

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128975.D
 Acq On : 24 Jun 2022 02:24
 Operator : CG\JU
 Sample : N3465-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-E1(0-4)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/24/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 24 04:40:48 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	6.728	152	72835	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	262958	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	127785	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	208918	20.000	ng	# 0.00
76) Chrysene-d12	13.904	240	176360	20.000	ng	0.00
86) Perylene-d12	15.339	264	131980	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	77368	16.920	ng	0.00
7) Phenol-d6	6.387	99	97996	17.557	ng	0.00
23) Nitrobenzene-d5	7.293	82	66913	11.847	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	20601	13.644	ng	0.00
45) 2-Fluorobiphenyl	9.087	172	113585	12.451	ng	0.00
79) Terphenyl-d14	12.839	244	106789	10.522	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.034	128	79925	5.922	ng	99
37) 2-Methylnaphthalene	8.722	142	44061	5.133	ng	98
38) 1-Methylnaphthalene	8.822	142	46454	5.601	ng	99
49) Acenaphthylene	9.628	152	32393	2.892	ng	96
52) Acenaphthene	9.798	154	103153	14.142	ng	98
55) Dibenzofuran	9.969	168	69455	6.626	ng	# 93
58) Fluorene	10.310	166	140651	17.302	ng	98
71) Phenanthrene	11.286	178	1893755	180.721	ng	100
72) Anthracene	11.334	178	383933	37.017	ng	100
73) Carbazole	11.486	167	91631	9.512	ng	98
75) Fluoranthene	12.480	202	1814435	165.648	ng	99
78) Pyrene	12.716	202	2023167	154.192	ng	99
81) Benzo(a)anthracene	13.898	228	1021470	92.919	ng	98
83) Chrysene	13.933	228	827732	78.978	ng	99
87) Indeno(1,2,3-cd)pyrene	16.757	276	250732	31.520	ng	# 87
88) Benzo(b)fluoranthene	14.933	252	768088m	91.077	ng	
89) Benzo(k)fluoranthene	14.957	252	194028m	24.458	ng	
90) Benzo(a)pyrene	15.286	252	538743	81.279	ng	96
91) Dibenzo(a,h)anthracene	16.757	278	74040	11.221	ng	# 92
92) Benzo(g,h,i)perylene	17.180	276	244885	37.447	ng	# 92

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

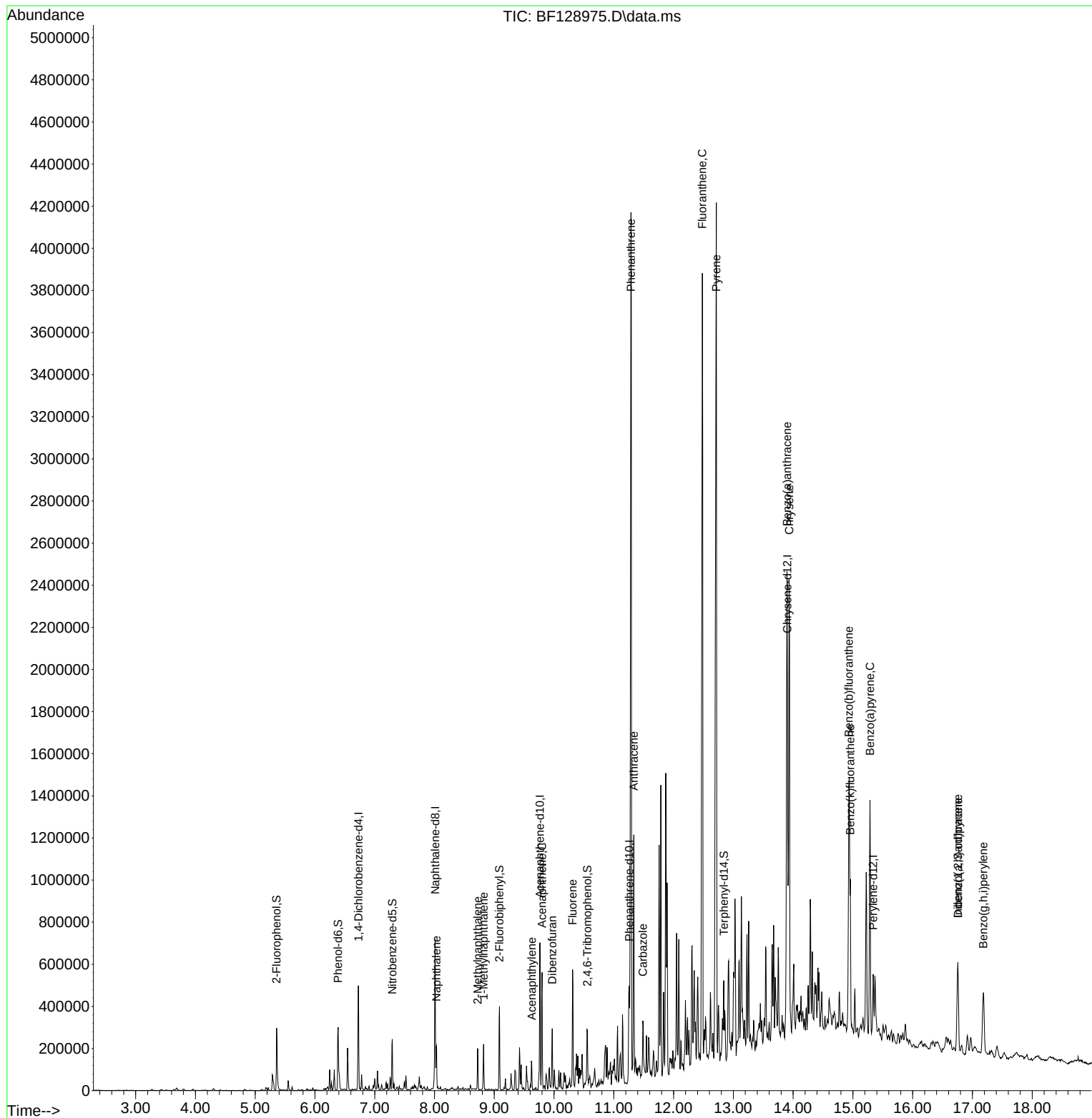
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128975.D
Acq On : 24 Jun 2022 02:24
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Sample : N3465-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

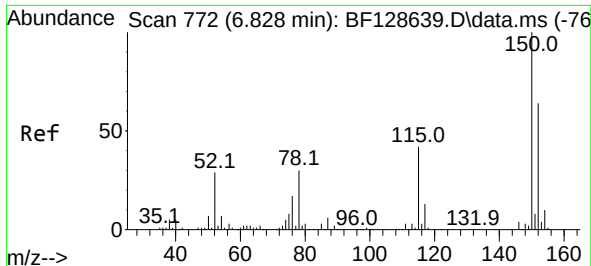
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

Quant Time: Jun 24 04:40:48 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

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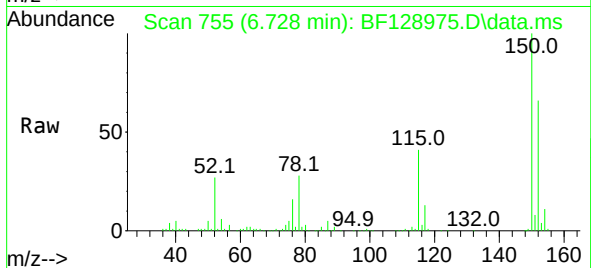
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

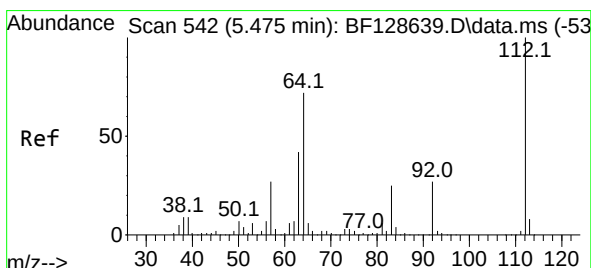
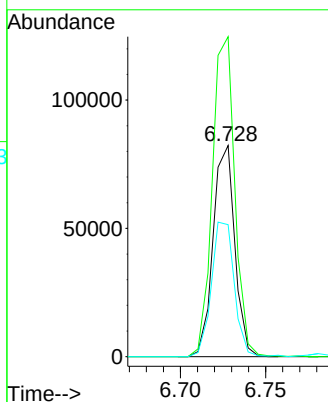
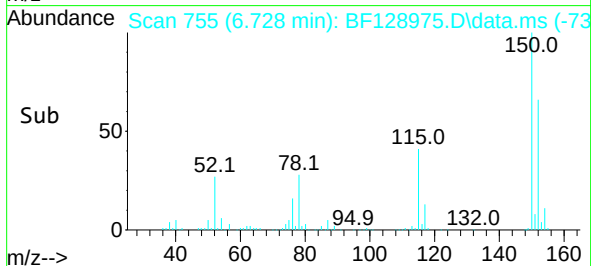
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



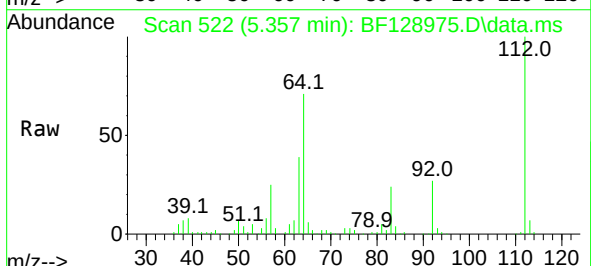
Tgt Ion:152 Resp: 72835
Ion Ratio Lower Upper
152 100
150 151.5 123.7 185.5
115 62.5 49.9 74.9

Manual Integrations
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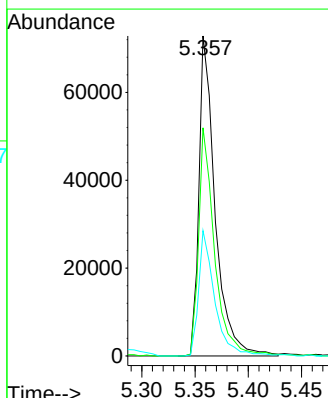
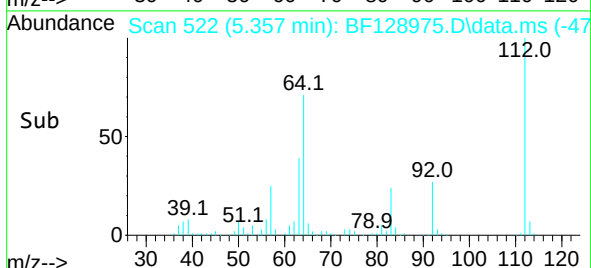
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

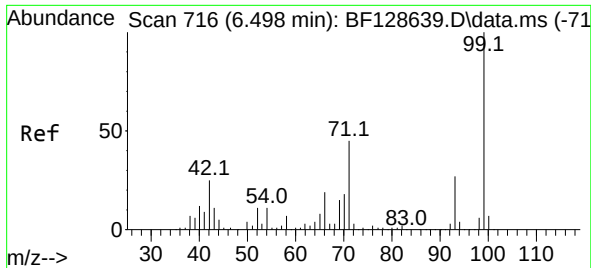


#5
2-Fluorophenol
Concen: 16.920 ng
RT: 5.357 min Scan# 522
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24



Tgt Ion:112 Resp: 77368
Ion Ratio Lower Upper
112 100
64 71.3 53.3 79.9
63 39.1 28.0 42.0





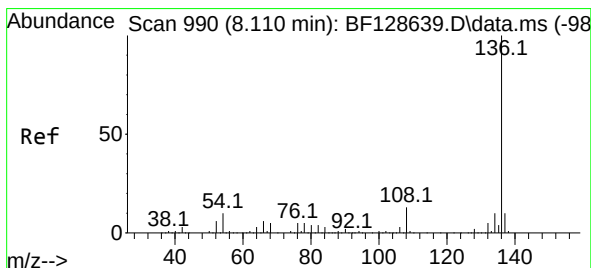
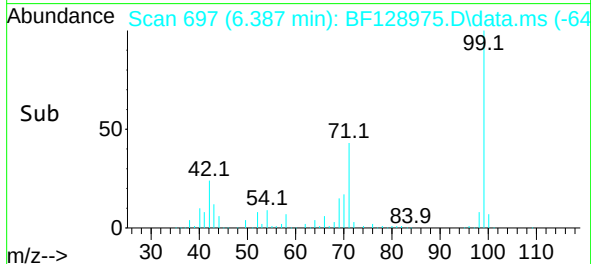
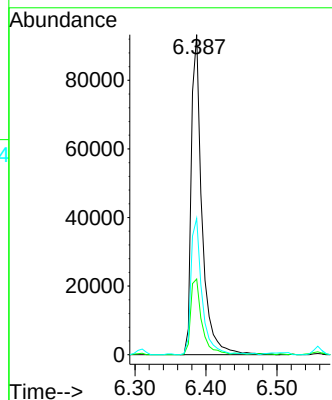
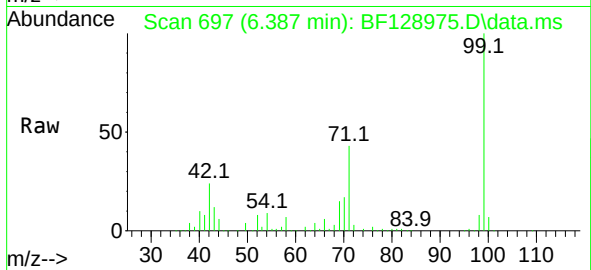
#7
Phenol-d6
Concen: 17.557 ng
RT: 6.387 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

Tgt Ion: 99 Resp: 97990
Ion Ratio Lower Upper
99 100
42 23.6 17.3 25.9
71 42.6 28.9 43.3

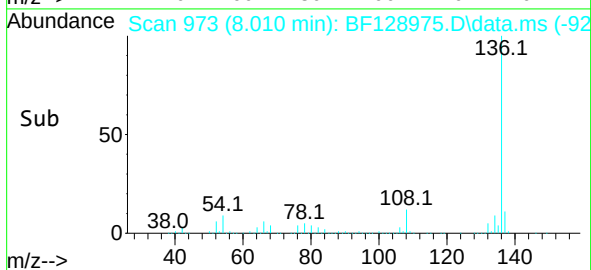
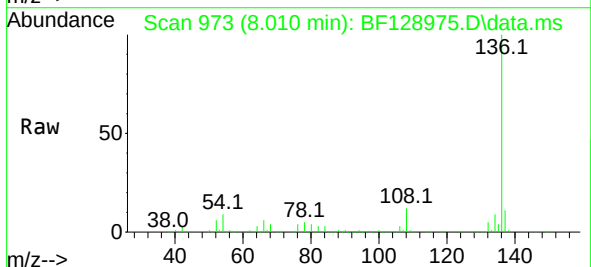
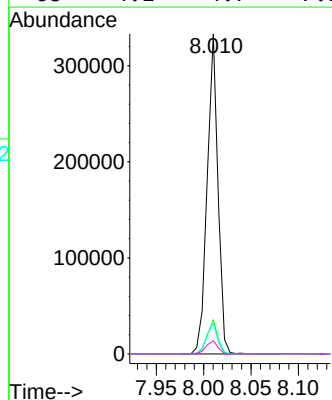
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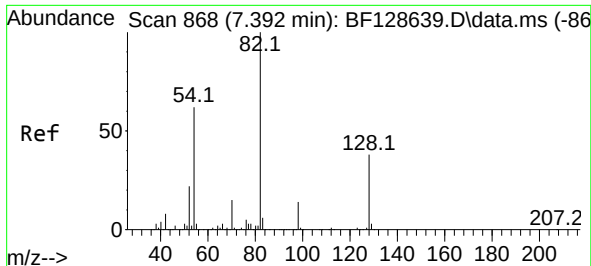
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

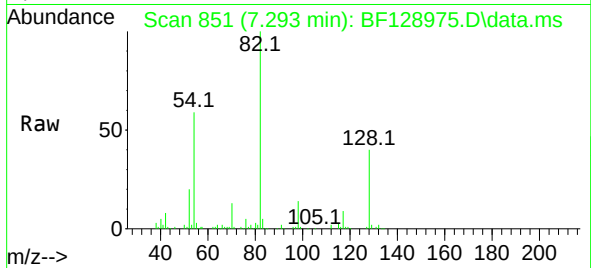
Tgt Ion:136 Resp: 262958
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.4 7.5 11.3
68 4.1 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 11.847 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

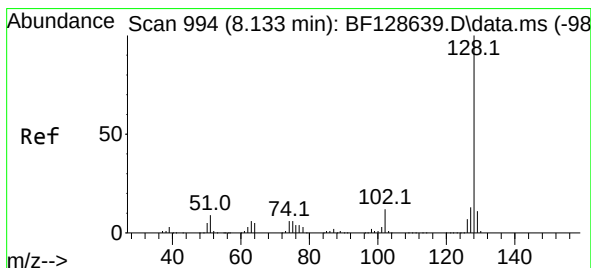
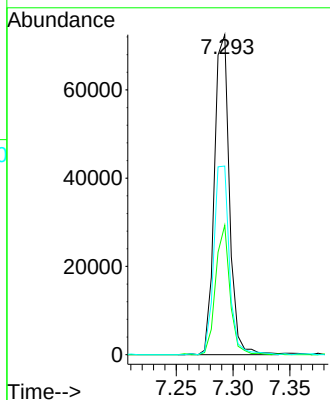
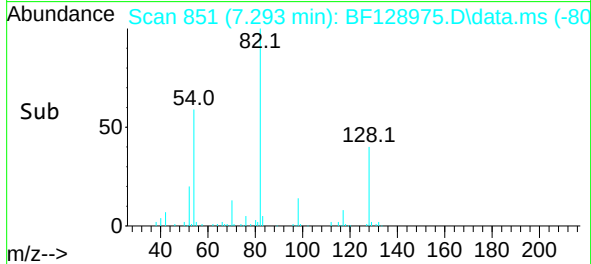
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



Tgt Ion: 82 Resp: 6691
Ion Ratio Lower Upper
82 100
128 40.5 34.0 51.0
54 58.9 46.9 70.3

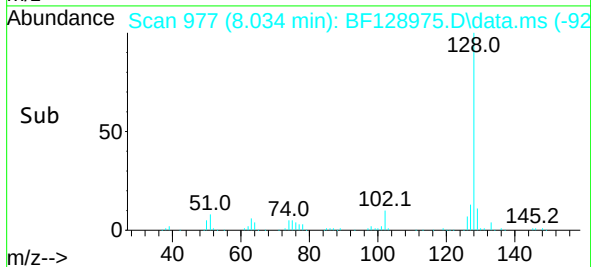
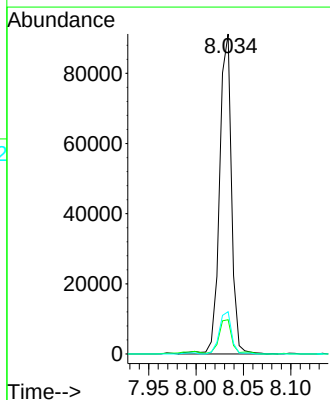
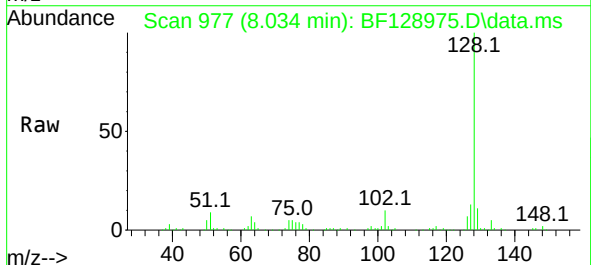
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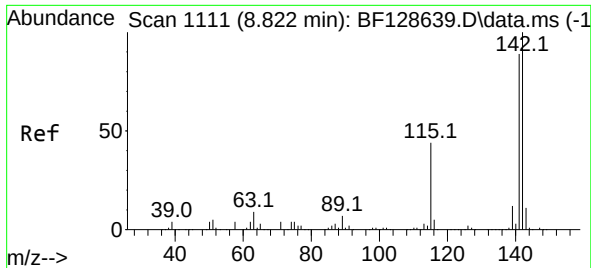
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#31
Naphthalene
Concen: 5.922 ng
RT: 8.034 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:128 Resp: 79925
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 13.2 10.5 15.7





#37

2-Methylnaphthalene

Concen: 5.133 ng

RT: 8.722 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

Tgt Ion:142 Resp: 4406

Ion Ratio Lower Upper

142 100

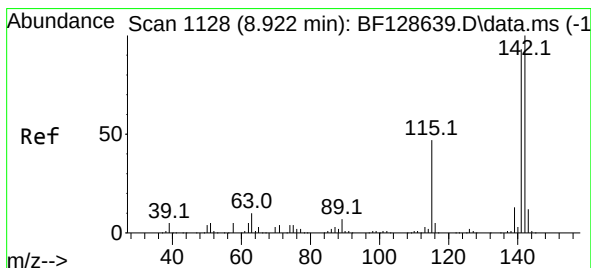
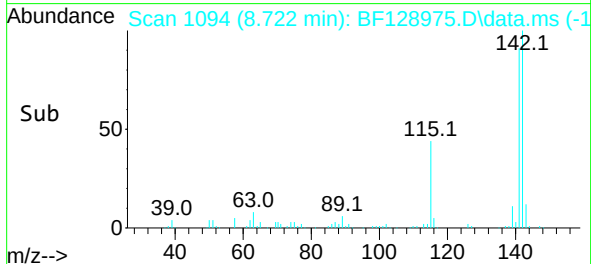
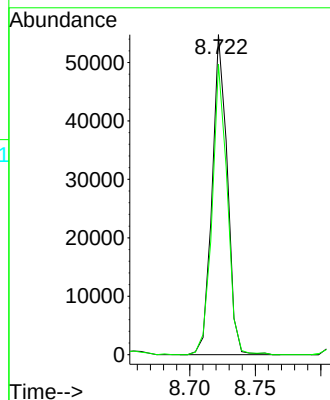
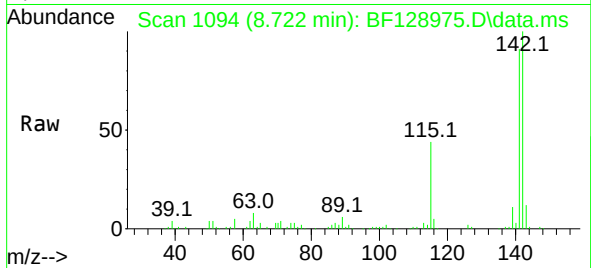
141 90.8 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#38

1-Methylnaphthalene

Concen: 5.601 ng

RT: 8.822 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BF128975.D

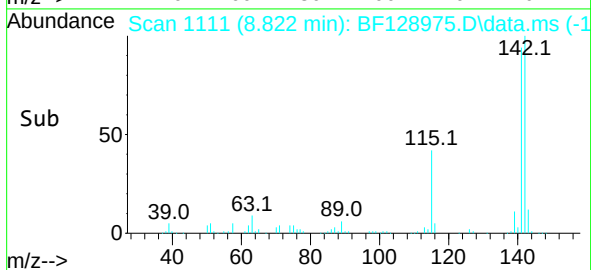
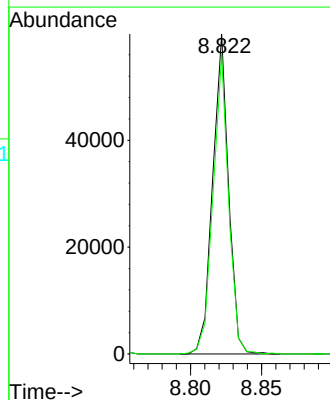
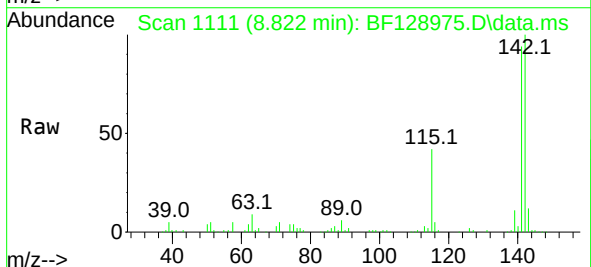
Acq: 24 Jun 2022 02:24

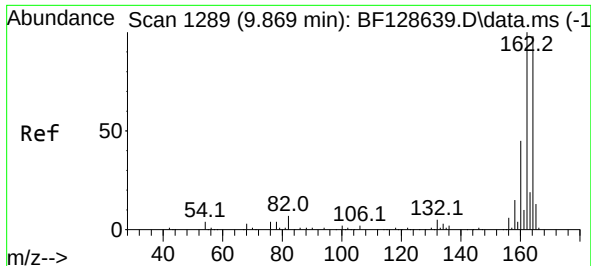
Tgt Ion:142 Resp: 46454

Ion Ratio Lower Upper

142 100

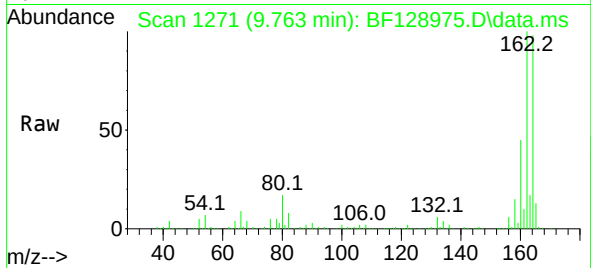
141 93.6 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

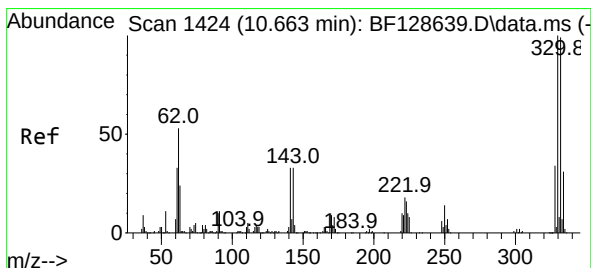
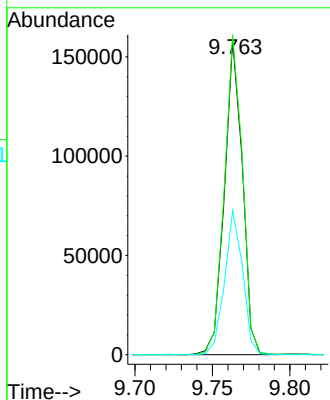
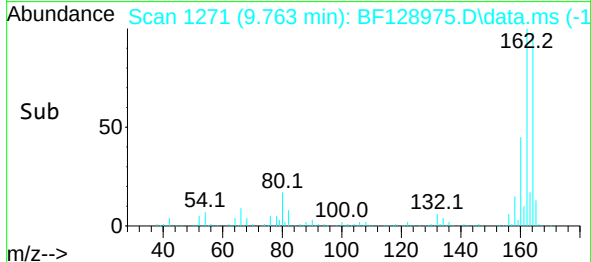
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



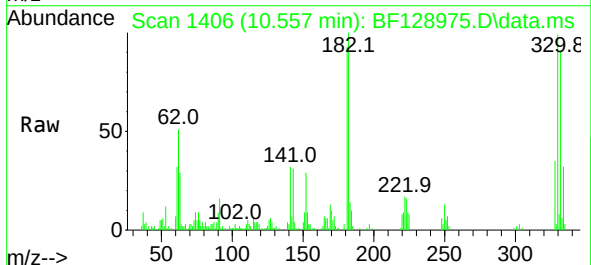
Tgt Ion:164 Resp: 12778
Ion Ratio Lower Upper
164 100
162 101.7 79.5 119.3
160 45.8 34.2 51.4

Manual Integrations
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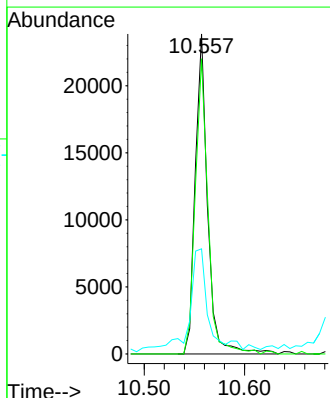
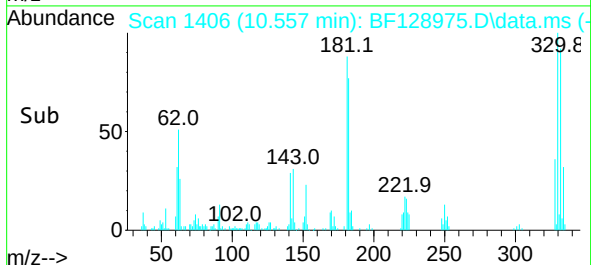
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

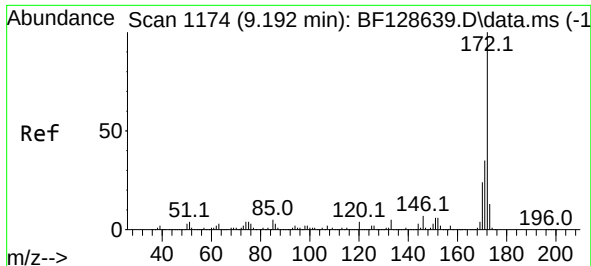


#42
2,4,6-Tribromophenol
Concen: 13.644 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24



Tgt Ion:330 Resp: 20601
Ion Ratio Lower Upper
330 100
332 94.6 76.8 115.2
141 51.2 28.0 42.0#





#45

2-Fluorobiphenyl

Concen: 12.451 ng

RT: 9.087 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Instrument :

BNA_F

ClientSampleId :

WC-E1(0-4)

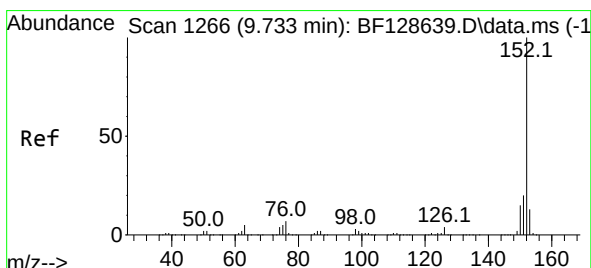
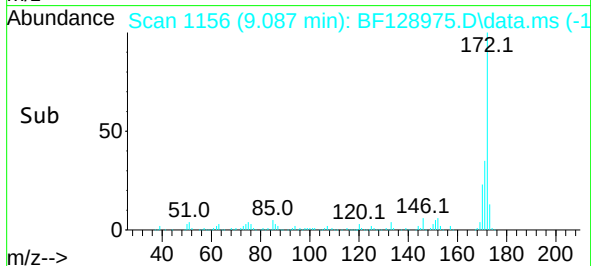
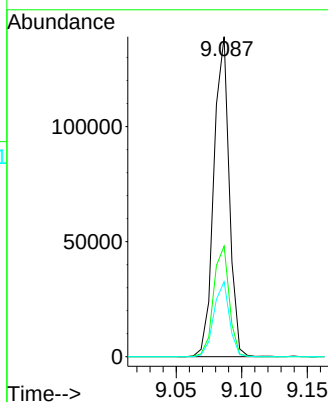
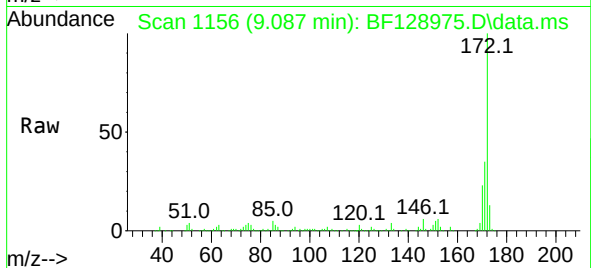
Tgt Ion:172 Resp: 11358

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.8	43.2
170	23.4	19.8	29.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/28/2022



#49

Acenaphthylene

Concen: 2.892 ng

RT: 9.628 min Scan# 1248

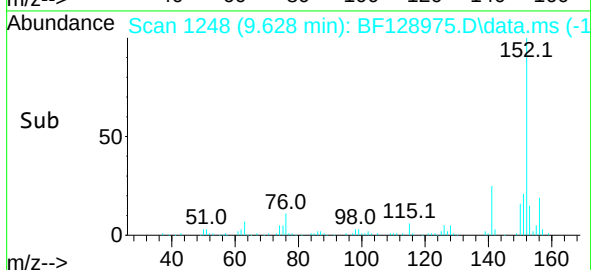
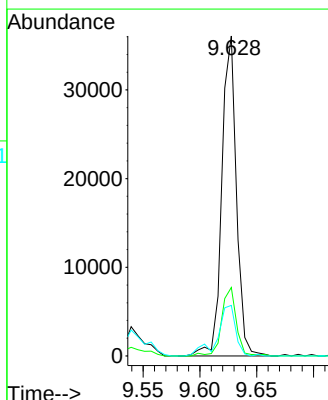
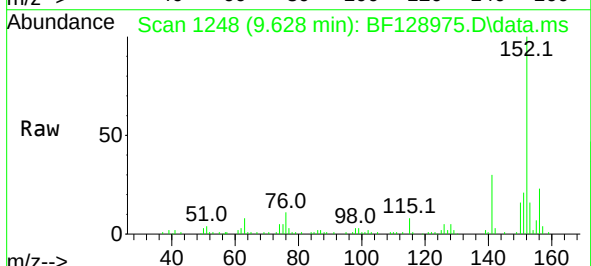
Delta R.T. -0.006 min

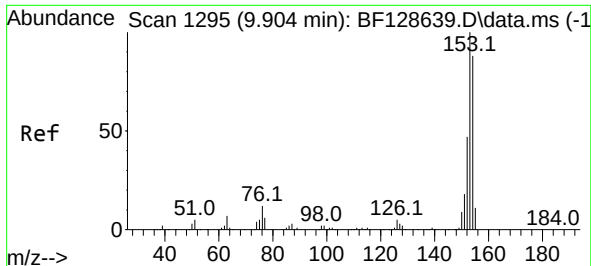
Lab File: BF128975.D

Acq: 24 Jun 2022 02:24

Tgt Ion:152 Resp: 32393

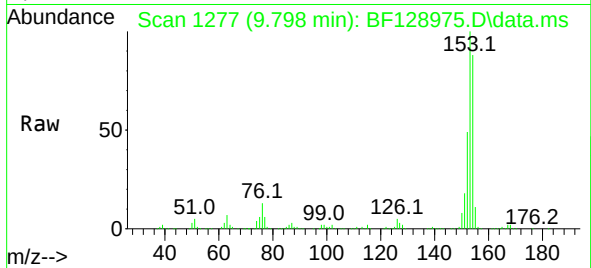
Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.2	24.4
153	15.8	10.7	16.1





#52
Acenaphthene
Concen: 14.142 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

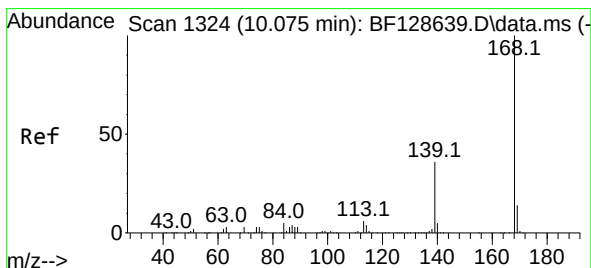
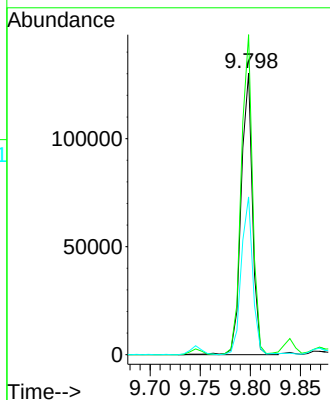
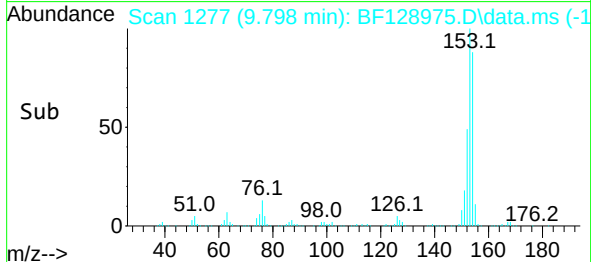
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



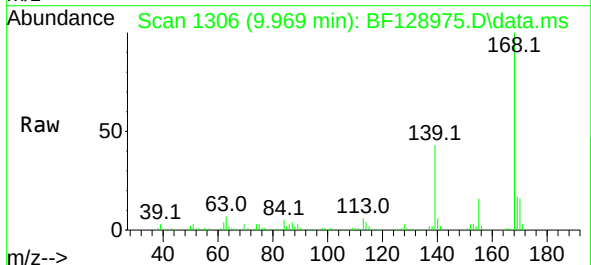
Tgt Ion:154 Resp: 10315
Ion Ratio Lower Upper
154 100
153 113.7 89.6 134.4
152 56.0 42.4 63.6

Manual Integrations
APPROVED

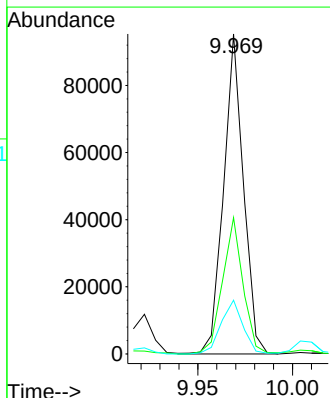
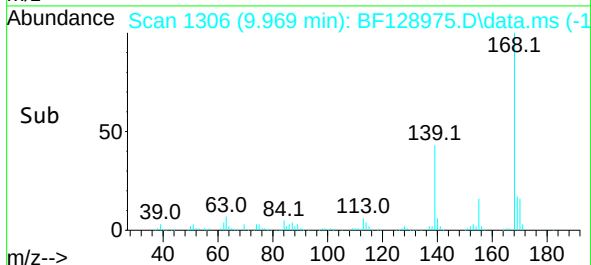
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

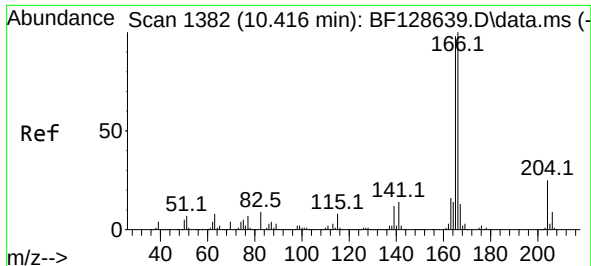


#55
Dibenzofuran
Concen: 6.626 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24



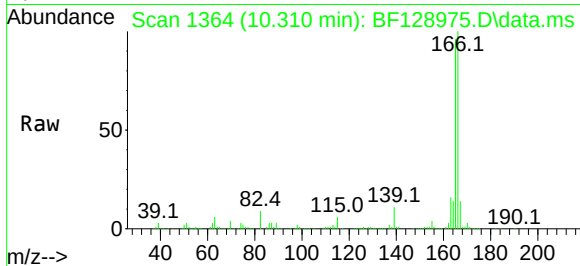
Tgt Ion:168 Resp: 69455
Ion Ratio Lower Upper
168 100
139 42.6 30.6 46.0
169 16.8 11.0 16.6





#58
Fluorene
Concen: 17.302 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

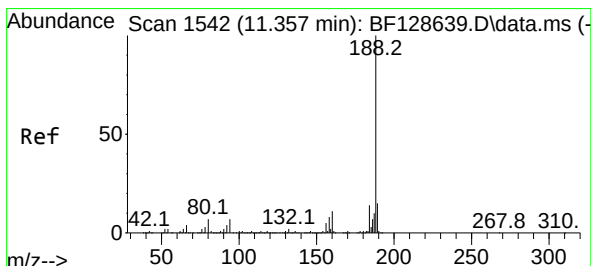
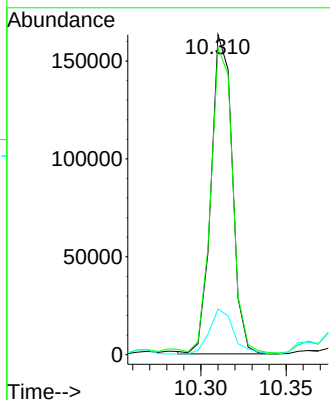
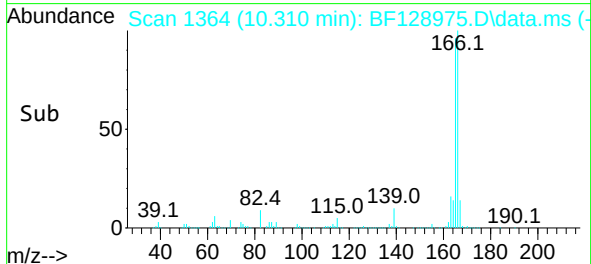
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



Tgt Ion:166 Resp: 14065
Ion Ratio Lower Upper
166 100
165 96.0 78.1 117.1
167 14.2 10.5 15.7

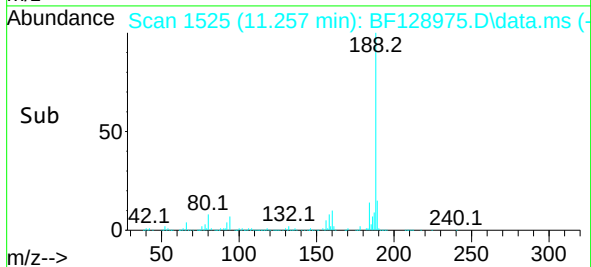
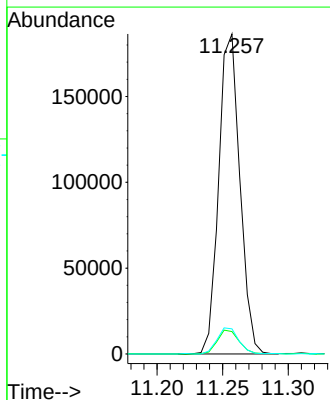
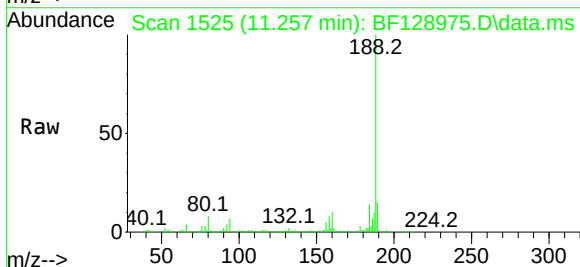
Manual Integrations
APPROVED

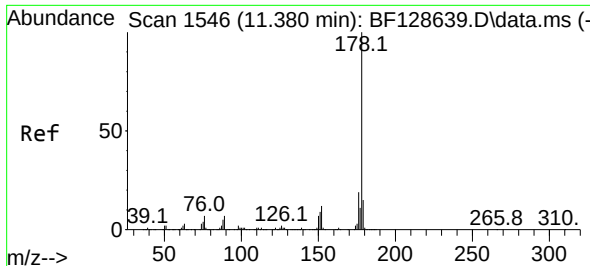
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1525
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

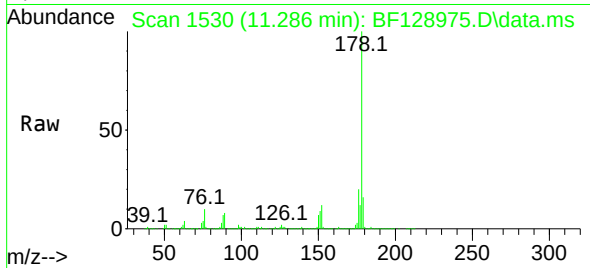
Tgt Ion:188 Resp: 208918
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6#
80 7.8 7.6 11.4





#71
Phenanthrene
Concen: 180.721 ng
RT: 11.286 min Scan# 1530
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

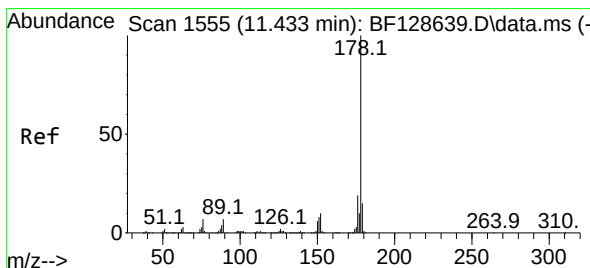
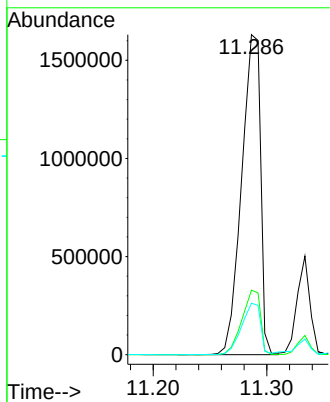
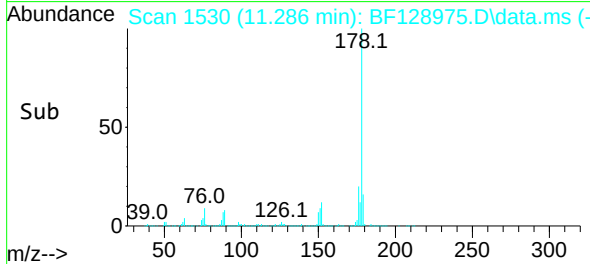
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



Tgt Ion:178 Resp: 189375
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 16.1 12.6 19.0

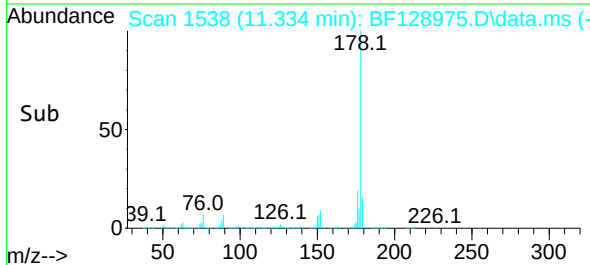
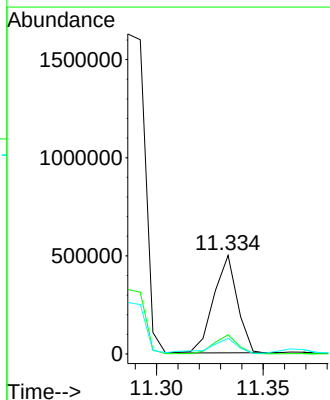
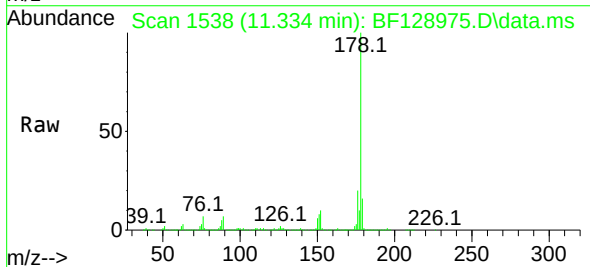
Manual Integrations
APPROVED

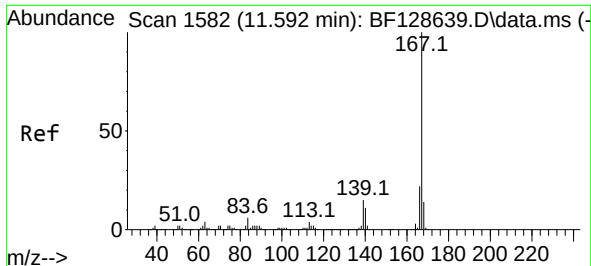
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#72
Anthracene
Concen: 37.017 ng
RT: 11.334 min Scan# 1538
Delta R.T. 0.000 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

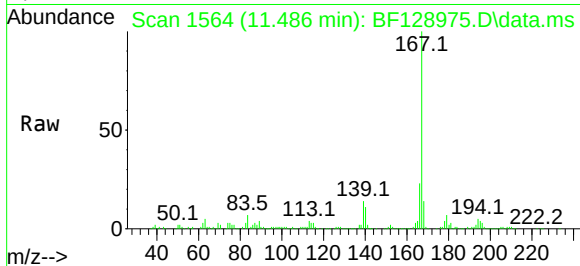
Tgt Ion:178 Resp: 383933
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.9 12.6 19.0





#73
 Carbazole
 Concen: 9.512 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128975.D
 Acq: 24 Jun 2022 02:24

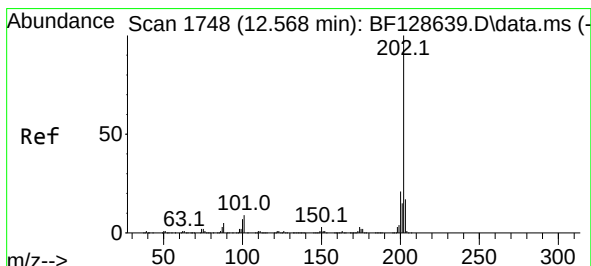
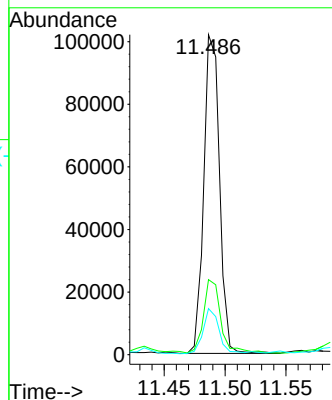
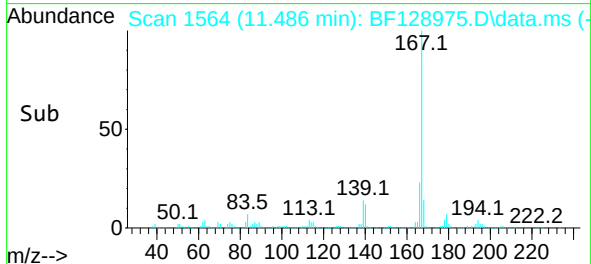
Instrument :
 BNA_F
 ClientSampleId :
 WC-E1(0-4)



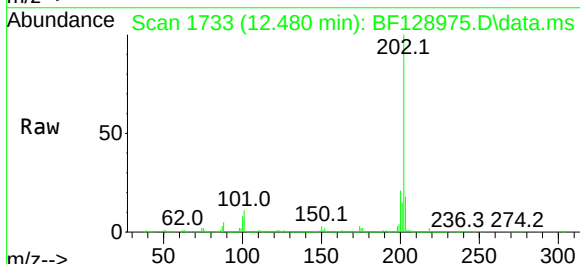
Tgt Ion:167 Resp: 9163
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.7 26.5
 139 14.4 11.2 16.8

Manual Integrations
 APPROVED

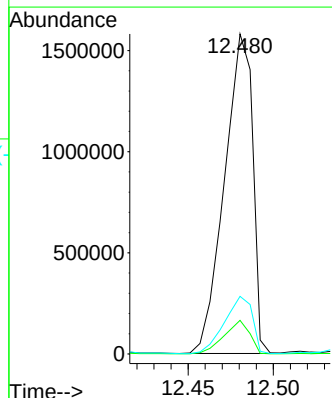
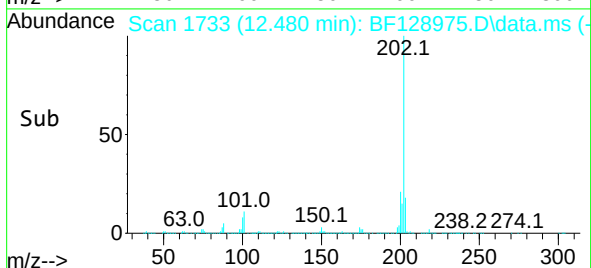
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

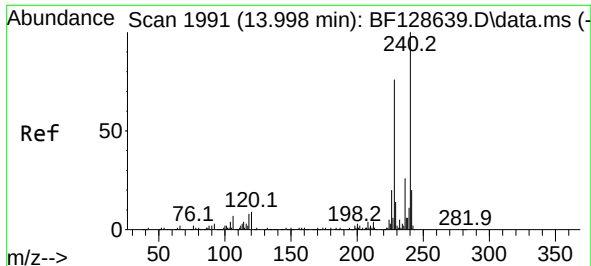


#75
 Fluoranthene
 Concen: 165.648 ng
 RT: 12.480 min Scan# 1733
 Delta R.T. 0.012 min
 Lab File: BF128975.D
 Acq: 24 Jun 2022 02:24



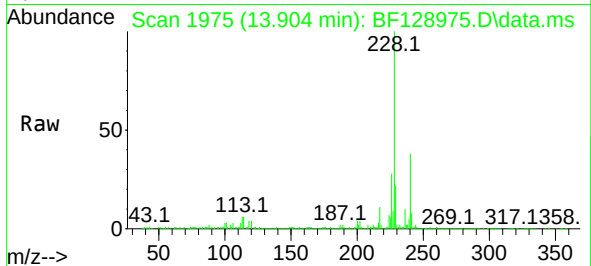
Tgt Ion:202 Resp: 1814435
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.4
 203 18.0 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.904 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

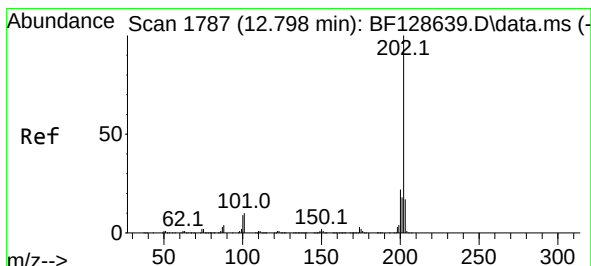
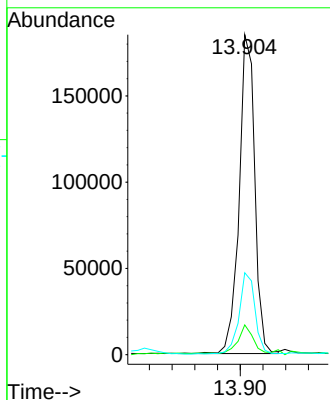
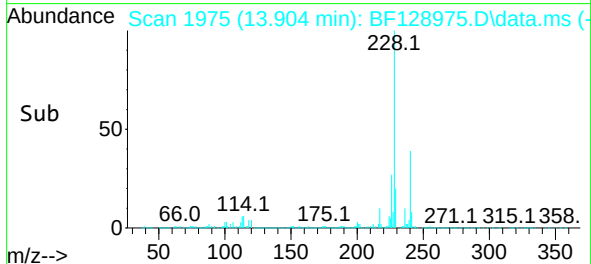
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



Tgt Ion:240 Resp: 176360
Ion Ratio Lower Upper
240 100
120 9.3 8.9 13.3
236 25.6 20.8 31.2

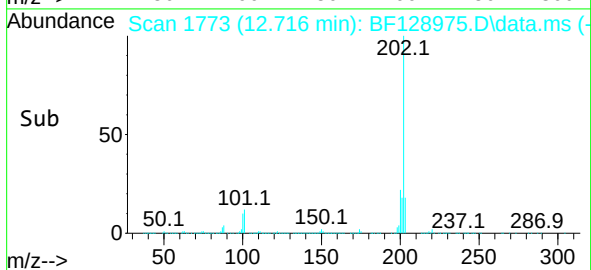
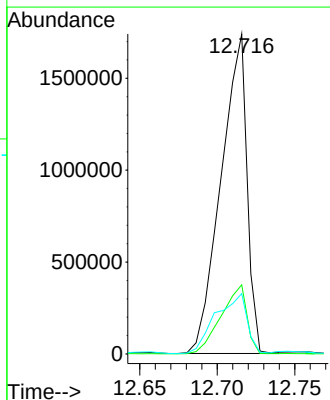
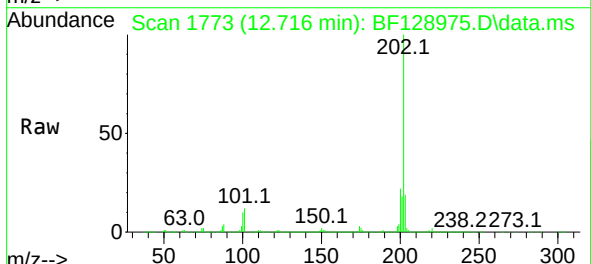
Manual Integrations
APPROVED

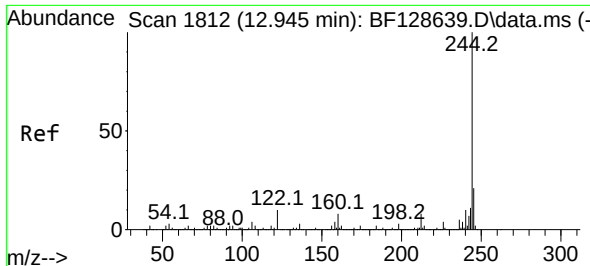
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#78
Pyrene
Concen: 154.192 ng
RT: 12.716 min Scan# 1773
Delta R.T. 0.018 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

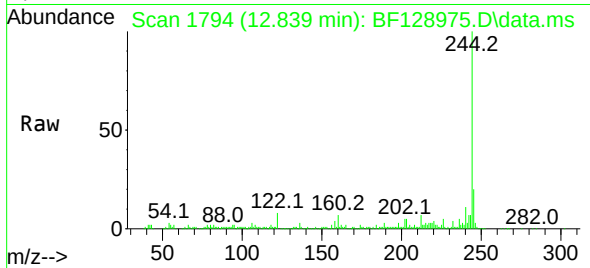
Tgt Ion:202 Resp: 2023167
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 18.9 14.6 21.8





#79
 Terphenyl-d14
 Concen: 10.522 ng
 RT: 12.839 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: BF128975.D
 Acq: 24 Jun 2022 02:24

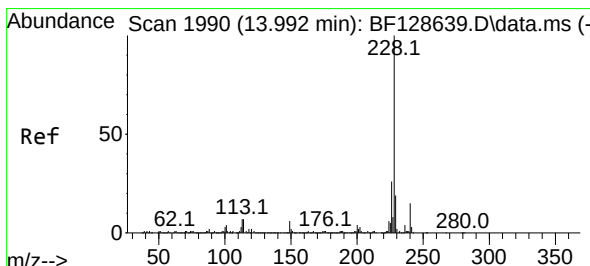
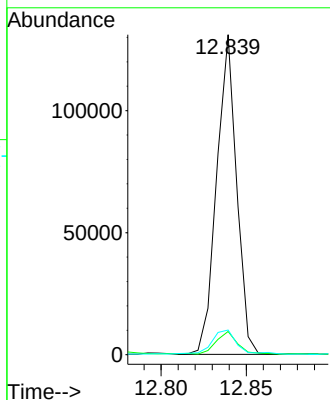
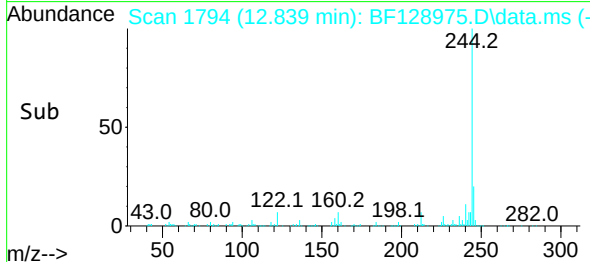
Instrument :
 BNA_F
 ClientSampleId :
 WC-E1(0-4)



Tgt Ion:244 Resp: 106789
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 7.7 8.8 13.2

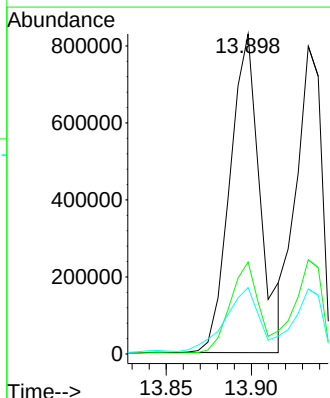
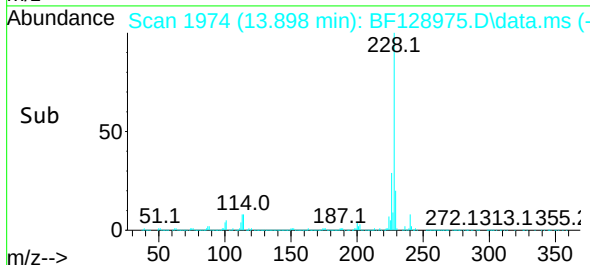
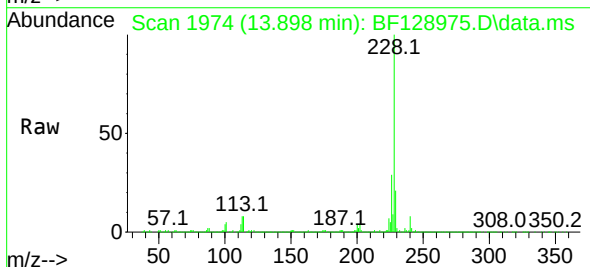
Manual Integrations
 APPROVED

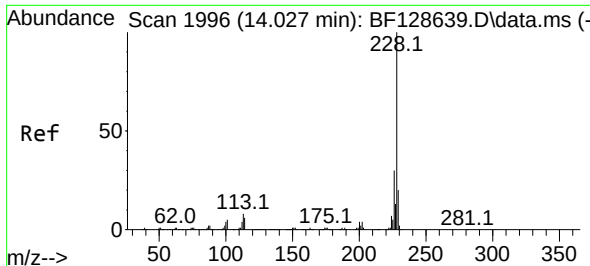
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022



#81
 Benzo(a)anthracene
 Concen: 92.919 ng
 RT: 13.898 min Scan# 1974
 Delta R.T. 0.012 min
 Lab File: BF128975.D
 Acq: 24 Jun 2022 02:24

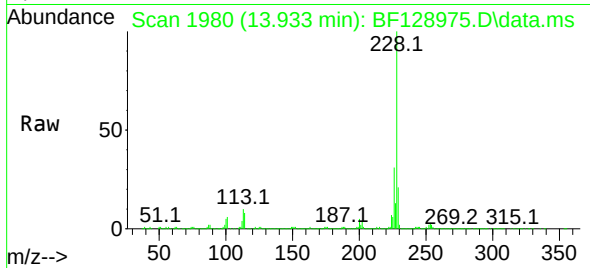
Tgt Ion:228 Resp: 1021470
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.1 33.1
 229 20.8 15.8 23.8





#83
Chrysene
Concen: 78.978 ng
RT: 13.933 min Scan# 1996
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

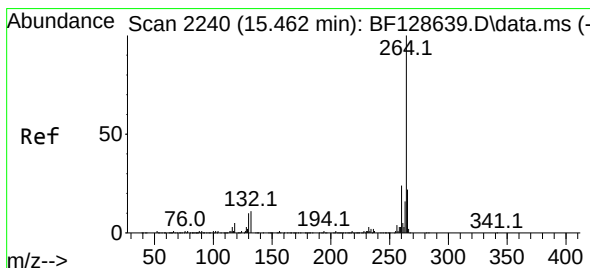
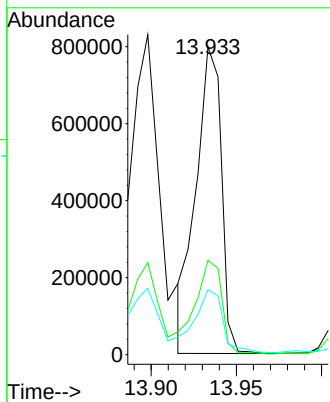
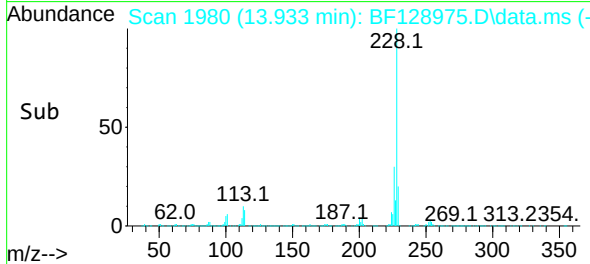
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



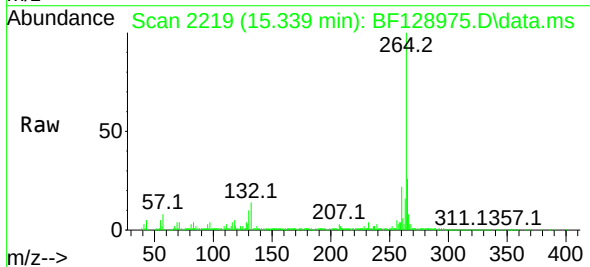
Tgt Ion:228 Resp: 827732
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.1 15.9 23.9

Manual Integrations
APPROVED

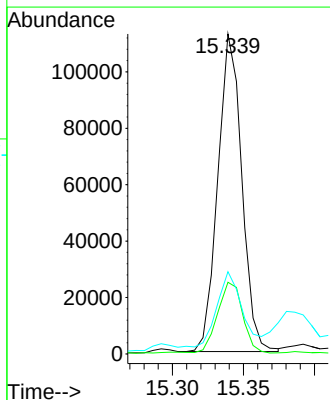
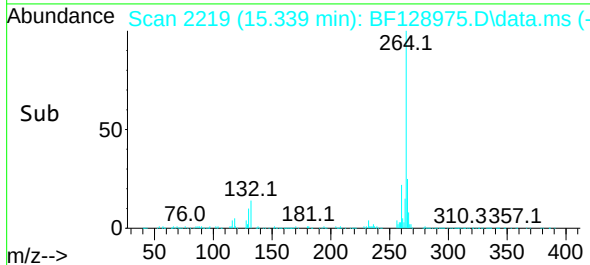
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

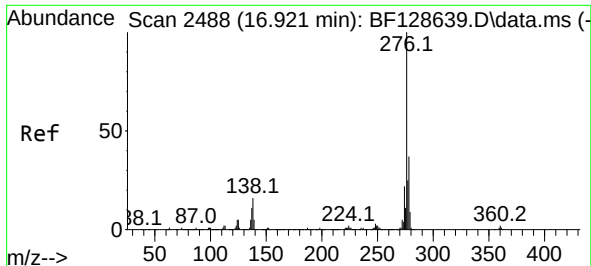


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.339 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24



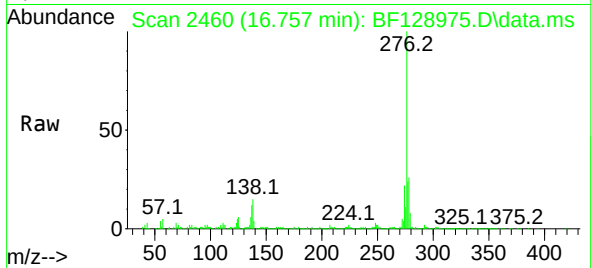
Tgt Ion:264 Resp: 131980
Ion Ratio Lower Upper
264 100
260 22.4 18.4 27.6
265 25.7 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 31.520 ng
RT: 16.757 min Scan# 2488
Delta R.T. 0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

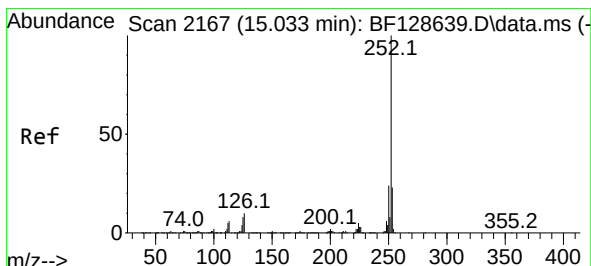
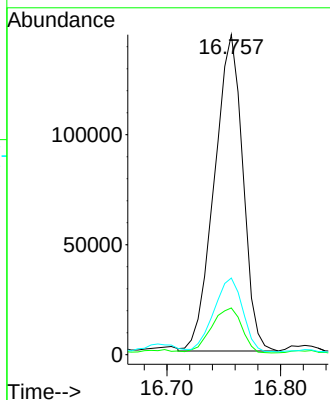
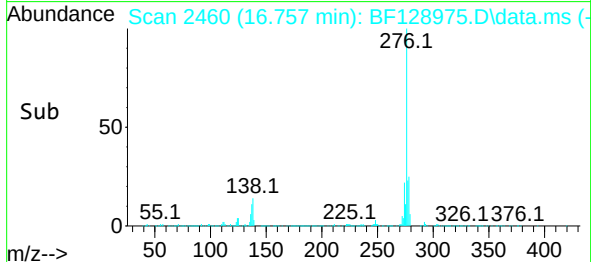
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



Tgt Ion: 276 Resp: 250732
Ion Ratio Lower Upper
276 100
138 15.3 21.1 31.7
277 23.4 20.3 30.5

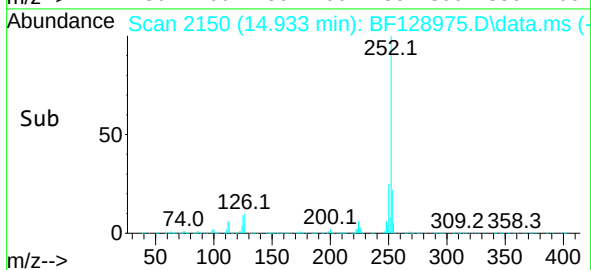
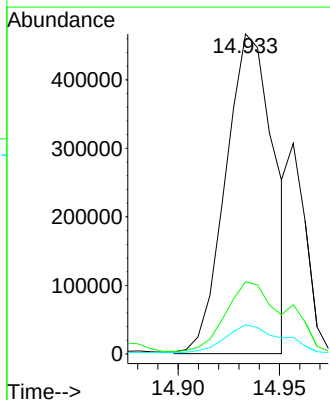
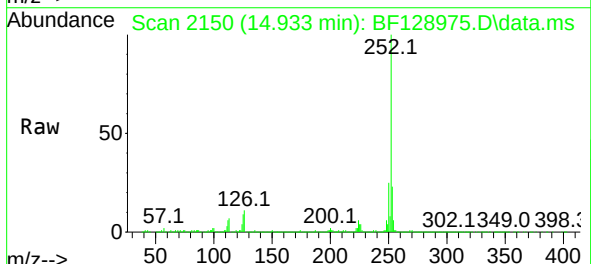
Manual Integrations
APPROVED

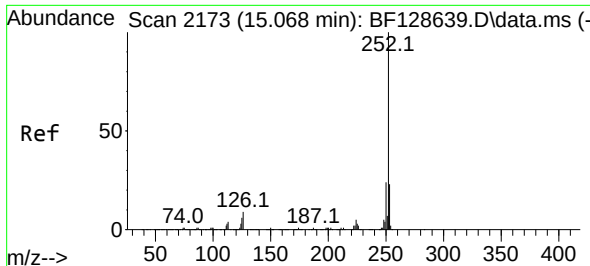
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022



#88
Benzo(b)fluoranthene
Concen: 91.077 ng m
RT: 14.933 min Scan# 2150
Delta R.T. 0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

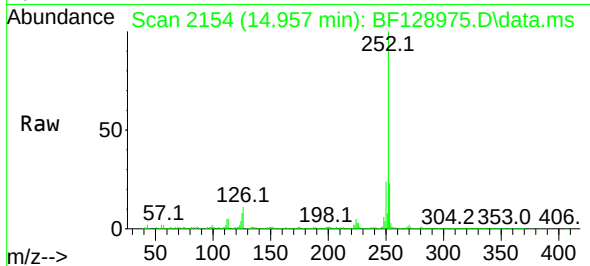
Tgt Ion: 252 Resp: 768088
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 9.1 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 24.458 ng m
RT: 14.957 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

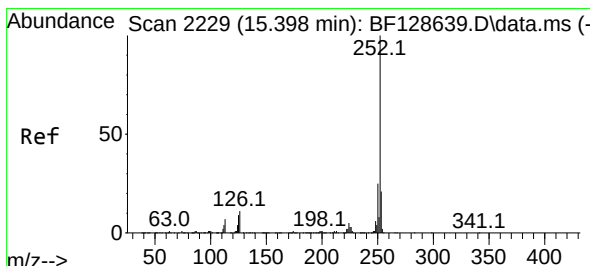
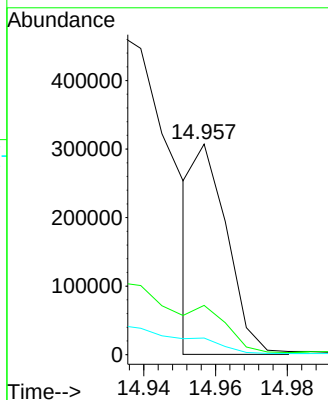
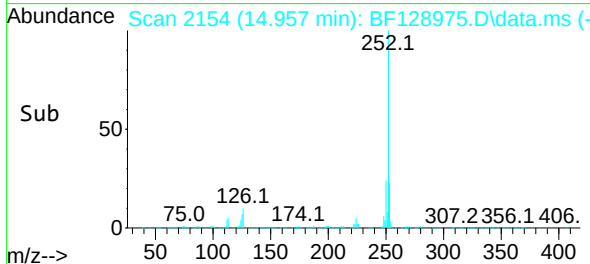
Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)



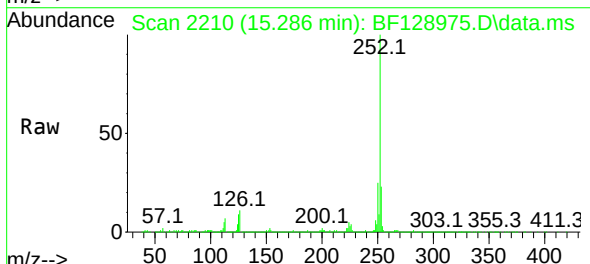
Tgt Ion:252 Resp: 194028
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 7.9 8.3 12.5

Manual Integrations
APPROVED

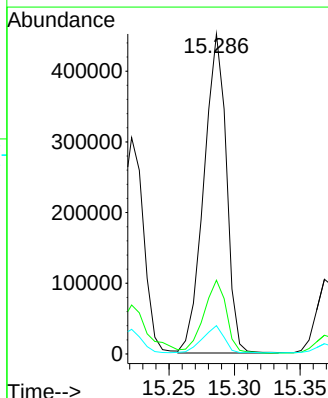
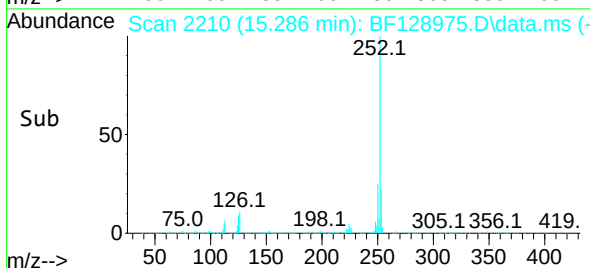
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

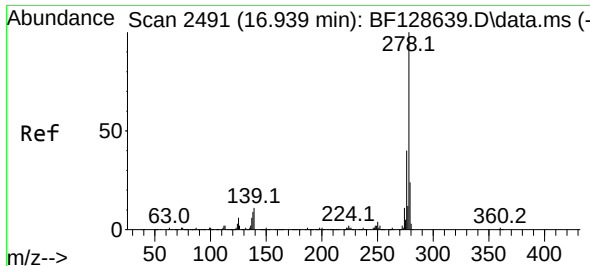


#90
Benzo(a)pyrene
Concen: 81.279 ng
RT: 15.286 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24



Tgt Ion:252 Resp: 538743
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 8.9 8.8 13.2





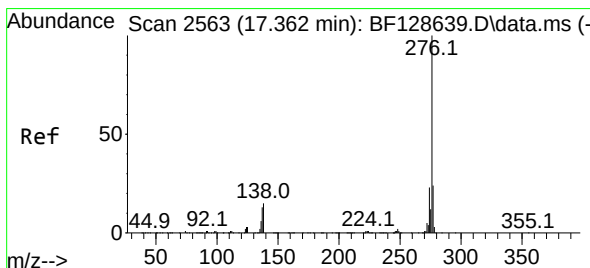
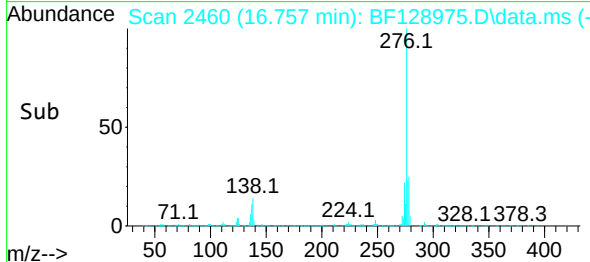
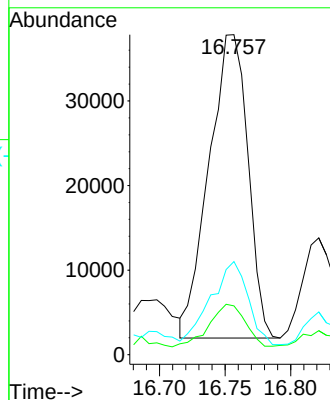
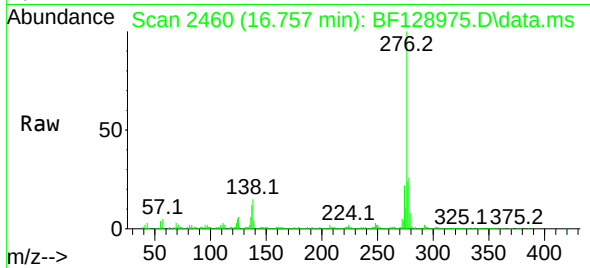
#91
Dibenzo(a,h)anthracene
Concen: 11.221 ng
RT: 16.757 min Scan# 2491
Delta R.T. 0.006 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Instrument :
BNA_F
ClientSampleId :
WC-E1(0-4)

Tgt Ion:278 Resp: 74040
Ion Ratio Lower Upper
278 100
139 15.2 12.8 19.2
279 29.1 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#92
Benzo(g,h,i)perylene
Concen: 37.447 ng
RT: 17.180 min Scan# 2532
Delta R.T. 0.012 min
Lab File: BF128975.D
Acq: 24 Jun 2022 02:24

Tgt Ion:276 Resp: 244885
Ion Ratio Lower Upper
276 100
277 25.2 19.1 28.7
138 16.2 18.0 27.0

