

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128445.D
 Acq On : 24 May 2022 20:11
 Operator : CG\JU
 Sample : N2981-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(4.5-5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2022
 Supervised By : Jagrut Upadhyay 05/25/2022

Quant Time: May 25 03:56:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 03:52:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	85249	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	297790	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	137061	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	228274	20.000	ng	0.00
76) Chrysene-d12	14.027	240	167113	20.000	ng	0.00
86) Perylene-d12	15.510	264	123052	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	430648	80.391	ng	0.00
7) Phenol-d6	6.481	99	532420	75.478	ng	-0.01
23) Nitrobenzene-d5	7.410	82	354222	53.296	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	92669	65.560	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	514979	61.444	ng	0.00
79) Terphenyl-d14	12.963	244	510440	58.964	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.916	154	35540	5.149	ng	95
55) Dibenzofuran	10.092	168	24291	2.321	ng	96
58) Fluorene	10.434	166	27725	3.380	ng	98
71) Phenanthrene	11.404	178	435731	39.113	ng	99
72) Anthracene	11.451	178	108319	9.783	ng	99
73) Carbazole	11.616	167	54158	4.905	ng	97
75) Fluoranthene	12.598	202	697261	57.794	ng	98
78) Pyrene	12.828	202	594453	47.509	ng	99
80) Butylbenzylphthalate	13.433	149	64426	12.839	ng	92
81) Benzo(a)anthracene	14.016	228	320651	30.158	ng	98
83) Chrysene	14.051	228	257208	25.400	ng	98
84) Bis(2-ethylhexyl)phtha...	13.998	149	65255	9.834	ng	# 58
85) Di-n-octyl phthalate	14.604	149	70451	6.607	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.015	276	116917	16.647	ng	95
88) Benzo(b)fluoranthene	15.074	252	284011m	37.103	ng	
89) Benzo(k)fluoranthene	15.104	252	101646m	14.178	ng	
90) Benzo(a)pyrene	15.451	252	190089m	30.935	ng	
91) Dibenzo(a,h)anthracene	17.015	278	31211m	5.538	ng	
92) Benzo(g,h,i)perylene	17.474	276	107019	18.203	ng	96

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

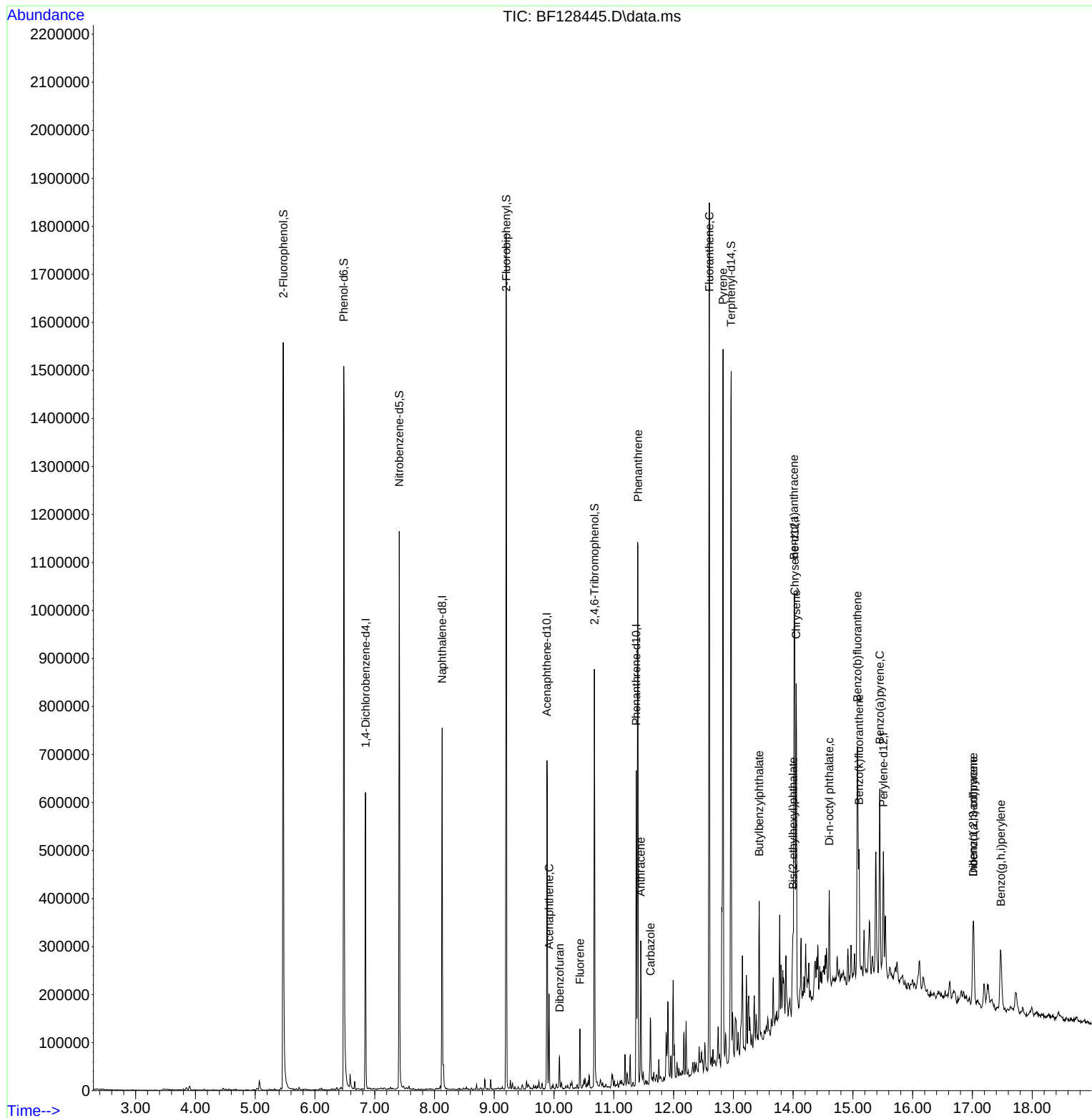
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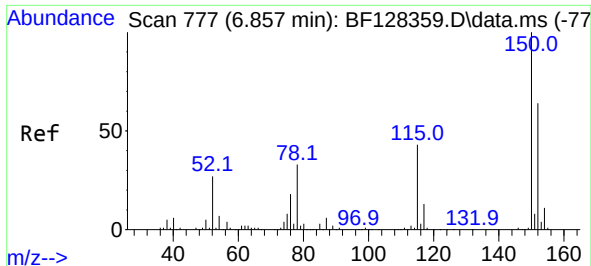
Instrument :
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SB-15(4.5-5)

Quant Time: May 25 03:56:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Instrument :

BNA_F

ClientSampleId :

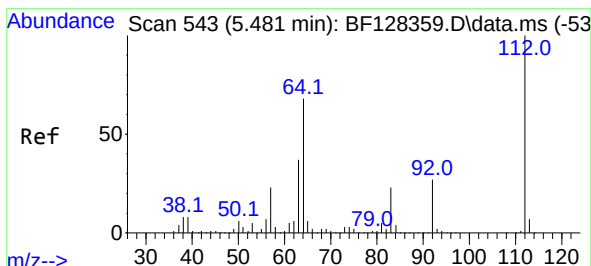
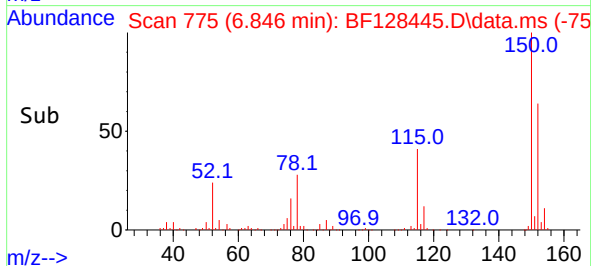
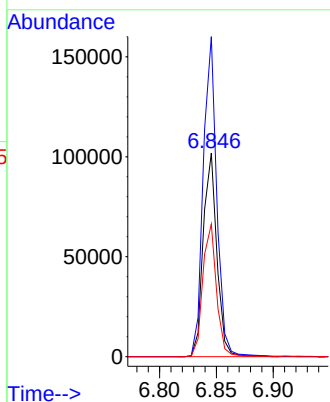
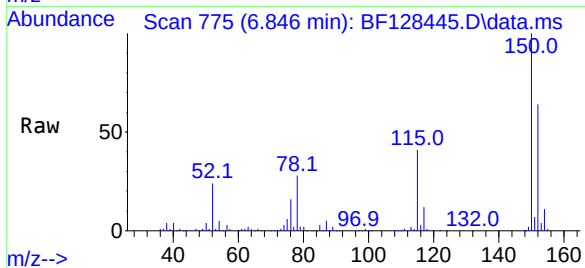
SB-15(4.5-5)

Tgt Ion:152 Resp: 85249
Ion Ratio Lower Upper
152 100
150 157.1 125.3 187.9
115 65.1 48.8 73.2

Manual Integrations

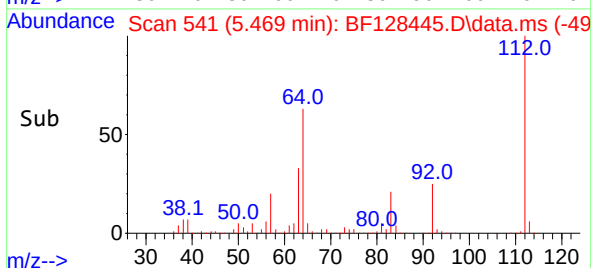
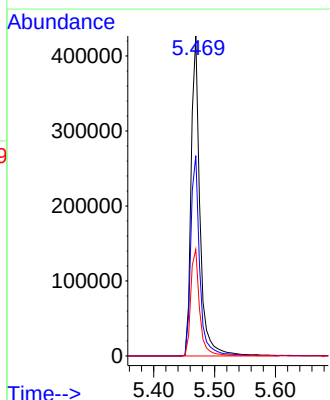
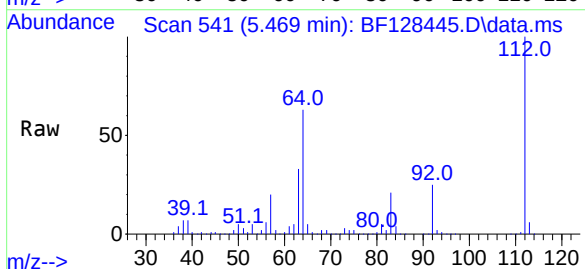
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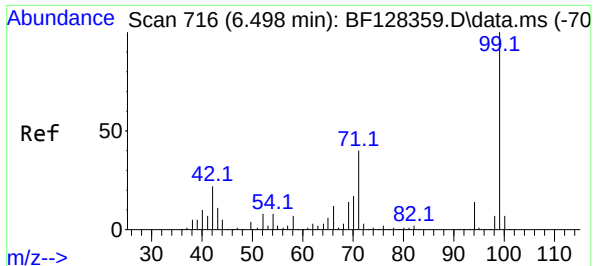
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#5
2-Fluorophenol
Concen: 80.391 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

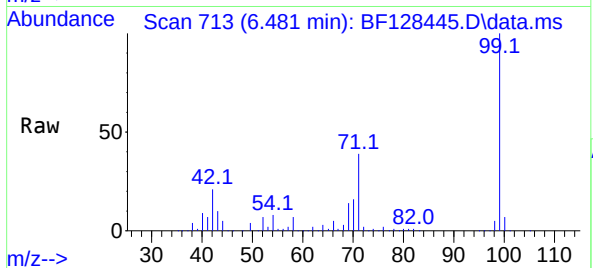
Tgt Ion:112 Resp: 430648
Ion Ratio Lower Upper
112 100
64 62.6 49.5 74.3
63 33.3 26.3 39.5





#7
Phenol-d6
Concen: 75.478 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

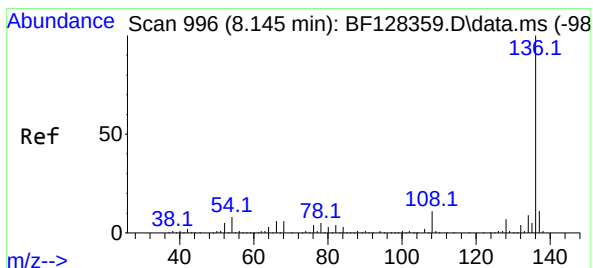
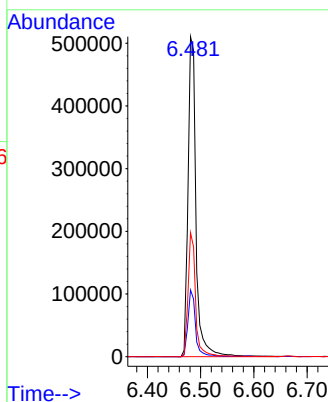
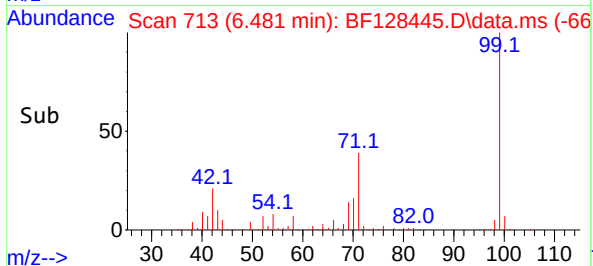
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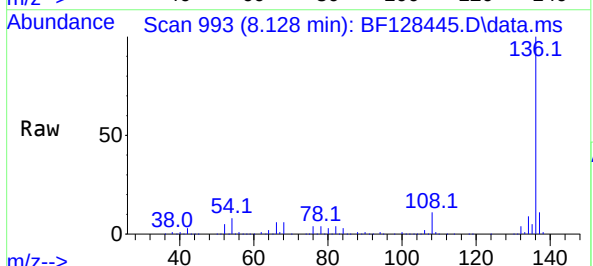
Tgt Ion: 99 Resp: 532420
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 38.8 30.0 45.0

Manual Integrations
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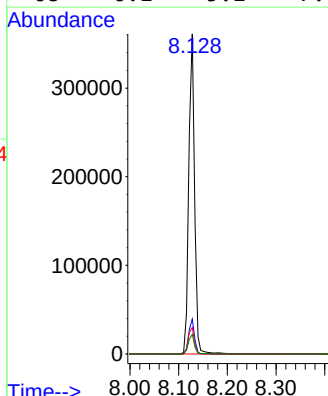
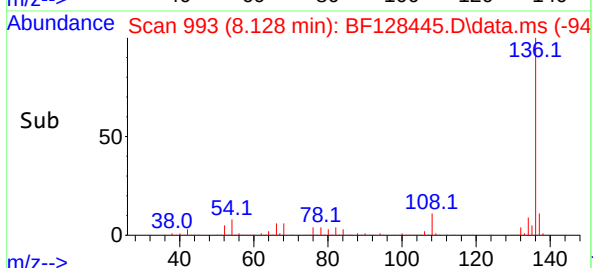
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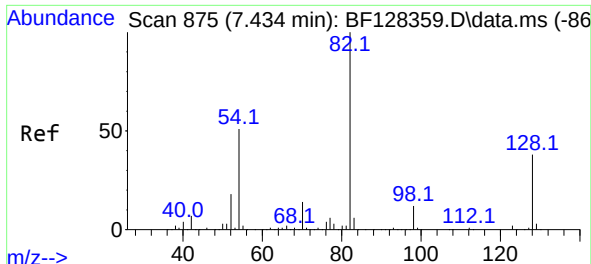


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



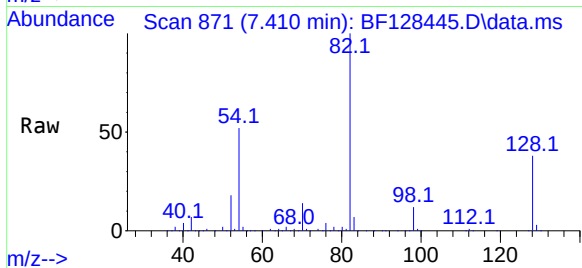
Tgt Ion:136 Resp: 297790
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 6.8 10.2
68 6.1 5.1 7.7





#23
Nitrobenzene-d5
Concen: 53.296 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

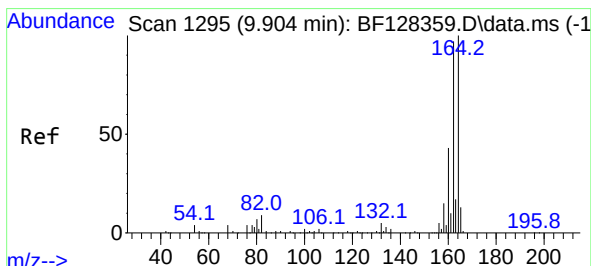
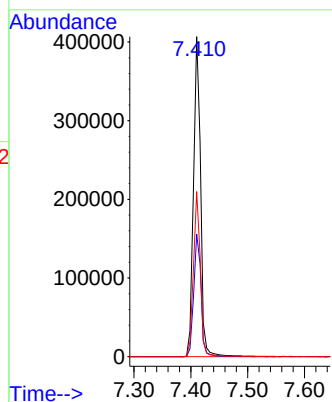
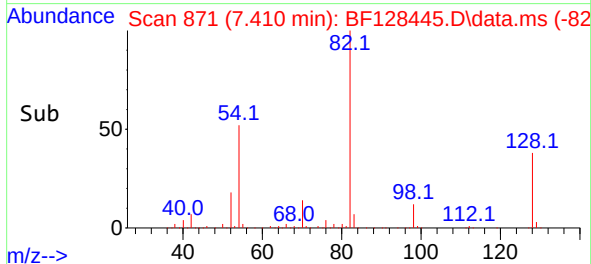
Instrument :
BNA_F
ClientSampleId :
SB-15(4.5-5)



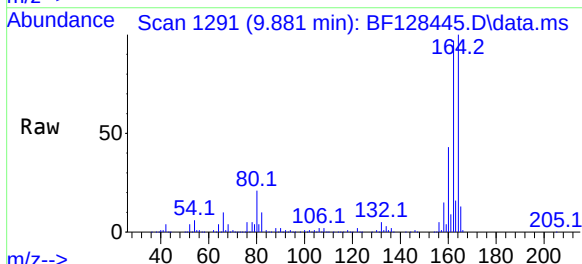
Tgt Ion: 82 Resp: 35422
Ion Ratio Lower Upper
82 100
128 38.3 30.0 45.0
54 51.6 41.3 61.9

Manual Integrations
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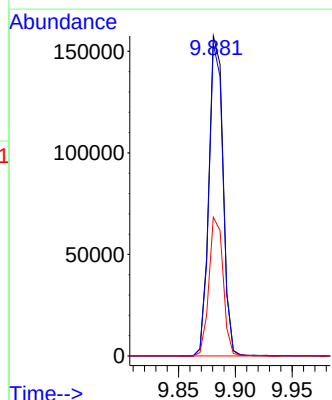
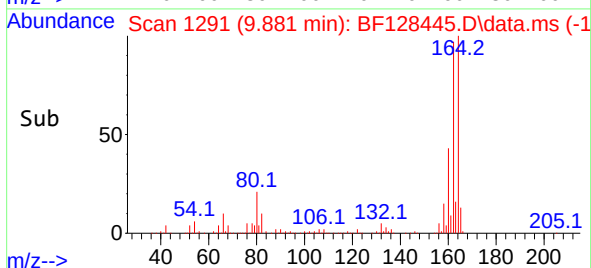
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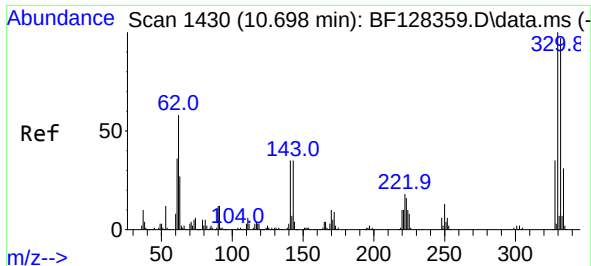


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



Tgt Ion:164 Resp: 137061
Ion Ratio Lower Upper
164 100
162 97.5 76.0 114.0
160 43.4 34.8 52.2





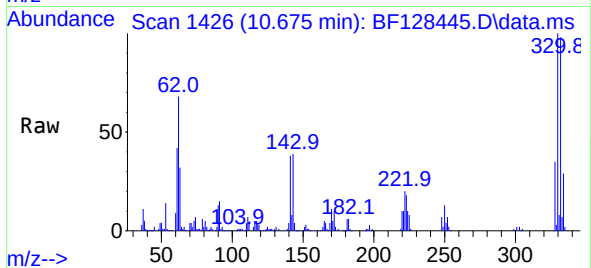
#42
2,4,6-Tribromophenol
Concen: 65.560 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Instrument :

BNA_F

ClientSampleId :

SB-15(4.5-5)

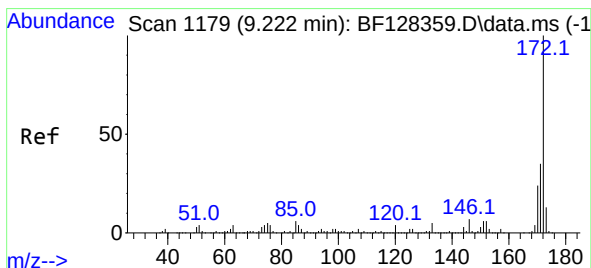
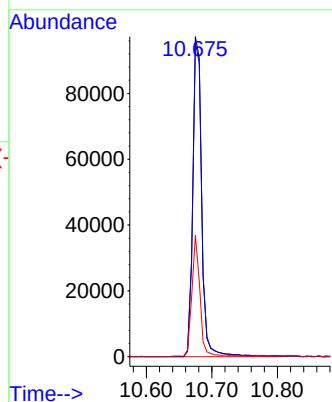
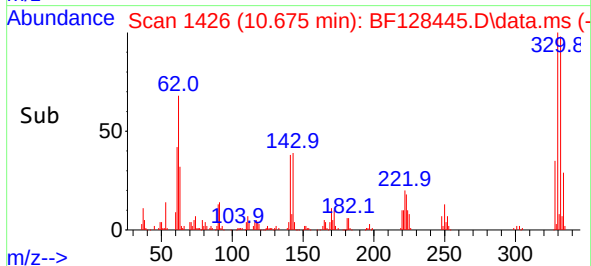


Tgt Ion:330 Resp: 92669
Ion Ratio Lower Upper
330 100
332 97.7 79.0 118.4
141 34.5 28.9 43.3

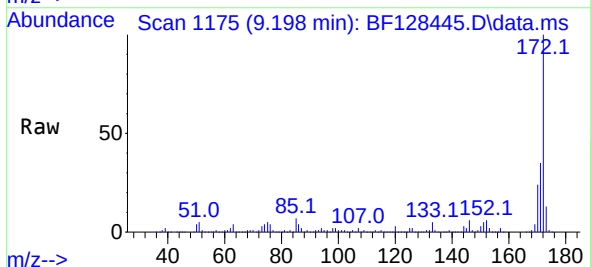
Manual Integrations

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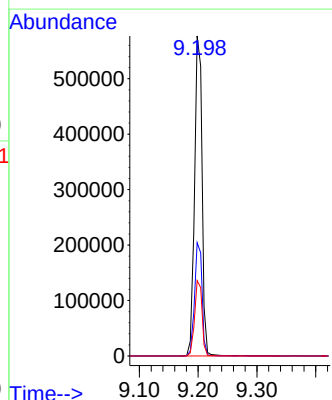
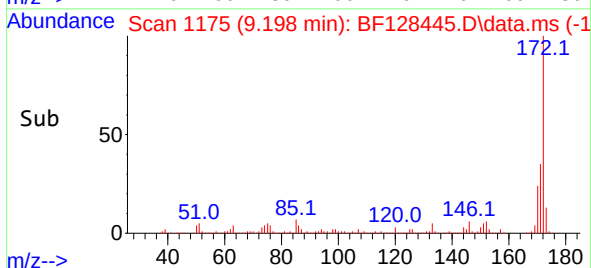
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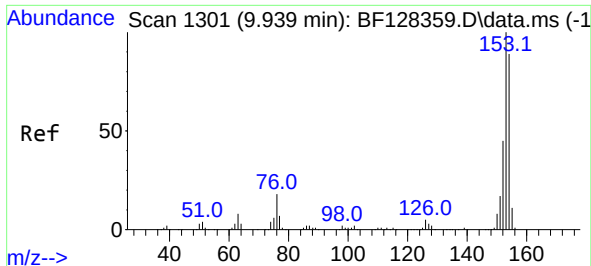


#45
2-Fluorobiphenyl
Concen: 61.444 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



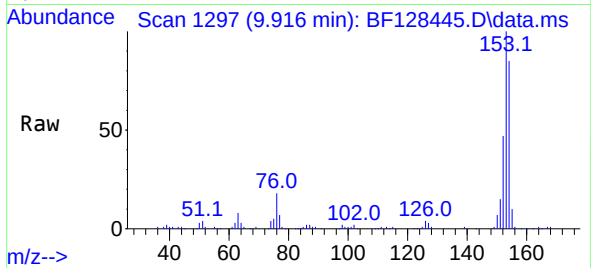
Tgt Ion:172 Resp: 514979
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.6 19.1 28.7





#52
Acenaphthene
Concen: 5.149 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

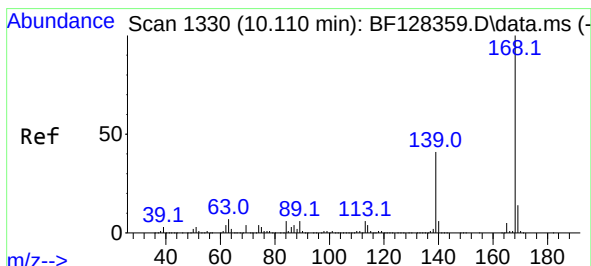
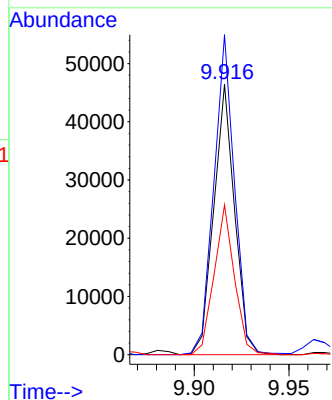
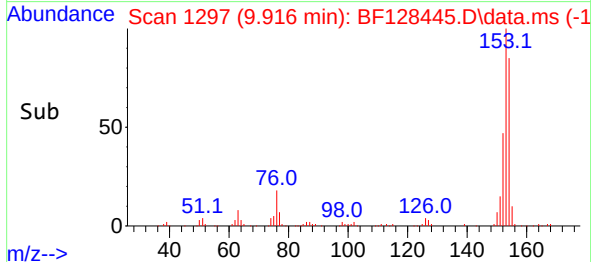
Instrument :
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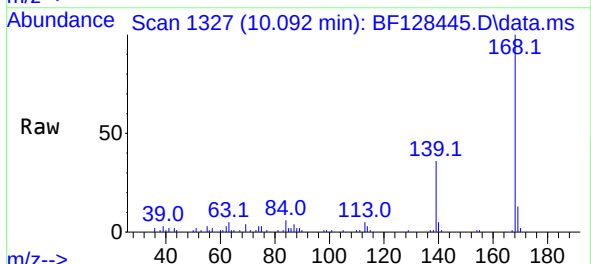
Tgt Ion:154 Resp: 35540
Ion Ratio Lower Upper
154 100
153 118.3 90.5 135.7
152 55.4 41.0 61.6

Manual Integrations
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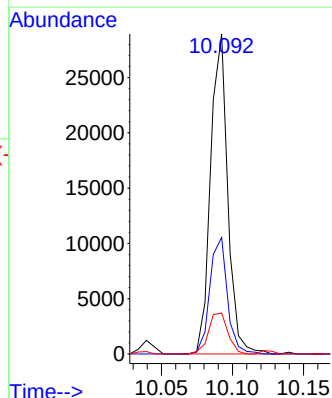
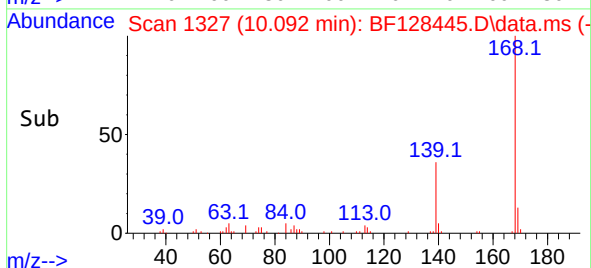
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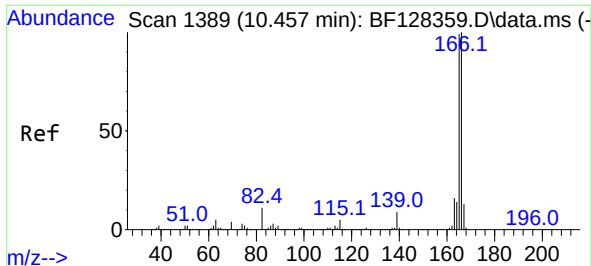


#55
Dibenzofuran
Concen: 2.321 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



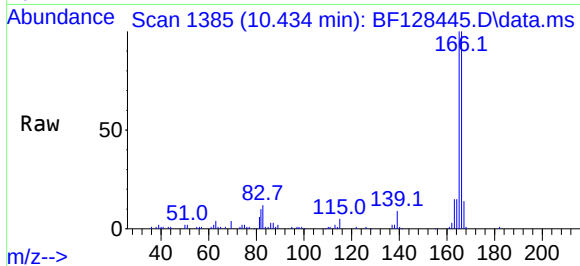
Tgt Ion:168 Resp: 24291
Ion Ratio Lower Upper
168 100
139 36.4 31.7 47.5
169 12.8 10.9 16.3





#58
Fluorene
Concen: 3.380 ng
RT: 10.434 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

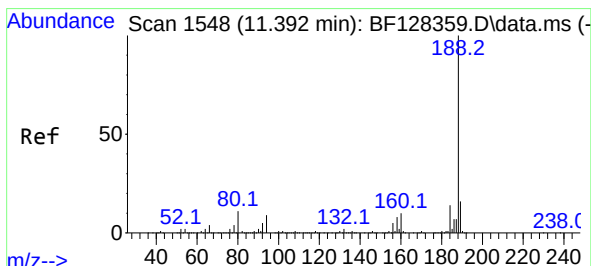
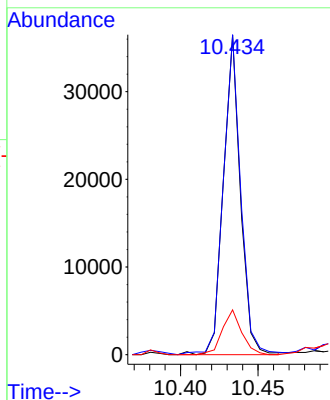
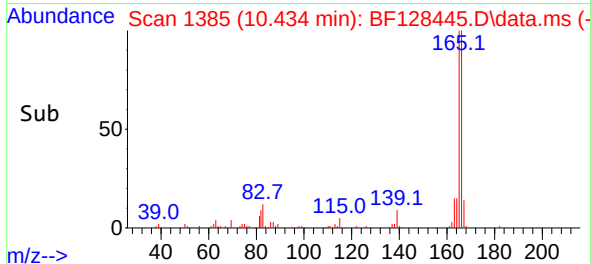
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SB-15(4.5-5)



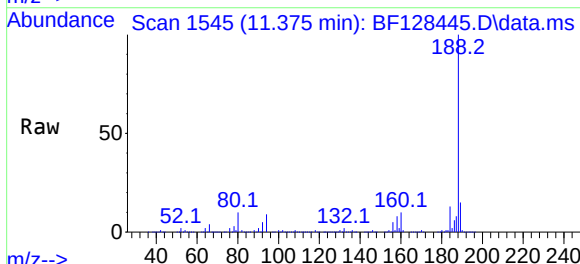
Tgt Ion:166 Resp: 27725
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 14.0 10.5 15.7

Manual Integrations
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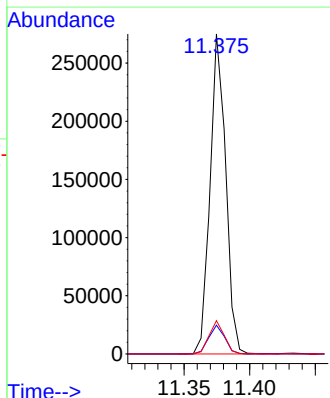
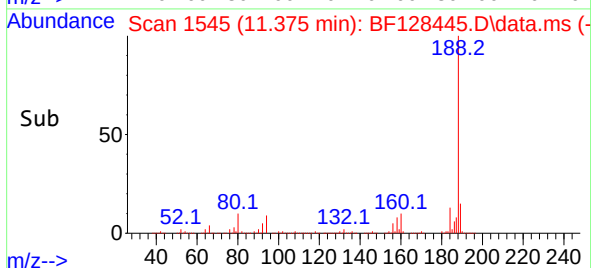
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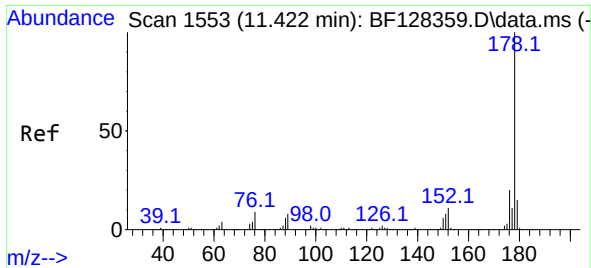


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



Tgt Ion:188 Resp: 228274
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 10.4 8.9 13.3





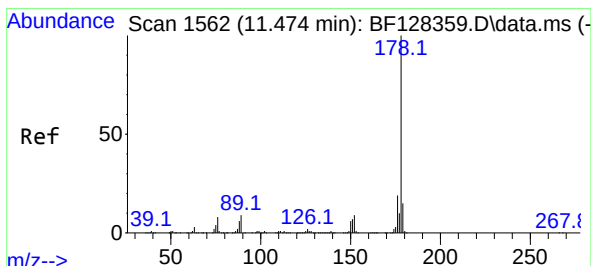
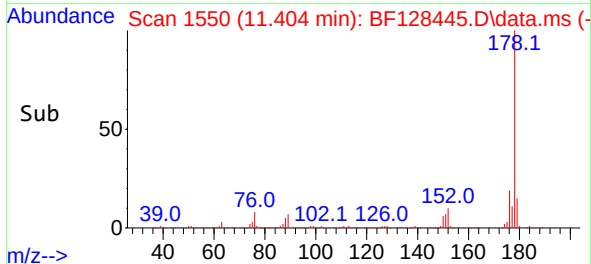
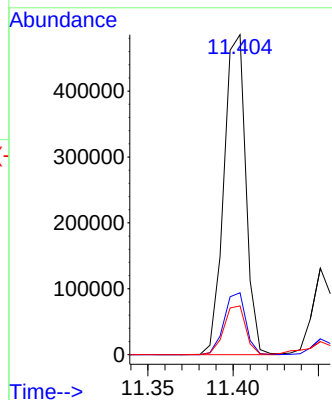
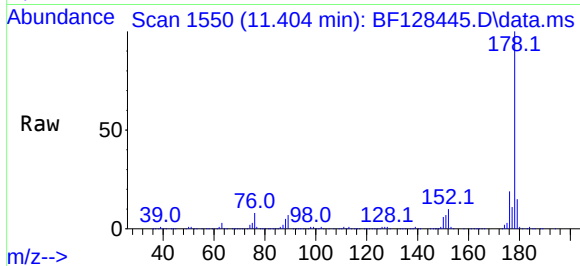
#71
Phenanthrene
Concen: 39.113 ng
RT: 11.404 min Scan# 11553
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Instrument :
BNA_F
ClientSampleId :
SB-15(4.5-5)

Tgt Ion:178 Resp: 43573
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.2 12.6 19.0

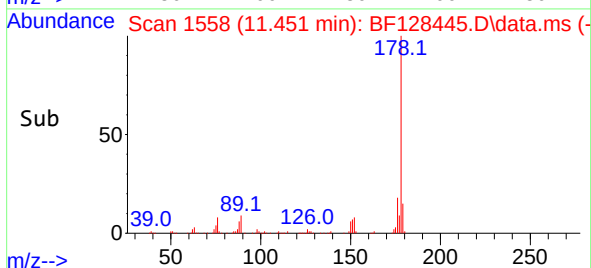
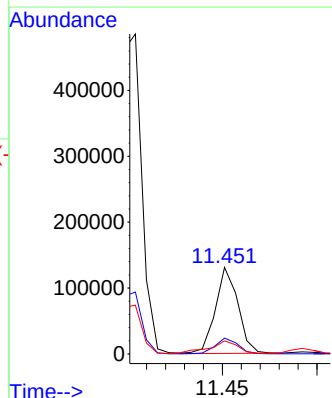
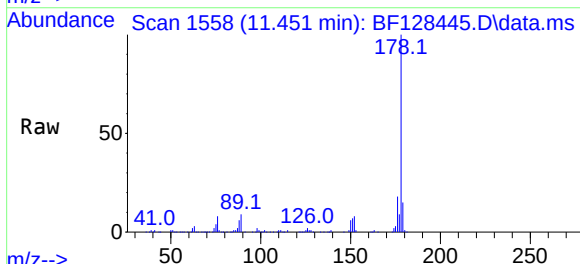
Manual Integrations
APPROVED

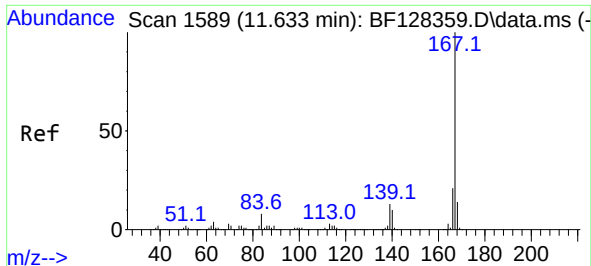
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#72
Anthracene
Concen: 9.783 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

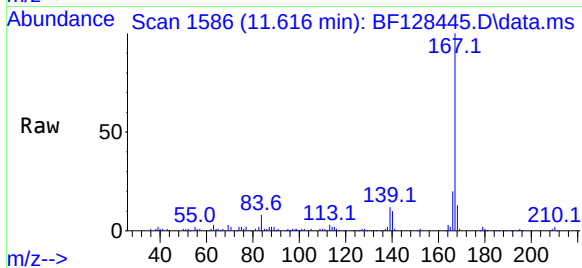
Tgt Ion:178 Resp: 108319
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 15.1 12.4 18.6





#73
 Carbazole
 Concen: 4.905 ng
 RT: 11.616 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF128445.D
 Acq: 24 May 2022 20:11

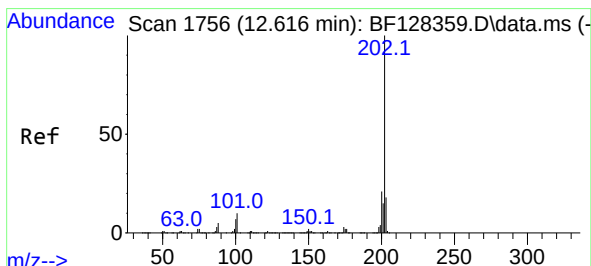
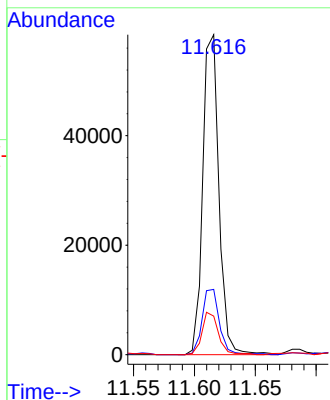
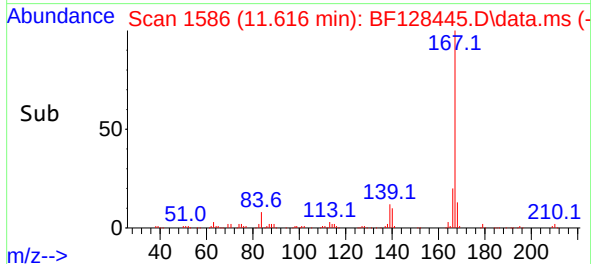
Instrument :
 BNA_F
 ClientSampleId :
 SB-15(4.5-5)



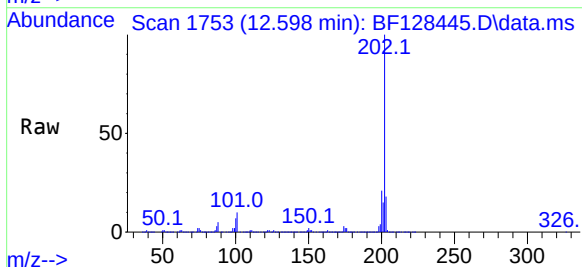
Tgt Ion:167 Resp: 54158
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.6 26.4
 139 12.0 10.7 16.1

Manual Integrations
 APPROVED

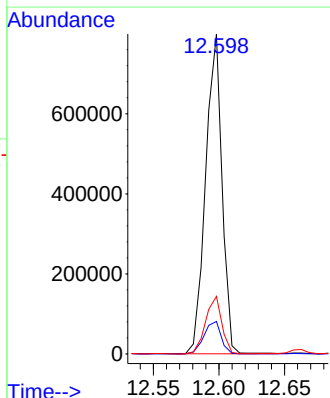
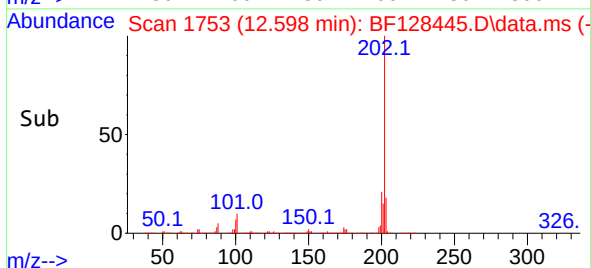
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

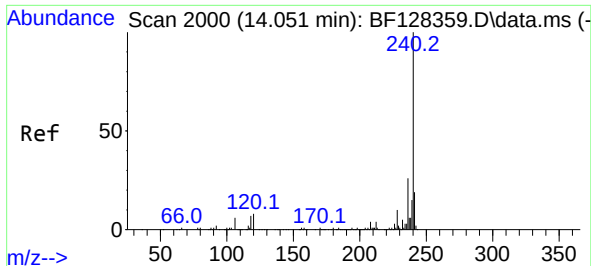


#75
 Fluoranthene
 Concen: 57.794 ng
 RT: 12.598 min Scan# 1753
 Delta R.T. 0.000 min
 Lab File: BF128445.D
 Acq: 24 May 2022 20:11



Tgt Ion:202 Resp: 697261
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.6
 203 18.0 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Instrument :

BNA_F

ClientSampleId :

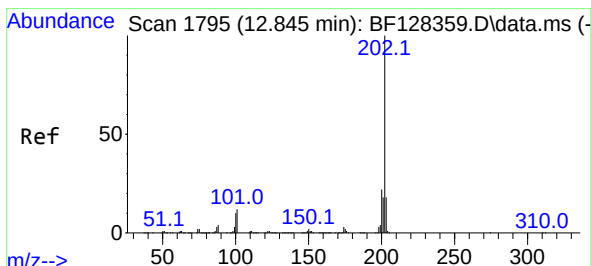
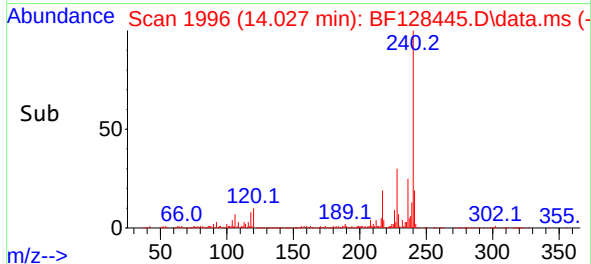
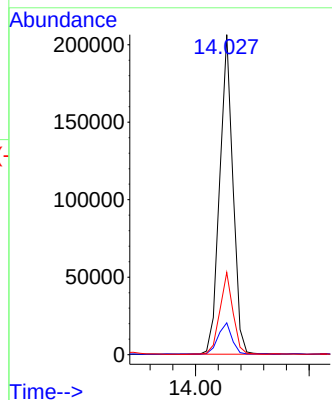
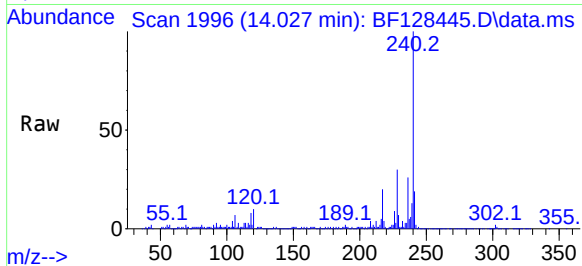
SB-15(4.5-5)

Tgt Ion:240 Resp: 167111
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.6
236 25.7 20.3 30.5

Manual Integrations

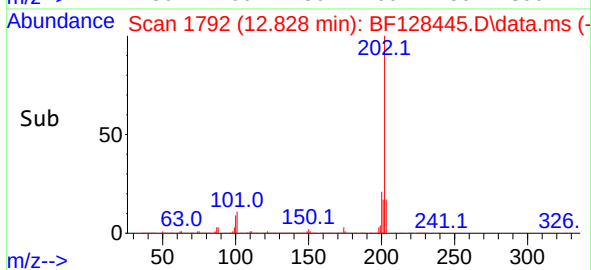
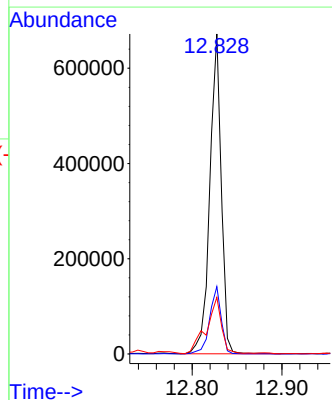
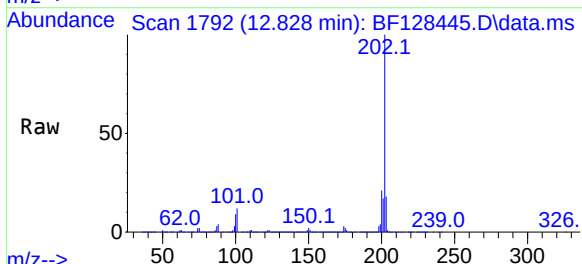
APPROVED

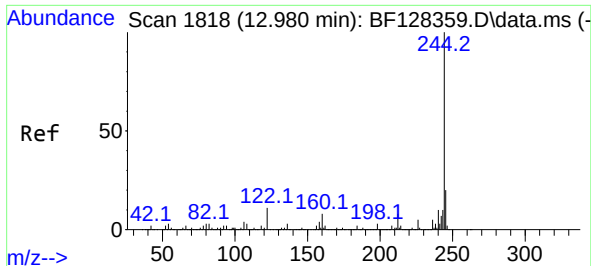
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#78
Pyrene
Concen: 47.509 ng
RT: 12.828 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Tgt Ion:202 Resp: 594453
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.7 14.0 21.0





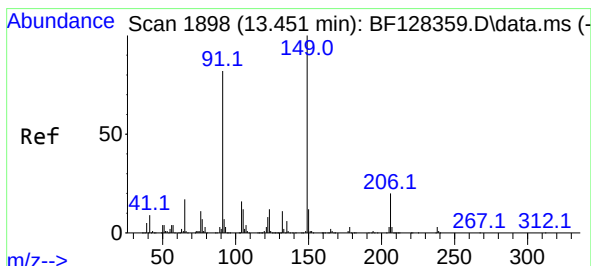
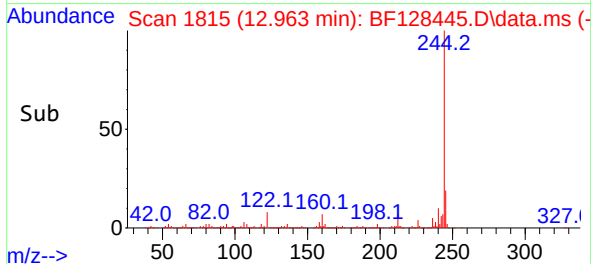
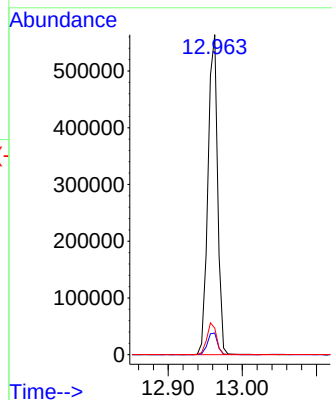
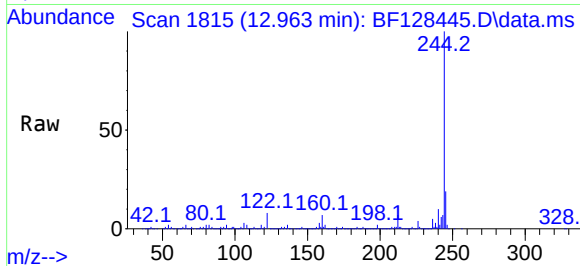
#79
Terphenyl-d14
Concen: 58.964 ng
RT: 12.963 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Instrument :
BNA_F
ClientSampleId :
SB-15(4.5-5)

Tgt Ion:244 Resp: 510440
Ion Ratio Lower Upper
244 100
212 6.8 6.2 9.4
122 8.3 8.6 12.8

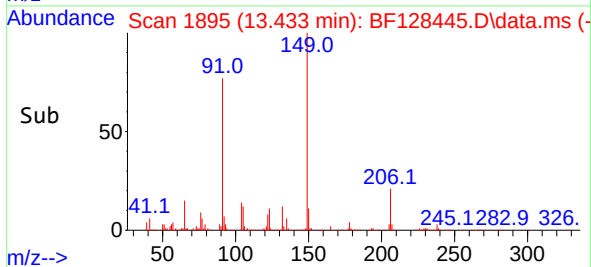
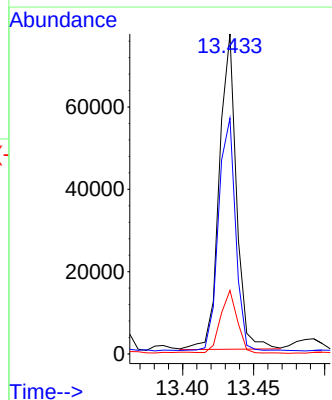
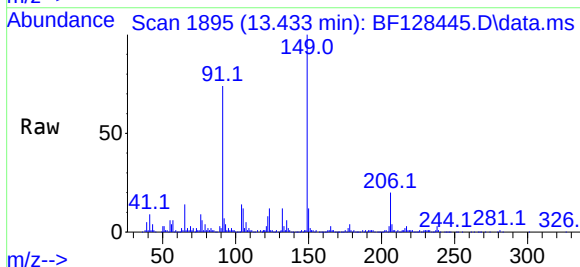
Manual Integrations
APPROVED

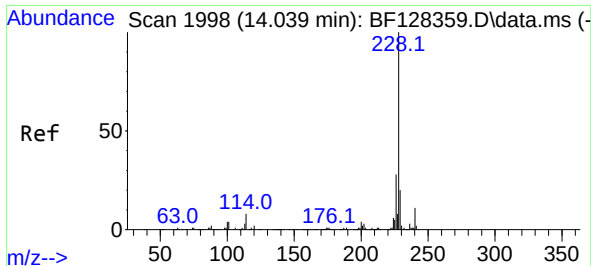
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#80
Butylbenzylphthalate
Concen: 12.839 ng
RT: 13.433 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

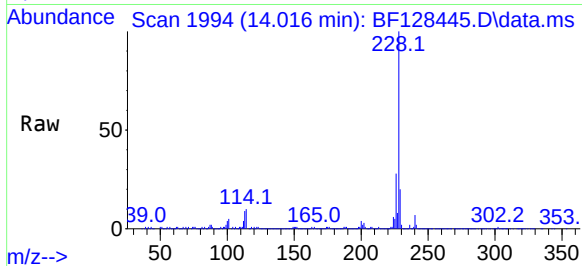
Tgt Ion:149 Resp: 64426
Ion Ratio Lower Upper
149 100
91 73.7 65.8 98.6
206 19.9 15.4 23.2





#81
Benzo(a)anthracene
Concen: 30.158 ng
RT: 14.016 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

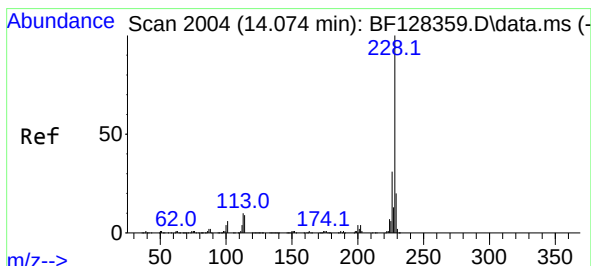
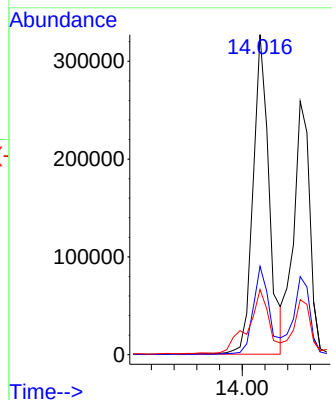
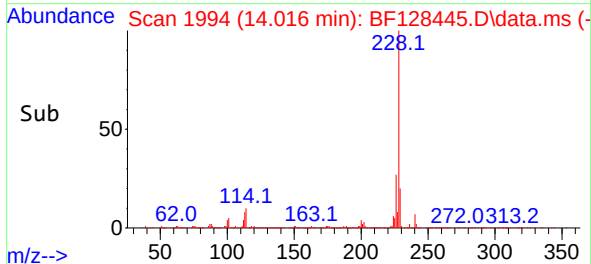
Instrument :
BNA_F
ClientSampleId :
SB-15(4.5-5)



Tgt Ion:228 Resp: 32065
Ion Ratio Lower Upper
228 100
226 27.6 21.7 32.5
229 20.4 15.4 23.2

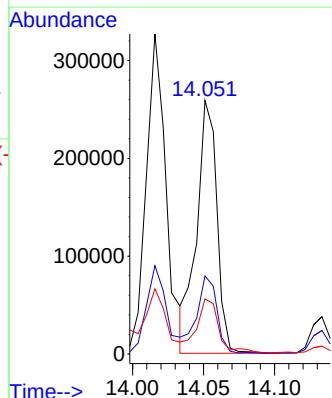
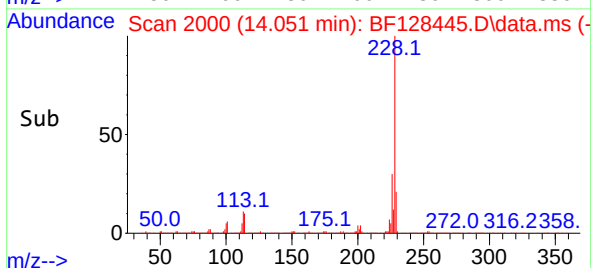
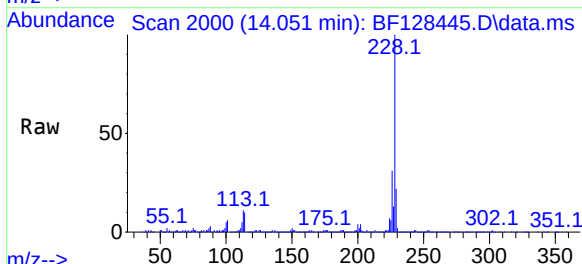
Manual Integrations
APPROVED

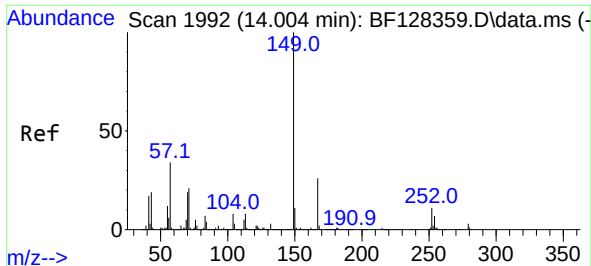
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#83
Chrysene
Concen: 25.400 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

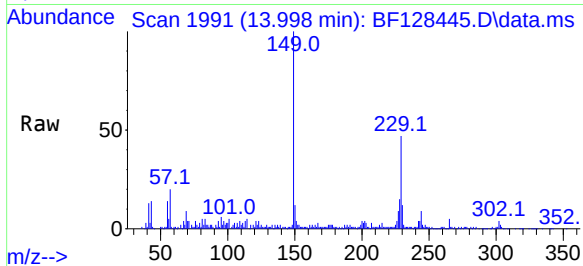
Tgt Ion:228 Resp: 257208
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.7 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 9.834 ng
RT: 13.998 min Scan# 1991
Delta R.T. 0.012 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

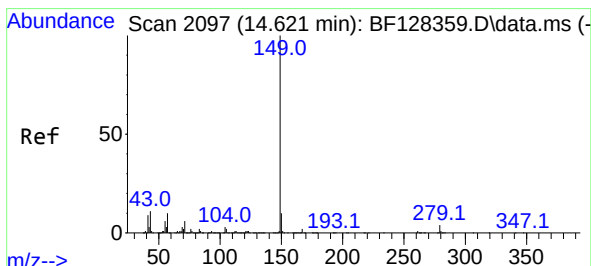
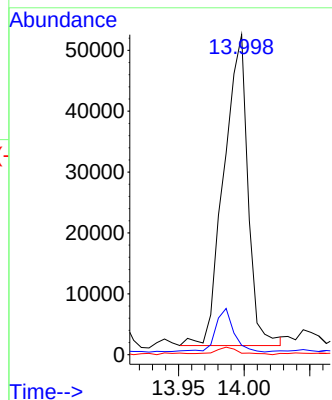
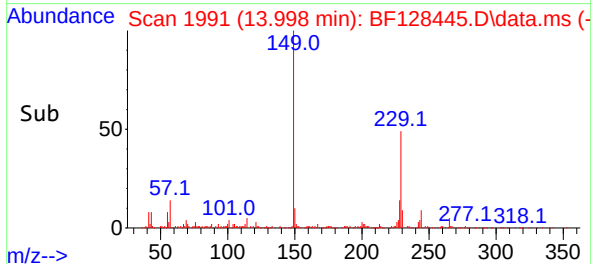
Instrument :
BNA_F
ClientSampleId :
SB-15(4.5-5)



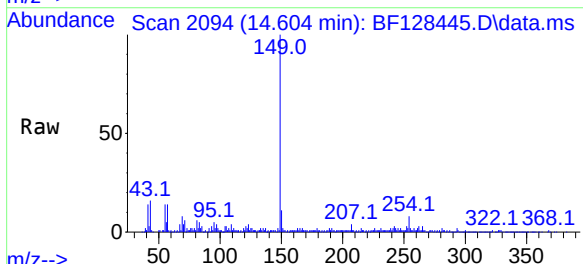
Tgt Ion:149 Resp: 6525
Ion Ratio Lower Upper
149 100
167 2.9 22.0 33.0
279 0.4 3.4 5.0

Manual Integrations
APPROVED

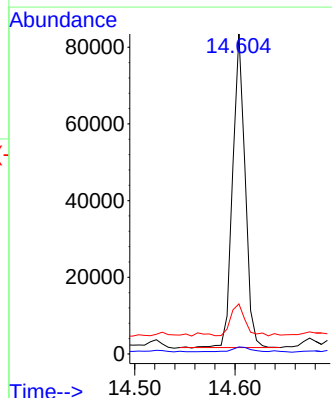
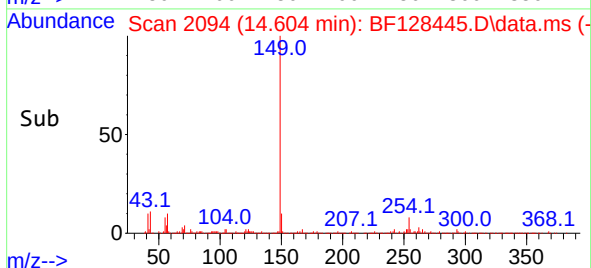
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

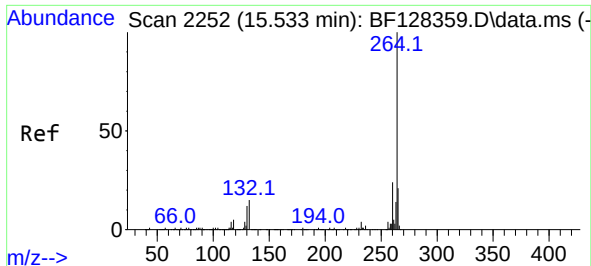


#85
Di-n-octyl phthalate
Concen: 6.607 ng
RT: 14.604 min Scan# 2094
Delta R.T. 0.006 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



Tgt Ion:149 Resp: 70451
Ion Ratio Lower Upper
149 100
167 2.4 1.3 1.9
43 12.9 8.9 13.3





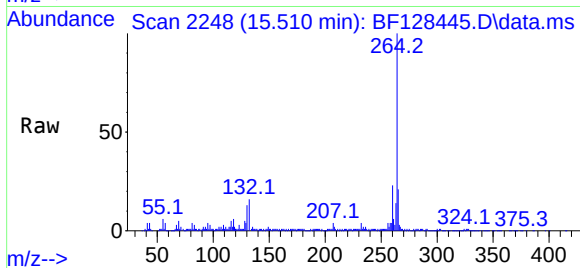
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Instrument :

BNA_F

ClientSampleId :

SB-15(4.5-5)

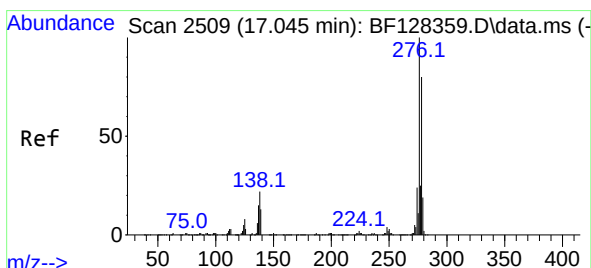
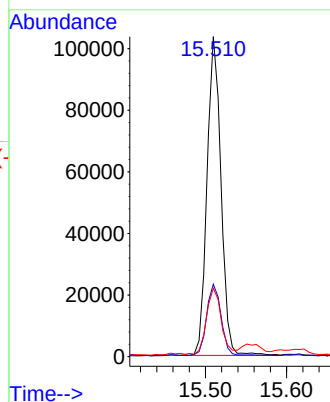
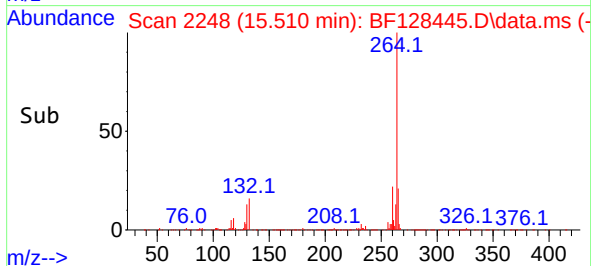


Tgt Ion:264 Resp: 123052
Ion Ratio Lower Upper
264 100
260 22.6 20.1 30.1
265 21.4 17.5 26.3

Manual Integrations

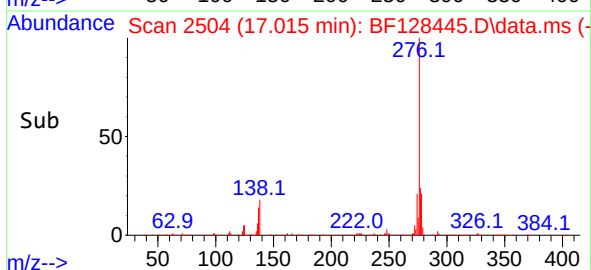
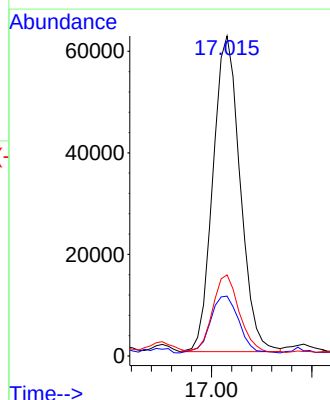
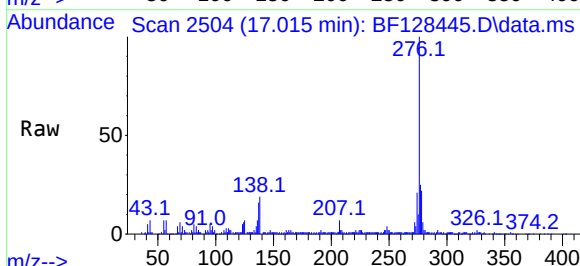
APPROVED

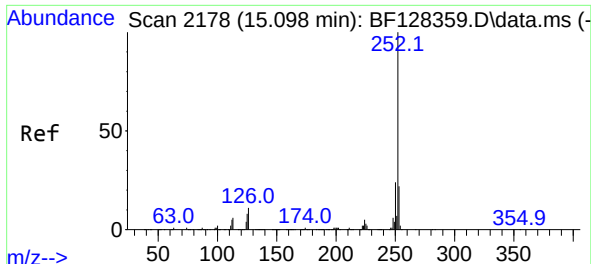
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.647 ng
RT: 17.015 min Scan# 2504
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

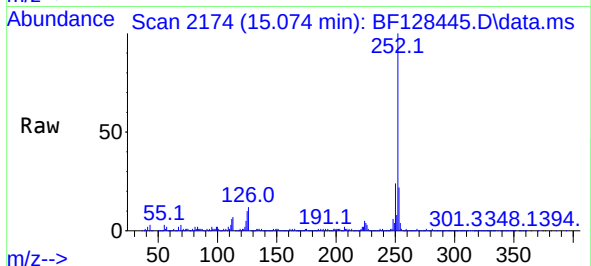
Tgt Ion:276 Resp: 116917
Ion Ratio Lower Upper
276 100
138 19.4 19.0 28.4
277 24.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 37.103 ng m
RT: 15.074 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

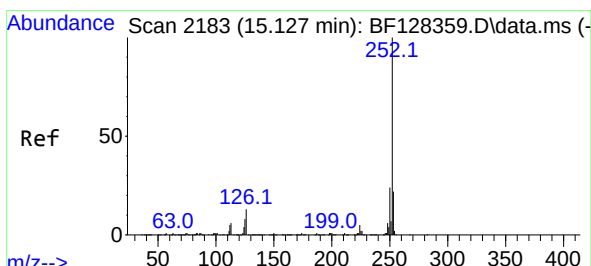
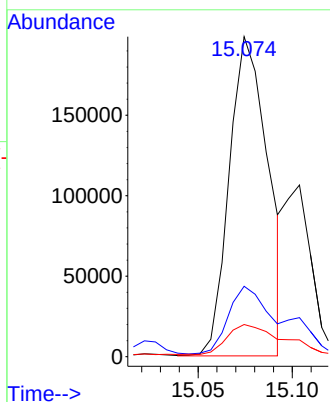
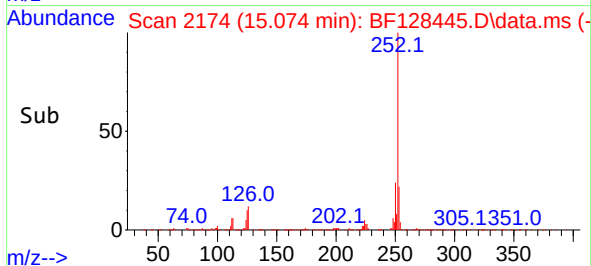
Instrument :
BNA_F
ClientSampleId :
SB-15(4.5-5)



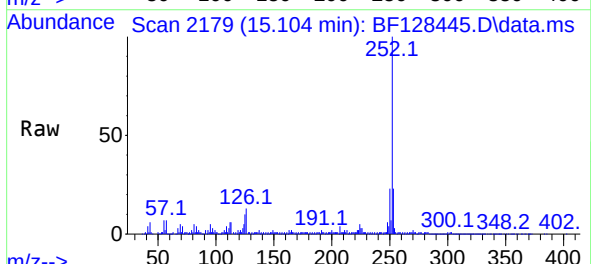
Tgt Ion:252 Resp: 28401
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.1 7.4 11.2

Manual Integrations
APPROVED

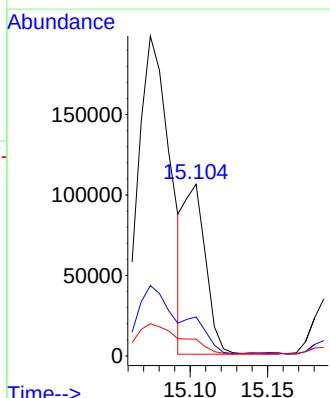
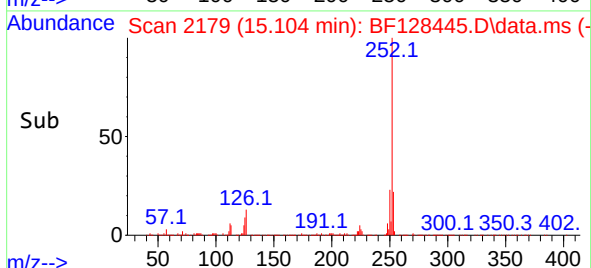
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

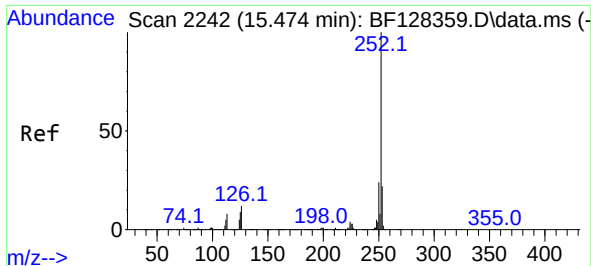


#89
Benzo(k)fluoranthene
Concen: 14.178 ng m
RT: 15.104 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



Tgt Ion:252 Resp: 101646
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 9.8 6.8 10.2





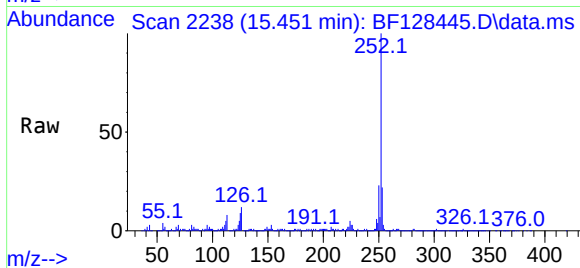
#90
Benzo(a)pyrene
Concen: 30.935 ng m
RT: 15.451 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11

Instrument :

BNA_F

ClientSampleId :

SB-15(4.5-5)

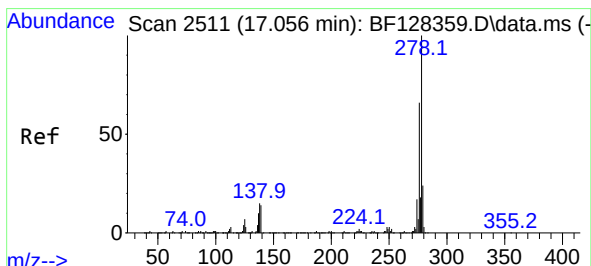
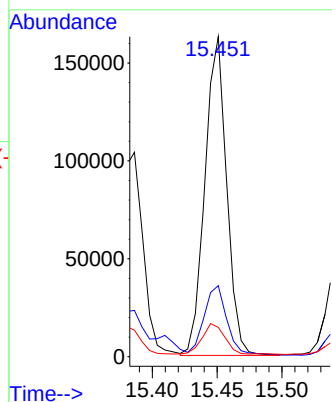
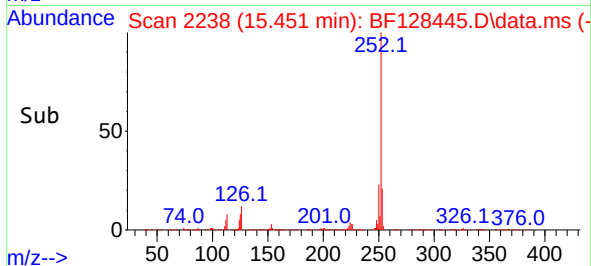


Tgt Ion:252 Resp: 190089
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 9.1 9.2 13.8

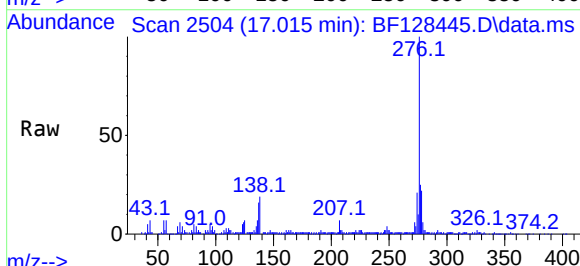
Manual Integrations

APPROVED

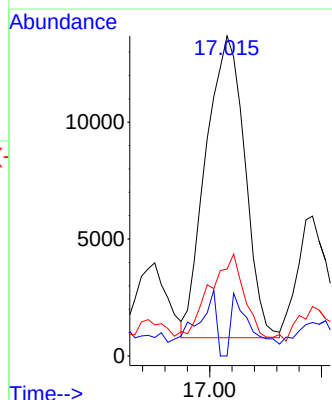
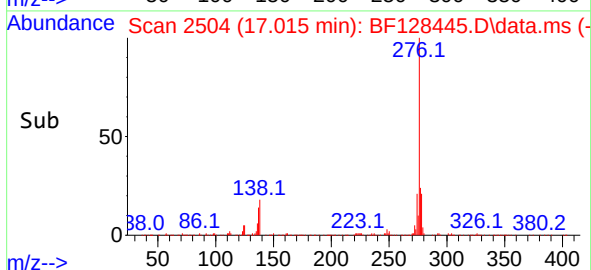
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

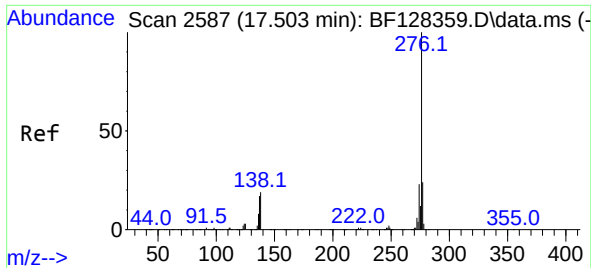


#91
Dibenzo(a,h)anthracene
Concen: 5.538 ng m
RT: 17.015 min Scan# 2504
Delta R.T. -0.012 min
Lab File: BF128445.D
Acq: 24 May 2022 20:11



Tgt Ion:278 Resp: 31211
Ion Ratio Lower Upper
278 100
139 0.0 12.6 19.0#
279 27.2 18.9 28.3





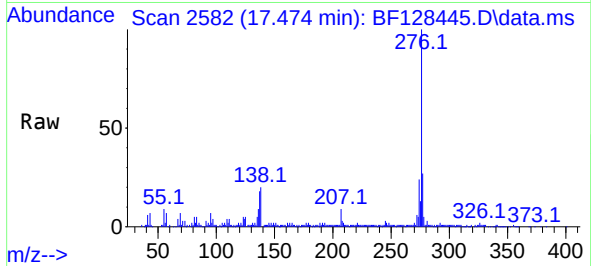
#92
 Benzo(g,h,i)perylene
 Concen: 18.203 ng
 RT: 17.474 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF128445.D
 Acq: 24 May 2022 20:11

Instrument :

BNA_F

ClientSampleId :

SB-15(4.5-5)



Tgt Ion:276 Resp: 107019
 Ion Ratio Lower Upper
 276 100
 277 26.9 18.8 28.2
 138 20.2 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

