

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129826.D
 Acq On : 16 Aug 2022 23:28
 Operator : CG\JU
 Sample : N4188-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/17/2022
 Supervised By : Jagrut Upadhyay 08/17/2022

Quant Time: Aug 17 02:40:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	148693	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	584873	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	299724	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	452948	20.000	ng	0.00
76) Chrysene-d12	13.998	240	247545	20.000	ng	0.00
86) Perylene-d12	15.468	264	298327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1172943	130.607	ng	0.00
7) Phenol-d6	6.481	99	1480305	131.626	ng	0.00
23) Nitrobenzene-d5	7.393	82	955868	87.488	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	355740	118.258	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1650630	83.643	ng	0.00
79) Terphenyl-d14	12.933	244	1206906	81.125	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.375	178	333845	13.197	ng	99
75) Fluoranthene	12.569	202	359393	13.884	ng	98
78) Pyrene	12.798	202	303726	14.119	ng	99
81) Benzo(a)anthracene	13.986	228	86553	5.083	ng	97
83) Chrysene	14.021	228	129911	8.150	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	98622	4.815	ng	95
88) Benzo(b)fluoranthene	15.039	252	178826m	8.754	ng	
89) Benzo(k)fluoranthene	15.063	252	52036m	2.656	ng	
90) Benzo(a)pyrene	15.404	252	116286	7.229	ng	98
92) Benzo(g,h,i)perylene	17.392	276	94757	5.621	ng	97

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

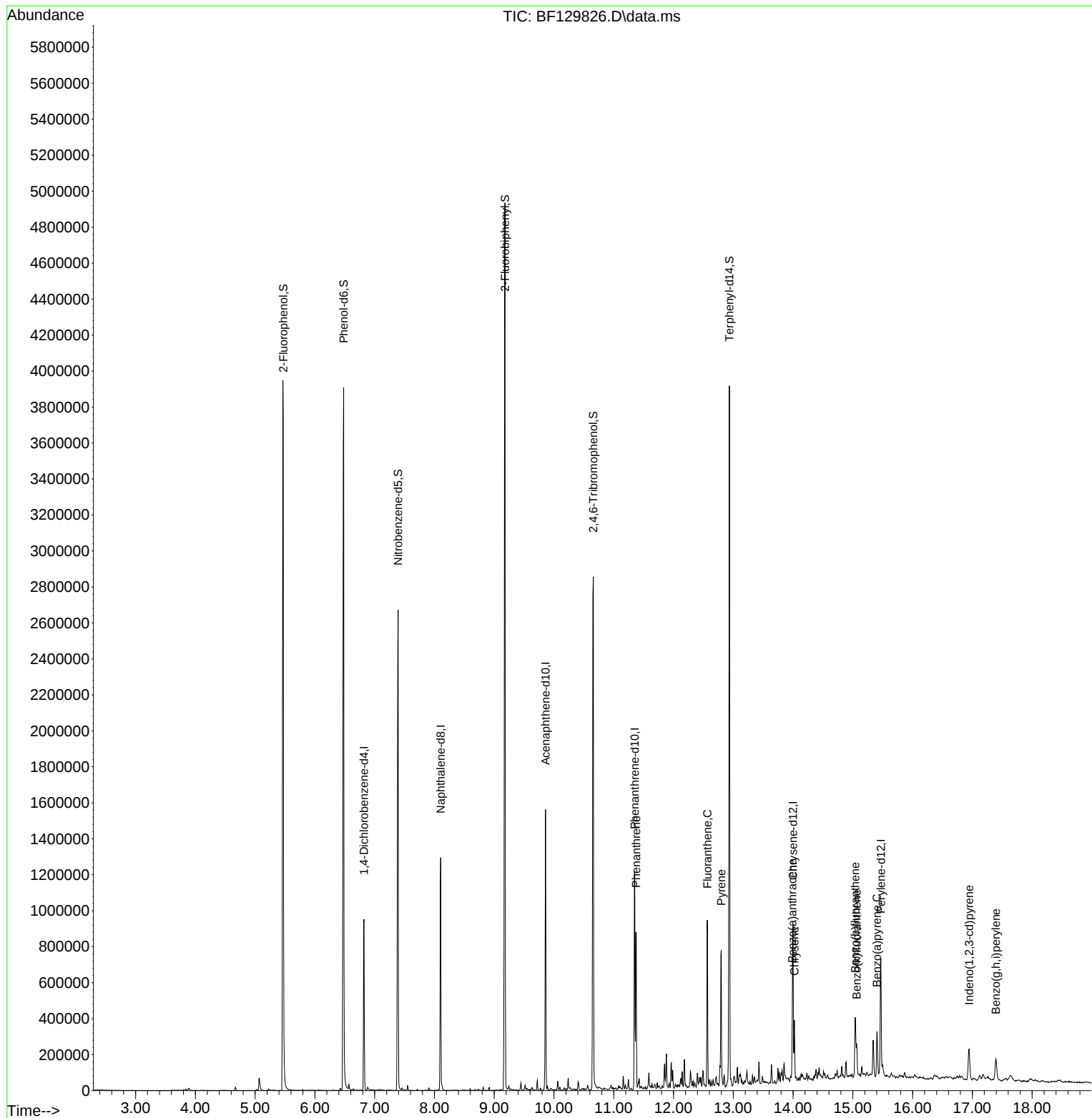
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

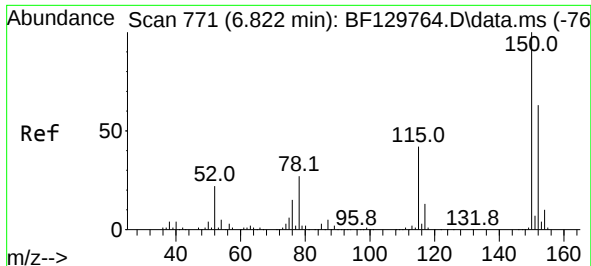
Instrument :
BNA_F
ClientSampleId :
S4

Quant Time: Aug 17 02:40:42 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 15 02:28:31 2022
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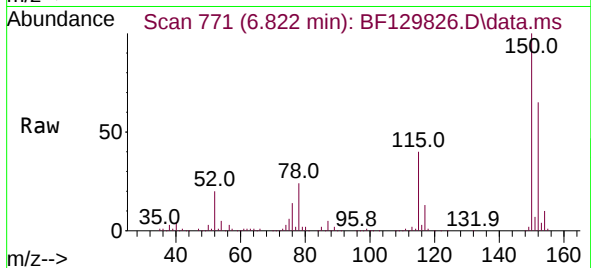
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

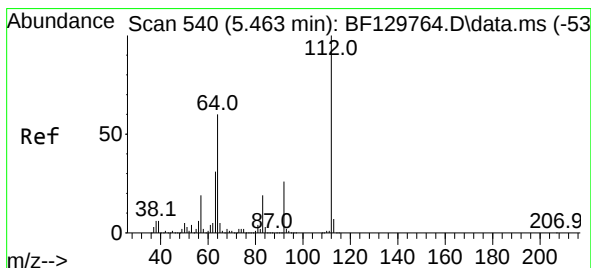
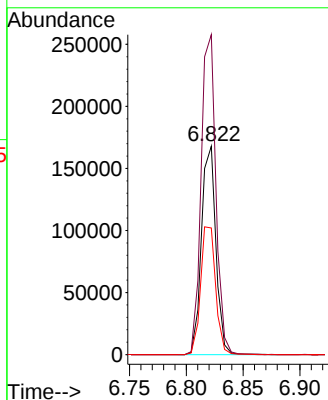
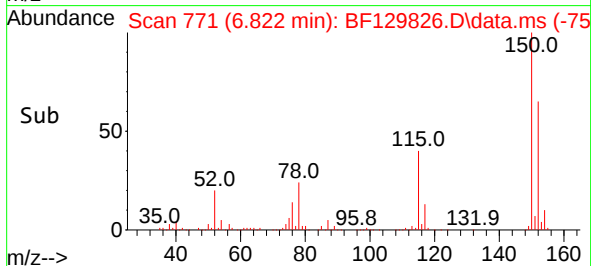
Instrument :
BNA_F
ClientSampleId :
S4



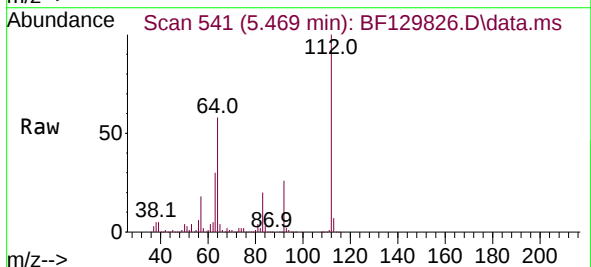
Tgt Ion:152 Resp: 148693
Ion Ratio Lower Upper
152 100
150 153.5 126.9 190.3
115 60.8 53.4 80.0

Manual Integrations
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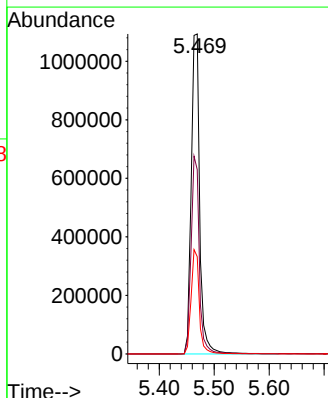
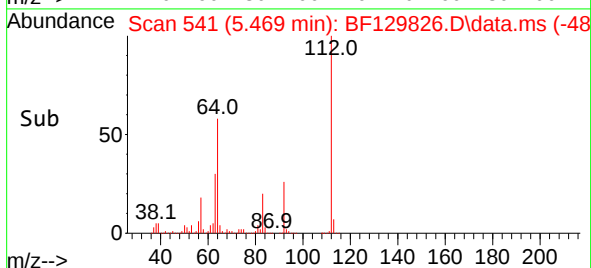
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#5
2-Fluorophenol
Concen: 130.607 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



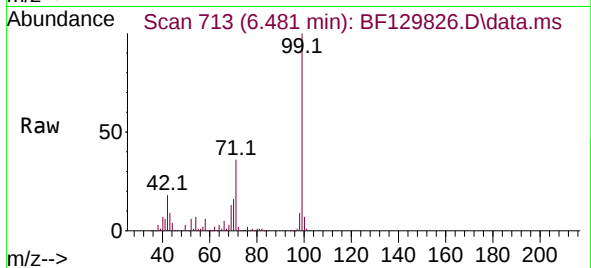
Tgt Ion:112 Resp: 1172943
Ion Ratio Lower Upper
112 100
64 57.6 47.6 71.4
63 30.4 24.6 37.0





#7
Phenol-d6
Concen: 131.626 ng
RT: 6.481 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

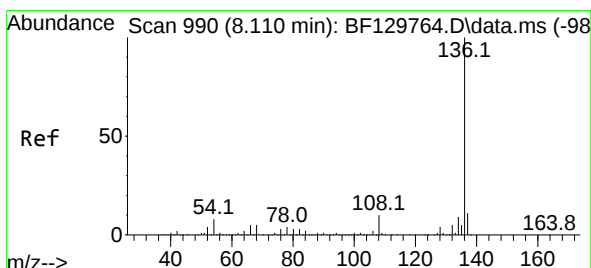
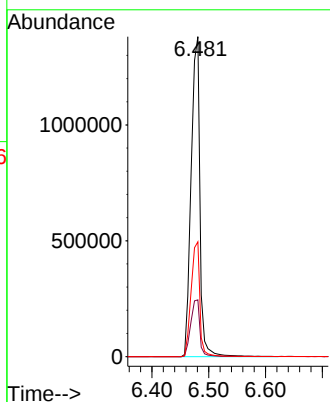
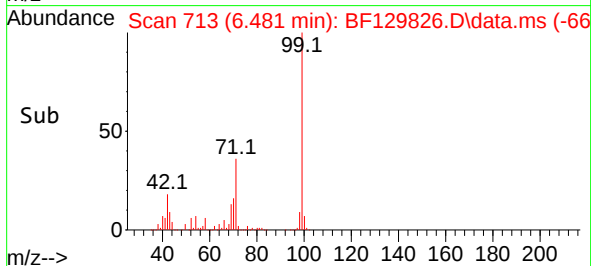
Instrument :
BNA_F
ClientSampleId :
S4



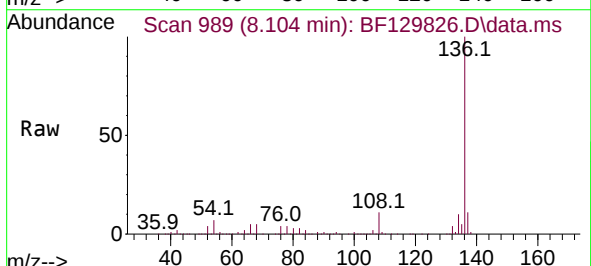
Tgt Ion: 99 Resp: 1480305
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.4
71 35.9 28.8 43.2

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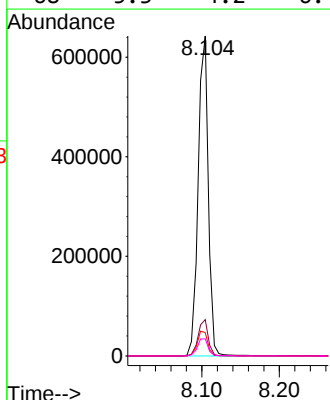
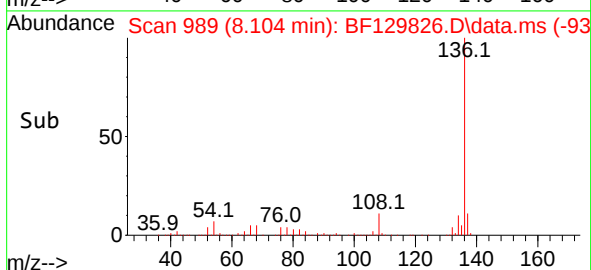
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



Tgt Ion:136 Resp: 584873
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 7.3 6.2 9.2
68 5.3 4.2 6.4





#23

Nitrobenzene-d5

Concen: 87.488 ng

RT: 7.393 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

Instrument :

BNA_F

ClientSampleId :

S4

Tgt Ion: 82 Resp: 95586

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

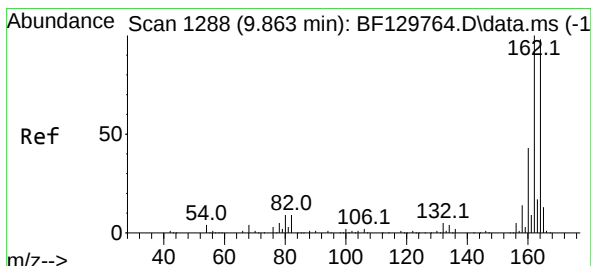
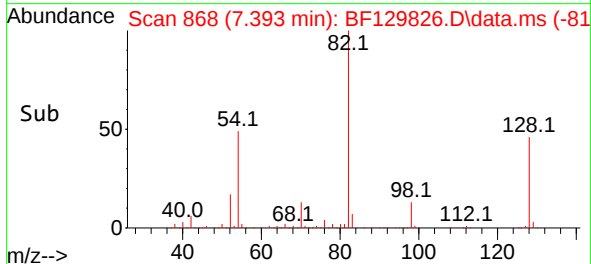
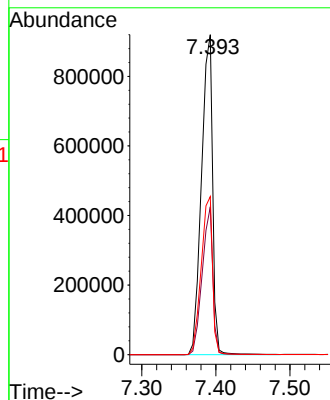
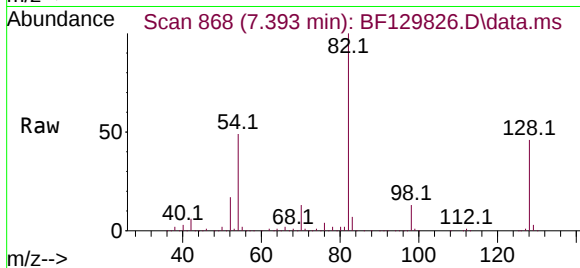
54 49.4 40.0 60.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

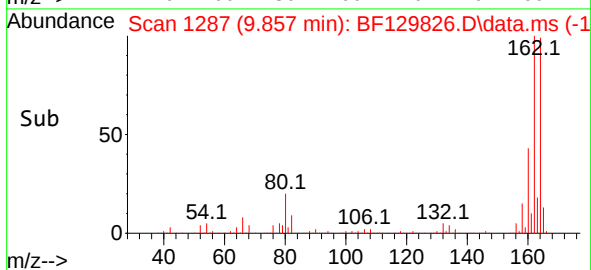
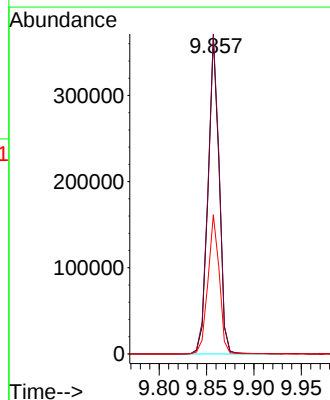
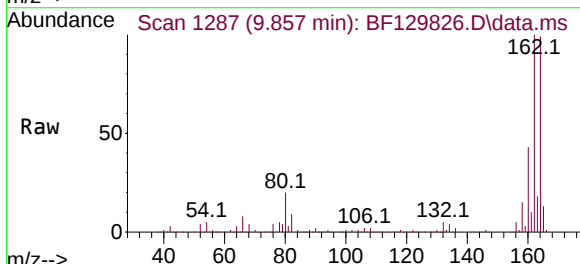
Tgt Ion:164 Resp: 299724

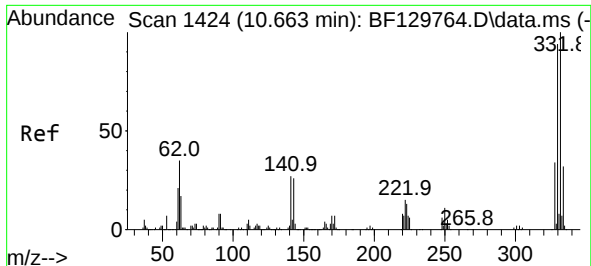
Ion Ratio Lower Upper

164 100

162 101.1 82.0 123.0

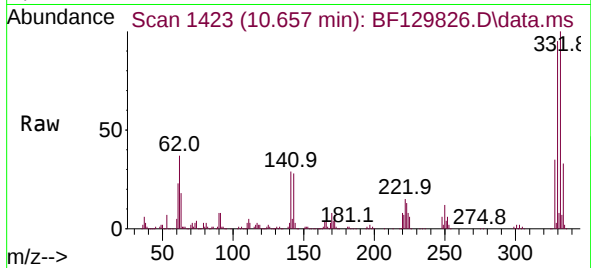
160 44.0 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 118.258 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

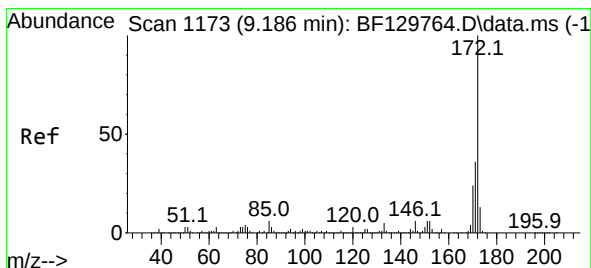
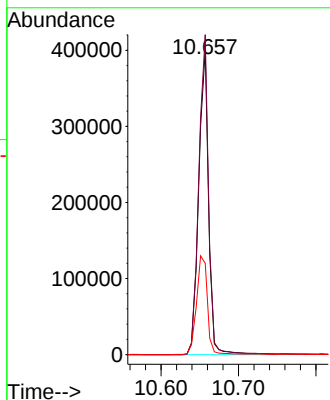
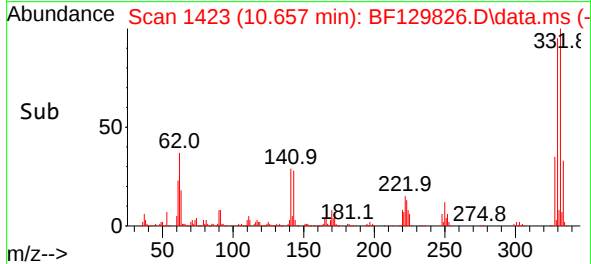
Instrument :
BNA_F
ClientSampleId :
S4



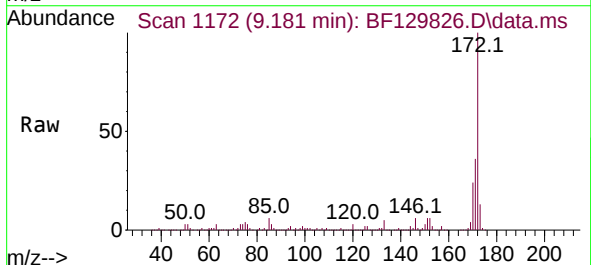
Tgt Ion: 330 Resp: 355740
Ion Ratio Lower Upper
330 100
332 104.7 82.6 124.0
141 36.0 27.6 41.4

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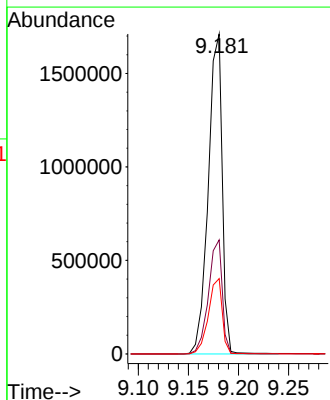
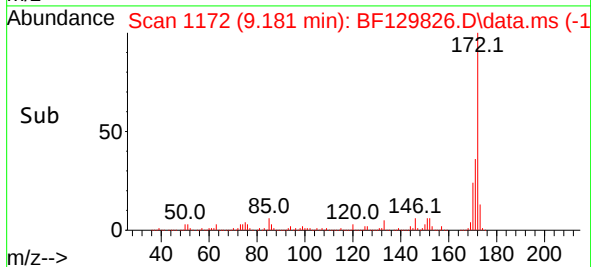
Reviewed By : Christian Giraldo 08/17/2022
Supervised By : Jagrut Upadhyay 08/17/2022



#45
2-Fluorobiphenyl
Concen: 83.643 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



Tgt Ion: 172 Resp: 1650630
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.5 19.1 28.7





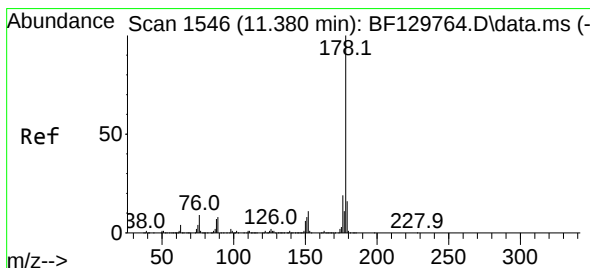
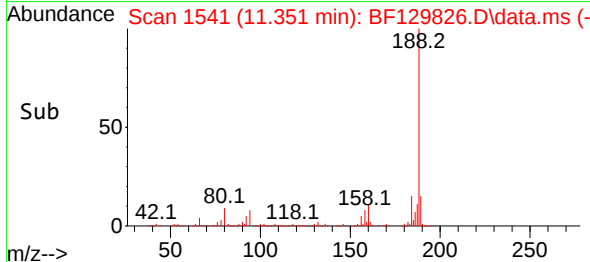
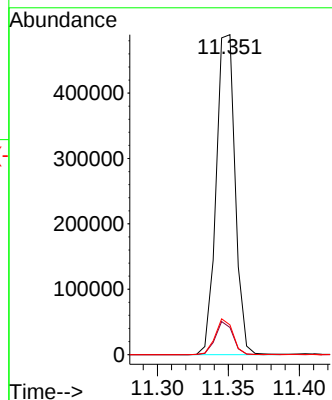
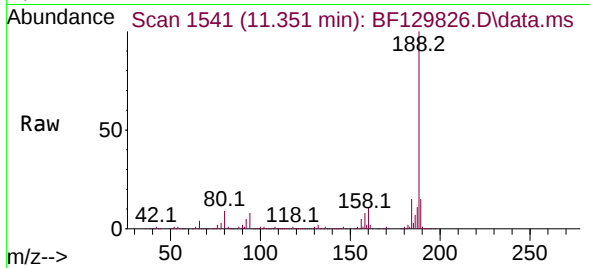
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Instrument :
BNA_F
ClientSampleId :
S4

Tgt Ion:188 Resp: 452948
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 9.3 7.9 11.9

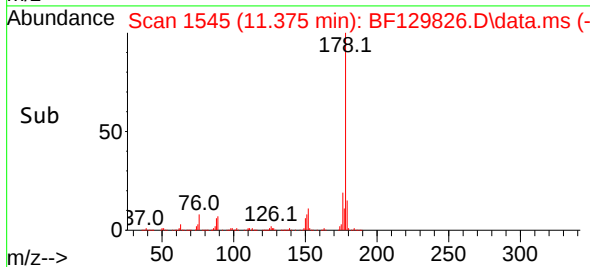
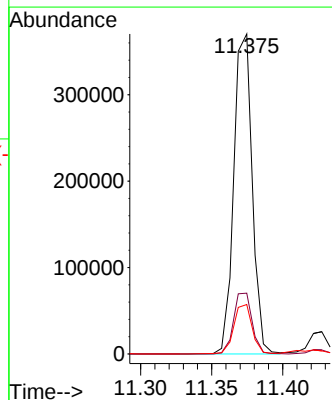
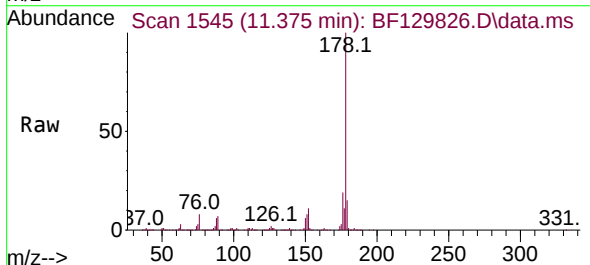
Manual Integrations
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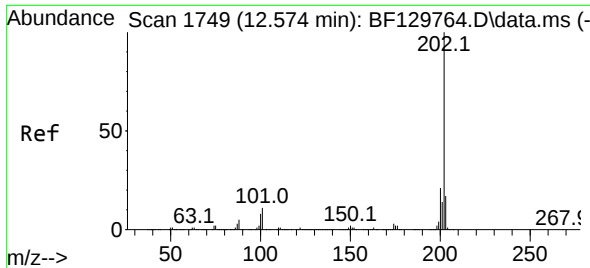
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#71
Phenanthrene
Concen: 13.197 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

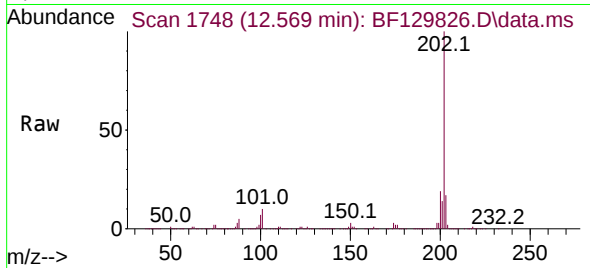
Tgt Ion:178 Resp: 333845
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.5 18.7





#75
Fluoranthene
Concen: 13.884 ng
RT: 12.569 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

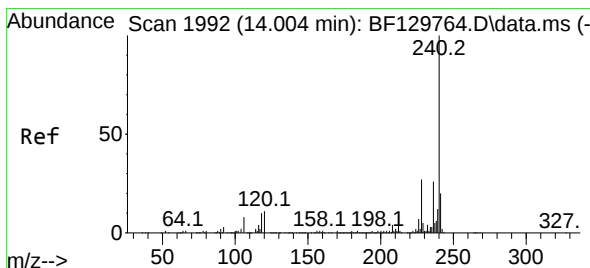
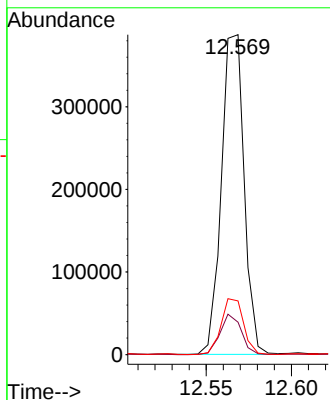
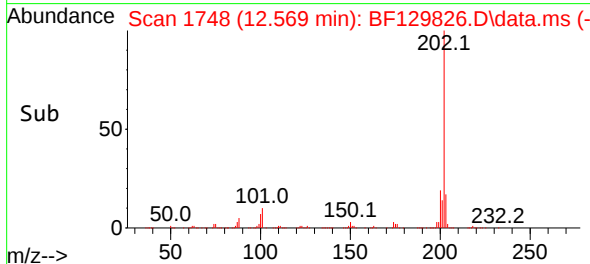
Instrument :
BNA_F
ClientSampleId :
S4



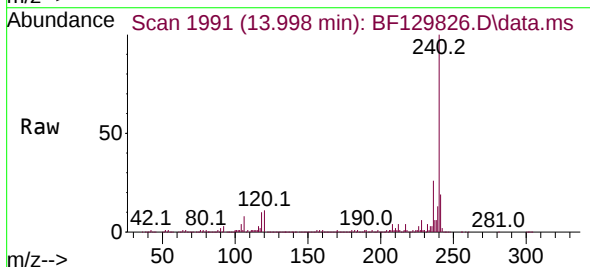
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Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.7
203 16.8 0.0 37.5

Manual Integrations
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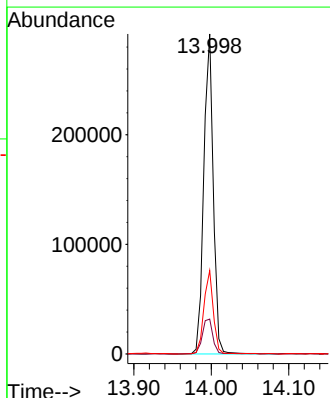
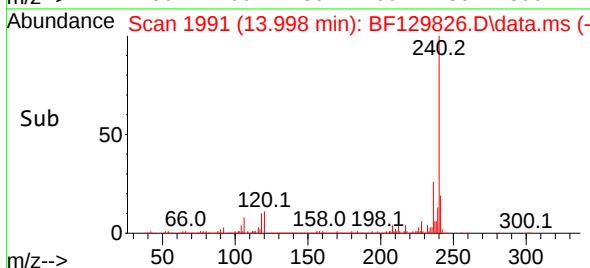
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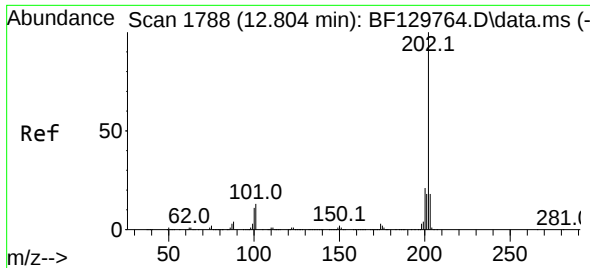


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



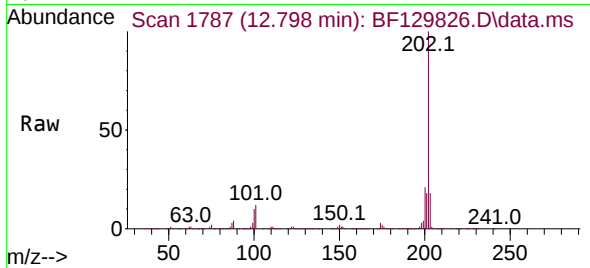
Tgt Ion:240 Resp: 247545
Ion Ratio Lower Upper
240 100
120 10.9 9.2 13.8
236 26.0 20.7 31.1





#78
Pyrene
Concen: 14.119 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

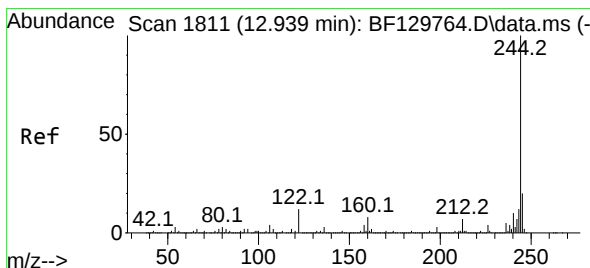
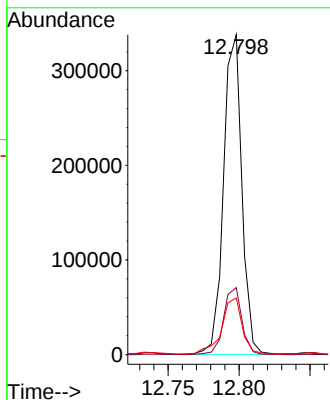
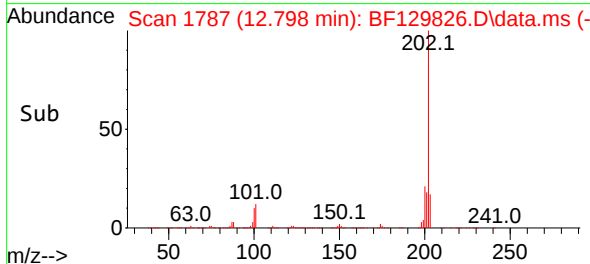
Instrument :
BNA_F
ClientSampleId :
S4



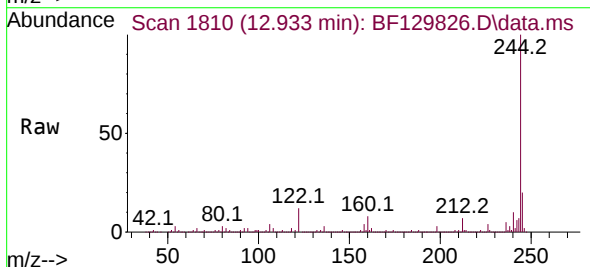
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Ion Ratio Lower Upper
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200 20.9 17.0 25.6
203 17.7 14.1 21.1

Manual Integrations
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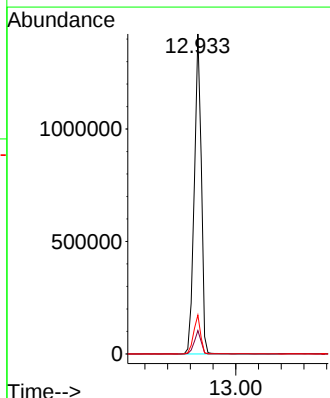
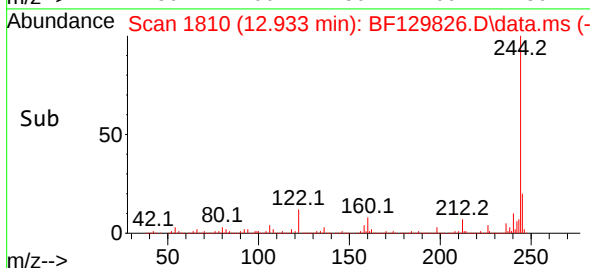
Reviewed By :Christian Giraldo 08/17/2022
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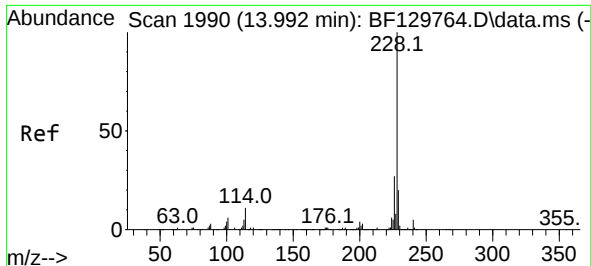


#79
Terphenyl-d14
Concen: 81.125 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



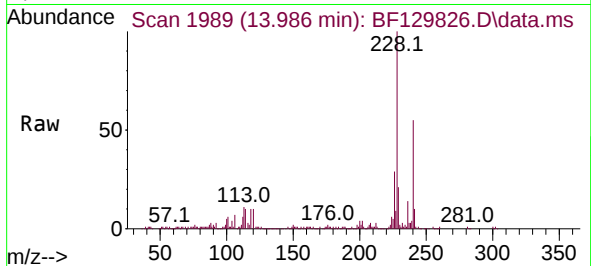
Tgt Ion:244 Resp: 1206906
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 12.1 9.9 14.9





#81
Benzo(a)anthracene
Concen: 5.083 ng
RT: 13.986 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

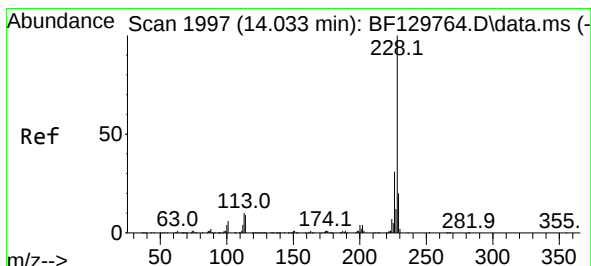
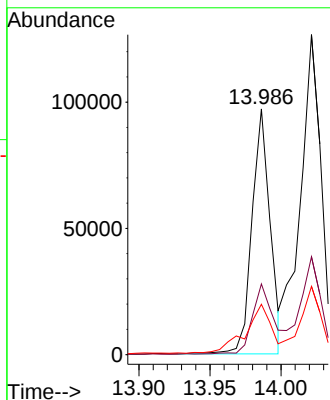
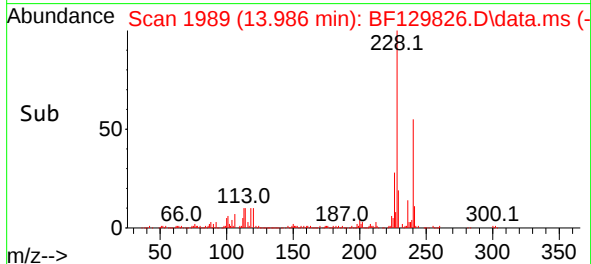
Instrument :
BNA_F
ClientSampleId :
S4



Tgt Ion:228 Resp: 86553
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 20.5 16.1 24.1

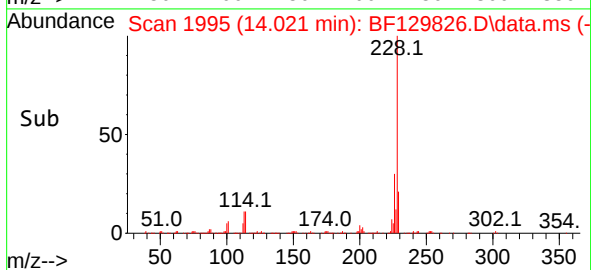
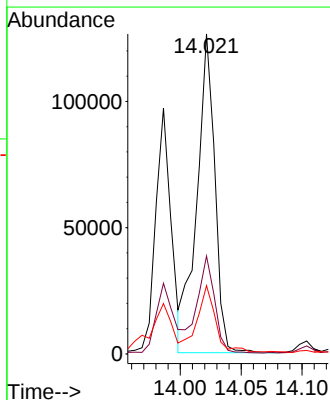
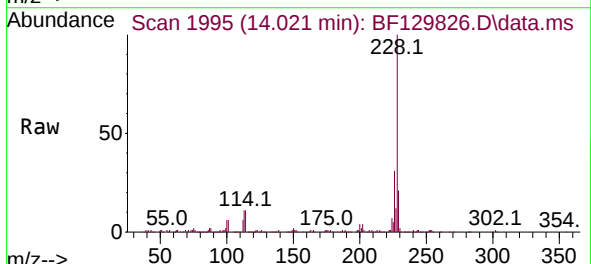
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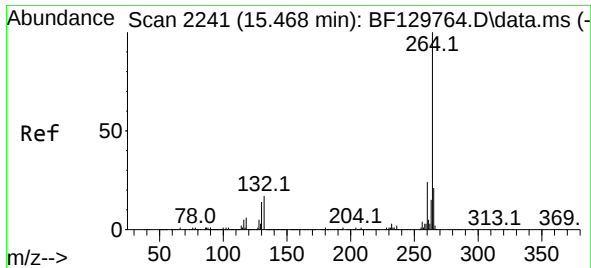
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#83
Chrysene
Concen: 8.150 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

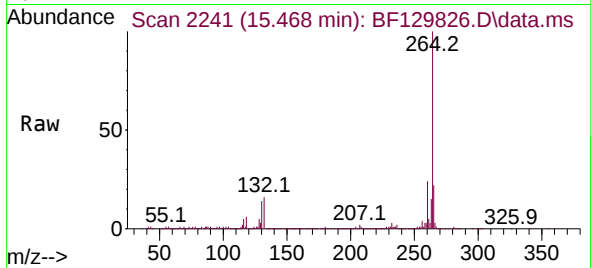
Tgt Ion:228 Resp: 129911
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.3 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

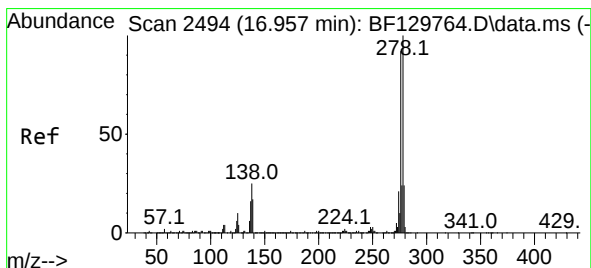
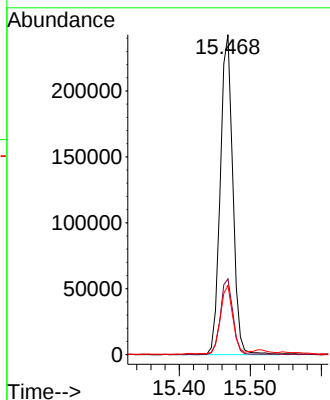
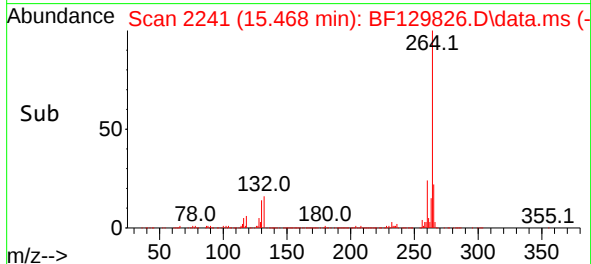
Instrument :
BNA_F
ClientSampleId :
S4



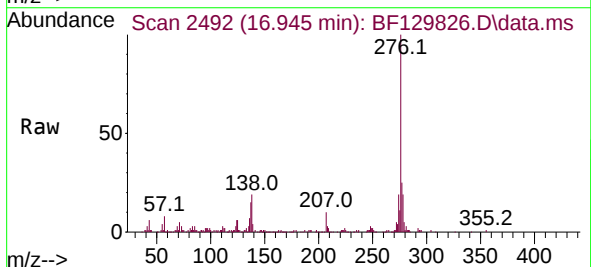
Tgt Ion:264 Resp: 29832
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 21.6 16.7 25.1

Manual Integrations
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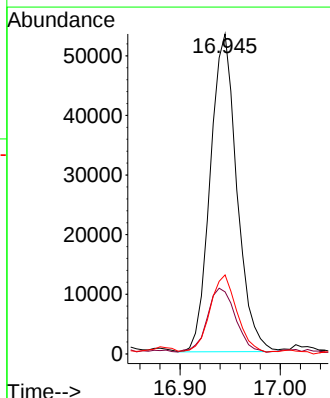
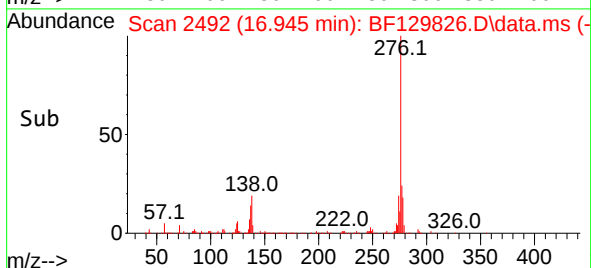
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

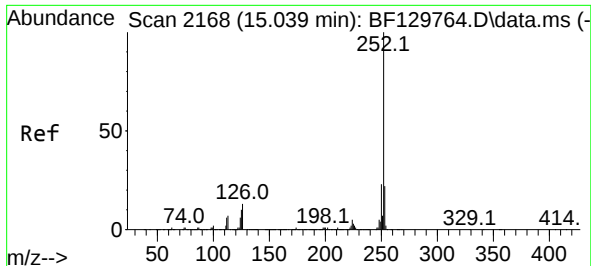


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.815 ng
RT: 16.945 min Scan# 2492
Delta R.T. -0.012 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



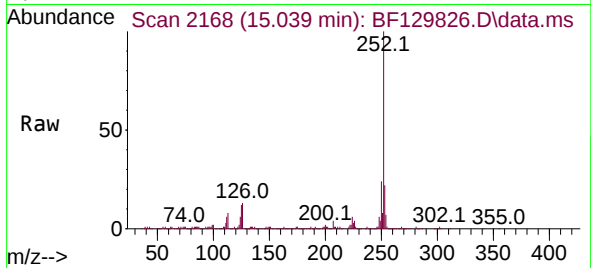
Tgt Ion:276 Resp: 98622
Ion Ratio Lower Upper
276 100
138 21.2 19.8 29.8
277 24.1 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 8.754 ng m
RT: 15.039 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

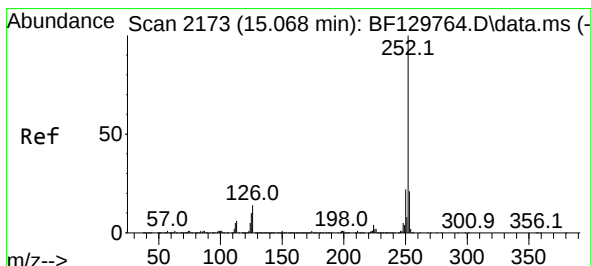
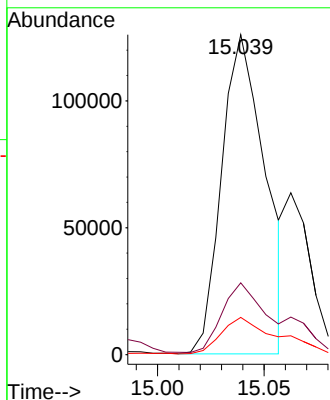
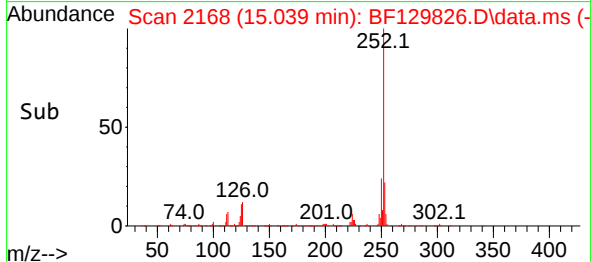
Instrument :
BNA_F
ClientSampleId :
S4



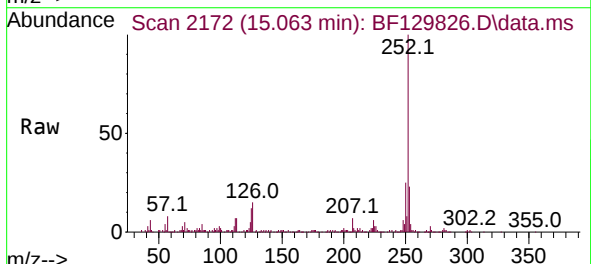
Tgt Ion:252 Resp: 178826
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 11.6 8.3 12.5

Manual Integrations
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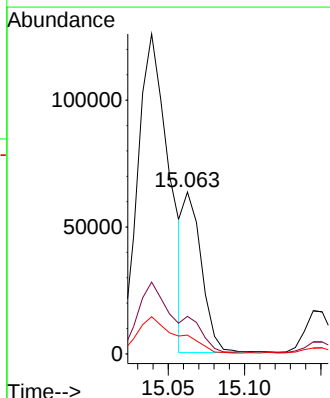
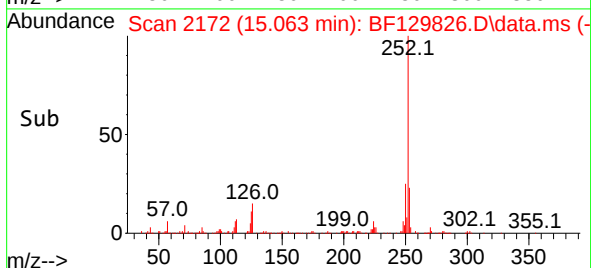
Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022

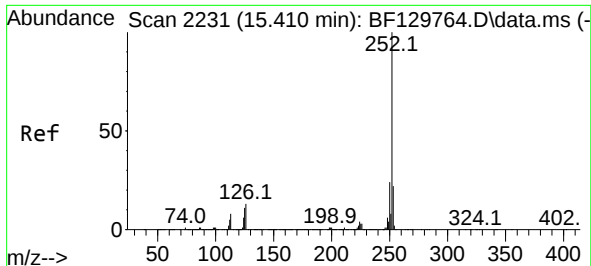


#89
Benzo(k)fluoranthene
Concen: 2.656 ng m
RT: 15.063 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



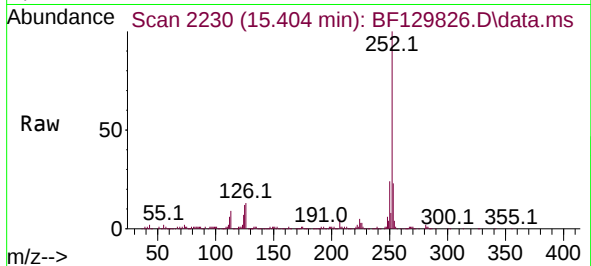
Tgt Ion:252 Resp: 52036
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 11.6 8.3 12.5





#90
Benzo(a)pyrene
Concen: 7.229 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

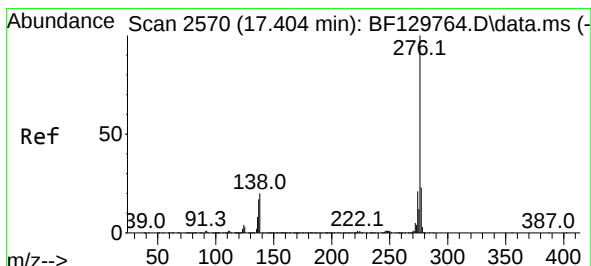
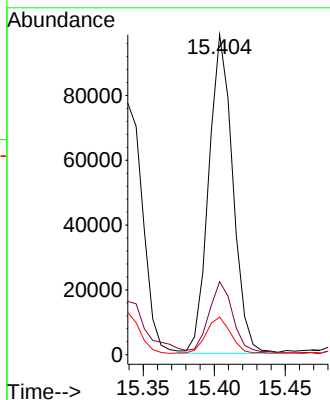
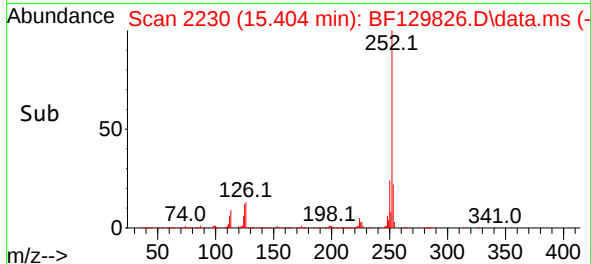
Instrument :
BNA_F
ClientSampleId :
S4



Tgt Ion:252 Resp: 116286
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 11.7 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/17/2022
Supervised By :Jagrut Upadhyay 08/17/2022



#92
Benzo(g,h,i)perylene
Concen: 5.621 ng
RT: 17.392 min Scan# 2568
Delta R.T. -0.012 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:276 Resp: 94757
Ion Ratio Lower Upper
276 100
277 23.0 18.2 27.4
138 23.0 15.8 23.8

