

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
 Data File : BF132011.D
 Acq On : 10 Jan 2023 23:08
 Operator : CG\JU
 Sample : 01089-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-2-010923

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/11/2023
 Supervised By : Jagrut Upadhyay 01/11/2023

Quant Time: Jan 11 00:41:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	60920	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	195291	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	93658	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	167577	20.000	ng	0.00
76) Chrysene-d12	13.980	240	131105	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	97596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	196050	53.028	ng	0.00
7) Phenol-d6	6.428	99	242536	49.478	ng	0.00
23) Nitrobenzene-d5	7.351	82	156216	33.199	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	45847	42.575	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	231117	33.313	ng	-0.01
79) Terphenyl-d14	12.927	244	242727	26.536	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	56844	6.507	ng	97
75) Fluoranthene	12.551	202	149406	15.207	ng	99
78) Pyrene	12.780	202	145739	12.188	ng	98
81) Benzo(a)anthracene	13.968	228	67967	7.126	ng	94
83) Chrysene	14.004	228	55476	6.223	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	24651	4.118	ng	# 93
88) Benzo(b)fluoranthene	15.021	252	63741m	9.522	ng	
89) Benzo(k)fluoranthene	15.045	252	17563m	2.629	ng	
90) Benzo(a)pyrene	15.386	252	46280	7.674	ng	# 93
92) Benzo(g,h,i)perylene	17.356	276	25504	7.923	ng	# 90

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

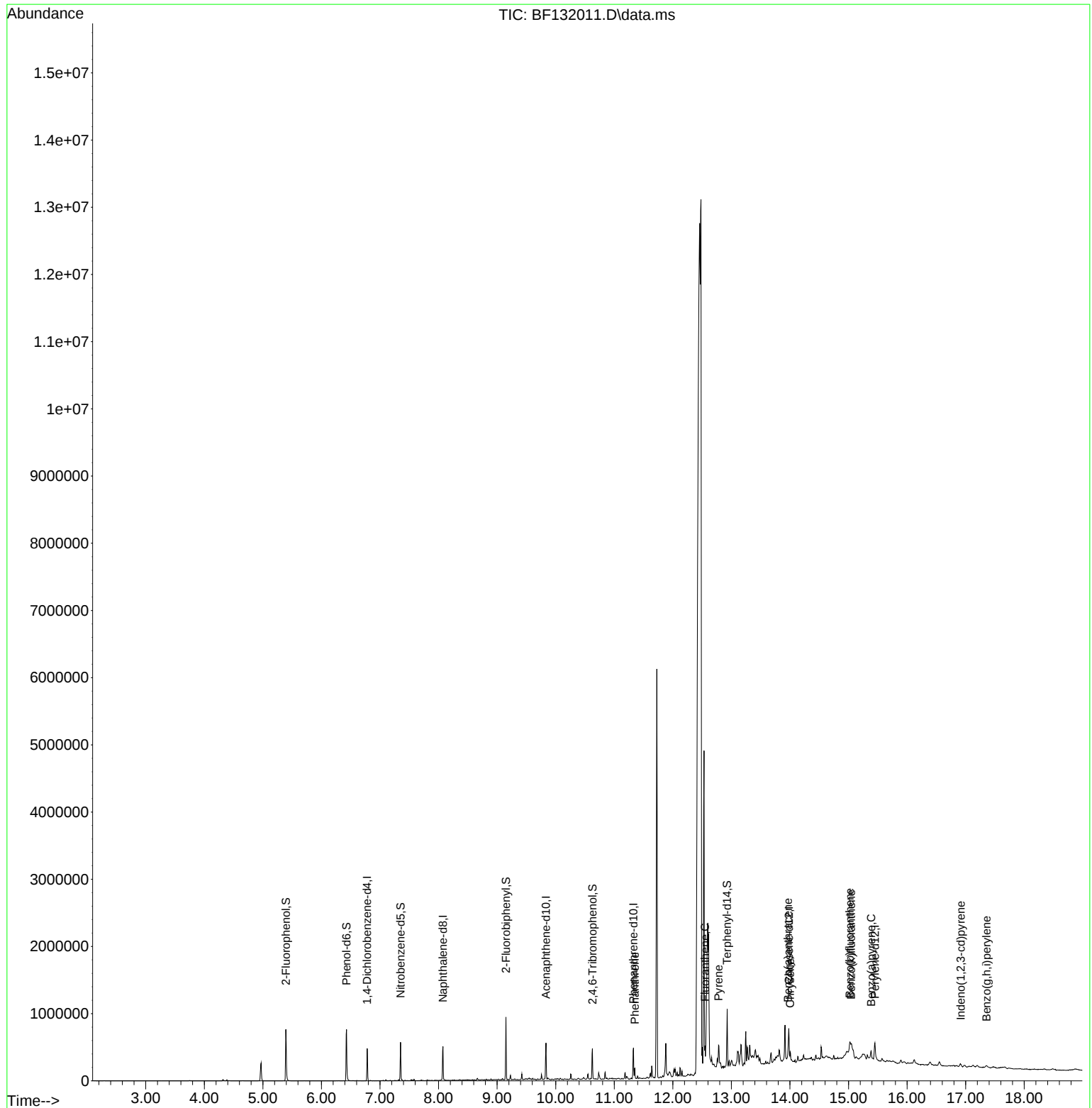
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132011.D
Acq On : 10 Jan 2023 23:08
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Misc :
ALS Vial : 17 Sample Multiplier: 1

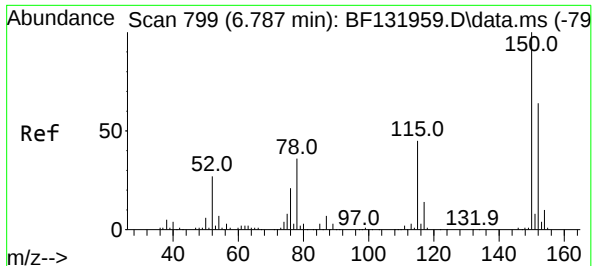
Instrument :
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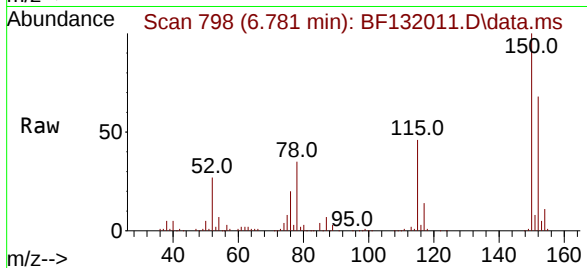
Quant Time: Jan 11 00:41:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 00:32:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

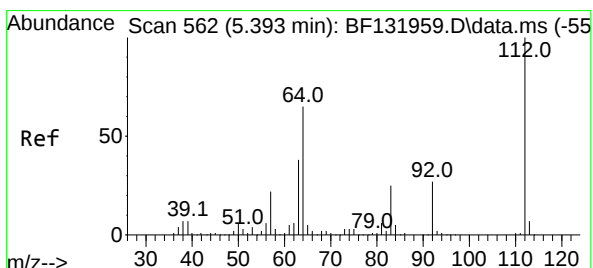
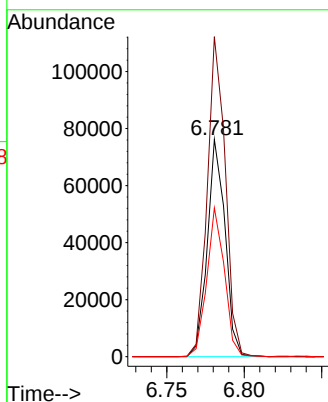
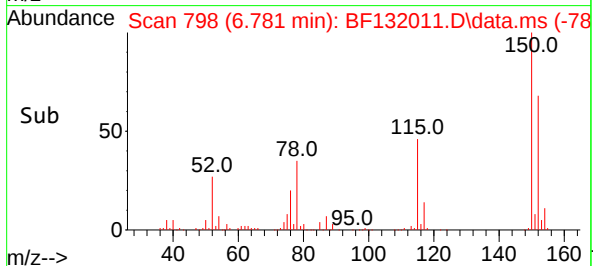
Instrument :
BNA_F
ClientSampleId :
PL-2-010923



Tgt Ion:152 Resp: 60920
Ion Ratio Lower Upper
152 100
150 147.3 124.6 186.8
115 68.5 55.6 83.4

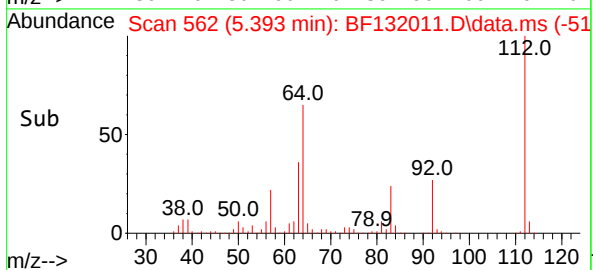
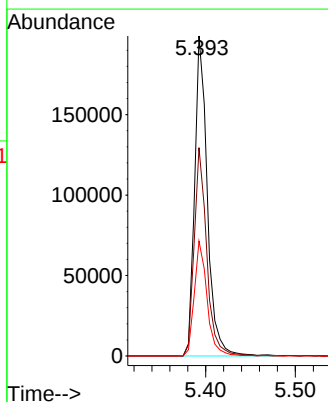
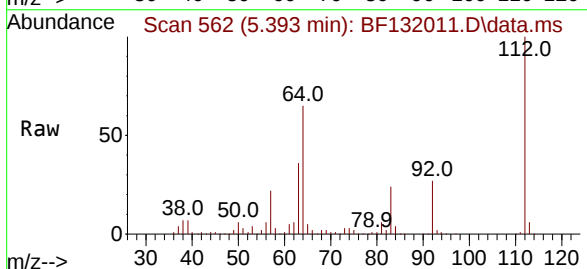
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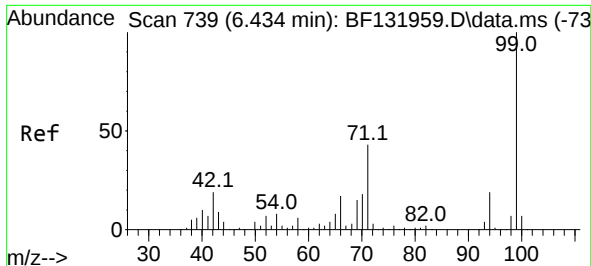
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#5
2-Fluorophenol
Concen: 53.028 ng
RT: 5.393 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

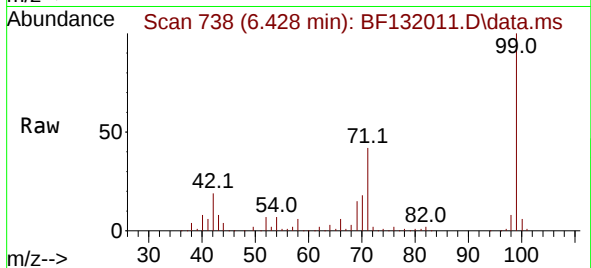
Tgt Ion:112 Resp: 196050
Ion Ratio Lower Upper
112 100
64 65.1 51.9 77.9
63 35.9 30.2 45.2





#7
Phenol-d6
Concen: 49.478 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

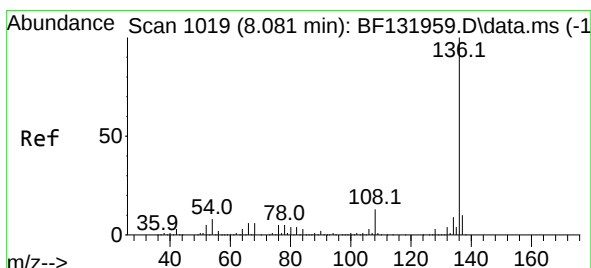
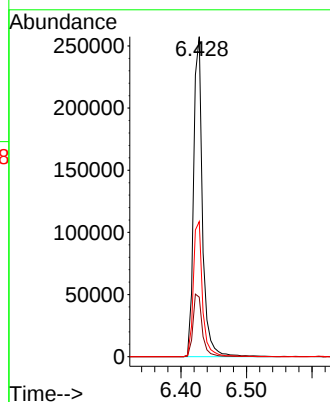
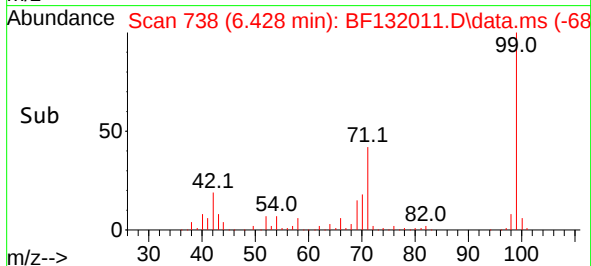
Instrument :
BNA_F
ClientSampleId :
PL-2-010923



Tgt Ion: 99 Resp: 242530
Ion Ratio Lower Upper
99 100
42 18.6 15.4 23.2
71 42.2 34.6 51.8

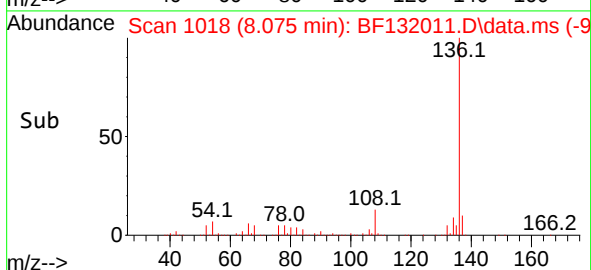
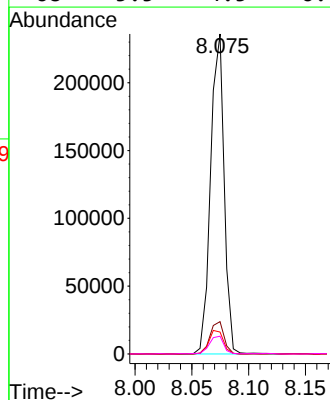
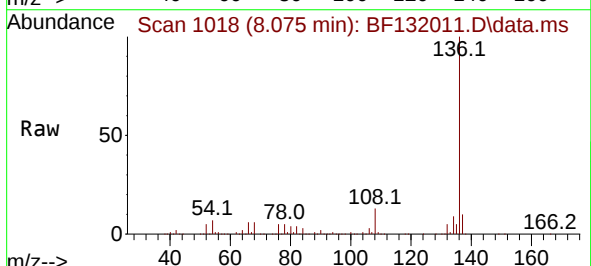
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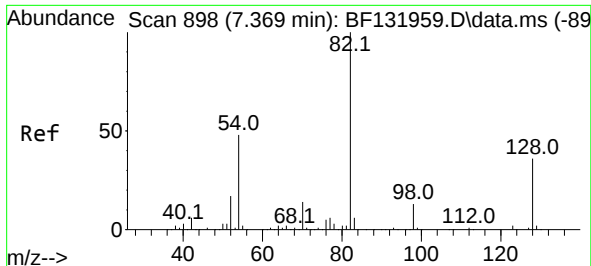
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion:136 Resp: 195291
Ion Ratio Lower Upper
136 100
137 10.1 8.2 12.2
54 6.9 6.6 9.8
68 5.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 33.199 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

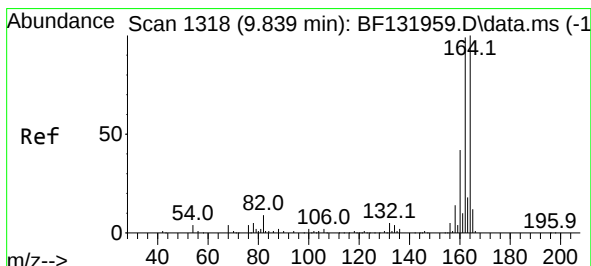
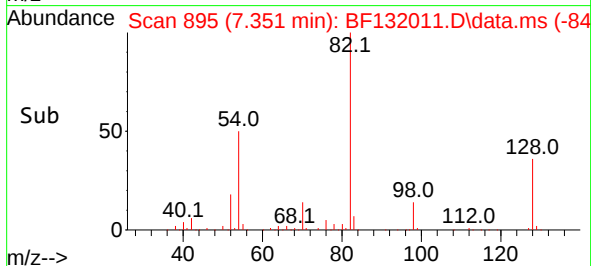
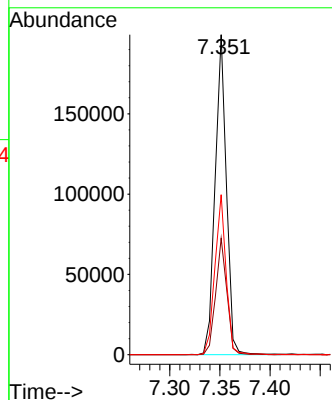
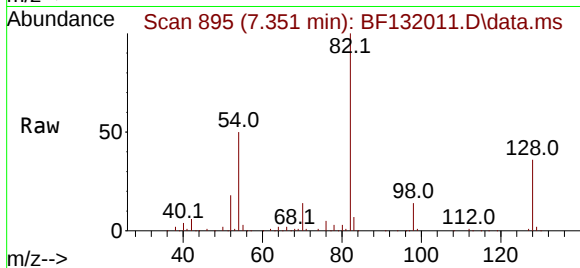
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Tgt Ion: 82 Resp: 156210
Ion Ratio Lower Upper
82 100
128 36.4 28.7 43.1
54 50.0 38.1 57.1

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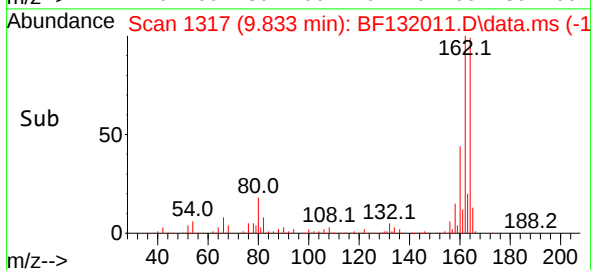
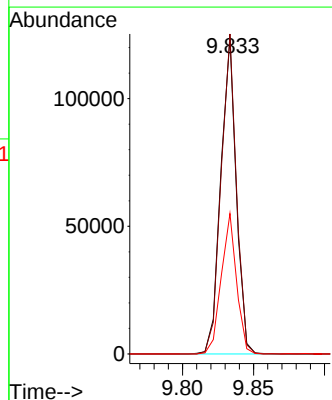
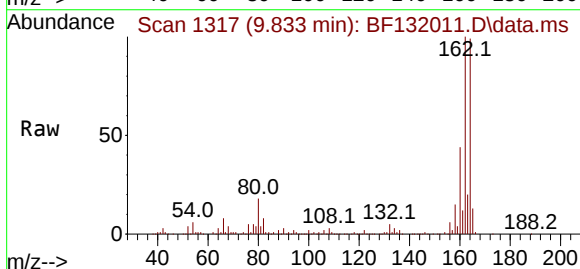
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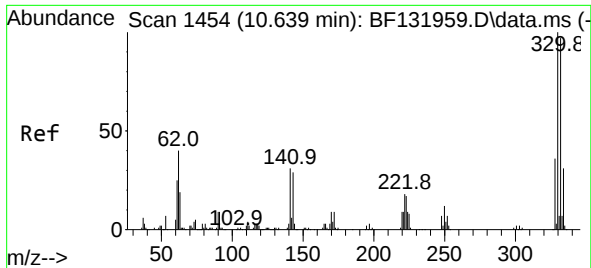
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

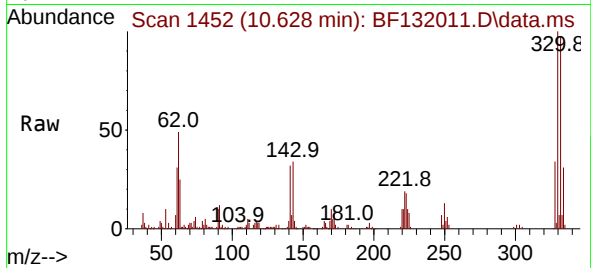
Tgt Ion:164 Resp: 93658
Ion Ratio Lower Upper
164 100
162 101.1 79.4 119.0
160 44.4 33.9 50.9





#42
2,4,6-Tribromophenol
Concen: 42.575 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

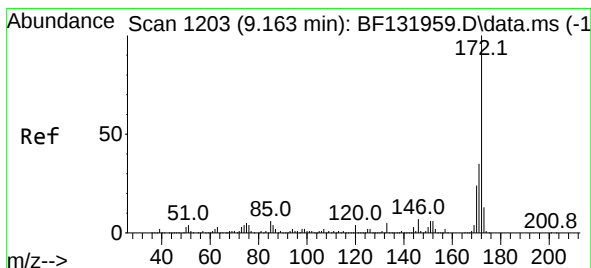
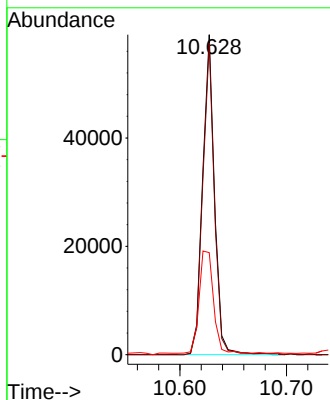
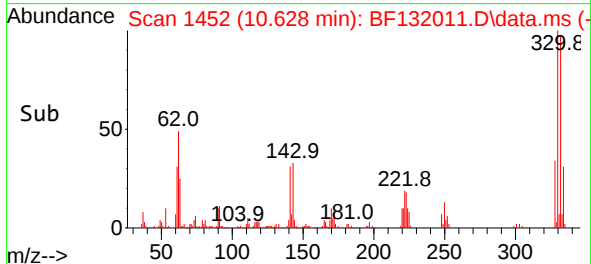
Instrument :
BNA_F
ClientSampleId :
PL-2-010923



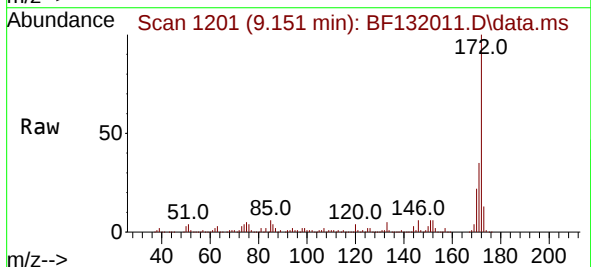
Tgt Ion: 330 Resp: 4584
Ion Ratio Lower Upper
330 100
332 95.3 76.9 115.3
141 38.4 31.3 46.9

Manual Integrations
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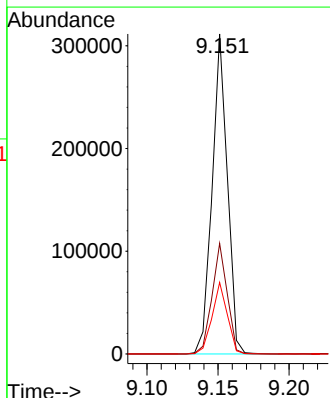
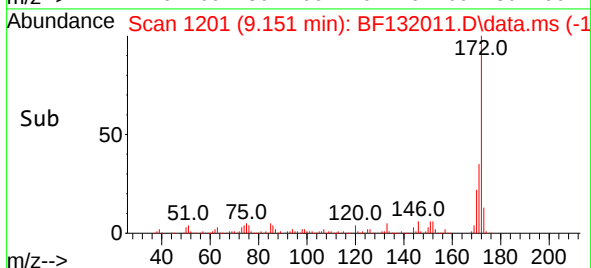
Reviewed By : Christian Giraldo 01/11/2023
Supervised By : Jagrut Upadhyay 01/11/2023

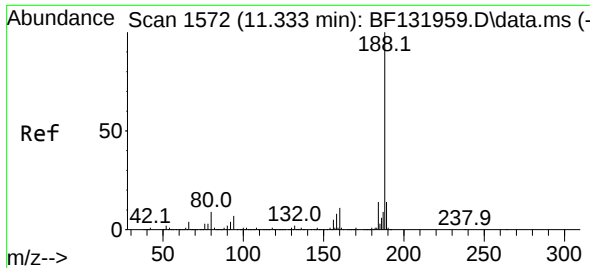


#45
2-Fluorobiphenyl
Concen: 33.313 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08



Tgt Ion: 172 Resp: 231117
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 22.3 18.9 28.3





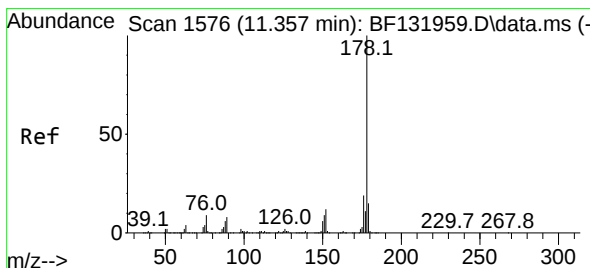
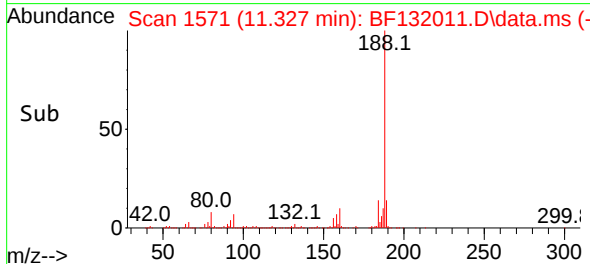
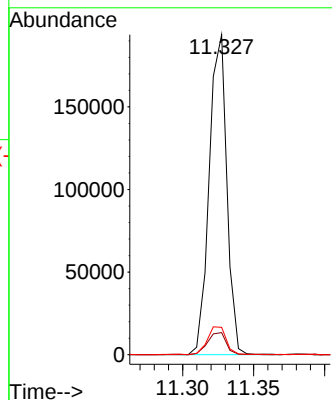
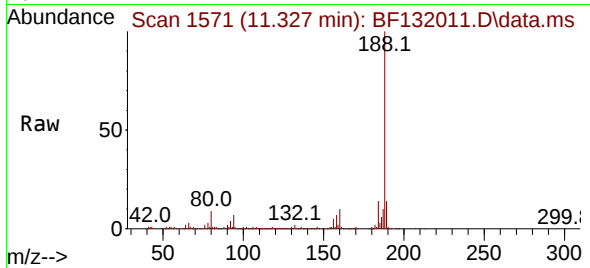
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Instrument :
BNA_F
ClientSampleId :
PL-2-010923

Tgt Ion:188 Resp: 16757
Ion Ratio Lower Upper
188 100
94 6.9 5.8 8.6
80 8.6 7.4 11.0

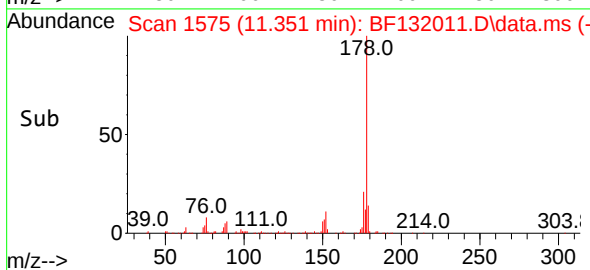
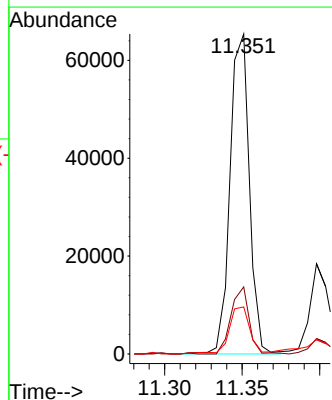
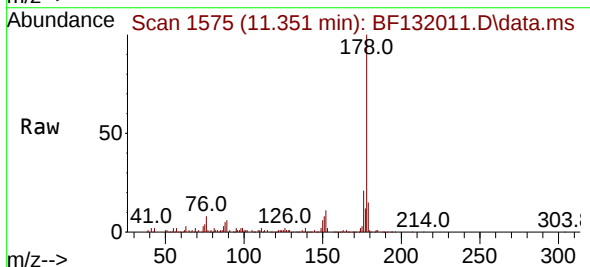
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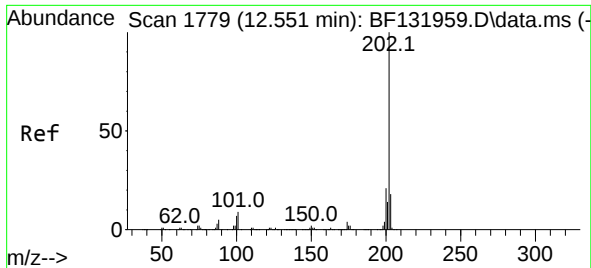
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#71
Phenanthrene
Concen: 6.507 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

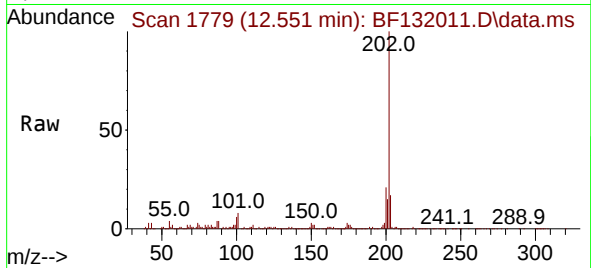
Tgt Ion:178 Resp: 56844
Ion Ratio Lower Upper
178 100
176 20.9 15.5 23.3
179 14.7 12.4 18.6





#75
Fluoranthene
Concen: 15.207 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

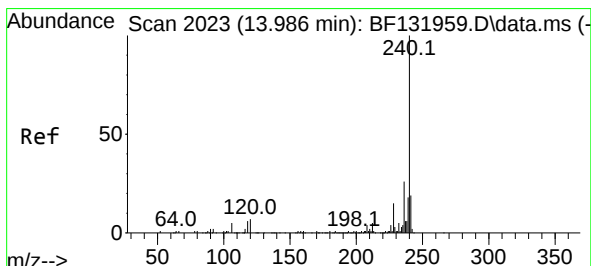
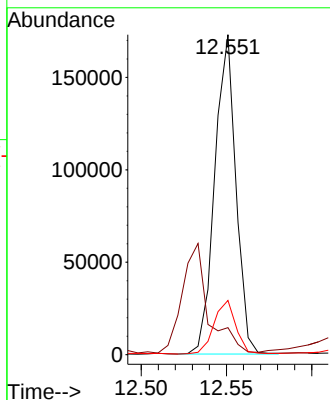
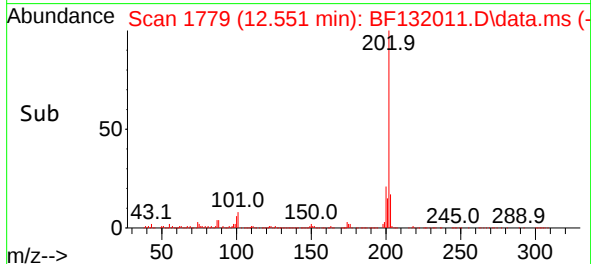
Instrument :
BNA_F
ClientSampleId :
PL-2-010923



Tgt Ion:202 Resp: 149400
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.8
203 16.9 0.0 37.6

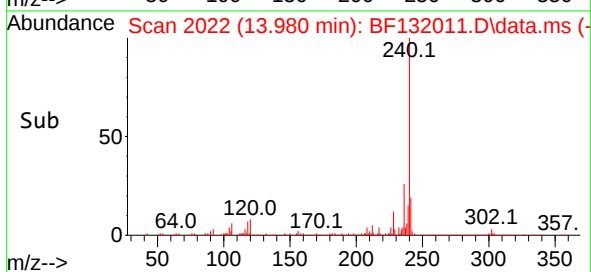
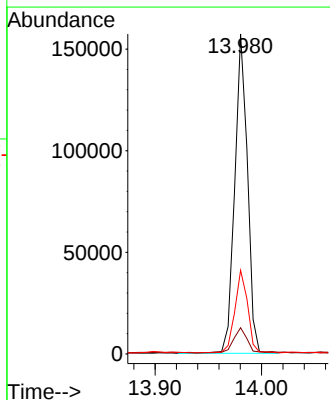
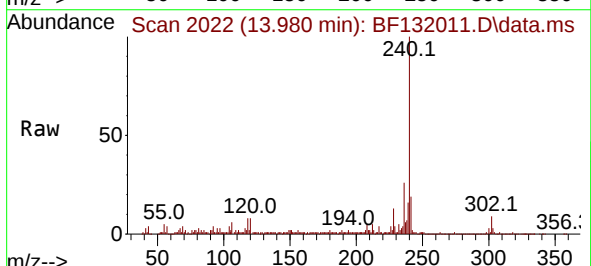
Manual Integrations
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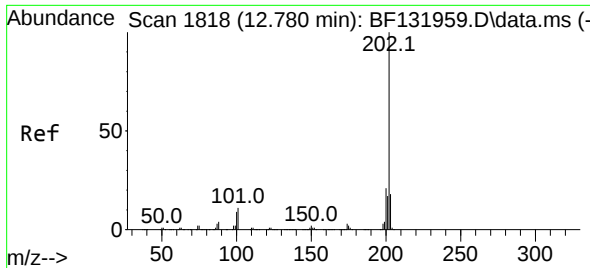
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

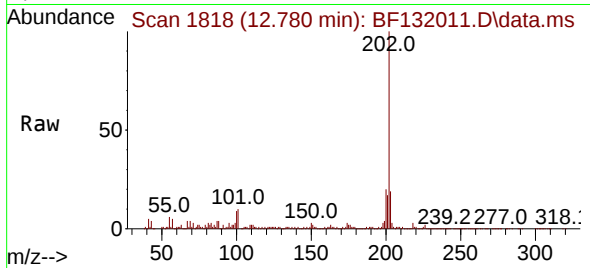
Tgt Ion:240 Resp: 131105
Ion Ratio Lower Upper
240 100
120 8.2 5.4 8.0#
236 26.1 21.1 31.7





#78
Pyrene
Concen: 12.188 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

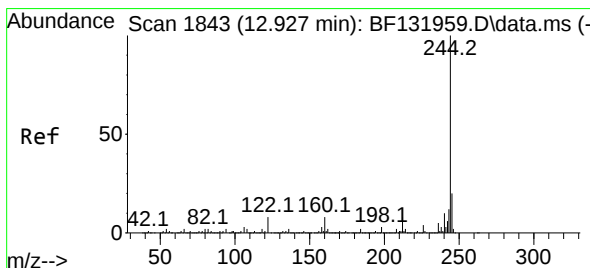
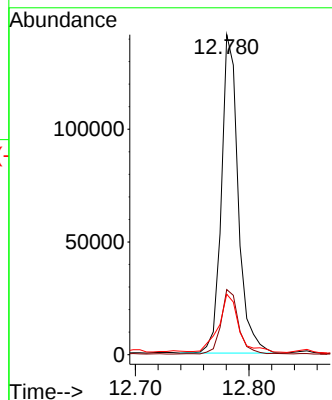
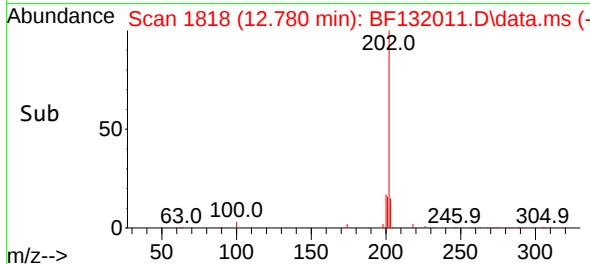
Instrument :
BNA_F
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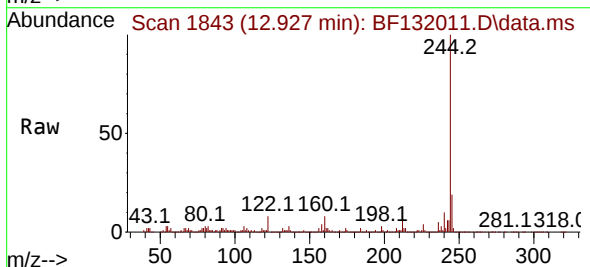
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Ion Ratio Lower Upper
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200 20.4 17.0 25.6
203 18.9 14.1 21.1

Manual Integrations
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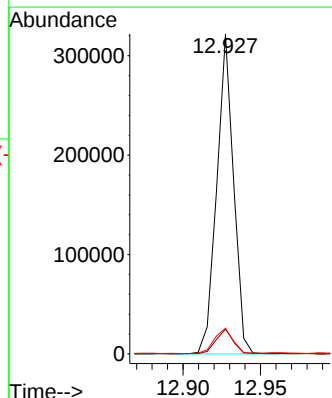
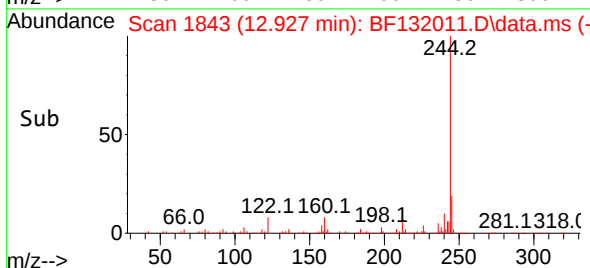
Reviewed By :Christian Giraldo 01/11/2023
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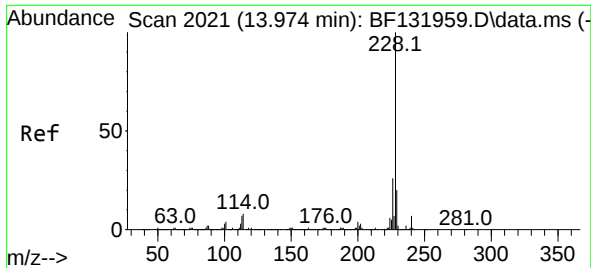


#79
Terphenyl-d14
Concen: 26.536 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08



Tgt Ion:244 Resp: 242727
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 8.1 6.8 10.2





#81
Benzo(a)anthracene
Concen: 7.126 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

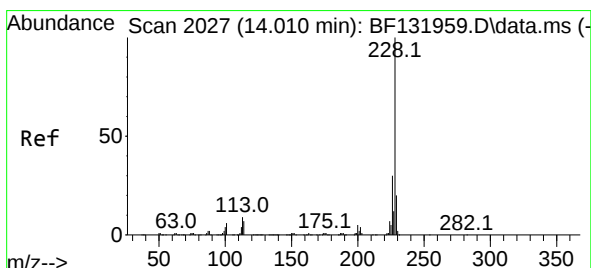
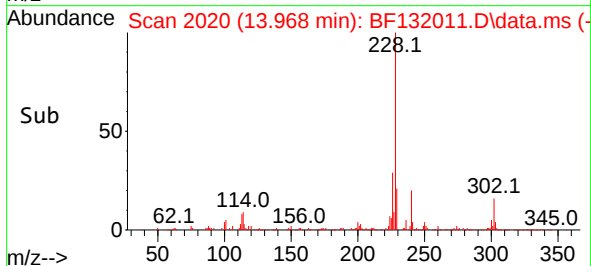
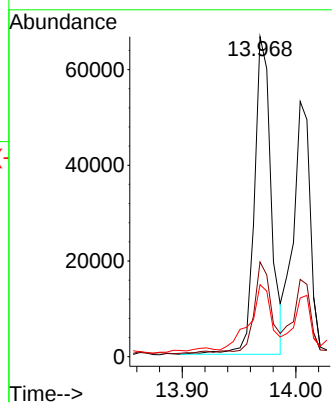
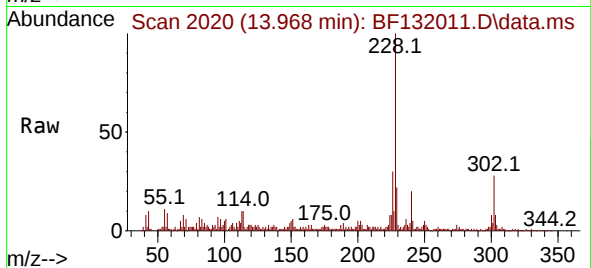
PL-2-010923

Tgt Ion:228 Resp: 6796
Ion Ratio Lower Upper
228 100
226 29.6 21.0 31.4
229 22.5 15.8 23.6

Manual Integrations

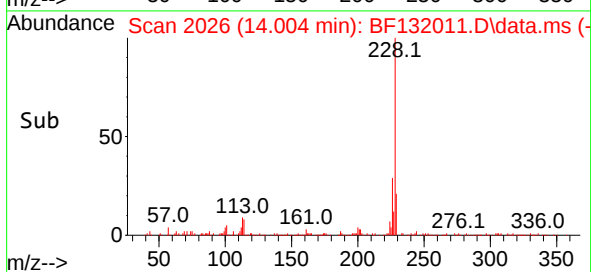
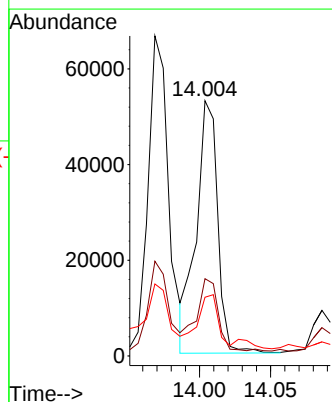
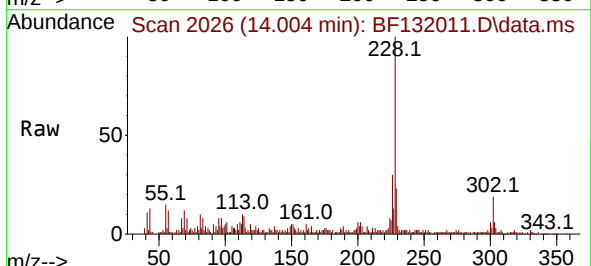
APPROVED

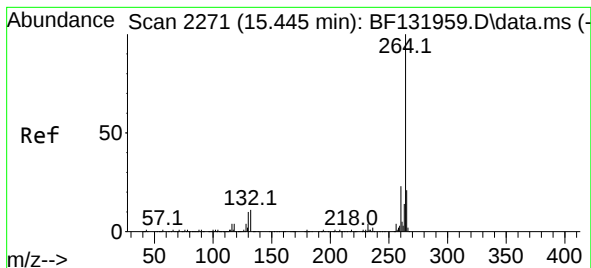
Reviewed By :Christian Giraldo 01/11/2023
Supervised By :Jagrut Upadhyay 01/11/2023



#83
Chrysene
Concen: 6.223 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF132011.D
Acq: 10 Jan 2023 23:08

Tgt Ion:228 Resp: 55476
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 23.0 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923

Tgt Ion:264 Resp: 97590

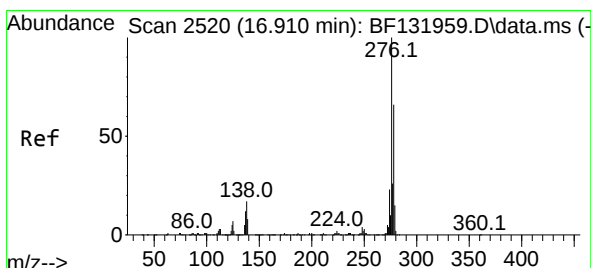
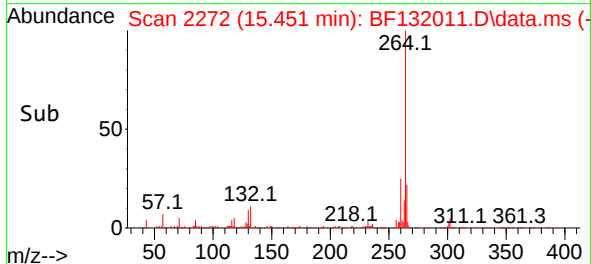
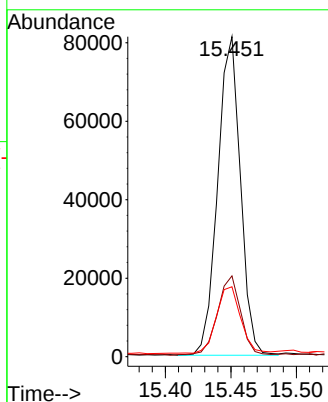
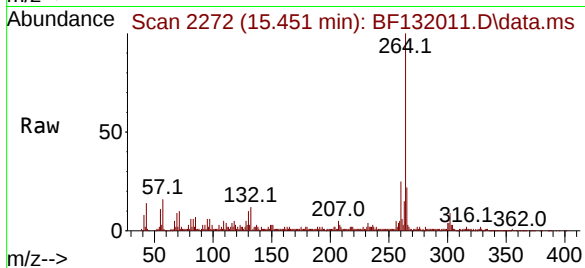
Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.3	27.5
265	21.8	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023

Supervised By :Jagrut Upadhyay 01/11/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.118 ng

RT: 16.915 min Scan# 2521

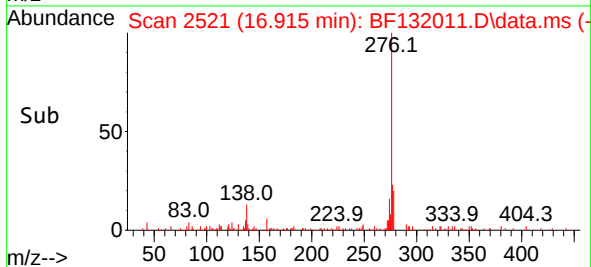
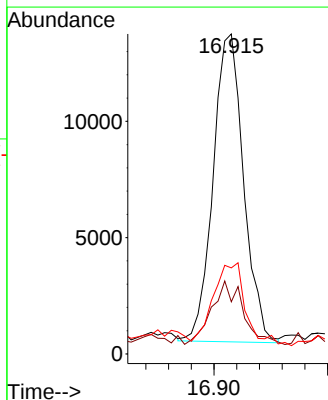
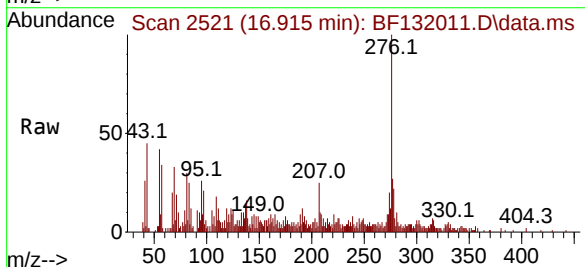
Delta R.T. 0.006 min

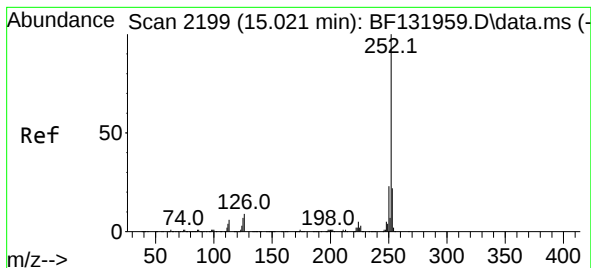
Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Tgt Ion:276 Resp: 24651

Ion	Ratio	Lower	Upper
276	100		
138	21.3	14.2	21.2#
277	28.6	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 9.522 ng m

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923

Tgt Ion:252 Resp: 6374

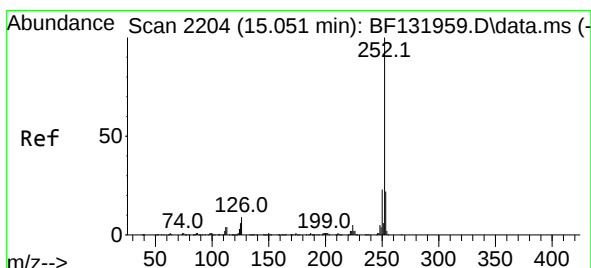
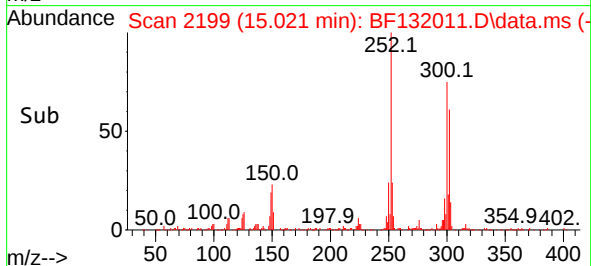
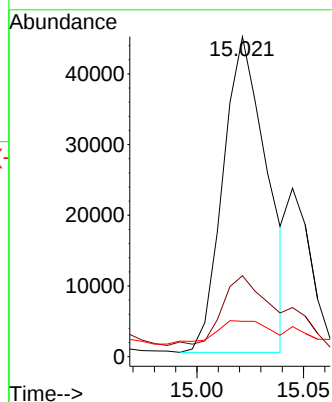
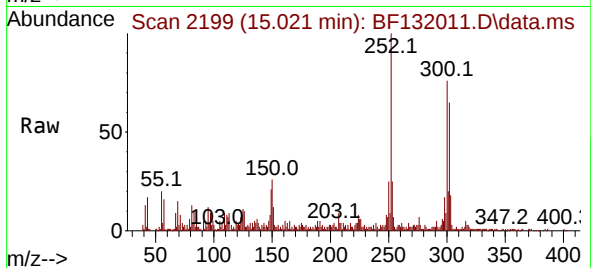
Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	11.1	5.8	8.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023

Supervised By :Jagrut Upadhyay 01/11/2023



#89

Benzo(k)fluoranthene

Concen: 2.629 ng m

RT: 15.045 min Scan# 2203

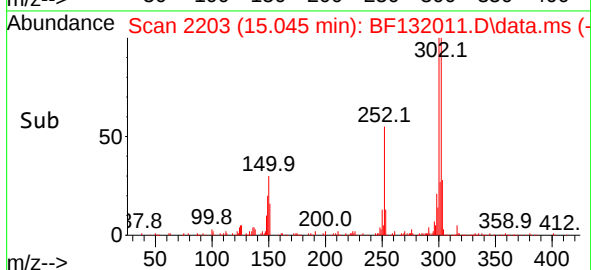
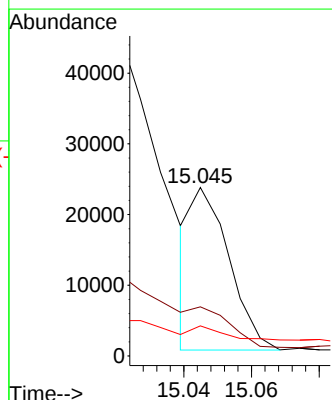
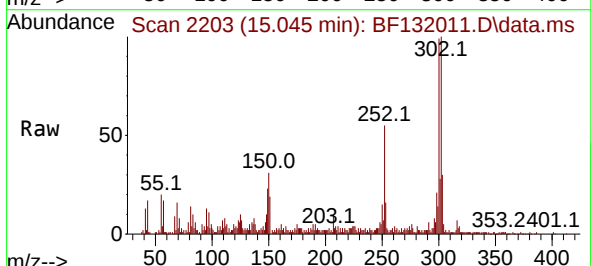
Delta R.T. -0.006 min

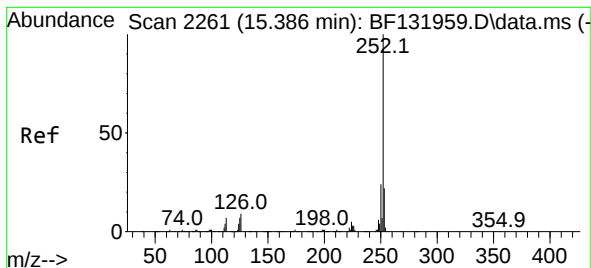
Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Tgt Ion:252 Resp: 17563

Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.8	26.6
125	17.8	5.2	7.8





#90

Benzo(a)pyrene

Concen: 7.674 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Instrument :

BNA_F

ClientSampleId :

PL-2-010923

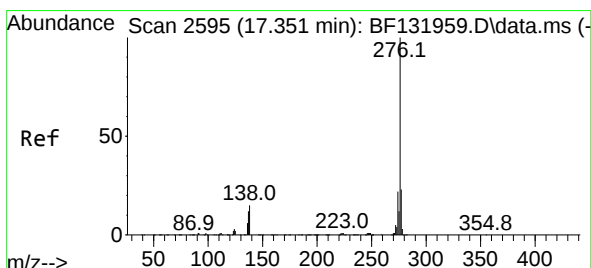
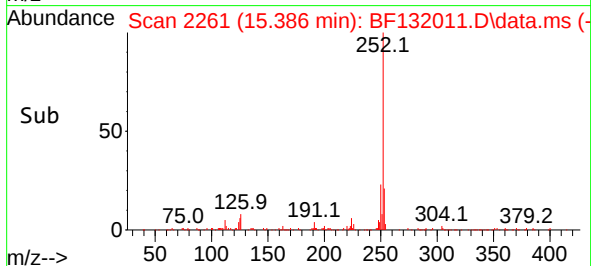
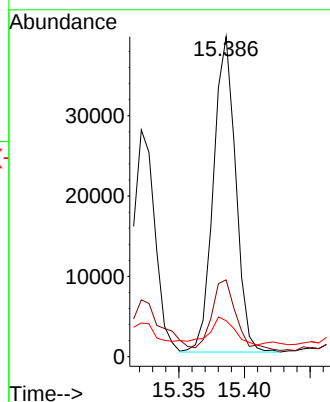
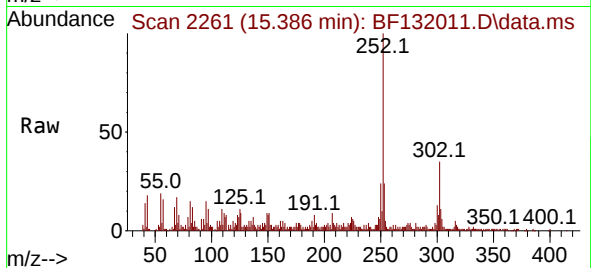
Tgt Ion:	252	Resp:	46280
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.0
125	11.3	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/11/2023

Supervised By :Jagrut Upadhyay 01/11/2023



#92

Benzo(g,h,i)perylene

Concen: 7.923 ng

RT: 17.356 min Scan# 2596

Delta R.T. 0.005 min

Lab File: BF132011.D

Acq: 10 Jan 2023 23:08

Tgt Ion:	276	Resp:	25504
Ion Ratio	Lower	Upper	
276	100		
277	26.0	18.2	27.2
138	21.0	11.7	17.5

