

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
 Data File : BF131931.D
 Acq On : 05 Jan 2023 23:47
 Operator : CG\JU
 Sample : N6243-09
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-9

Quant Time: Jan 06 03:15:54 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	60539	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	210552	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	111357	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	170135	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	116951	20.000	ng	0.00
86) Perylene-d12	15.504	264	107737	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	368616	100.907	ng	0.00
7) Phenol-d6	6.440	99	476967	99.380	ng	0.00
23) Nitrobenzene-d5	7.375	82	352757	66.891	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	101397	83.806	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	572486	70.418	ng	0.00
79) Terphenyl-d14	12.945	244	439542	63.573	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	33739	3.606	ng	98
75) Fluoranthene	12.574	202	535881	49.174	ng	99
78) Pyrene	12.804	202	520097	53.058	ng	100
81) Benzo(a)anthracene	13.998	228	262612	31.014	ng	99
83) Chrysene	14.039	228	229236	28.810	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	101744	14.865	ng	97
88) Benzo(b)fluoranthene	15.068	252	309000m	39.115	ng	
89) Benzo(k)fluoranthene	15.092	252	102195m	13.389	ng	
90) Benzo(a)pyrene	15.445	252	223768	36.587	ng	# 90
91) Dibenzo(a,h)anthracene	16.998	278	26001	4.638	ng	# 83
92) Benzo(g,h,i)perylene	17.445	276	99221	18.574	ng	96

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

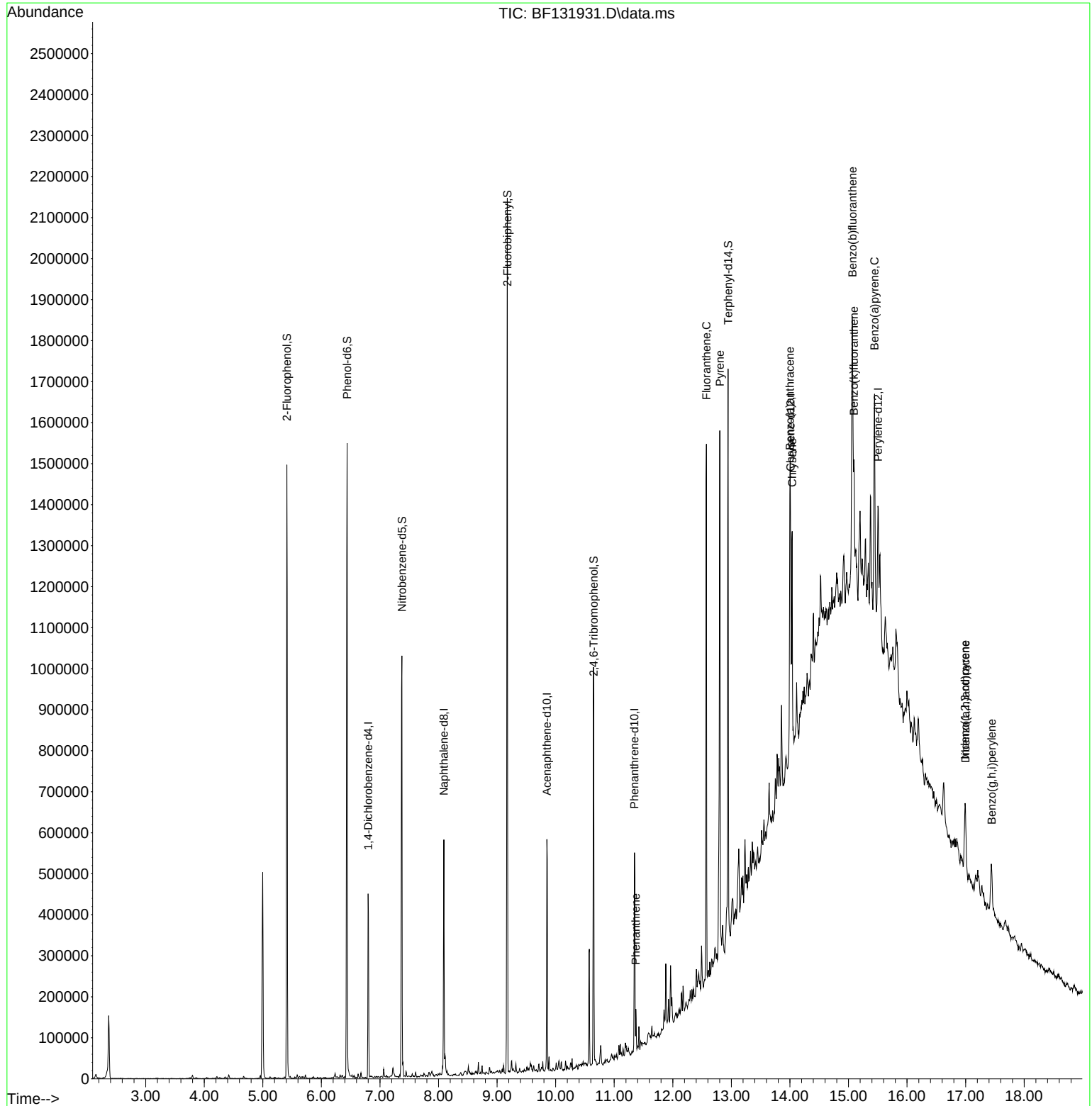
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
Data File : BF131931.D
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Sample : N6243-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

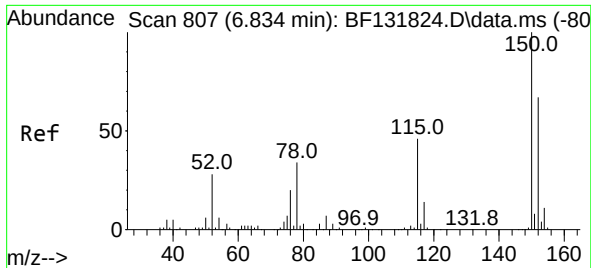
Instrument :
BNA_F
ClientSampleId :
PE-9

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
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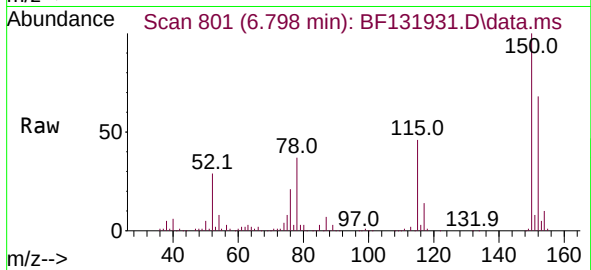
Reviewed By : Christian Giraldo 01/06/2023
Supervised By : Jagrut Upadhyay 01/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

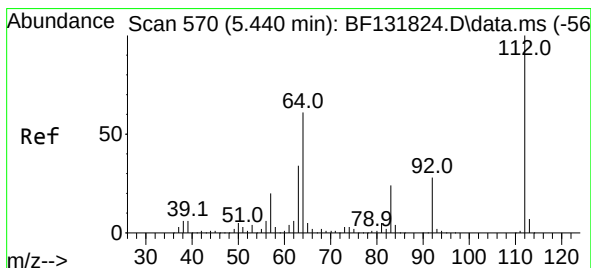
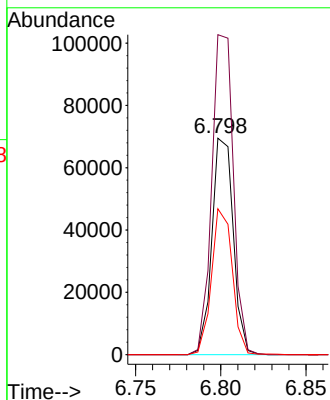
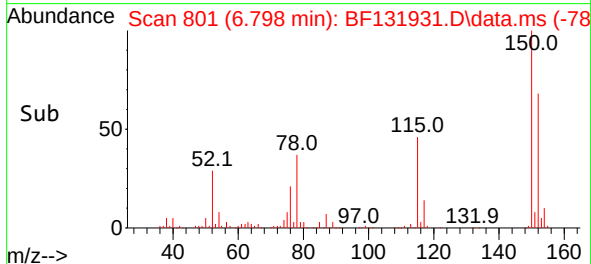
Instrument :
BNA_F
ClientSampleId :
PE-9



Tgt Ion:152 Resp: 60539
Ion Ratio Lower Upper
152 100
150 147.9 120.0 180.0
115 67.4 55.1 82.7

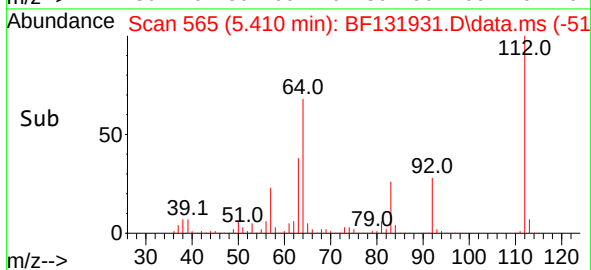
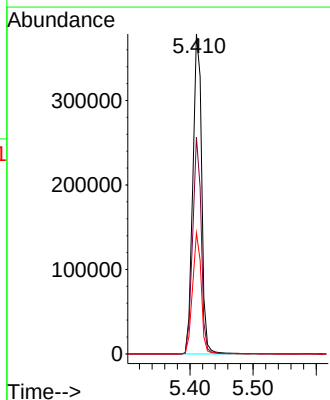
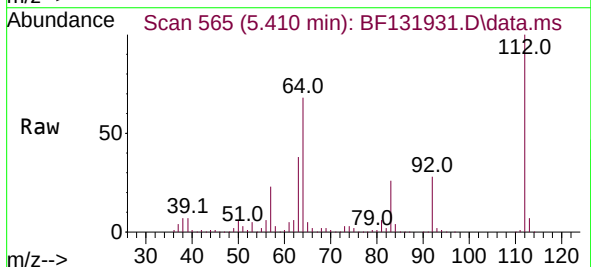
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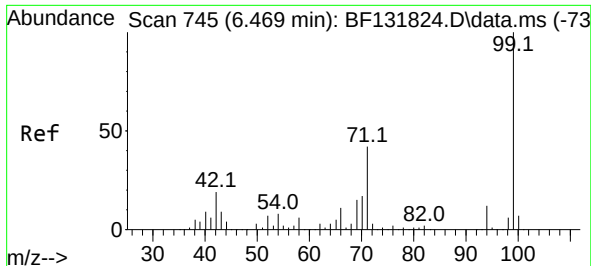
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#5
2-Fluorophenol
Concen: 100.907 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:112 Resp: 368616
Ion Ratio Lower Upper
112 100
64 67.7 49.2 73.8
63 37.8 27.5 41.3





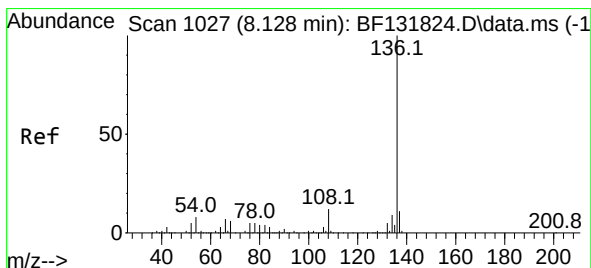
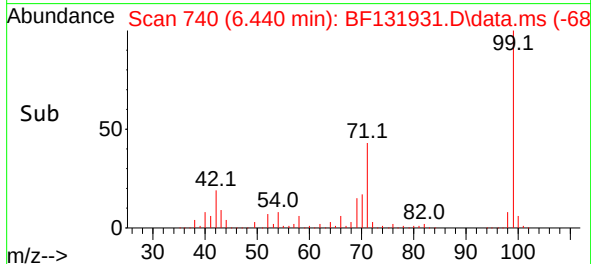
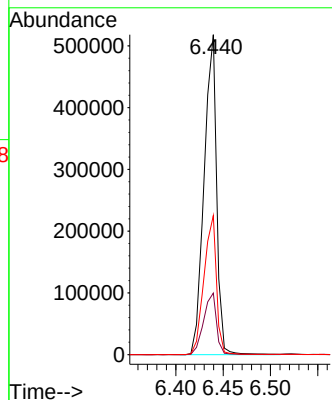
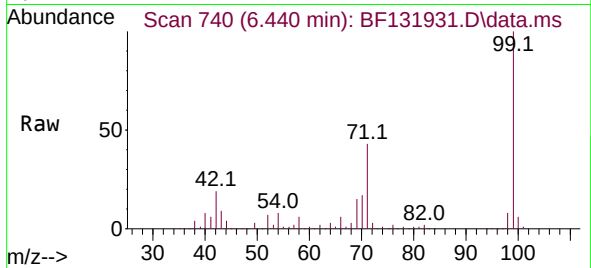
#7
Phenol-d6
Concen: 99.380 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Instrument :
BNA_F
ClientSampleId :
PE-9

Tgt Ion: 99 Resp: 476962
Ion Ratio Lower Upper
99 100
42 19.2 15.3 22.9
71 43.4 33.5 50.3

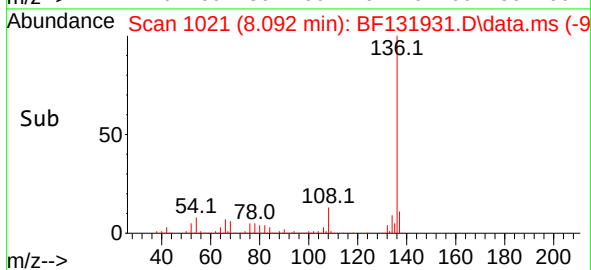
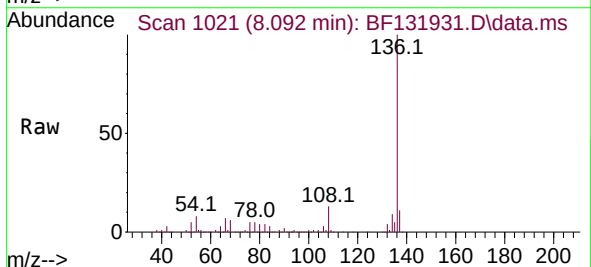
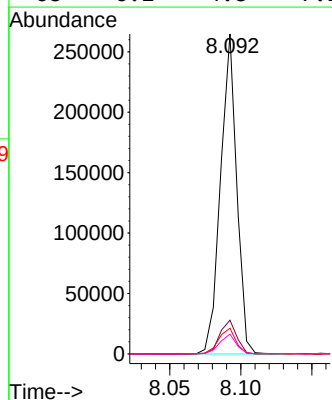
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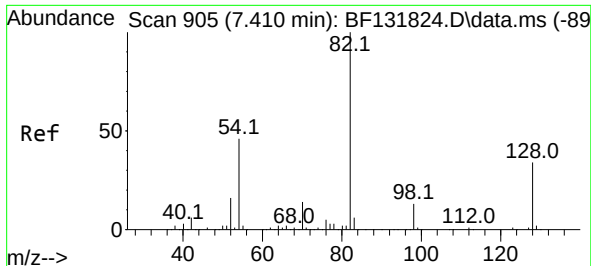
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:136 Resp: 210552
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 8.0 6.7 10.1
68 6.2 4.8 7.2





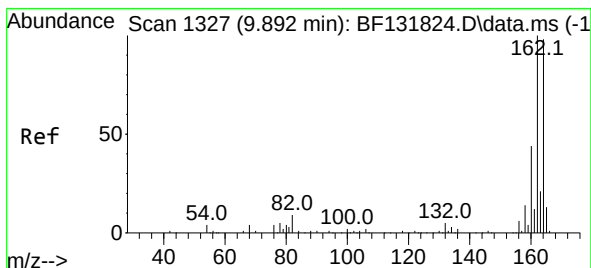
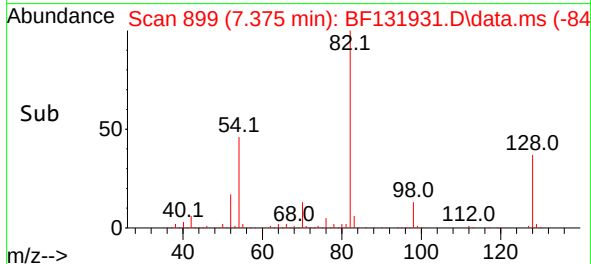
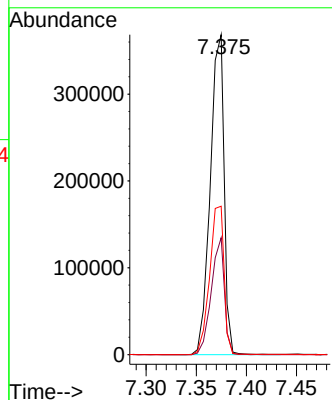
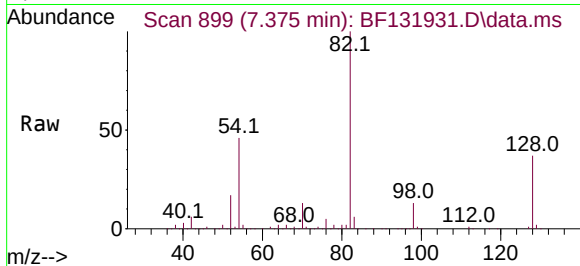
#23
Nitrobenzene-d5
Concen: 66.891 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Instrument :
BNA_F
Client SampleId :
PE-9

Tgt Ion: 82 Resp: 352752
Ion Ratio Lower Upper
82 100
128 36.5 27.1 40.7
54 46.4 37.0 55.6

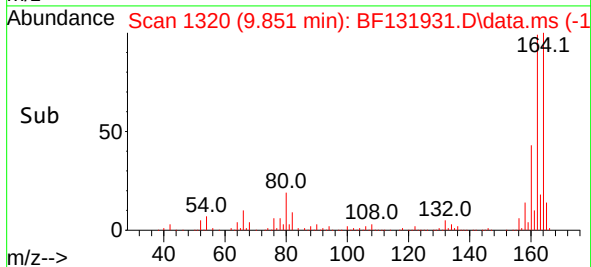
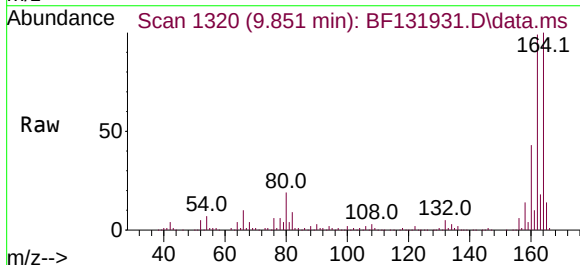
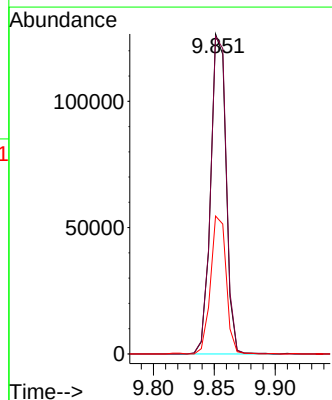
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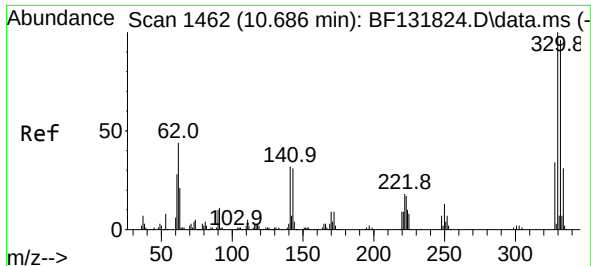
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

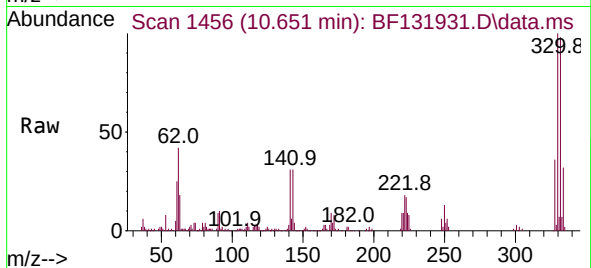
Tgt Ion:164 Resp: 111357
Ion Ratio Lower Upper
164 100
162 99.2 81.8 122.6
160 43.1 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 83.806 ng
RT: 10.651 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

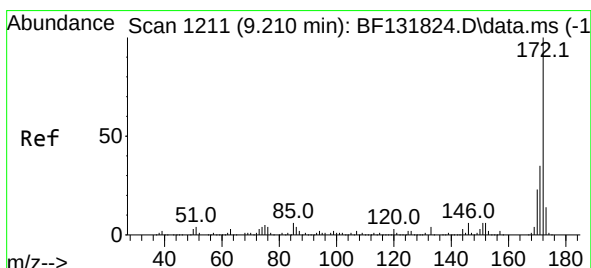
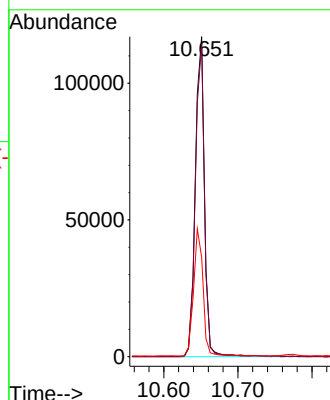
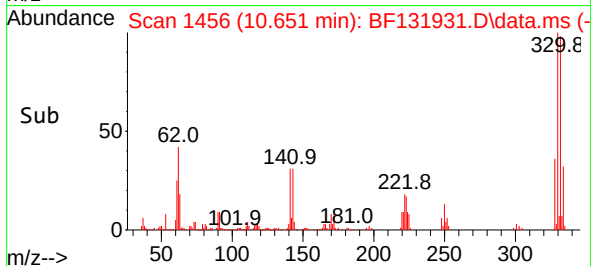
Instrument :
BNA_F
ClientSampleId :
PE-9



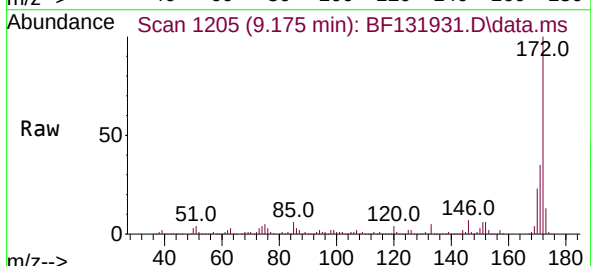
Tgt Ion: 330 Resp: 101397
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 40.6 31.0 46.4

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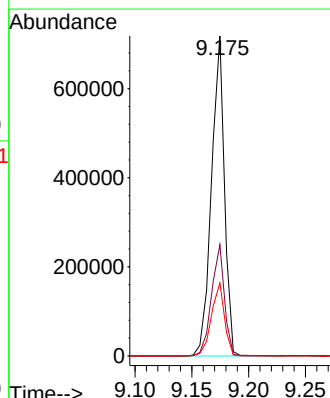
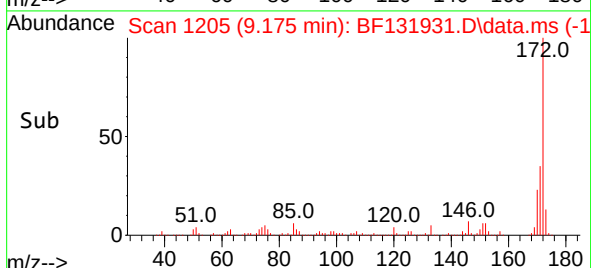
Reviewed By : Christian Giraldo 01/06/2023
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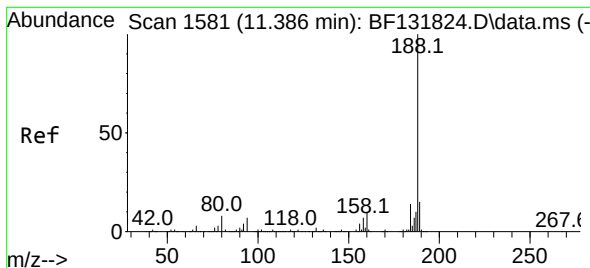


#45
2-Fluorobiphenyl
Concen: 70.418 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47



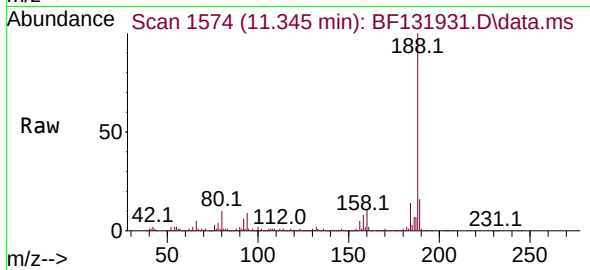
Tgt Ion: 172 Resp: 572486
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 22.8 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

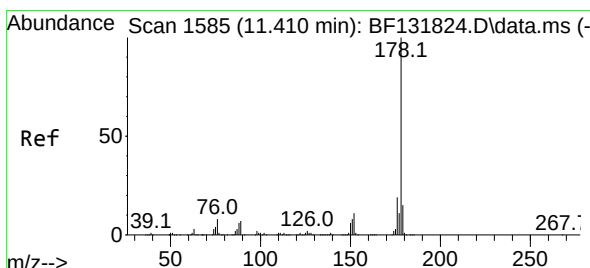
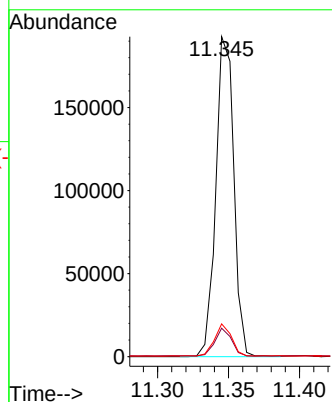
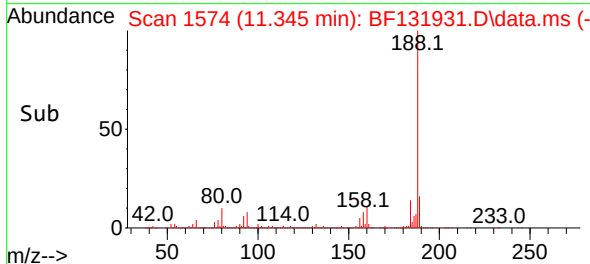
Instrument :
BNA_F
ClientSampleId :
PE-9



Tgt Ion:188 Resp: 170135
Ion Ratio Lower Upper
188 100
94 8.9 5.8 8.6
80 10.2 6.7 10.1

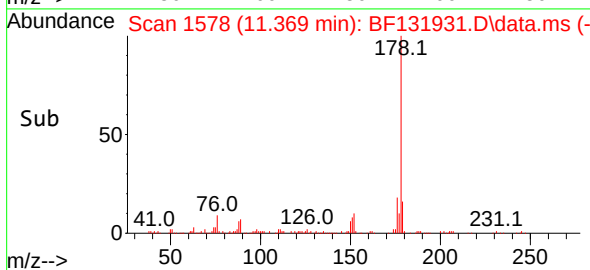
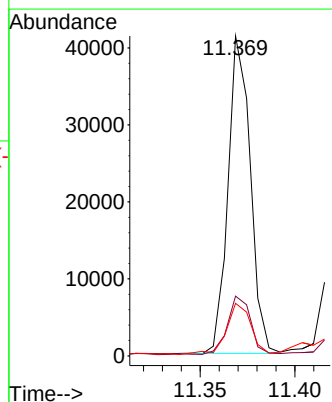
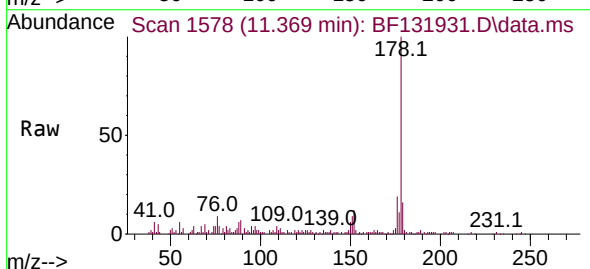
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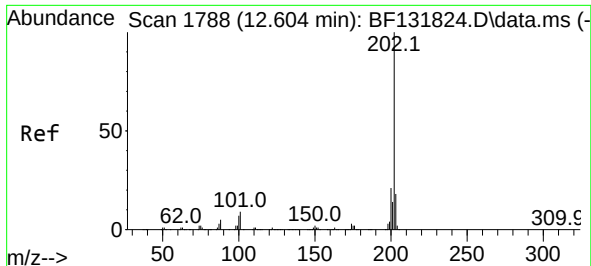
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#71
Phenanthrene
Concen: 3.606 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

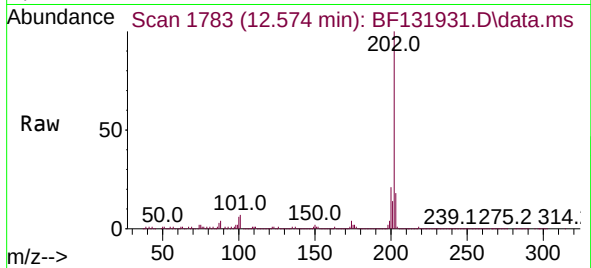
Tgt Ion:178 Resp: 33739
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 16.4 12.2 18.4





#75
Fluoranthene
Concen: 49.174 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

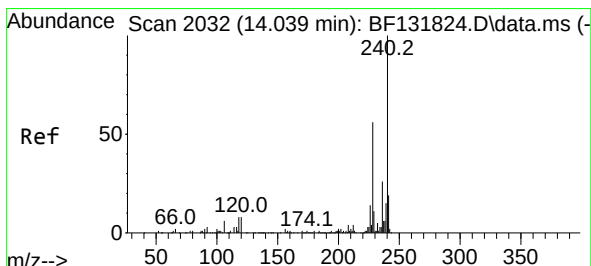
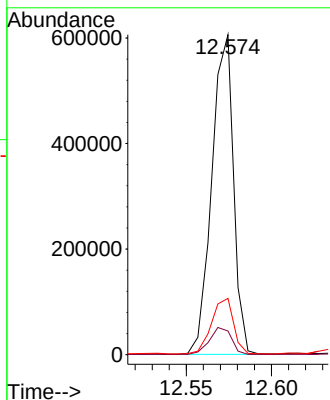
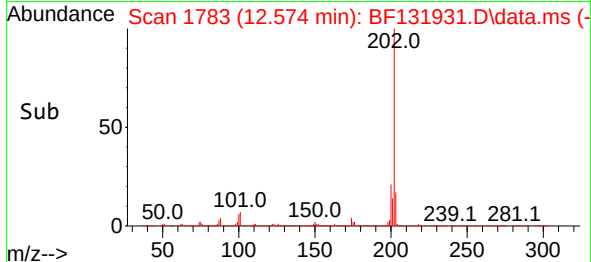
Instrument :
BNA_F
ClientSampleId :
PE-9



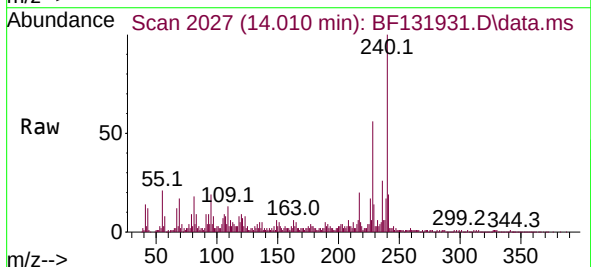
Tgt Ion:202 Resp: 53588
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.6
203 17.6 0.0 37.8

Manual Integrations
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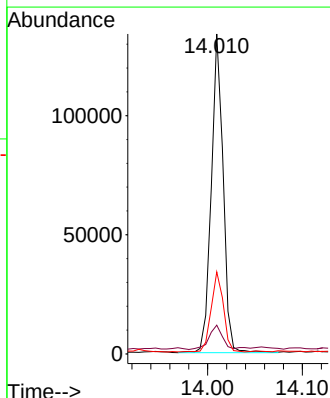
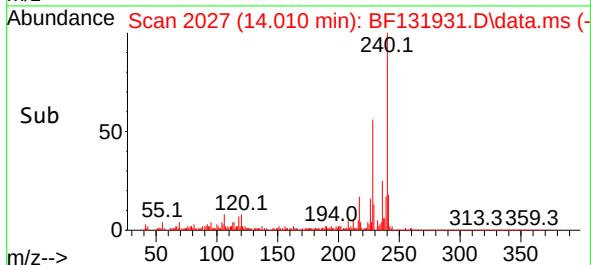
Reviewed By :Christian Giraldo 01/06/2023
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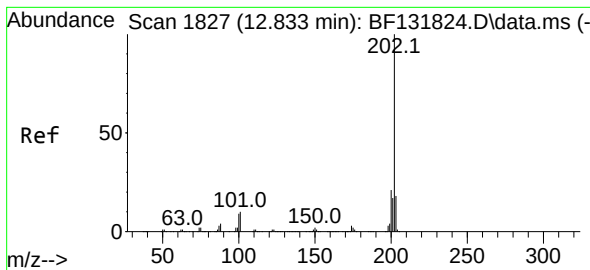


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47



Tgt Ion:240 Resp: 116951
Ion Ratio Lower Upper
240 100
120 9.0 6.7 10.1
236 25.6 20.6 31.0





#78

Pyrene

Concen: 53.058 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

Instrument :

BNA_F

ClientSampleId :

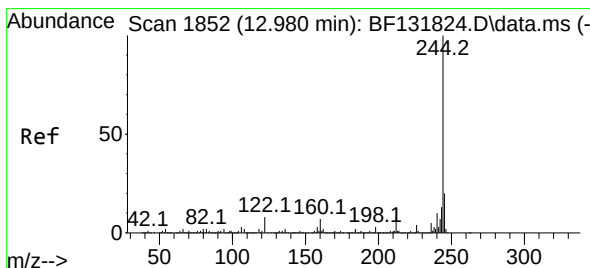
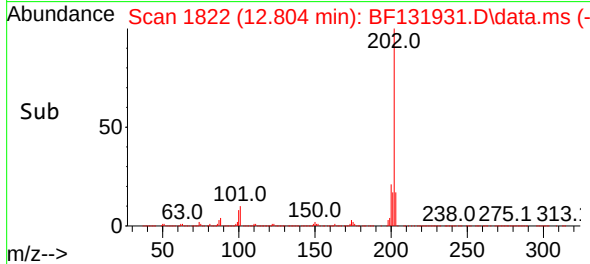
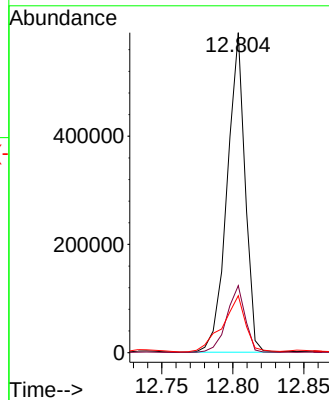
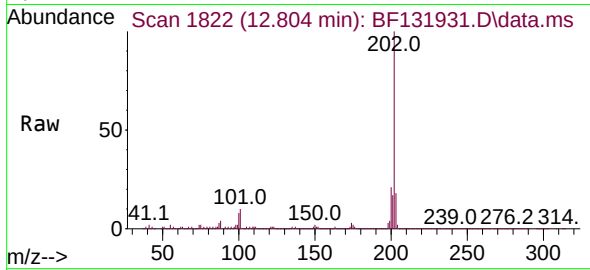
PE-9

Tgt Ion:	202	Resp:	52009
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.7	25.1
203	17.8	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 63.573 ng

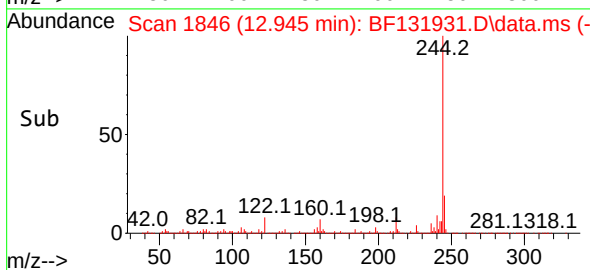
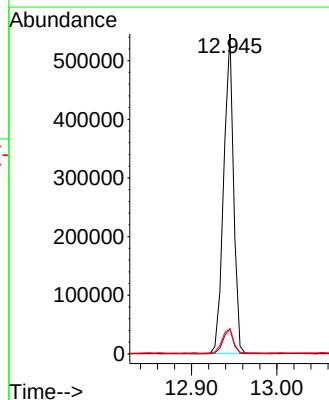
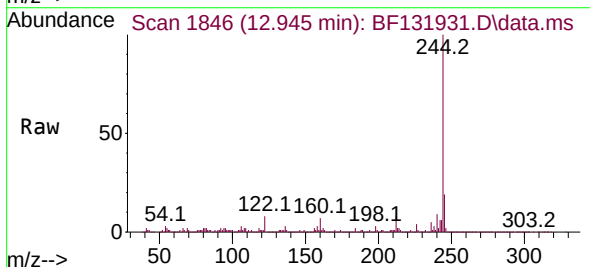
RT: 12.945 min Scan# 1846

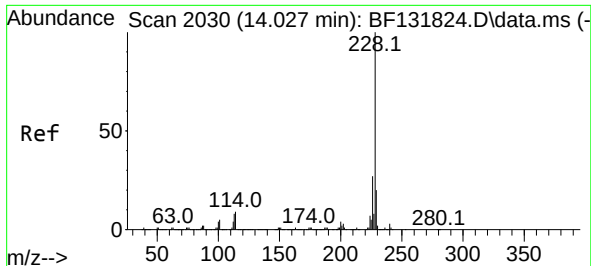
Delta R.T. 0.000 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

Tgt Ion:	244	Resp:	439542
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.3	9.5
122	7.8	6.4	9.6





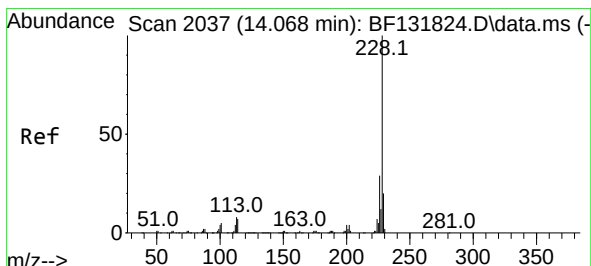
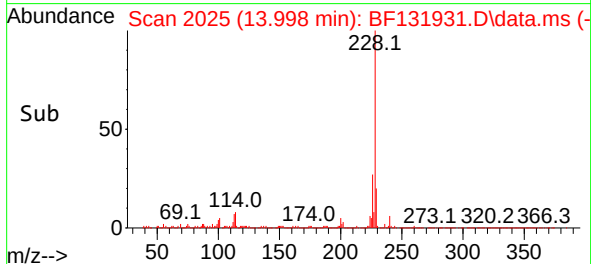
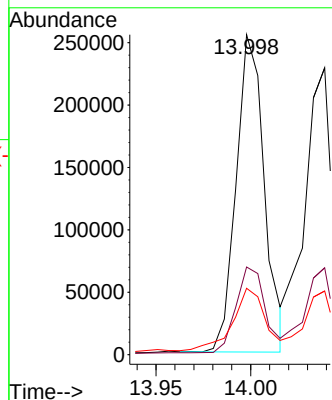
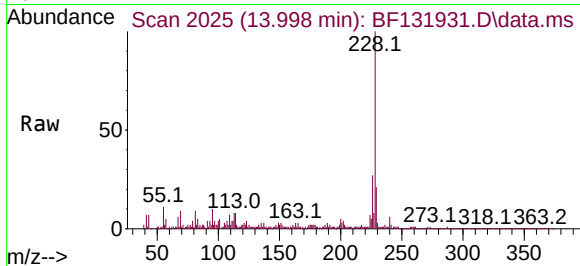
#81
Benzo(a)anthracene
Concen: 31.014 ng
RT: 13.998 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Instrument :
BNA_F
ClientSampleId :
PE-9

Tgt Ion:228 Resp: 262612
Ion Ratio Lower Upper
228 100
226 27.4 22.0 33.0
229 20.7 16.0 24.0

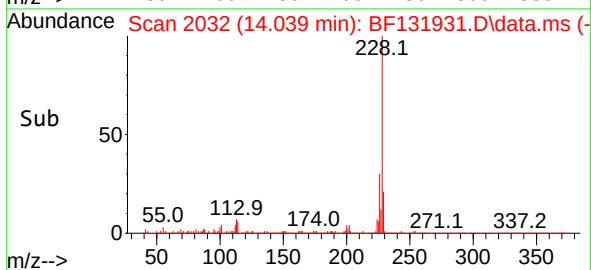
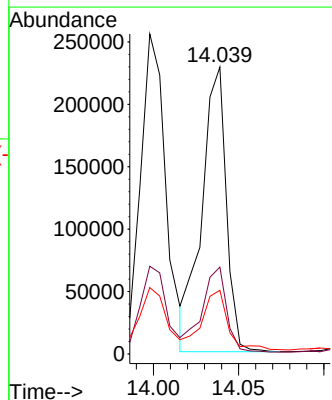
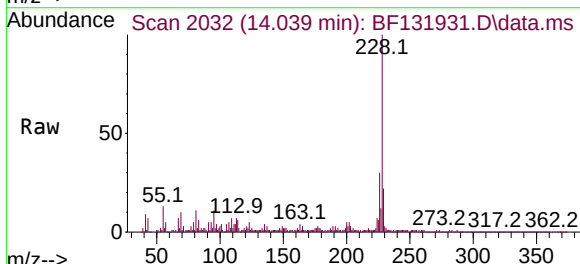
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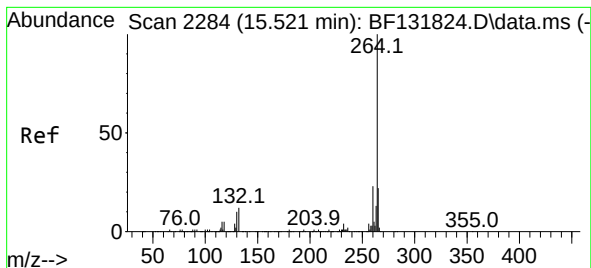
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#83
Chrysene
Concen: 28.810 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Tgt Ion:228 Resp: 229236
Ion Ratio Lower Upper
228 100
226 30.3 23.5 35.3
229 22.2 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

Instrument :

BNA_F

ClientSampleId :

PE-9

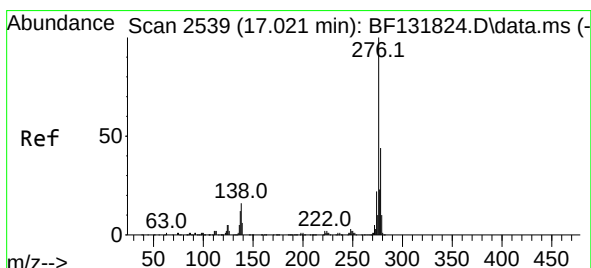
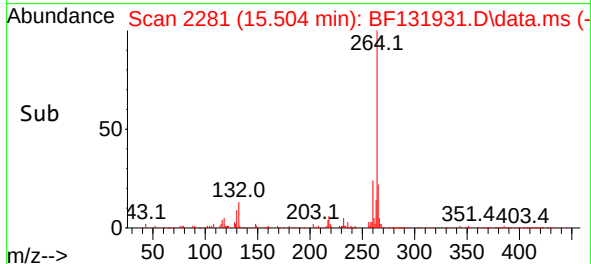
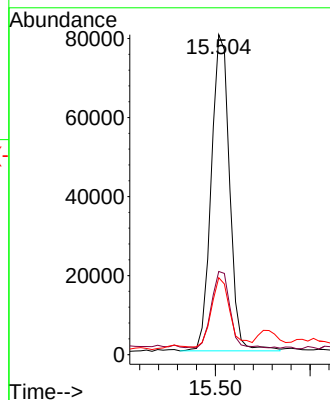
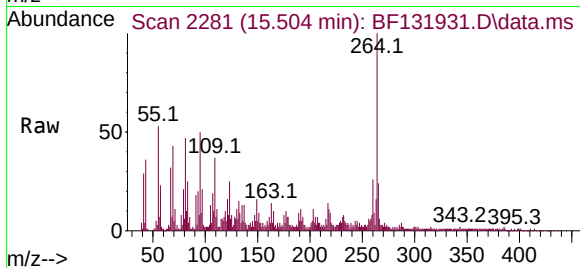
Tgt Ion:	264	Resp:	10773
Ion Ratio	Lower	Upper	
264	100		
260	26.0	18.6	28.0
265	24.0	17.4	26.0

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Reviewed By :Christian Giraldo 01/06/2023

Supervised By :Jagrut Upadhyay 01/06/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.865 ng

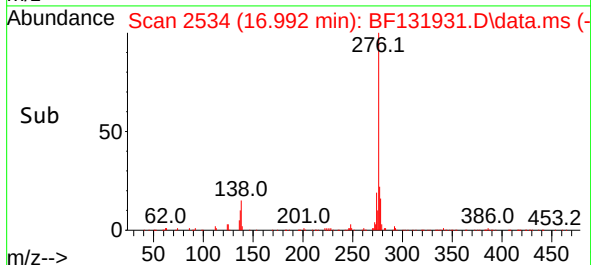
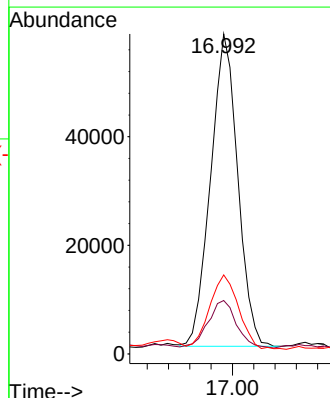
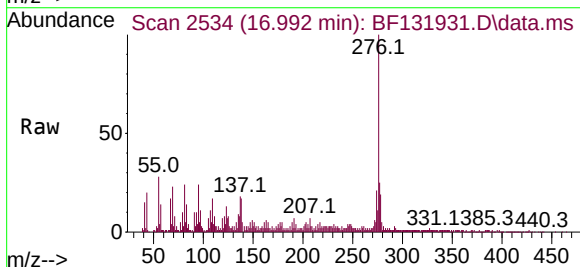
RT: 16.992 min Scan# 2534

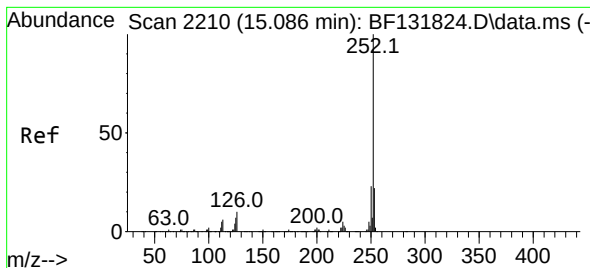
Delta R.T. 0.035 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

Tgt Ion:	276	Resp:	101744
Ion Ratio	Lower	Upper	
276	100		
138	16.0	14.5	21.7
277	25.7	19.7	29.5





#88

Benzo(b)fluoranthene

Concen: 39.115 ng m

RT: 15.068 min Scan# 2210

Delta R.T. 0.018 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

Instrument :

BNA_F

ClientSampleId :

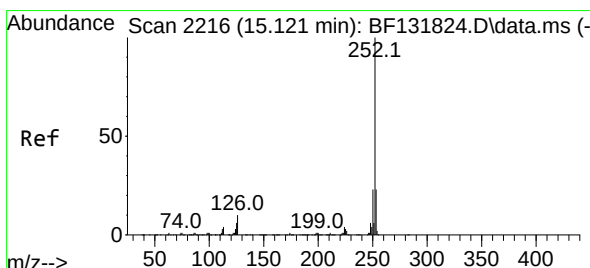
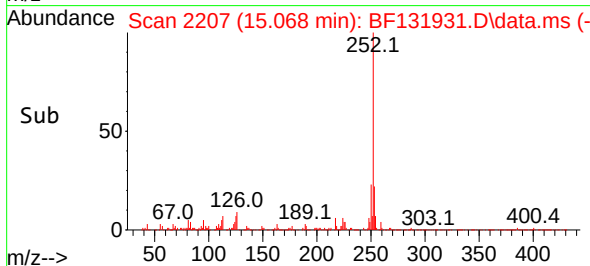
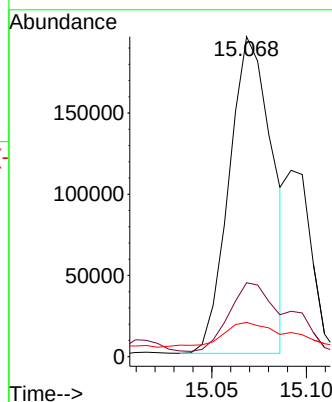
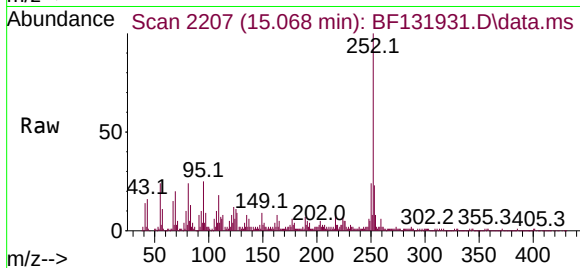
PE-9

Tgt Ion:252 Resp: 309000
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.6 26.4
 125 10.7 5.8 8.8

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



#89

Benzo(k)fluoranthene

Concen: 13.389 ng m

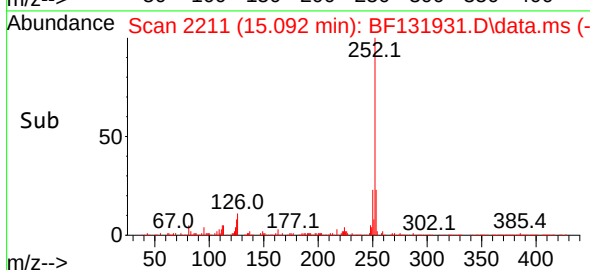
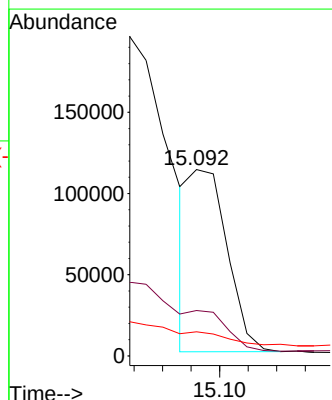
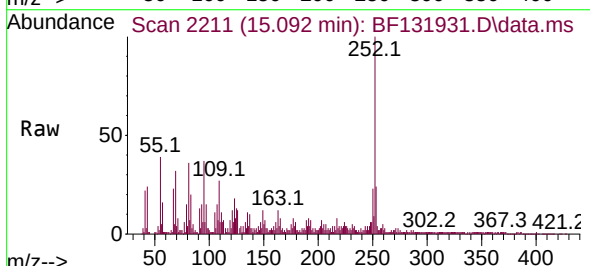
RT: 15.092 min Scan# 2211

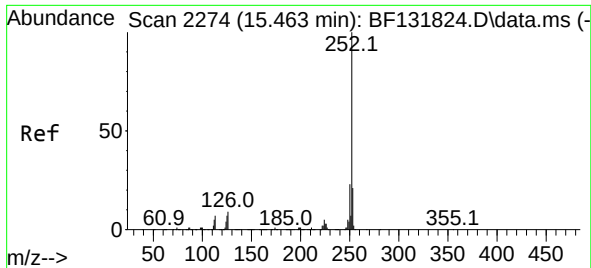
Delta R.T. 0.012 min

Lab File: BF131931.D

Acq: 05 Jan 2023 23:47

Tgt Ion:252 Resp: 102195
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.7 26.5
 125 12.9 5.4 8.0





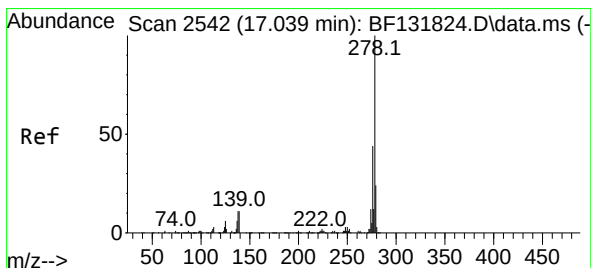
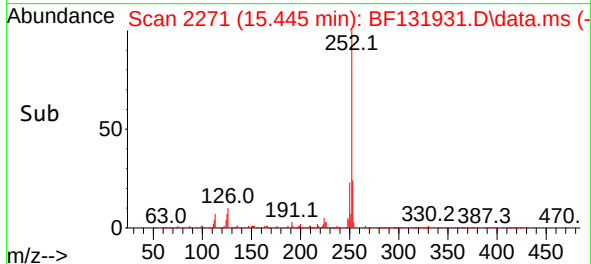
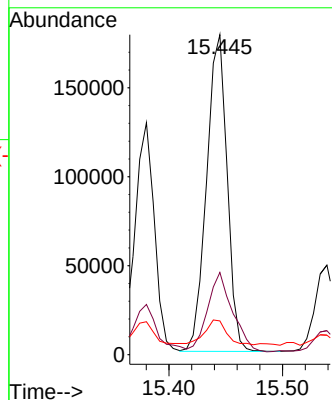
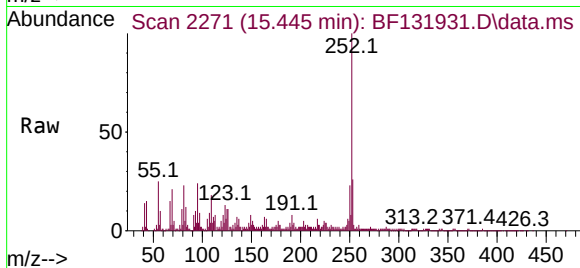
#90
Benzo(a)pyrene
Concen: 36.587 ng
RT: 15.445 min Scan# 2274
Delta R.T. 0.024 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

Instrument :
BNA_F
ClientSampleId :
PE-9

Tgt Ion:252 Resp: 223768
Ion Ratio Lower Upper
252 100
253 25.7 16.6 24.8#
125 10.5 5.8 8.8#

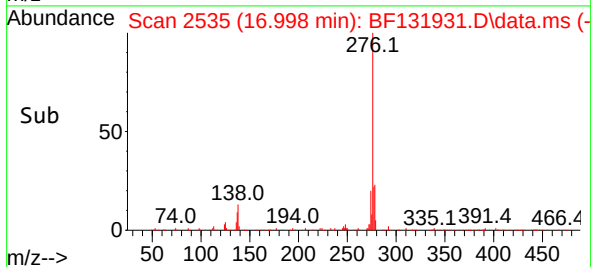
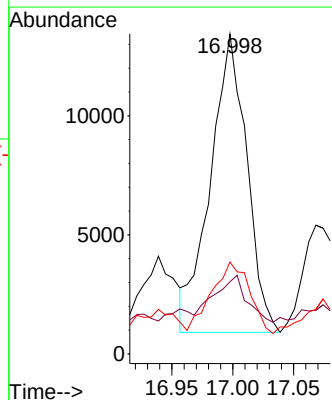
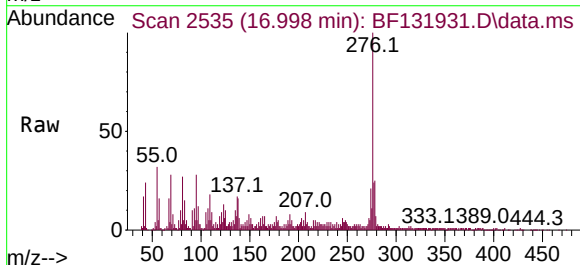
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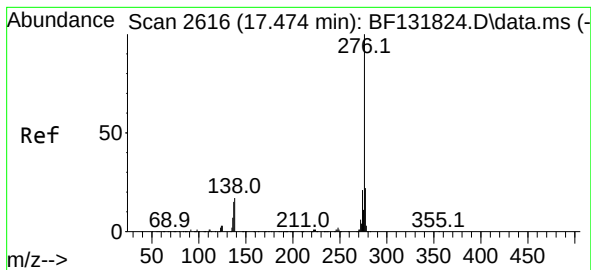
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.638 ng
RT: 16.998 min Scan# 2535
Delta R.T. 0.024 min
Lab File: BF131931.D
Acq: 05 Jan 2023 23:47

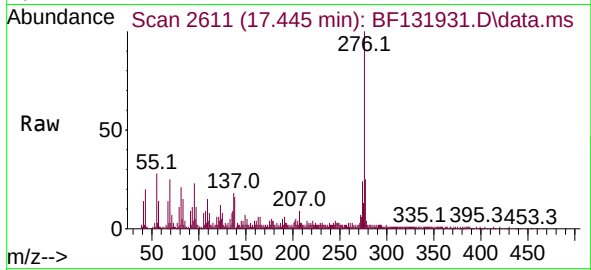
Tgt Ion:278 Resp: 26001
Ion Ratio Lower Upper
278 100
139 22.5 8.6 12.8#
279 28.7 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 18.574 ng
 RT: 17.445 min Scan# 20
 Delta R.T. 0.035 min
 Lab File: BF131931.D
 Acq: 05 Jan 2023 23:47

Instrument :
 BNA_F
 ClientSampleId :
 PE-9



Tgt Ion: 276 Resp: 9922
 Ion Ratio Lower Upper
 276 100
 277 25.5 17.9 26.9
 138 16.4 13.7 20.5

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

