

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128966.D
 Acq On : 23 Jun 2022 22:04
 Operator : CG\JU
 Sample : N3466-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QA-QC-COMP-XRDS010-22

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 04:35:28 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	97705	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	384074	20.000	ng	# 0.00
39) Acenaphthene-d10	9.763	164	201674	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	322466	20.000	ng	0.00
76) Chrysene-d12	13.898	240	198937	20.000	ng	# 0.00
86) Perylene-d12	15.327	264	214521	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	613733	100.054	ng	0.00
7) Phenol-d6	6.381	99	764673	102.124	ng	0.00
23) Nitrobenzene-d5	7.292	82	537638	65.174	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	179142	75.179	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	897753	62.357	ng	0.00
79) Terphenyl-d14	12.833	244	670201	58.539	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.028	128	344787	17.492	ng	100
37) 2-Methylnaphthalene	8.722	142	121425	9.685	ng	99
38) 1-Methylnaphthalene	8.822	142	84388	6.967	ng	99
46) 1,1'-Biphenyl	9.186	154	40479	2.675	ng	97
52) Acenaphthene	9.798	154	230981	20.065	ng	99
55) Dibenzofuran	9.969	168	294177	17.782	ng	97
58) Fluorene	10.310	166	277063	21.595	ng	100
71) Phenanthrene	11.286	178	2155515	133.269	ng	99
72) Anthracene	11.327	178	615323	38.436	ng	100
73) Carbazole	11.486	167	206261	13.872	ng	98
75) Fluoranthene	12.469	202	1625218	96.128	ng	98
78) Pyrene	12.698	202	1449927	97.963	ng	99
81) Benzo(a)anthracene	13.886	228	691904	55.797	ng	99
83) Chrysene	13.921	228	576482	48.762	ng	98
87) Indeno(1,2,3-cd)pyrene	16.739	276	310641	24.025	ng	# 89
88) Benzo(b)fluoranthene	14.921	252	700873m	51.130	ng	
89) Benzo(k)fluoranthene	14.945	252	204655m	15.871	ng	
90) Benzo(a)pyrene	15.274	252	526248	48.846	ng	95
91) Dibenzo(a,h)anthracene	16.739	278	83763	7.810	ng	92
92) Benzo(g,h,i)perylene	17.162	276	302133	28.424	ng	# 94

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

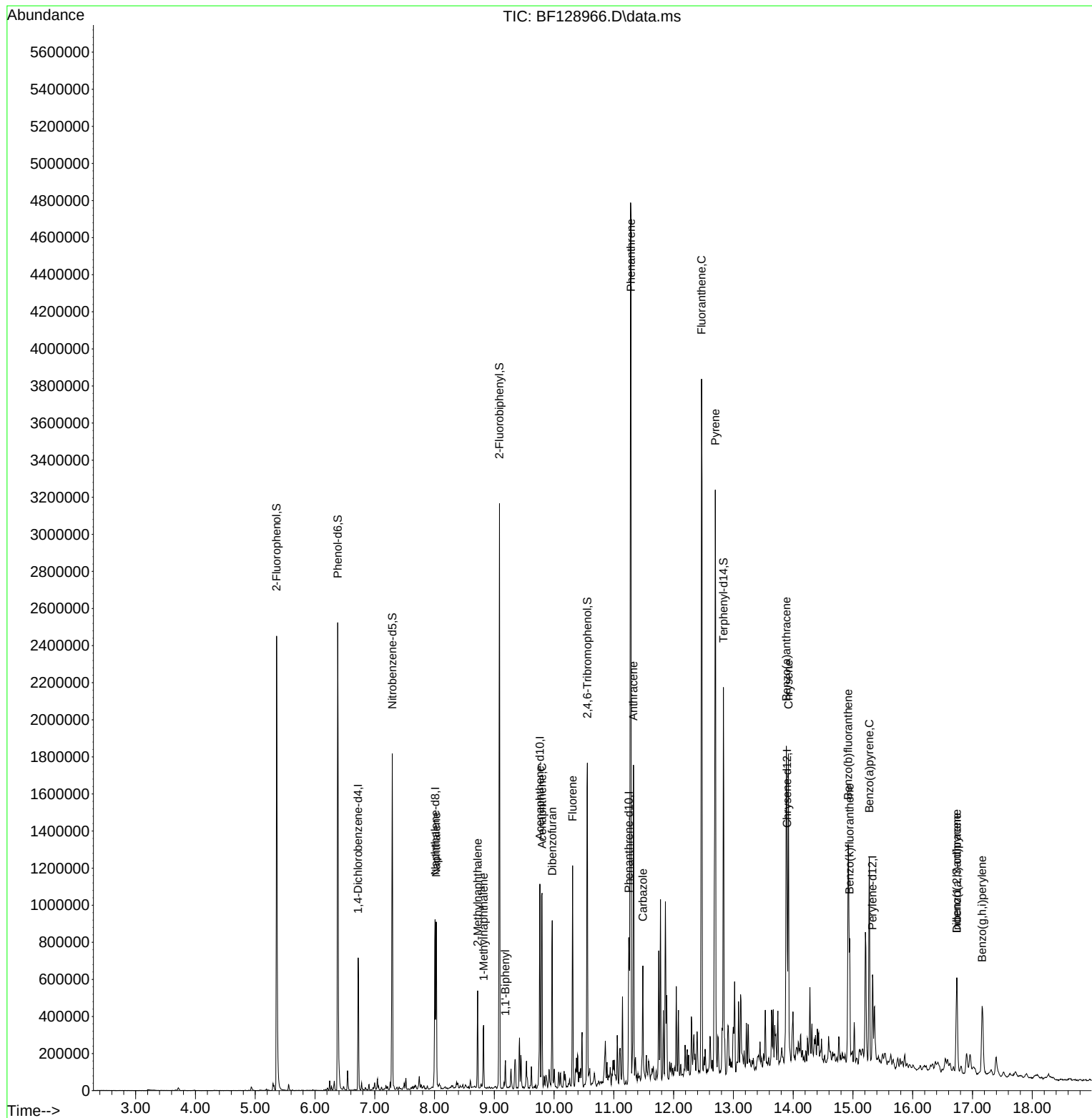
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
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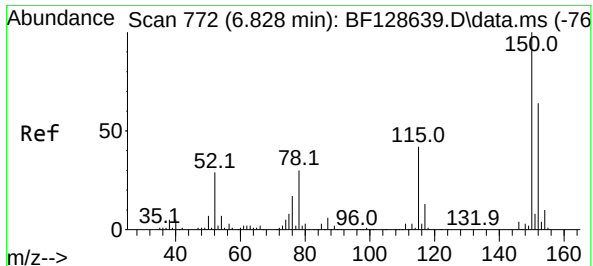
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 00:50:48 2022
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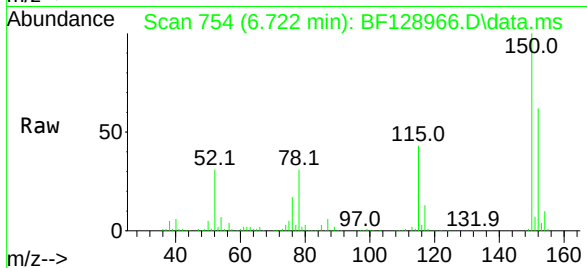
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

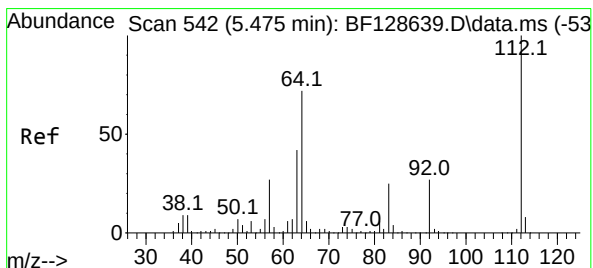
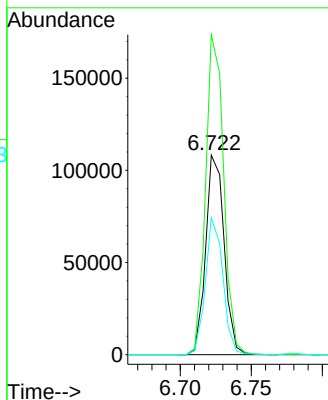
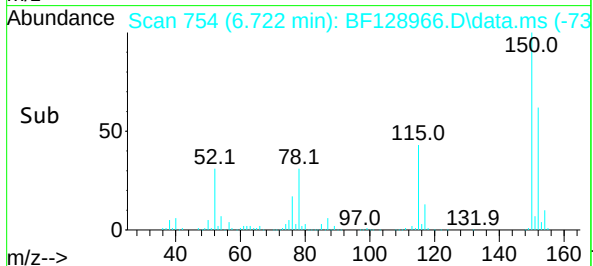
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ClientSampleId :
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Tgt Ion:152 Resp: 9770
Ion Ratio Lower Upper
152 100
150 160.4 123.7 185.5
115 68.6 49.9 74.9

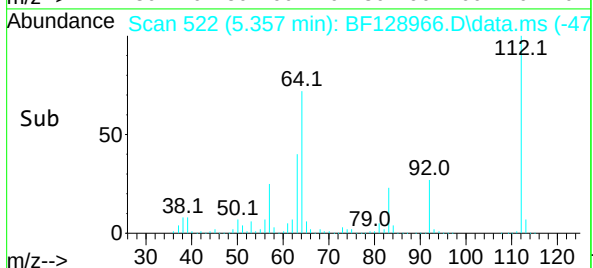
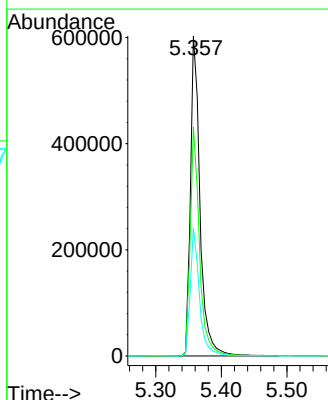
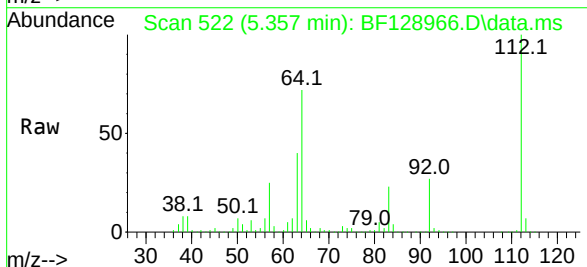
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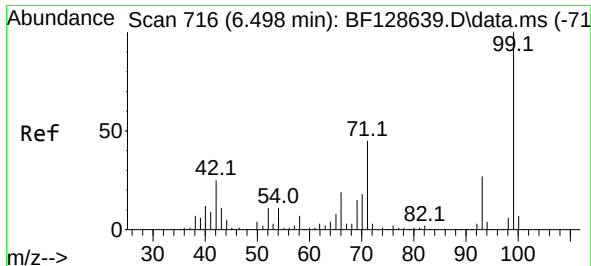
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#5
2-Fluorophenol
Concen: 100.054 ng
RT: 5.357 min Scan# 522
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

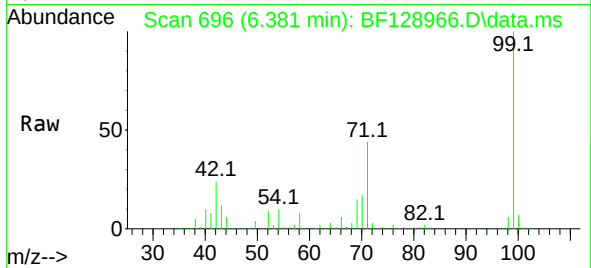
Tgt Ion:112 Resp: 613733
Ion Ratio Lower Upper
112 100
64 71.6 53.3 79.9
63 40.1 28.0 42.0





#7
Phenol-d6
Concen: 102.124 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

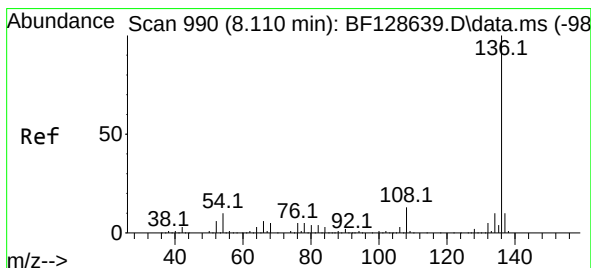
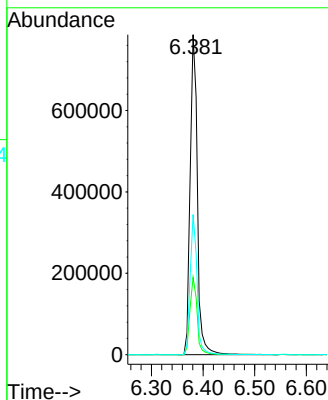
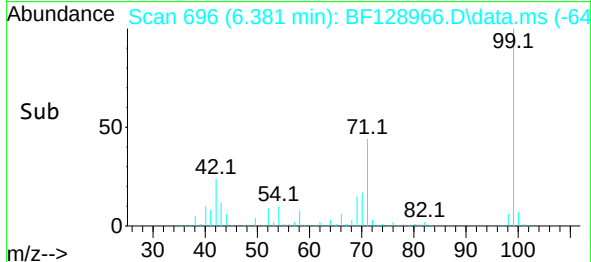
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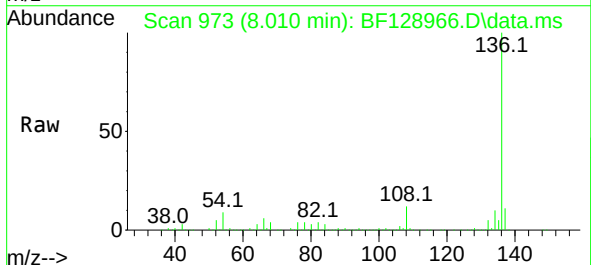
Tgt Ion: 99 Resp: 764673
Ion Ratio Lower Upper
99 100
42 24.2 17.3 25.9
71 43.8 28.9 43.3

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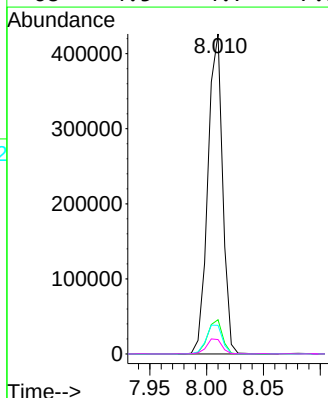
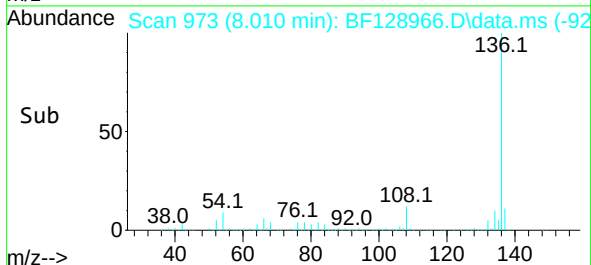
Reviewed By :Christian Giraldo 06/24/2022
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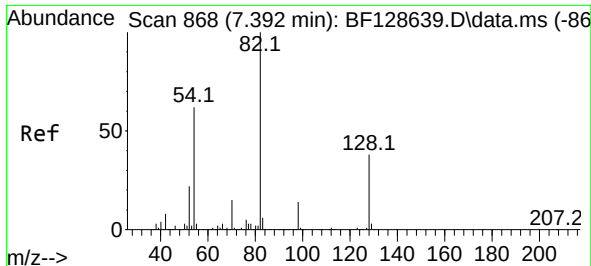


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 973
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04



Tgt Ion:136 Resp: 384074
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.0 7.5 11.3
68 4.5 4.7 7.1





#23

Nitrobenzene-d5

Concen: 65.174 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128966.D

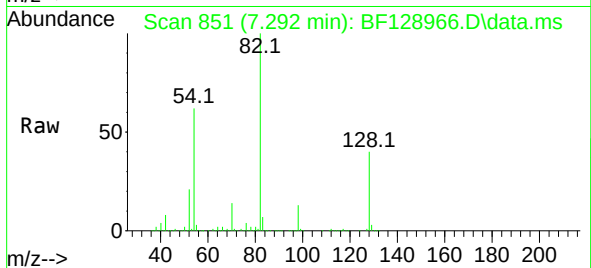
Acq: 23 Jun 2022 22:04

Instrument :

BNA_F

ClientSampleId :

QA-QC-COMP-XRDS010-22



Tgt Ion: 82 Resp: 537638

Ion Ratio Lower Upper

82 100

128 39.9 34.0 51.0

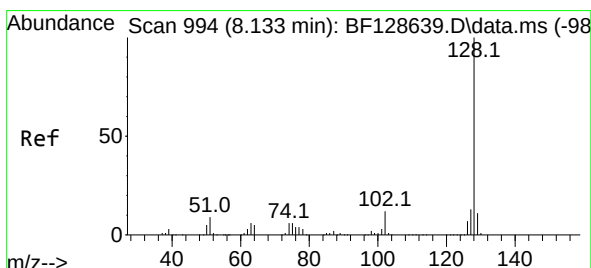
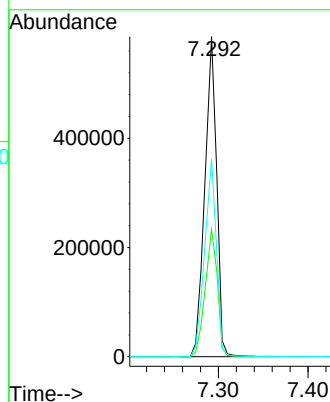
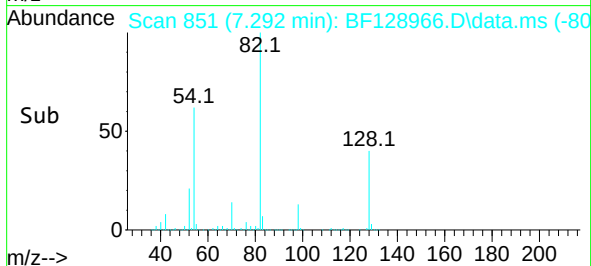
54 61.8 46.9 70.3

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#31

Naphthalene

Concen: 17.492 ng

RT: 8.028 min Scan# 976

Delta R.T. -0.006 min

Lab File: BF128966.D

Acq: 23 Jun 2022 22:04

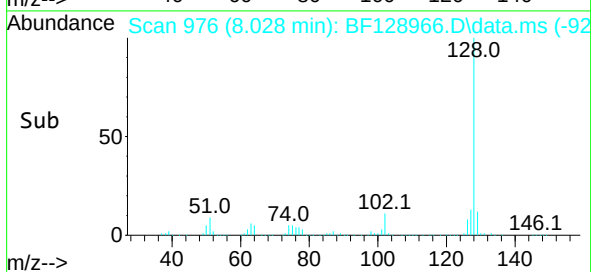
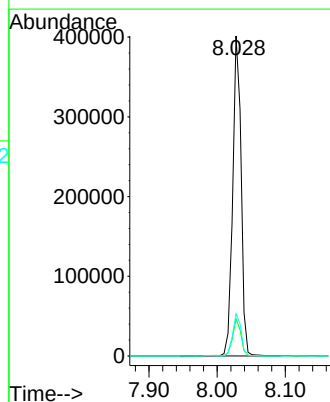
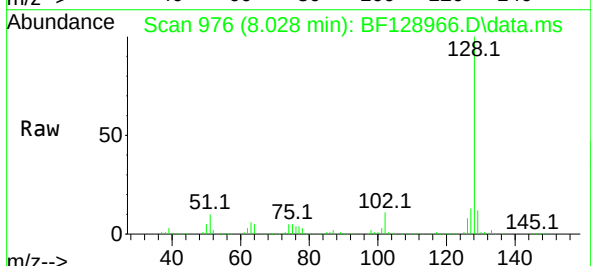
Tgt Ion:128 Resp: 344787

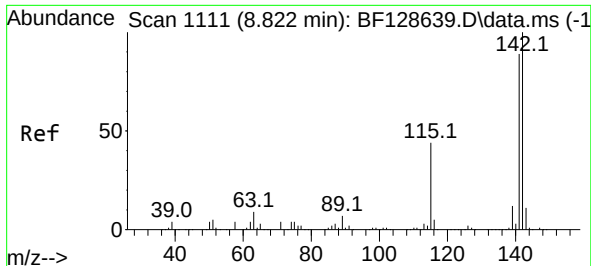
Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

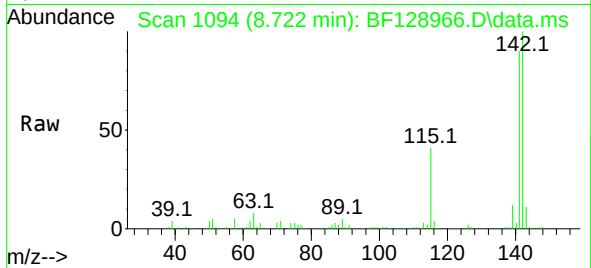
127 13.2 10.5 15.7





#37
2-Methylnaphthalene
Concen: 9.685 ng
RT: 8.722 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

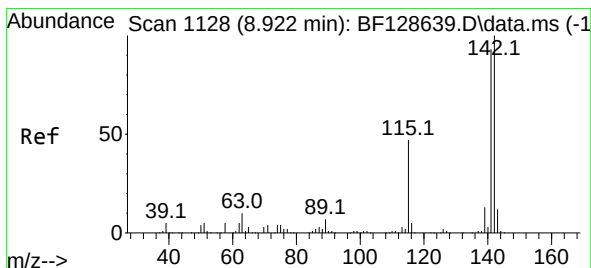
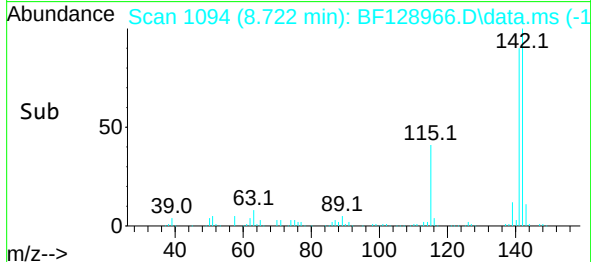
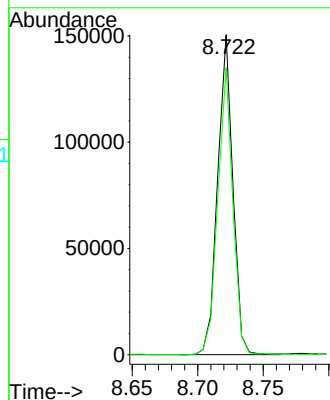
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22



Tgt Ion:142 Resp: 121429
Ion Ratio Lower Upper
142 100
141 89.7 71.0 106.4

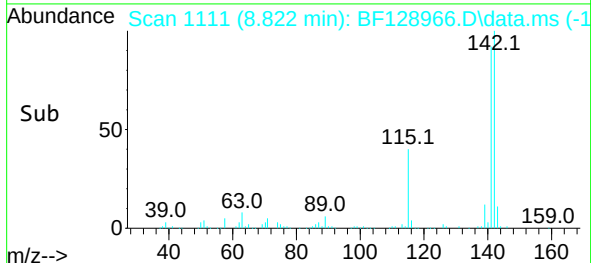
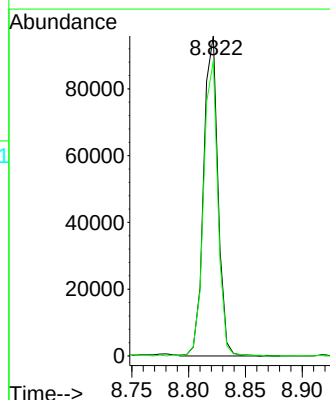
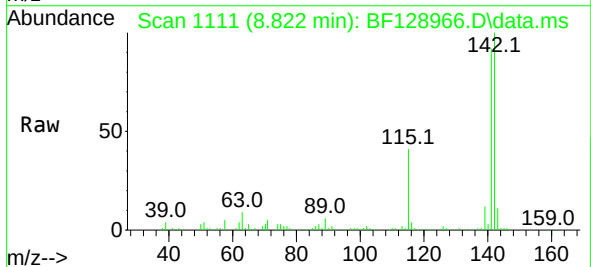
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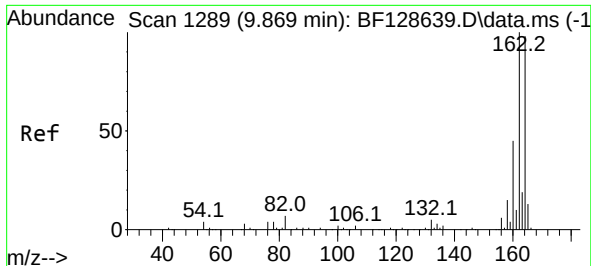
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#38
1-Methylnaphthalene
Concen: 6.967 ng
RT: 8.822 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

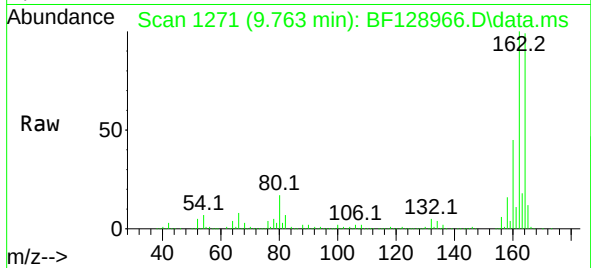
Tgt Ion:142 Resp: 84388
Ion Ratio Lower Upper
142 100
141 92.3 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

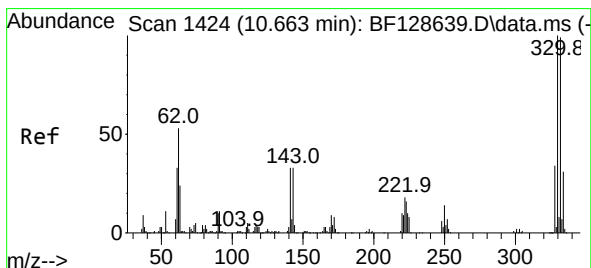
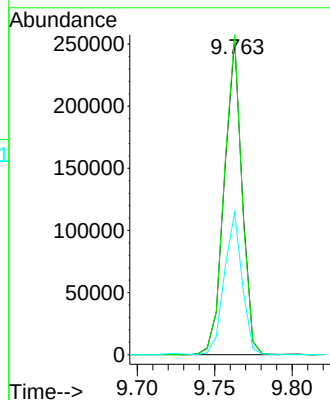
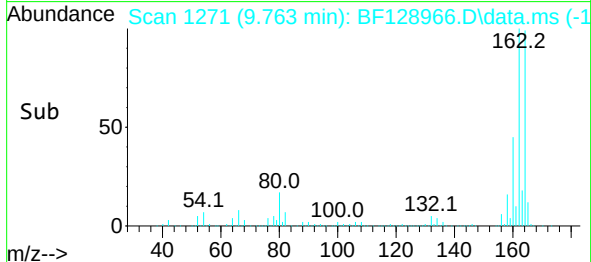
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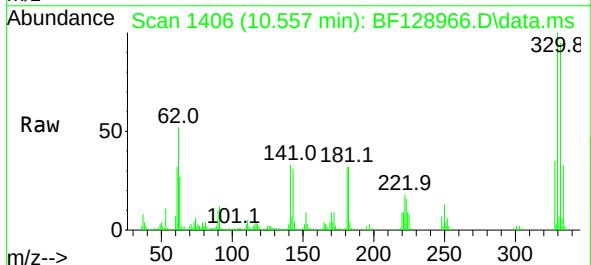
Tgt Ion:164 Resp: 201674
Ion Ratio Lower Upper
164 100
162 101.2 79.5 119.3
160 45.1 34.2 51.4

Manual Integrations
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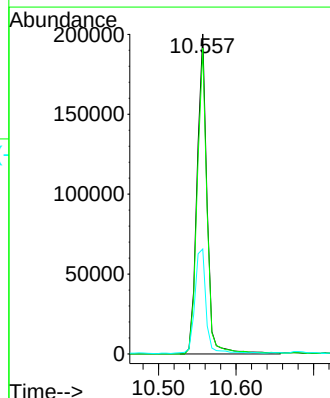
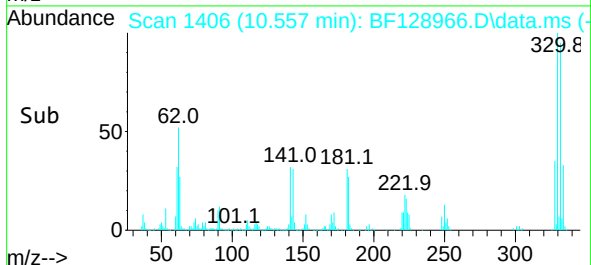
Reviewed By :Christian Giraldo 06/24/2022
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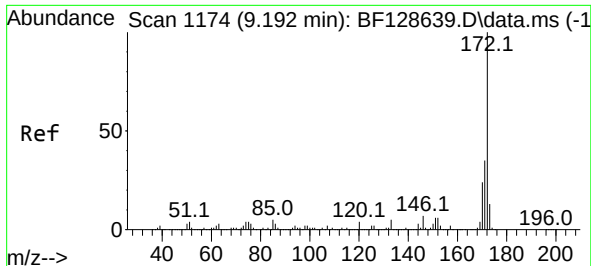


#42
2,4,6-Tribromophenol
Concen: 75.179 ng
RT: 10.557 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04



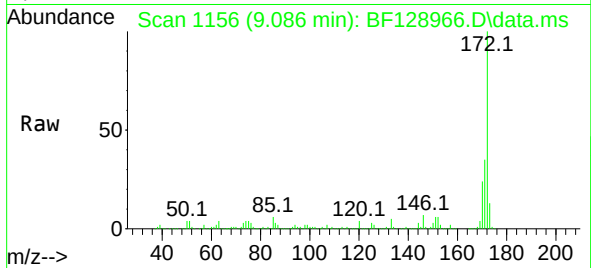
Tgt Ion:330 Resp: 179142
Ion Ratio Lower Upper
330 100
332 94.1 76.8 115.2
141 37.2 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 62.357 ng
RT: 9.086 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

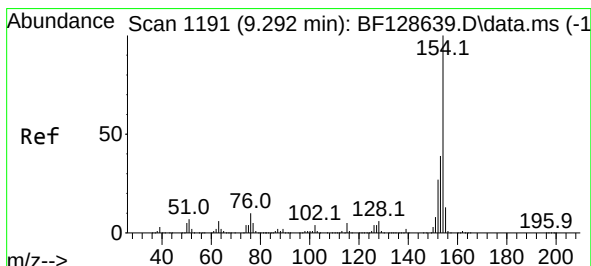
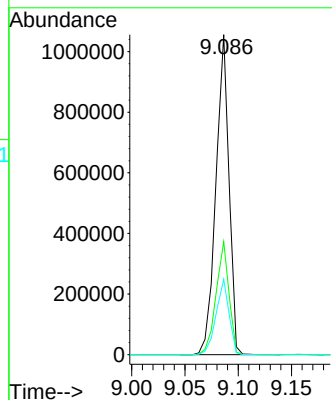
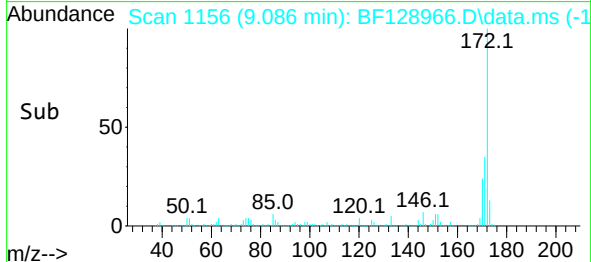
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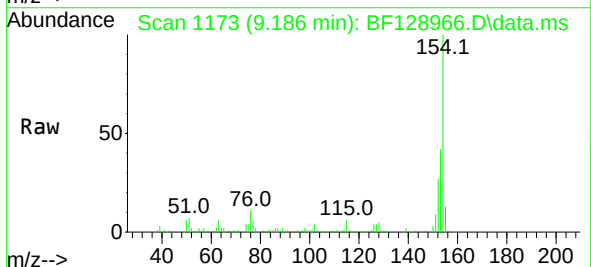
Tgt Ion:172 Resp: 89775
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.5 19.8 29.8

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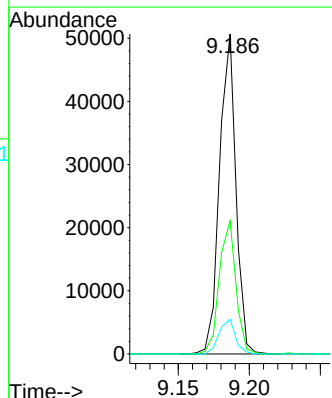
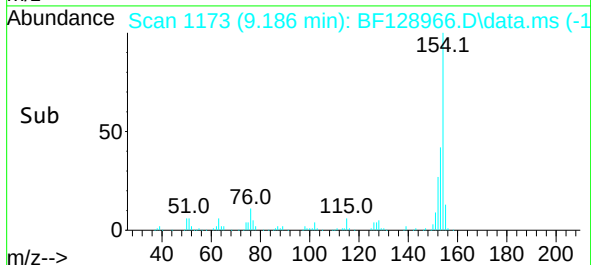
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

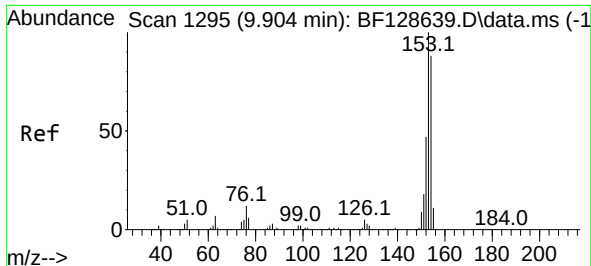


#46
1,1'-Biphenyl
Concen: 2.675 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04



Tgt Ion:154 Resp: 40479
Ion Ratio Lower Upper
154 100
153 41.6 20.6 60.6
76 10.8 0.0 33.3





#52

Acenaphthene

Concen: 20.065 ng

RT: 9.798 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF128966.D

Acq: 23 Jun 2022 22:04

Instrument :

BNA_F

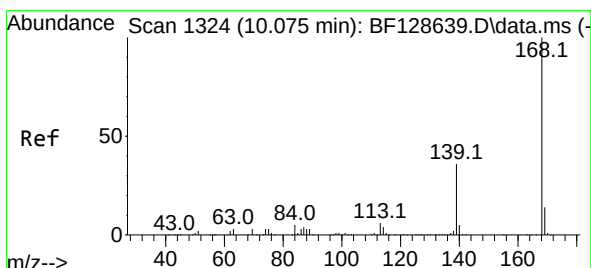
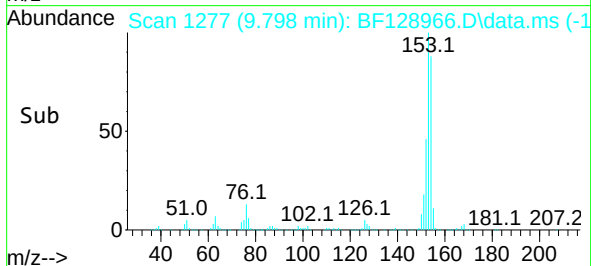
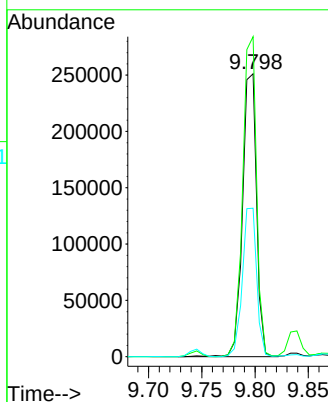
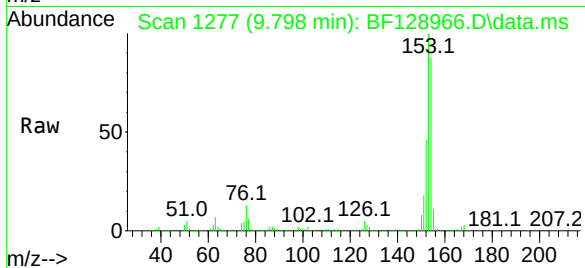
ClientSampleId :

QA-QC-COMP-XRDS010-22

Tgt Ion:154 Resp: 23098
 Ion Ratio Lower Upper
 154 100
 153 113.1 89.6 134.4
 152 52.5 42.4 63.6

Manual Integrations
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 Supervised By :Jagrut Upadhyay 06/28/2022



#55

Dibenzofuran

Concen: 17.782 ng

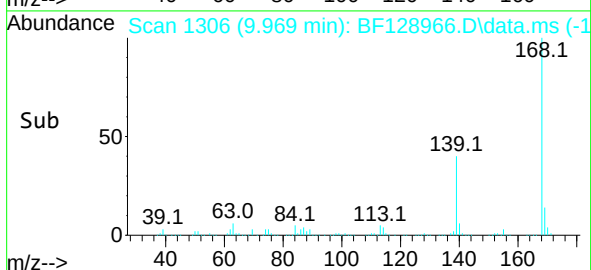
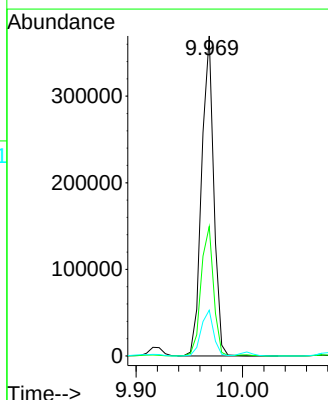
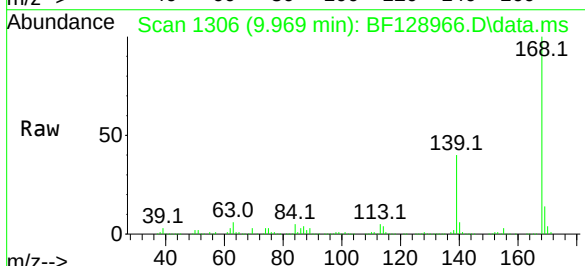
RT: 9.969 min Scan# 1306

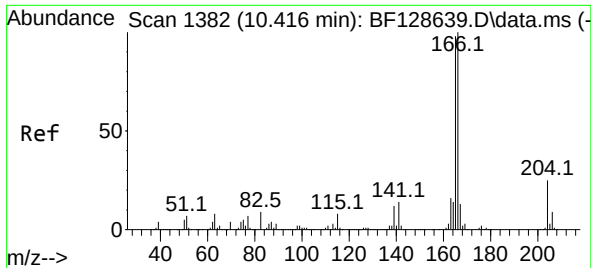
Delta R.T. -0.006 min

Lab File: BF128966.D

Acq: 23 Jun 2022 22:04

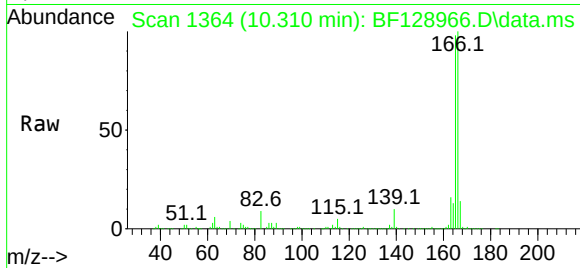
Tgt Ion:168 Resp: 294177
 Ion Ratio Lower Upper
 168 100
 139 40.5 30.6 46.0
 169 14.3 11.0 16.6





#58
Fluorene
Concen: 21.595 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

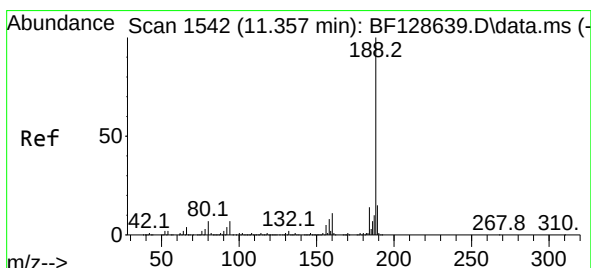
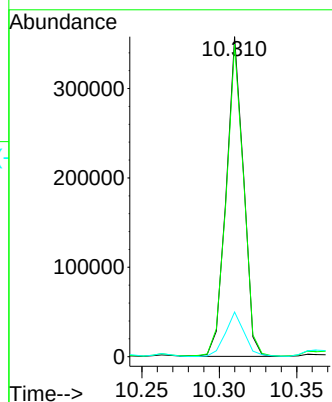
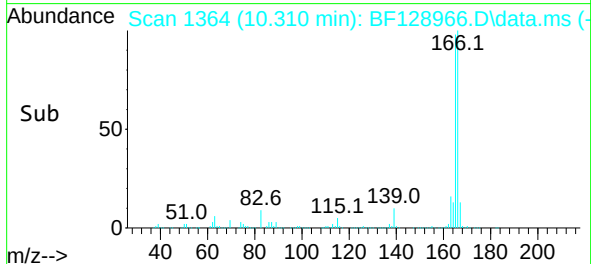
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22



Tgt Ion:166 Resp: 277063
Ion Ratio Lower Upper
166 100
165 97.7 78.1 117.1
167 13.9 10.5 15.7

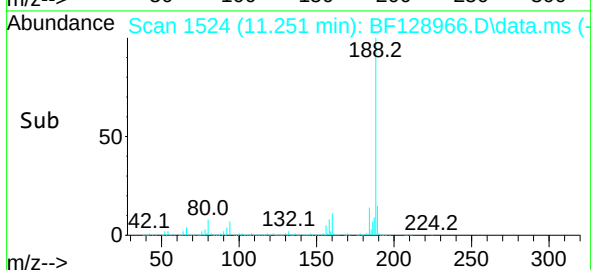
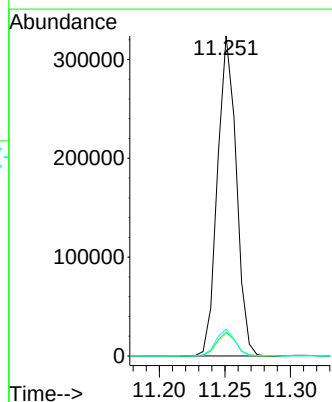
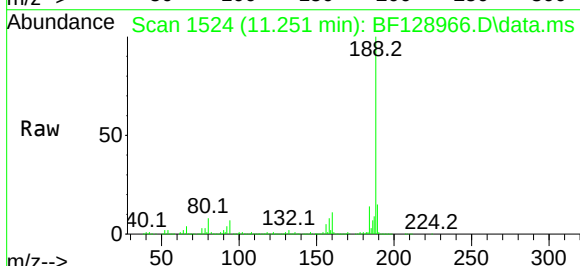
Manual Integrations
APPROVED

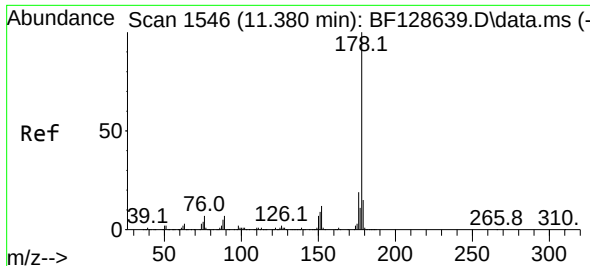
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1524
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

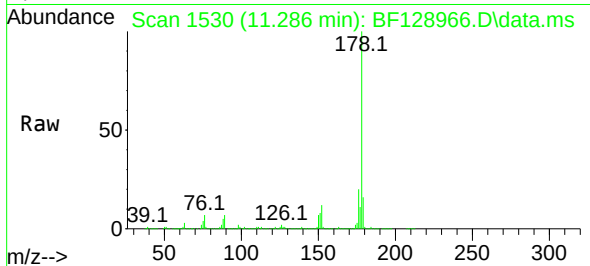
Tgt Ion:188 Resp: 322466
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.6
80 8.4 7.6 11.4





#71
Phenanthrene
Concen: 133.269 ng
RT: 11.286 min Scan# 1530
Delta R.T. 0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

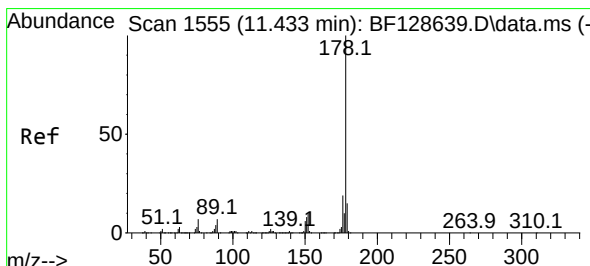
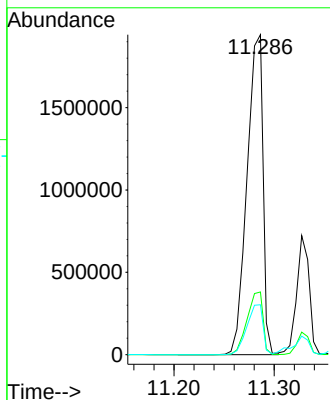
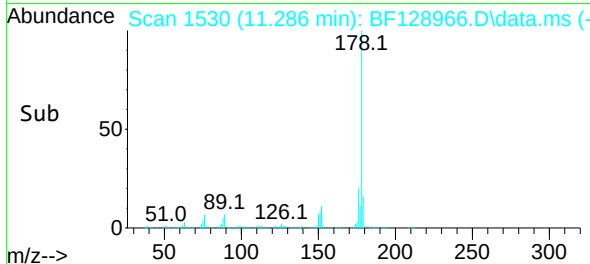
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22



Tgt Ion:178 Resp: 215551
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.6 12.6 19.0

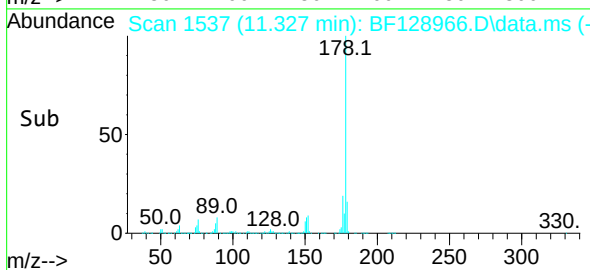
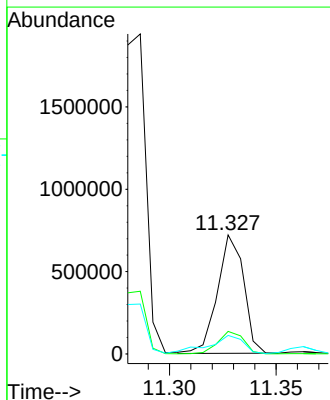
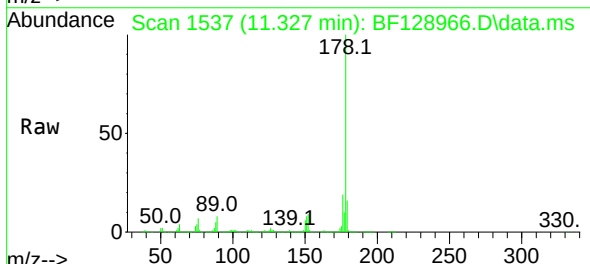
Manual Integrations
APPROVED

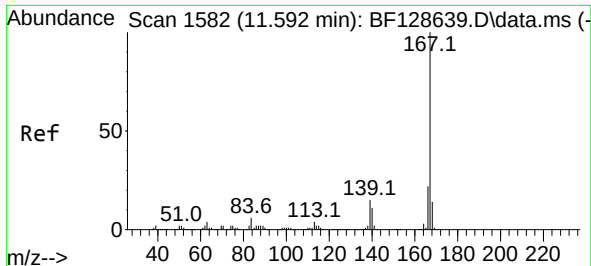
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#72
Anthracene
Concen: 38.436 ng
RT: 11.327 min Scan# 1537
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

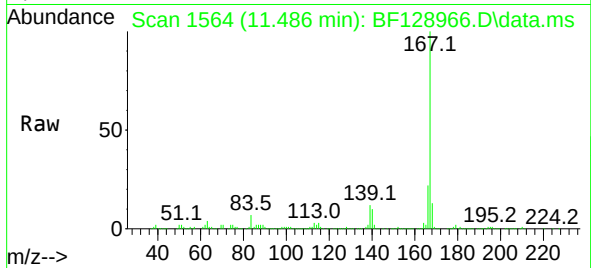
Tgt Ion:178 Resp: 615323
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.6 12.6 19.0





#73
 Carbazole
 Concen: 13.872 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128966.D
 Acq: 23 Jun 2022 22:04

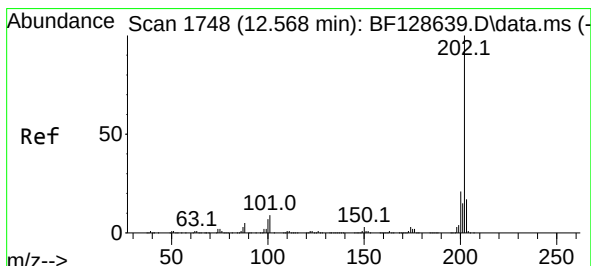
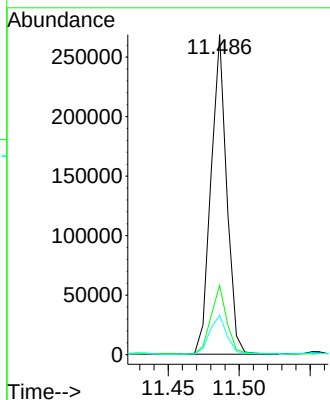
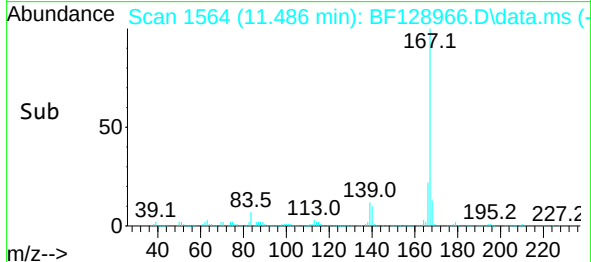
Instrument :
 BNA_F
 ClientSampleId :
 QA-QC-COMP-XRDS010-22



Tgt Ion:167 Resp: 20626
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.7 26.5
 139 12.4 11.2 16.8

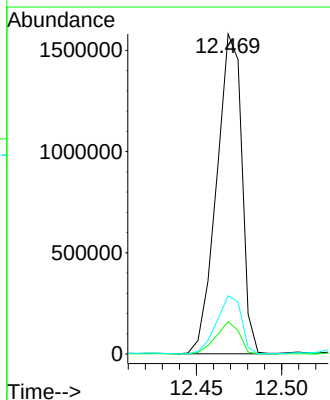
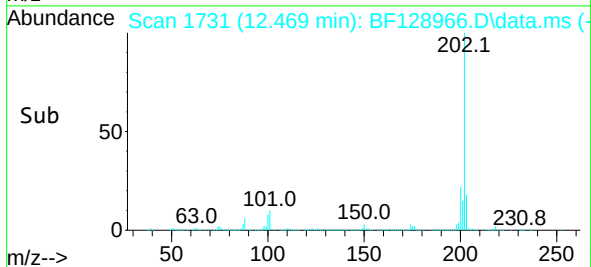
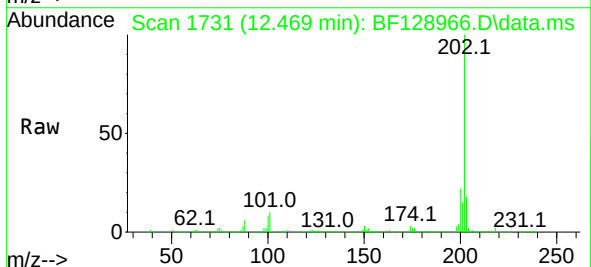
Manual Integrations
 APPROVED

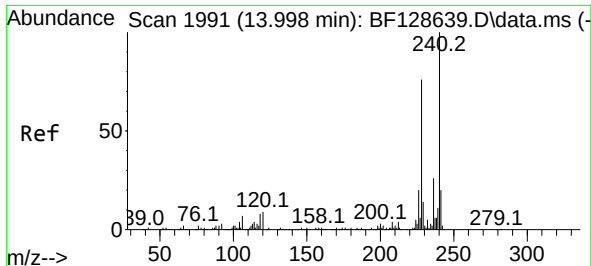
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022



#75
 Fluoranthene
 Concen: 96.128 ng
 RT: 12.469 min Scan# 1731
 Delta R.T. -0.000 min
 Lab File: BF128966.D
 Acq: 23 Jun 2022 22:04

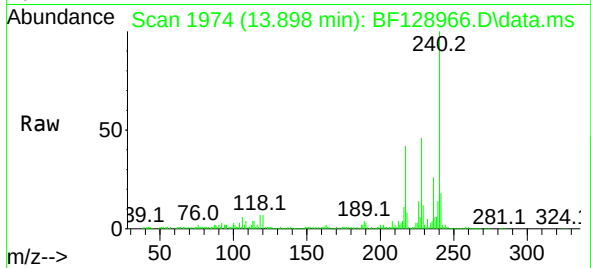
Tgt Ion:202 Resp: 1625218
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.4
 203 18.2 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

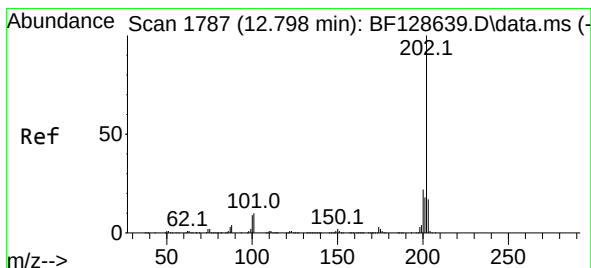
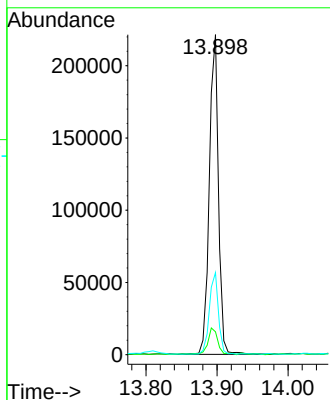
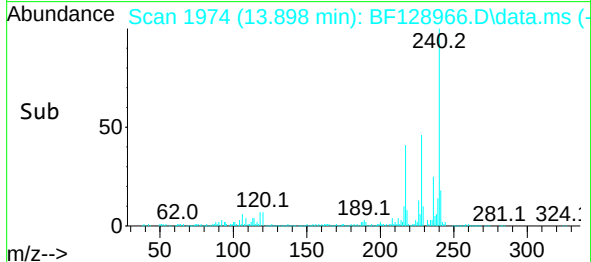
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22



Tgt Ion:240 Resp: 198937
Ion Ratio Lower Upper
240 100
120 7.1 8.9 13.3
236 25.6 20.8 31.2

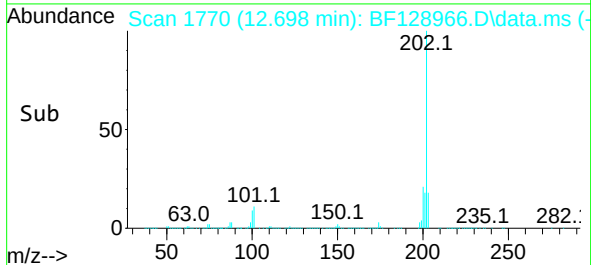
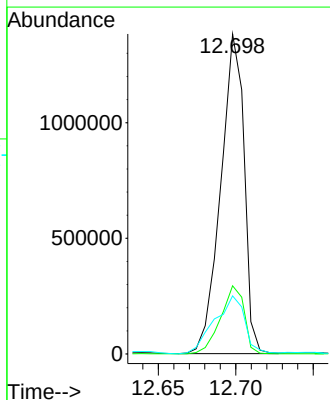
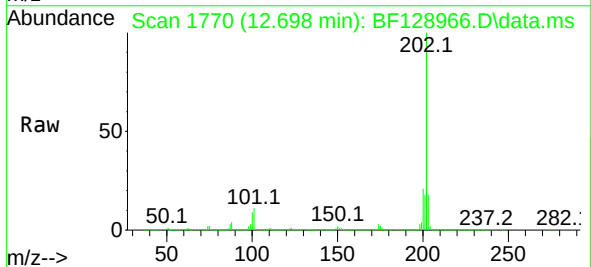
Manual Integrations
APPROVED

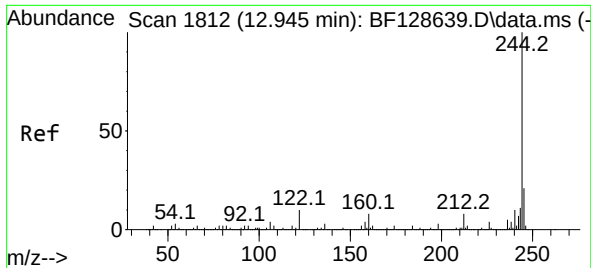
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#78
Pyrene
Concen: 97.963 ng
RT: 12.698 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

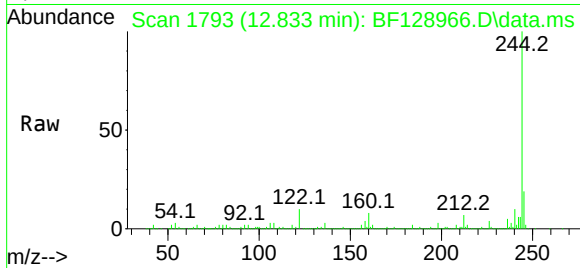
Tgt Ion:202 Resp: 1449927
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 58.539 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128966.D
 Acq: 23 Jun 2022 22:04

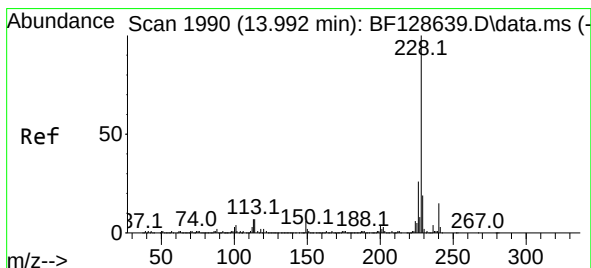
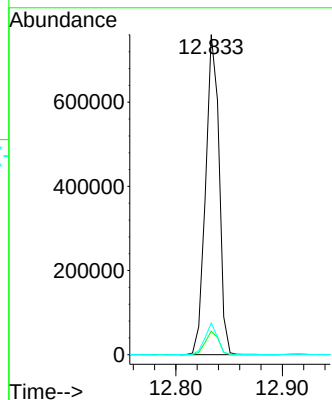
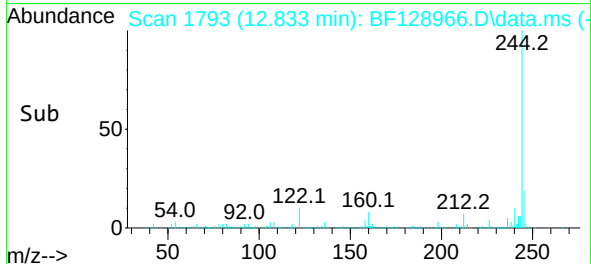
Instrument :
 BNA_F
 ClientSampleId :
 QA-QC-COMP-XRDS010-22



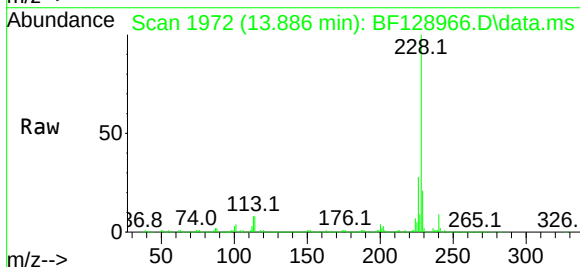
Tgt Ion:244 Resp: 67020
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 9.9 8.8 13.2

Manual Integrations
 APPROVED

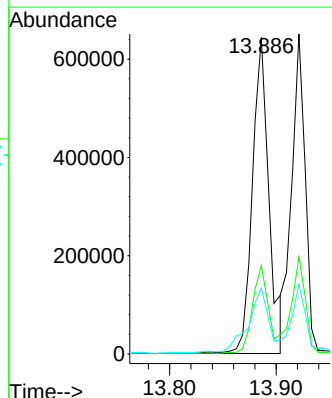
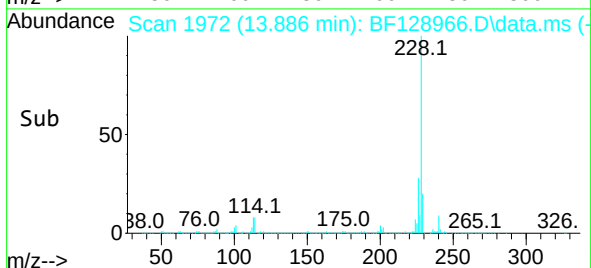
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

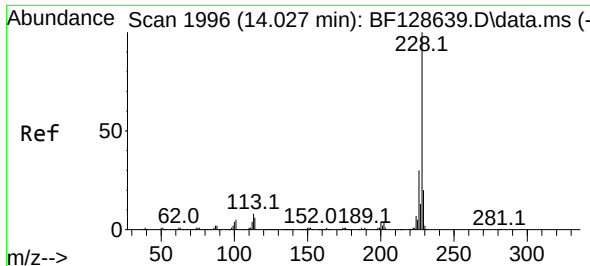


#81
 Benzo(a)anthracene
 Concen: 55.797 ng
 RT: 13.886 min Scan# 1972
 Delta R.T. -0.000 min
 Lab File: BF128966.D
 Acq: 23 Jun 2022 22:04



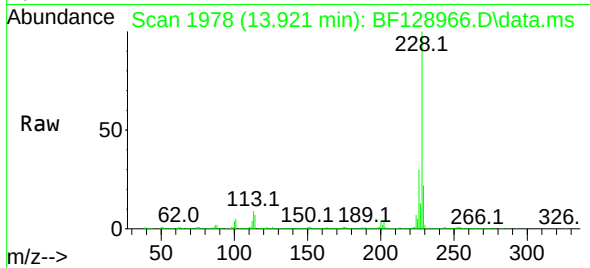
Tgt Ion:228 Resp: 691904
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.1 33.1
 229 20.8 15.8 23.8





#83
Chrysene
Concen: 48.762 ng
RT: 13.921 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

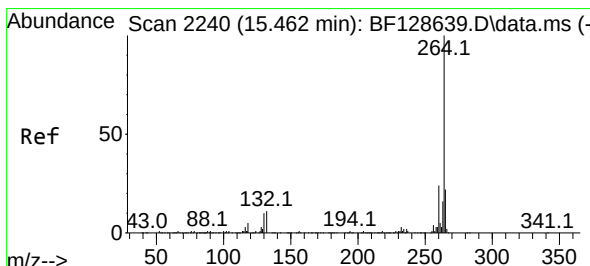
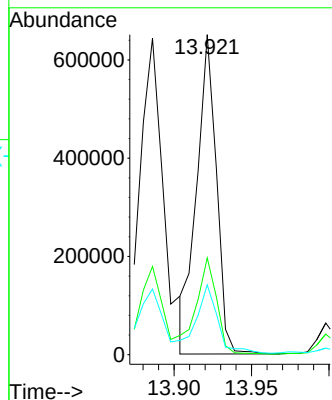
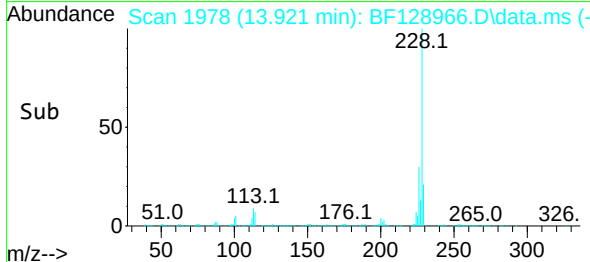
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22



Tgt Ion:228 Resp: 57648
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 21.8 15.9 23.9

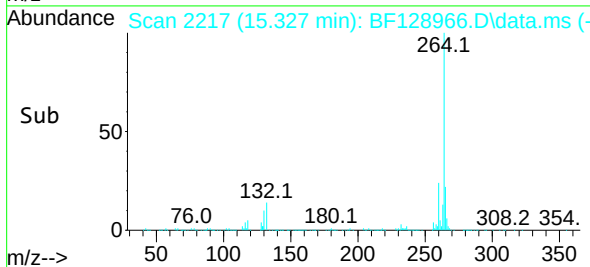
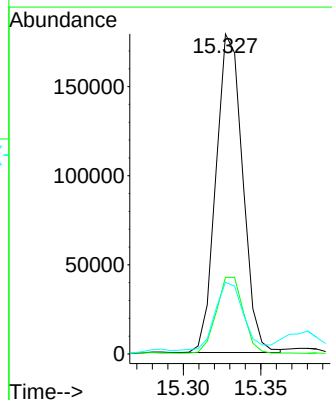
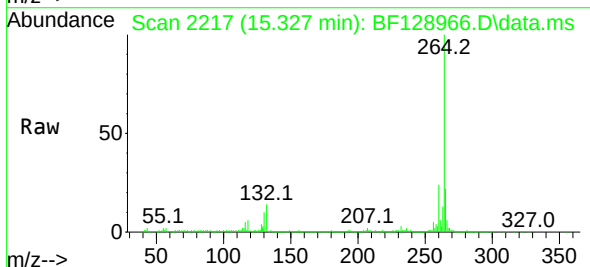
Manual Integrations
APPROVED

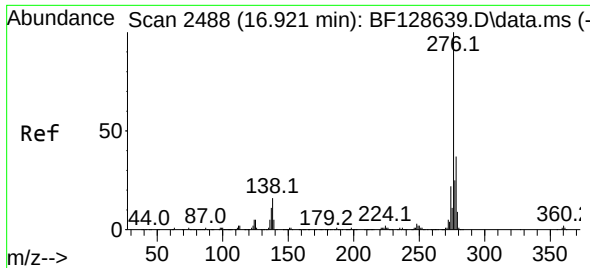
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.327 min Scan# 2217
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

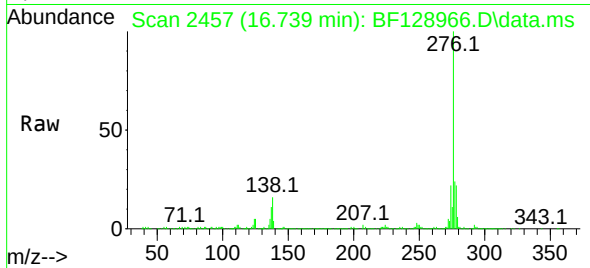
Tgt Ion:264 Resp: 214521
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 22.4 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 24.025 ng
RT: 16.739 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

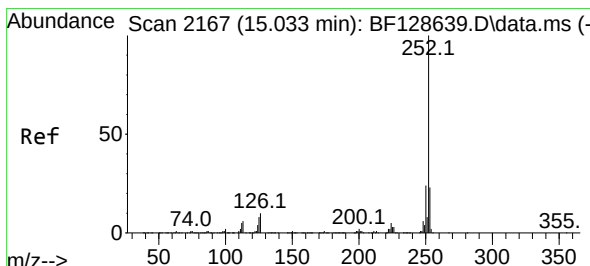
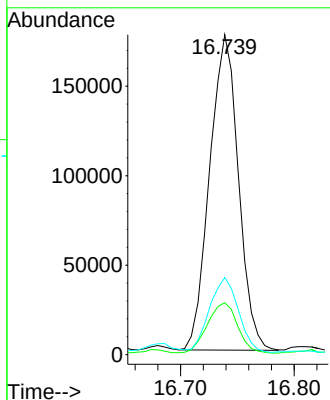
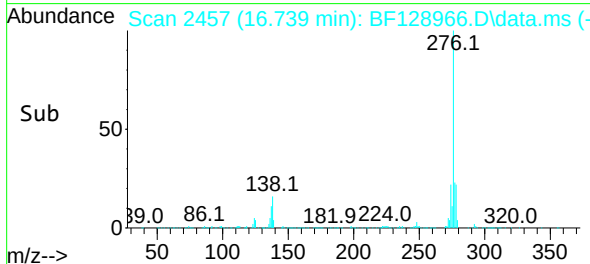
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22



Tgt Ion:276 Resp: 31064
Ion Ratio Lower Upper
276 100
138 17.2 21.1 31.7
277 24.0 20.3 30.5

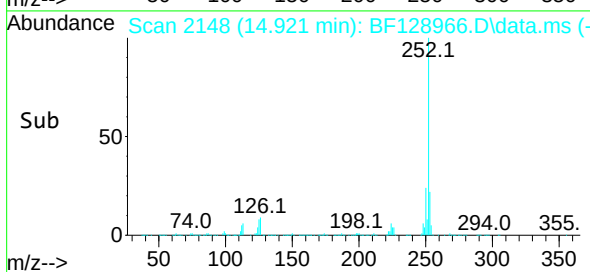
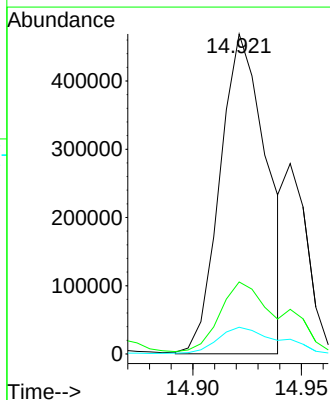
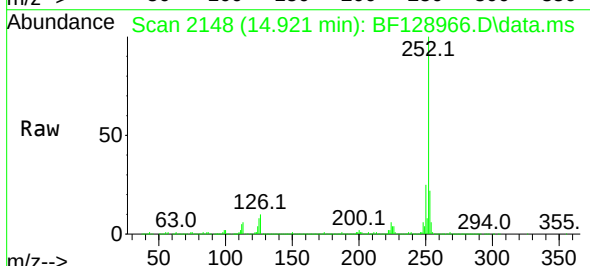
Manual Integrations
APPROVED

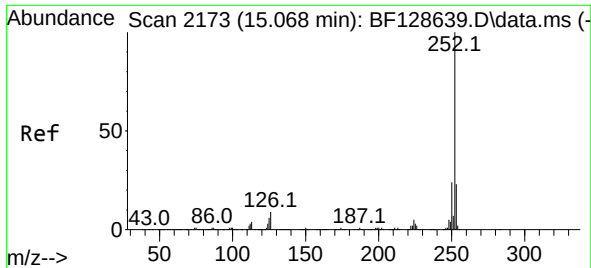
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#88
Benzo(b)fluoranthene
Concen: 51.130 ng m
RT: 14.921 min Scan# 2148
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

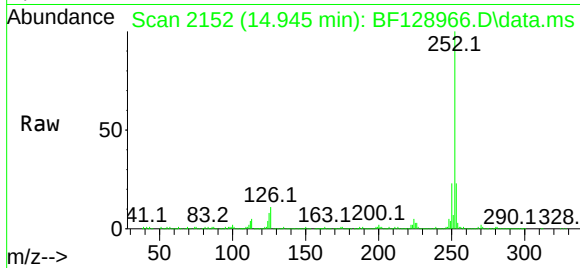
Tgt Ion:252 Resp: 700873
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 8.4 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 15.871 ng m
RT: 14.945 min Scan# 2173
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

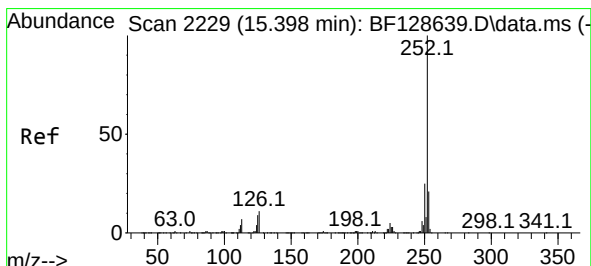
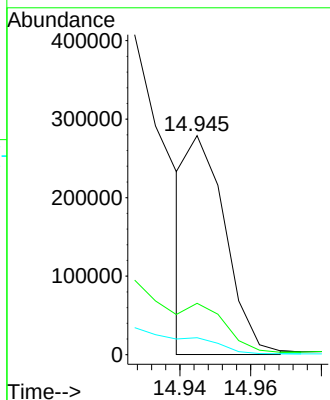
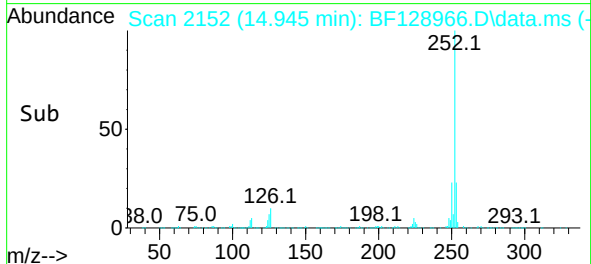
Instrument :
BNA_F
ClientSampleId :
QA-QC-COMP-XRDS010-22



Tgt Ion:252 Resp: 20465
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 7.8 8.3 12.5

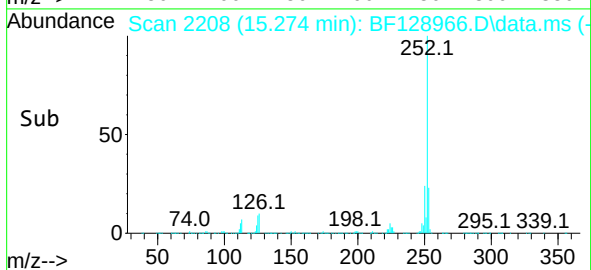
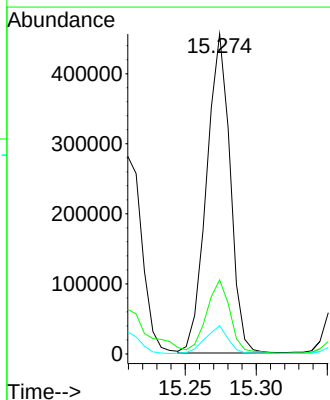
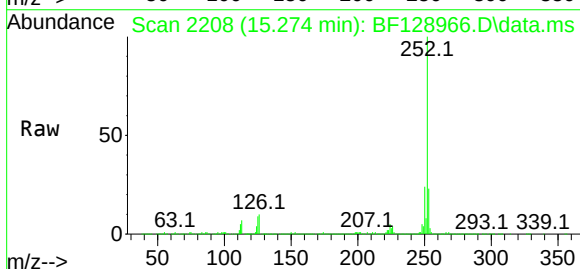
Manual Integrations
APPROVED

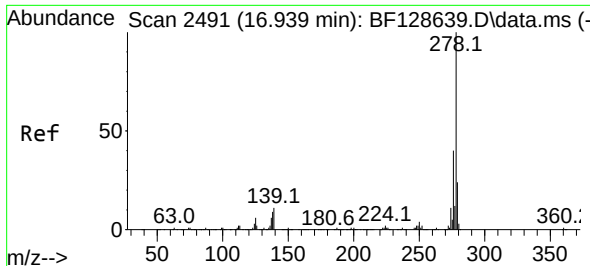
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#90
Benzo(a)pyrene
Concen: 48.846 ng
RT: 15.274 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

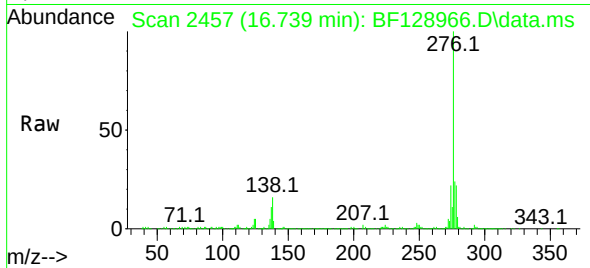
Tgt Ion:252 Resp: 526248
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 8.9 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 7.810 ng
RT: 16.739 min Scan# 2491
Delta R.T. -0.012 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

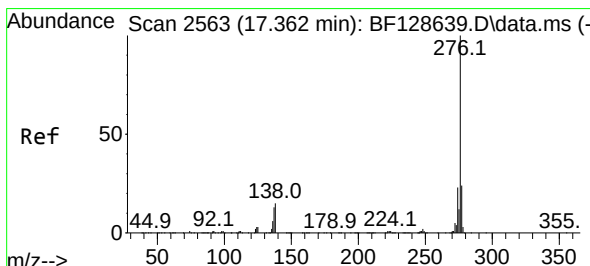
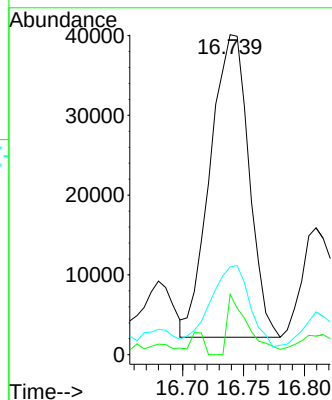
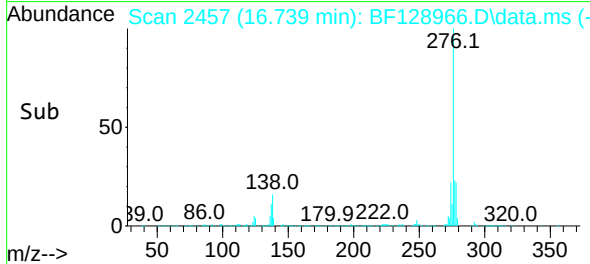
Instrument : BNA_F
ClientSampleId : QA-QC-COMP-XRDS010-22



Tgt Ion: 278 Resp: 8376
Ion Ratio Lower Upper
278 100
139 18.8 12.8 19.2
279 27.4 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: 28.424 ng
RT: 17.162 min Scan# 2529
Delta R.T. -0.006 min
Lab File: BF128966.D
Acq: 23 Jun 2022 22:04

Tgt Ion: 276 Resp: 302133
Ion Ratio Lower Upper
276 100
277 24.8 19.1 28.7
138 17.1 18.0 27.0#

