

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060922\
 Data File : BF128752.D
 Acq On : 09 Jun 2022 17:50
 Operator : CG\JU
 Sample : N3251-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-060822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/10/2022
 Supervised By : Jagrut Upadhyay 06/10/2022

Quant Time: Jun 10 03:29:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	79229	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	279207	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	122426	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	190161	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	149099	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	109483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	417687	83.972	ng	0.00
7) Phenol-d6	6.469	99	514268	84.699	ng	-0.01
23) Nitrobenzene-d5	7.375	82	354676	59.143	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	99945	69.093	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	602457	68.933	ng	0.00
79) Terphenyl-d14	12.945	244	530424	61.817	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	42580	4.464	ng	99
75) Fluoranthene	12.563	202	97615m	9.791	ng	
78) Pyrene	12.798	202	107204	9.664	ng	97
81) Benzo(a)anthracene	13.980	228	45643	4.911	ng	# 88
83) Chrysene	14.016	228	51735m	5.839	ng	
87) Indeno(1,2,3-cd)pyrene	16.904	276	20261	3.070	ng	# 89
88) Benzo(b)fluoranthene	15.027	252	49929m	7.137	ng	
89) Benzo(k)fluoranthene	15.051	252	15257m	2.318	ng	
90) Benzo(a)pyrene	15.392	252	32955	5.993	ng	# 90
92) Benzo(g,h,i)perylene	17.345	276	20503	3.779	ng	93

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

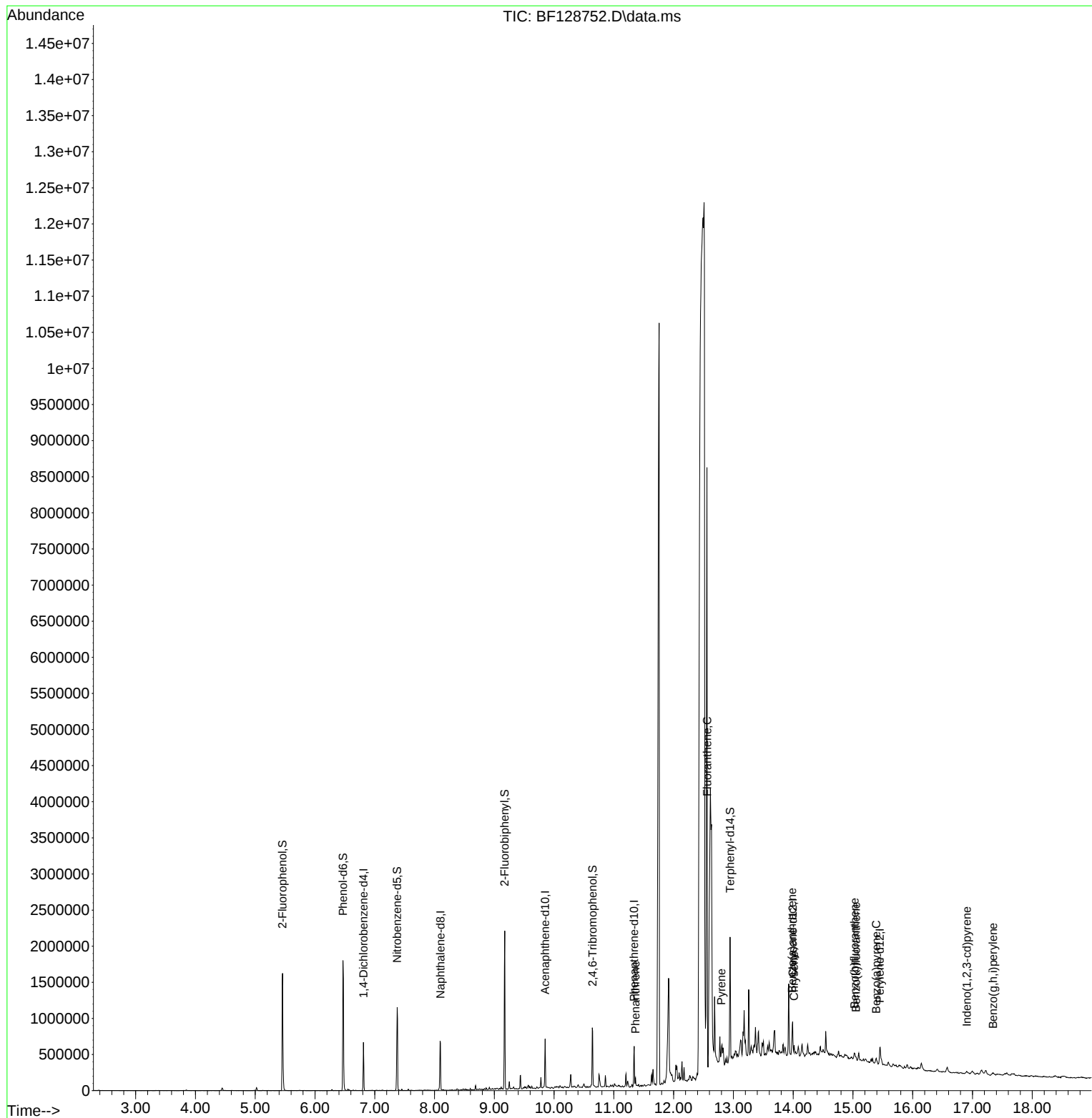
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060922\
Data File : BF128752.D
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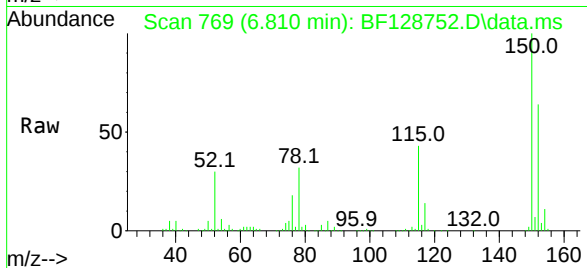
Quant Time: Jun 10 03:29:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

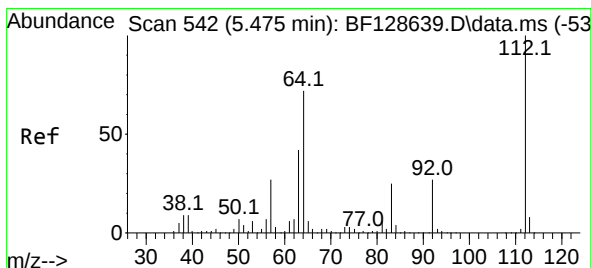
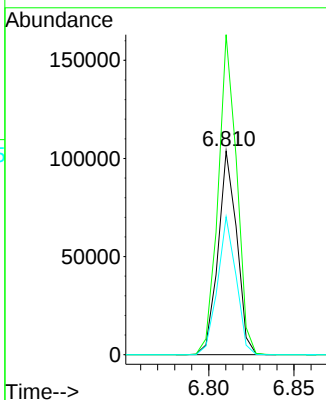
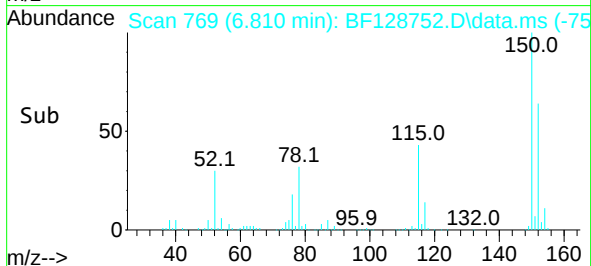
Instrument :
BNA_F
ClientSampleId :
NB-8-060822



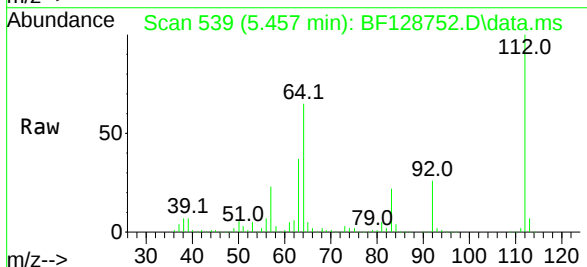
Tgt Ion:152 Resp: 79229
Ion Ratio Lower Upper
152 100
150 157.2 123.7 185.5
115 67.8 49.9 74.9

Manual Integrations
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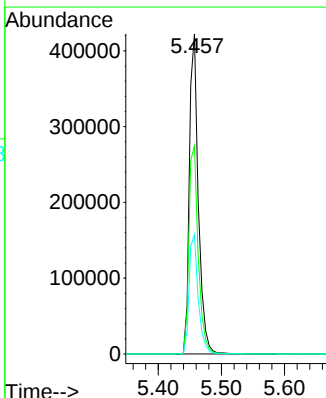
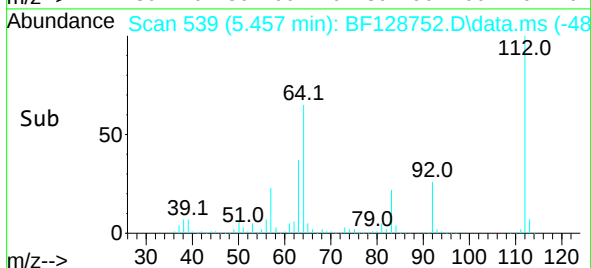
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#5
2-Fluorophenol
Concen: 83.972 ng
RT: 5.457 min Scan# 539
Delta R.T. -0.000 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50



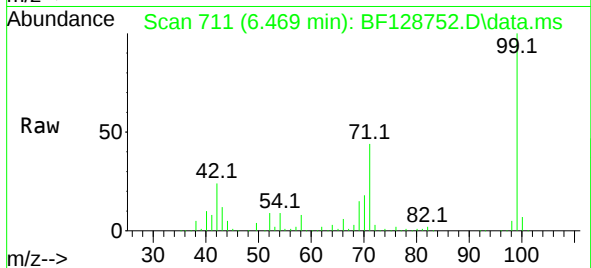
Tgt Ion:112 Resp: 417687
Ion Ratio Lower Upper
112 100
64 65.1 53.3 79.9
63 37.3 28.0 42.0





#7
Phenol-d6
Concen: 84.699 ng
RT: 6.469 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

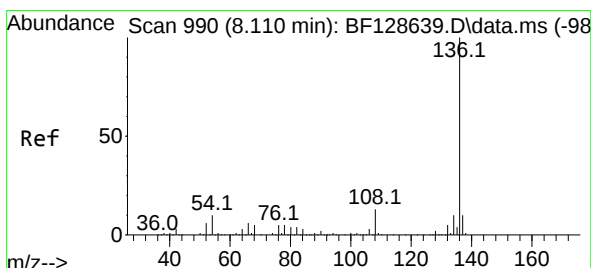
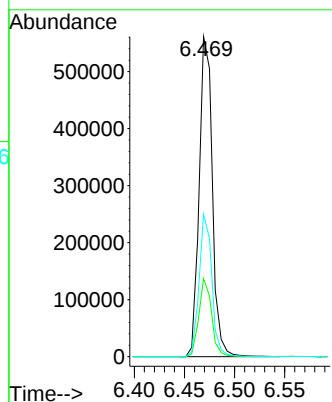
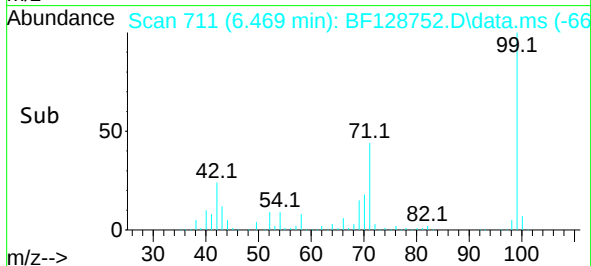
Instrument :
BNA_F
ClientSampleId :
NB-8-060822



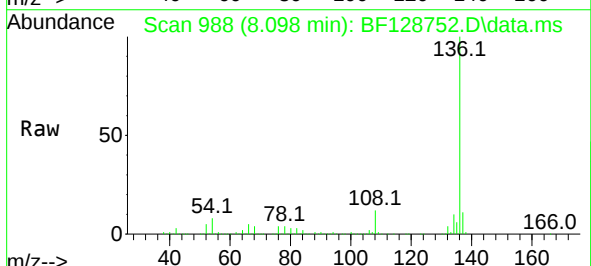
Tgt Ion: 99 Resp: 514268
Ion Ratio Lower Upper
99 100
42 24.4 17.3 25.9
71 44.5 28.9 43.3

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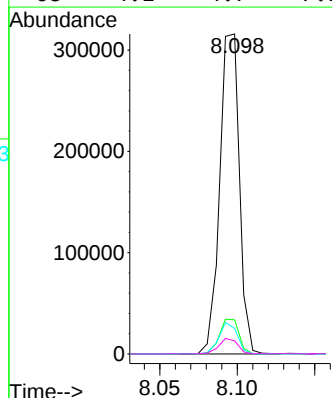
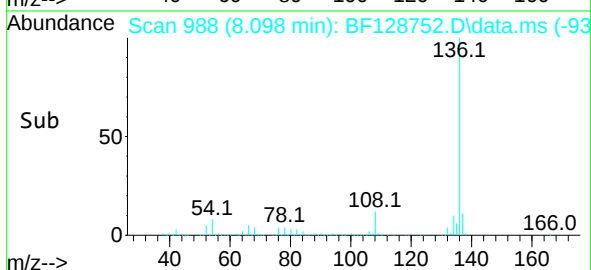
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 988
Delta R.T. -0.000 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50



Tgt Ion:136 Resp: 279207
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.0 7.5 11.3
68 4.1 4.7 7.1





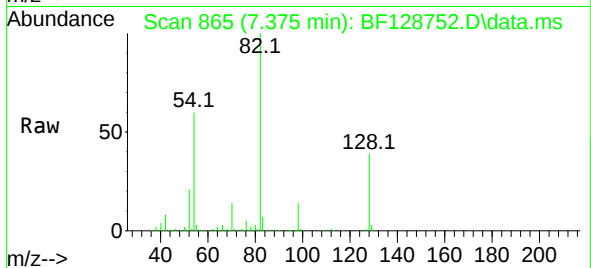
#23
Nitrobenzene-d5
Concen: 59.143 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

Instrument :

BNA_F

ClientSampleId :

NB-8-060822

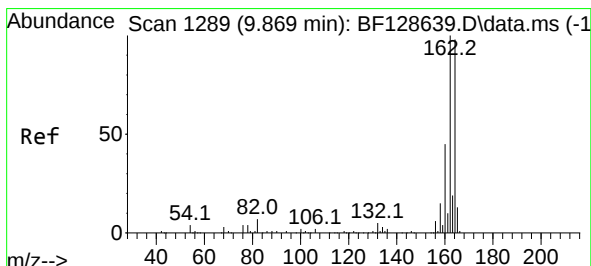
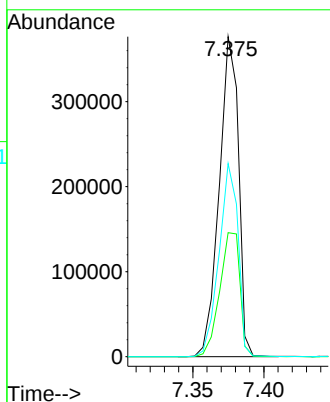
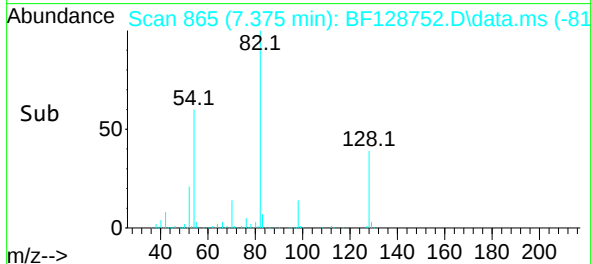


Tgt Ion: 82 Resp: 354670
Ion Ratio Lower Upper
82 100
128 38.8 34.0 51.0
54 60.3 46.9 70.3

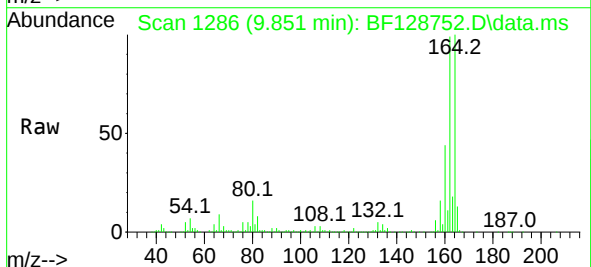
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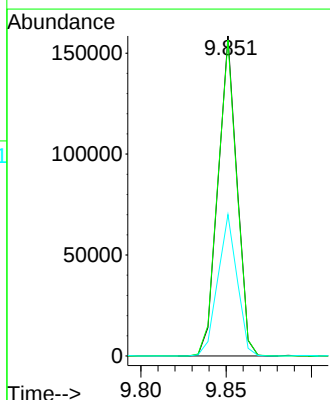
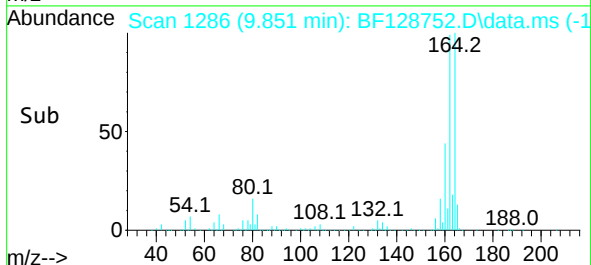
Reviewed By :Christian Giraldo 06/10/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50



Tgt Ion:164 Resp: 122426
Ion Ratio Lower Upper
164 100
162 98.7 79.5 119.3
160 44.2 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 69.093 ng
RT: 10.645 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

Instrument :

BNA_F

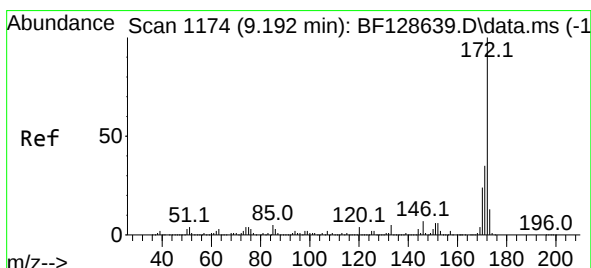
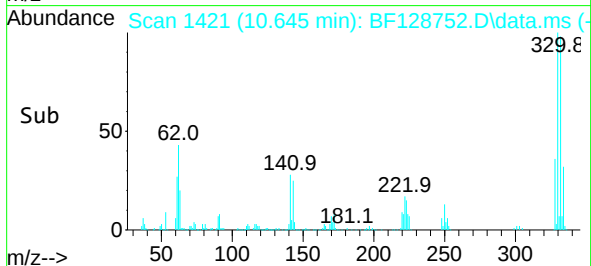
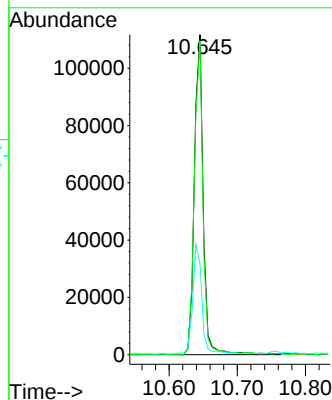
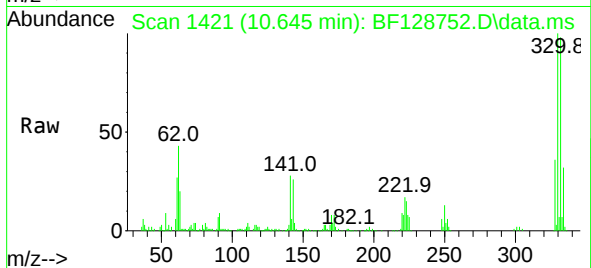
ClientSampleId :

NB-8-060822

Tgt Ion:330 Resp: 9994
Ion Ratio Lower Upper
330 100
332 95.0 76.8 115.2
141 35.4 28.0 42.0

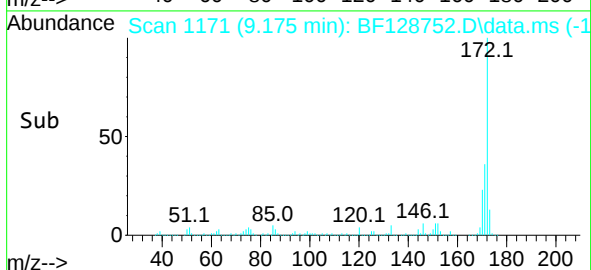
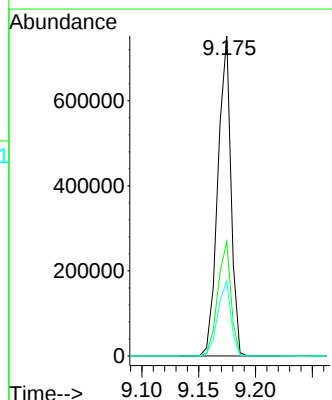
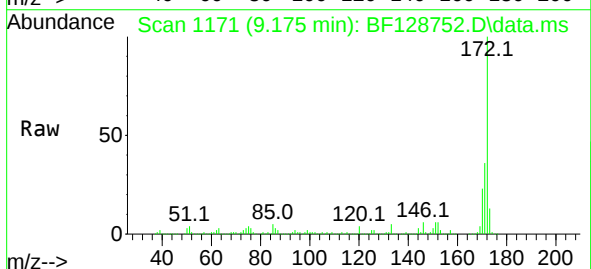
Manual Integrations
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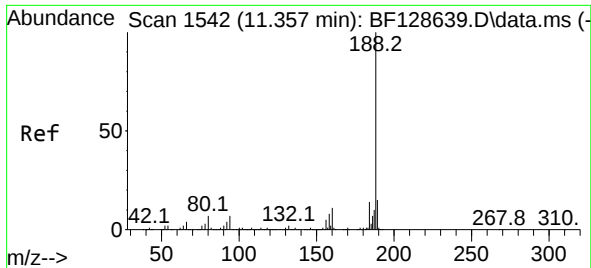
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#45
2-Fluorobiphenyl
Concen: 68.933 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

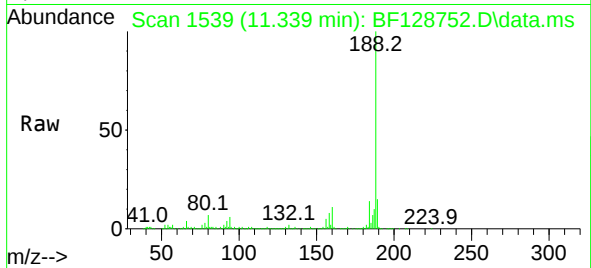
Tgt Ion:172 Resp: 602457
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.3 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

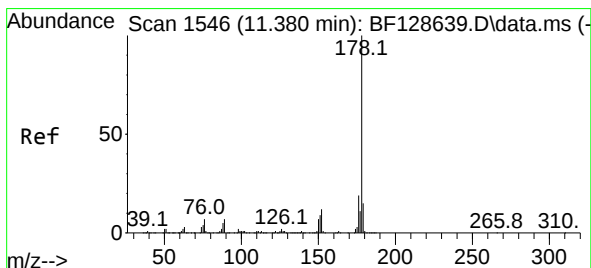
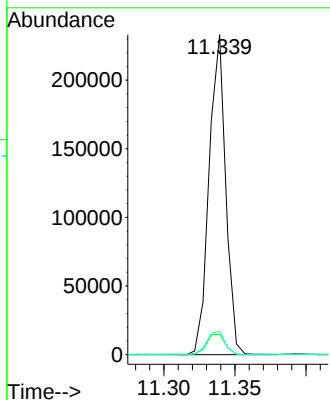
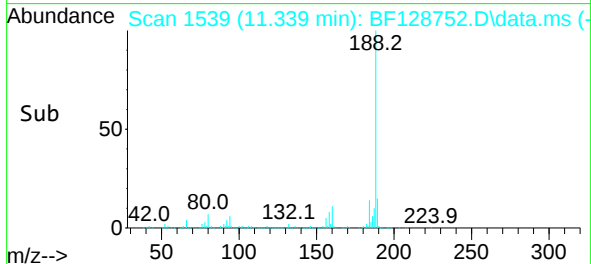
Instrument :
BNA_F
ClientSampleId :
NB-8-060822



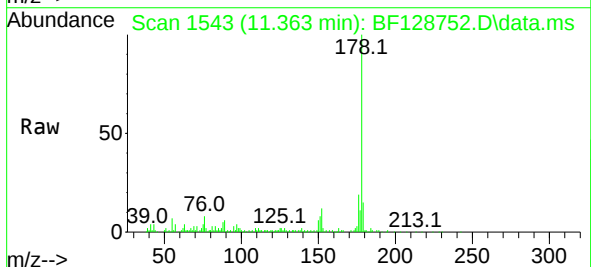
Tgt Ion:188 Resp: 19016
Ion Ratio Lower Upper
188 100
94 6.4 7.0 10.6
80 7.3 7.6 11.4

Manual Integrations
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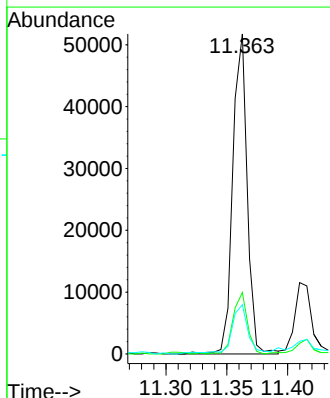
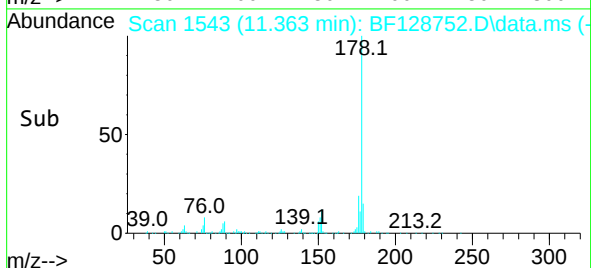
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

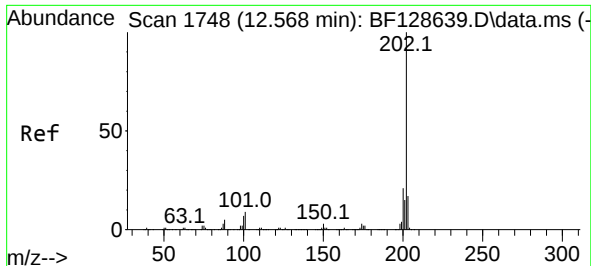


#71
Phenanthrene
Concen: 4.464 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50



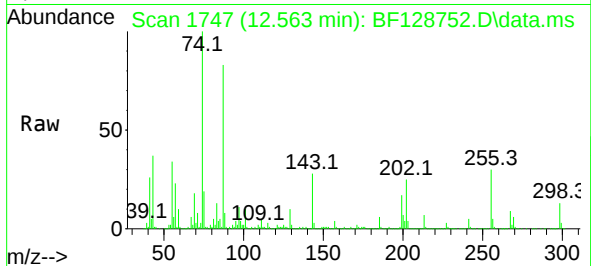
Tgt Ion:178 Resp: 42580
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0





#75
Fluoranthene
Concen: 9.791 ng m
RT: 12.563 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

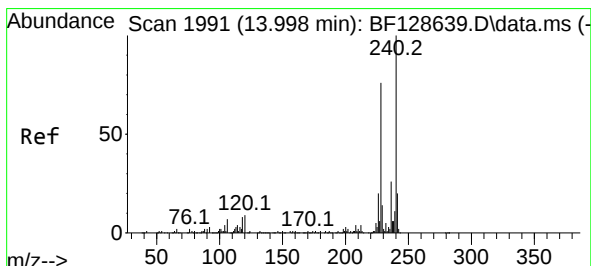
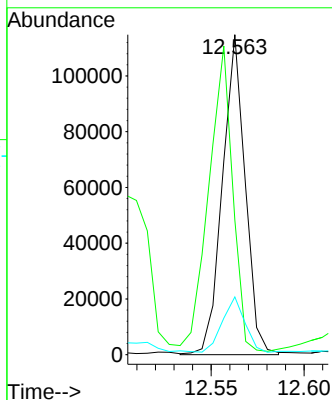
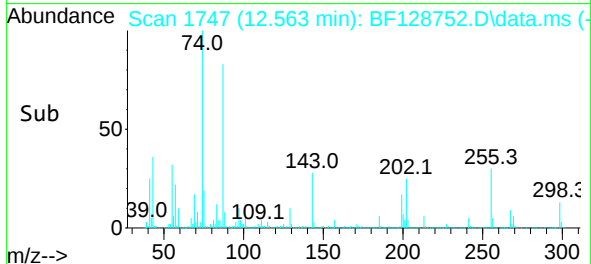
Instrument :
BNA_F
ClientSampleId :
NB-8-060822



Tgt Ion:202 Resp: 97615
Ion Ratio Lower Upper
202 100
101 42.1 0.0 31.4#
203 18.1 0.0 38.0

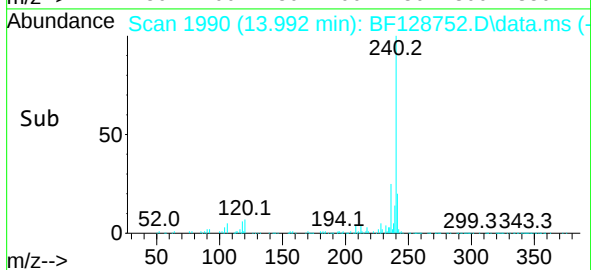
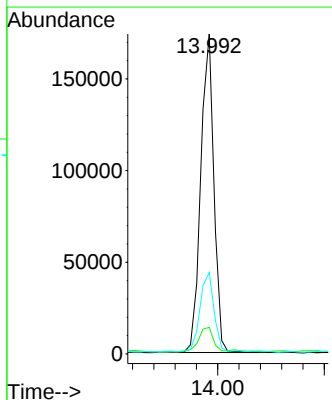
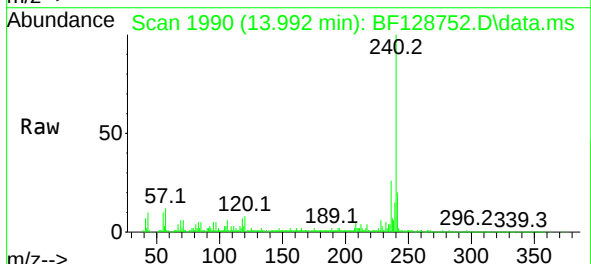
Manual Integrations
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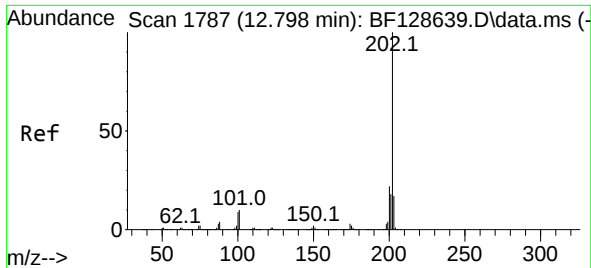
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1990
Delta R.T. 0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

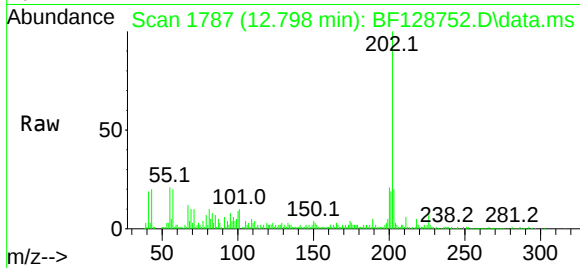
Tgt Ion:240 Resp: 149099
Ion Ratio Lower Upper
240 100
120 8.3 8.9 13.3#
236 25.5 20.8 31.2





#78
Pyrene
Concen: 9.664 ng
RT: 12.798 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

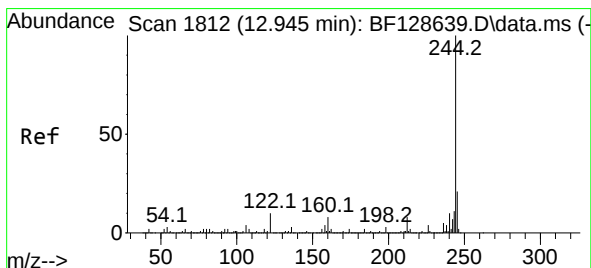
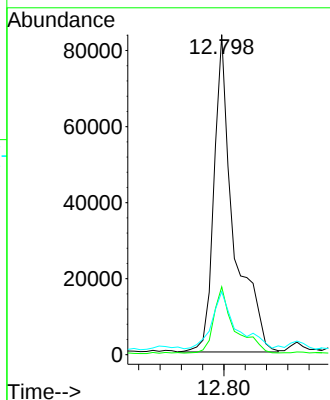
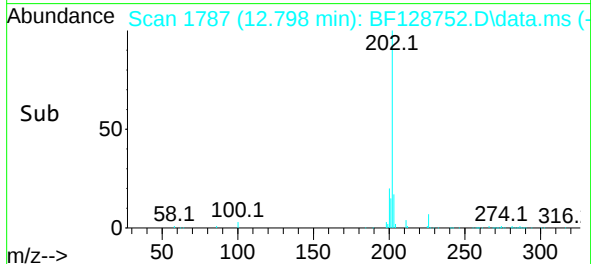
Instrument :
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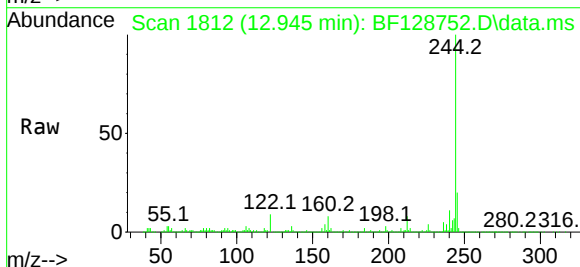
Tgt Ion:202 Resp: 107204
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 19.7 14.6 21.8

Manual Integrations
APPROVED

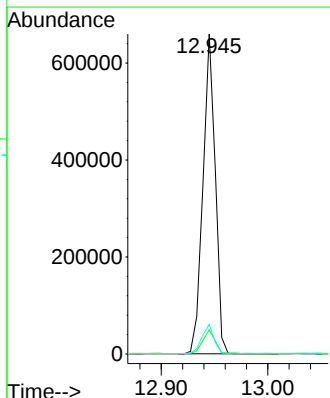
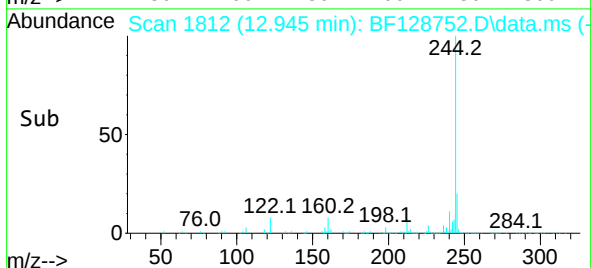
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

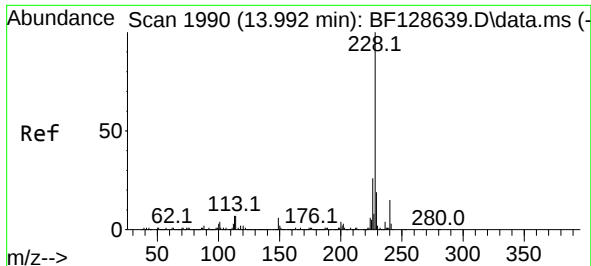


#79
Terphenyl-d14
Concen: 61.817 ng
RT: 12.945 min Scan# 1812
Delta R.T. 0.012 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50



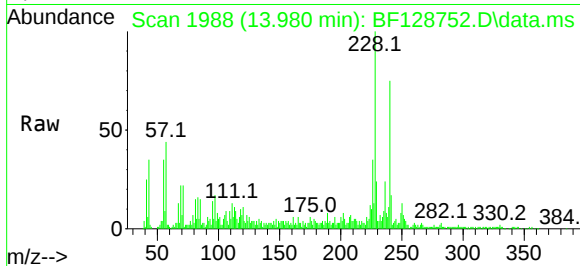
Tgt Ion:244 Resp: 530424
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 9.2 8.8 13.2





#81
Benzo(a)anthracene
Concen: 4.911 ng
RT: 13.980 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

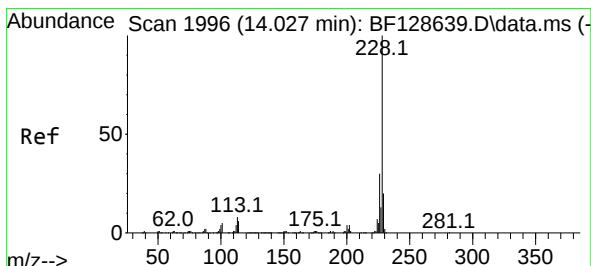
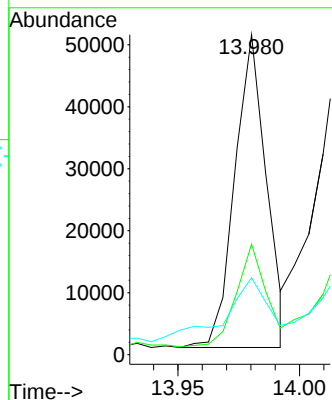
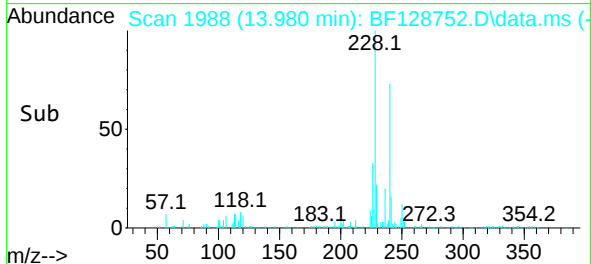
Instrument :
BNA_F
ClientSampleId :
NB-8-060822



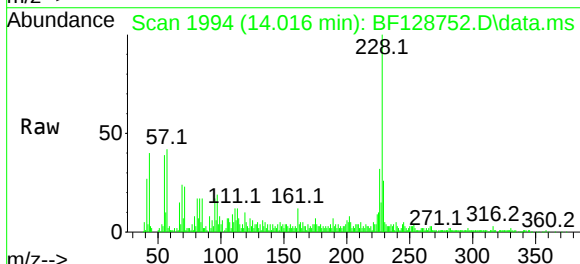
Tgt Ion:228 Resp: 4564
Ion Ratio Lower Upper
228 100
226 34.6 22.1 33.1
229 24.0 15.8 23.8

Manual Integrations
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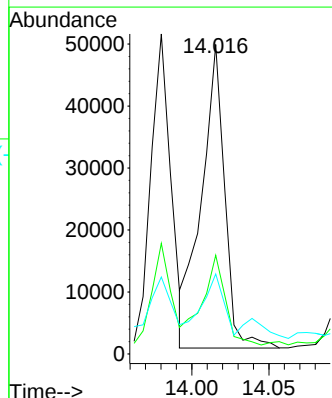
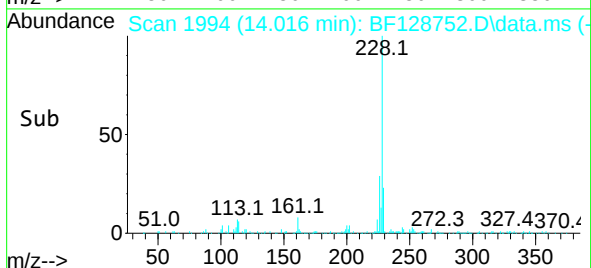
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022

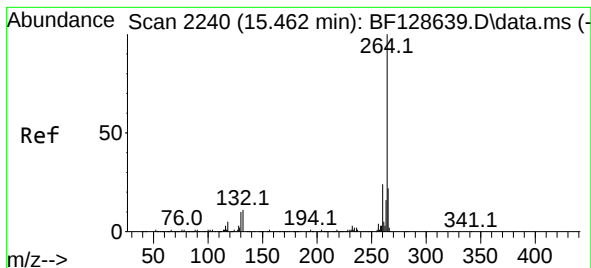


#83
Chrysene
Concen: 5.839 ng m
RT: 14.016 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50



Tgt Ion:228 Resp: 51735
Ion Ratio Lower Upper
228 100
226 31.9 24.3 36.5
229 25.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128752.D

Acq: 09 Jun 2022 17:50

Instrument :

BNA_F

ClientSampleId :

NB-8-060822

Tgt Ion:264 Resp: 10948

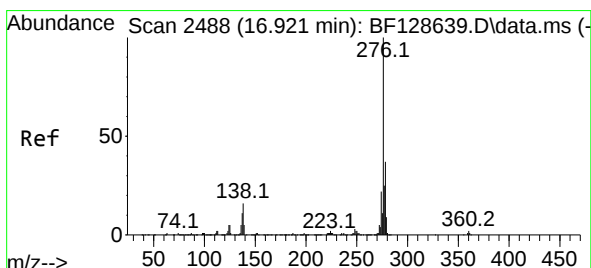
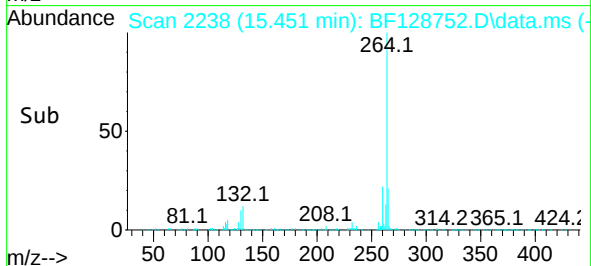
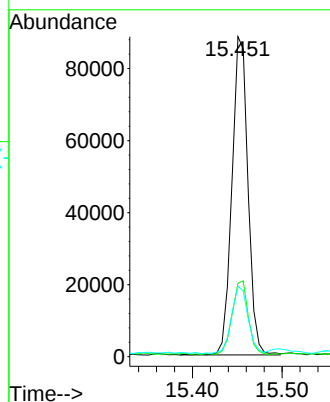
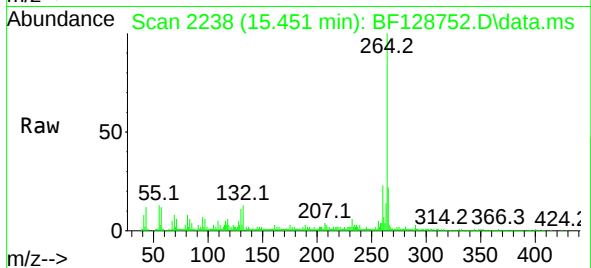
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	22.0	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/10/2022

Supervised By :Jagrut Upadhyay 06/10/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.070 ng

RT: 16.904 min Scan# 2485

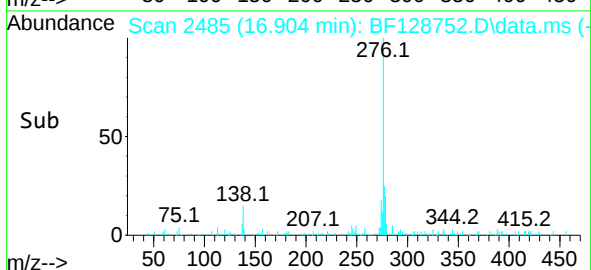
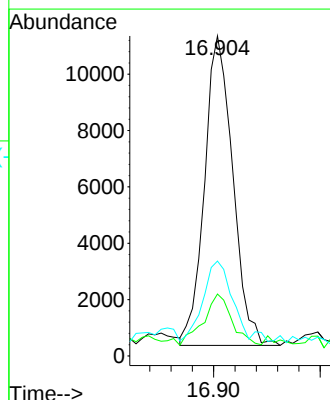
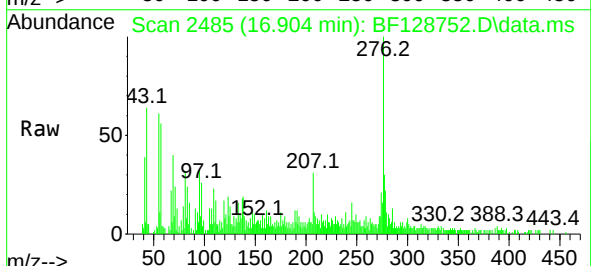
Delta R.T. 0.006 min

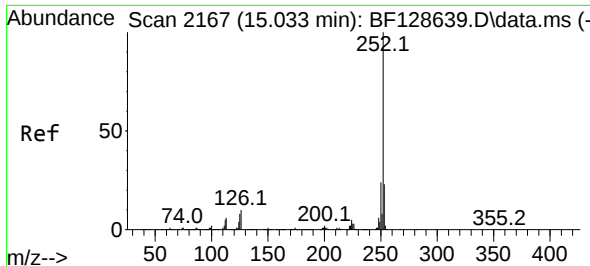
Lab File: BF128752.D

Acq: 09 Jun 2022 17:50

Tgt Ion:276 Resp: 20261

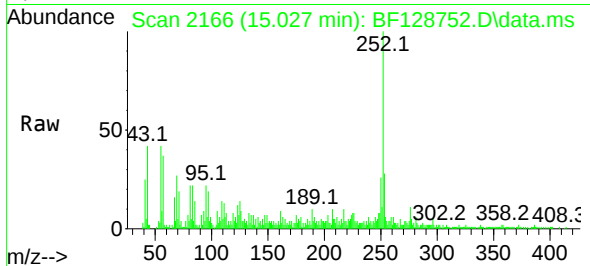
Ion	Ratio	Lower	Upper
276	100		
138	16.5	21.1	31.7#
277	27.0	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 7.137 ng m
RT: 15.027 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

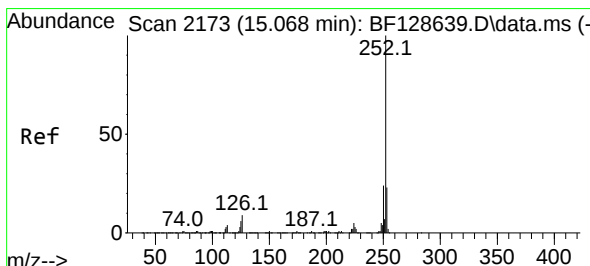
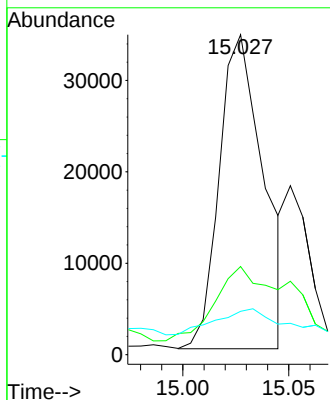
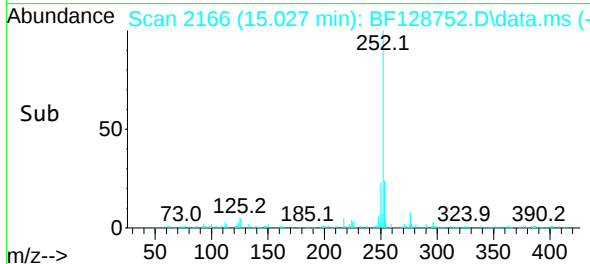
Instrument :
BNA_F
ClientSampleId :
NB-8-060822



Tgt Ion:252 Resp: 49929
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 13.5 8.0 12.0#

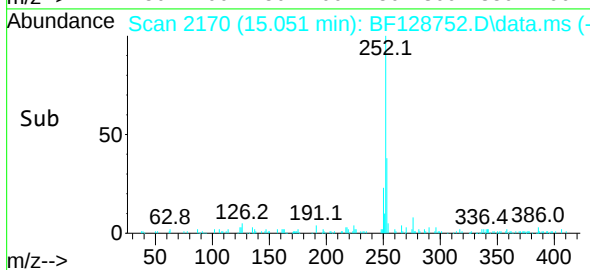
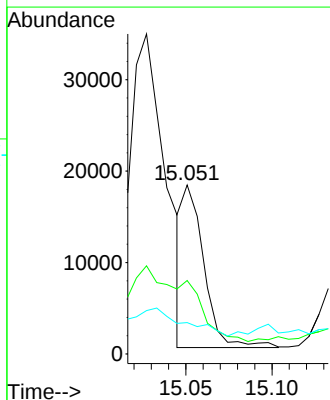
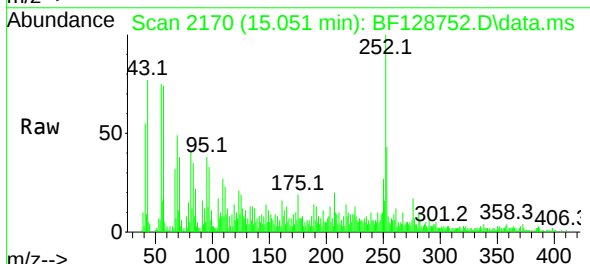
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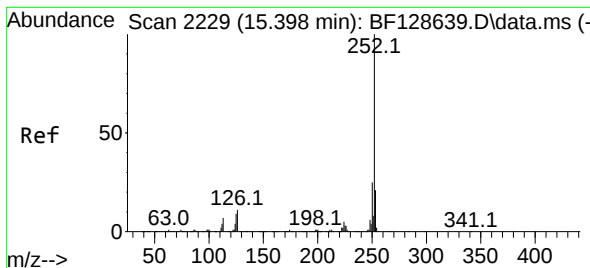
Reviewed By :Christian Giraldo 06/10/2022
Supervised By :Jagrut Upadhyay 06/10/2022



#89
Benzo(k)fluoranthene
Concen: 2.318 ng m
RT: 15.051 min Scan# 2170
Delta R.T. -0.000 min
Lab File: BF128752.D
Acq: 09 Jun 2022 17:50

Tgt Ion:252 Resp: 15257
Ion Ratio Lower Upper
252 100
253 43.4 17.8 26.6#
125 18.6 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 5.993 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF128752.D

Acq: 09 Jun 2022 17:50

Instrument :

BNA_F

ClientSampleId :

NB-8-060822

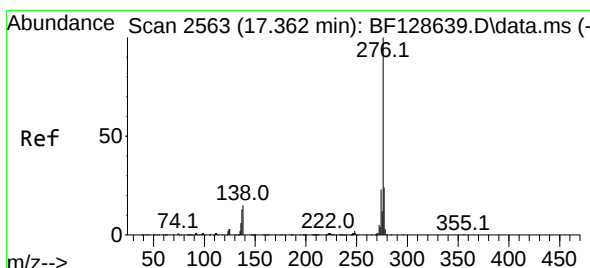
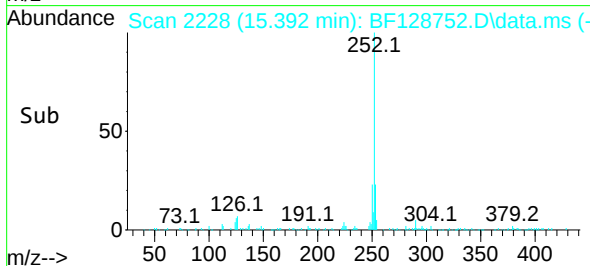
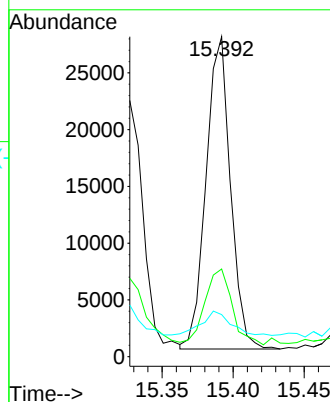
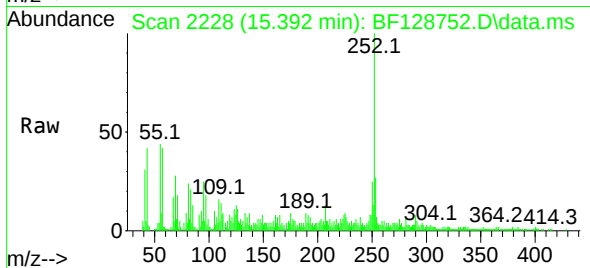
Tgt Ion:	252	Resp:	3295
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.0	25.6
125	13.2	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/10/2022

Supervised By :Jagrut Upadhyay 06/10/2022



#92

Benzo(g,h,i)perylene

Concen: 3.779 ng

RT: 17.345 min Scan# 2560

Delta R.T. 0.006 min

Lab File: BF128752.D

Acq: 09 Jun 2022 17:50

Tgt Ion:	276	Resp:	20503
Ion Ratio	Lower	Upper	
276	100		
277	26.7	19.1	28.7
138	18.7	18.0	27.0

