

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
 Data File : BF131933.D
 Acq On : 06 Jan 2023 00:50
 Operator : CG\JU
 Sample : N6243-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/06/2023
 Supervised By : Jagrut Upadhyay 01/06/2023

Quant Time: Jan 06 03:16:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 03:02:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	62429	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	217141	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	111451	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	168831	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	137118	20.000	ng	0.00
86) Perylene-d12	15.486	264	125722	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	371010	98.487	ng	0.01
7) Phenol-d6	6.440	99	480979	97.182	ng	0.00
23) Nitrobenzene-d5	7.375	82	348276	64.037	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	91045	75.187	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	572241	70.328	ng	0.00
79) Terphenyl-d14	12.945	244	448708	55.354	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	49662	5.349	ng	97
75) Fluoranthene	12.569	202	169787	15.700	ng	98
78) Pyrene	12.798	202	158668	13.806	ng	98
81) Benzo(a)anthracene	13.992	228	135048	13.603	ng	99
83) Chrysene	14.033	228	113689	12.187	ng	98
87) Indeno(1,2,3-cd)pyrene	16.957	276	59975	7.509	ng	97
88) Benzo(b)fluoranthene	15.051	252	163455m	17.731	ng	
89) Benzo(k)fluoranthene	15.080	252	59485m	6.678	ng	
90) Benzo(a)pyrene	15.421	252	120273	16.852	ng	97
92) Benzo(g,h,i)perylene	17.404	276	55868	11.678	ng	98

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

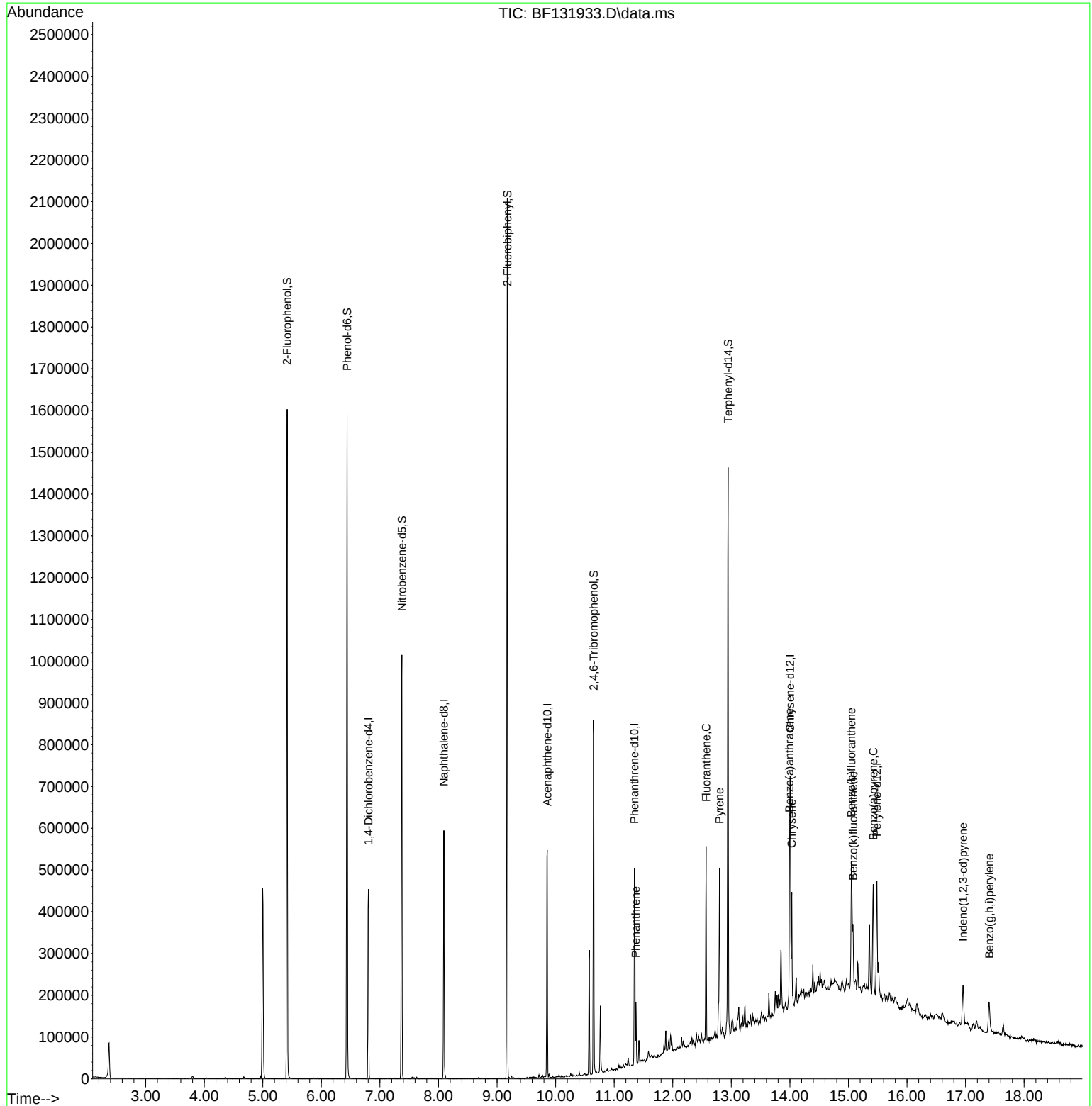
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
Data File : BF131933.D
Acq On : 06 Jan 2023 00:50
Operator : CG\JU
Sample : N6243-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

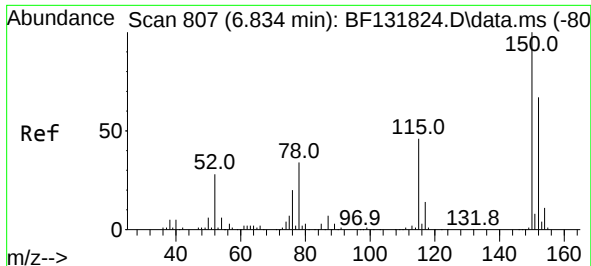
Instrument :
BNA_F
ClientSampleId :
PE-3

Quant Time: Jan 06 03:16:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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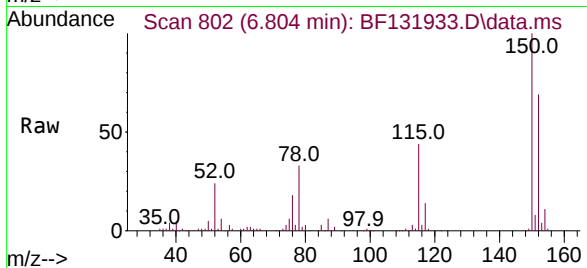
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

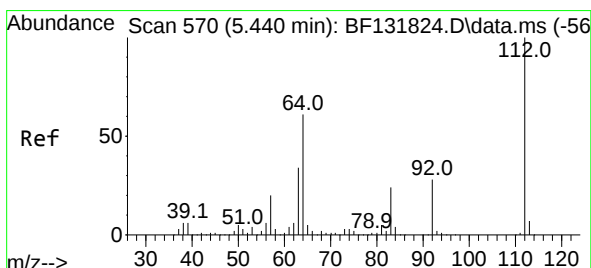
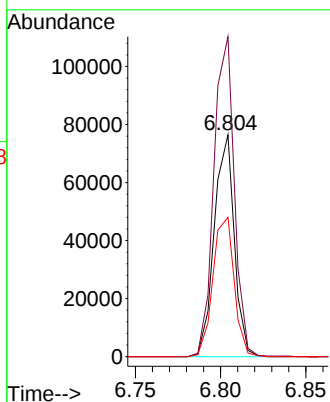
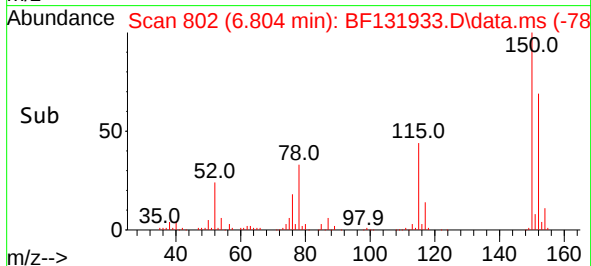
Instrument :
BNA_F
ClientSampleId :
PE-3



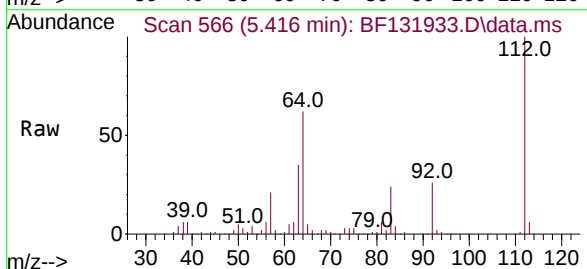
Tgt Ion:152 Resp: 62429
Ion Ratio Lower Upper
152 100
150 144.3 120.0 180.0
115 62.8 55.1 82.7

Manual Integrations
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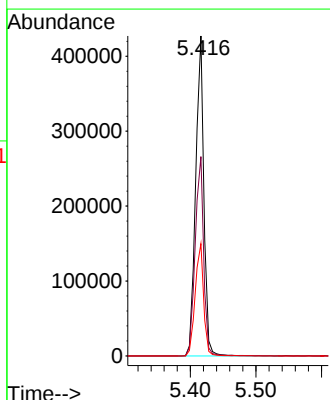
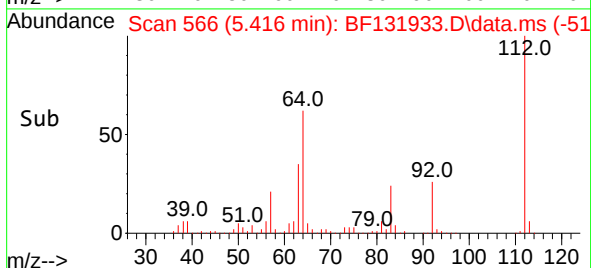
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023

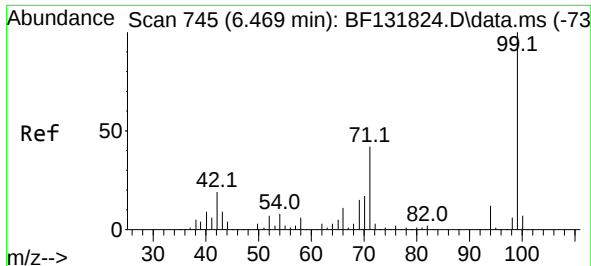


#5
2-Fluorophenol
Concen: 98.487 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50



Tgt Ion:112 Resp: 371010
Ion Ratio Lower Upper
112 100
64 62.3 49.2 73.8
63 35.1 27.5 41.3





#7

Phenol-d6

Concen: 97.182 ng

RT: 6.440 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF131933.D

Acq: 06 Jan 2023 00:50

Instrument :

BNA_F

ClientSampleId :

PE-3

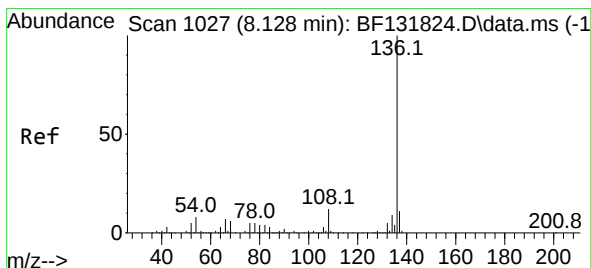
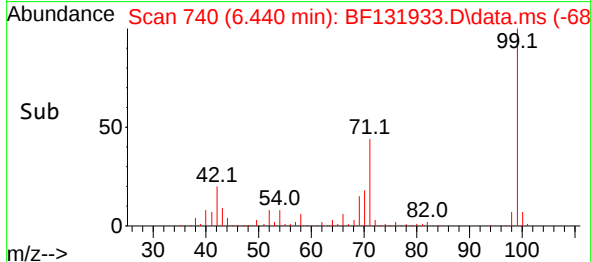
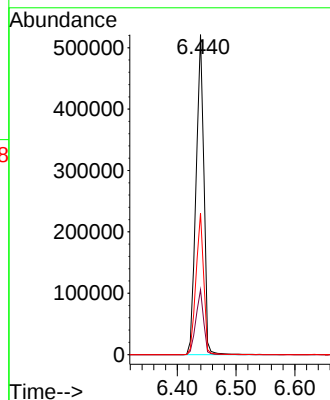
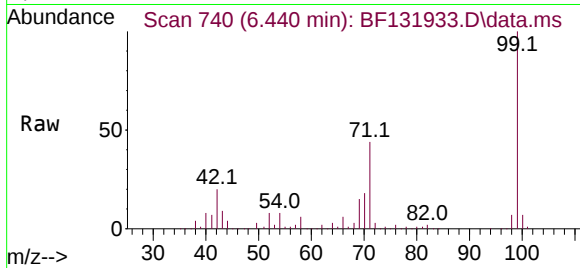
Tgt Ion: 99 Resp: 480979

Ion	Ratio	Lower	Upper
99	100		
42	20.3	15.3	22.9
71	44.2	33.5	50.3

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1021

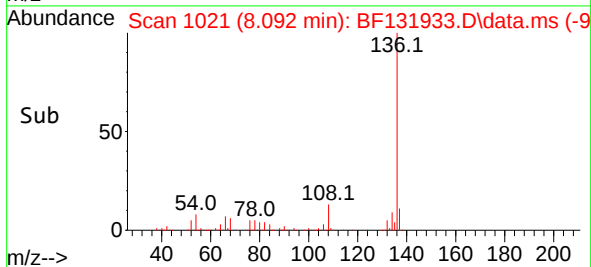
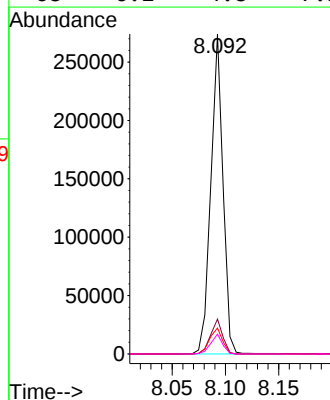
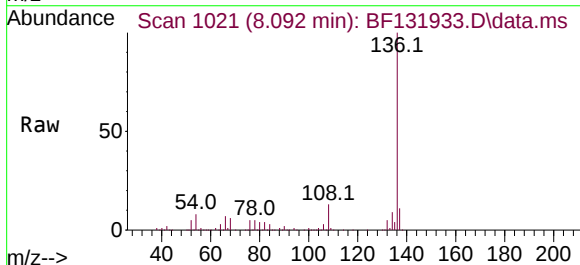
Delta R.T. -0.006 min

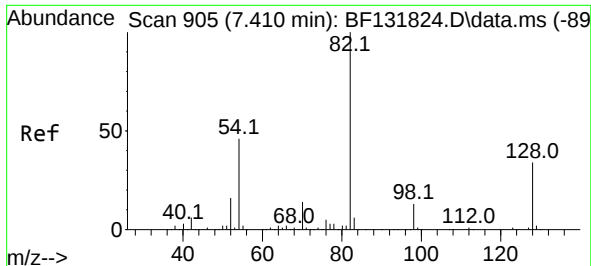
Lab File: BF131933.D

Acq: 06 Jan 2023 00:50

Tgt Ion:136 Resp: 217141

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.1	6.7	10.1
68	6.2	4.8	7.2





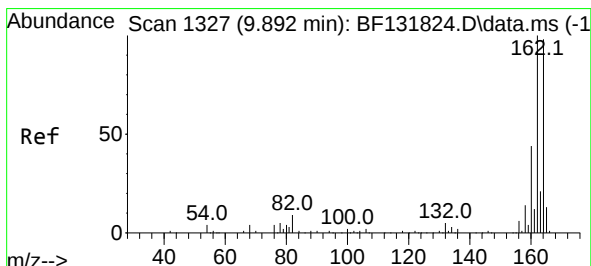
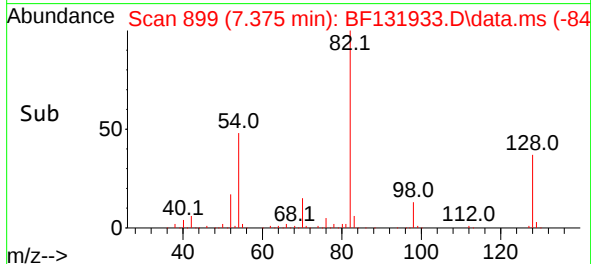
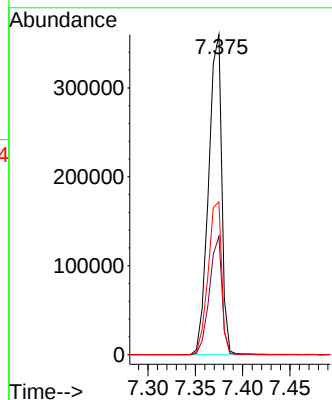
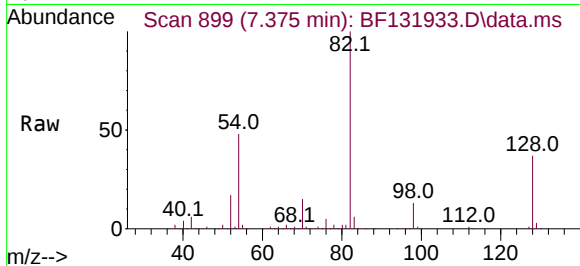
#23
Nitrobenzene-d5
Concen: 64.037 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

Instrument :
BNA_F
Client SampleId :
PE-3

Tgt Ion: 82 Resp: 348276
Ion Ratio Lower Upper
82 100
128 36.9 27.1 40.7
54 47.7 37.0 55.6

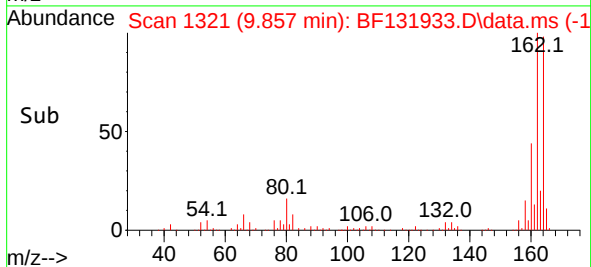
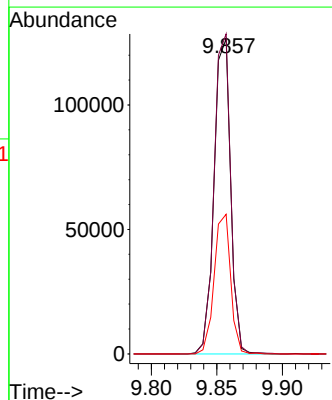
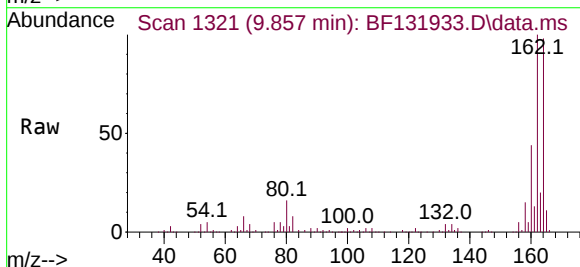
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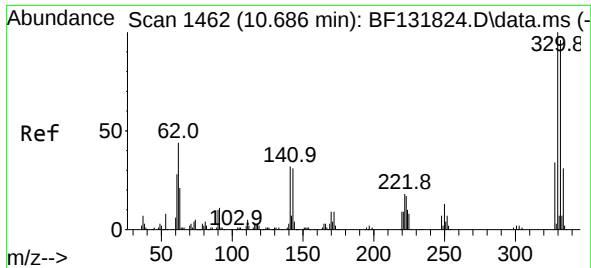
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

Tgt Ion:164 Resp: 111451
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.6
160 44.3 35.7 53.5





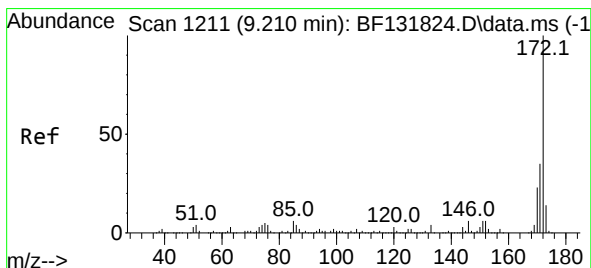
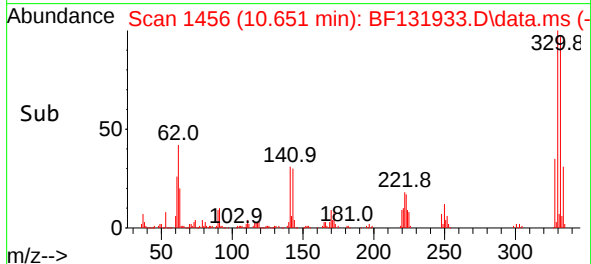
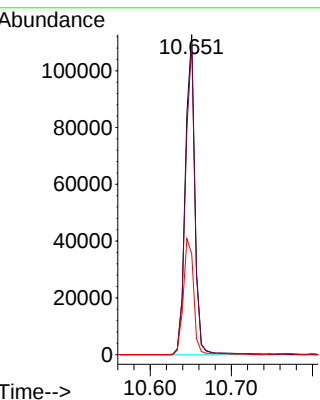
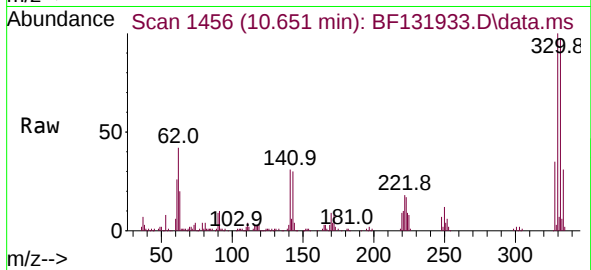
#42
2,4,6-Tribromophenol
Concen: 75.187 ng
RT: 10.651 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

Instrument :
BNA_F
ClientSampleId :
PE-3

Tgt Ion: 330 Resp: 91045
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.4
141 40.0 31.0 46.4

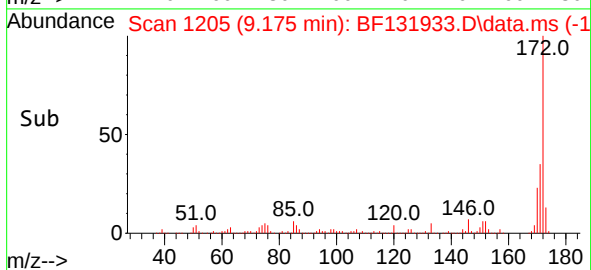
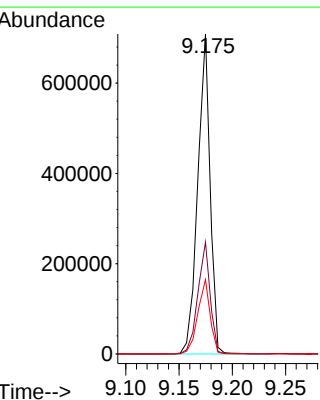
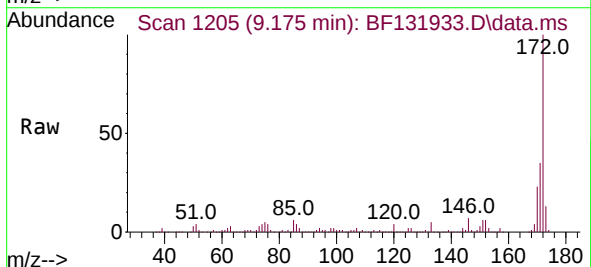
Manual Integrations
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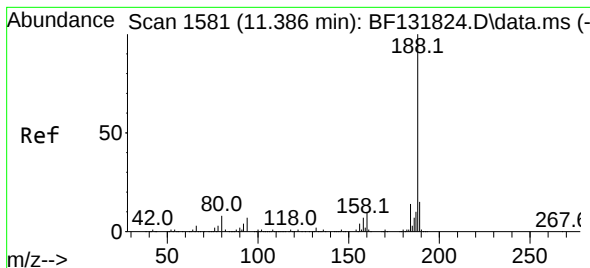
Reviewed By : Christian Giraldo 01/06/2023
Supervised By : Jagrut Upadhyay 01/06/2023



#45
2-Fluorobiphenyl
Concen: 70.328 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

Tgt Ion: 172 Resp: 572241
Ion Ratio Lower Upper
172 100
171 34.9 27.9 41.9
170 23.2 18.7 28.1





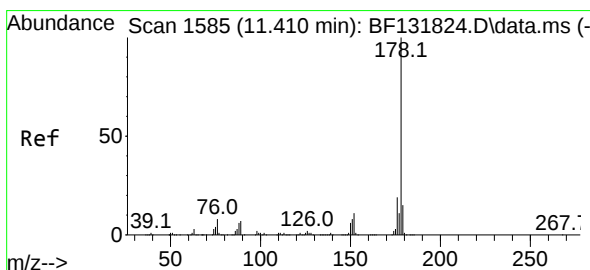
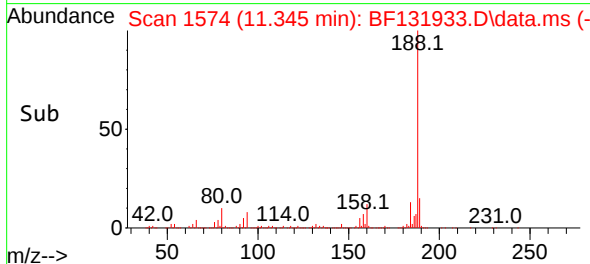
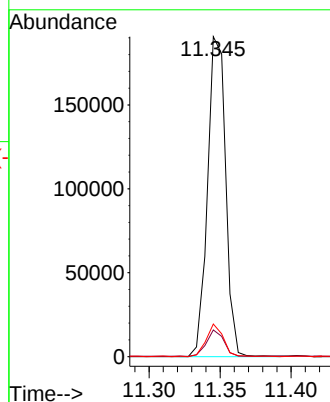
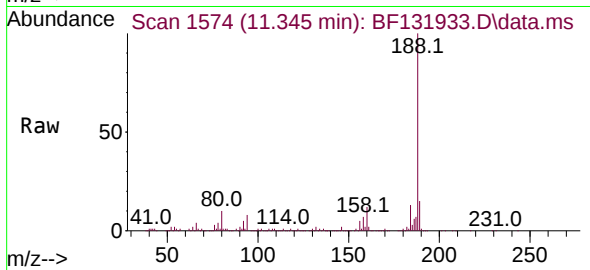
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

Instrument :
BNA_F
ClientSampleId :
PE-3

Tgt Ion:188 Resp: 16883
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.6
80 10.2 6.7 10.1

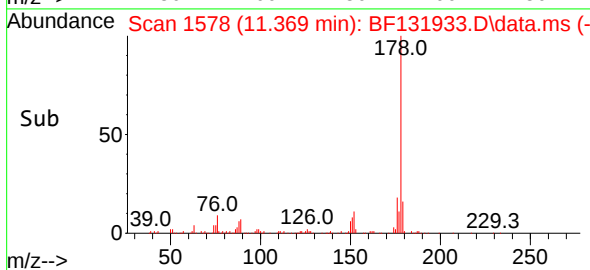
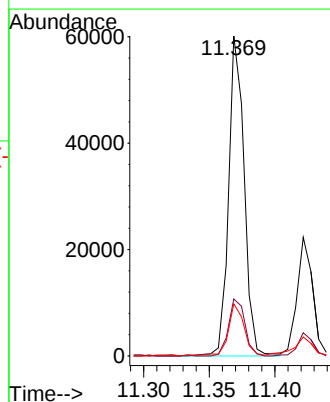
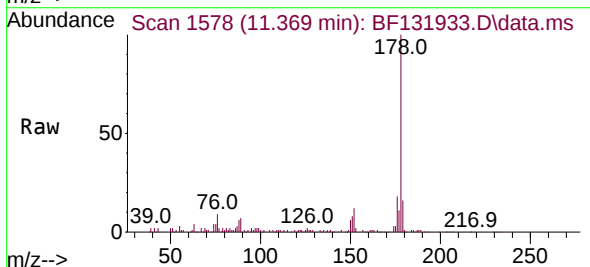
Manual Integrations
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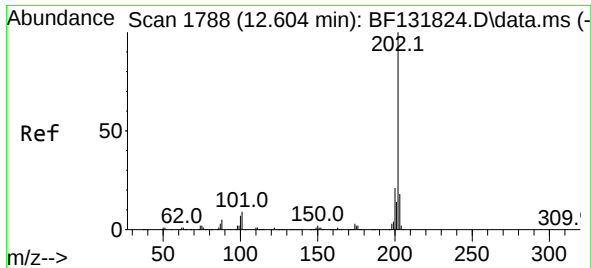
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#71
Phenanthrene
Concen: 5.349 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

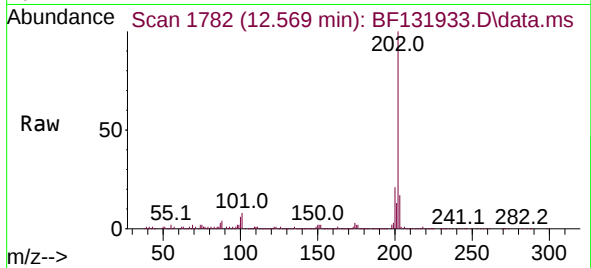
Tgt Ion:178 Resp: 49662
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 16.3 12.2 18.4





#75
Fluoranthene
Concen: 15.700 ng
RT: 12.569 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

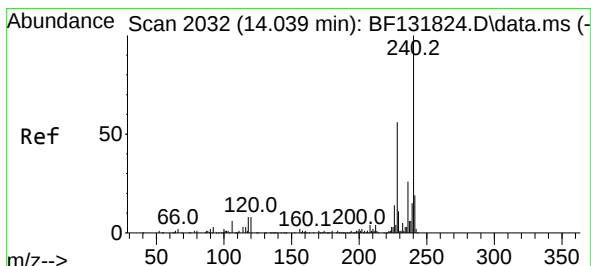
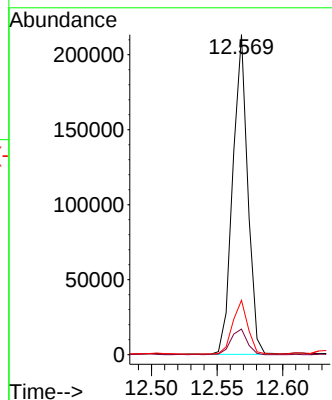
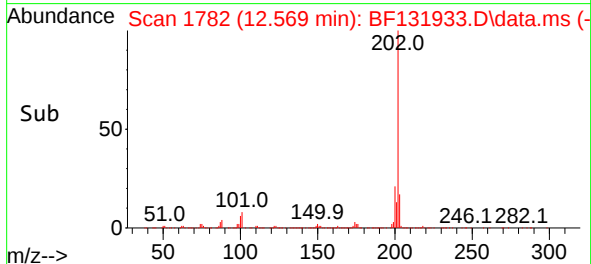
Instrument :
BNA_F
ClientSampleId :
PE-3



Tgt Ion:202 Resp: 16978
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.6
203 17.0 0.0 37.8

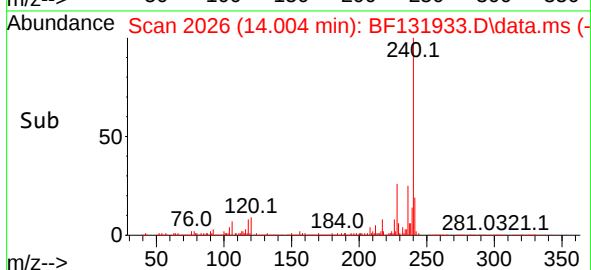
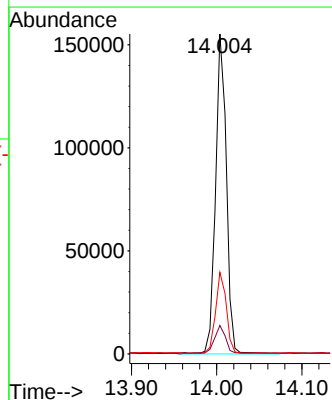
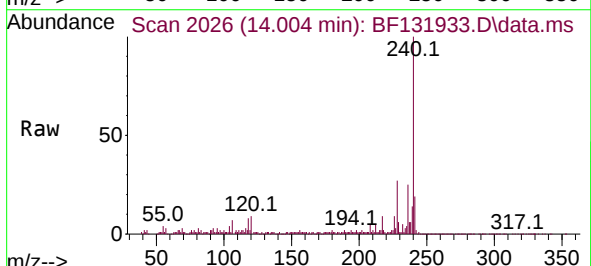
Manual Integrations
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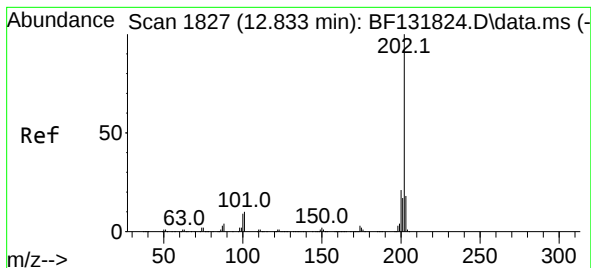
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

Tgt Ion:240 Resp: 137118
Ion Ratio Lower Upper
240 100
120 8.9 6.7 10.1
236 25.5 20.6 31.0





#78

Pyrene

Concen: 13.806 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF131933.D

Acq: 06 Jan 2023 00:50

Instrument :

BNA_F

ClientSampleId :

PE-3

Tgt Ion:202 Resp: 158668

Ion Ratio Lower Upper

202 100

200 20.1 16.7 25.1

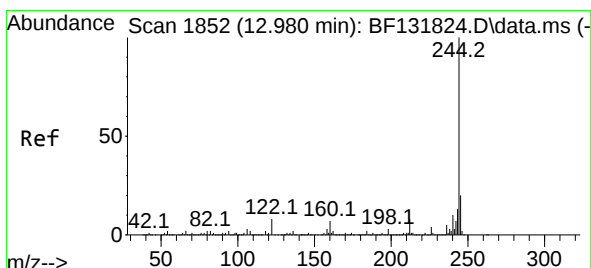
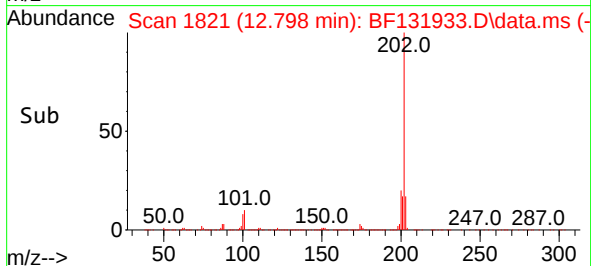
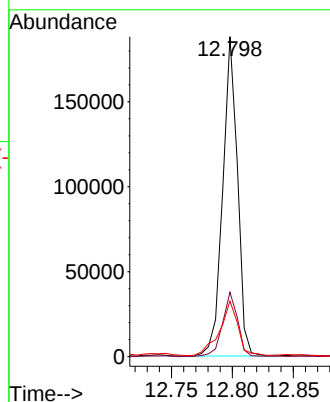
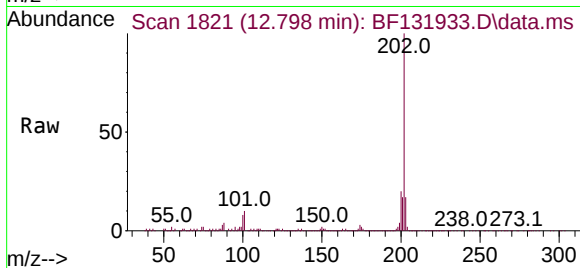
203 17.4 14.4 21.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/06/2023

Supervised By :Jagrut Upadhyay 01/06/2023



#79

Terphenyl-d14

Concen: 55.354 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.000 min

Lab File: BF131933.D

Acq: 06 Jan 2023 00:50

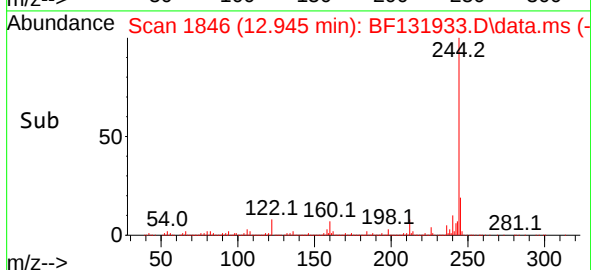
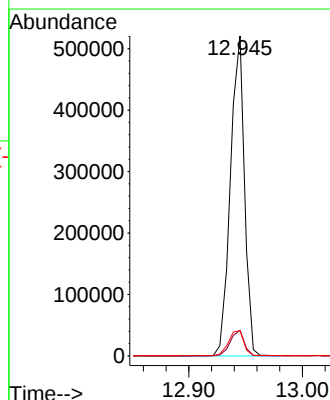
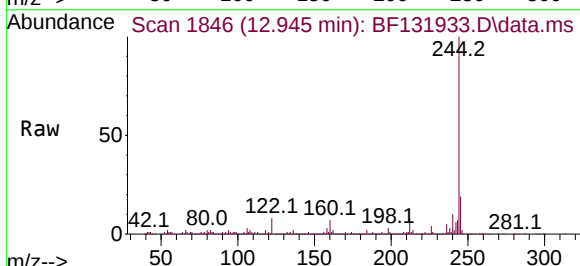
Tgt Ion:244 Resp: 448708

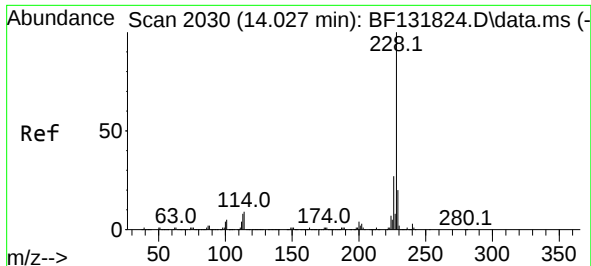
Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

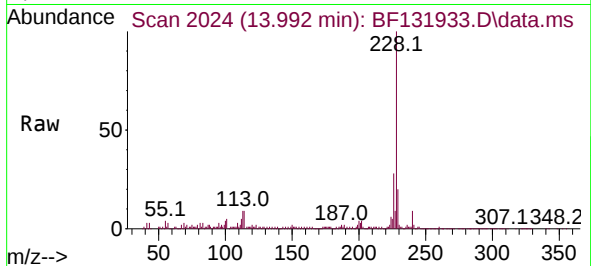
122 7.9 6.4 9.6





#81
Benzo(a)anthracene
Concen: 13.603 ng
RT: 13.992 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

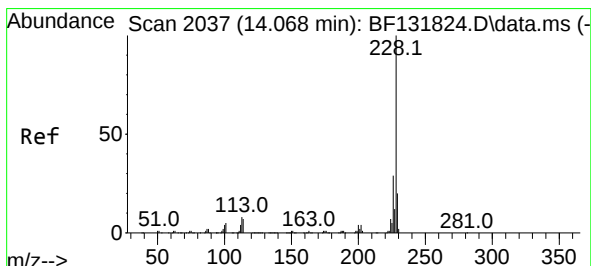
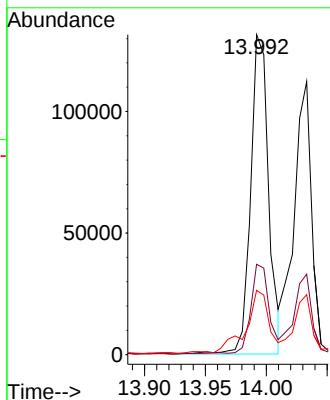
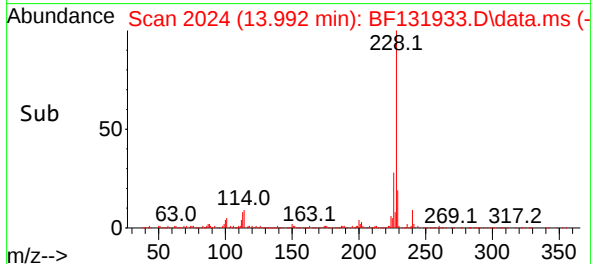
Instrument :
BNA_F
ClientSampleId :
PE-3



Tgt Ion:228 Resp: 135048
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 20.1 16.0 24.0

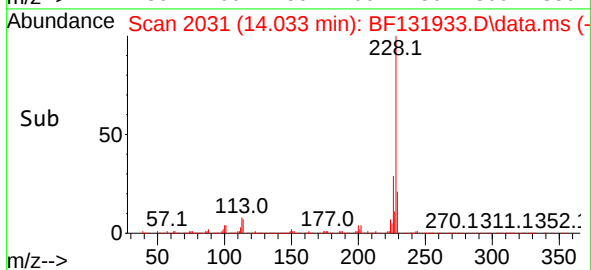
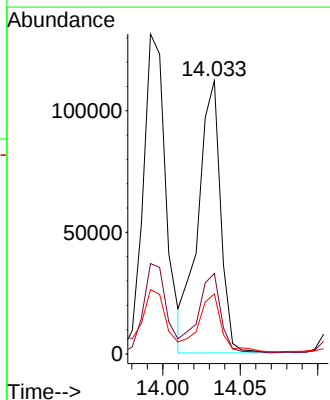
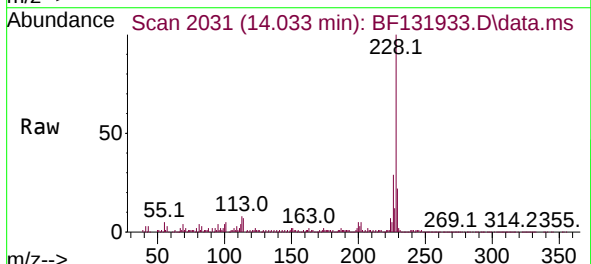
Manual Integrations
APPROVED

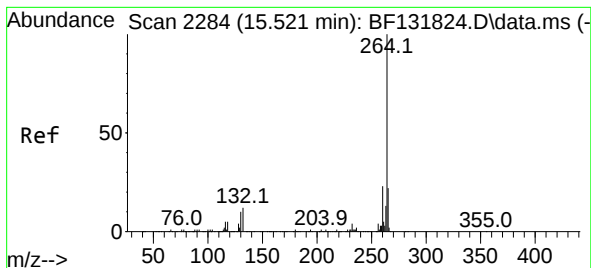
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#83
Chrysene
Concen: 12.187 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

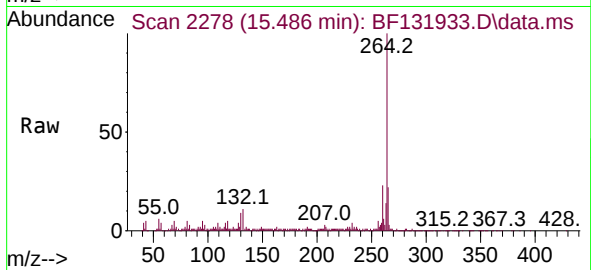
Tgt Ion:228 Resp: 113689
Ion Ratio Lower Upper
228 100
226 29.5 23.5 35.3
229 22.0 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

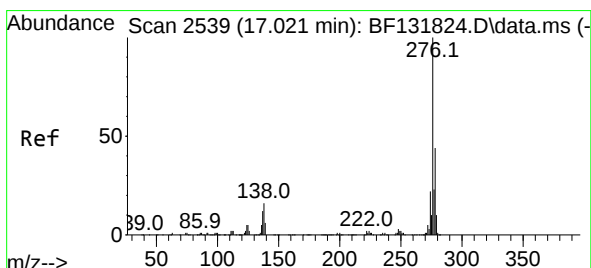
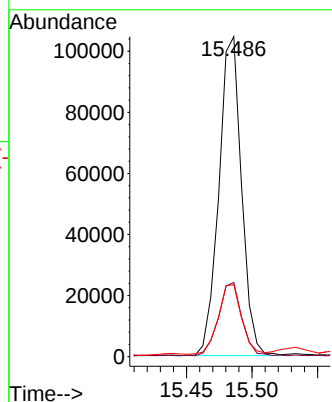
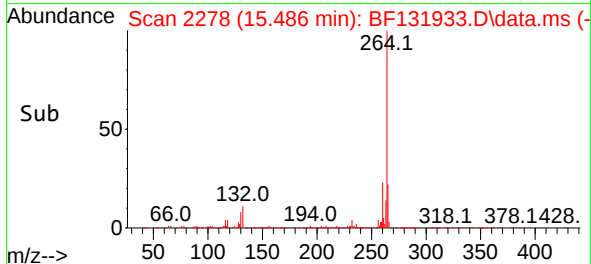
Instrument :
BNA_F
ClientSampleId :
PE-3



Tgt Ion:264 Resp: 125722
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.5 17.4 26.0

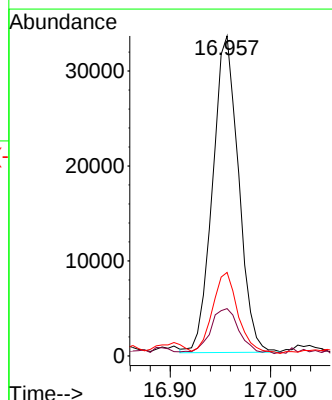
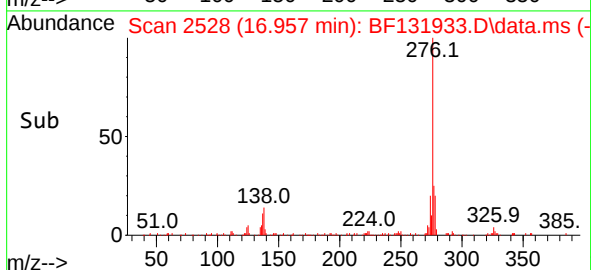
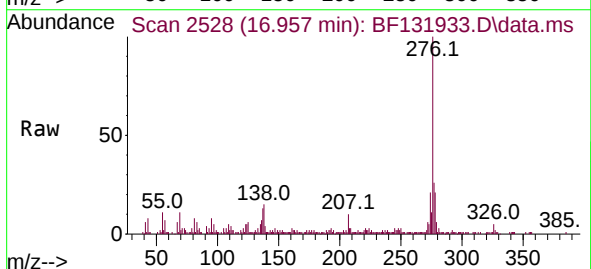
Manual Integrations
APPROVED

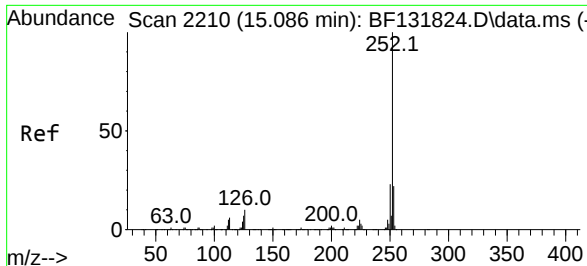
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.509 ng
RT: 16.957 min Scan# 2528
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

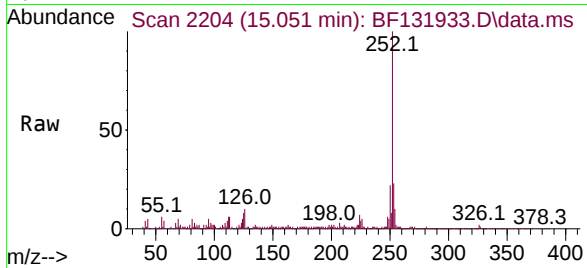
Tgt Ion:276 Resp: 59975
Ion Ratio Lower Upper
276 100
138 15.8 14.5 21.7
277 25.3 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 17.731 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

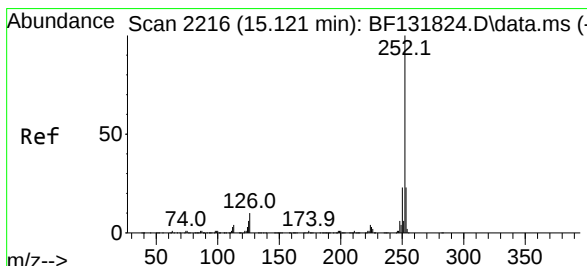
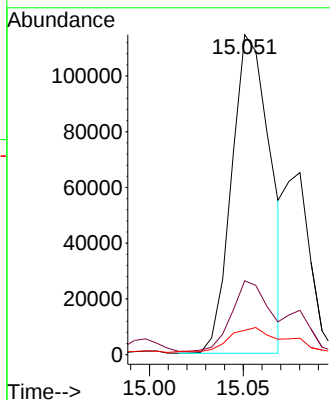
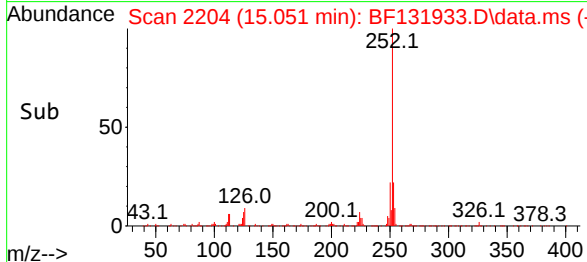
Instrument :
BNA_F
ClientSampleId :
PE-3



Tgt Ion:252 Resp: 16345
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 7.6 5.8 8.8

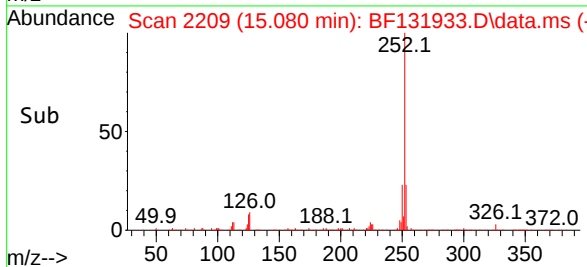
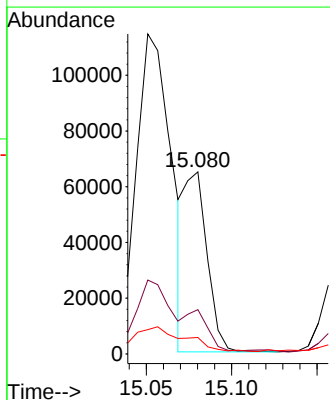
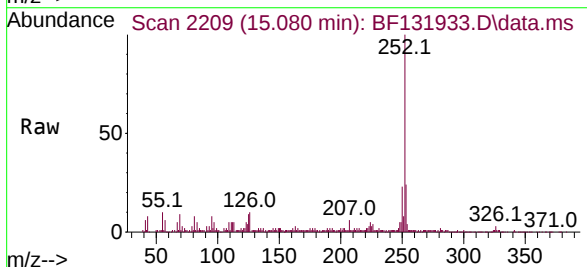
Manual Integrations
APPROVED

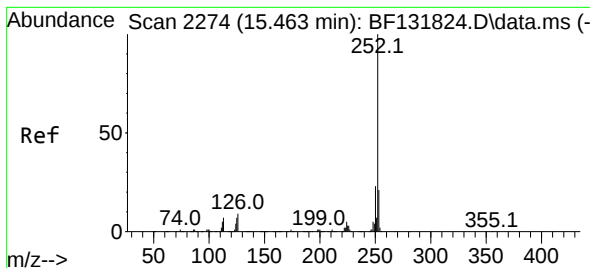
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#89
Benzo(k)fluoranthene
Concen: 6.678 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.000 min
Lab File: BF131933.D
Acq: 06 Jan 2023 00:50

Tgt Ion:252 Resp: 59485
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 9.0 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 16.852 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131933.D

Acq: 06 Jan 2023 00:50

Instrument :

BNA_F

ClientSampleId :

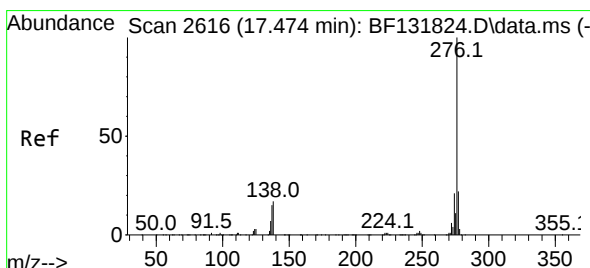
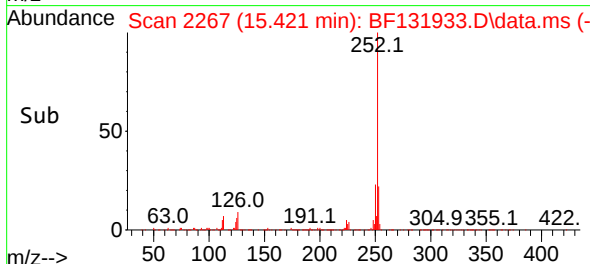
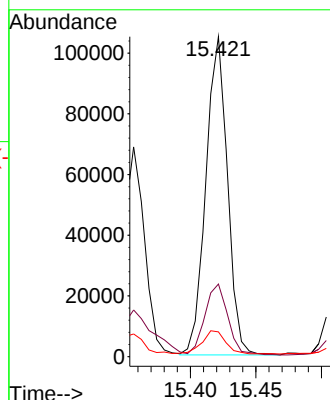
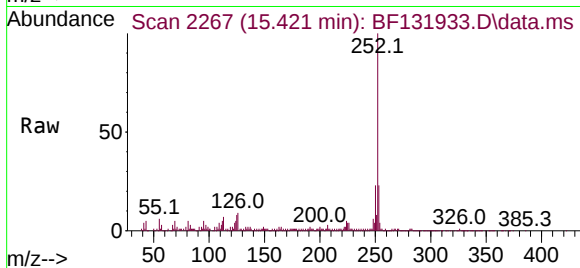
PE-3

Tgt Ion:	252	Resp:	120273
Ion Ratio	Lower	Upper	
252	100		
253	22.7	16.6	24.8
125	7.7	5.8	8.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#92

Benzo(g,h,i)perylene

Concen: 11.678 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF131933.D

Acq: 06 Jan 2023 00:50

Tgt Ion:	276	Resp:	55868
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.9	26.9
138	16.8	13.7	20.5

