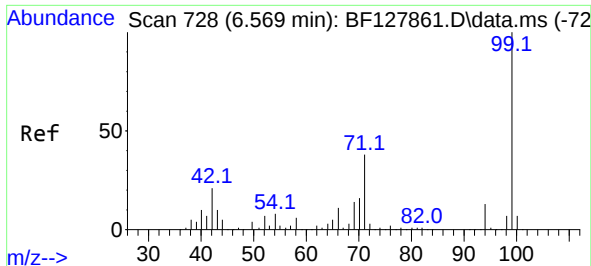


#5
2-Fluorophenol
Concen: 133.103 ng
RT: 5.575 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



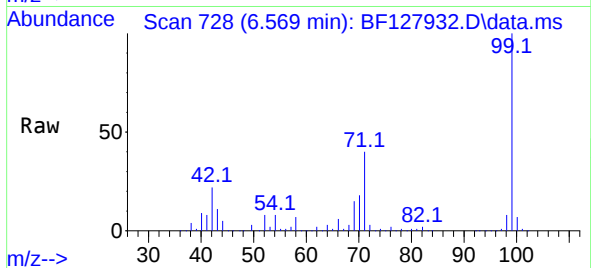
Tgt Ion:112 Resp: 1148837
Ion Ratio Lower Upper
112 100
64 68.6 49.5 74.3
63 37.5 26.3 39.5





#7
Phenol-d6
Concen: 138.249 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

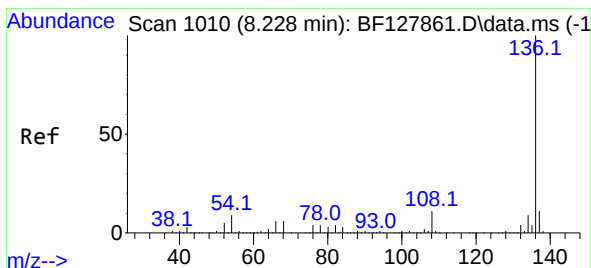
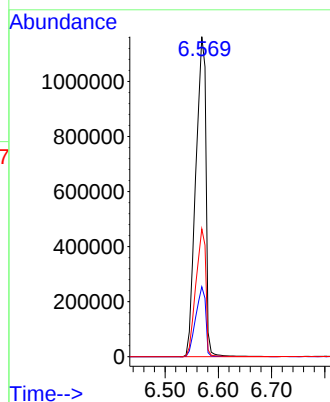
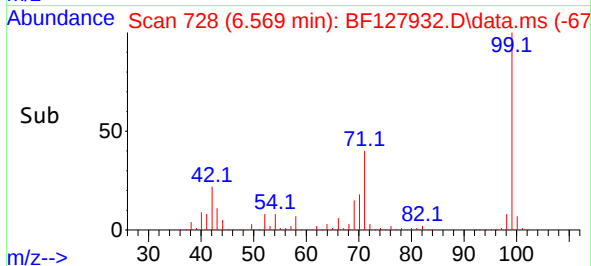
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD



Tgt Ion: 99 Resp: 154832
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 39.9 30.0 45.0

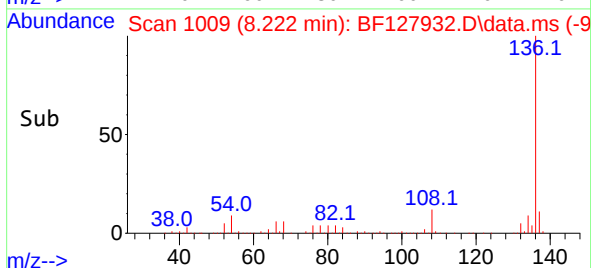
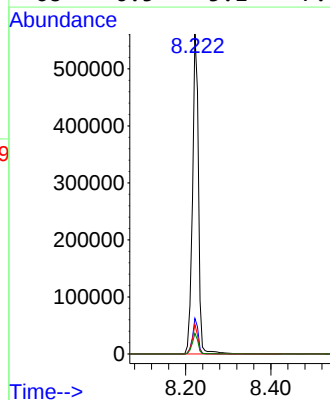
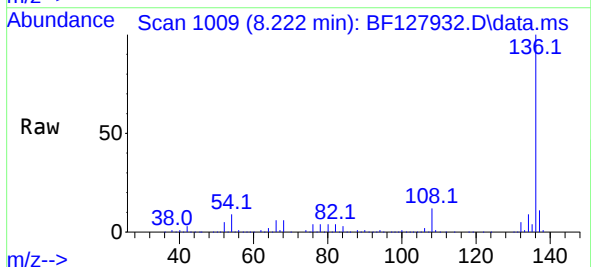
Manual Integrations
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Supervised By :Jagrut Upadhyay 04/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

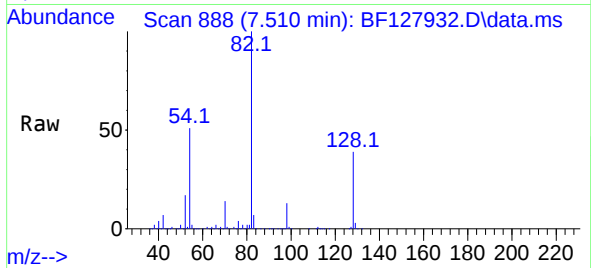
Tgt Ion:136 Resp: 545171
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 6.8 10.2
68 6.5 5.1 7.7





#23
Nitrobenzene-d5
Concen: 97.600 ng
RT: 7.510 min Scan# 88
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

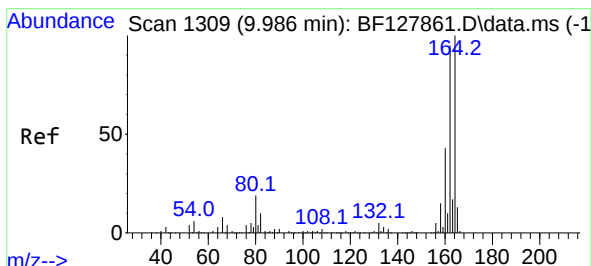
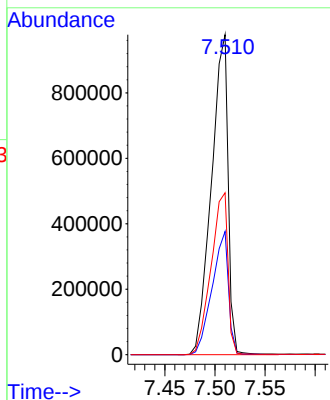
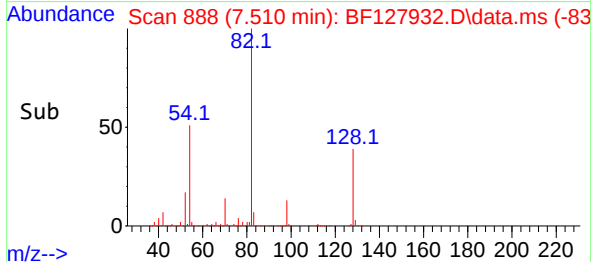
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD



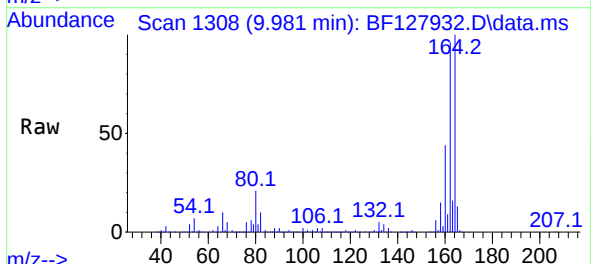
Tgt Ion: 82 Resp: 113151
Ion Ratio Lower Upper
82 100
128 38.5 30.0 45.0
54 50.6 41.3 61.9

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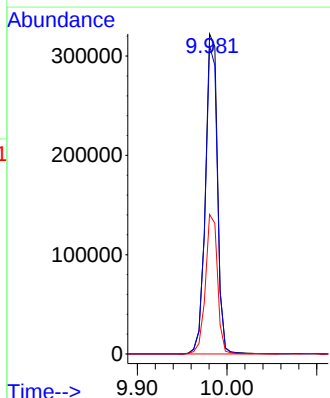
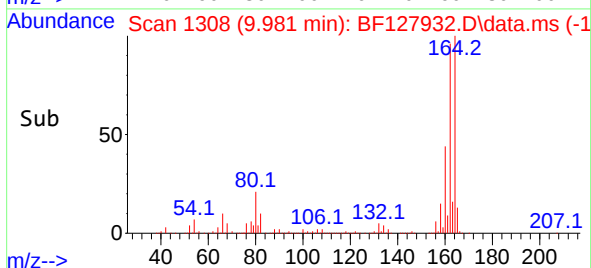
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

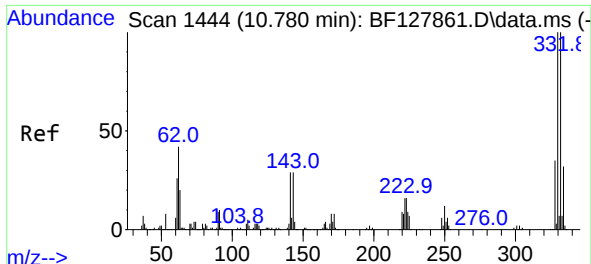


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



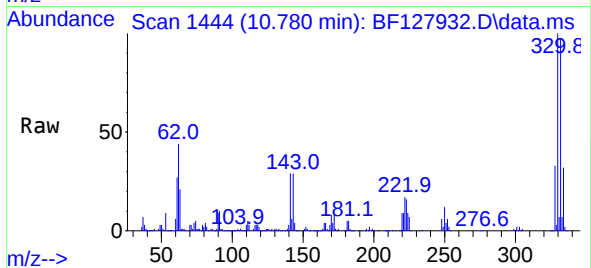
Tgt Ion:164 Resp: 302774
Ion Ratio Lower Upper
164 100
162 96.3 76.0 114.0
160 43.6 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 130.882 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

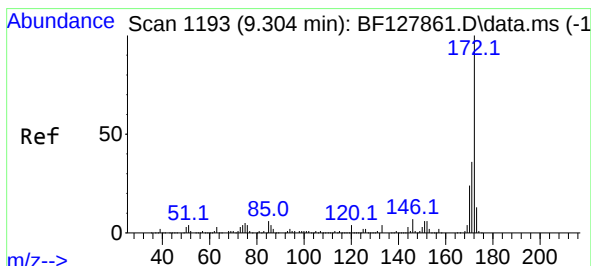
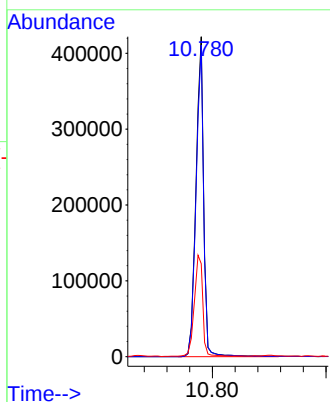
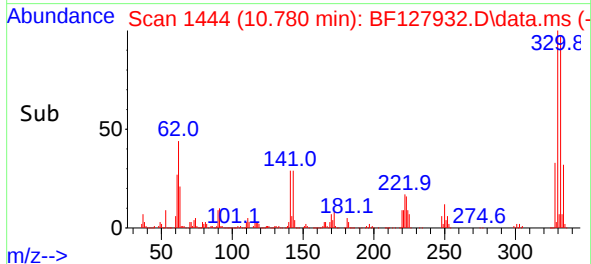
Instrument :
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ClientSampleId :
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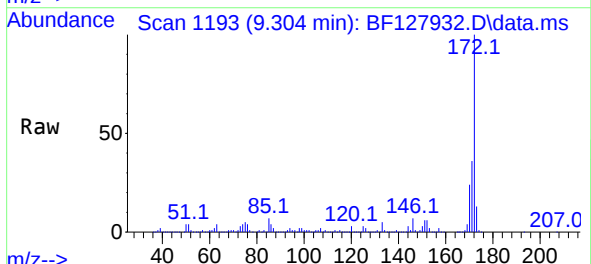
Tgt Ion:330 Resp: 398919
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 34.7 28.9 43.3

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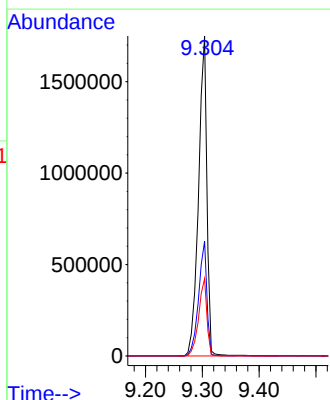
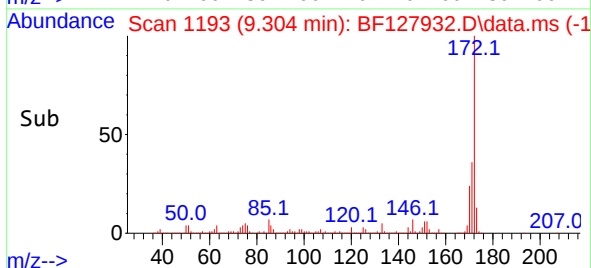
Reviewed By :Christian Giraldo 04/27/2022
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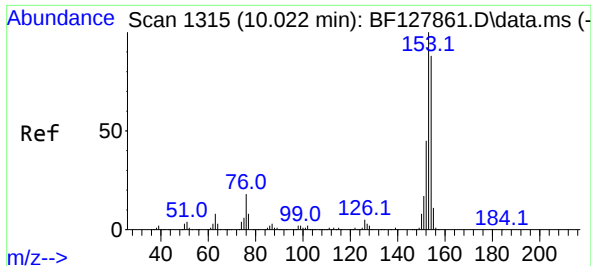


#45
2-Fluorobiphenyl
Concen: 100.934 ng
RT: 9.304 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



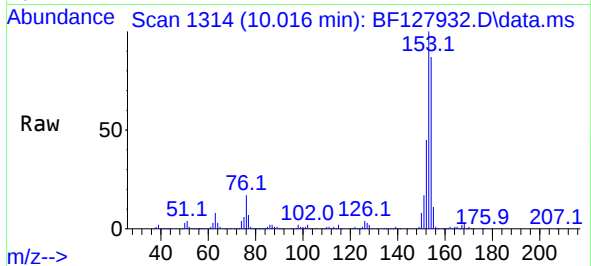
Tgt Ion:172 Resp: 1806436
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.1 19.1 28.7





#52
Acenaphthene
Concen: 6.036 ng m
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

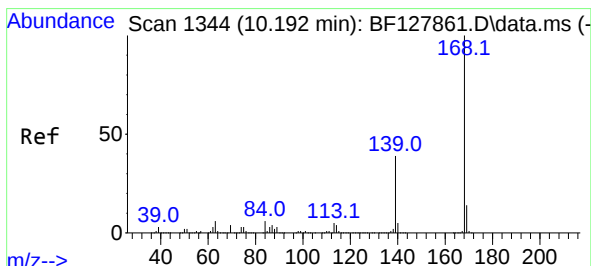
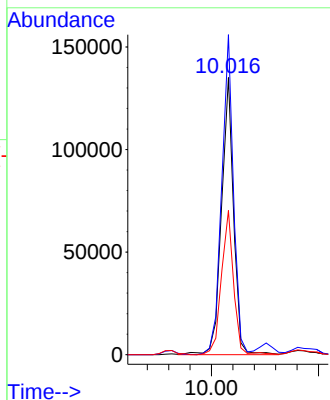
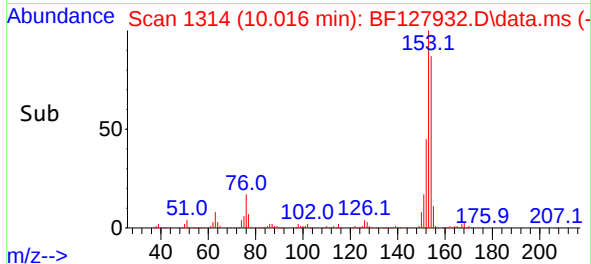
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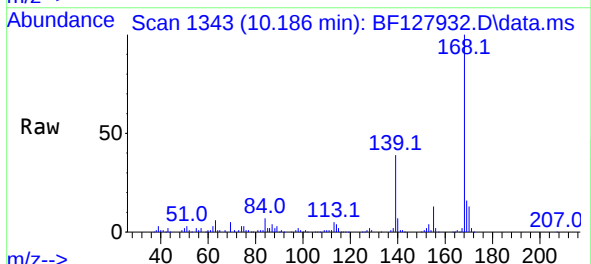
Tgt Ion:154 Resp: 10598
Ion Ratio Lower Upper
154 100
153 115.4 90.5 135.7
152 52.0 41.0 61.6

Manual Integrations
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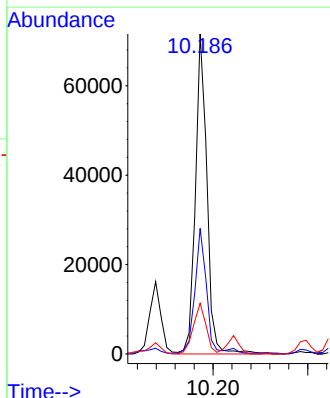
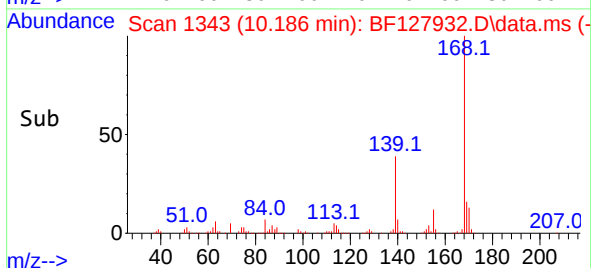
Reviewed By :Christian Giraldo 04/27/2022
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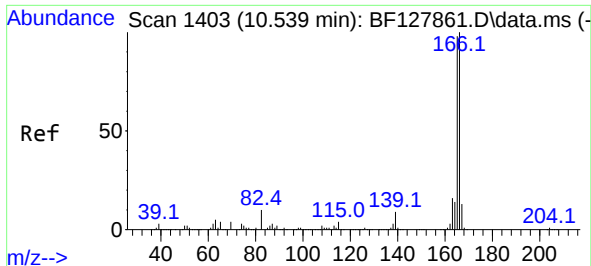


#55
Dibenzofuran
Concen: 2.401 ng
RT: 10.186 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



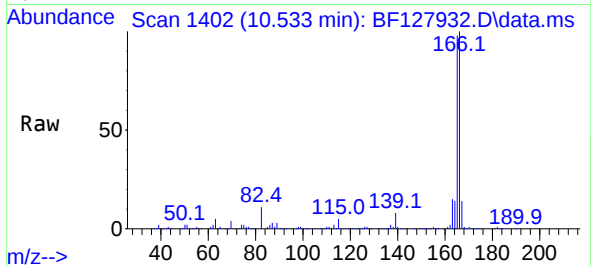
Tgt Ion:168 Resp: 60812
Ion Ratio Lower Upper
168 100
139 39.2 31.7 47.5
169 15.8 10.9 16.3





#58
Fluorene
Concen: 6.649 ng
RT: 10.533 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

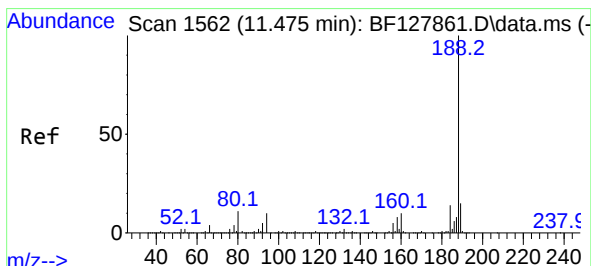
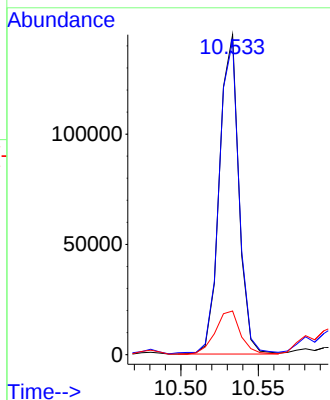
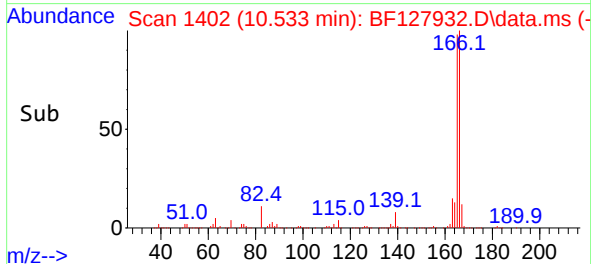
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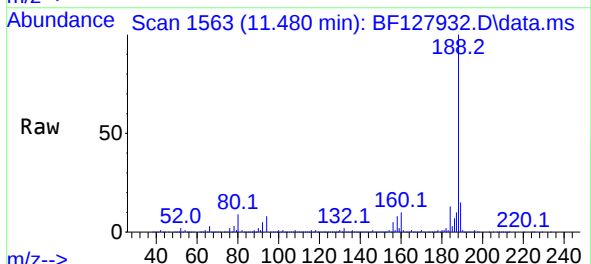
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Ion Ratio Lower Upper
166 100
165 98.0 78.6 117.8
167 13.7 10.5 15.7

Manual Integrations
APPROVED

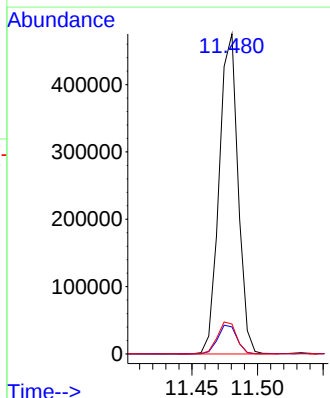
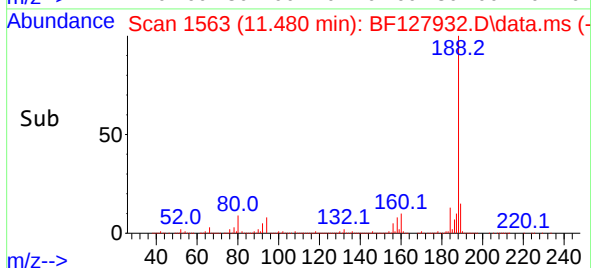
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

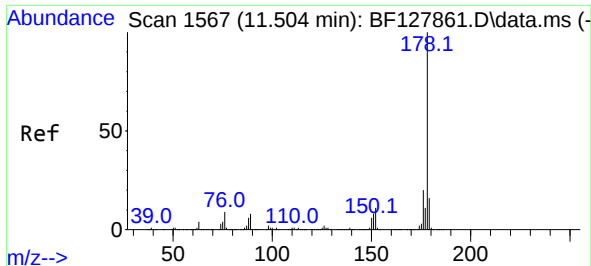


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1563
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



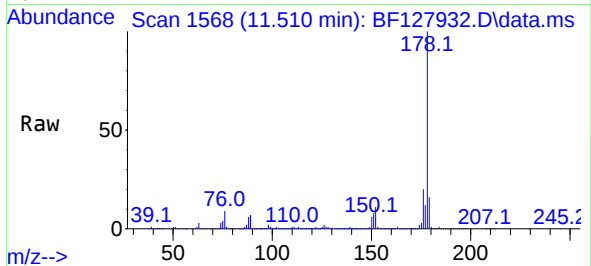
Tgt Ion:188 Resp: 475013
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 9.4 8.9 13.3





#71
Phenanthrene
Concen: 72.455 ng
RT: 11.510 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

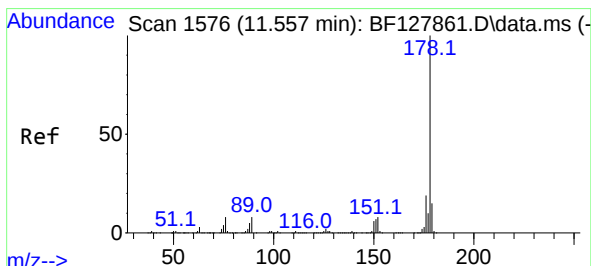
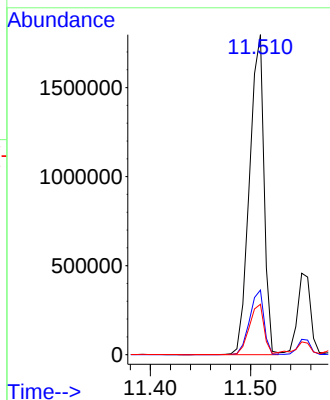
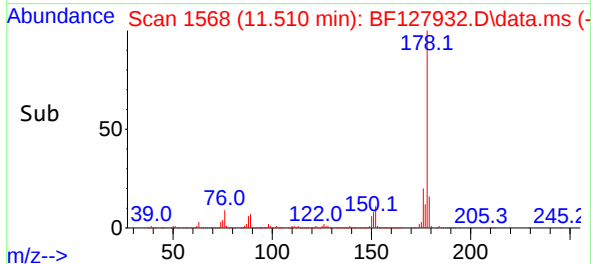
Instrument :
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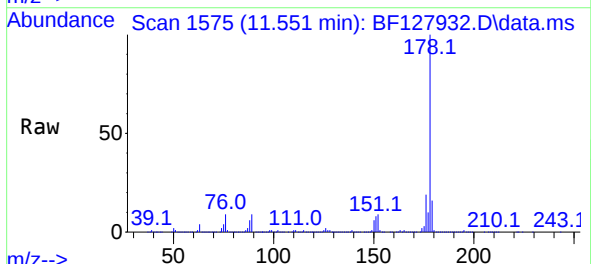
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Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 15.8 12.6 19.0

Manual Integrations
APPROVED

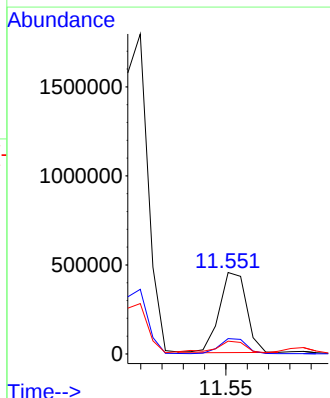
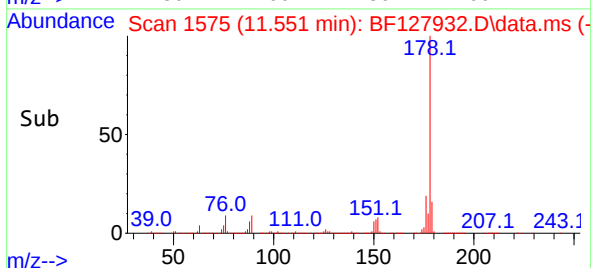
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

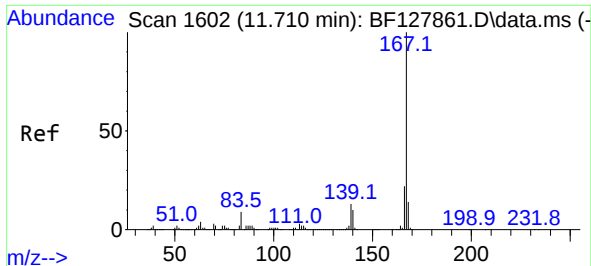


#72
Anthracene
Concen: 16.232 ng
RT: 11.551 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



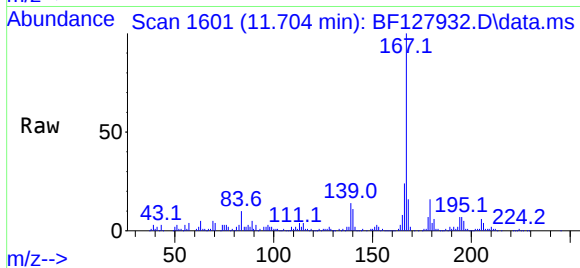
Tgt Ion:178 Resp: 402051
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.8 12.4 18.6





#73
 Carbazole
 Concen: 2.578 ng
 RT: 11.704 min Scan# 1601
 Delta R.T. -0.006 min
 Lab File: BF127932.D
 Acq: 27 Apr 2022 00:32

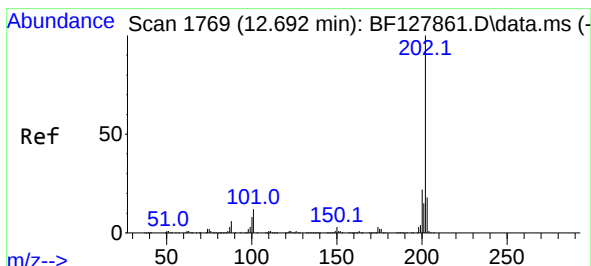
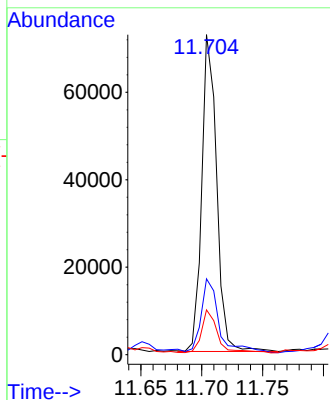
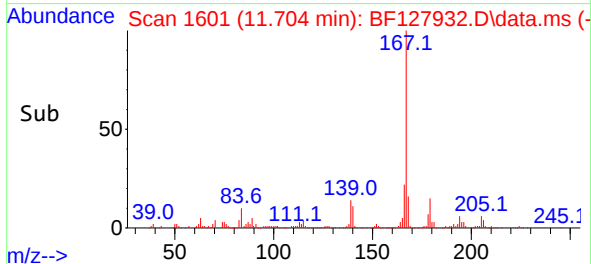
Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5MSD



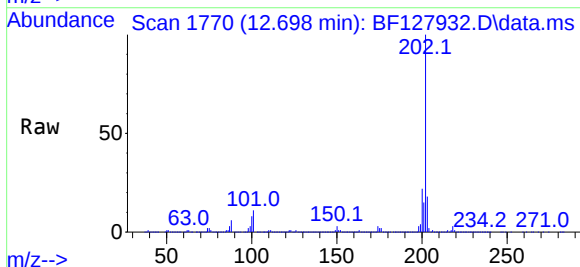
Tgt Ion:167 Resp: 61530
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.6 26.4
 139 14.0 10.7 16.1

Manual Integrations
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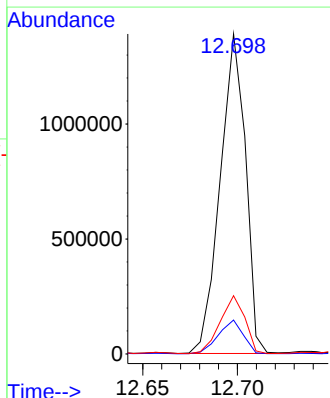
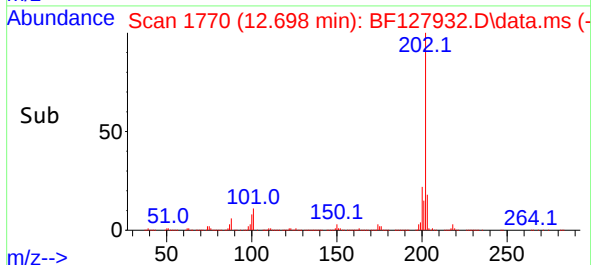
Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/27/2022

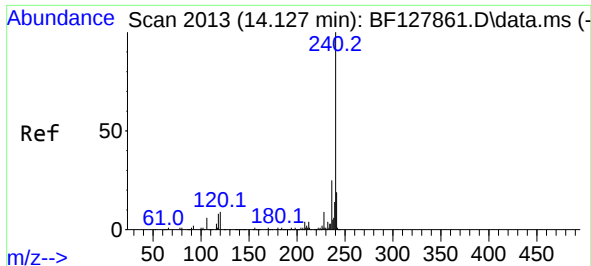


#75
 Fluoranthene
 Concen: 49.516 ng
 RT: 12.698 min Scan# 1770
 Delta R.T. 0.006 min
 Lab File: BF127932.D
 Acq: 27 Apr 2022 00:32



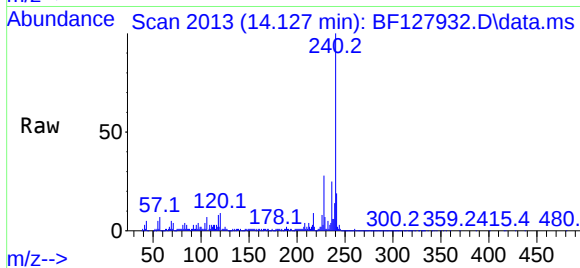
Tgt Ion:202 Resp: 1295785
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.6
 203 18.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

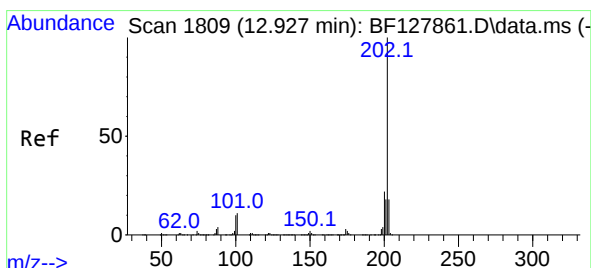
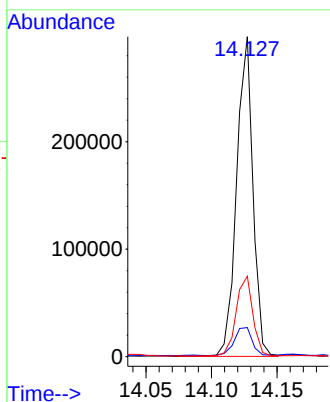
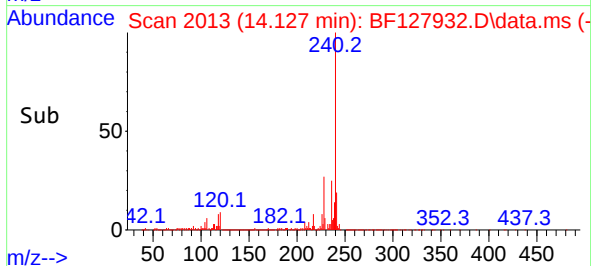
Instrument : BNA_F
ClientSampleId : E14ST-EB4-041922-0-5MSD



Tgt Ion:240 Resp: 257542
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.2 20.3 30.5

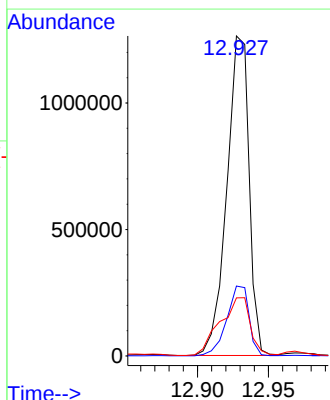
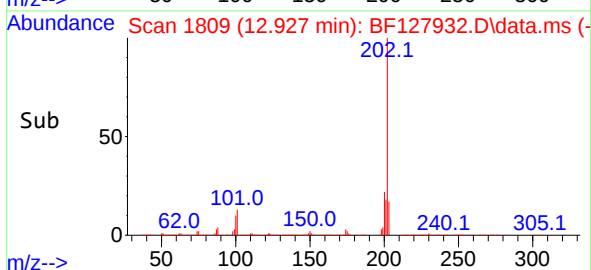
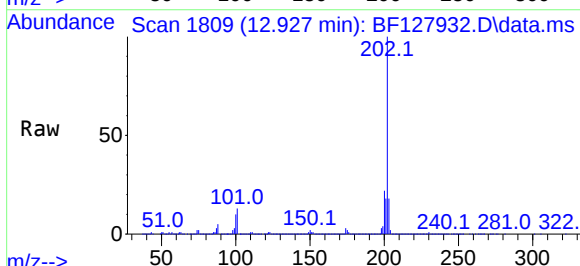
Manual Integrations
APPROVED

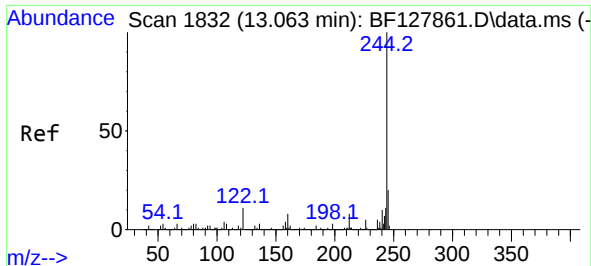
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#78
Pyrene
Concen: 66.535 ng
RT: 12.927 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

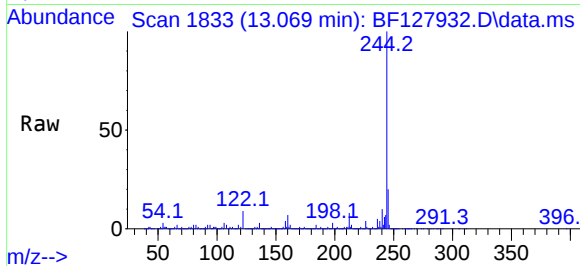
Tgt Ion:202 Resp: 1383275
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.2 14.0 21.0





#79
Terphenyl-d14
Concen: 99.026 ng
RT: 13.069 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

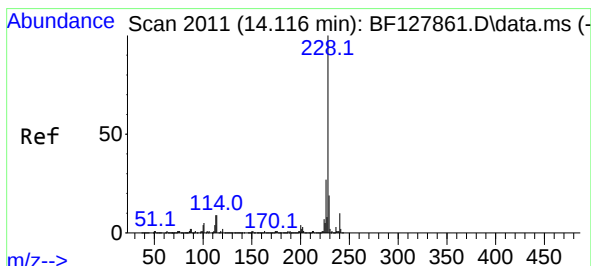
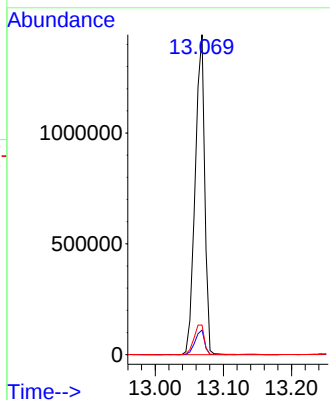
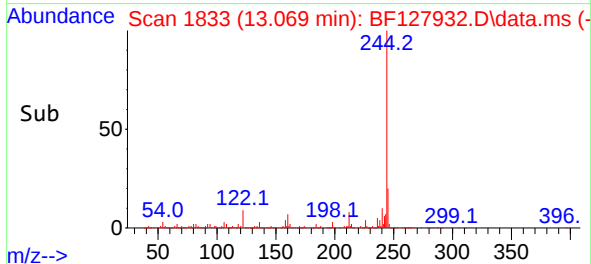
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD



Tgt Ion:244 Resp: 1394720
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 9.3 8.6 12.8

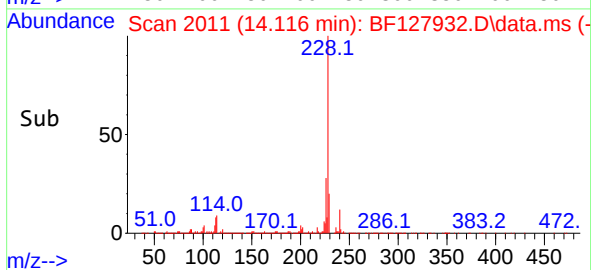
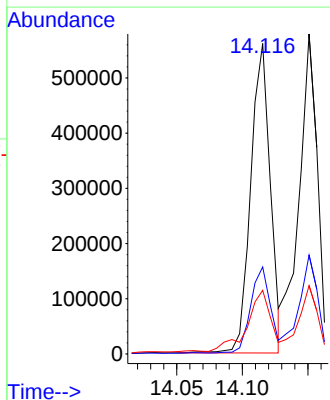
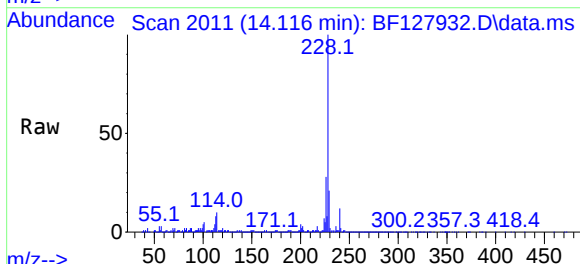
Manual Integrations
APPROVED

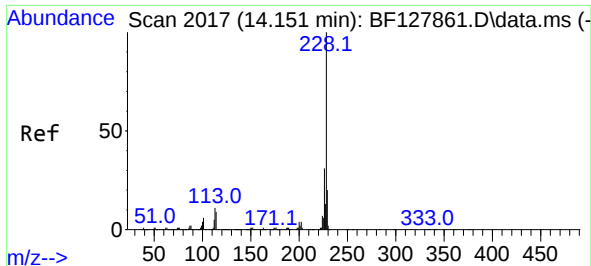
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#81
Benzo(a)anthracene
Concen: 33.749 ng
RT: 14.116 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

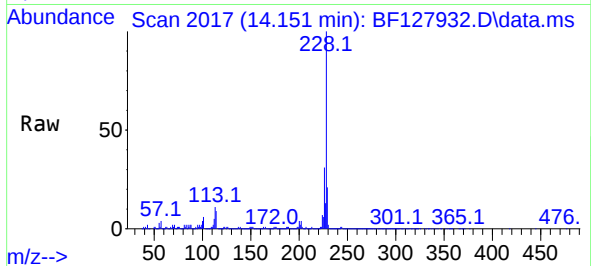
Tgt Ion:228 Resp: 579334
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 20.5 15.4 23.2





#83
Chrysene
Concen: 34.663 ng m
RT: 14.151 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

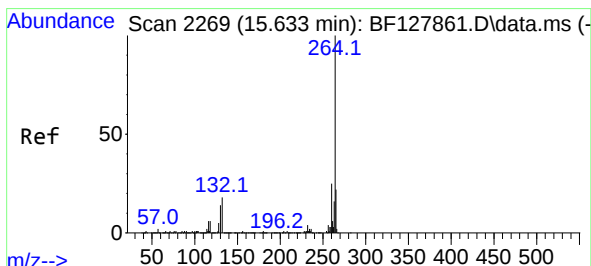
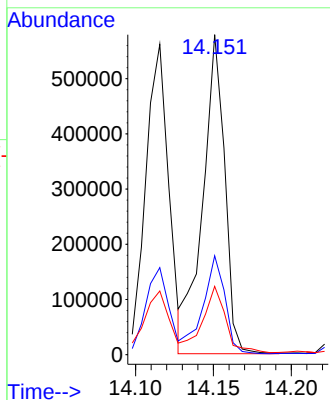
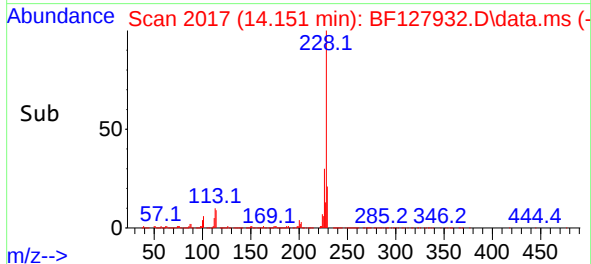
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD



Tgt Ion:228 Resp: 568270
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 21.4 15.8 23.8

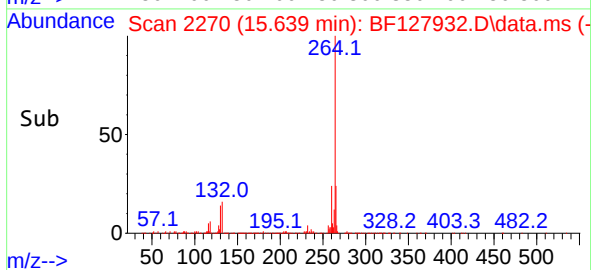
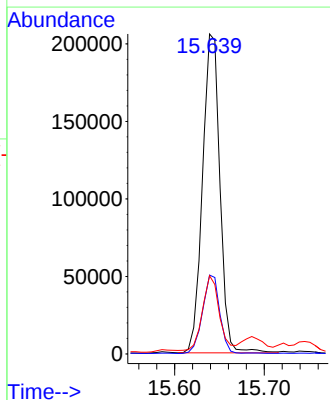
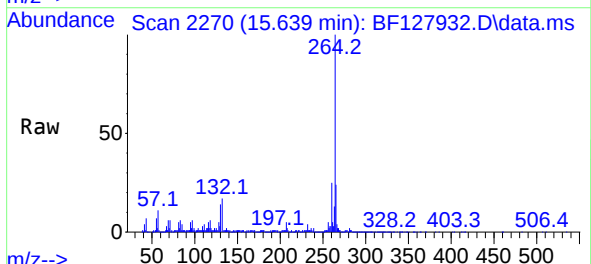
Manual Integrations
APPROVED

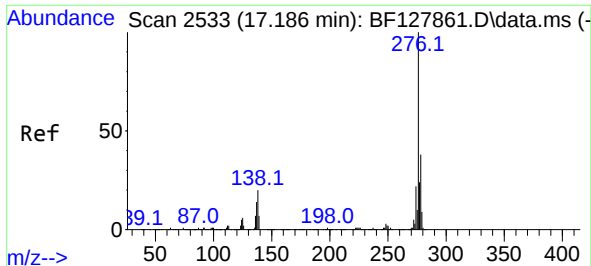
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

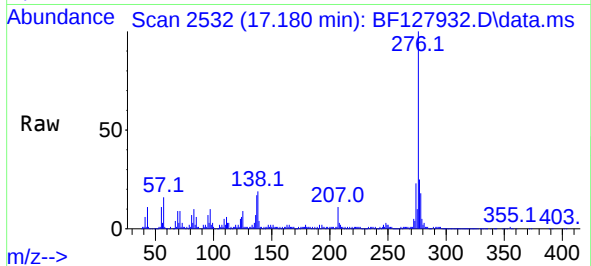
Tgt Ion:264 Resp: 277024
Ion Ratio Lower Upper
264 100
260 24.6 20.1 30.1
265 24.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.776 ng
RT: 17.180 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

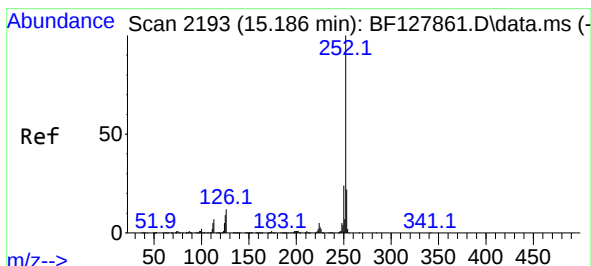
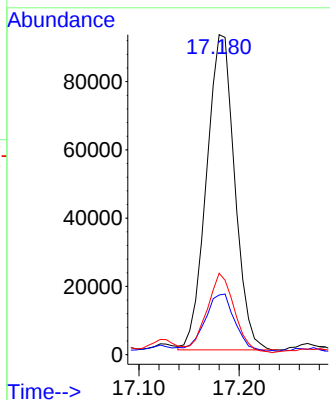
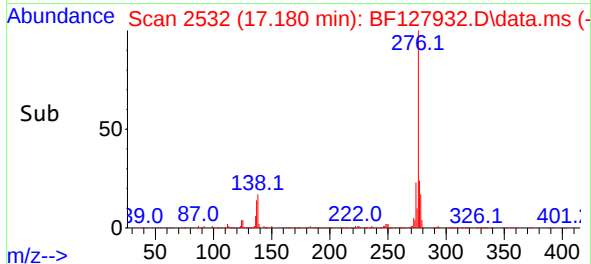
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5MSD



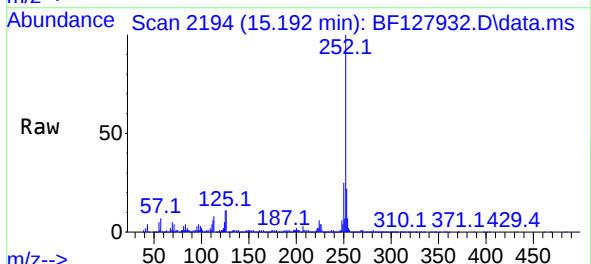
Tgt Ion:276 Resp: 180768
Ion Ratio Lower Upper
276 100
138 19.2 19.0 28.4
277 24.5 20.1 30.1

Manual Integrations
APPROVED

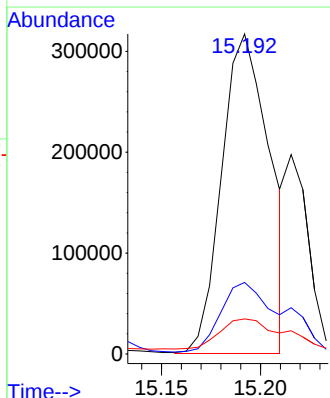
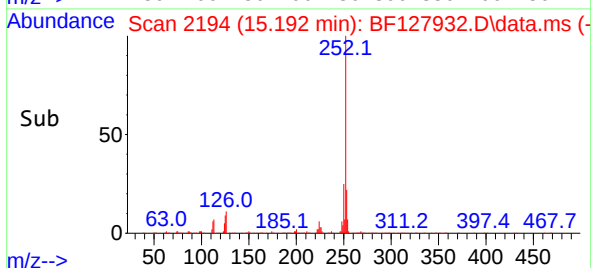
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

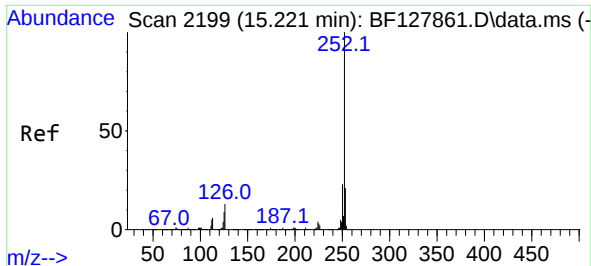


#88
Benzo(b)fluoranthene
Concen: 30.516 ng m
RT: 15.192 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



Tgt Ion:252 Resp: 530960
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 10.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 8.753 ng m

RT: 15.215 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF127932.D

Acq: 27 Apr 2022 00:32

Instrument :

BNA_F

ClientSampleId :

E14ST-EB4-041922-0-5MSD

Tgt Ion:252 Resp: 15344

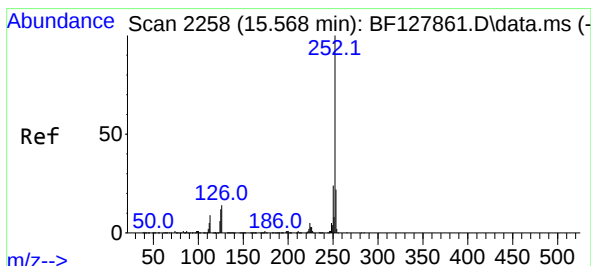
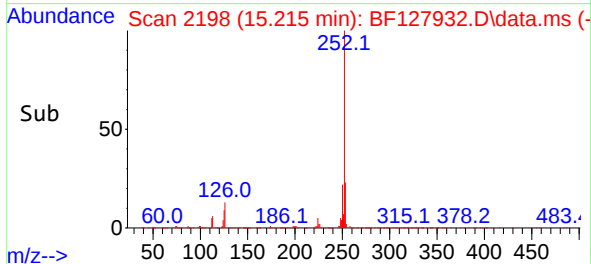
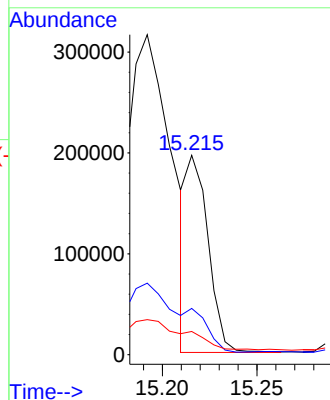
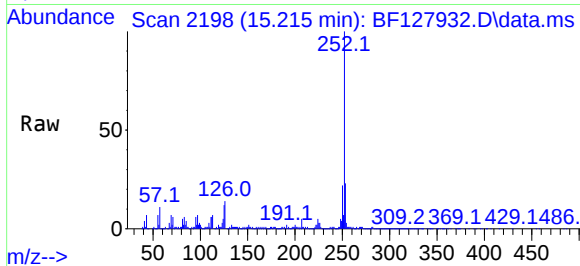
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.4
125	11.6	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022

Supervised By :Jagrut Upadhyay 04/27/2022



#90

Benzo(a)pyrene

Concen: 29.630 ng

RT: 15.574 min Scan# 2259

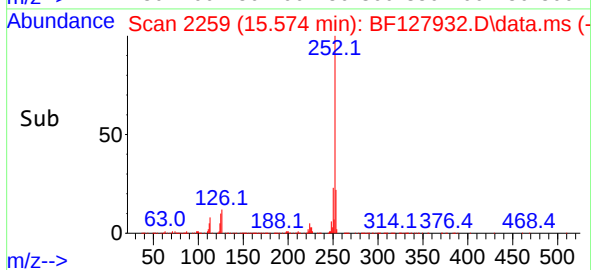
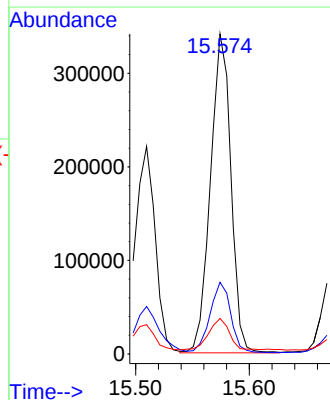
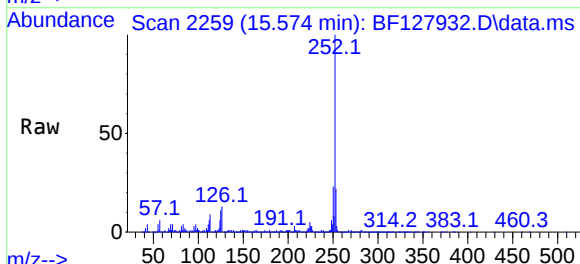
Delta R.T. 0.006 min

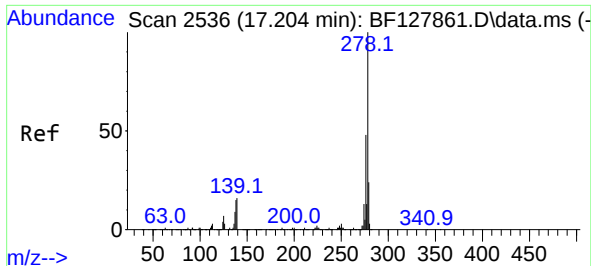
Lab File: BF127932.D

Acq: 27 Apr 2022 00:32

Tgt Ion:252 Resp: 427645

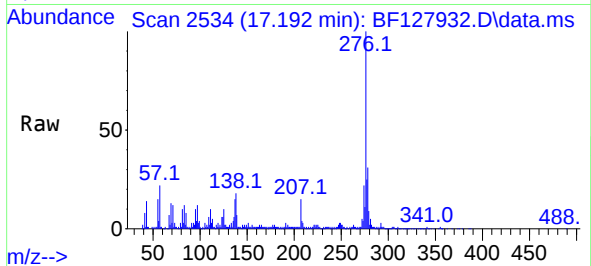
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	11.1	9.2	13.8





#91
Dibenzo(a,h)anthracene
Concen: 3.311 ng m
RT: 17.192 min Scan# 2534
Delta R.T. -0.012 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32

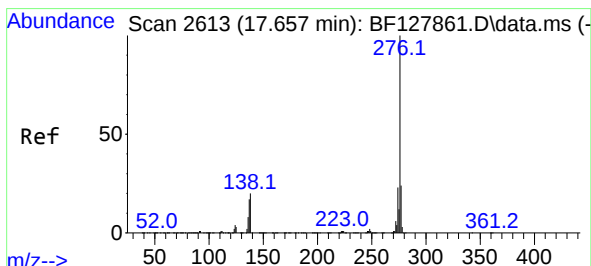
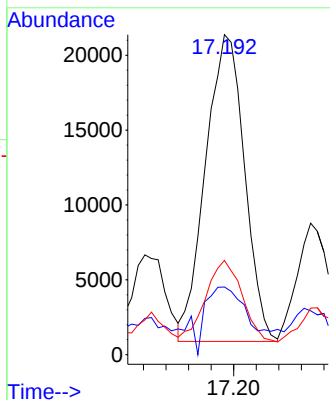
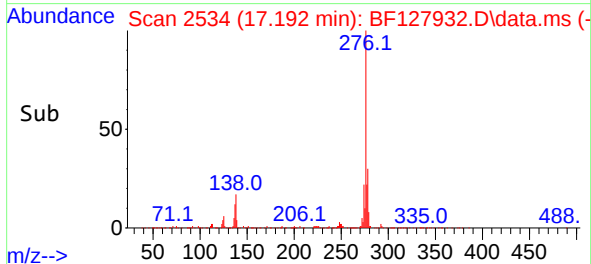
Instrument : BNA_F
ClientSampleId : E14ST-EB4-041922-0-5MSD



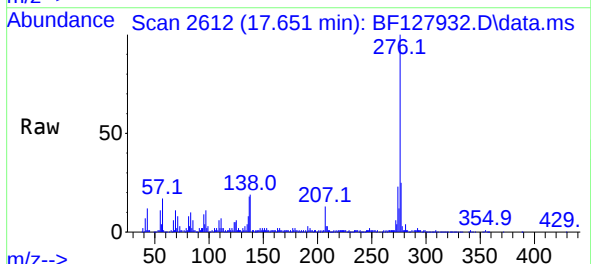
Tgt Ion:278 Resp: 49098
Ion Ratio Lower Upper
278 100
139 21.2 12.6 19.0
279 29.4 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#92
Benzo(g,h,i)perylene
Concen: 10.592 ng
RT: 17.651 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF127932.D
Acq: 27 Apr 2022 00:32



Tgt Ion:276 Resp: 165535
Ion Ratio Lower Upper
276 100
277 24.7 18.8 28.2
138 19.1 16.2 24.2

