

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041222\
 Data File : BF127772.D
 Acq On : 12 Apr 2022 21:59
 Operator : CG\JU
 Sample : N2367-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-041122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/13/2022
 Supervised By : Jagrut Upadhyay 04/13/2022

Quant Time: Apr 13 07:26:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 07:19:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	136125	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	464866	20.000	ng	# 0.00
39) Acenaphthene-d10	9.998	164	241945	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	356605	20.000	ng	0.00
76) Chrysene-d12	14.139	240	336182	20.000	ng	0.00
86) Perylene-d12	15.656	264	280695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	155564	18.569	ng	-0.01
7) Phenol-d6	6.569	99	192018	17.521	ng	-0.01
23) Nitrobenzene-d5	7.516	82	128180	12.293	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	44995	17.476	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	240765	14.078	ng	-0.01
79) Terphenyl-d14	13.074	244	203130	9.973	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.516	178	180067	9.530	ng	99
75) Fluoranthene	12.710	202	397428	19.276	ng	99
78) Pyrene	12.939	202	339276	11.951	ng	99
81) Benzo(a)anthracene	14.127	228	210577	9.378	ng	95
83) Chrysene	14.162	228	210760m	9.779	ng	
87) Indeno(1,2,3-cd)pyrene	17.203	276	89212	5.087	ng	97
88) Benzo(b)fluoranthene	15.204	252	259635m	14.379	ng	
89) Benzo(k)fluoranthene	15.233	252	99485m	5.555	ng	
90) Benzo(a)pyrene	15.592	252	178181	12.140	ng	96
92) Benzo(g,h,i)perylene	17.680	276	79700	5.471	ng	98

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

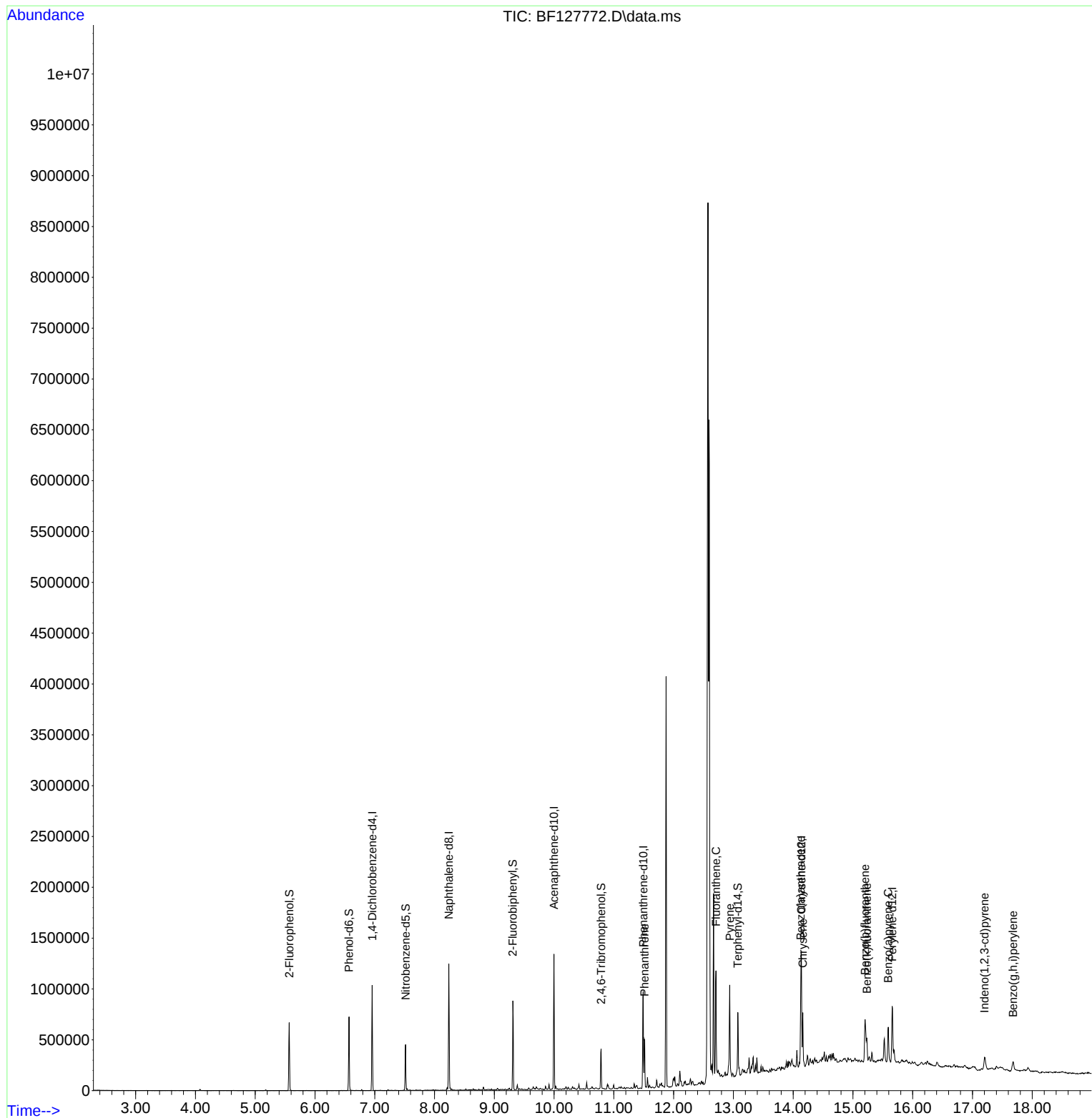
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041222\
Data File : BF127772.D
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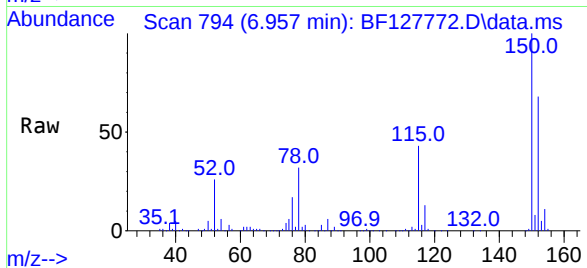
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

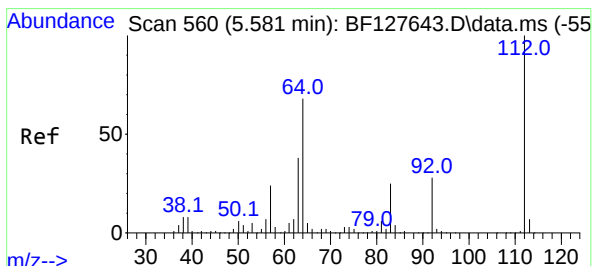
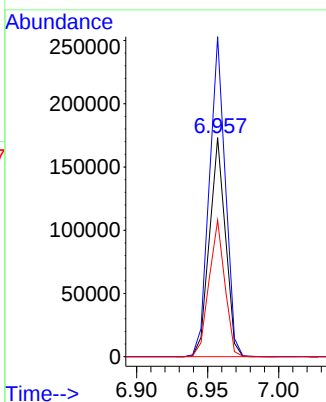
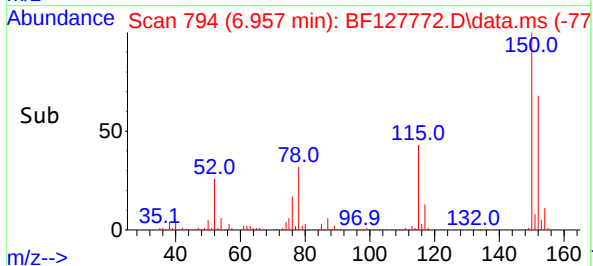
Instrument :
BNA_F
ClientSampleId :
AU-05-041122



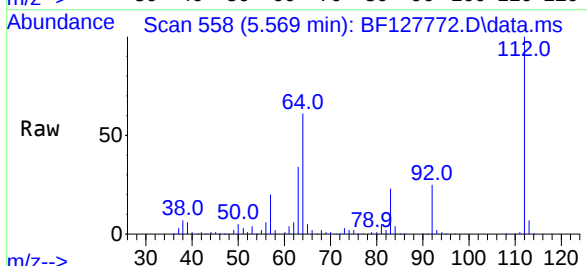
Tgt Ion:152 Resp: 136125
Ion Ratio Lower Upper
152 100
150 146.1 117.2 175.8
115 62.3 49.8 74.6

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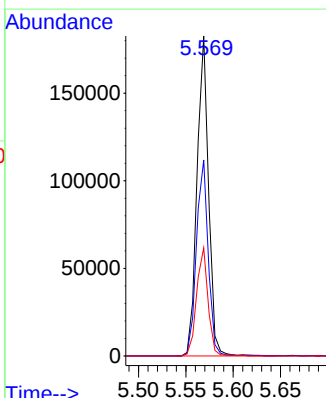
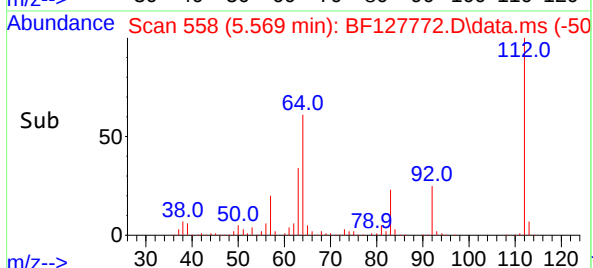
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022

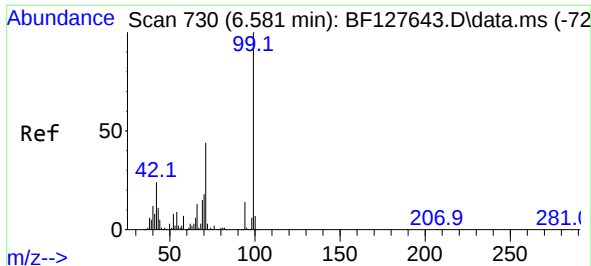


#5
2-Fluorophenol
Concen: 18.569 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59



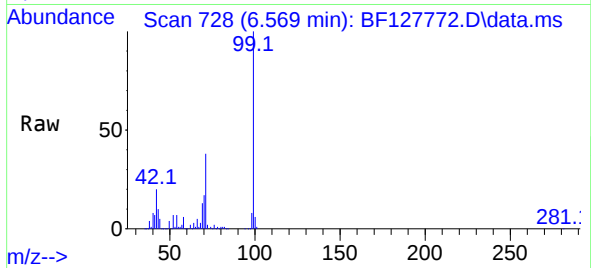
Tgt Ion:112 Resp: 155564
Ion Ratio Lower Upper
112 100
64 61.3 58.4 87.6
63 33.8 30.1 45.1





#7
Phenol-d6
Concen: 17.521 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

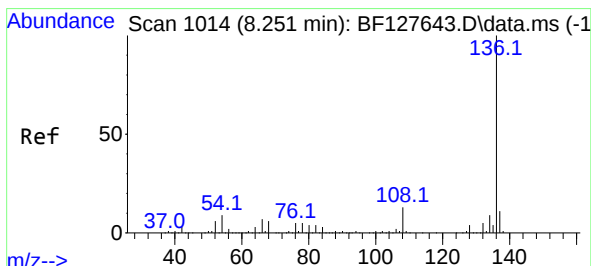
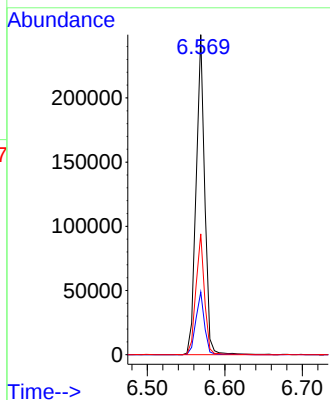
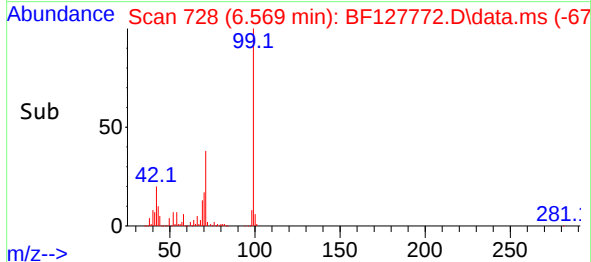
Instrument :
BNA_F
ClientSampleId :
AU-05-041122



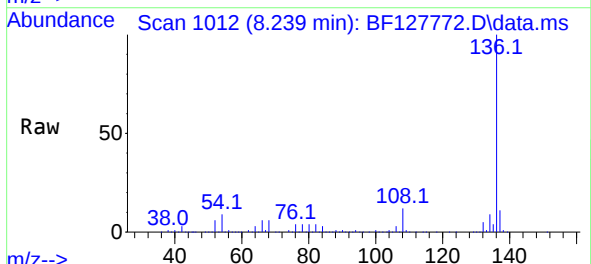
Tgt Ion: 99 Resp: 192018
Ion Ratio Lower Upper
99 100
42 19.6 17.8 26.6
71 37.7 29.6 44.4

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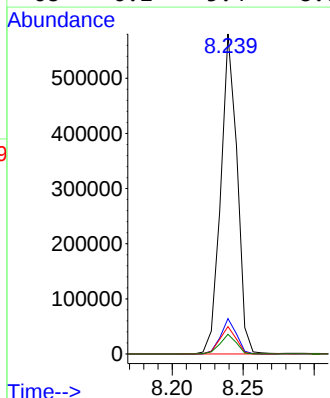
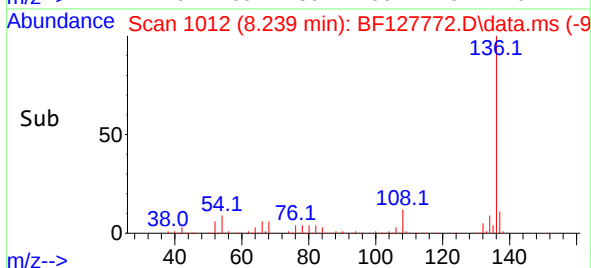
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022

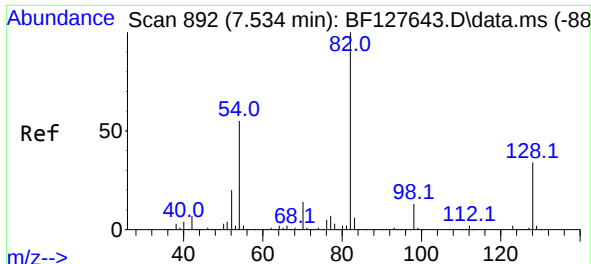


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59



Tgt Ion:136 Resp: 464866
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 9.2 13.8#
68 6.2 5.4 8.0





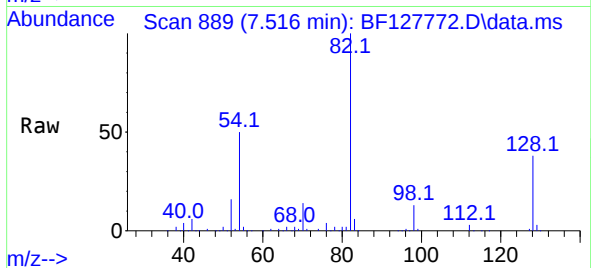
#23
Nitrobenzene-d5
Concen: 12.293 ng
RT: 7.516 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Instrument :

BNA_F

ClientSampleId :

AU-05-041122

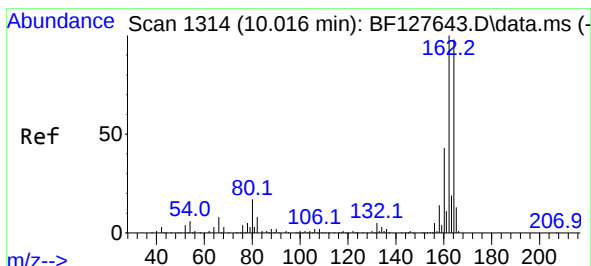
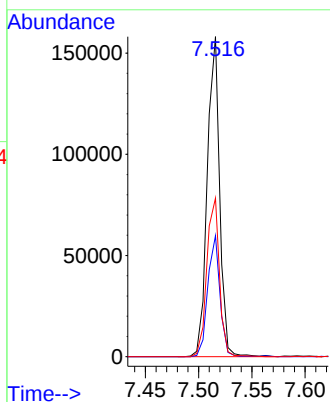
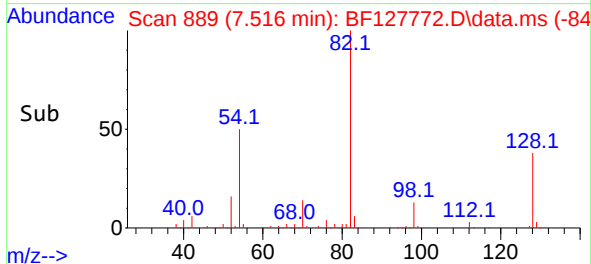


Tgt Ion: 82 Resp: 128180
Ion Ratio Lower Upper
82 100
128 37.8 30.6 45.8
54 49.6 48.2 72.2

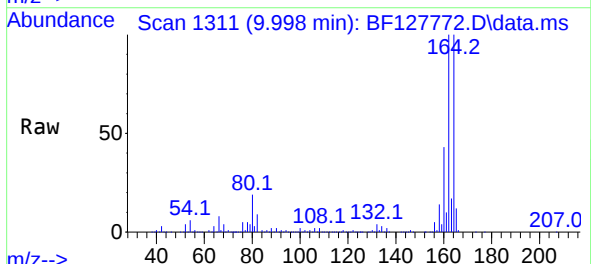
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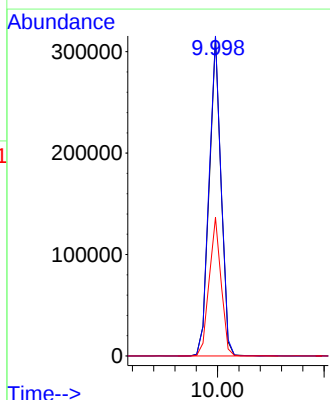
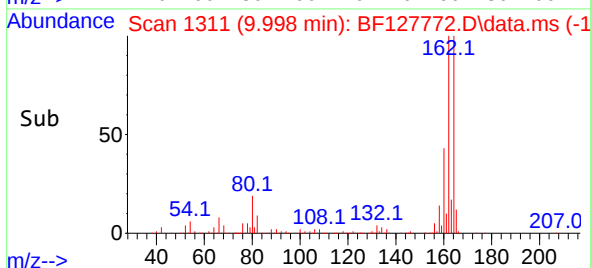
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022

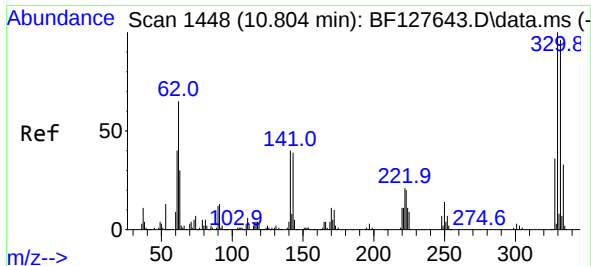


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59



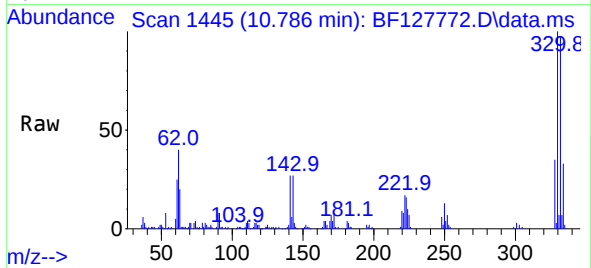
Tgt Ion:164 Resp: 241945
Ion Ratio Lower Upper
164 100
162 100.2 81.2 121.8
160 43.4 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 17.476 ng
RT: 10.786 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

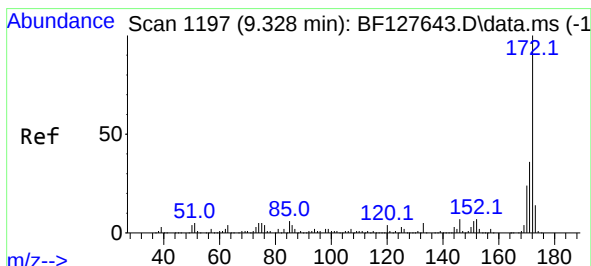
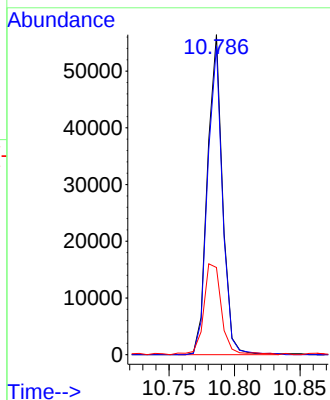
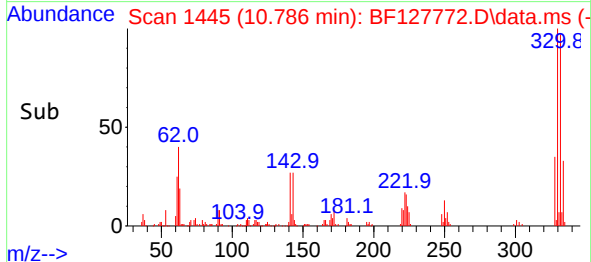
Instrument :
BNA_F
ClientSampleId :
AU-05-041122



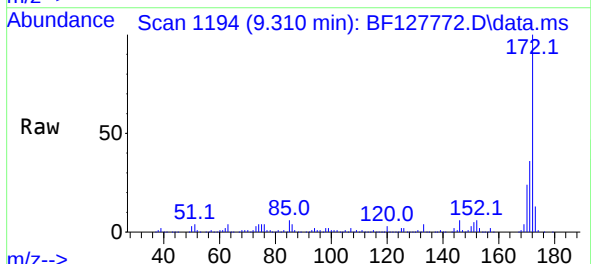
Tgt Ion: 330 Resp: 4499
Ion Ratio Lower Upper
330 100
332 95.9 79.1 118.7
141 34.0 26.2 39.4

Manual Integrations
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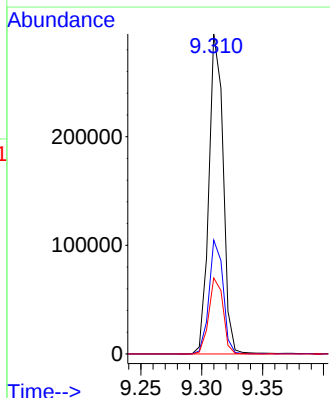
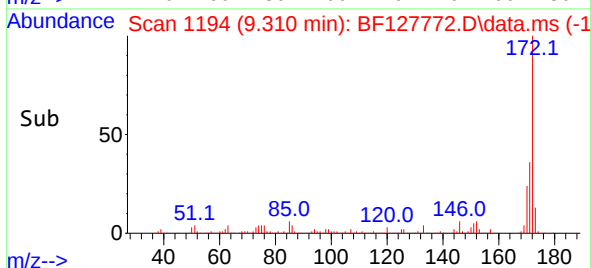
Reviewed By : Christian Giraldo 04/13/2022
Supervised By : Jagrut Upadhyay 04/13/2022



#45
2-Fluorobiphenyl
Concen: 14.078 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59



Tgt Ion: 172 Resp: 240765
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.7 18.6 27.8





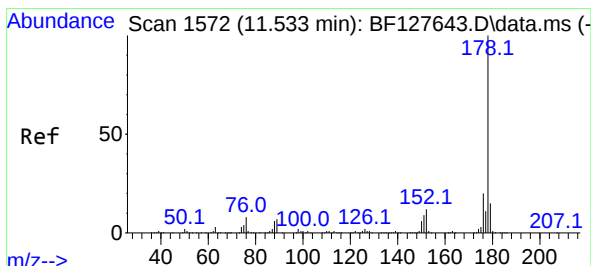
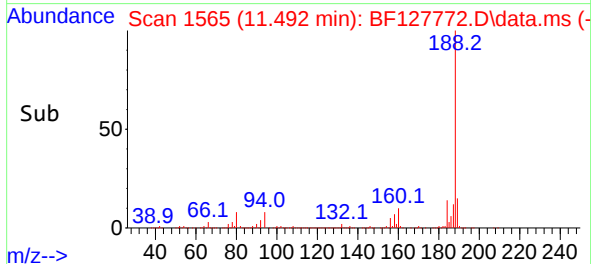
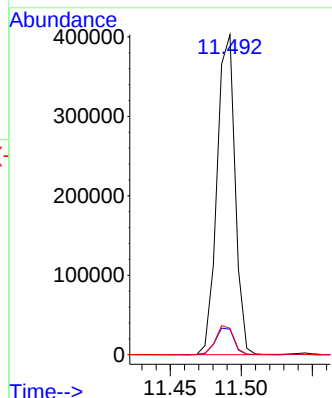
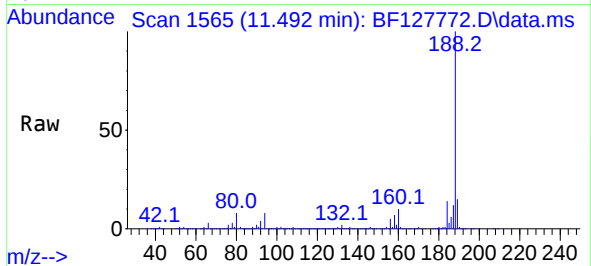
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Instrument :
BNA_F
ClientSampleId :
AU-05-041122

Tgt Ion:188 Resp: 356609
Ion Ratio Lower Upper
188 100
94 7.9 7.4 11.0
80 8.3 8.0 12.0

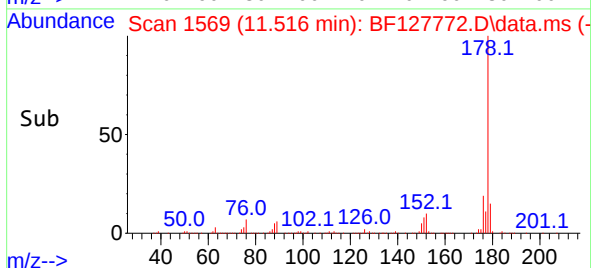
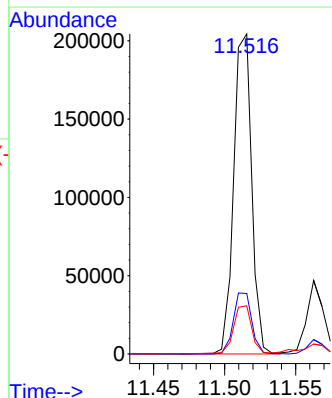
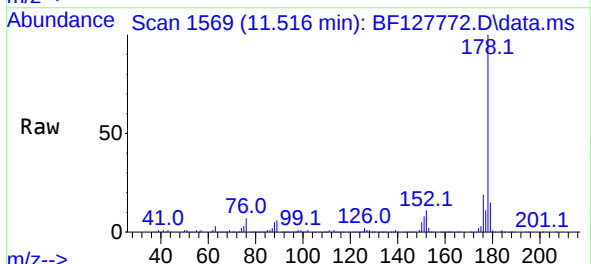
Manual Integrations
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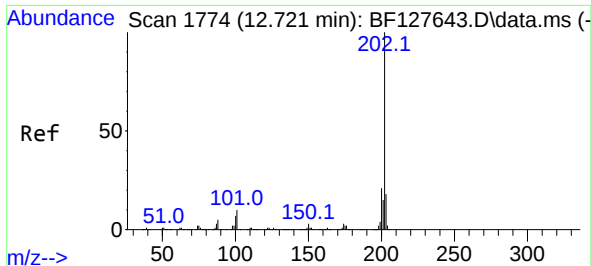
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#71
Phenanthrene
Concen: 9.530 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion:178 Resp: 180067
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.1 12.4 18.6





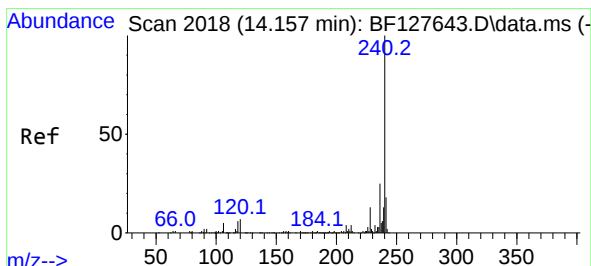
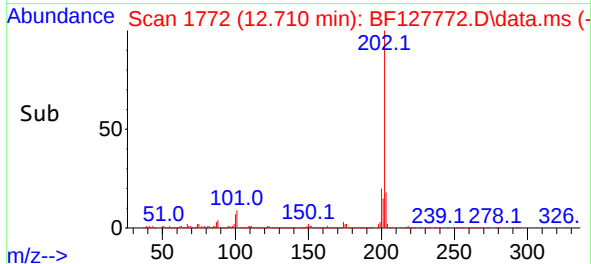
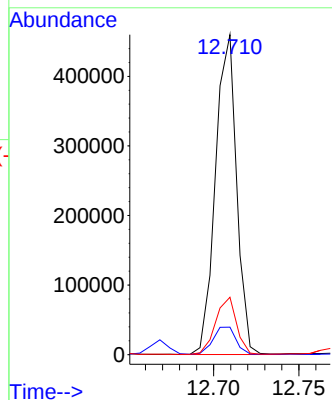
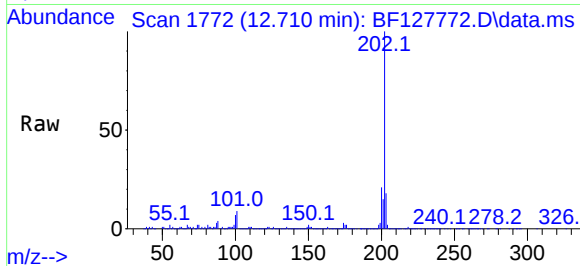
#75
Fluoranthene
Concen: 19.276 ng
RT: 12.710 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Instrument :
BNA_F
ClientSampleId :
AU-05-041122

Tgt Ion:202 Resp: 397428
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.0
203 18.0 0.0 37.7

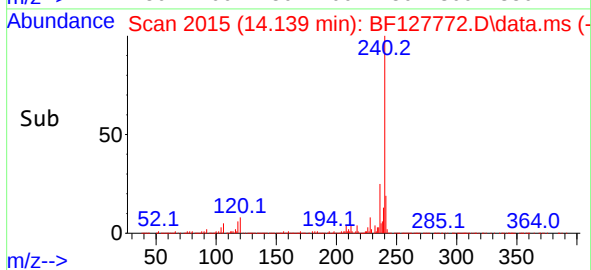
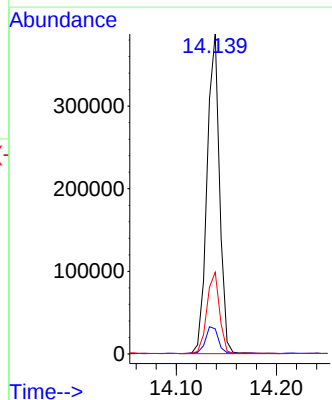
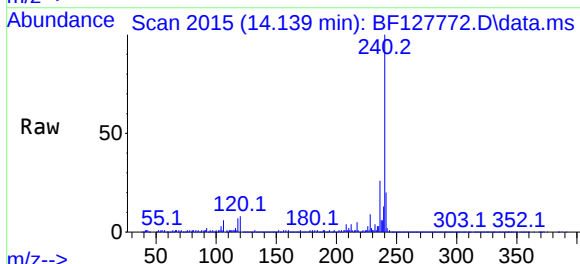
Manual Integrations
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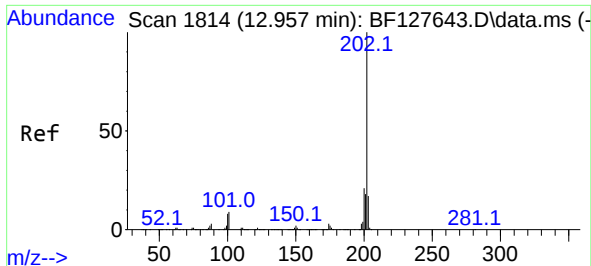
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

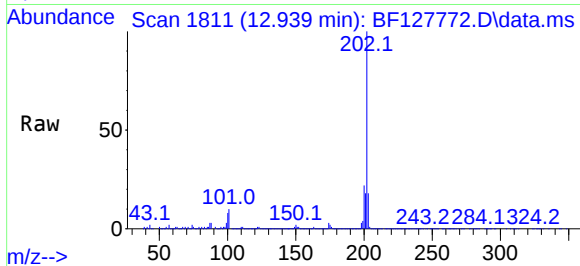
Tgt Ion:240 Resp: 336182
Ion Ratio Lower Upper
240 100
120 7.9 7.1 10.7
236 25.6 20.7 31.1





#78
Pyrene
Concen: 11.951 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

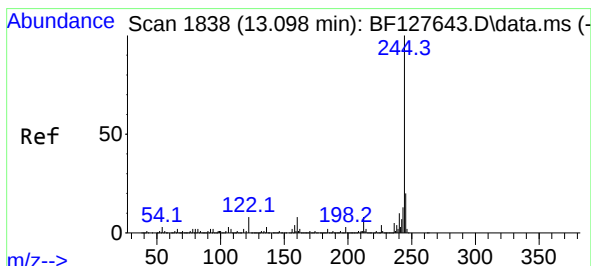
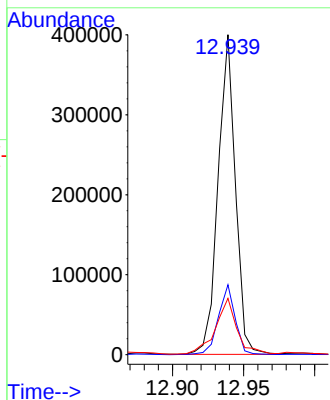
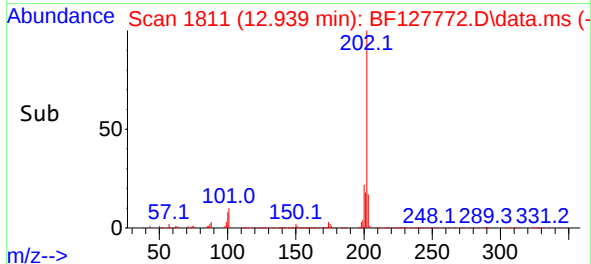
Instrument :
BNA_F
ClientSampleId :
AU-05-041122



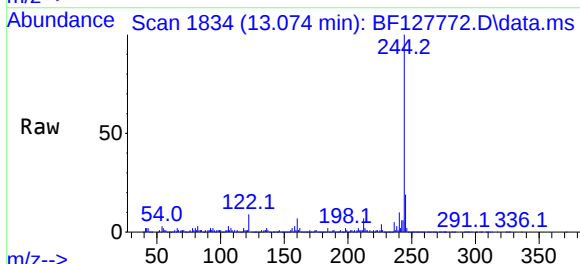
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Ion Ratio Lower Upper
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200 21.9 17.1 25.7
203 17.6 14.3 21.5

Manual Integrations
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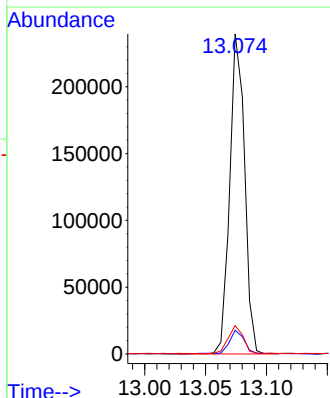
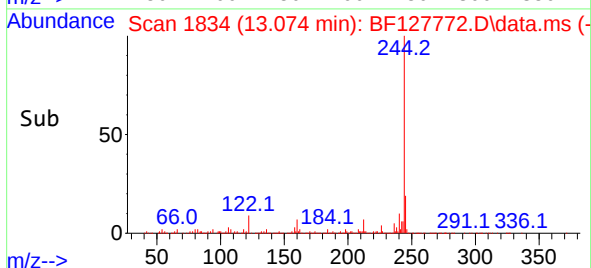
Reviewed By :Christian Giraldo 04/13/2022
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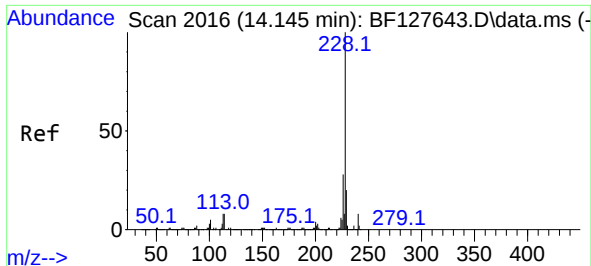


#79
Terphenyl-d14
Concen: 9.973 ng
RT: 13.074 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59



Tgt Ion:244 Resp: 203130
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 8.8 6.2 9.2





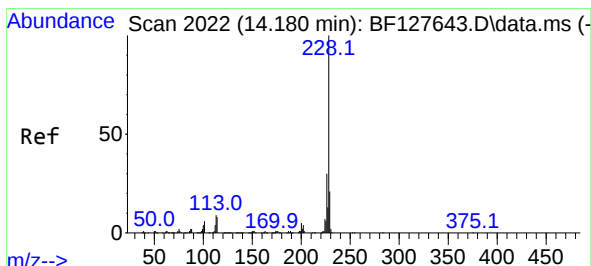
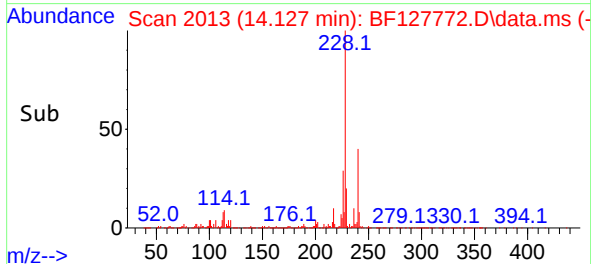
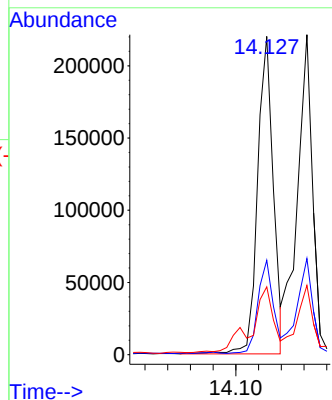
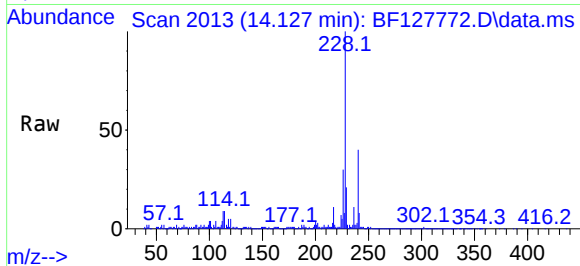
#81
Benzo(a)anthracene
Concen: 9.378 ng
RT: 14.127 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Instrument :
BNA_F
ClientSampleId :
AU-05-041122

Tgt Ion:228 Resp: 21057
Ion Ratio Lower Upper
228 100
226 29.7 21.6 32.4
229 21.3 15.4 23.2

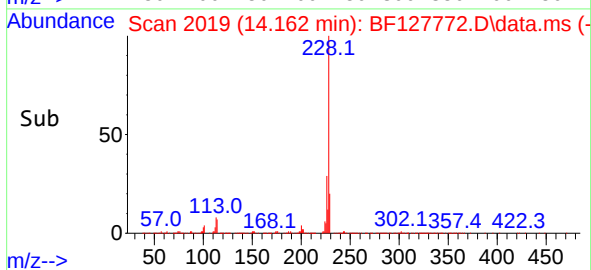
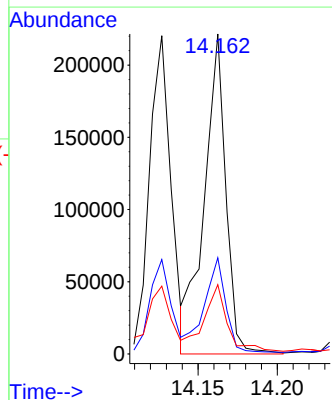
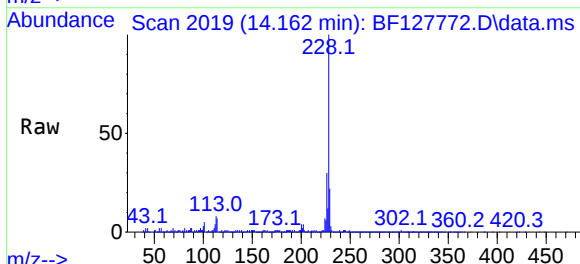
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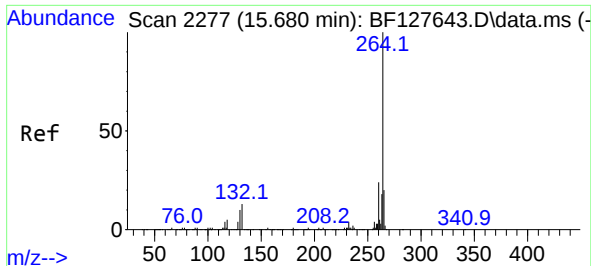
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#83
Chrysene
Concen: 9.779 ng m
RT: 14.162 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Tgt Ion:228 Resp: 210760
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.4
229 21.7 15.4 23.2





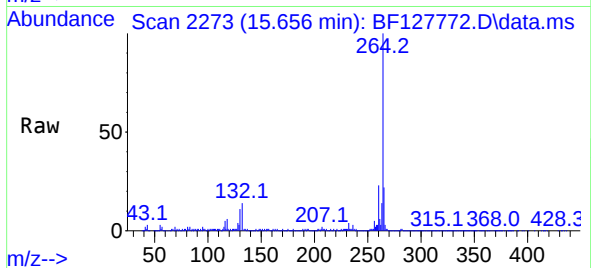
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.656 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

Instrument :

BNA_F

ClientSampleId :

AU-05-041122

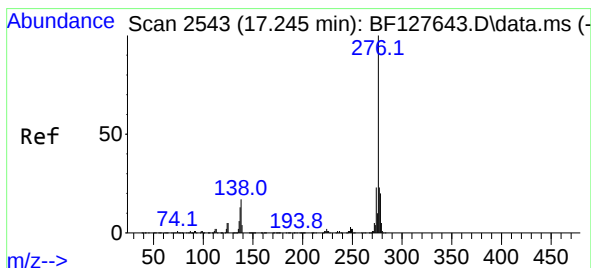
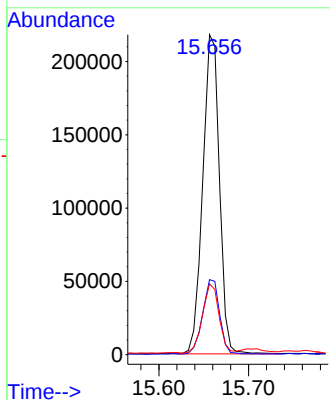
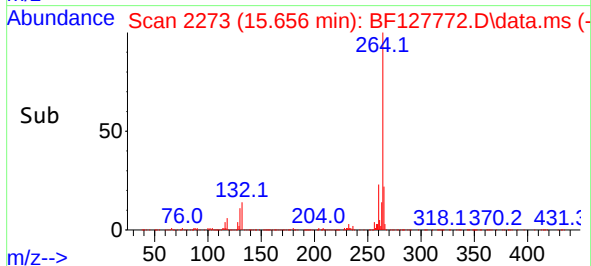


Tgt Ion:264 Resp: 28069
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 22.1 17.4 26.2

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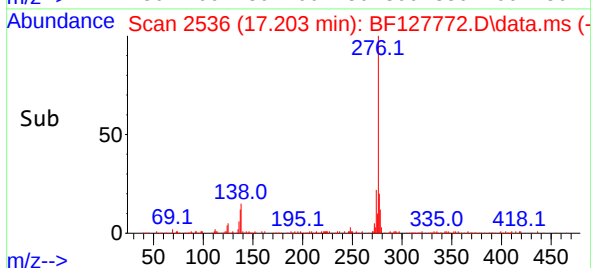
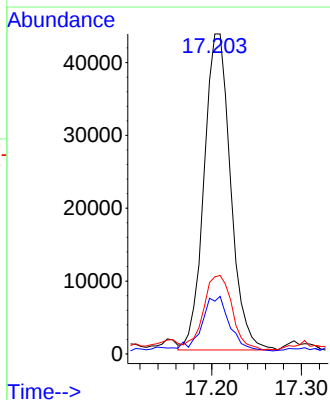
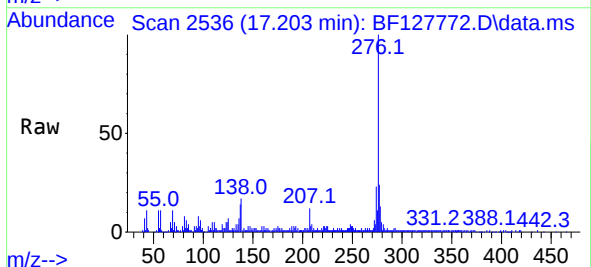
APPROVED

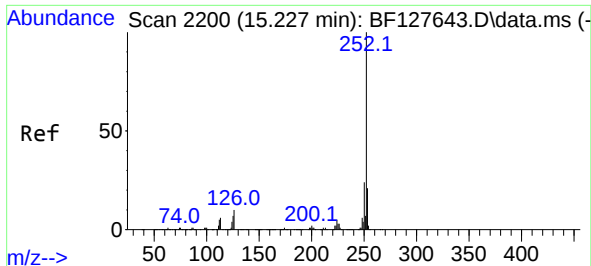
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.087 ng
RT: 17.203 min Scan# 2536
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

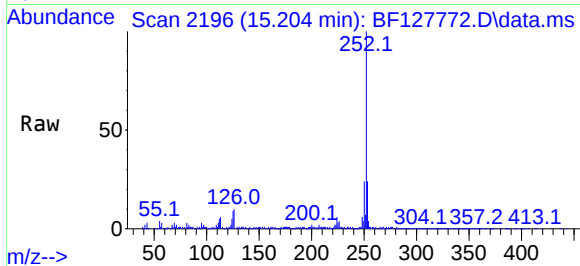
Tgt Ion:276 Resp: 89212
Ion Ratio Lower Upper
276 100
138 18.2 17.1 25.7
277 25.1 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 14.379 ng m
RT: 15.204 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

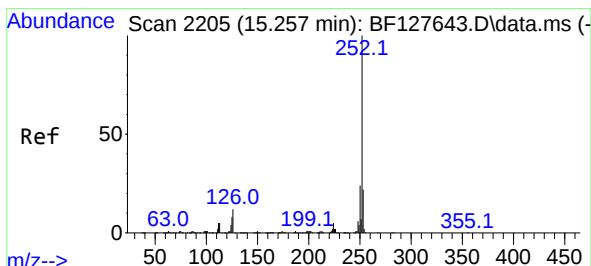
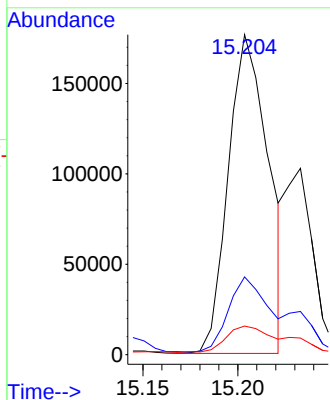
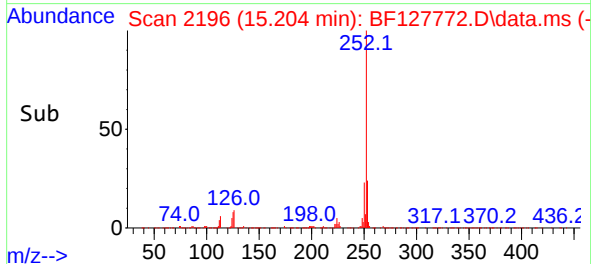
Instrument :
BNA_F
ClientSampleId :
AU-05-041122



Tgt Ion:252 Resp: 25963
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 8.9 7.0 10.4

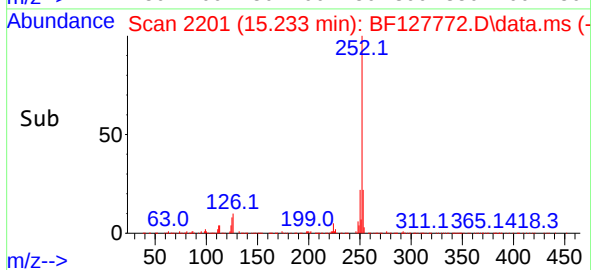
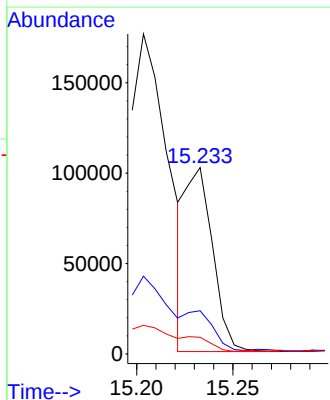
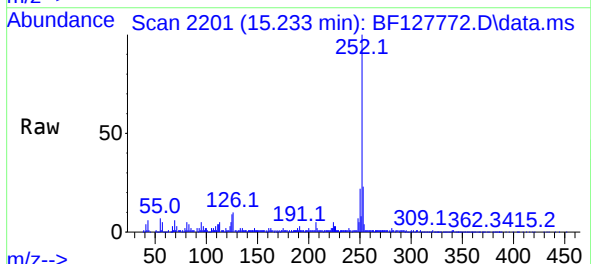
Manual Integrations
APPROVED

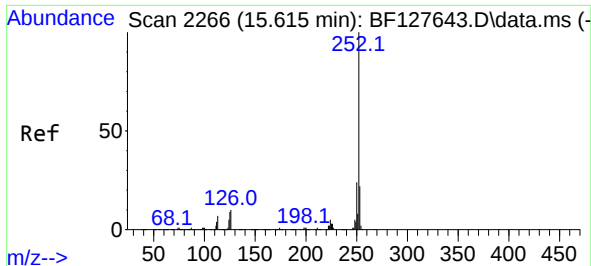
Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#89
Benzo(k)fluoranthene
Concen: 5.555 ng m
RT: 15.233 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

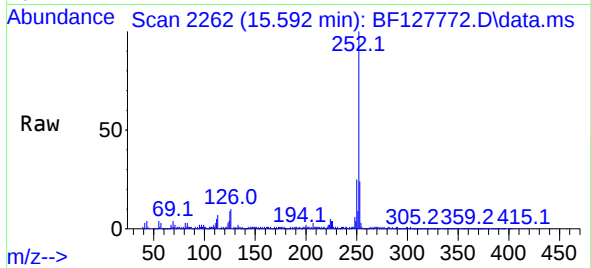
Tgt Ion:252 Resp: 99485
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 9.0 6.9 10.3





#90
Benzo(a)pyrene
Concen: 12.140 ng
RT: 15.592 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59

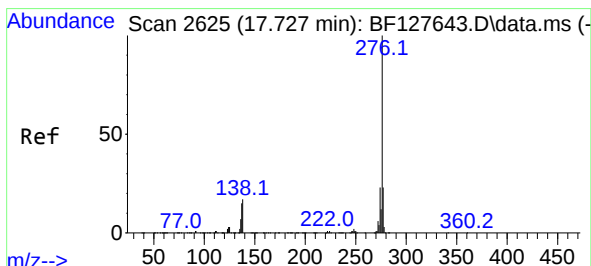
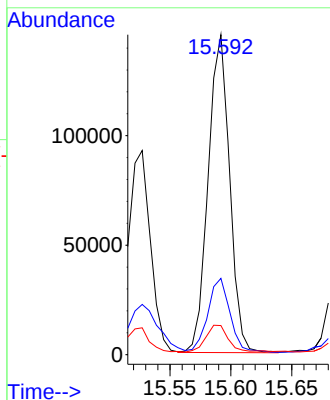
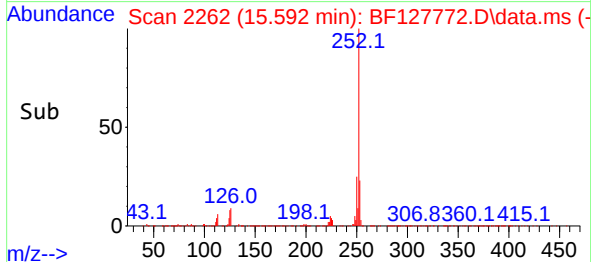
Instrument :
BNA_F
ClientSampleId :
AU-05-041122



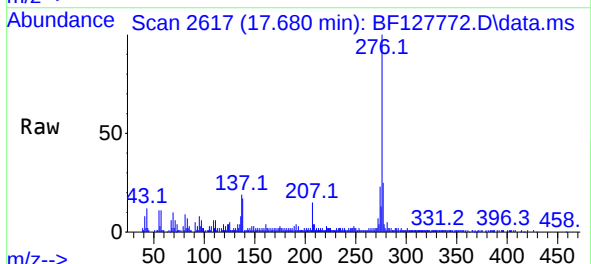
Tgt Ion:252 Resp: 17818
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.6
125 9.1 6.7 10.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/13/2022
Supervised By :Jagrut Upadhyay 04/13/2022



#92
Benzo(g,h,i)perylene
Concen: 5.471 ng
RT: 17.680 min Scan# 2617
Delta R.T. -0.012 min
Lab File: BF127772.D
Acq: 12 Apr 2022 21:59



Tgt Ion:276 Resp: 79700
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.4
138 17.4 14.6 22.0

