

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062422\
 Data File : BF128986.D
 Acq On : 24 Jun 2022 13:34
 Operator : CG\JU
 Sample : N3462-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6-0-2-20220622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/27/2022
 Supervised By : Jagrut Upadhyay 06/27/2022

Quant Time: Jun 25 06:13:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

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

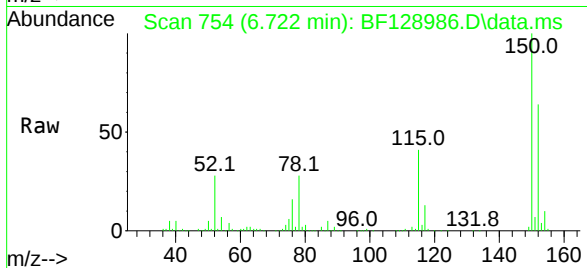
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	123783	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	475932	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	278844	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	473210	20.000	ng	0.00
76) Chrysene-d12	13.898	240	253005	20.000	ng	# 0.00
86) Perylene-d12	15.339	264	257659	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	145549	18.729	ng	0.00
7) Phenol-d6	6.381	99	214678	22.631	ng	0.00
23) Nitrobenzene-d5	7.286	82	147452	14.425	ng	-0.02
42) 2,4,6-Tribromophenol	10.551	330	46865	14.224	ng	-0.01
45) 2-Fluorobiphenyl	9.080	172	293578	14.748	ng	-0.01
79) Terphenyl-d14	12.833	244	270588	18.584	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.763	163	51417	2.694	ng	# 1
71) Phenanthrene	11.274	178	314888	13.267	ng	97
72) Anthracene	11.321	178	78549	3.344	ng	99
73) Carbazole	11.486	167	49553	2.271	ng	99
75) Fluoranthene	12.463	202	622770	25.101	ng	98
78) Pyrene	12.692	202	530792	28.198	ng	99
81) Benzo(a)anthracene	13.886	228	274189	17.386	ng	99
83) Chrysene	13.921	228	195441	12.999	ng	97
87) Indeno(1,2,3-cd)pyrene	16.745	276	129948	8.368	ng	# 91
88) Benzo(b)fluoranthene	14.921	252	324398m	19.703	ng	
89) Benzo(k)fluoranthene	14.951	252	116104m	7.497	ng	
90) Benzo(a)pyrene	15.274	252	221081	17.085	ng	95
91) Dibenzo(a,h)anthracene	16.751	278	38420m	2.983	ng	
92) Benzo(g,h,i)perylene	17.174	276	117925	9.237	ng	95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128986.D
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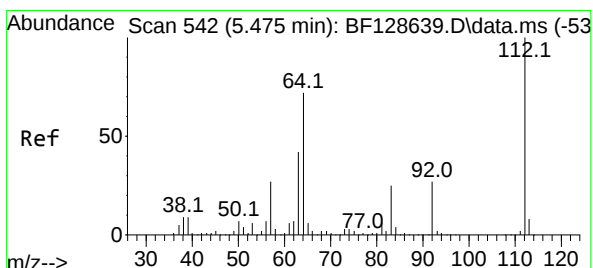
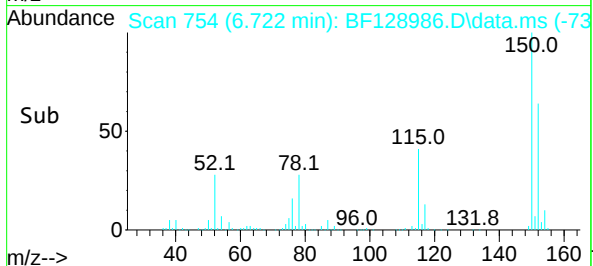
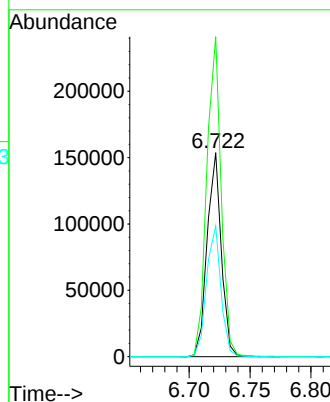
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:152 Resp: 12378
Ion Ratio Lower Upper
152 100
150 156.8 123.7 185.5
115 64.2 49.9 74.9

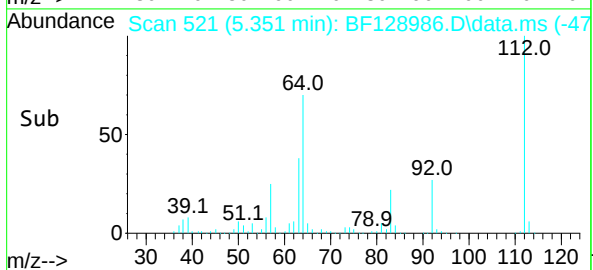
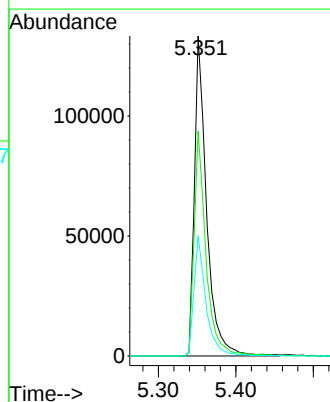
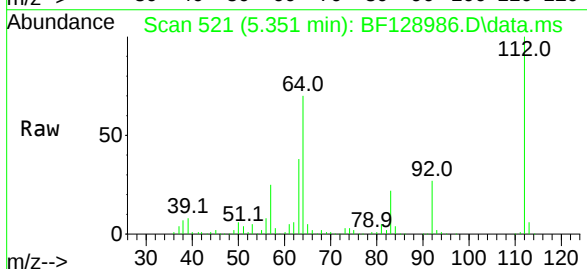
Manual Integrations
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Supervised By :Jagrut Upadhyay 06/27/2022



#5
2-Fluorophenol
Concen: 18.729 ng
RT: 5.351 min Scan# 521
Delta R.T. -0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

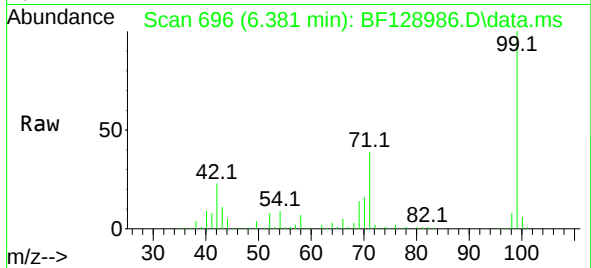
Tgt Ion:112 Resp: 145549
Ion Ratio Lower Upper
112 100
64 70.2 53.3 79.9
63 37.7 28.0 42.0





#7
Phenol-d6
Concen: 22.631 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

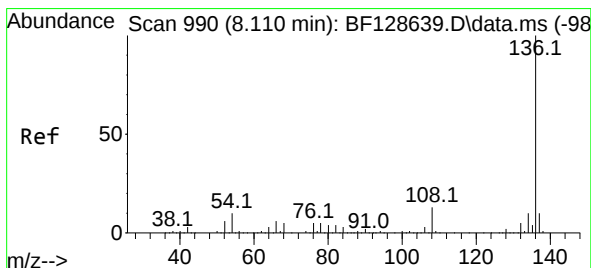
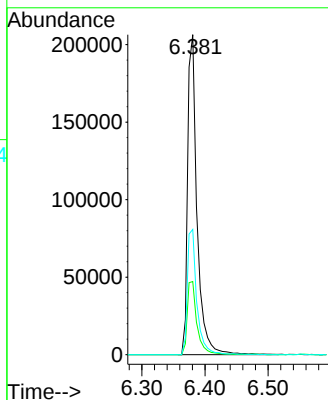
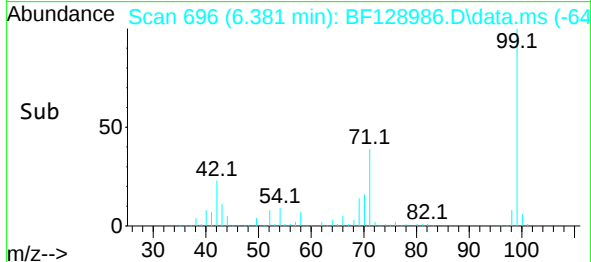
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



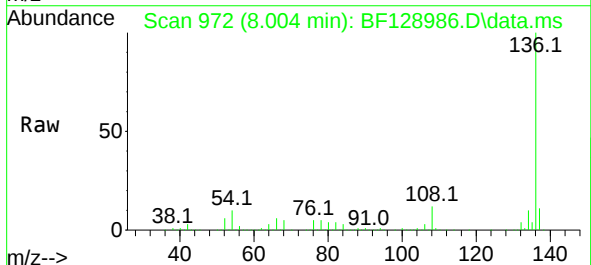
Tgt Ion: 99 Resp: 214678
Ion Ratio Lower Upper
99 100
42 22.8 17.3 25.9
71 39.2 28.9 43.3

Manual Integrations
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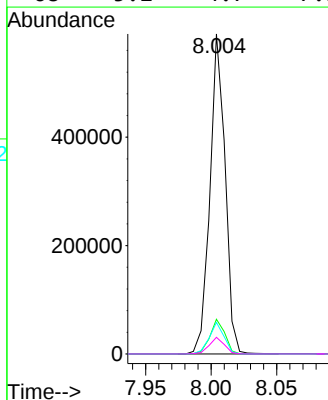
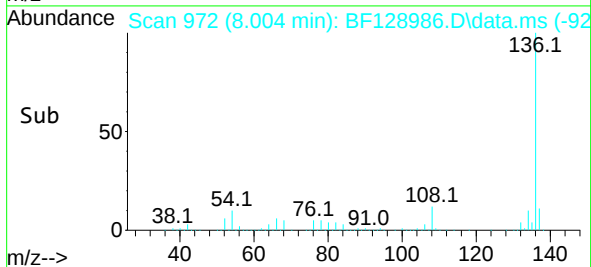
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 972
Delta R.T. -0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34



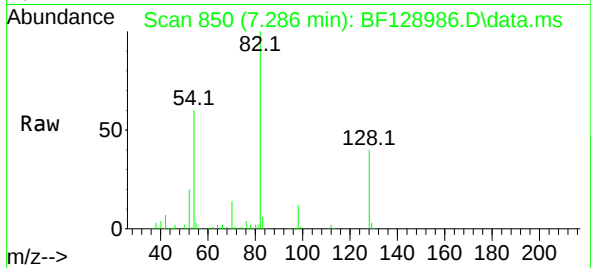
Tgt Ion:136 Resp: 475932
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.9 7.5 11.3
68 5.2 4.7 7.1





#23
Nitrobenzene-d5
Concen: 14.425 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

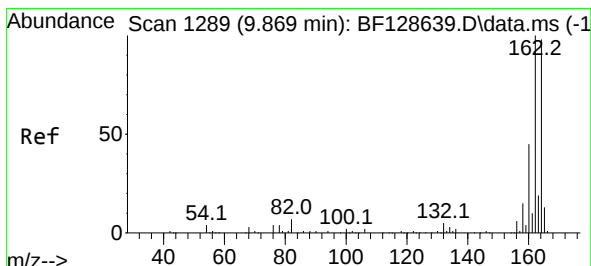
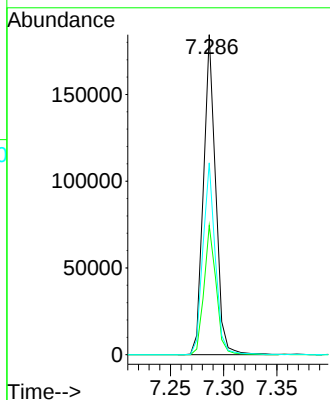
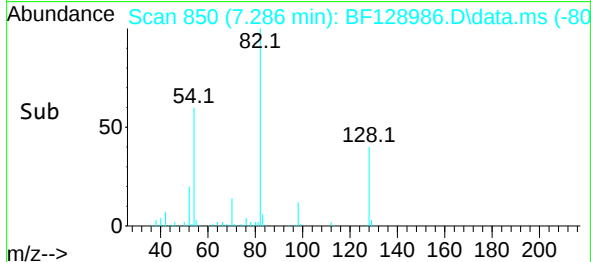
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



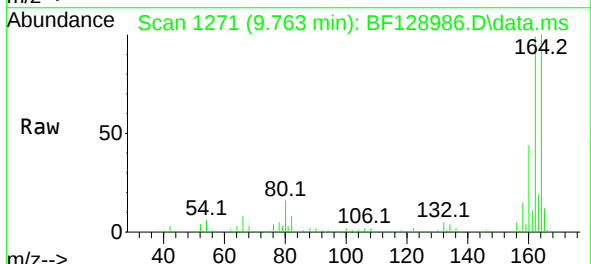
Tgt Ion: 82 Resp: 147452
Ion Ratio Lower Upper
82 100
128 40.4 34.0 51.0
54 59.9 46.9 70.3

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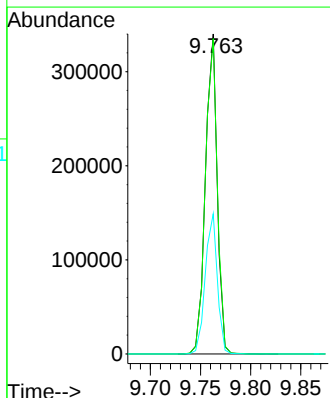
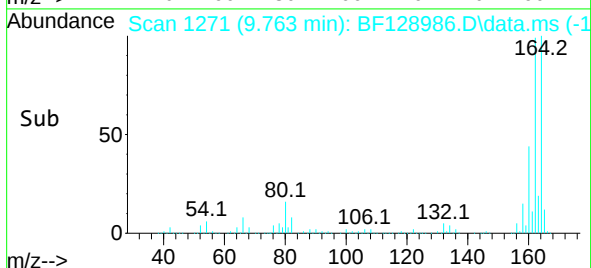
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34



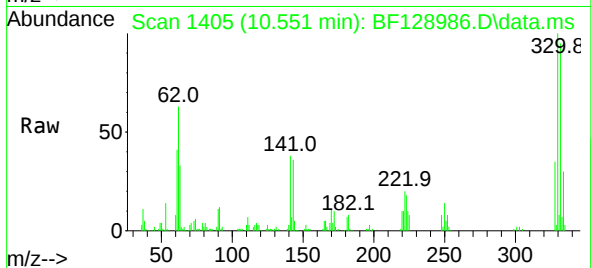
Tgt Ion:164 Resp: 278844
Ion Ratio Lower Upper
164 100
162 98.6 79.5 119.3
160 43.8 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 14.224 ng
RT: 10.551 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

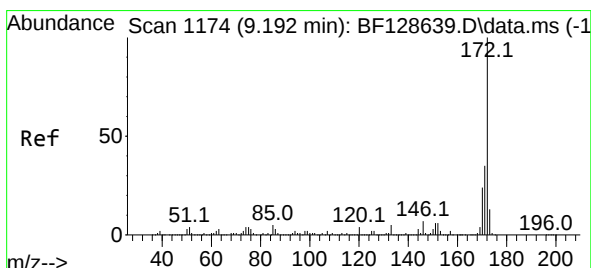
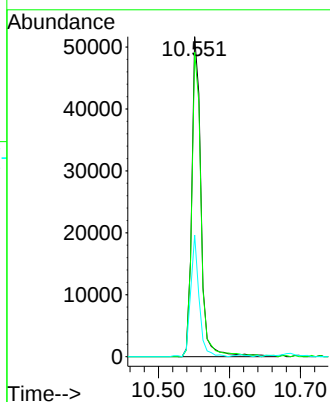
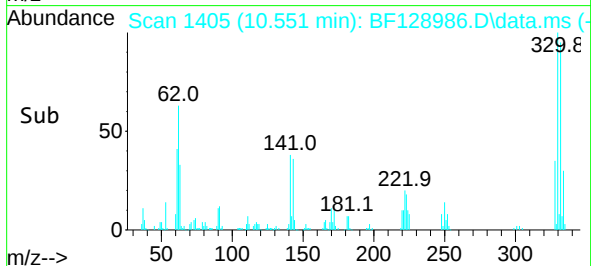
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



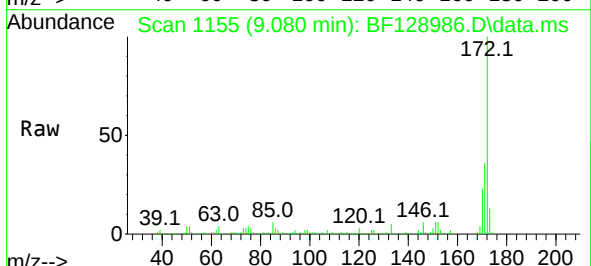
Tgt Ion: 330 Resp: 4686
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 34.8 28.0 42.0

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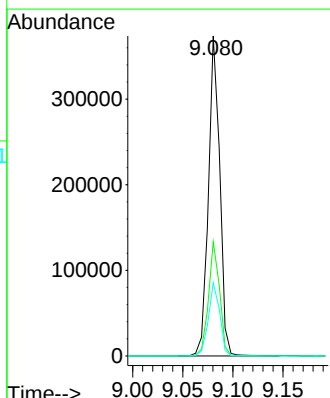
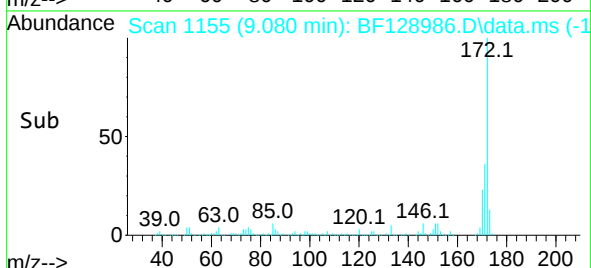
Reviewed By : Christian Giraldo 06/27/2022
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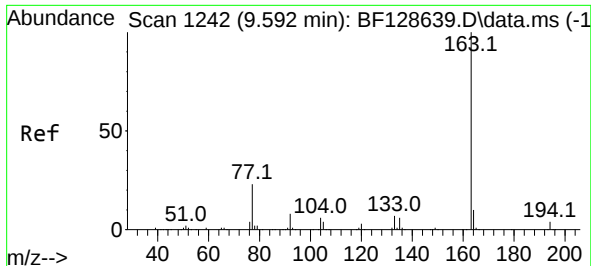


#45
2-Fluorobiphenyl
Concen: 14.748 ng
RT: 9.080 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34



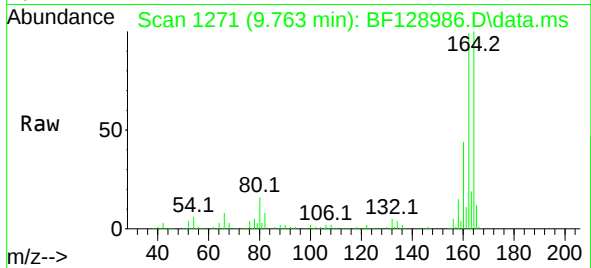
Tgt Ion: 172 Resp: 293578
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 22.9 19.8 29.8





#50
Dimethylphthalate
Concen: 2.694 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

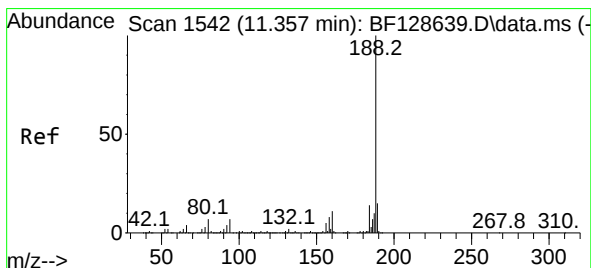
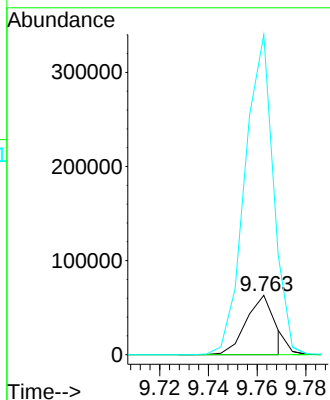
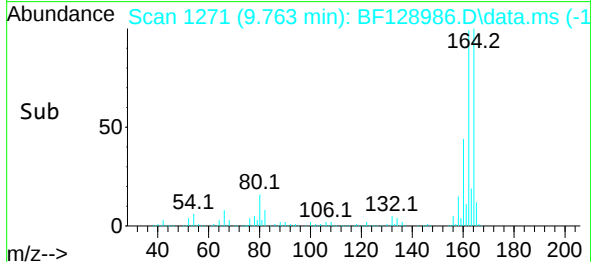
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:163 Resp: 5141
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8
164 539.5 8.2 12.2

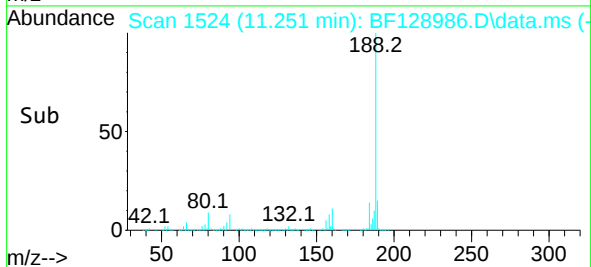
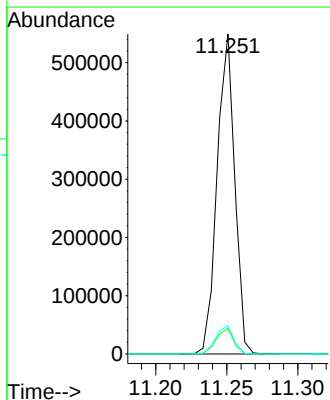
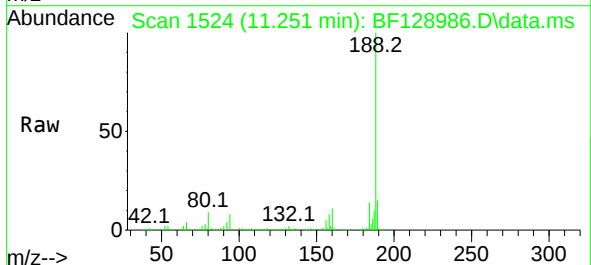
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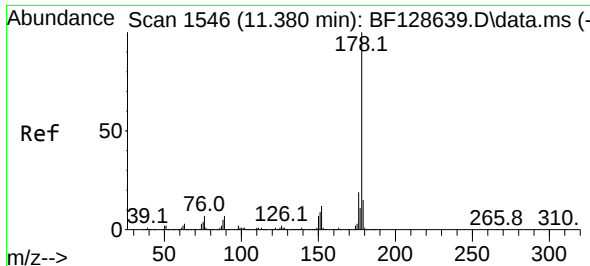
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

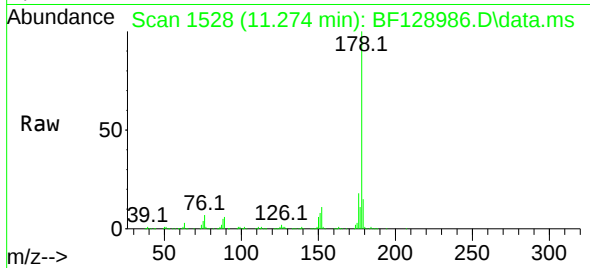
Tgt Ion:188 Resp: 473210
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.6
80 8.8 7.6 11.4





#71
Phenanthrene
Concen: 13.267 ng
RT: 11.274 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

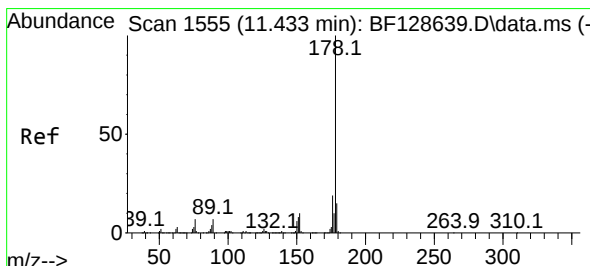
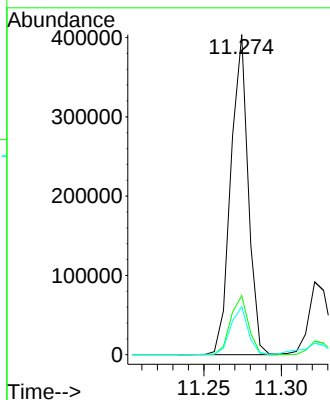
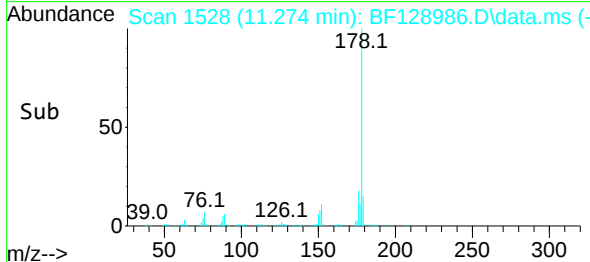
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SB-6-0-2-20220622



Tgt Ion:178 Resp: 31488
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.0 12.6 19.0

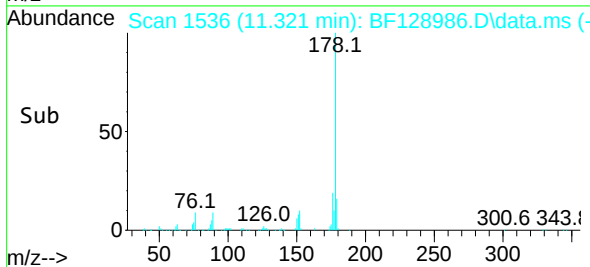
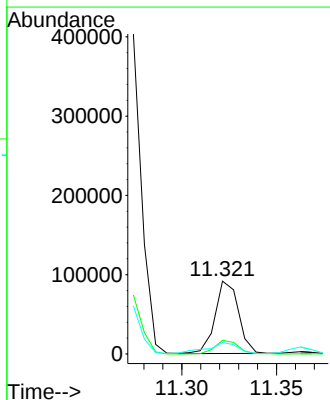
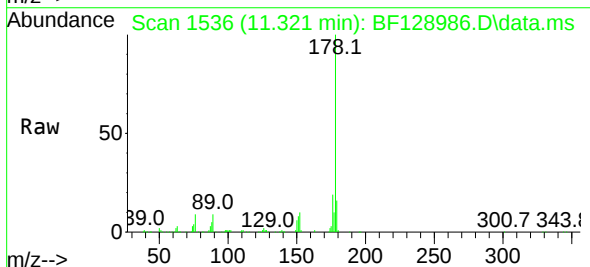
Manual Integrations
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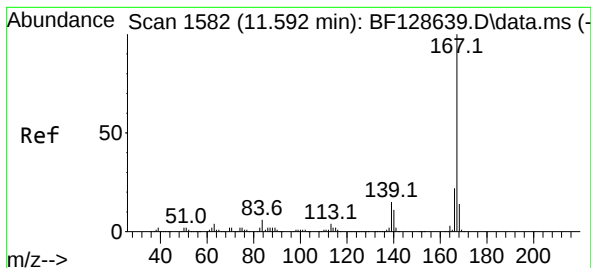
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#72
Anthracene
Concen: 3.344 ng
RT: 11.321 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

Tgt Ion:178 Resp: 78549
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.7 12.6 19.0





#73

Carbazole

Concen: 2.271 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128986.D

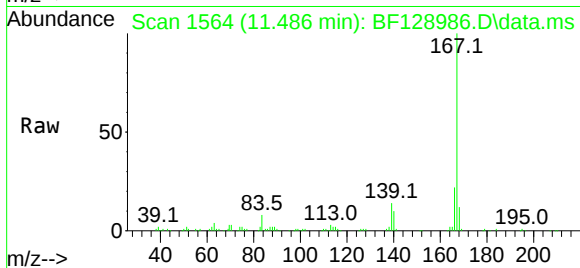
Acq: 24 Jun 2022 13:34

Instrument :

BNA_F

ClientSampleId :

SB-6-0-2-20220622



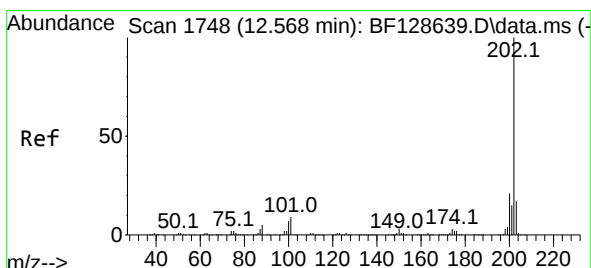
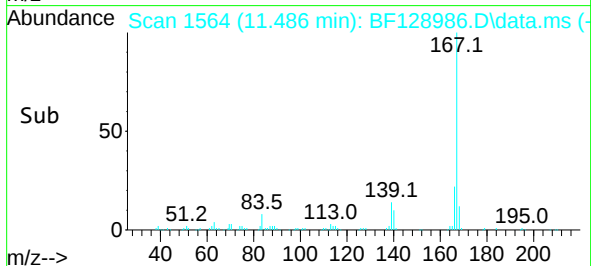
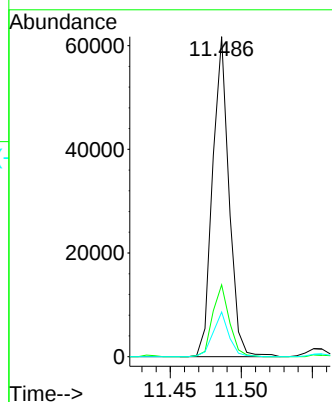
Tgt Ion:167	Resp:	4955
Ion Ratio	Lower	Upper
167	100	
166	22.5	17.7 26.5
139	13.9	11.2 16.8

Manual Integrations

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#75

Fluoranthene

Concen: 25.101 ng

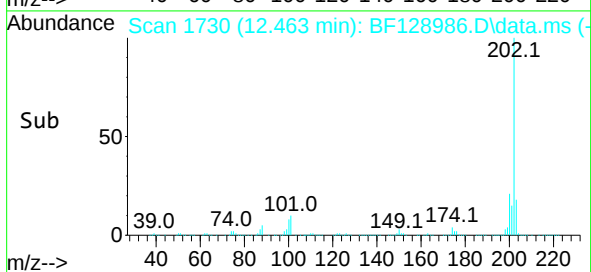
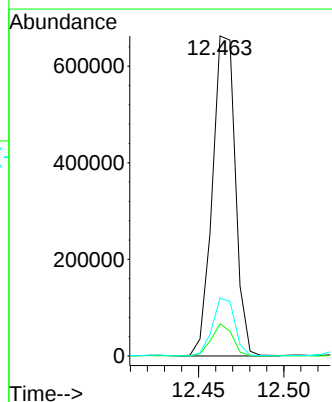
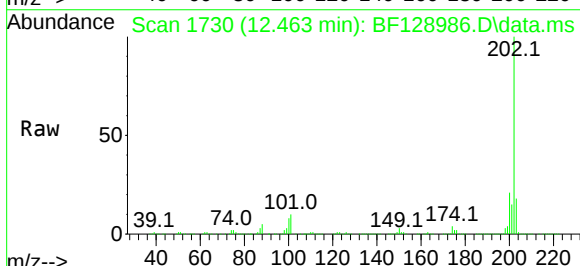
RT: 12.463 min Scan# 1730

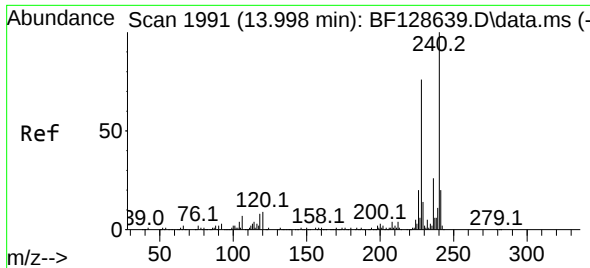
Delta R.T. -0.006 min

Lab File: BF128986.D

Acq: 24 Jun 2022 13:34

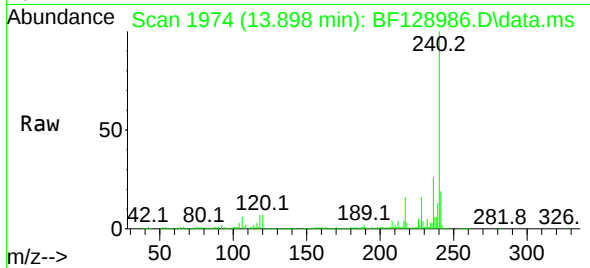
Tgt Ion:202	Resp:	622770
Ion Ratio	Lower	Upper
202	100	
101	10.1	0.0 31.4
203	18.1	0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

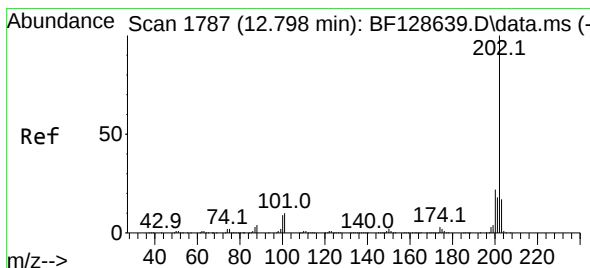
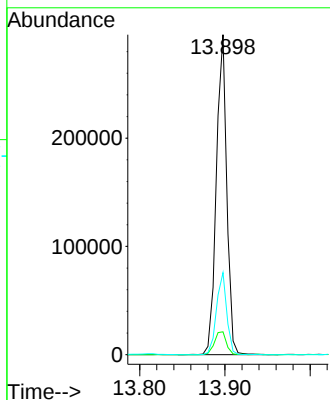
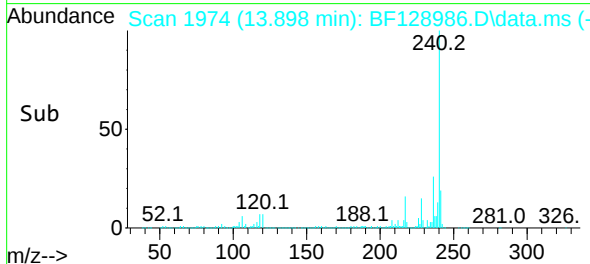
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:240 Resp: 253000
Ion Ratio Lower Upper
240 100
120 7.2 8.9 13.3
236 25.7 20.8 31.2

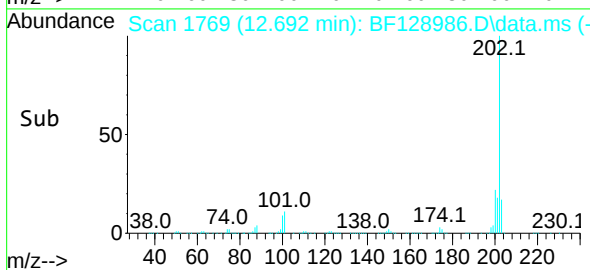
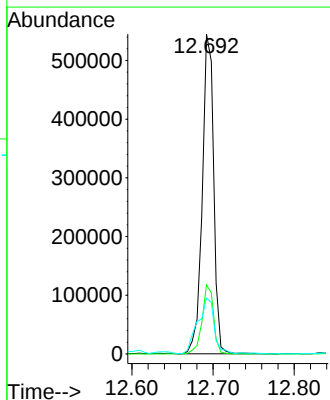
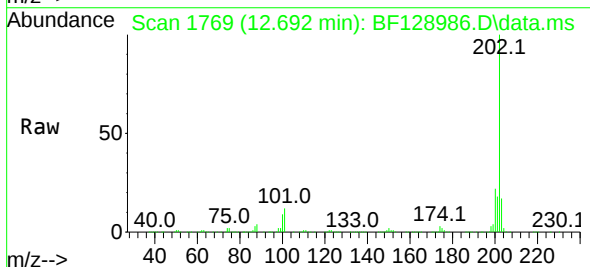
Manual Integrations
APPROVED

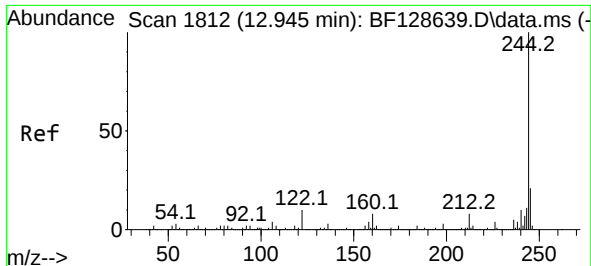
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#78
Pyrene
Concen: 28.198 ng
RT: 12.692 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

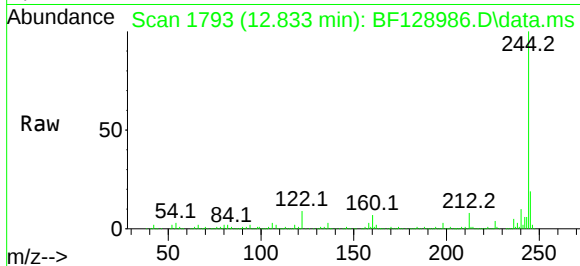
Tgt Ion:202 Resp: 530792
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 17.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 18.584 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128986.D
 Acq: 24 Jun 2022 13:34

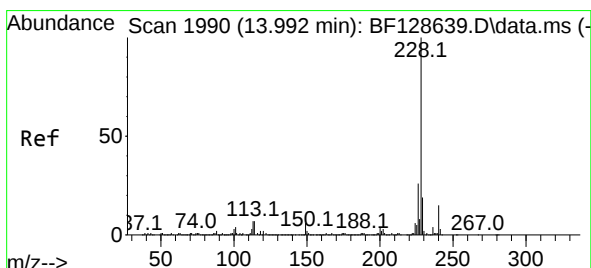
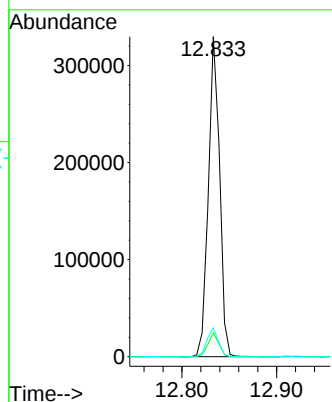
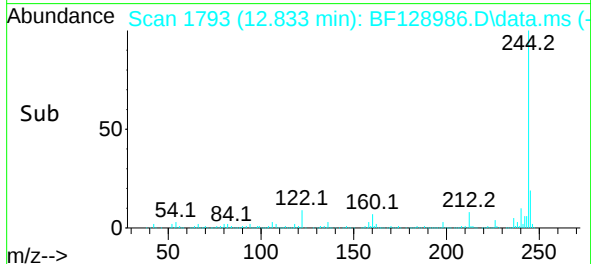
Instrument :
 BNA_F
 ClientSampleId :
 SB-6-0-2-20220622



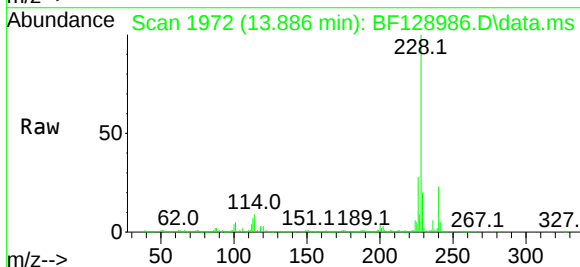
Tgt Ion:244 Resp: 270588
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 9.0 8.8 13.2

Manual Integrations
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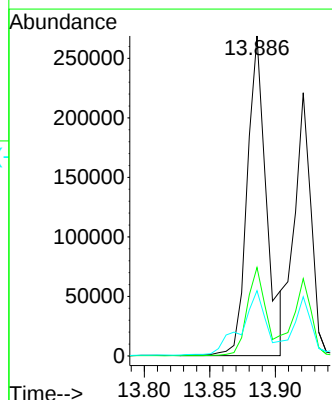
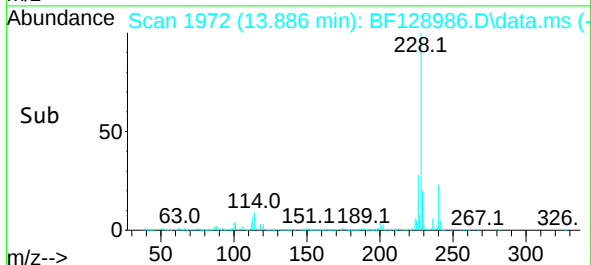
Reviewed By :Christian Giraldo 06/27/2022
 Supervised By :Jagrut Upadhyay 06/27/2022

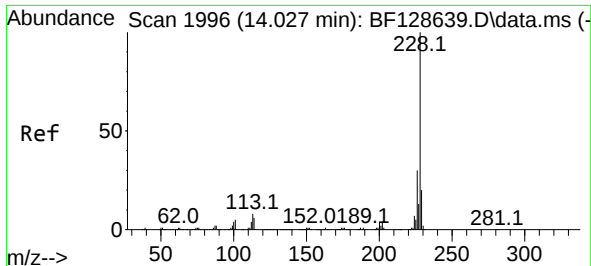


#81
 Benzo(a)anthracene
 Concen: 17.386 ng
 RT: 13.886 min Scan# 1972
 Delta R.T. -0.000 min
 Lab File: BF128986.D
 Acq: 24 Jun 2022 13:34



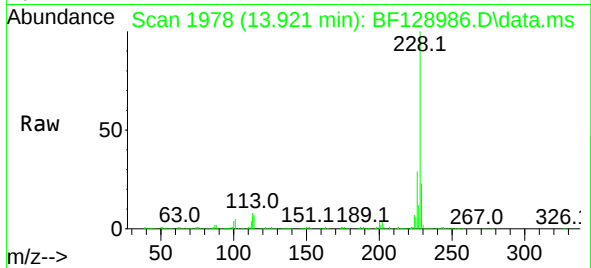
Tgt Ion:228 Resp: 274189
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.1 33.1
 229 20.4 15.8 23.8





#83
Chrysene
Concen: 12.999 ng
RT: 13.921 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

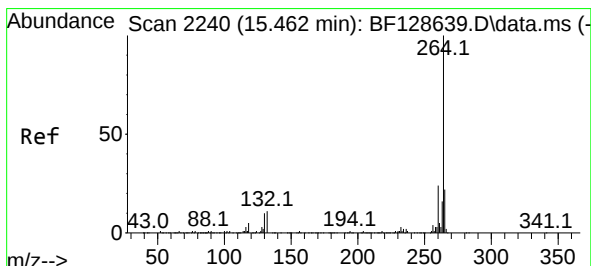
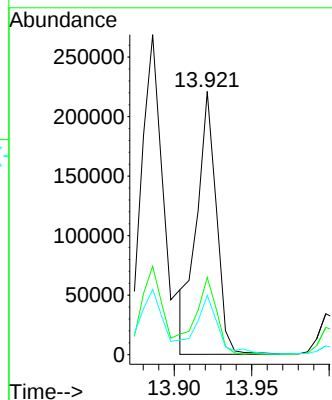
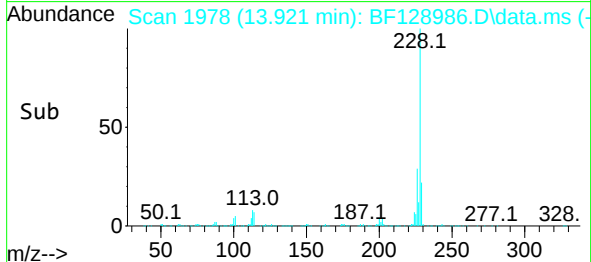
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:228 Resp: 19544
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 22.5 15.9 23.9

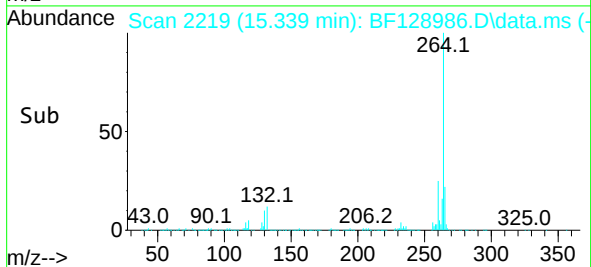
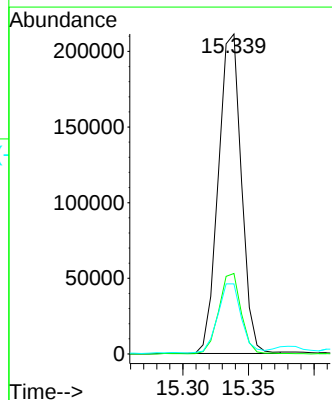
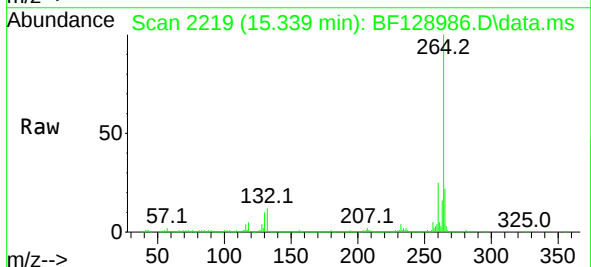
Manual Integrations
APPROVED

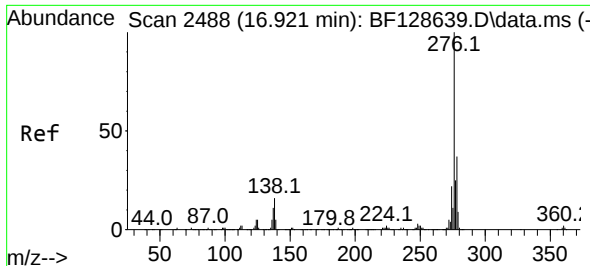
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.339 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

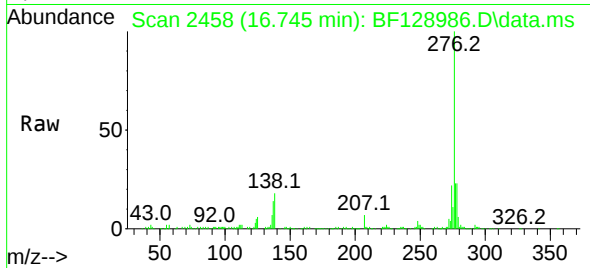
Tgt Ion:264 Resp: 257659
Ion Ratio Lower Upper
264 100
260 25.1 18.4 27.6
265 21.9 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.368 ng
RT: 16.745 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

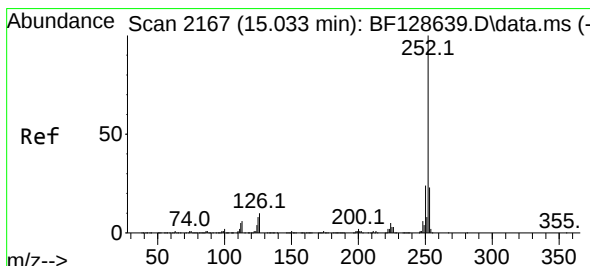
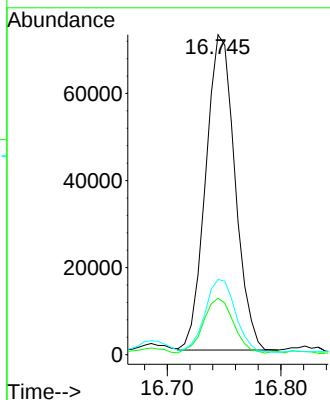
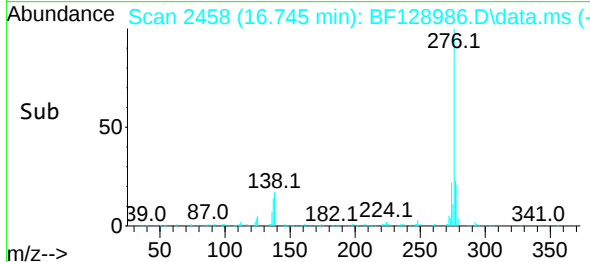
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion:276 Resp: 129948
Ion Ratio Lower Upper
276 100
138 18.0 21.1 31.7
277 24.3 20.3 30.5

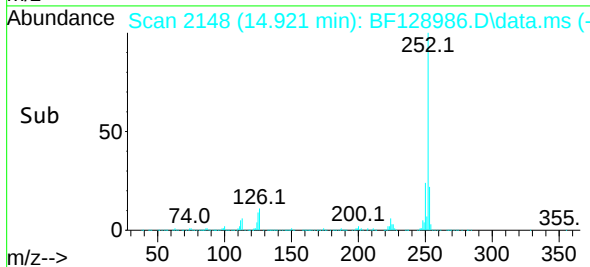
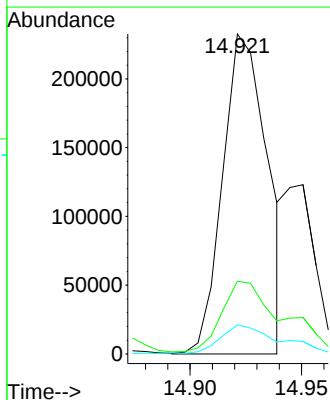
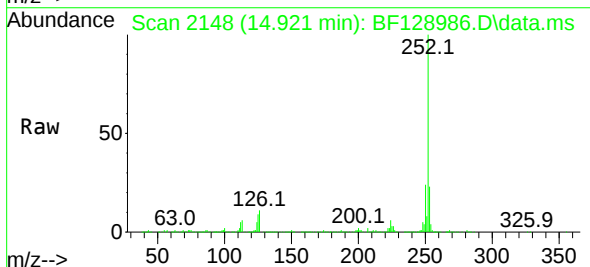
Manual Integrations
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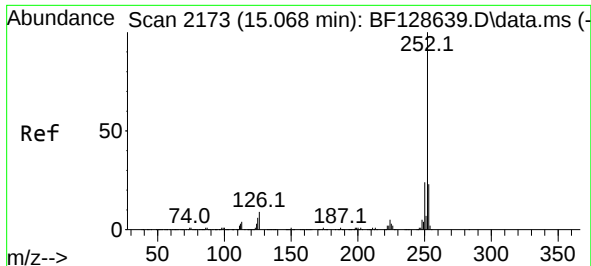
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022



#88
Benzo(b)fluoranthene
Concen: 19.703 ng m
RT: 14.921 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

Tgt Ion:252 Resp: 324398
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 9.1 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 7.497 ng m

RT: 14.951 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128986.D

Acq: 24 Jun 2022 13:34

Instrument :

BNA_F

ClientSampleId :

SB-6-0-2-20220622

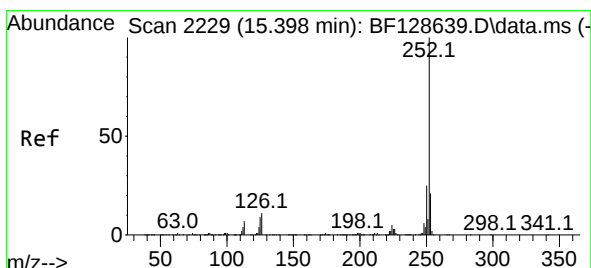
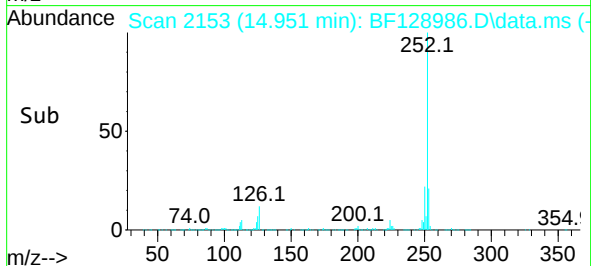
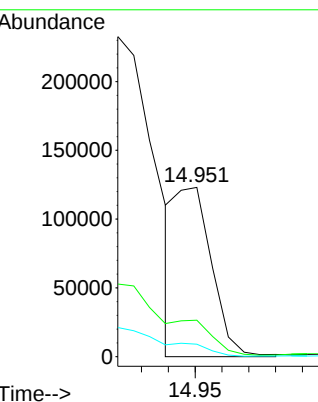
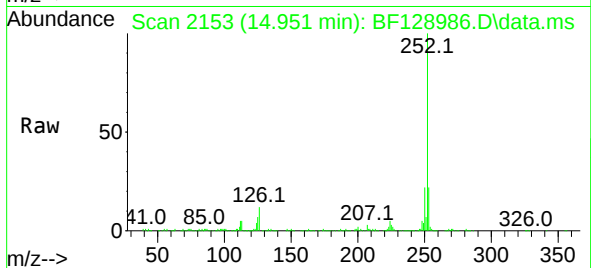
Tgt Ion:252 Resp: 116104
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.6
 125 7.4 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/27/2022

Supervised By :Jagrut Upadhyay 06/27/2022



#90

Benzo(a)pyrene

Concen: 17.085 ng

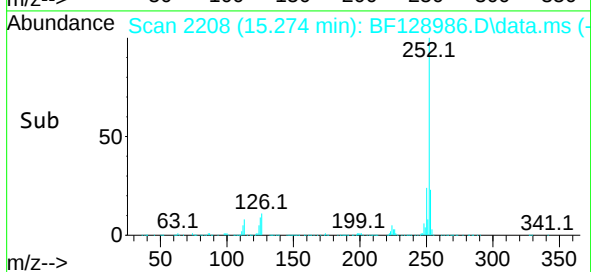
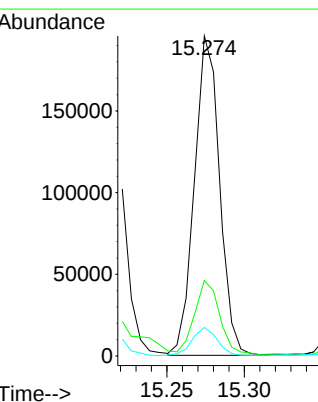
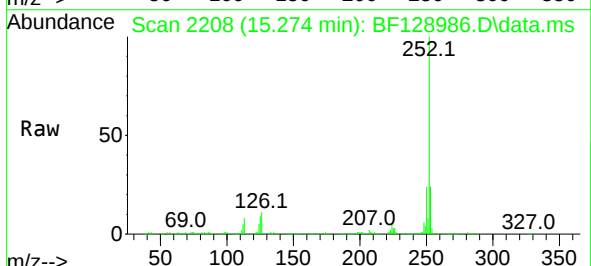
RT: 15.274 min Scan# 2208

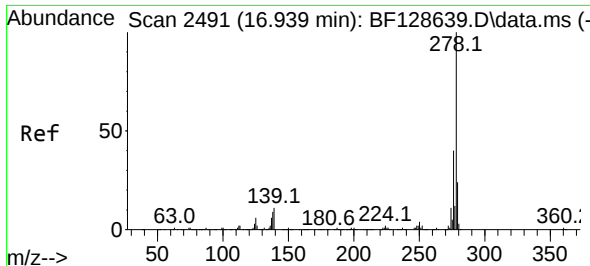
Delta R.T. -0.000 min

Lab File: BF128986.D

Acq: 24 Jun 2022 13:34

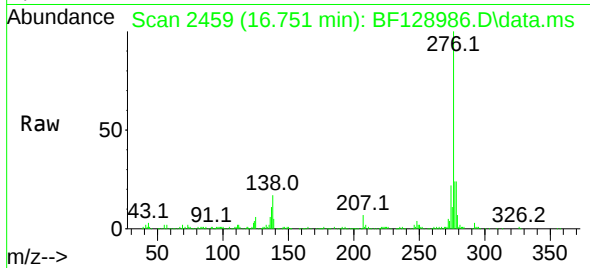
Tgt Ion:252 Resp: 221081
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.0 25.6
 125 8.9 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.983 ng m
RT: 16.751 min Scan# 2491
Delta R.T. -0.000 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

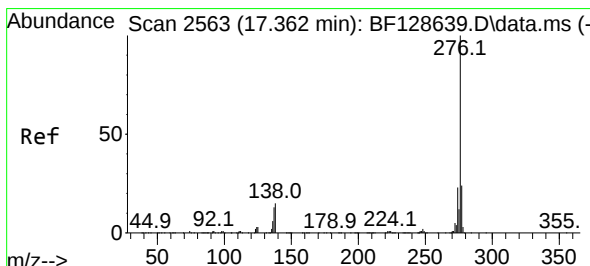
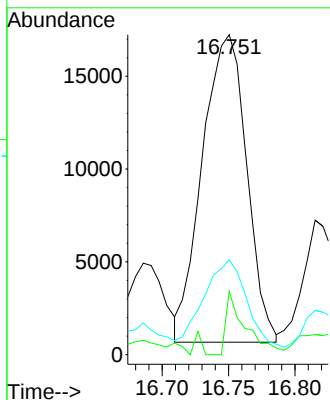
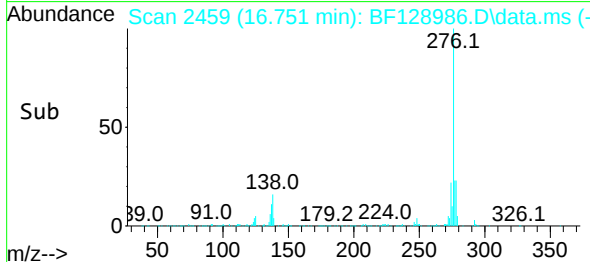
Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622



Tgt Ion: 278 Resp: 38420
Ion Ratio Lower Upper
278 100
139 19.8 12.8 19.2
279 29.6 18.6 28.0

Manual Integrations
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Reviewed By : Christian Giraldo 06/27/2022
Supervised By : Jagrut Upadhyay 06/27/2022



#92
Benzo(g,h,i)perylene
Concen: 9.237 ng
RT: 17.174 min Scan# 2531
Delta R.T. 0.006 min
Lab File: BF128986.D
Acq: 24 Jun 2022 13:34

Tgt Ion: 276 Resp: 117925
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 18.5 18.0 27.0

