

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
 Data File : BF128709.D
 Acq On : 06 Jun 2022 21:25
 Operator : CG\JU
 Sample : N3197-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/07/2022
 Supervised By : Jagrut Upadhyay 06/07/2022

Quant Time: Jun 07 02:44:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	52846	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	173818	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	91794	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	185315	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	120474	20.000	ng	0.02
86) Perylene-d12	15.498	264	95670	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	252311	76.049	ng	0.00
7) Phenol-d6	6.492	99	288520	71.242	ng	0.00
23) Nitrobenzene-d5	7.386	82	197869	53.001	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	81432	75.081	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	325878	49.730	ng	-0.01
79) Terphenyl-d14	12.951	244	373084	53.811	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	70405	7.893	ng	99
37) 2-Methylnaphthalene	8.822	142	33535	5.910	ng	97
38) 1-Methylnaphthalene	8.922	142	28696	5.235	ng	97
49) Acenaphthylene	9.727	152	67482	8.387	ng	98
52) Acenaphthene	9.898	154	188541	35.984	ng	99
55) Dibenzofuran	10.069	168	148963	19.782	ng	91
58) Fluorene	10.416	166	247423m	42.369	ng	
71) Phenanthrene	11.392	178	2896885	311.660	ng	99
72) Anthracene	11.439	178	1184591	128.759	ng	100
73) Carbazole	11.592	167	132576	15.515	ng	99
75) Fluoranthene	12.610	202	6524724	671.540	ng	96
78) Pyrene	12.839	202	5656318	631.059	ng	97
81) Benzo(a)anthracene	14.015	228	2640395	351.604	ng	97
83) Chrysene	14.057	228	2094705m	292.580	ng	
87) Indeno(1,2,3-cd)pyrene	16.998	276	1009004	174.983	ng	# 88
88) Benzo(b)fluoranthene	15.080	252	2662981m	435.612	ng	
89) Benzo(k)fluoranthene	15.104	252	569517m	99.035	ng	
90) Benzo(a)pyrene	15.457	252	1732473	360.575	ng	95
91) Dibenzo(a,h)anthracene	16.998	278	230829m	48.260	ng	
92) Benzo(g,h,i)perylene	17.451	276	893750	188.540	ng	# 93

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

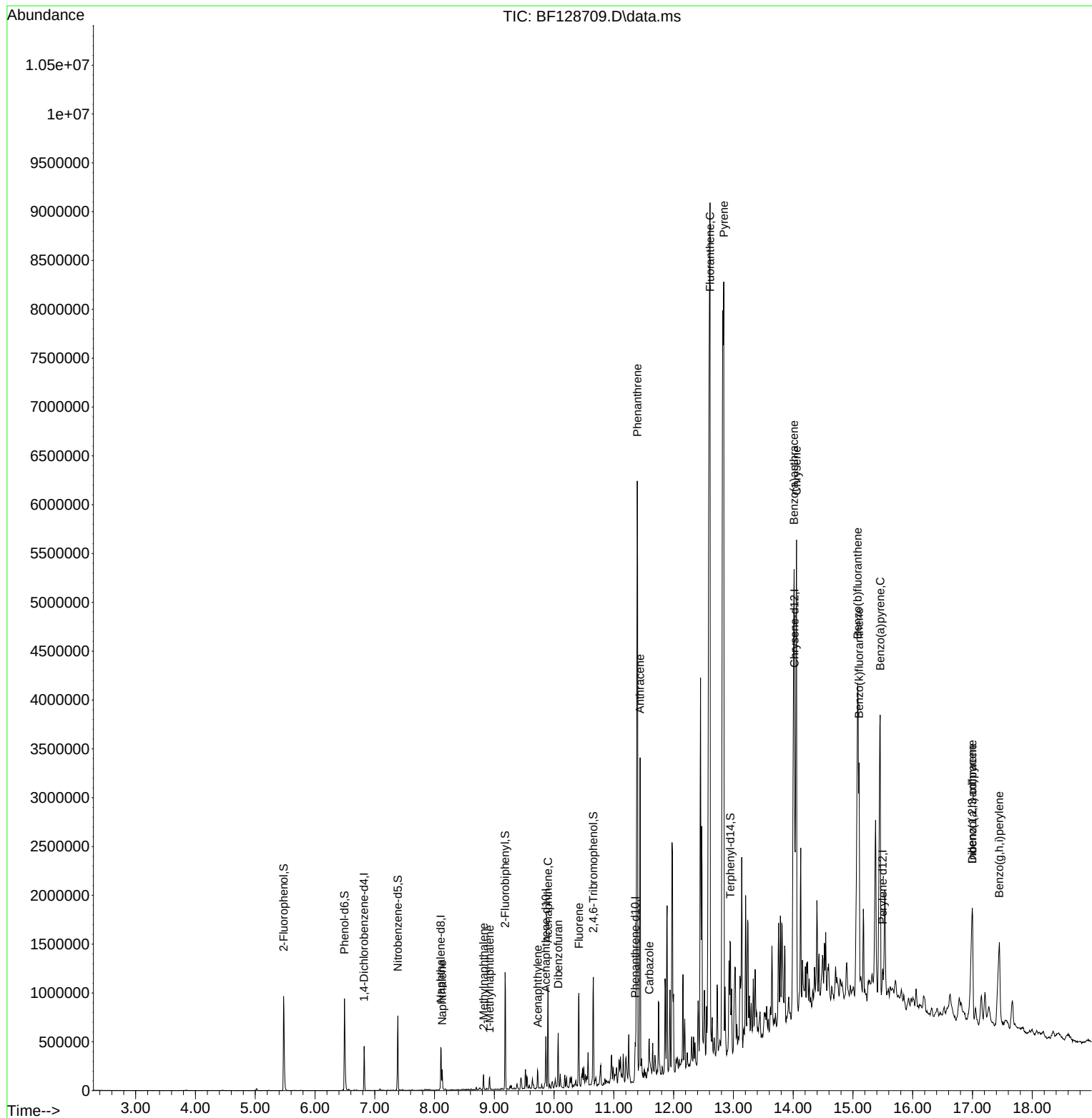
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
Data File : BF128709.D
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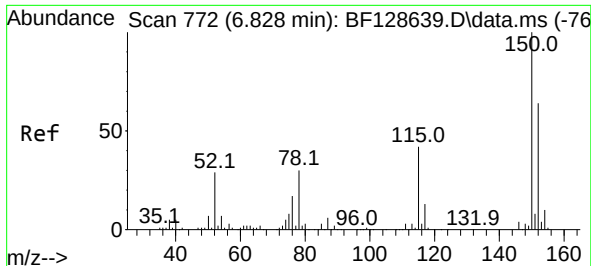
Instrument :
BNA_F
ClientSampleId :
SU-3-060322

Quant Time: Jun 07 02:44:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 02 17:07:23 2022
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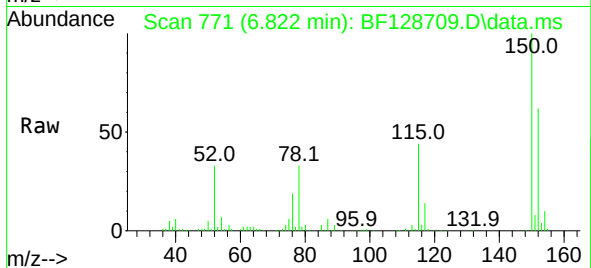
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

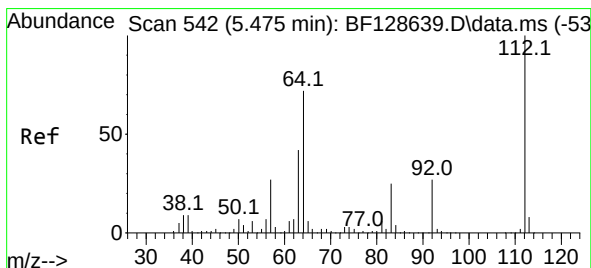
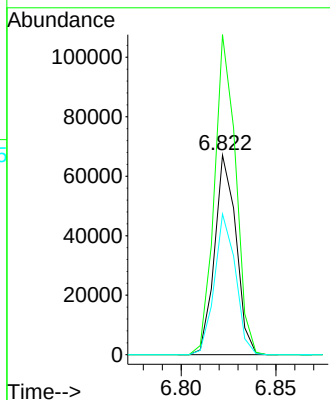
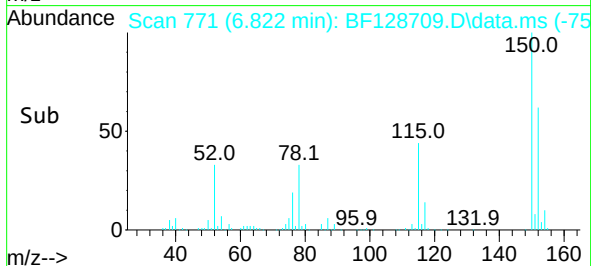
Instrument :
BNA_F
ClientSampleId :
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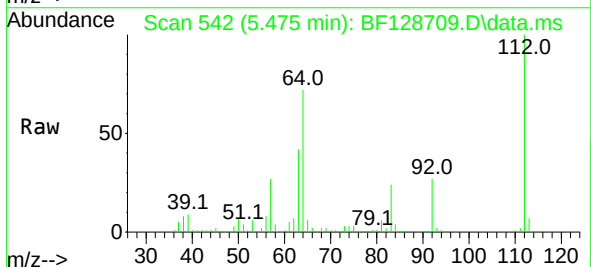
Tgt Ion:152 Resp: 52840
Ion Ratio Lower Upper
152 100
150 160.4 123.7 185.5
115 70.5 49.9 74.9

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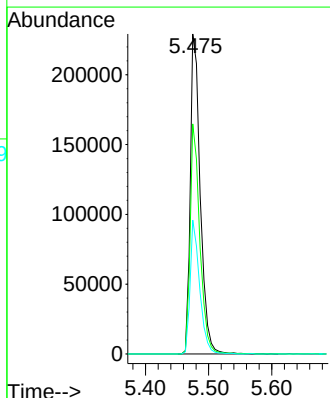
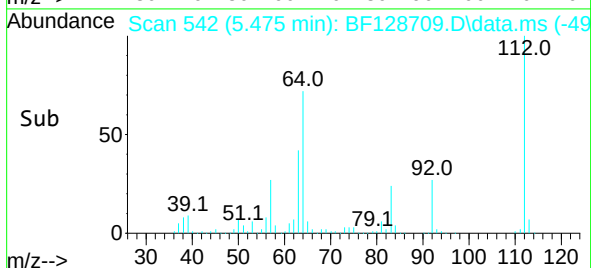
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

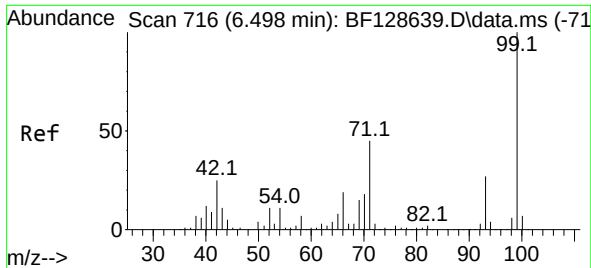


#5
2-Fluorophenol
Concen: 76.049 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25



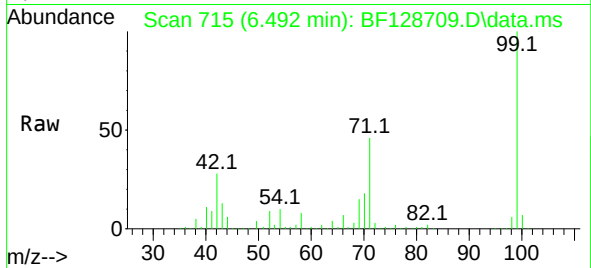
Tgt Ion:112 Resp: 252311
Ion Ratio Lower Upper
112 100
64 71.9 53.3 79.9
63 41.8 28.0 42.0





#7
Phenol-d6
Concen: 71.242 ng
RT: 6.492 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

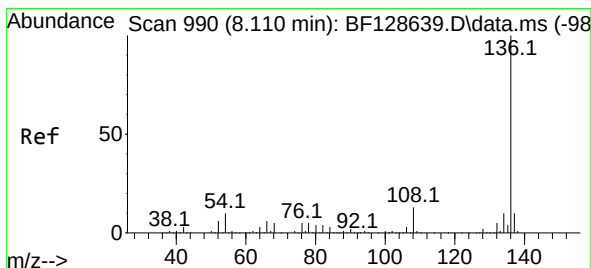
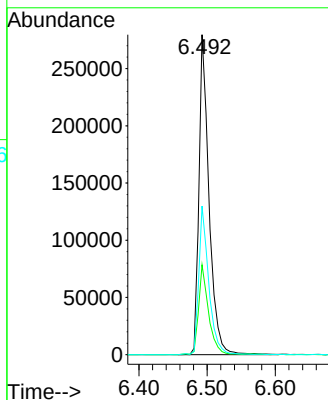
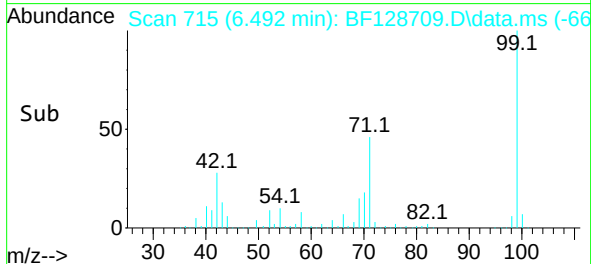
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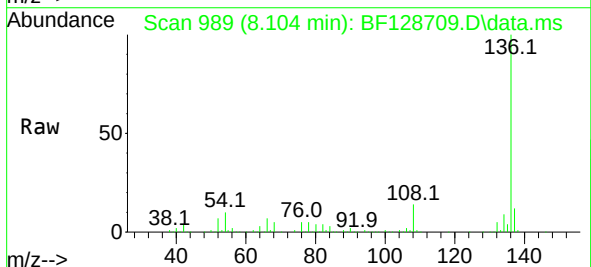
Tgt Ion: 99 Resp: 288520
Ion Ratio Lower Upper
99 100
42 28.1 17.3 25.9
71 46.5 28.9 43.3

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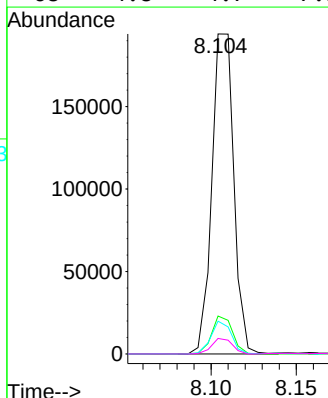
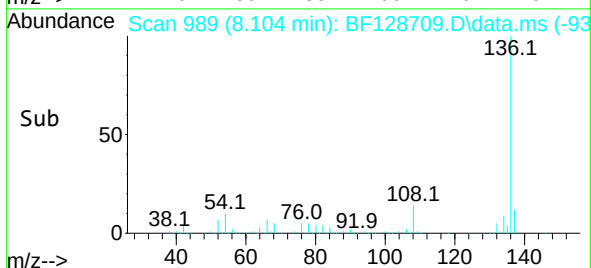
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

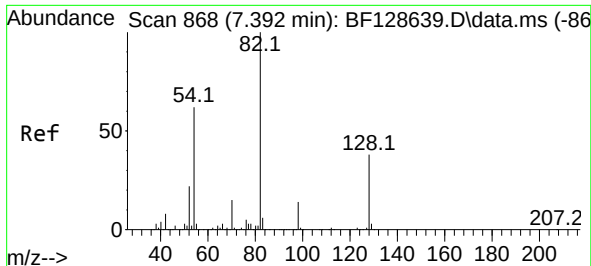


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25



Tgt Ion:136 Resp: 173818
Ion Ratio Lower Upper
136 100
137 11.8 8.8 13.2
54 10.2 7.5 11.3
68 4.8 4.7 7.1





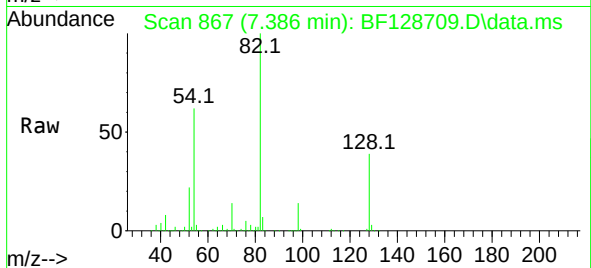
#23
Nitrobenzene-d5
Concen: 53.001 ng
RT: 7.386 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Instrument :

BNA_F

ClientSampleId :

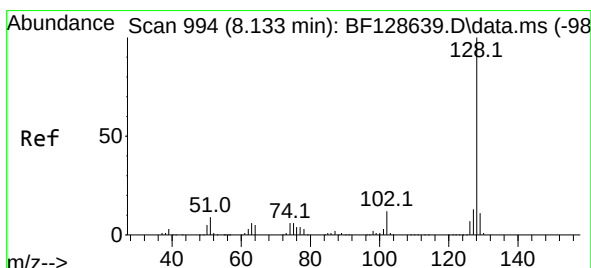
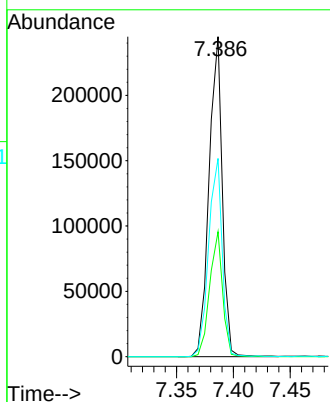
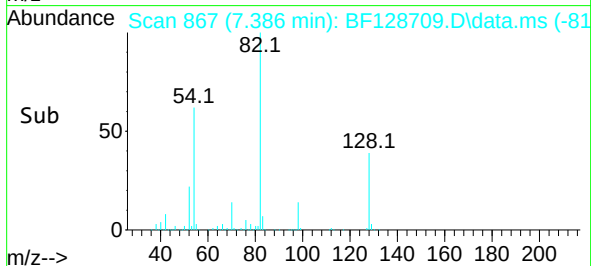
SU-3-060322



Tgt Ion: 82 Resp: 197869
Ion Ratio Lower Upper
82 100
128 39.1 34.0 51.0
54 62.0 46.9 70.3

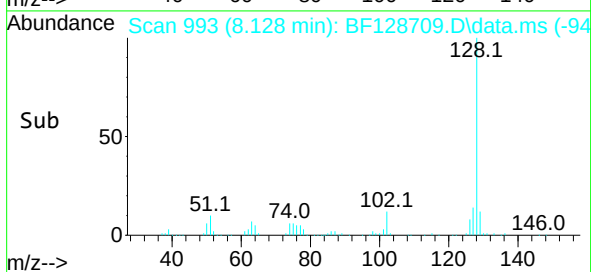
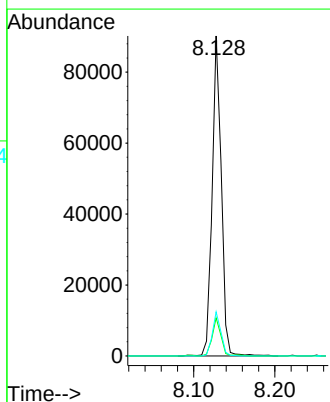
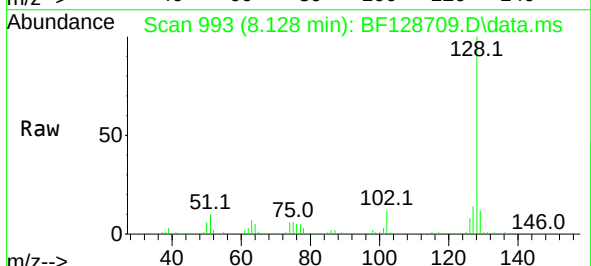
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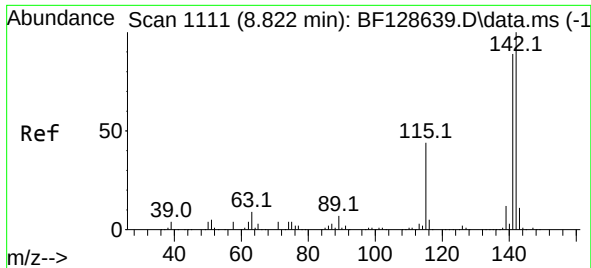
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#31
Naphthalene
Concen: 7.893 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Tgt Ion:128 Resp: 70405
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 13.8 10.5 15.7





#37

2-Methylnaphthalene

Concen: 5.910 ng

RT: 8.822 min Scan# 1111

Delta R.T. -0.000 min

Lab File: BF128709.D

Acq: 06 Jun 2022 21:25

Instrument :

BNA_F

ClientSampleId :

SU-3-060322

Tgt Ion:142 Resp: 3353

Ion Ratio Lower Upper

142 100

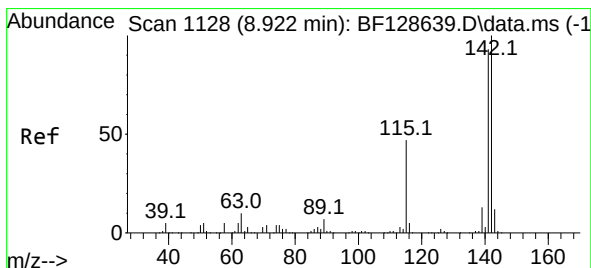
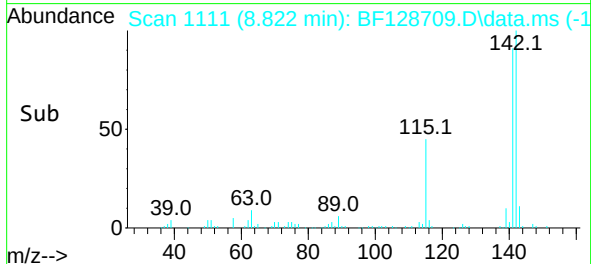
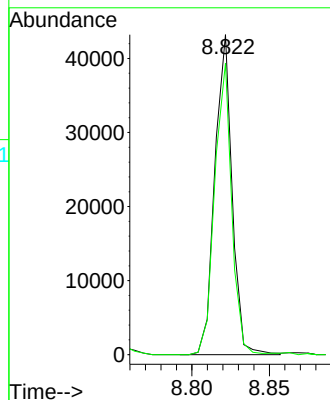
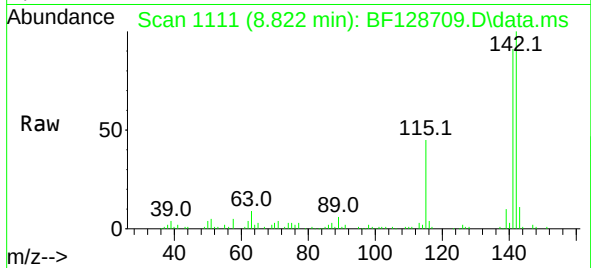
141 91.1 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#38

1-Methylnaphthalene

Concen: 5.235 ng

RT: 8.922 min Scan# 1128

Delta R.T. -0.000 min

Lab File: BF128709.D

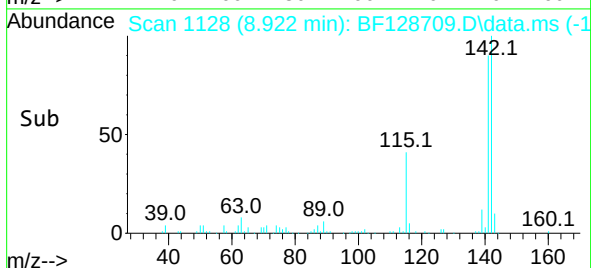
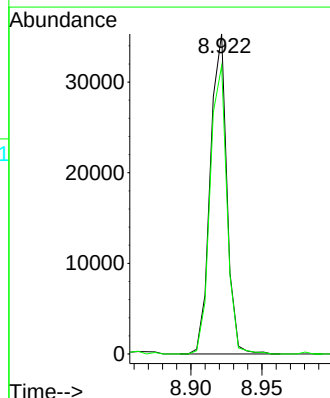
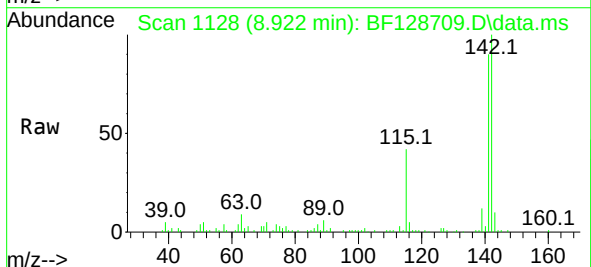
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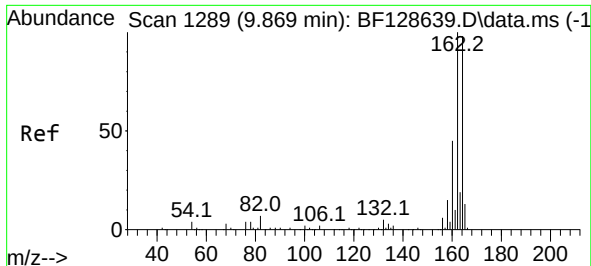
Tgt Ion:142 Resp: 28696

Ion Ratio Lower Upper

142 100

141 90.0 74.2 111.4





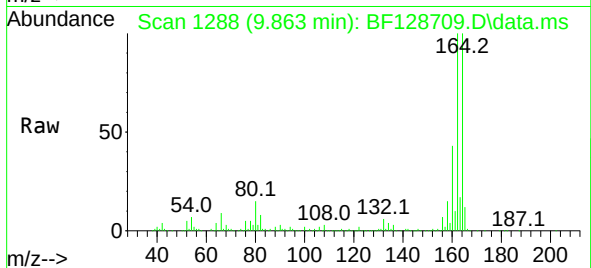
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Instrument :

BNA_F

ClientSampleId :

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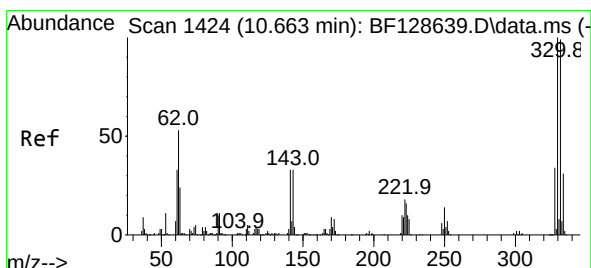
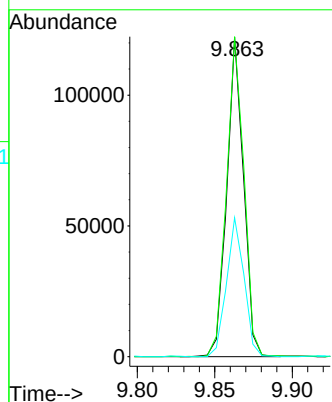
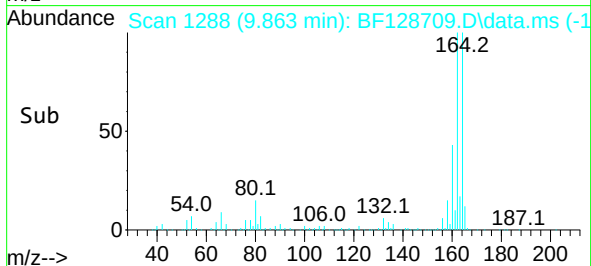


Tgt Ion:164 Resp: 91794
Ion Ratio Lower Upper
164 100
162 100.1 79.5 119.3
160 43.4 34.2 51.4

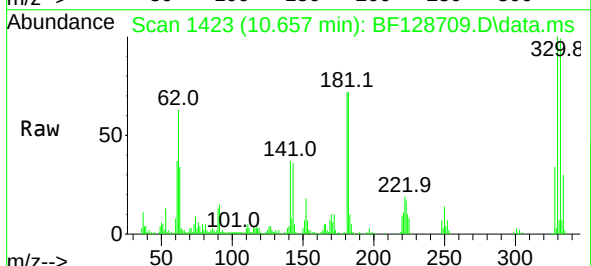
Manual Integrations

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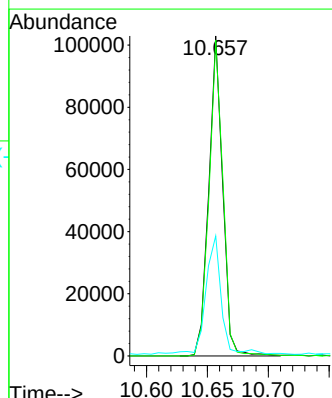
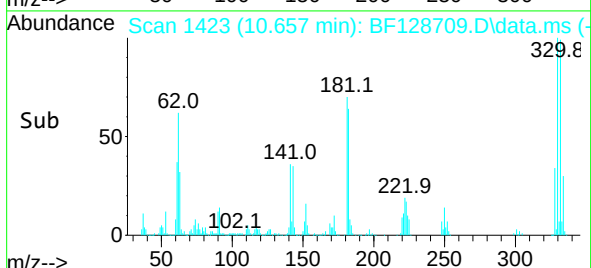
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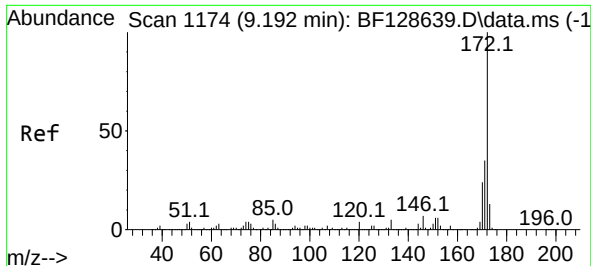


#42
2,4,6-Tribromophenol
Concen: 75.081 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25



Tgt Ion:330 Resp: 81432
Ion Ratio Lower Upper
330 100
332 99.3 76.8 115.2
141 42.2 28.0 42.0#





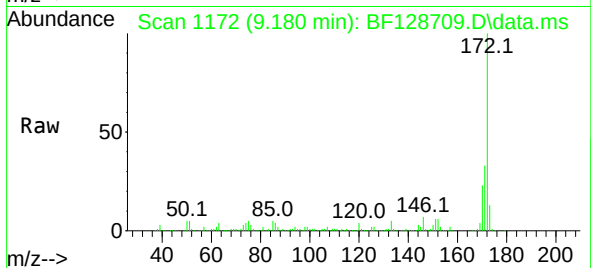
#45
2-Fluorobiphenyl
Concen: 49.730 ng
RT: 9.180 min Scan# 1172
Delta R.T. -0.012 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Instrument :

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SU-3-060322

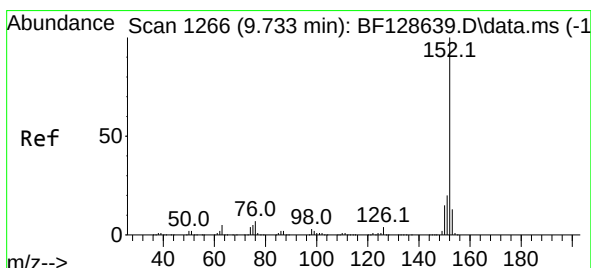
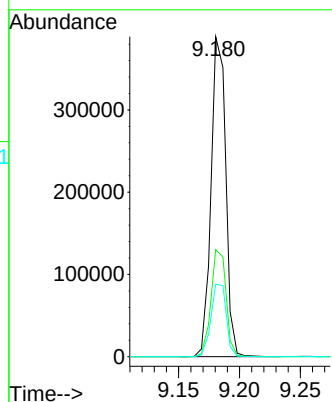
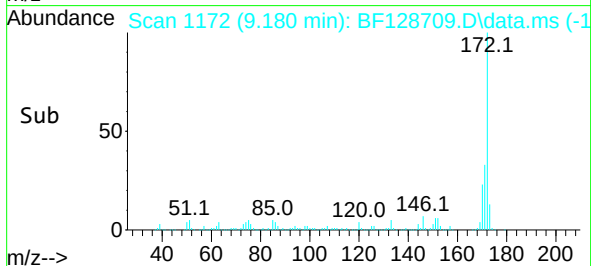


Tgt Ion:172 Resp: 325878
Ion Ratio Lower Upper
172 100
171 33.5 28.8 43.2
170 22.6 19.8 29.8

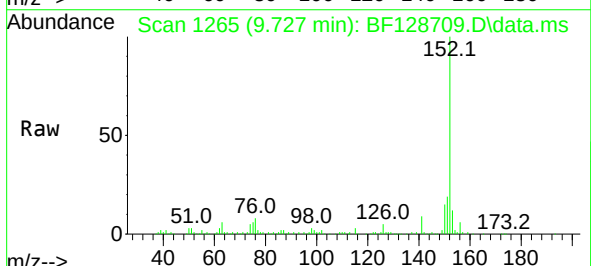
Manual Integrations

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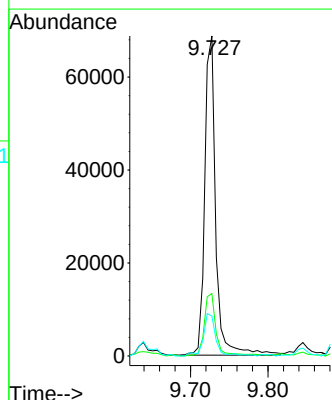
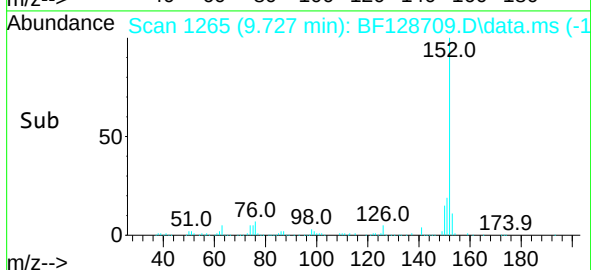
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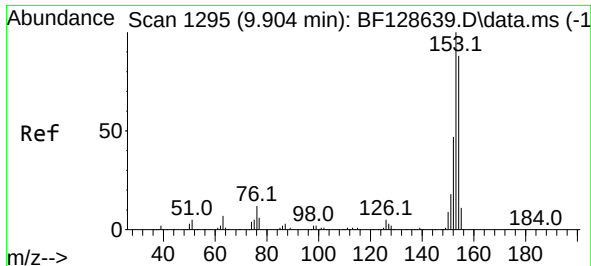


#49
Acenaphthylene
Concen: 8.387 ng
RT: 9.727 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25



Tgt Ion:152 Resp: 67482
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.4
153 12.5 10.7 16.1





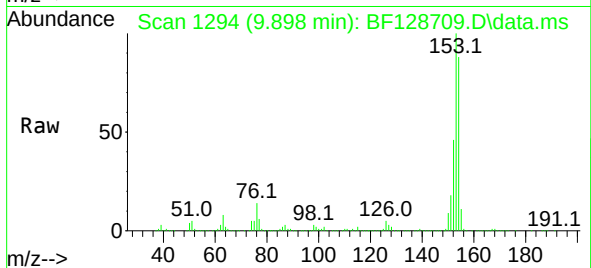
#52
Acenaphthene
Concen: 35.984 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

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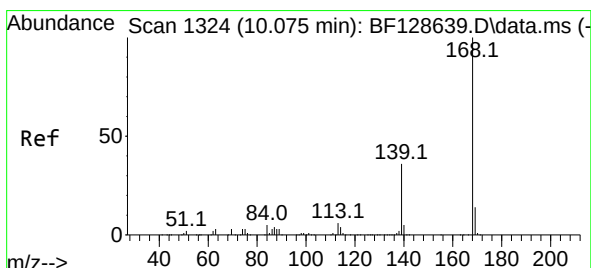
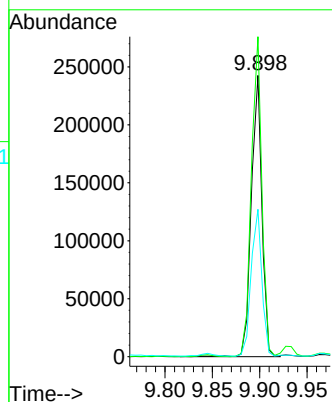
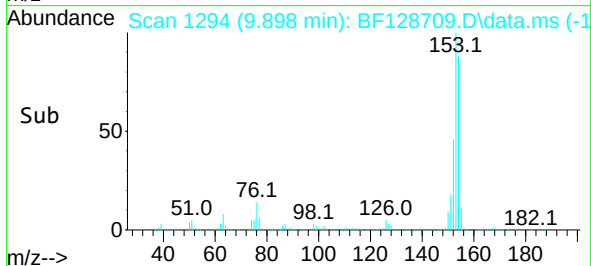


Tgt Ion:154 Resp: 18854
Ion Ratio Lower Upper
154 100
153 113.7 89.6 134.4
152 52.4 42.4 63.6

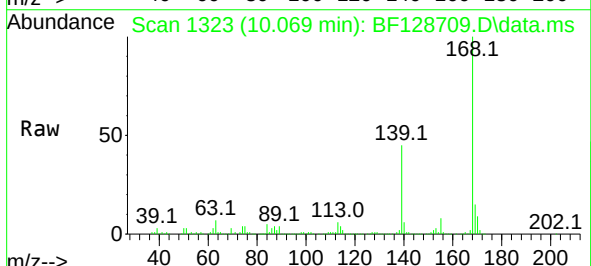
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APPROVED

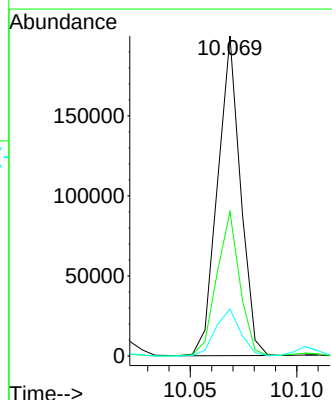
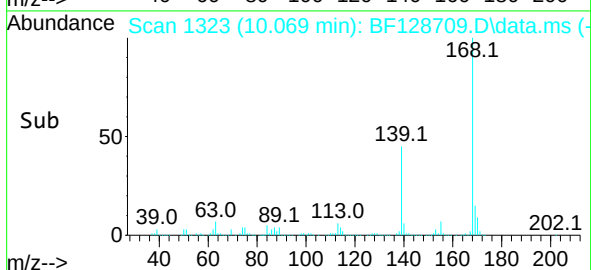
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

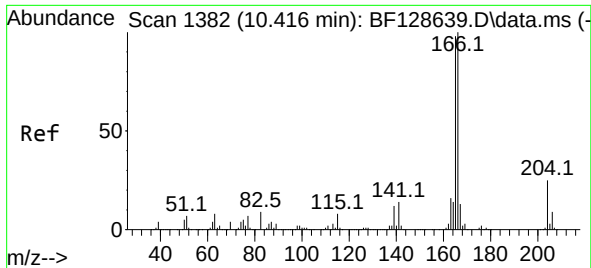


#55
Dibenzofuran
Concen: 19.782 ng
RT: 10.069 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25



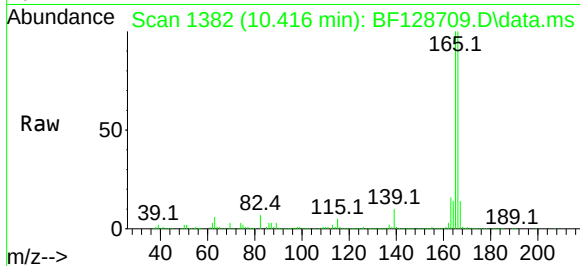
Tgt Ion:168 Resp: 148963
Ion Ratio Lower Upper
168 100
139 45.1 30.6 46.0
169 14.7 11.0 16.6





#58
Fluorene
Concen: 42.369 ng m
RT: 10.416 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

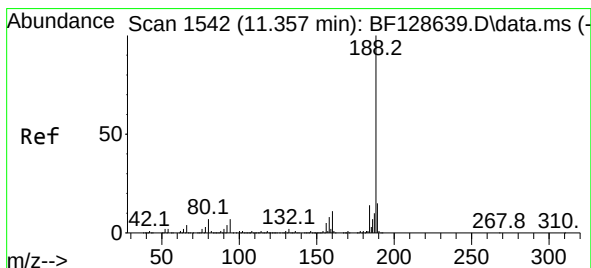
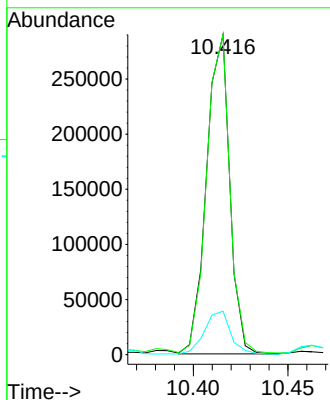
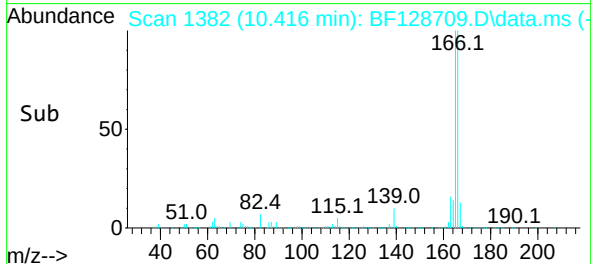
Instrument :
BNA_F
ClientSampleId :
SU-3-060322



Tgt Ion:166 Resp: 24742
Ion Ratio Lower Upper
166 100
165 99.9 78.1 117.1
167 13.6 10.5 15.7

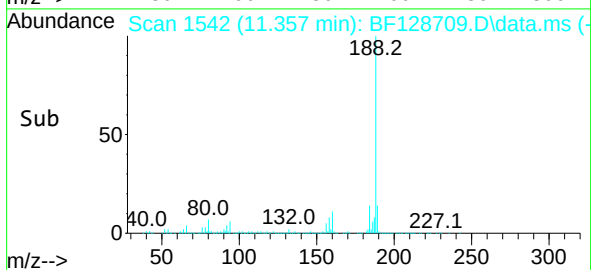
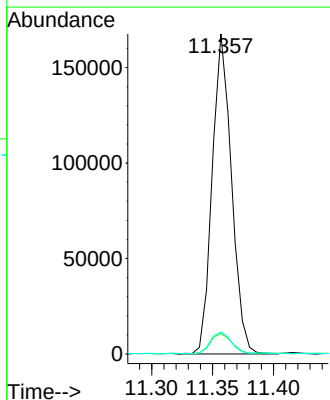
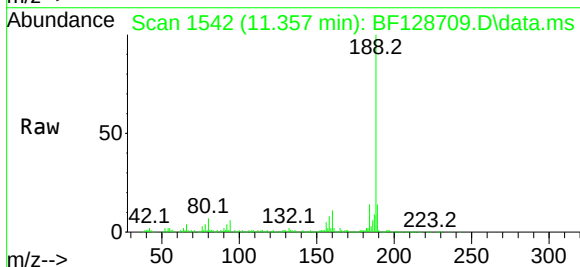
Manual Integrations
APPROVED

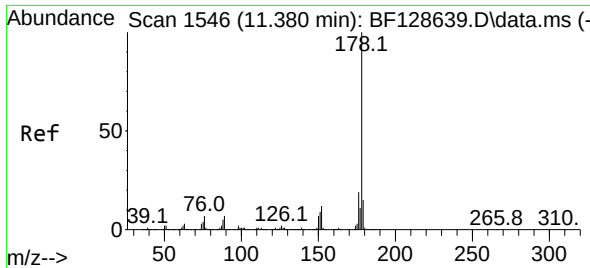
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1542
Delta R.T. -0.000 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

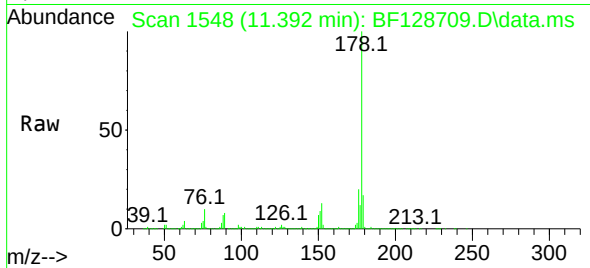
Tgt Ion:188 Resp: 185315
Ion Ratio Lower Upper
188 100
94 6.4 7.0 10.6#
80 6.9 7.6 11.4#





#71
Phenanthrene
Concen: 311.660 ng
RT: 11.392 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

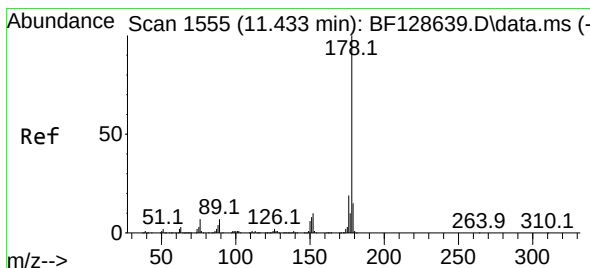
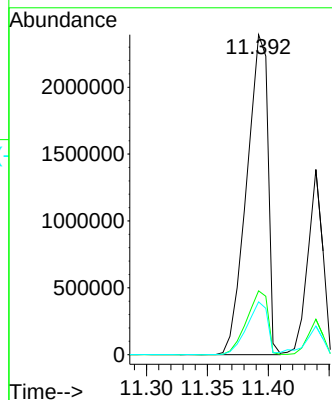
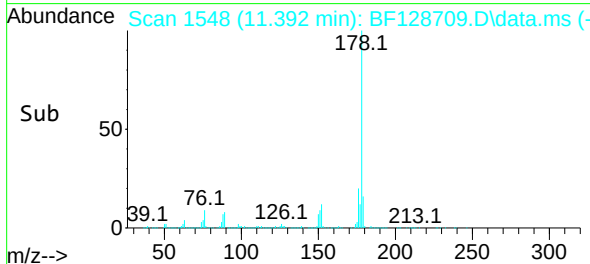
Instrument :
BNA_F
ClientSampleId :
SU-3-060322



Tgt Ion:178 Resp: 289688
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 16.5 12.6 19.0

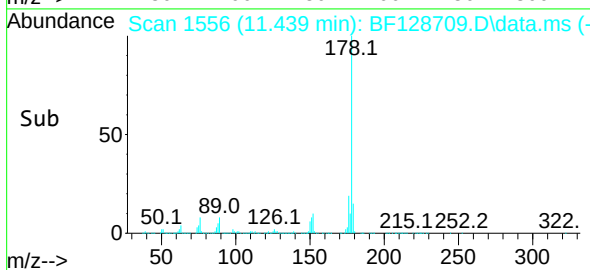
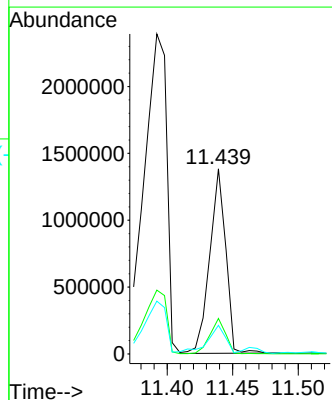
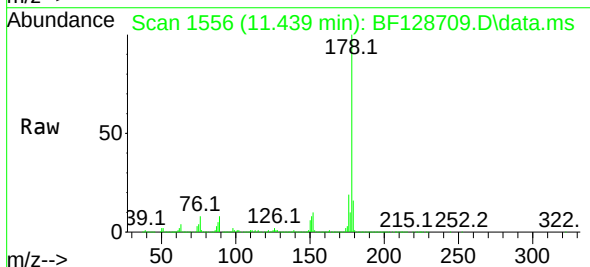
Manual Integrations
APPROVED

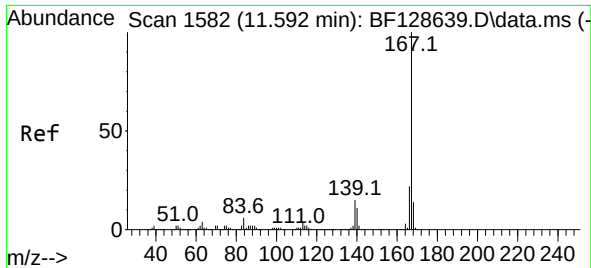
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#72
Anthracene
Concen: 128.759 ng
RT: 11.439 min Scan# 1556
Delta R.T. 0.006 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

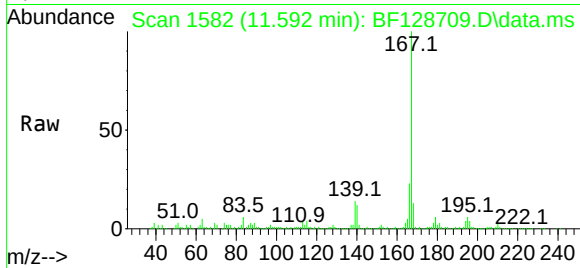
Tgt Ion:178 Resp: 1184591
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.5 12.6 19.0





#73
 Carbazole
 Concen: 15.515 ng
 RT: 11.592 min Scan# 11582
 Delta R.T. -0.000 min
 Lab File: BF128709.D
 Acq: 06 Jun 2022 21:25

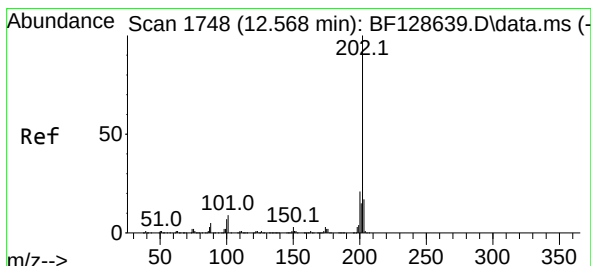
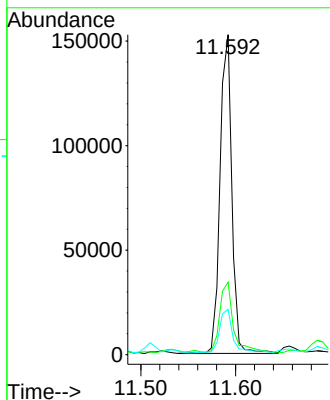
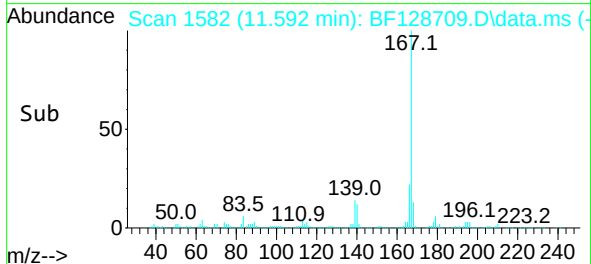
Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322



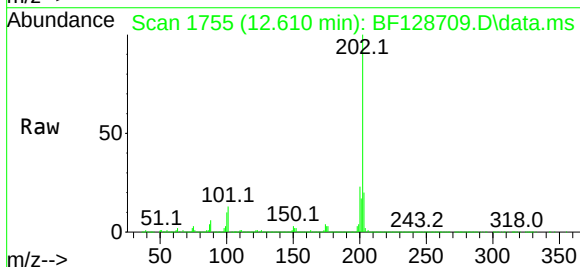
Tgt Ion:167 Resp: 132570
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.7 26.5
 139 14.2 11.2 16.8

Manual Integrations
 APPROVED

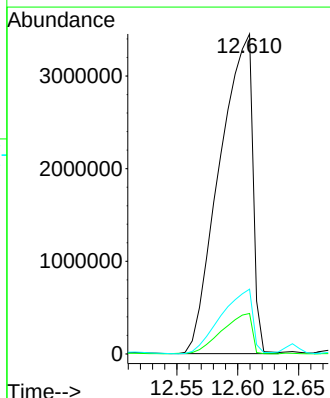
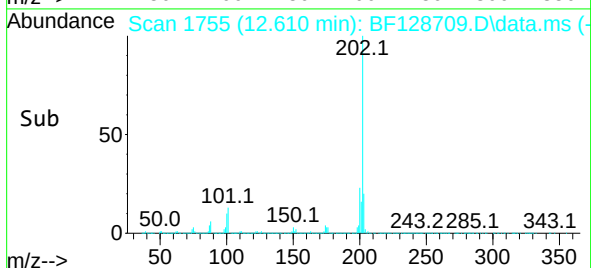
Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022

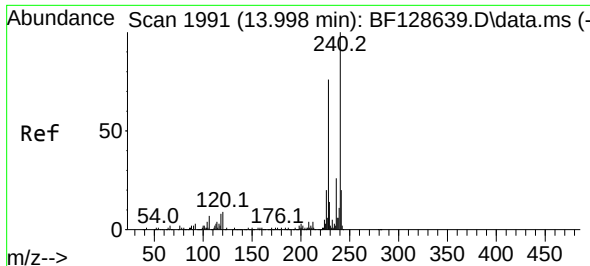


#75
 Fluoranthene
 Concen: 671.540 ng
 RT: 12.610 min Scan# 1755
 Delta R.T. 0.041 min
 Lab File: BF128709.D
 Acq: 06 Jun 2022 21:25



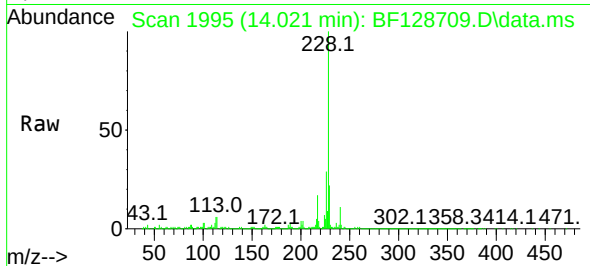
Tgt Ion:202 Resp: 6524724
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.4
 203 20.2 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1400
Delta R.T. 0.023 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

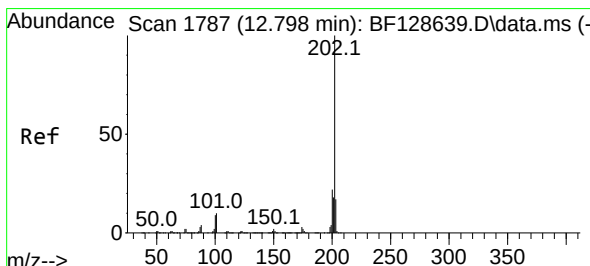
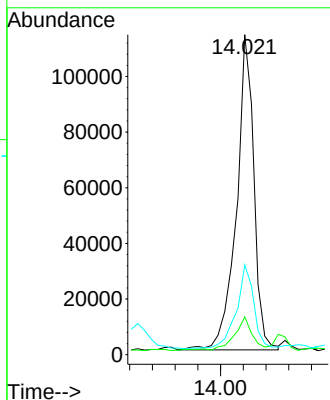
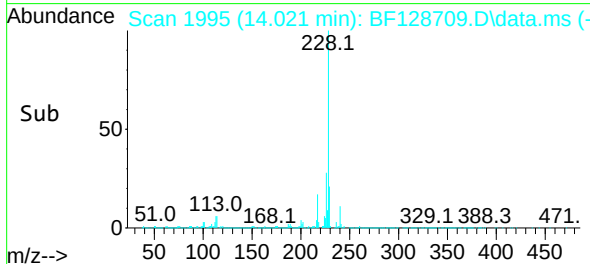
Instrument :
BNA_F
ClientSampleId :
SU-3-060322



Tgt Ion:240 Resp: 120474
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 28.0 20.8 31.2

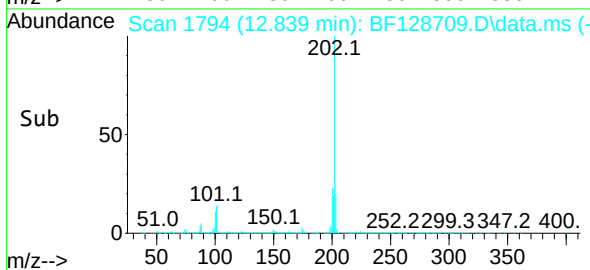
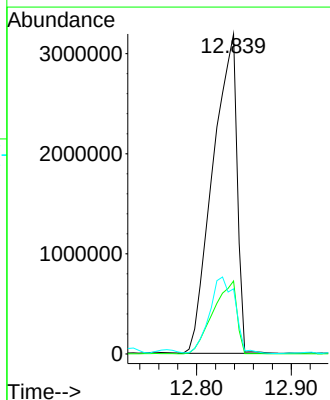
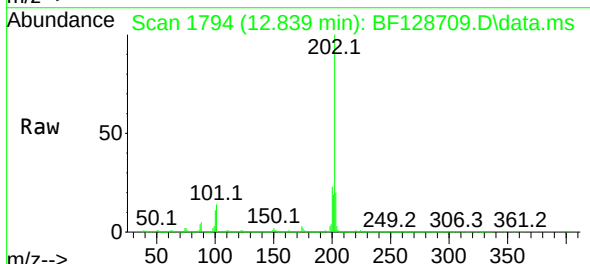
Manual Integrations
APPROVED

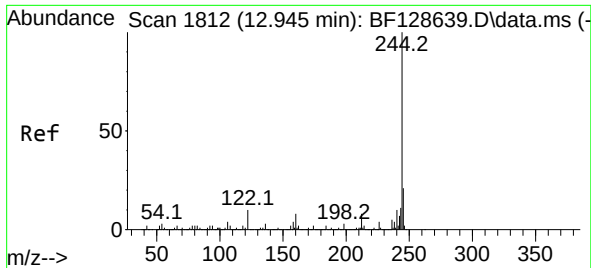
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#78
Pyrene
Concen: 631.059 ng
RT: 12.839 min Scan# 1794
Delta R.T. 0.041 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Tgt Ion:202 Resp: 5656318
Ion Ratio Lower Upper
202 100
200 22.8 17.7 26.5
203 20.4 14.6 21.8





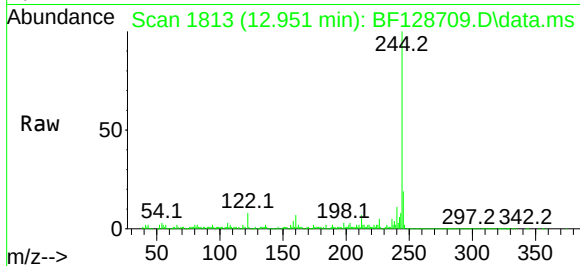
#79
 Terphenyl-d14
 Concen: 53.811 ng
 RT: 12.951 min Scan# 1813
 Delta R.T. 0.006 min
 Lab File: BF128709.D
 Acq: 06 Jun 2022 21:25

Instrument :

BNA_F

ClientSampleId :

SU-3-060322

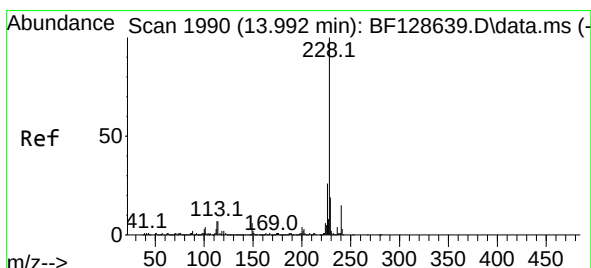
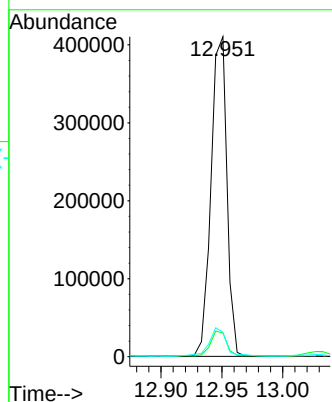
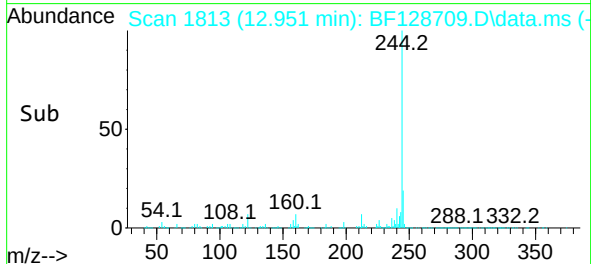


Tgt Ion:244 Resp: 373084
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 7.7 8.8 13.2

Manual Integrations

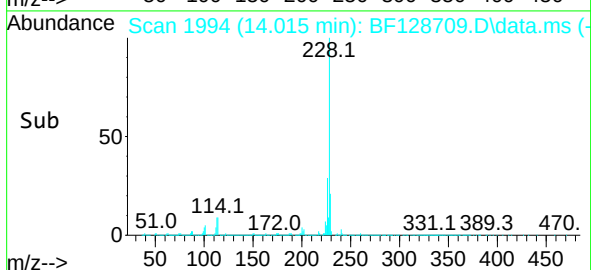
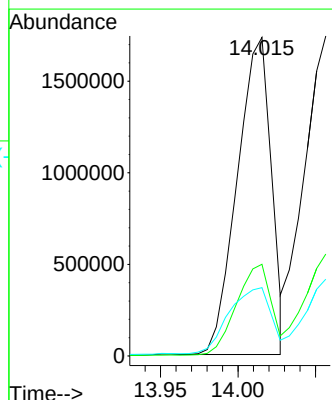
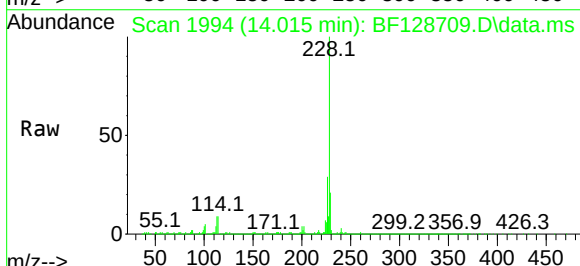
APPROVED

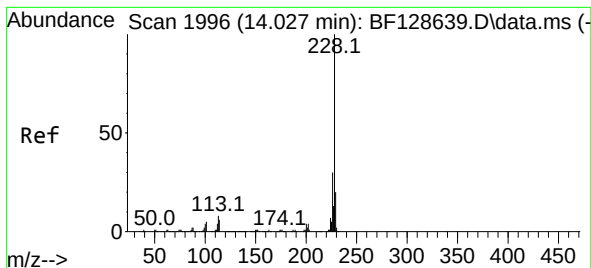
Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022



#81
 Benzo(a)anthracene
 Concen: 351.604 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. 0.024 min
 Lab File: BF128709.D
 Acq: 06 Jun 2022 21:25

Tgt Ion:228 Resp: 2640395
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.1 33.1
 229 21.4 15.8 23.8





#83

Chrysene

Concen: 292.580 ng m

RT: 14.057 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF128709.D

Acq: 06 Jun 2022 21:25

Instrument :

BNA_F

ClientSampleId :

SU-3-060322

Tgt Ion:228 Resp: 209470

Ion Ratio Lower Upper

228 100

226 31.9 24.3 36.5

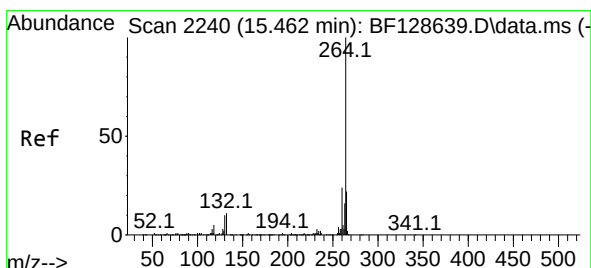
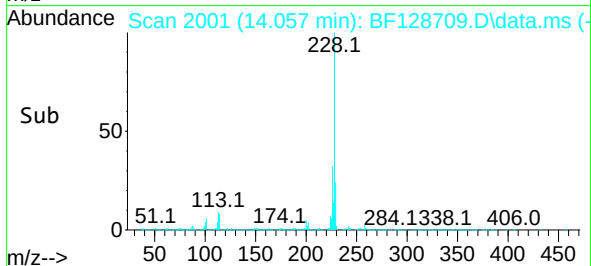
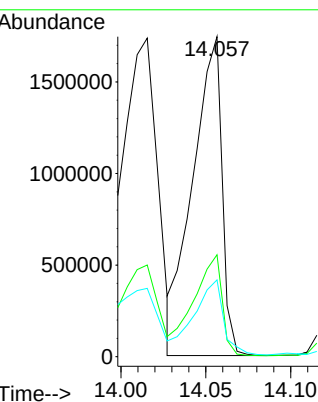
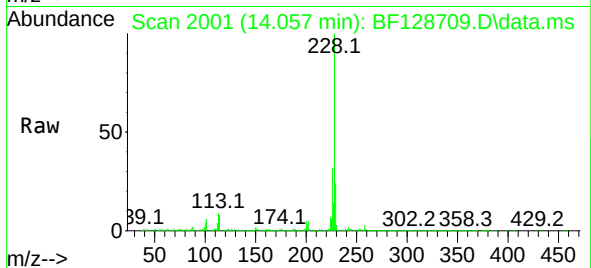
229 24.0 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2246

Delta R.T. 0.036 min

Lab File: BF128709.D

Acq: 06 Jun 2022 21:25

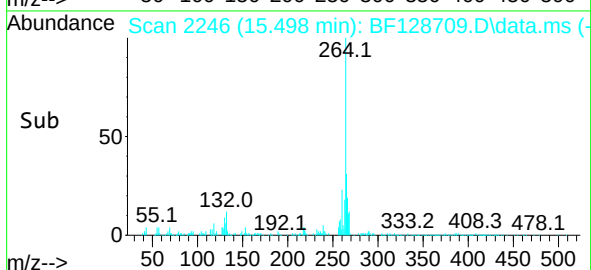
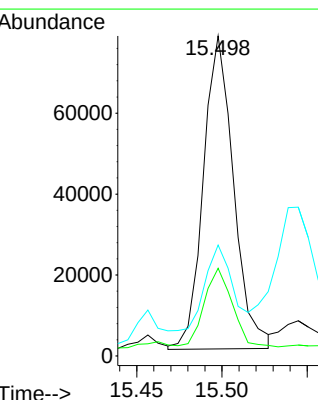
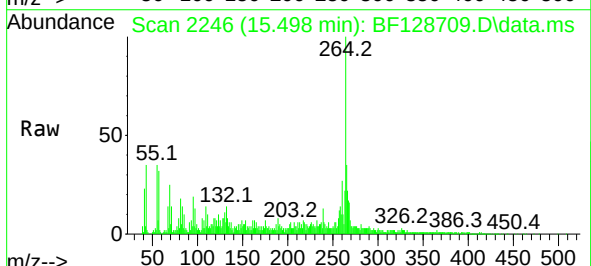
Tgt Ion:264 Resp: 95670

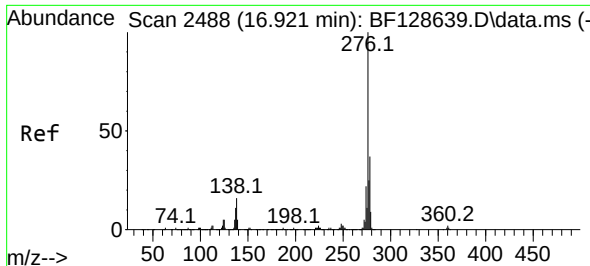
Ion Ratio Lower Upper

264 100

260 27.4 18.4 27.6

265 34.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 174.983 ng
RT: 16.998 min Scan# 2175
Delta R.T. 0.076 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Instrument :

BNA_F

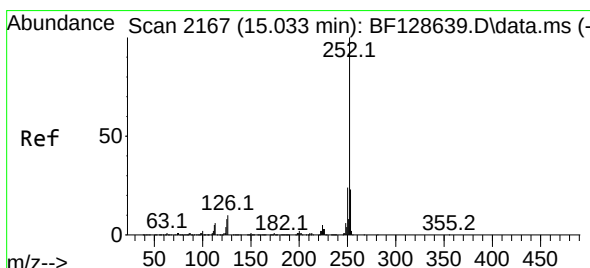
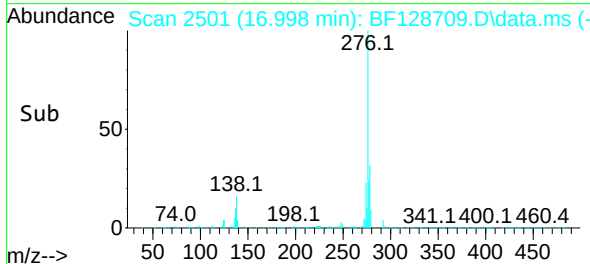
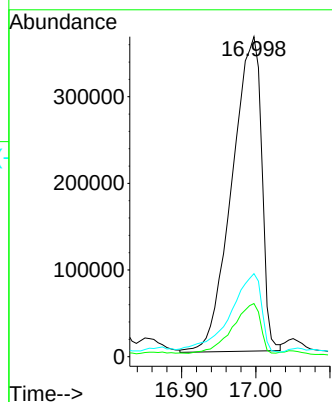
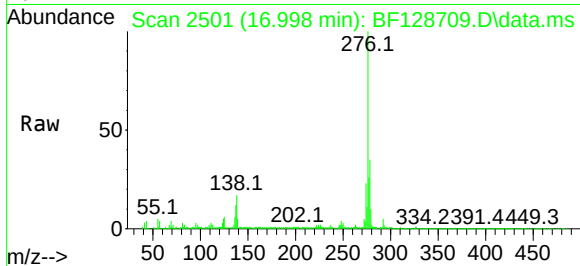
ClientSampleId :

SU-3-060322

Tgt Ion:276 Resp: 1009004
Ion Ratio Lower Upper
276 100
138 15.1 21.1 31.7
277 26.4 20.3 30.5

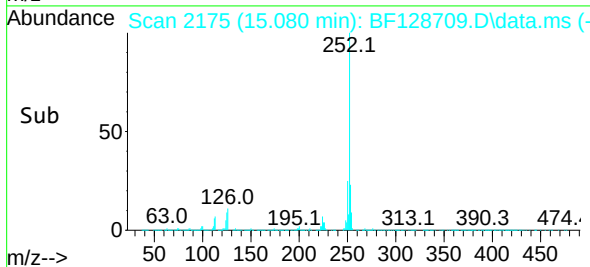
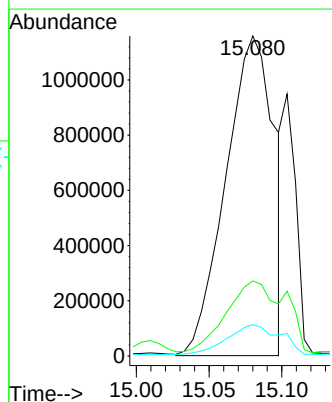
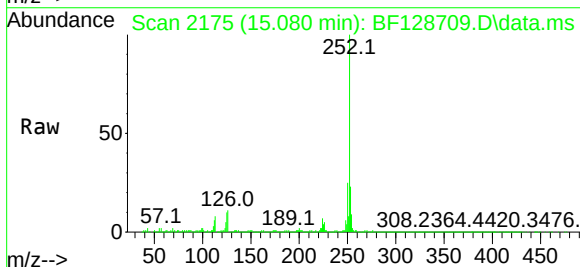
Manual Integrations
APPROVED

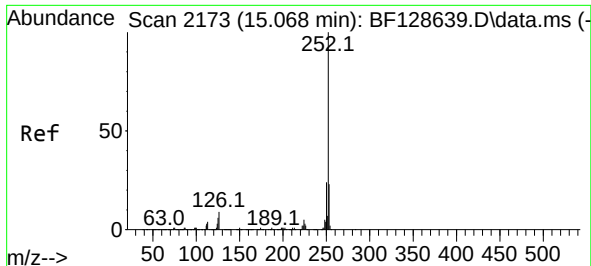
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#88
Benzo(b)fluoranthene
Concen: 435.612 ng m
RT: 15.080 min Scan# 2175
Delta R.T. 0.047 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

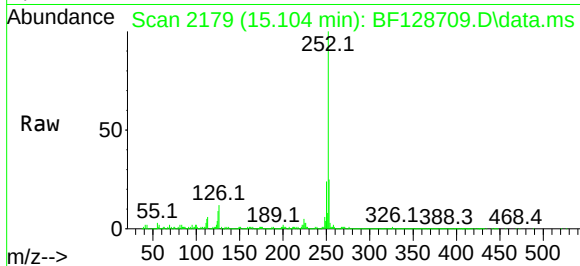
Tgt Ion:252 Resp: 2662981
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 9.8 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 99.035 ng m
RT: 15.104 min Scan# 2173
Delta R.T. 0.035 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

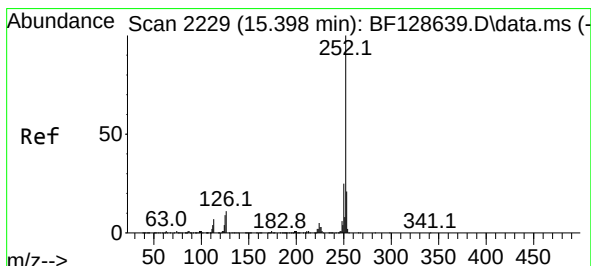
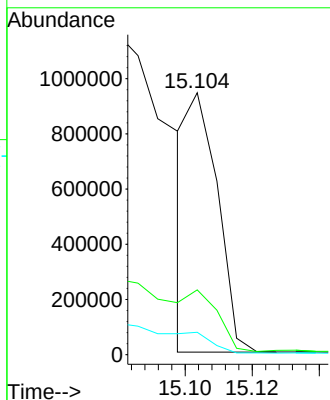
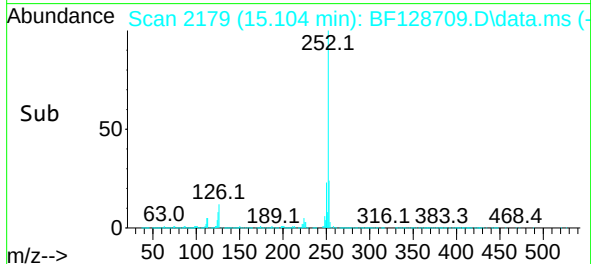
Instrument :
BNA_F
ClientSampleId :
SU-3-060322



Tgt Ion:252 Resp: 569517
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 8.6 8.3 12.5

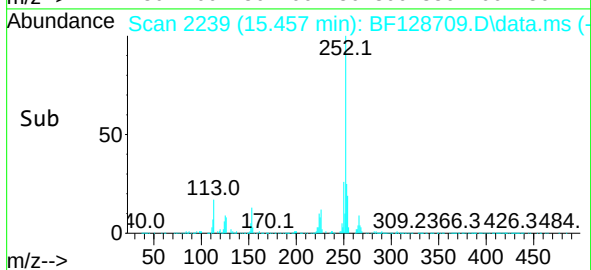
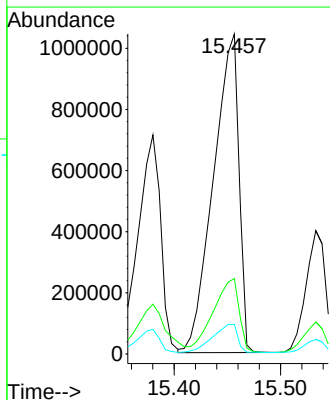
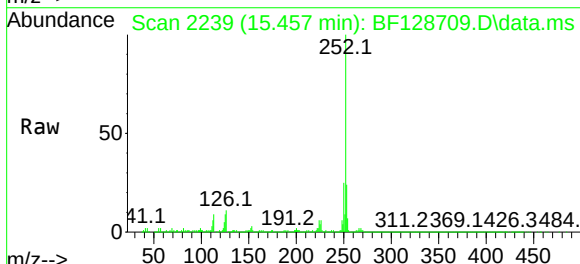
Manual Integrations
APPROVED

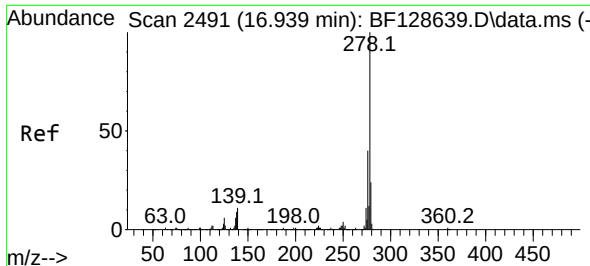
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#90
Benzo(a)pyrene
Concen: 360.575 ng
RT: 15.457 min Scan# 2239
Delta R.T. 0.059 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Tgt Ion:252 Resp: 1732473
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 9.2 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 48.260 ng m
RT: 16.998 min Scan# 21
Delta R.T. 0.059 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Instrument :

BNF

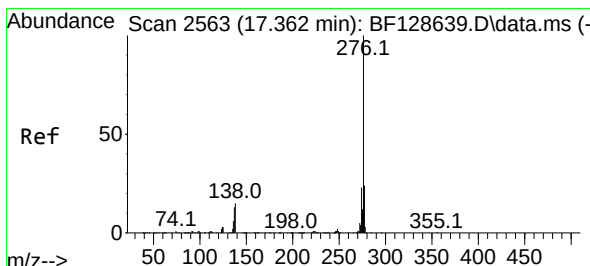
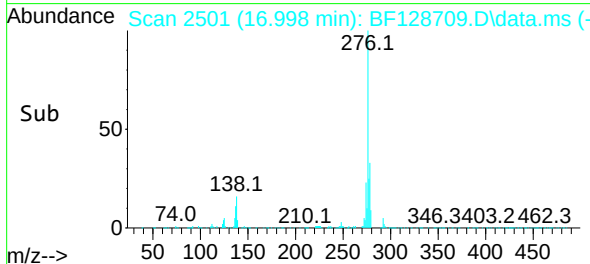
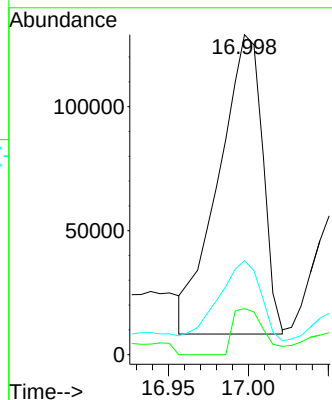
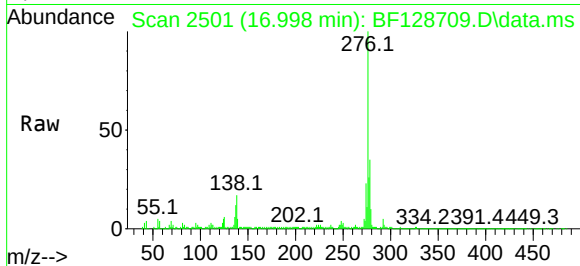
ClientSampleId :

SU-3-060322

Tgt Ion:278 Resp: 230829
Ion Ratio Lower Upper
278 100
139 14.4 12.8 19.2
279 29.4 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#92
Benzo(g,h,i)perylene
Concen: 188.540 ng
RT: 17.451 min Scan# 2578
Delta R.T. 0.088 min
Lab File: BF128709.D
Acq: 06 Jun 2022 21:25

Tgt Ion:276 Resp: 893750
Ion Ratio Lower Upper
276 100
277 25.3 19.1 28.7
138 16.9 18.0 27.0

