

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
 Data File : BF131902.D
 Acq On : 04 Jan 2023 16:52
 Operator : CG\JU
 Sample : 01005-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-10323

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/05/2023
 Supervised By : Jagrut Upadhyay 01/05/2023

Quant Time: Jan 05 05:43:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	67640	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	232994	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	120863	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	194709	20.000	ng	0.00
76) Chrysene-d12	14.009	240	142061	20.000	ng	0.00
86) Perylene-d12	15.492	264	158907	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	538358	131.901	ng	0.01
7) Phenol-d6	6.451	99	686460	128.014	ng	0.00
23) Nitrobenzene-d5	7.386	82	484236	82.978	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	154018	117.286	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	765928	86.802	ng	0.00
79) Terphenyl-d14	12.951	244	566614	67.467	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	48059	4.488	ng	99
75) Fluoranthene	12.574	202	96733	7.756	ng	99
78) Pyrene	12.804	202	93179	7.826	ng	96
81) Benzo(a)anthracene	13.998	228	45867	4.459	ng	98
83) Chrysene	14.033	228	46338	4.794	ng	95
87) Indeno(1,2,3-cd)pyrene	16.968	276	25585	2.534	ng	97
88) Benzo(b)fluoranthene	15.056	252	62564m	5.370	ng	
90) Benzo(a)pyrene	15.427	252	43107	4.779	ng	97
92) Benzo(g,h,i)perylene	17.415	276	23725	7.408	ng	96

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

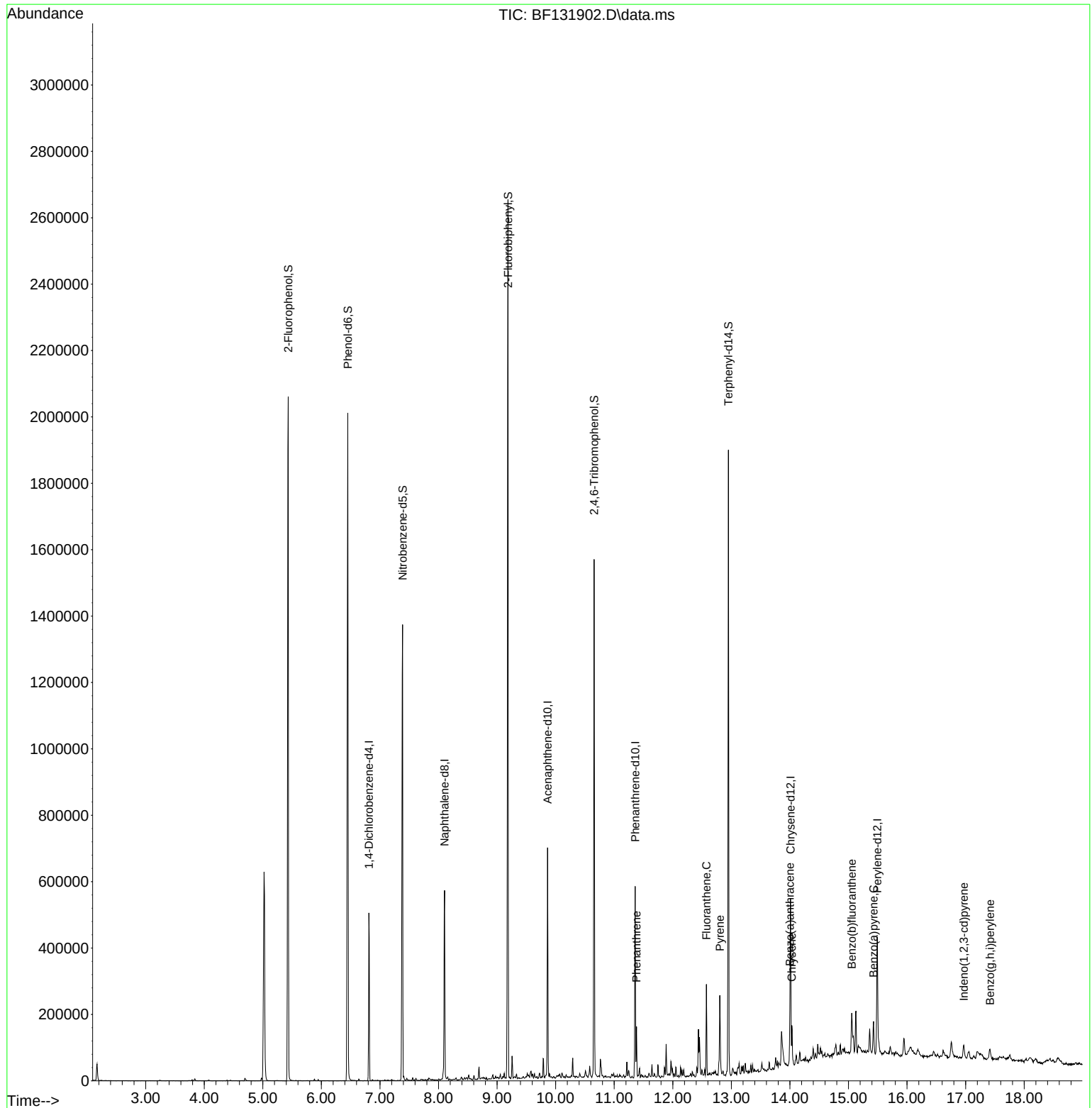
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010423\
Data File : BF131902.D
Acq On : 04 Jan 2023 16:52
Operator : CG\JU
Sample : 01005-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

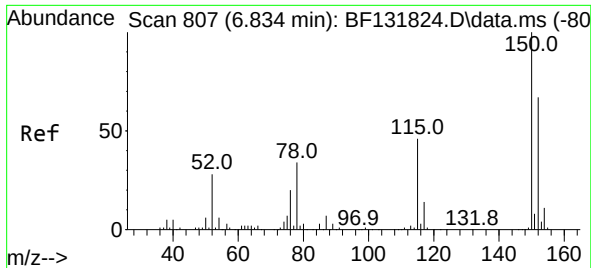
Instrument :
BNA_F
ClientSampleId :
PL-01-10323

Quant Time: Jan 05 05:43:24 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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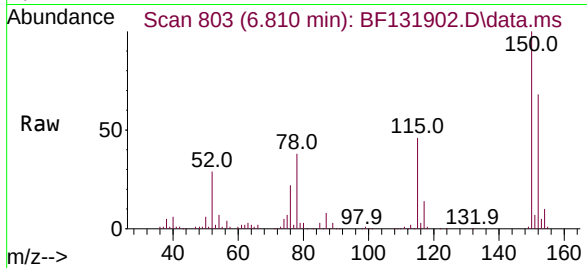
Reviewed By : Christian Giraldo 01/05/2023
Supervised By : Jagrut Upadhyay 01/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

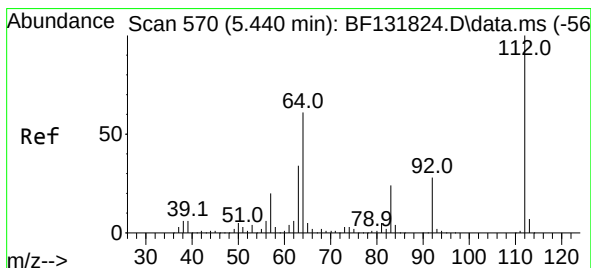
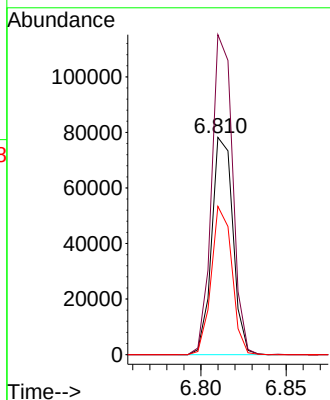
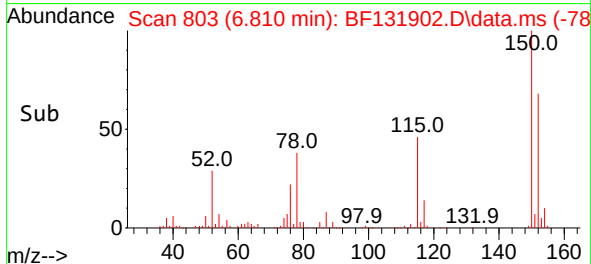
Instrument :
BNA_F
ClientSampleId :
PL-01-10323



Tgt Ion:152 Resp: 67640
Ion Ratio Lower Upper
152 100
150 147.4 120.0 180.0
115 68.3 55.1 82.7

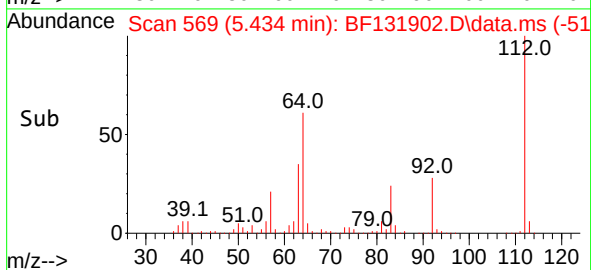
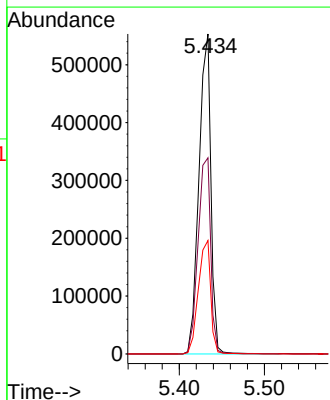
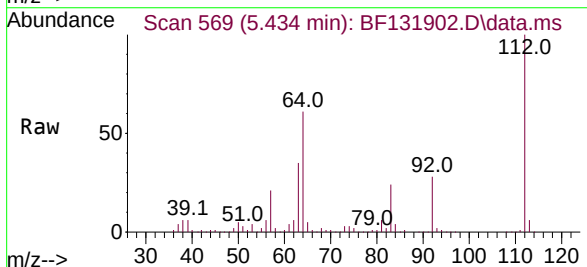
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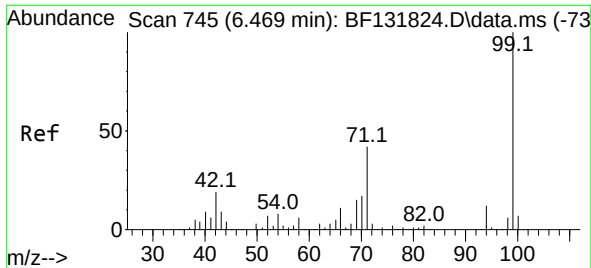
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Supervised By :Jagrut Upadhyay 01/05/2023



#5
2-Fluorophenol
Concen: 131.901 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:112 Resp: 538358
Ion Ratio Lower Upper
112 100
64 61.3 49.2 73.8
63 35.4 27.5 41.3





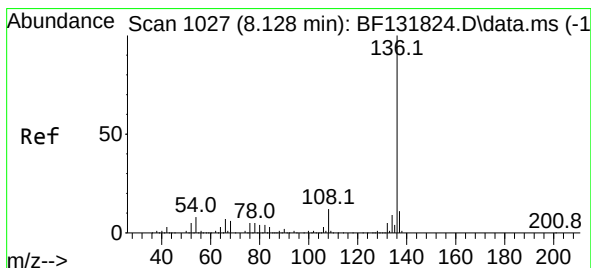
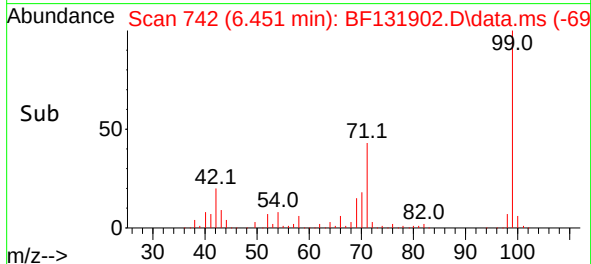
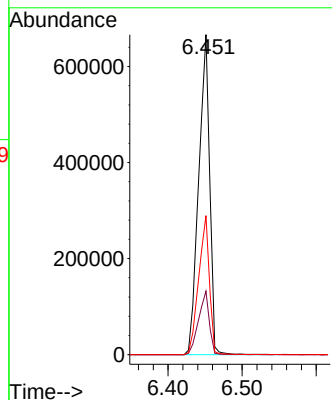
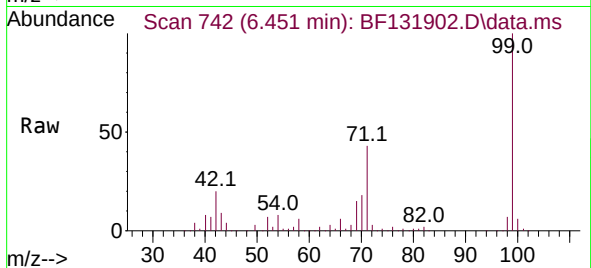
#7
Phenol-d6
Concen: 128.014 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Instrument :
BNA_F
ClientSampleId :
PL-01-10323

Tgt Ion: 99 Resp: 686460
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.4 33.5 50.3

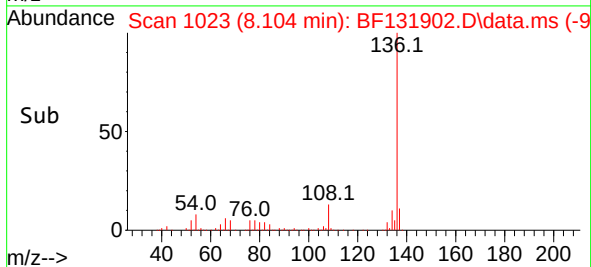
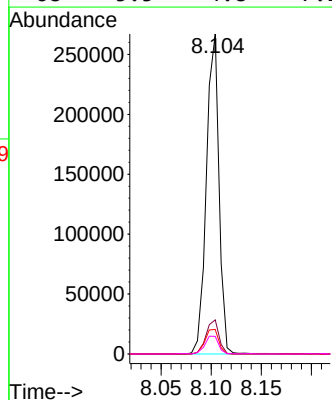
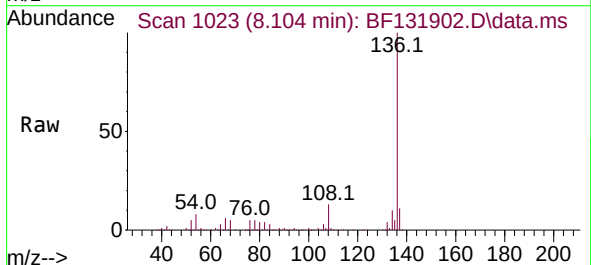
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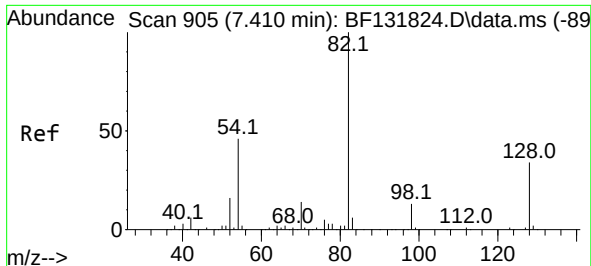
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:136 Resp: 232994
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.6 6.7 10.1
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 82.978 ng

RT: 7.386 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

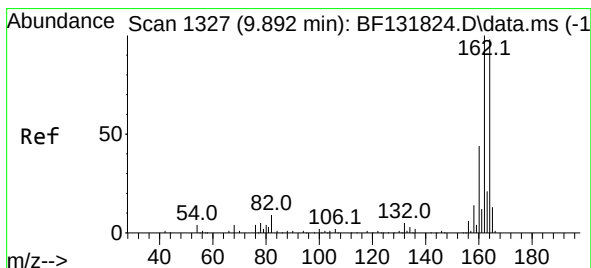
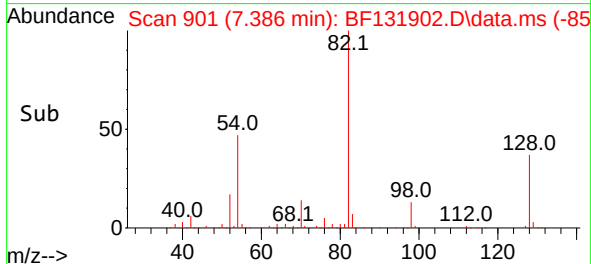
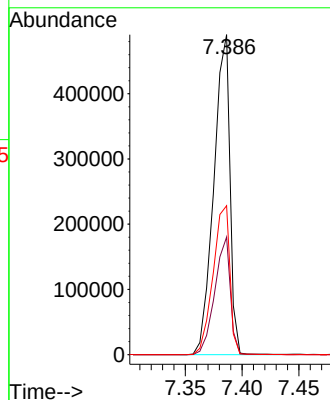
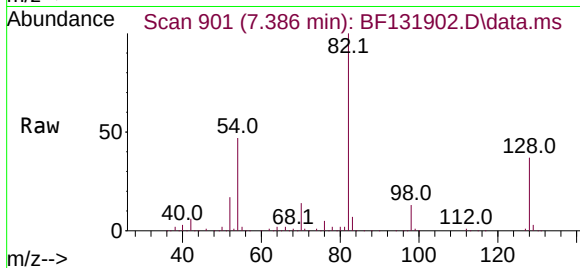
Tgt Ion: 82 Resp: 484236

Ion	Ratio	Lower	Upper
82	100		
128	36.7	27.1	40.7
54	46.5	37.0	55.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

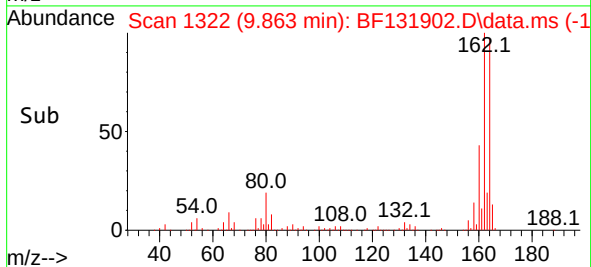
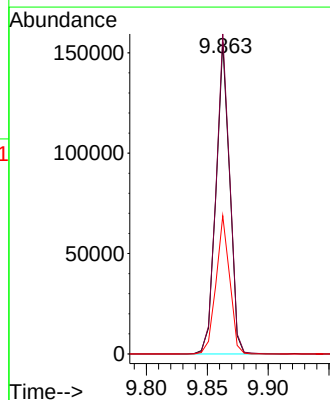
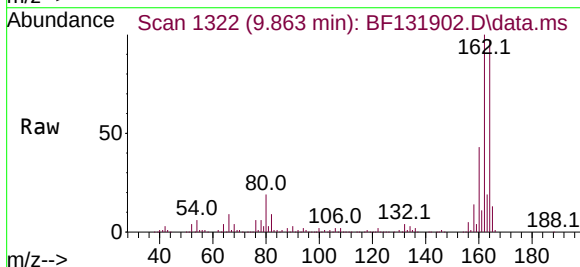
Delta R.T. -0.012 min

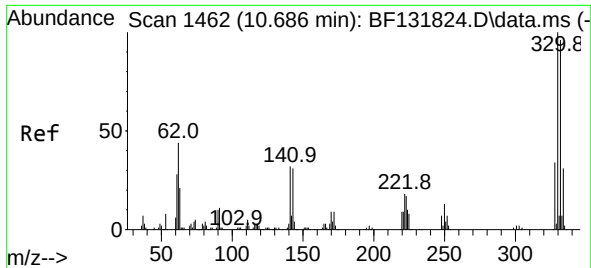
Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Tgt Ion:164 Resp: 120863

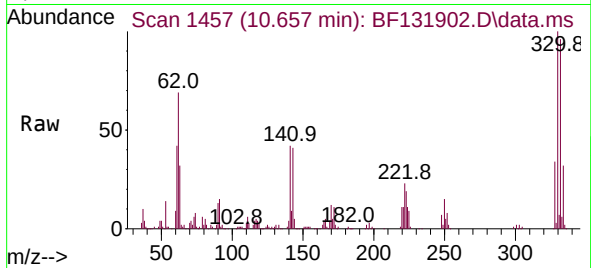
Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	44.3	35.7	53.5





#42
2,4,6-Tribromophenol
Concen: 117.286 ng
RT: 10.657 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

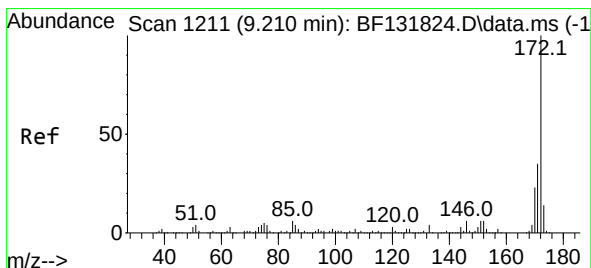
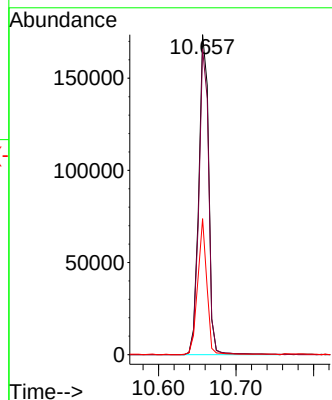
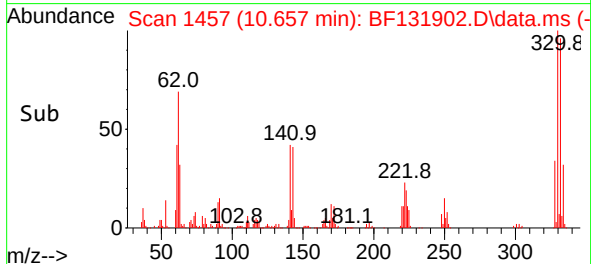
Instrument :
BNA_F
ClientSampleId :
PL-01-10323



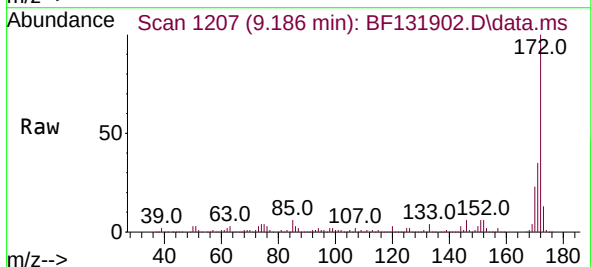
Tgt Ion: 330 Resp: 154018
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.4
141 39.0 31.0 46.4

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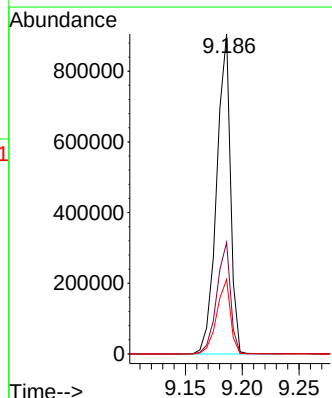
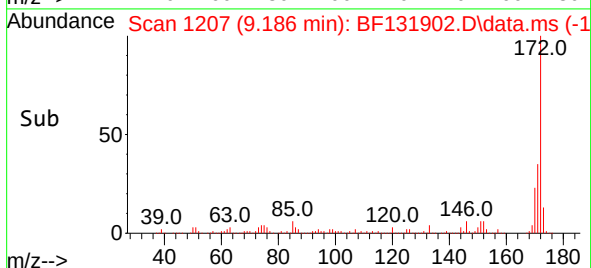
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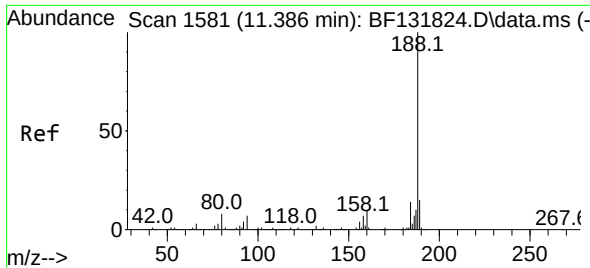


#45
2-Fluorobiphenyl
Concen: 86.802 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52



Tgt Ion: 172 Resp: 765928
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.2 18.7 28.1





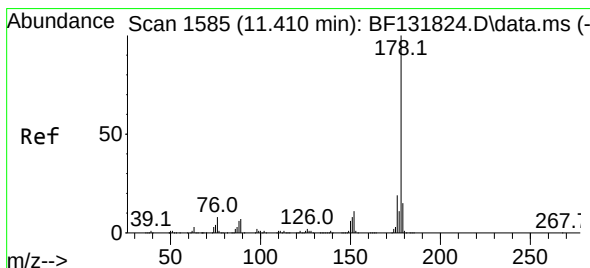
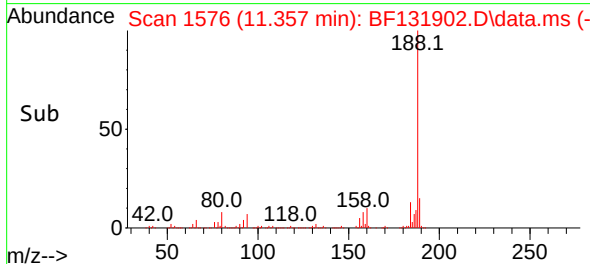
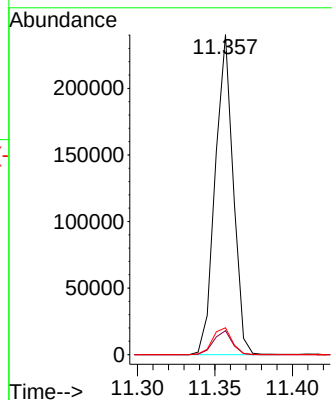
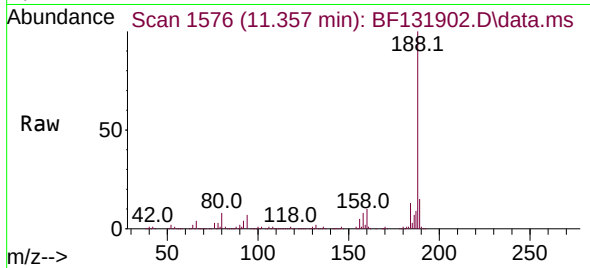
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Instrument :
BNA_F
ClientSampleId :
PL-01-10323

Tgt Ion:188 Resp: 194709
Ion Ratio Lower Upper
188 100
94 7.5 5.8 8.6
80 8.4 6.7 10.1

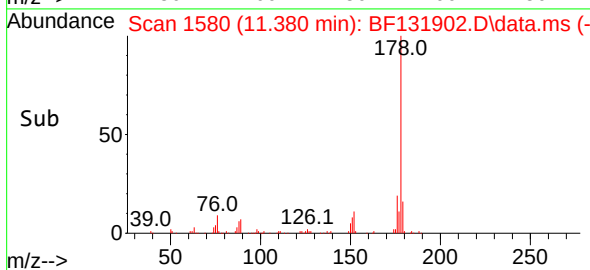
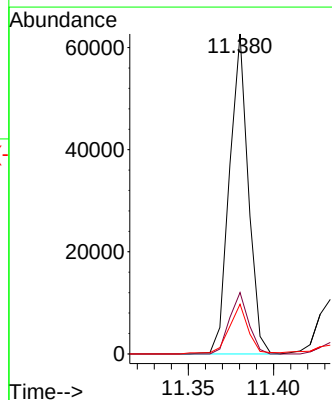
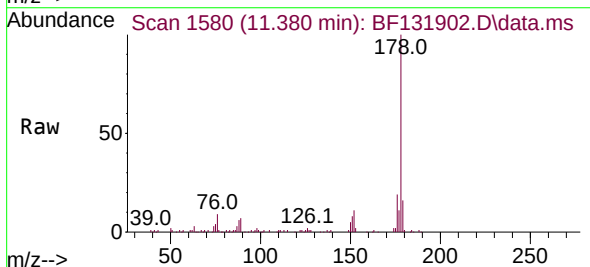
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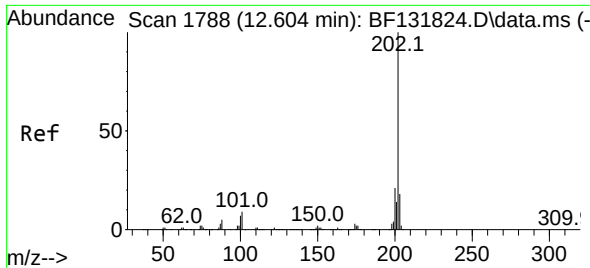
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#71
Phenanthrene
Concen: 4.488 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:178 Resp: 48059
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.4





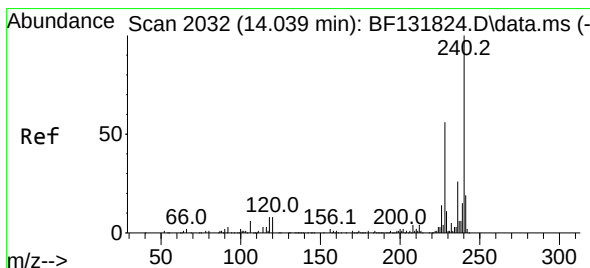
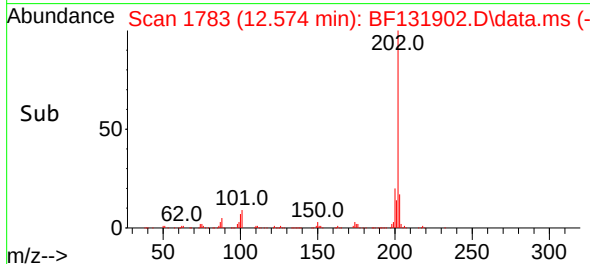
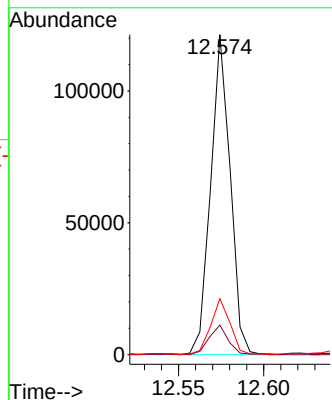
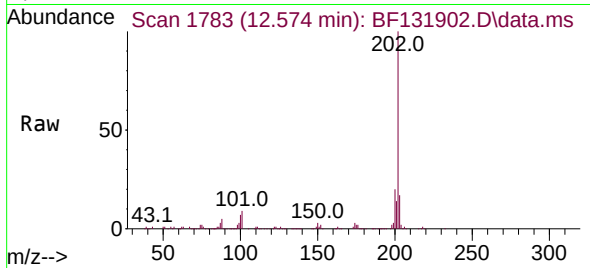
#75
Fluoranthene
Concen: 7.756 ng
RT: 12.574 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Instrument :
BNA_F
ClientSampleId :
PL-01-10323

Tgt Ion:202 Resp: 96733
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.6
203 17.5 0.0 37.8

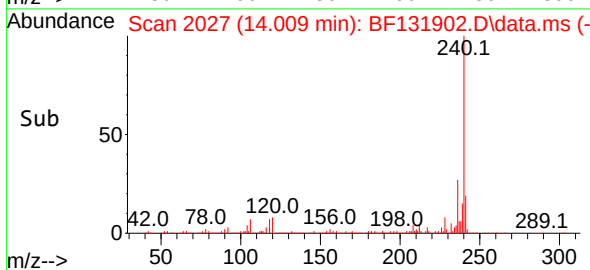
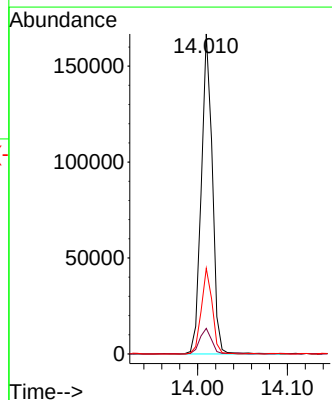
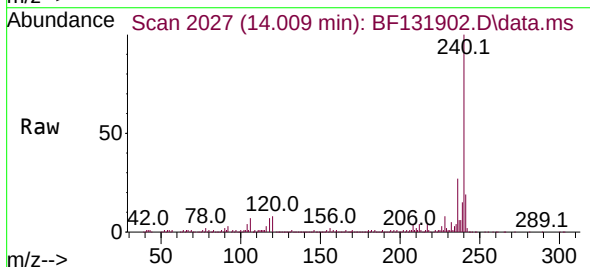
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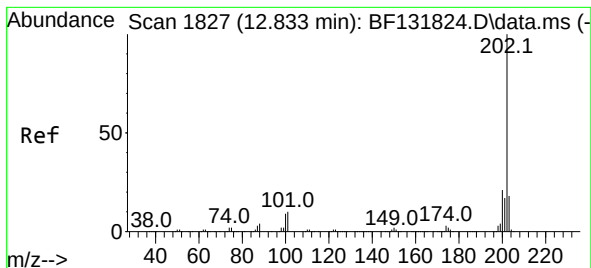
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Supervised By :Jagrut Upadhyay 01/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:240 Resp: 142061
Ion Ratio Lower Upper
240 100
120 8.0 6.7 10.1
236 26.7 20.6 31.0





#78

Pyrene

Concen: 7.826 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

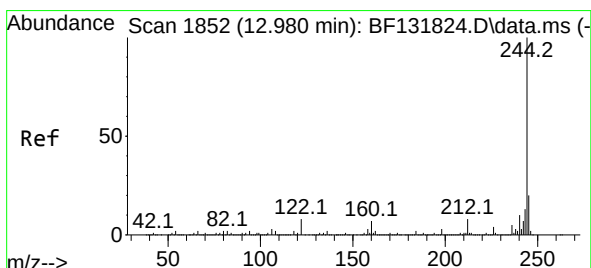
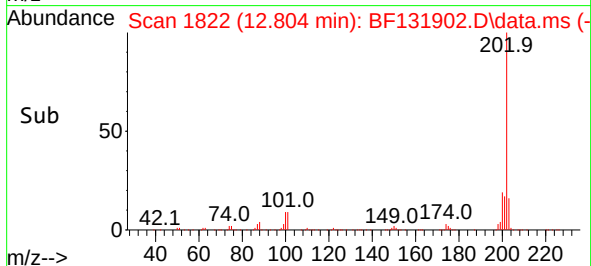
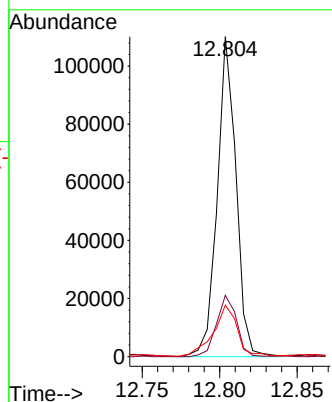
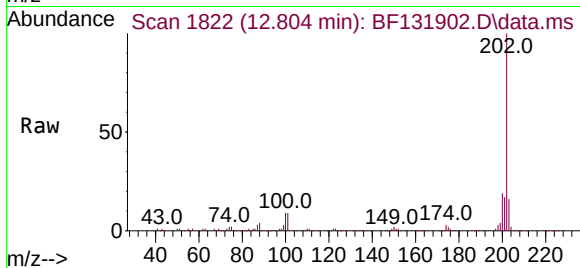
PL-01-10323

Tgt Ion:	202	Resp:	93179
Ion Ratio	Lower	Upper	
202	100		
200	19.1	16.7	25.1
203	16.1	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 67.467 ng

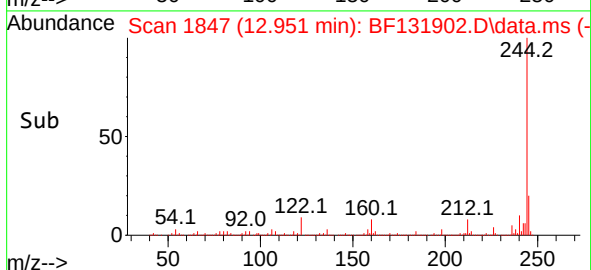
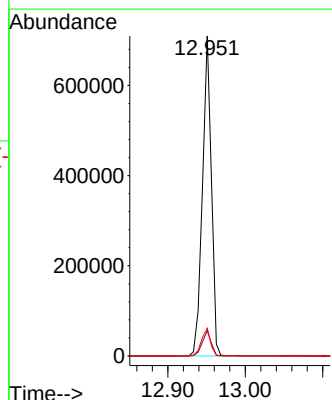
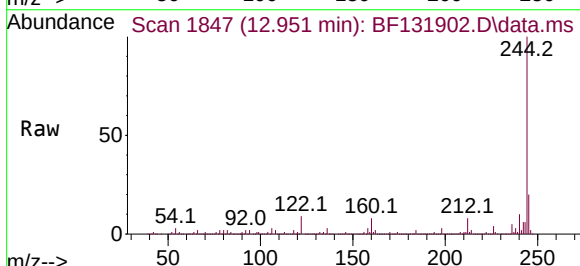
RT: 12.951 min Scan# 1847

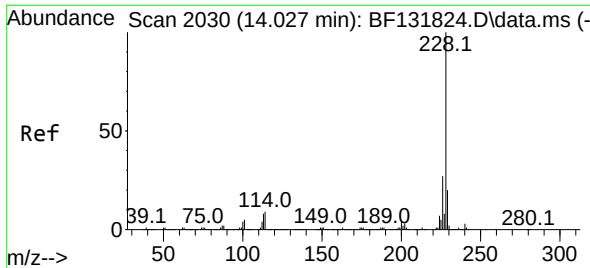
Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

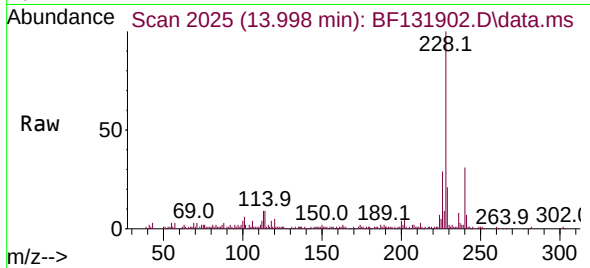
Tgt Ion:	244	Resp:	566614
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.3	9.5
122	8.6	6.4	9.6





#81
Benzo(a)anthracene
Concen: 4.459 ng
RT: 13.998 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

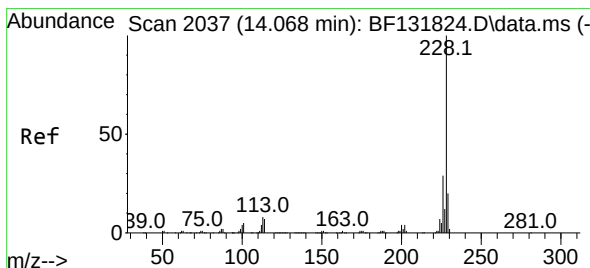
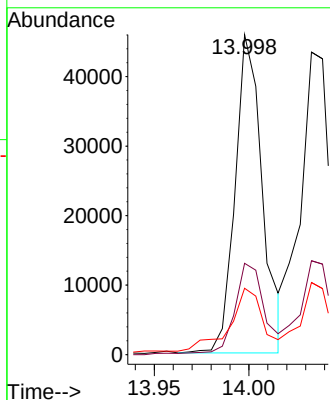
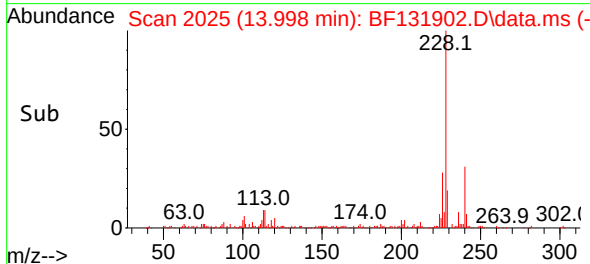
Instrument :
BNA_F
ClientSampleId :
PL-01-10323



Tgt Ion:228 Resp: 45862
Ion Ratio Lower Upper
228 100
226 28.5 22.0 33.0
229 20.7 16.0 24.0

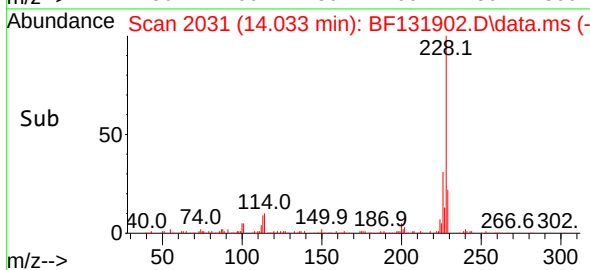
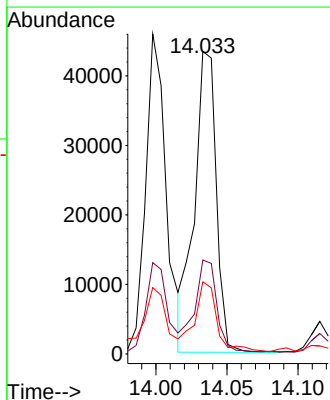
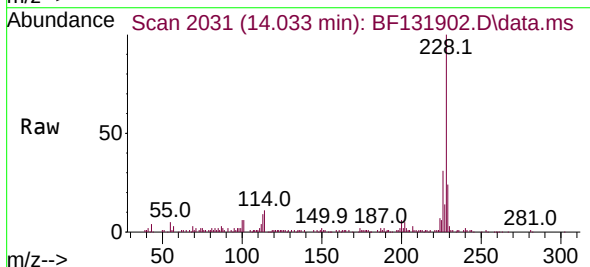
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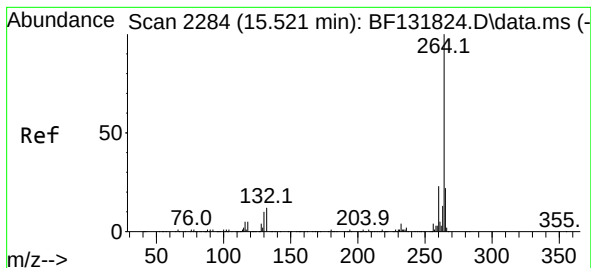
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#83
Chrysene
Concen: 4.794 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

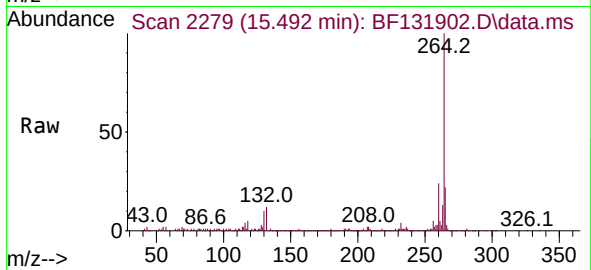
Tgt Ion:228 Resp: 46338
Ion Ratio Lower Upper
228 100
226 31.0 23.5 35.3
229 23.9 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

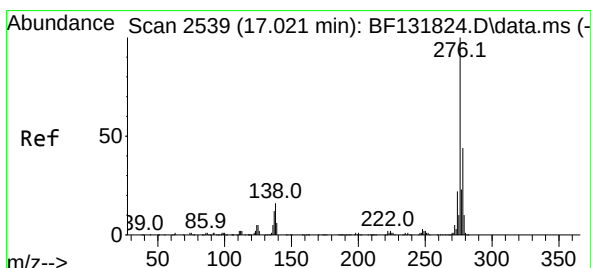
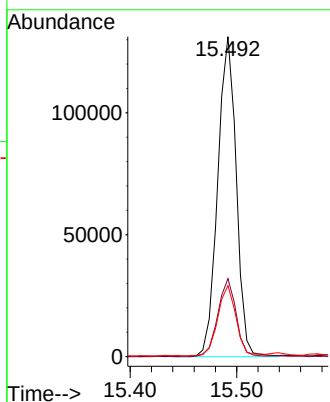
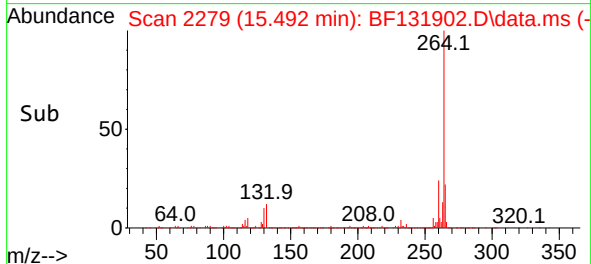
Instrument :
BNA_F
ClientSampleId :
PL-01-10323



Tgt Ion:264 Resp: 158907
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 22.2 17.4 26.0

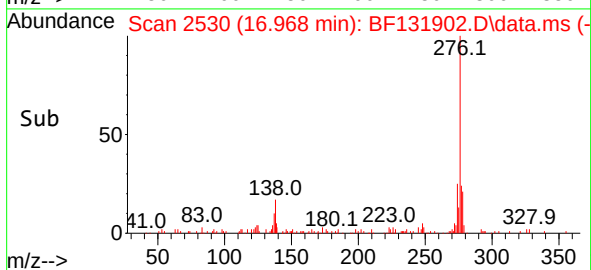
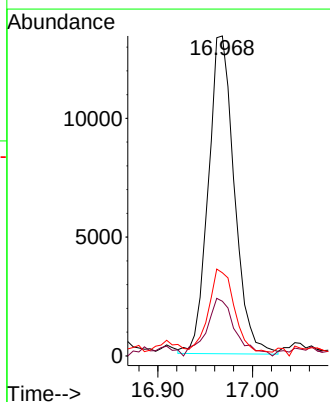
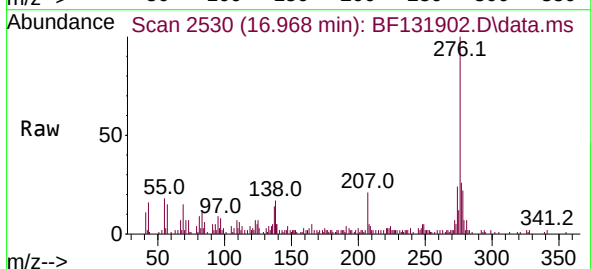
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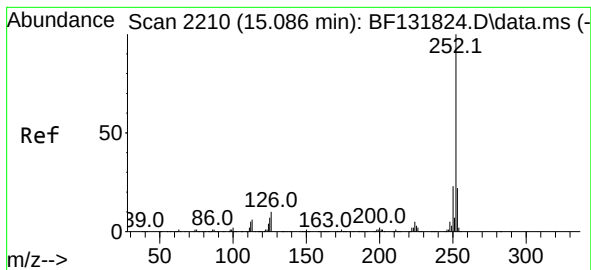
Reviewed By :Christian Giraldo 01/05/2023
Supervised By :Jagrut Upadhyay 01/05/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.534 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.012 min
Lab File: BF131902.D
Acq: 04 Jan 2023 16:52

Tgt Ion:276 Resp: 25585
Ion Ratio Lower Upper
276 100
138 19.7 14.5 21.7
277 25.9 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 5.370 ng m

RT: 15.056 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Instrument :

BNA_F

ClientSampleId :

PL-01-10323

Tgt Ion:252 Resp: 62564

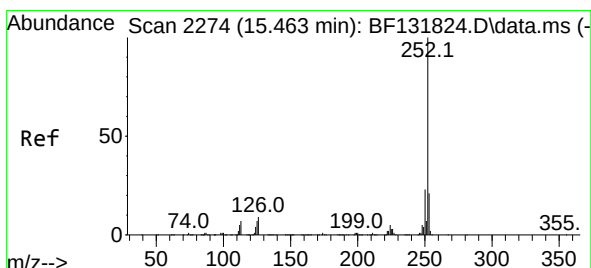
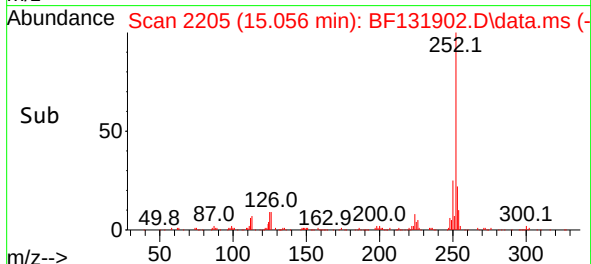
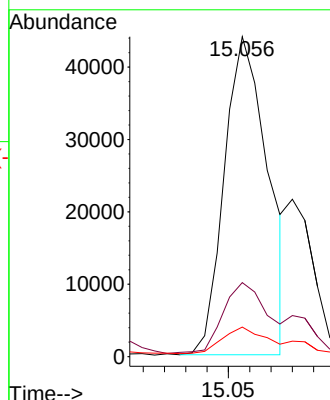
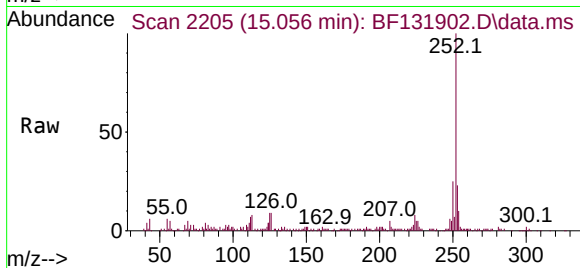
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	9.2	5.8	8.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/05/2023

Supervised By :Jagrut Upadhyay 01/05/2023



#90

Benzo(a)pyrene

Concen: 4.779 ng

RT: 15.427 min Scan# 2268

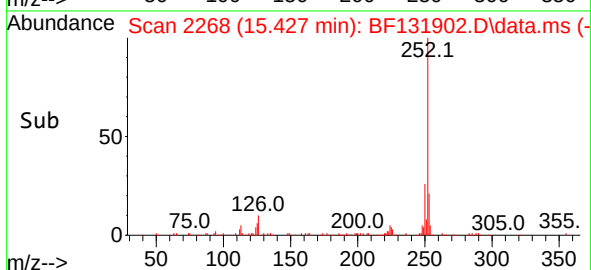
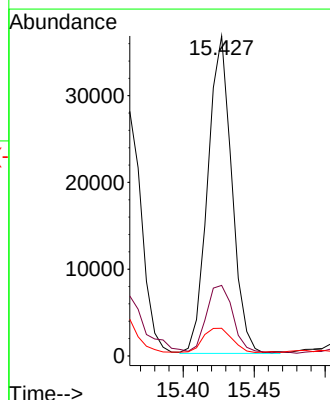
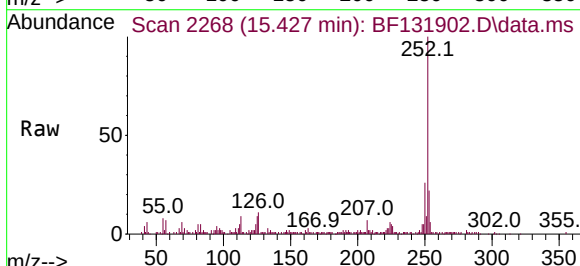
Delta R.T. -0.006 min

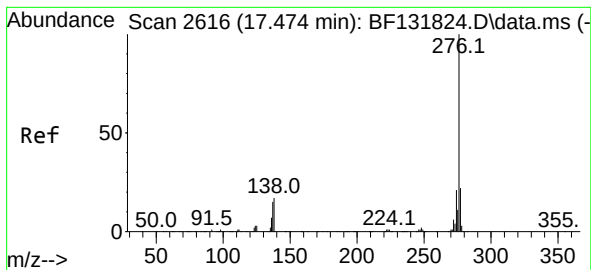
Lab File: BF131902.D

Acq: 04 Jan 2023 16:52

Tgt Ion:252 Resp: 43107

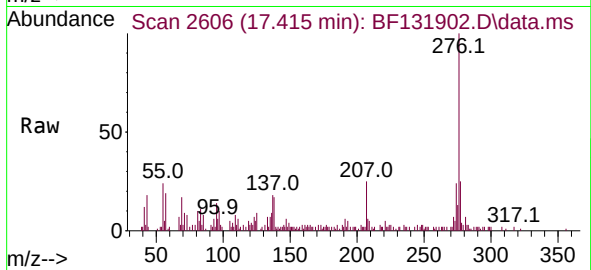
Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.6	24.8
125	8.6	5.8	8.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.408 ng
 RT: 17.415 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF131902.D
 Acq: 04 Jan 2023 16:52

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-10323



Tgt Ion: 276 Resp: 23725

Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	17.5	13.7	20.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/05/2023
 Supervised By : Jagrut Upadhyay 01/05/2023

