

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122822\
 Data File : BF131871.D
 Acq On : 28 Dec 2022 20:39
 Operator : CG\JU
 Sample : N6218-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/29/2022
 Supervised By : Jagrut Upadhyay 01/03/2023

Quant Time: Dec 29 01:00:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 05:13:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	62186	20.000	ng	-0.01
21) Naphthalene-d8	8.110	136	222642	20.000	ng	-0.02
39) Acenaphthene-d10	9.881	164	117258	20.000	ng	-0.01
64) Phenanthrene-d10	11.387	188	169716	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	115098	20.000	ng	0.00
86) Perylene-d12	15.522	264	124469	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	414879	110.563	ng	0.00
7) Phenol-d6	6.457	99	553526	112.277	ng	-0.01
23) Nitrobenzene-d5	7.393	82	381312	68.379	ng	-0.02
42) 2,4,6-Tribromophenol	10.681	330	123002	96.547	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	485846	56.753	ng	-0.01
79) Terphenyl-d14	12.980	244	325705	47.867	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	197688	21.182	ng	# 95
72) Anthracene	11.463	178	27454	3.007	ng	# 71
75) Fluoranthene	12.610	202	322617	29.677	ng	97
78) Pyrene	12.839	202	259659	26.916	ng	98
81) Benzo(a)anthracene	14.028	228	130586	15.670	ng	98
83) Chrysene	14.063	228	134763	17.209	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	65713	8.310	ng	98
88) Benzo(b)fluoranthene	15.086	252	189835m	20.800	ng	
89) Benzo(k)fluoranthene	15.110	252	57025m	6.467	ng	
90) Benzo(a)pyrene	15.457	252	120701	17.082	ng	97
91) Dibenzo(a,h)anthracene	17.016	278	16600m	2.563	ng	
92) Benzo(g,h,i)perylene	17.451	276	61210	12.364	ng	96

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

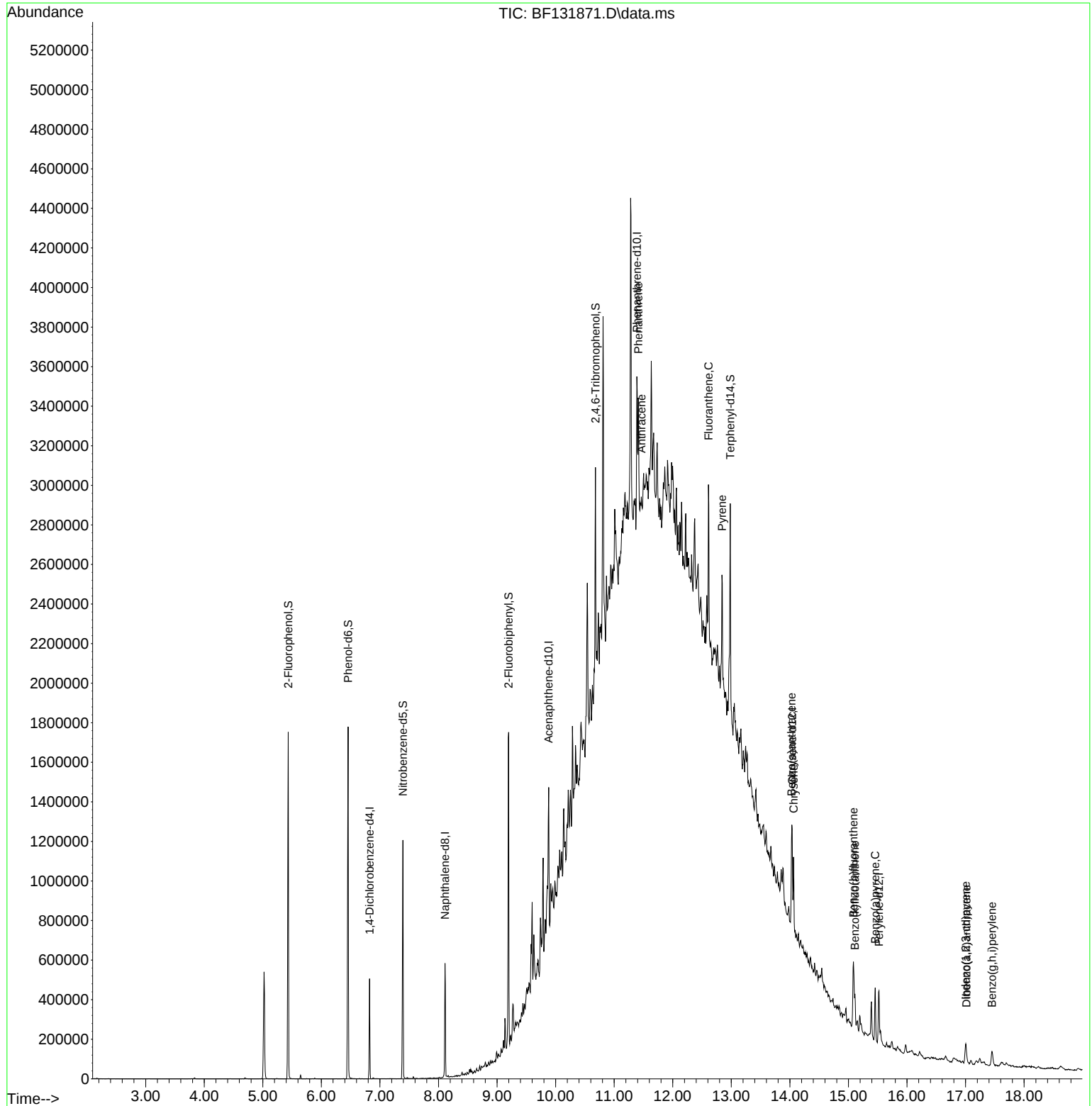
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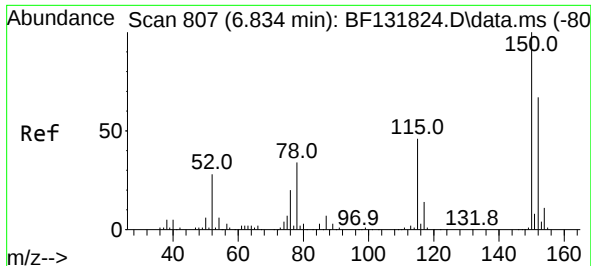
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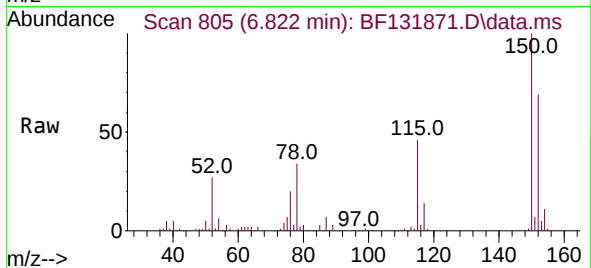
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

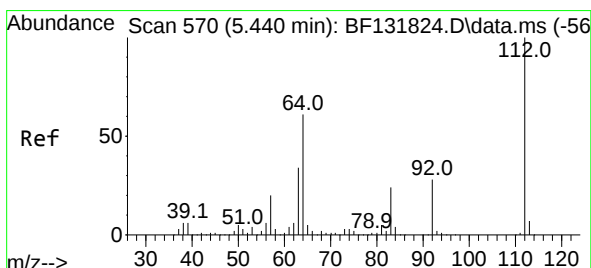
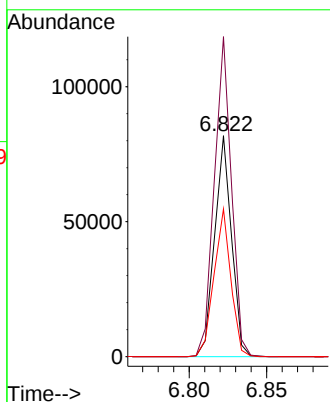
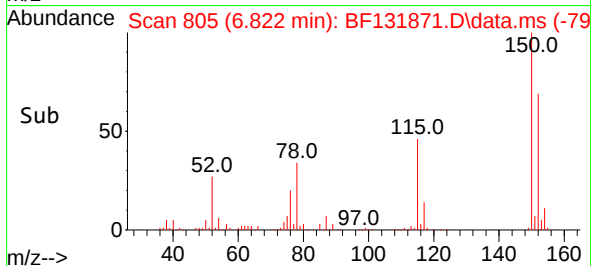
Instrument :
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ClientSampleId :
CHRT-26223



Tgt Ion:152 Resp: 62186
Ion Ratio Lower Upper
152 100
150 144.8 120.0 180.0
115 66.8 55.1 82.7

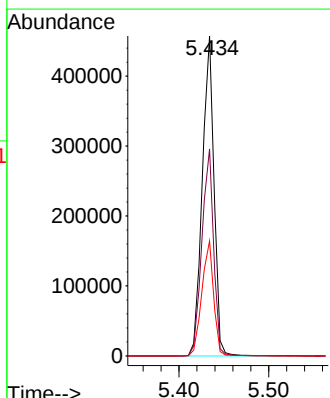
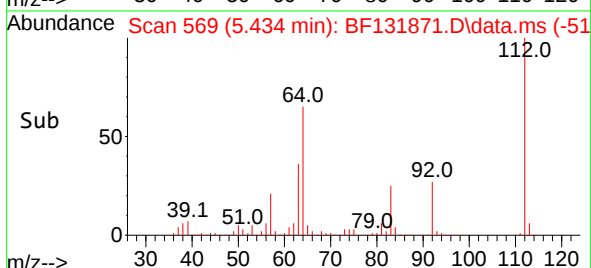
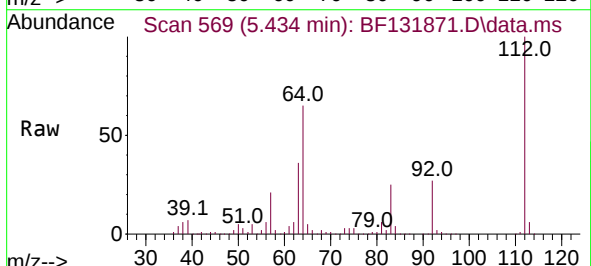
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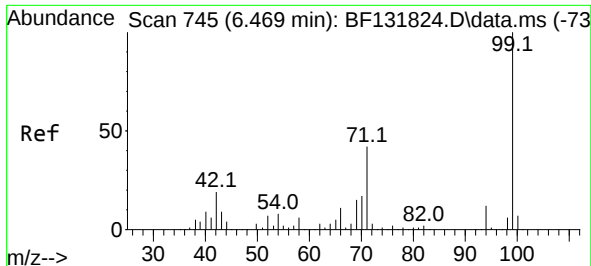
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#5
2-Fluorophenol
Concen: 110.563 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

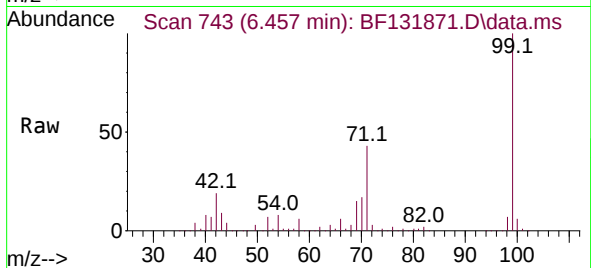
Tgt Ion:112 Resp: 414879
Ion Ratio Lower Upper
112 100
64 64.7 49.2 73.8
63 35.9 27.5 41.3





#7
Phenol-d6
Concen: 112.277 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

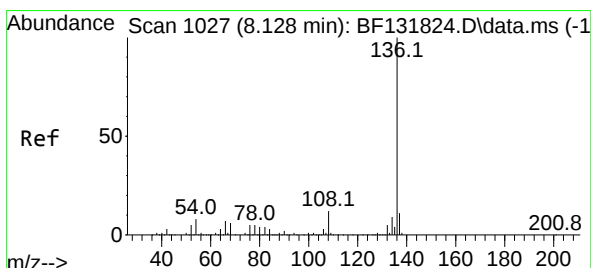
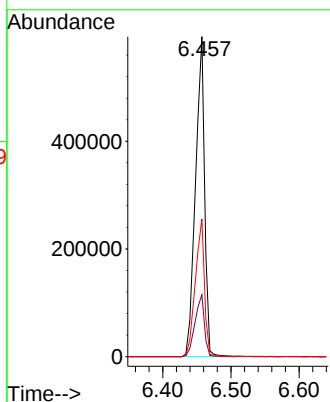
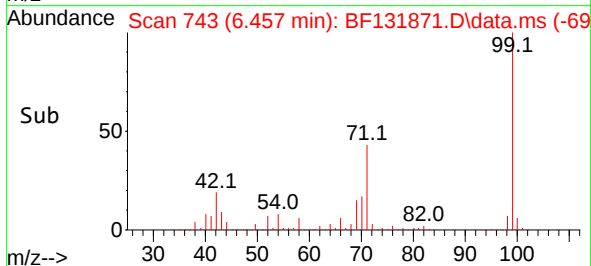
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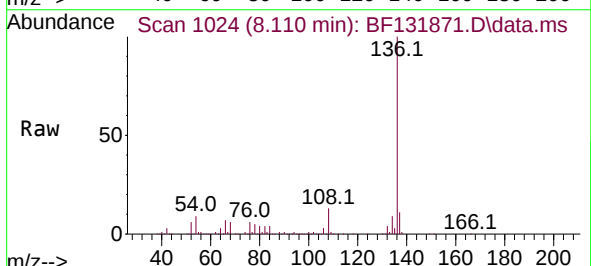
Tgt Ion: 99 Resp: 553526
Ion Ratio Lower Upper
99 100
42 19.3 15.3 22.9
71 43.0 33.5 50.3

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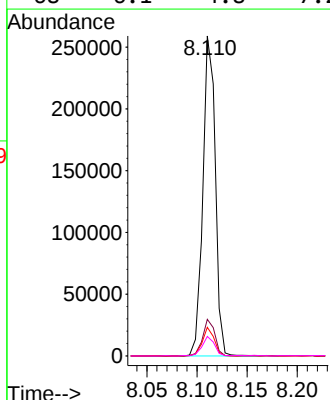
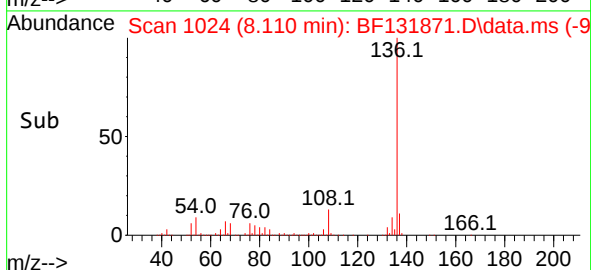
Reviewed By :Christian Giraldo 12/29/2022
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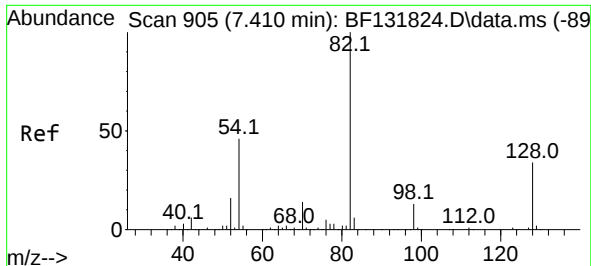


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.017 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39



Tgt Ion:136 Resp: 222642
Ion Ratio Lower Upper
136 100
137 11.4 8.6 12.8
54 8.9 6.7 10.1
68 6.1 4.8 7.2





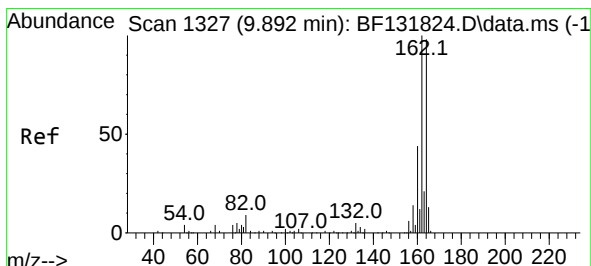
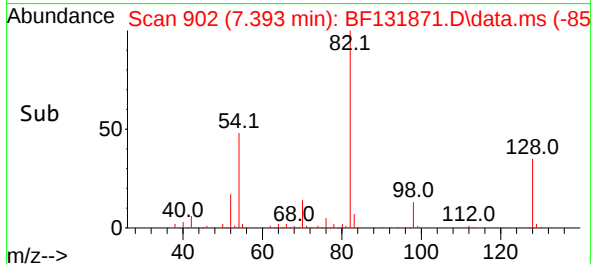
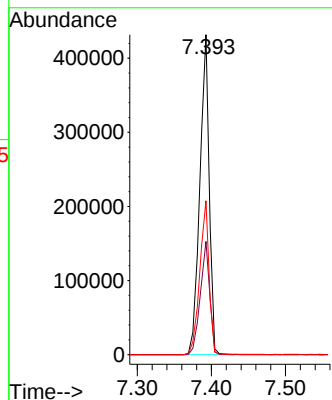
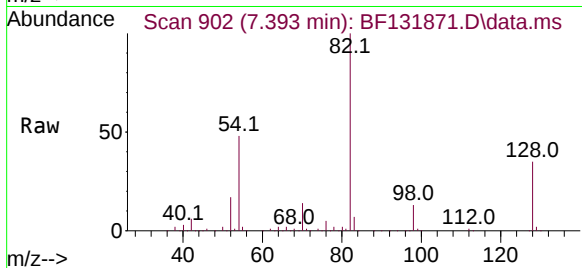
#23
Nitrobenzene-d5
Concen: 68.379 ng
RT: 7.393 min Scan# 905
Delta R.T. -0.017 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Instrument :
BNA_F
Client SampleId :
CHRT-26223

Tgt Ion: 82 Resp: 381312
Ion Ratio Lower Upper
82 100
128 35.4 27.1 40.7
54 48.1 37.0 55.6

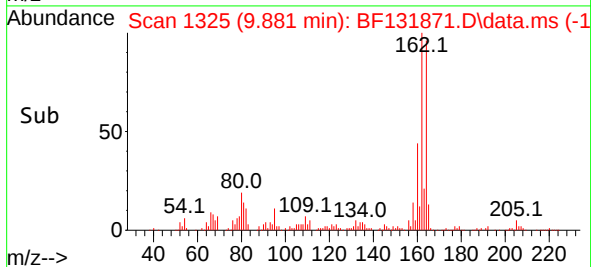
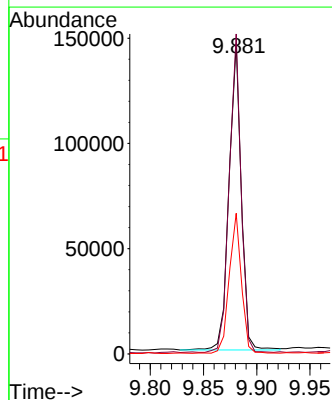
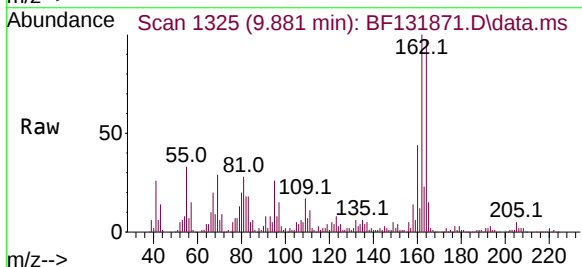
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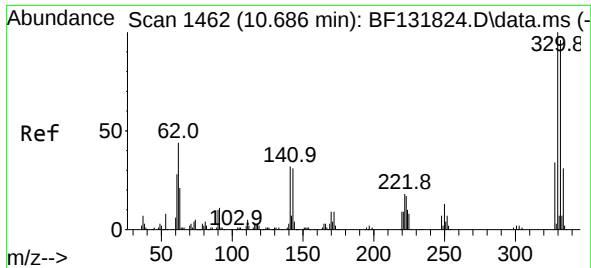
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion:164 Resp: 117258
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 45.3 35.7 53.5





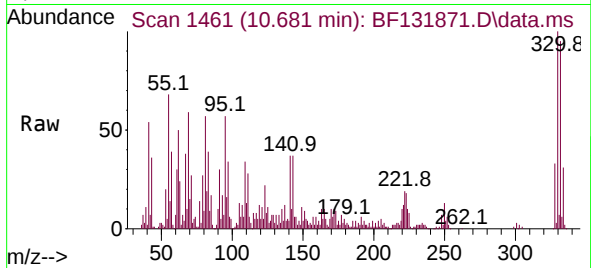
#42
2,4,6-Tribromophenol
Concen: 96.547 ng
RT: 10.681 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

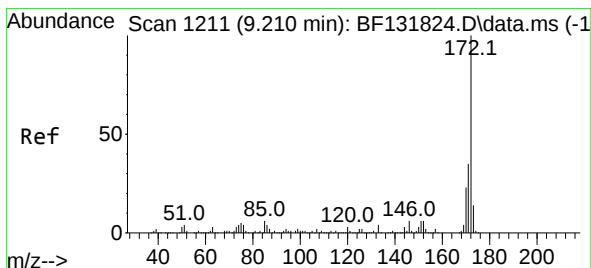
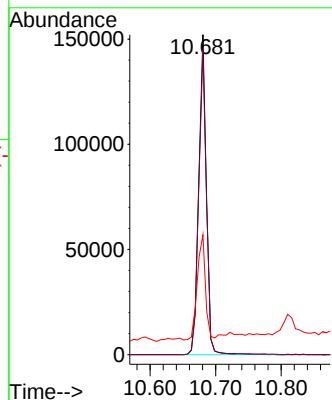
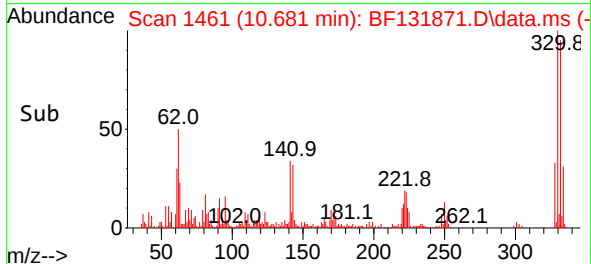


Tgt Ion: 330 Resp: 123002
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.4
141 35.1 31.0 46.4

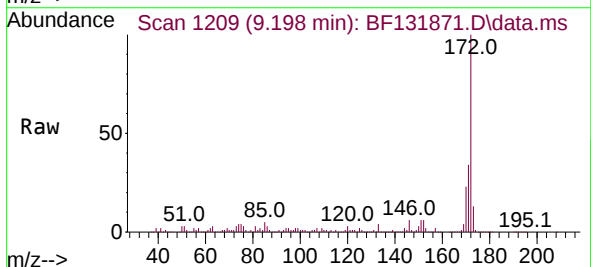
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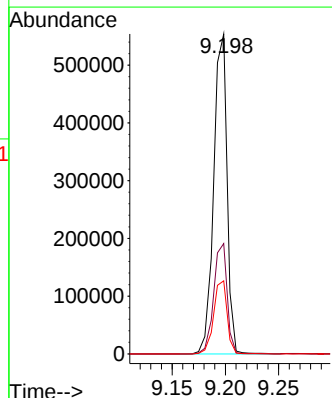
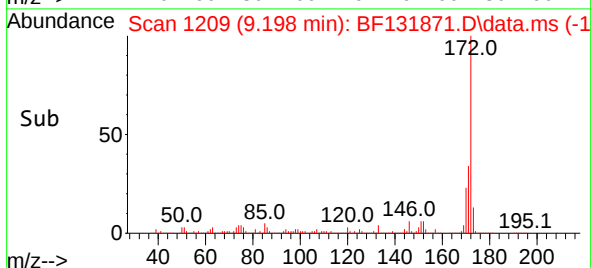
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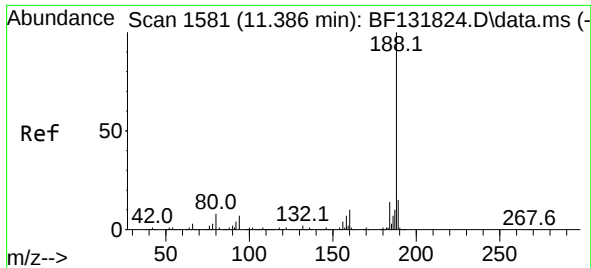


#45
2-Fluorobiphenyl
Concen: 56.753 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39



Tgt Ion: 172 Resp: 485846
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 22.8 18.7 28.1





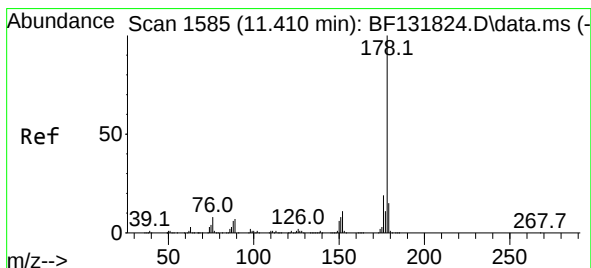
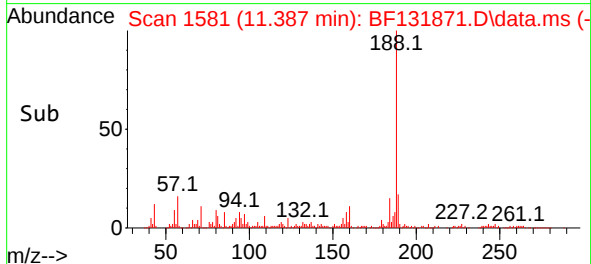
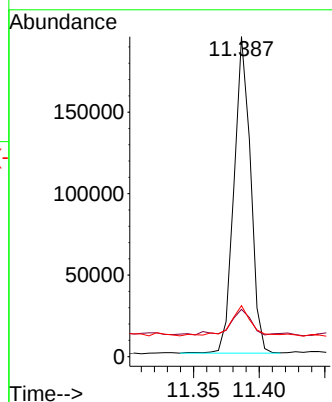
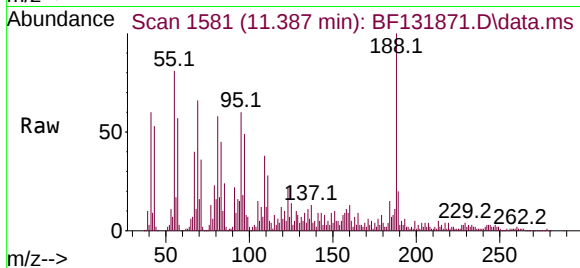
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.387 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Instrument :
BNA_F
ClientSampleId :
CHRT-26223

Tgt Ion:188 Resp: 169716
Ion Ratio Lower Upper
188 100
94 14.8 5.8 8.6
80 15.9 6.7 10.1

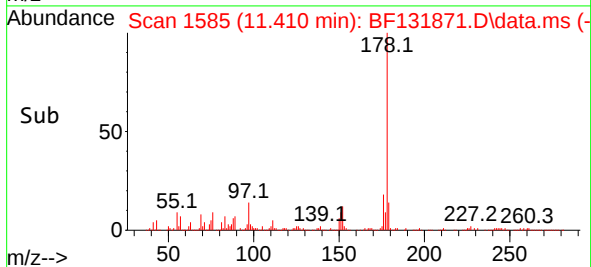
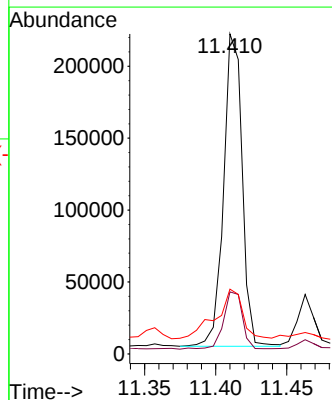
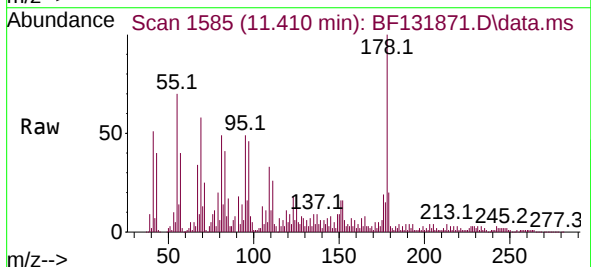
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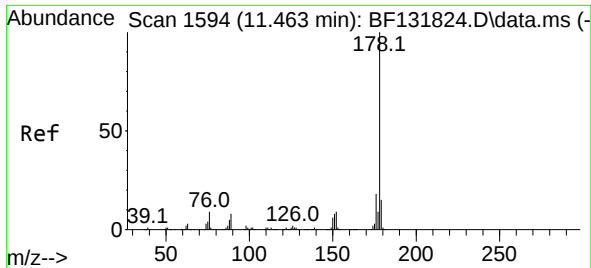
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#71
Phenanthrene
Concen: 21.182 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion:178 Resp: 197688
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 20.2 12.2 18.4





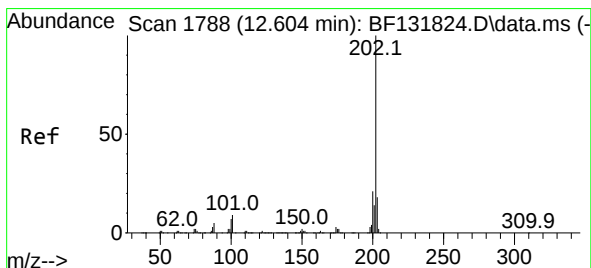
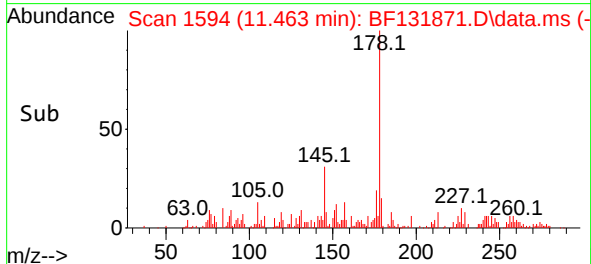
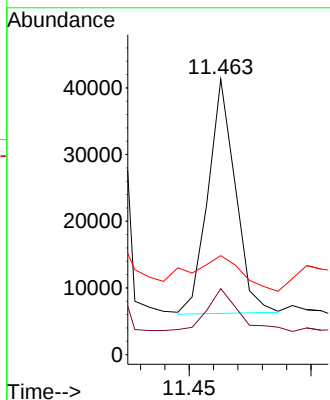
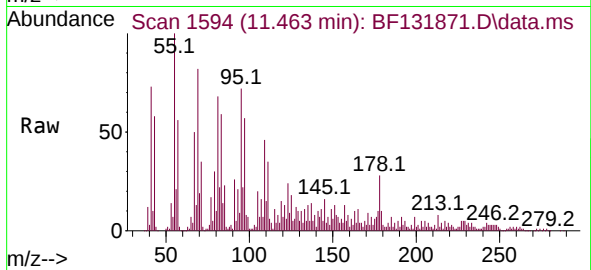
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 Anthracene
 Concen: 3.007 ng
 RT: 11.463 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26223

Tgt Ion:178 Resp: 27454
 Ion Ratio Lower Upper
 178 100
 176 23.9 14.8 22.2
 179 35.9 12.2 18.2

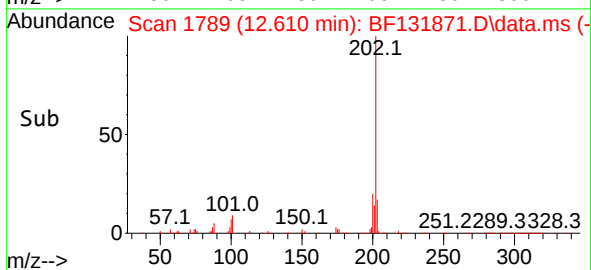
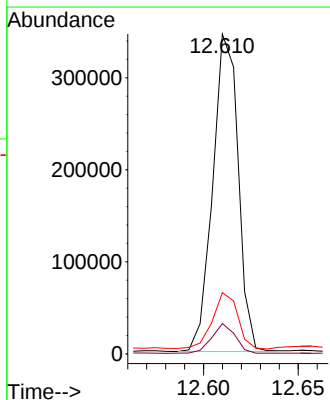
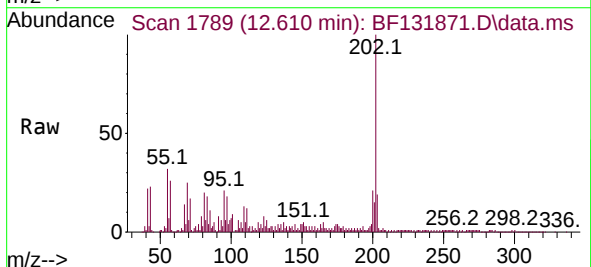
Manual Integrations
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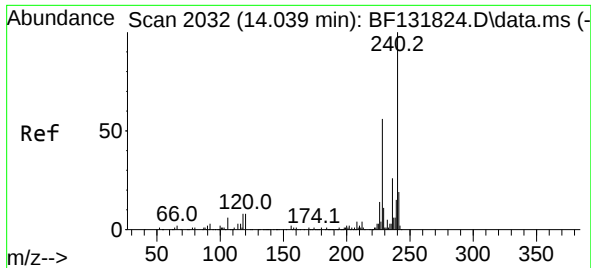
Reviewed By :Christian Giraldo 12/29/2022
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#75
 Fluoranthene
 Concen: 29.677 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

Tgt Ion:202 Resp: 322617
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 28.6
 203 19.1 0.0 37.8





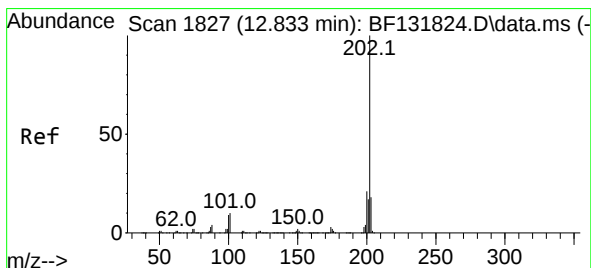
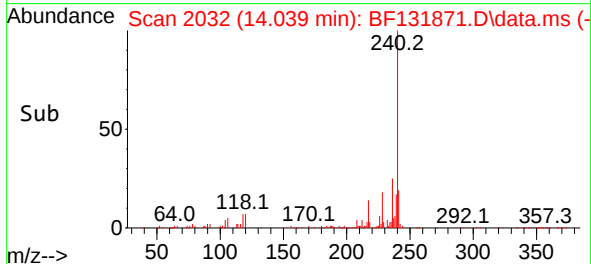
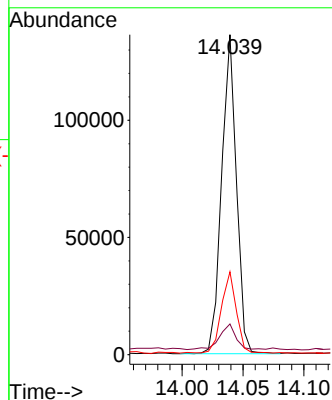
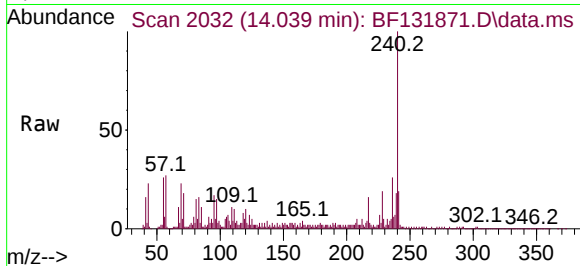
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Instrument :
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ClientSampleId :
CHRT-26223

Tgt Ion:240 Resp: 115098
Ion Ratio Lower Upper
240 100
120 9.6 6.7 10.1
236 25.9 20.6 31.0

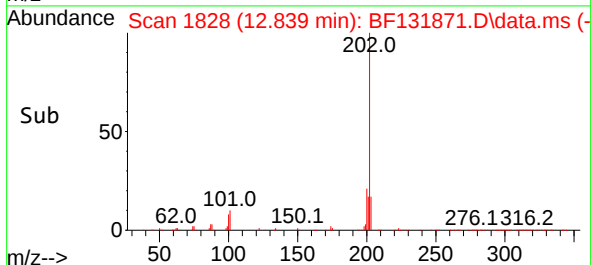
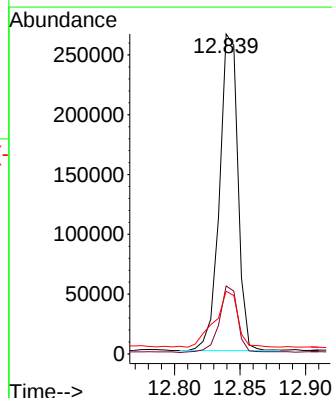
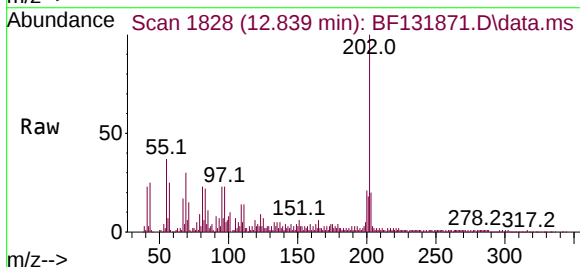
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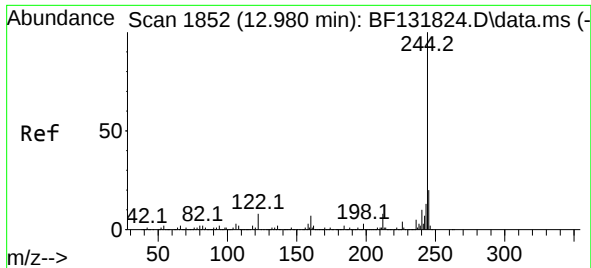
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#78
Pyrene
Concen: 26.916 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

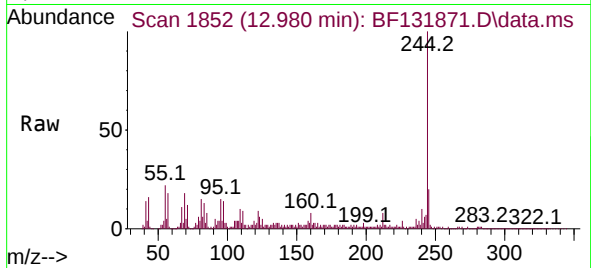
Tgt Ion:202 Resp: 259659
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 19.6 14.4 21.6





#79
 Terphenyl-d14
 Concen: 47.867 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

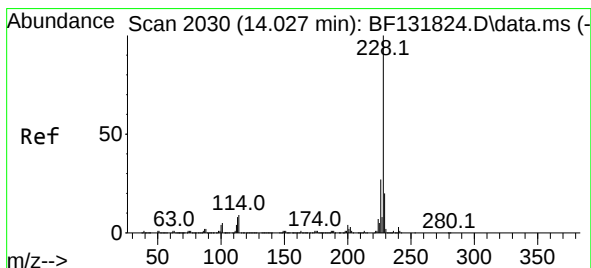
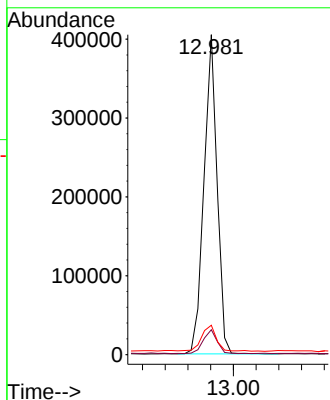
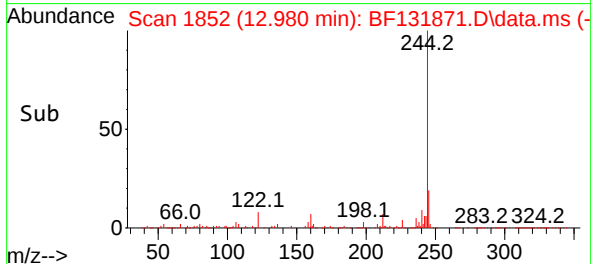
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26223



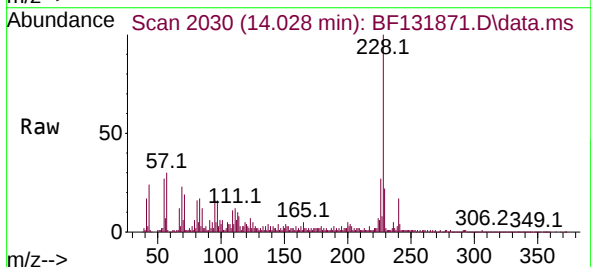
Tgt Ion:244 Resp: 325705
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 9.2 6.4 9.6

Manual Integrations
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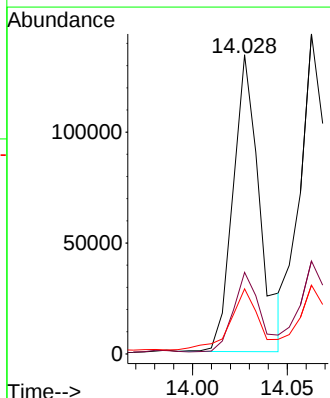
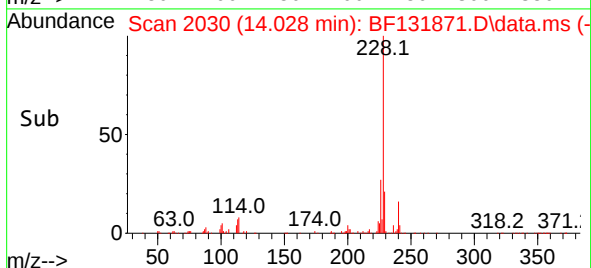
Reviewed By :Christian Giraldo 12/29/2022
 Supervised By :Jagrut Upadhyay 01/03/2023

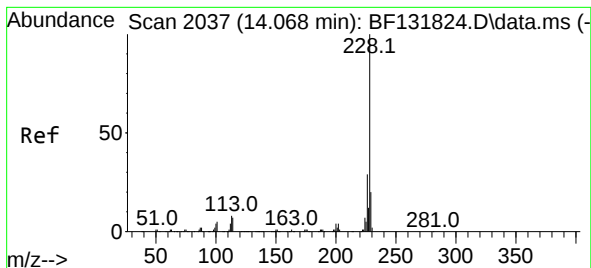


#81
 Benzo(a)anthracene
 Concen: 15.670 ng
 RT: 14.028 min Scan# 2030
 Delta R.T. 0.000 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39



Tgt Ion:228 Resp: 130586
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.0 33.0
 229 21.7 16.0 24.0





#83

Chrysene

Concen: 17.209 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

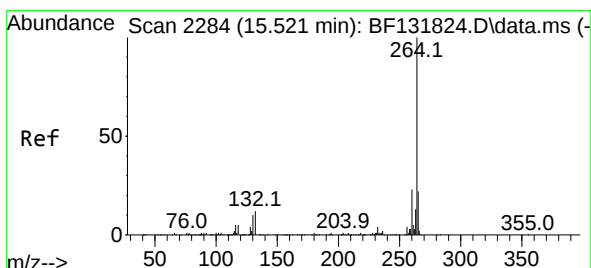
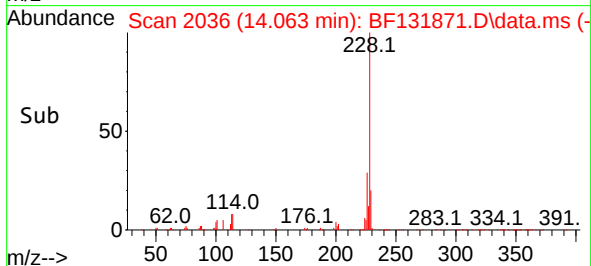
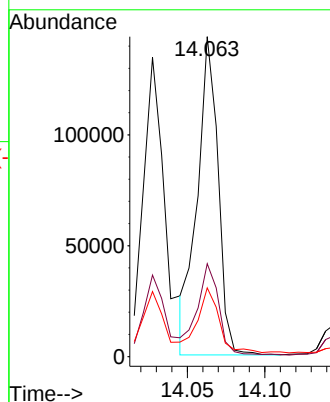
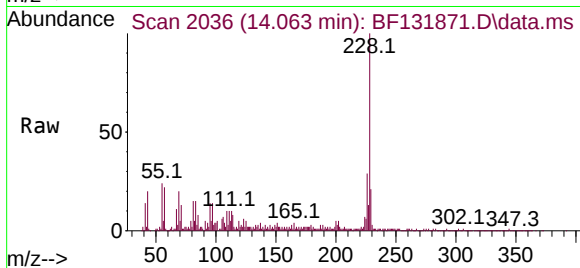
Tgt Ion:228 Resp: 134763

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	21.5	16.2	24.2

Manual Integrations

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Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.522 min Scan# 2284

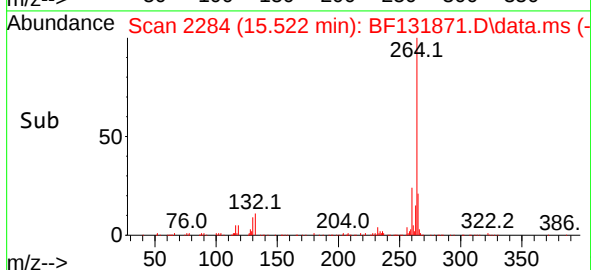
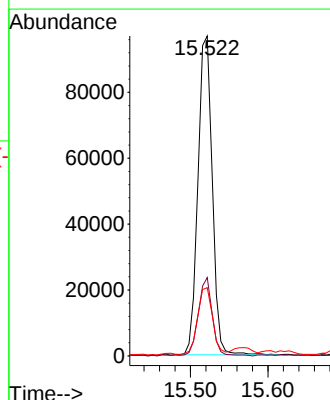
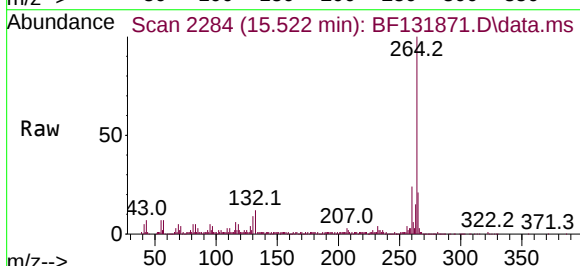
Delta R.T. 0.000 min

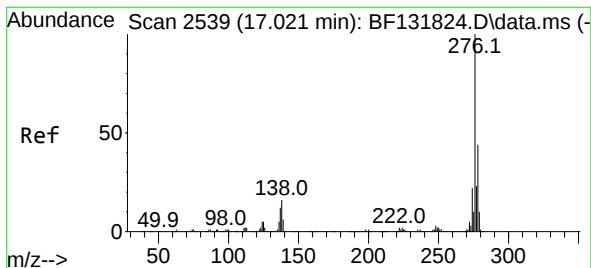
Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Tgt Ion:264 Resp: 124469

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	28.0
265	21.3	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.310 ng

RT: 17.004 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

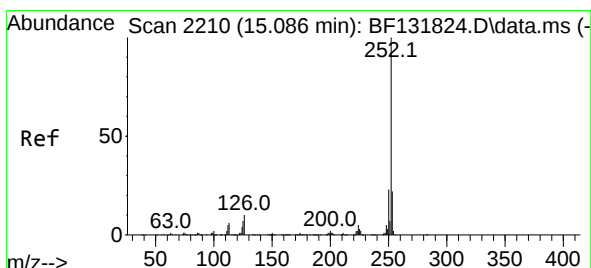
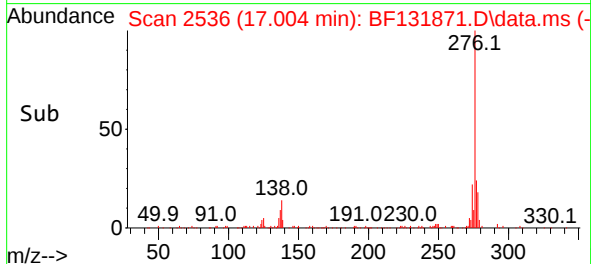
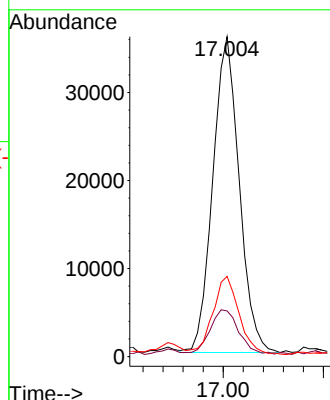
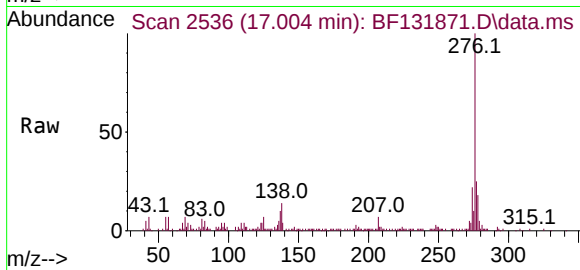
Tgt Ion:276 Resp: 65713

Ion	Ratio	Lower	Upper
276	100		
138	16.0	14.5	21.7
277	24.9	19.7	29.5

Manual Integrations

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Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#88

Benzo(b)fluoranthene

Concen: 20.800 ng m

RT: 15.086 min Scan# 2210

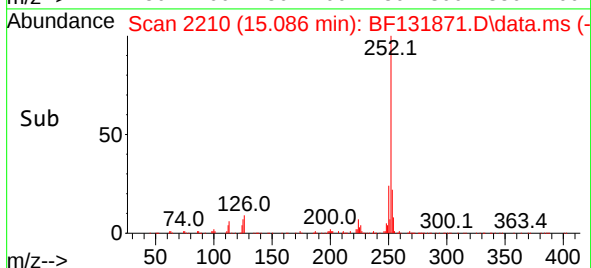
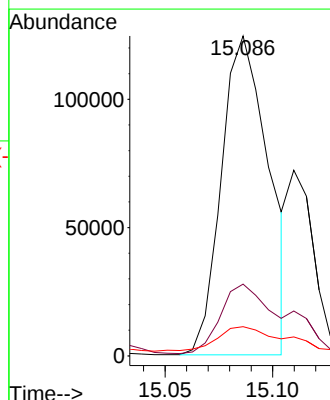
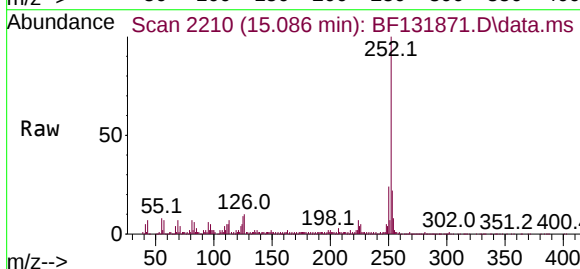
Delta R.T. 0.000 min

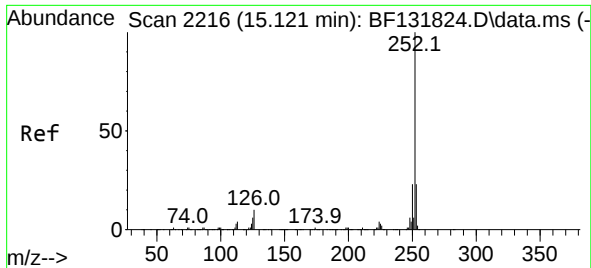
Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Tgt Ion:252 Resp: 189835

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	9.1	5.8	8.8





#89

Benzo(k)fluoranthene

Concen: 6.467 ng m

RT: 15.110 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

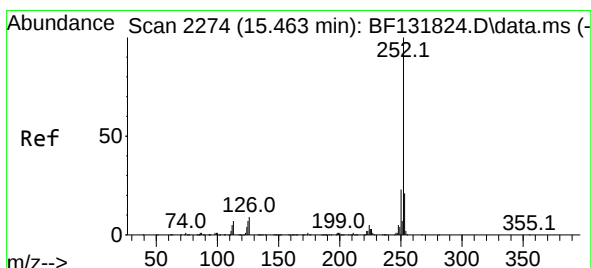
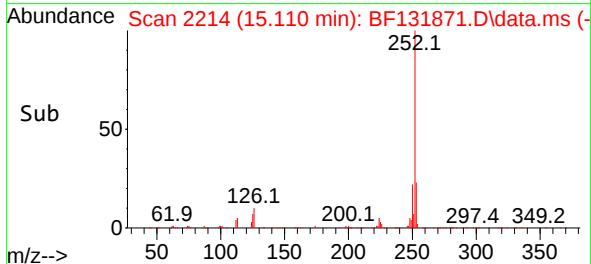
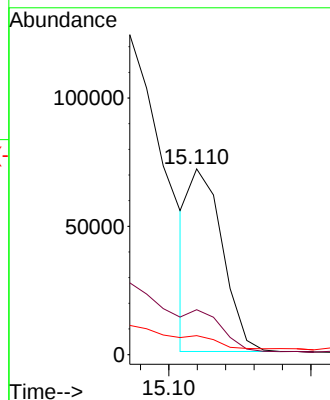
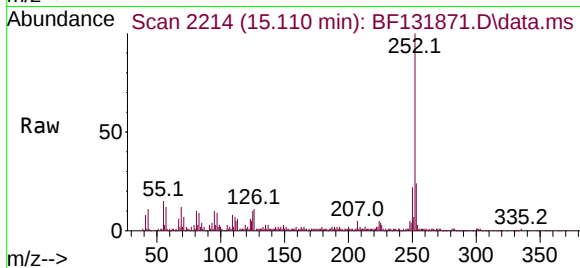
CHRT-26223

Tgt Ion:	252	Resp:	57025
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.7	26.5
125	10.2	5.4	8.0

Manual Integrations

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Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#90

Benzo(a)pyrene

Concen: 17.082 ng

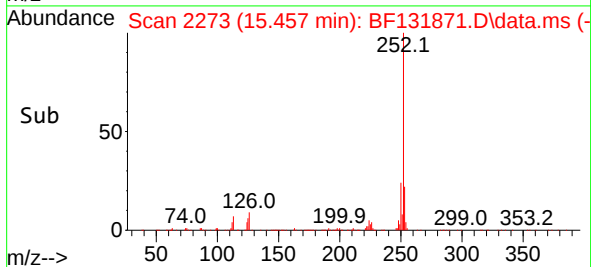
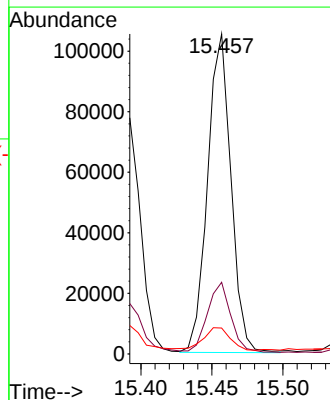
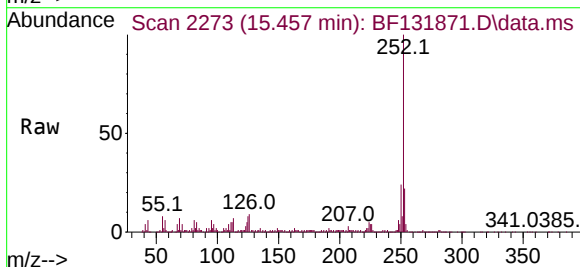
RT: 15.457 min Scan# 2273

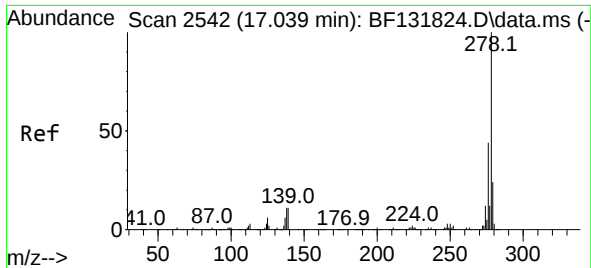
Delta R.T. -0.006 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Tgt Ion:	252	Resp:	120701
Ion Ratio	Lower	Upper	
252	100		
253	22.4	16.6	24.8
125	8.1	5.8	8.8





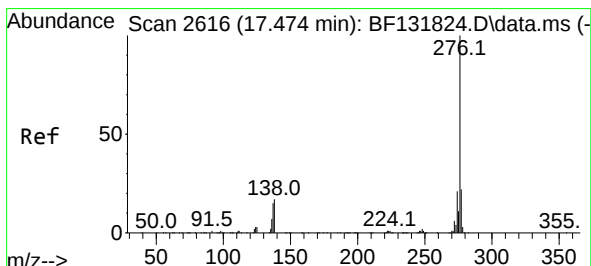
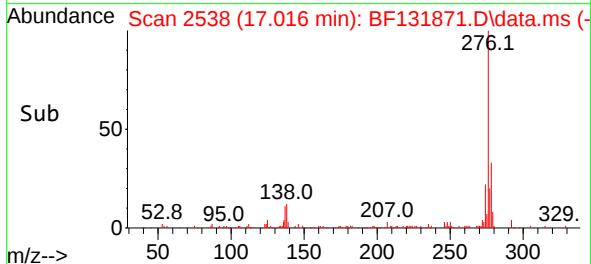
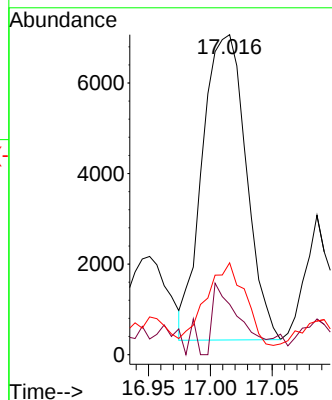
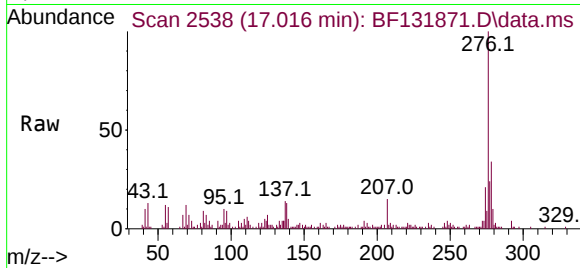
#91
Dibenzo(a,h)anthracene
Concen: 2.563 ng m
RT: 17.016 min Scan# 2538
Delta R.T. -0.023 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Instrument :
BNA_F
ClientSampleId :
CHRT-26223

Tgt Ion:278 Resp: 16600
Ion Ratio Lower Upper
278 100
139 15.7 8.6 12.8
279 28.7 19.0 28.4

Manual Integrations
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Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#92
Benzo(g,h,i)perylene
Concen: 12.364 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.023 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion:276 Resp: 61210
Ion Ratio Lower Upper
276 100
277 24.2 17.9 26.9
138 15.4 13.7 20.5

