

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131173.D
 Acq On : 12 Nov 2022 02:00
 Operator : CG\JU
 Sample : N5556-10 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-10

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

Quant Time: Nov 12 02:21:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63817	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	207078	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	77392	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	147879	20.000	ng	0.00
76) Chrysene-d12	14.063	240	120729	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	73813	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	59505	15.857	ng	0.00
7) Phenol-d6	6.498	99	125596	25.600	ng	0.00
23) Nitrobenzene-d5	7.434	82	92450	20.143	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	7592	9.492	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	161383	29.110	ng	0.00
79) Terphenyl-d14	12.998	244	185495	26.939	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	31053	3.818	ng	97
75) Fluoranthene	12.627	202	47215	5.799	ng	98
78) Pyrene	12.863	202	44198	4.267	ng	98
81) Benzo(a)anthracene	14.051	228	18454	2.139	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.074	276	7154	4.954	ng	# 81
88) Benzo(b)fluoranthene	15.121	252	14384m	2.756	ng	
90) Benzo(a)pyrene	15.492	252	8642	2.066	ng	# 63
92) Benzo(g,h,i)perylene	17.533	276	7375	5.657	ng	# 61

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

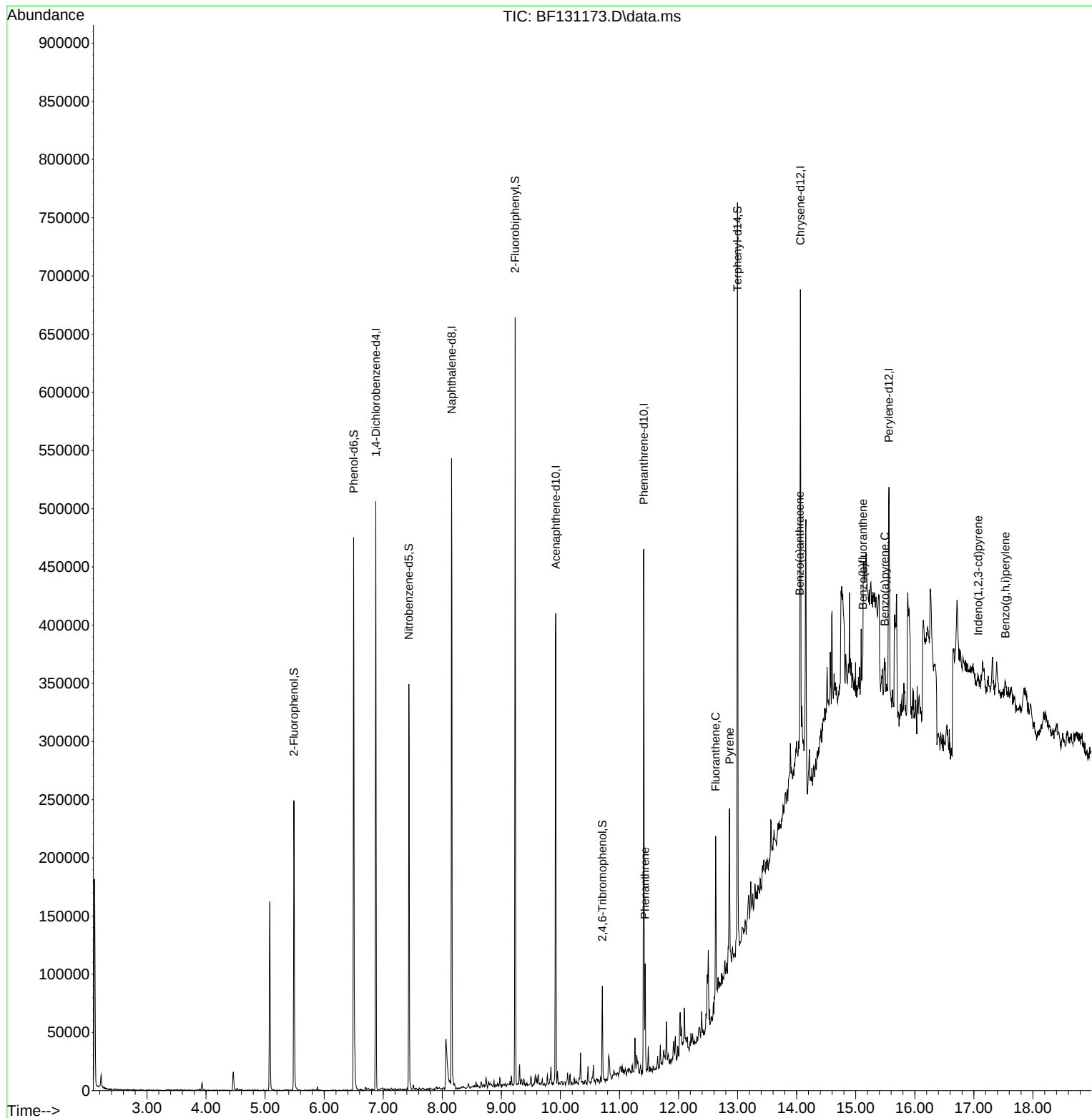
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
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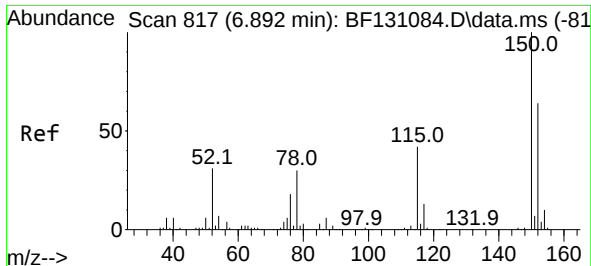
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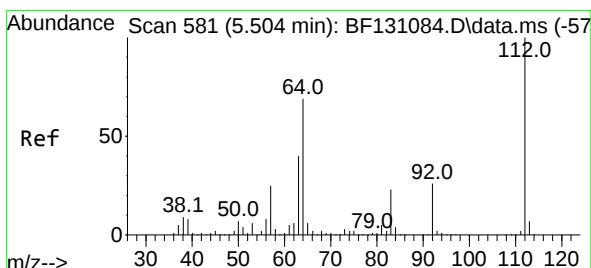
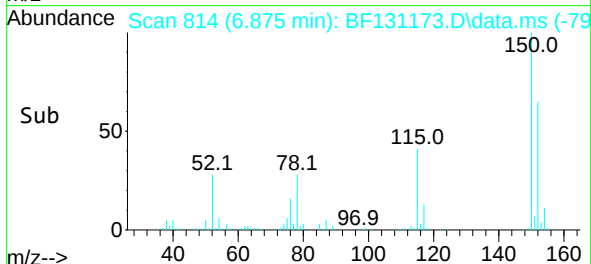
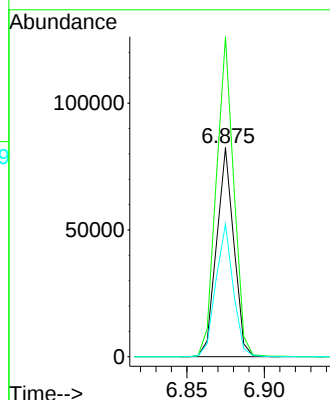
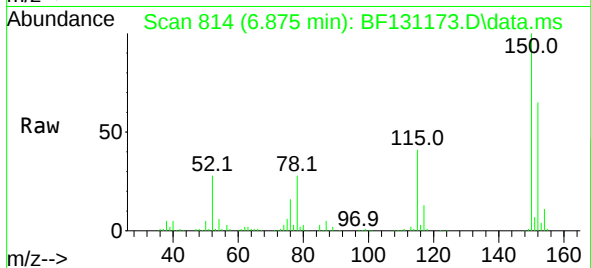
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Instrument :
BNA_F
ClientSampleId :
RM-10

Tgt Ion:152 Resp: 6381
Ion Ratio Lower Upper
152 100
150 153.1 125.5 188.3
115 63.4 52.2 78.2

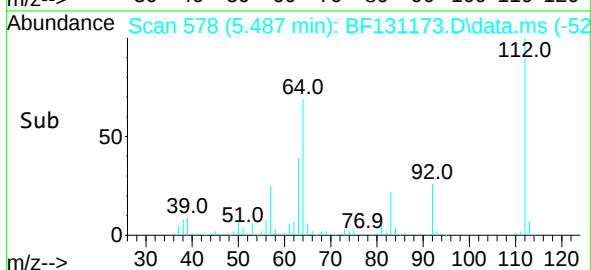
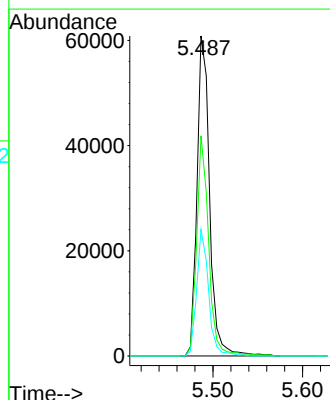
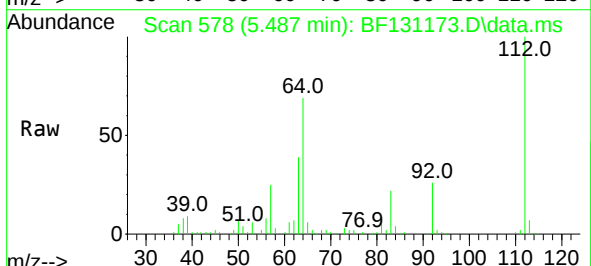
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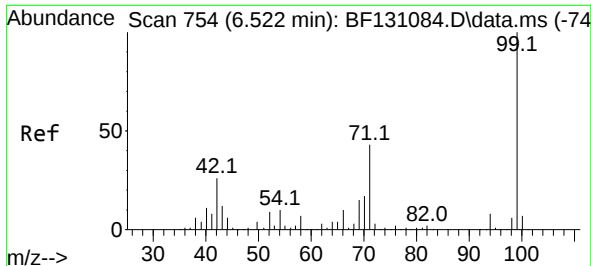
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#5
2-Fluorophenol
Concen: 15.857 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

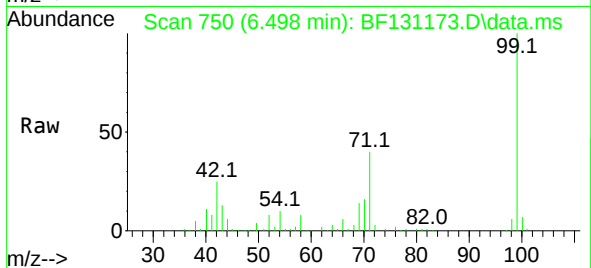
Tgt Ion:112 Resp: 59505
Ion Ratio Lower Upper
112 100
64 68.8 55.1 82.7
63 39.5 32.4 48.6





#7
Phenol-d6
Concen: 25.600 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

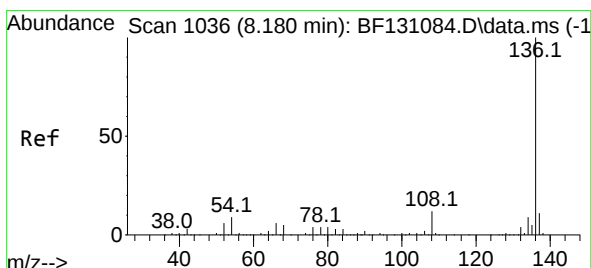
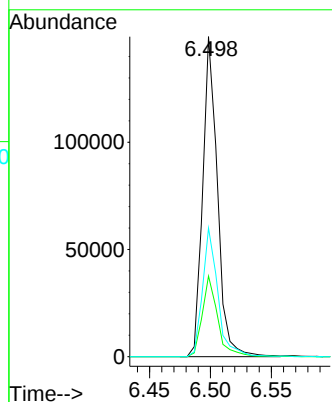
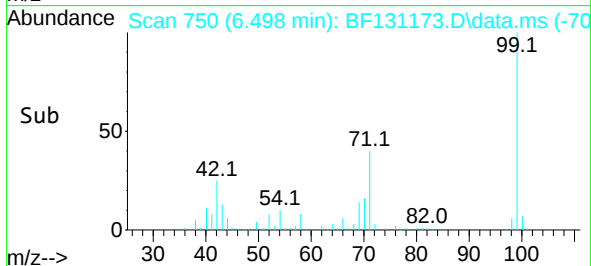
Instrument :
BNA_F
ClientSampleId :
RM-10



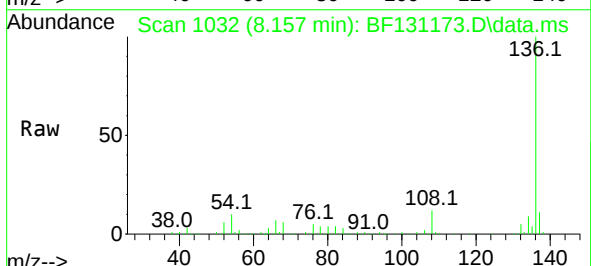
Tgt Ion: 99 Resp: 125590
Ion Ratio Lower Upper
99 100
42 25.2 20.8 31.2
71 40.2 34.2 51.4

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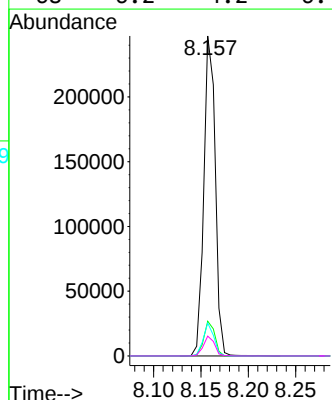
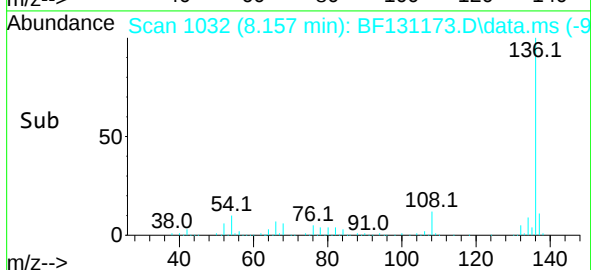
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

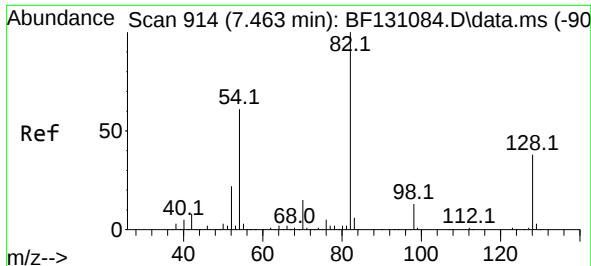


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00



Tgt Ion:136 Resp: 207078
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.3 7.2 10.8
68 6.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 20.143 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

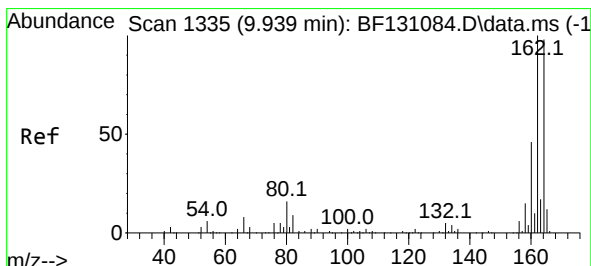
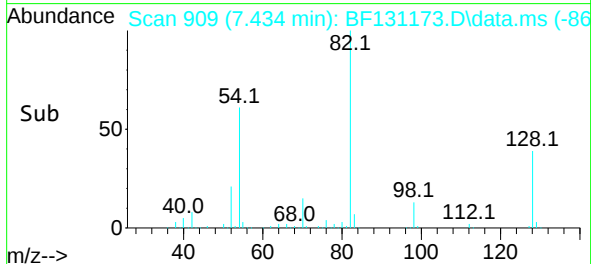
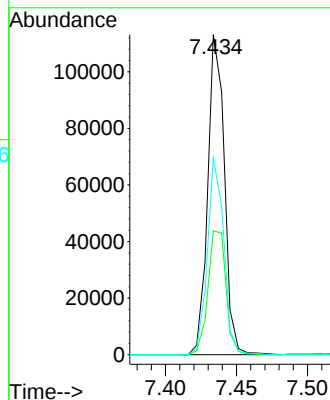
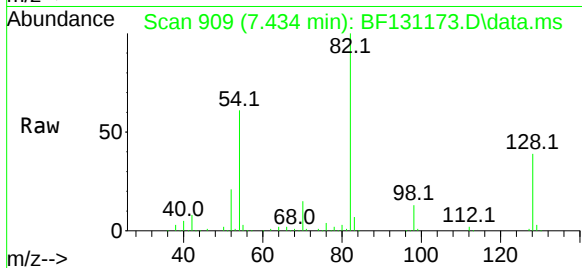
RM-10

Tgt Ion: 82 Resp: 92450
 Ion Ratio Lower Upper
 82 100
 128 38.7 30.5 45.7
 54 61.5 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

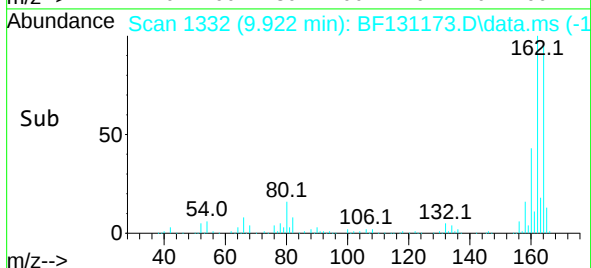
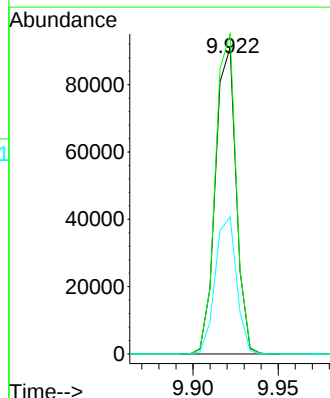
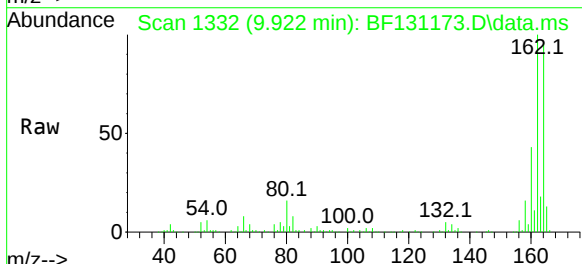
RT: 9.922 min Scan# 1332

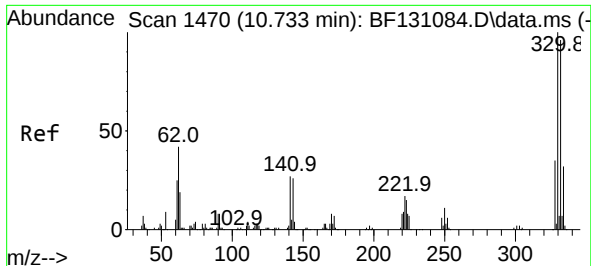
Delta R.T. -0.000 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Tgt Ion:164 Resp: 77392
 Ion Ratio Lower Upper
 164 100
 162 104.4 81.7 122.5
 160 44.8 37.4 56.2





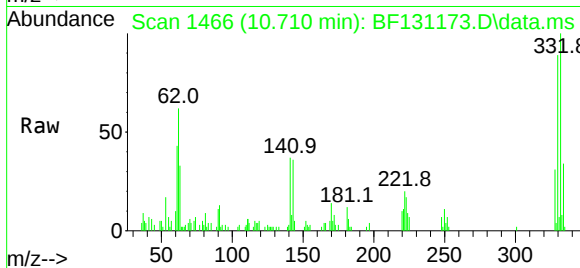
#42
2,4,6-Tribromophenol
Concen: 9.492 ng
RT: 10.710 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

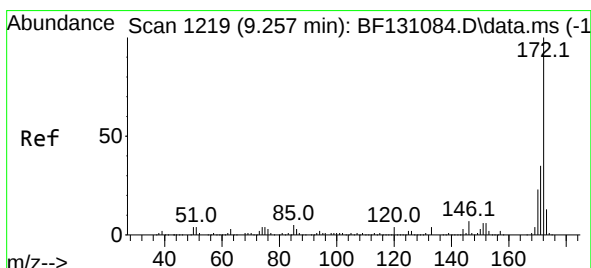
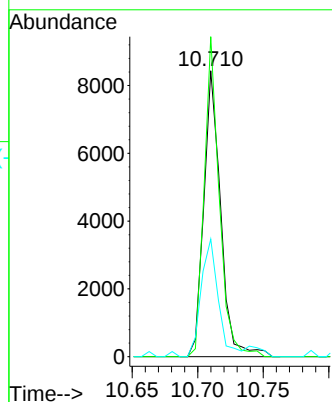
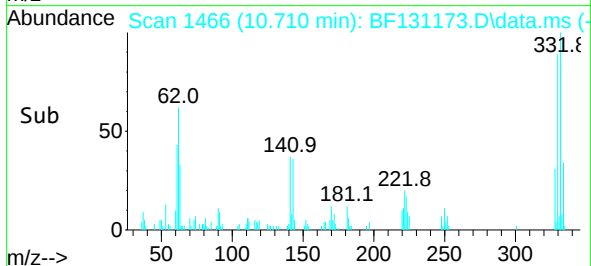


Tgt Ion: 330 Resp: 7592
Ion Ratio Lower Upper
330 100
332 100.4 77.0 115.4
141 42.4 28.5 42.7

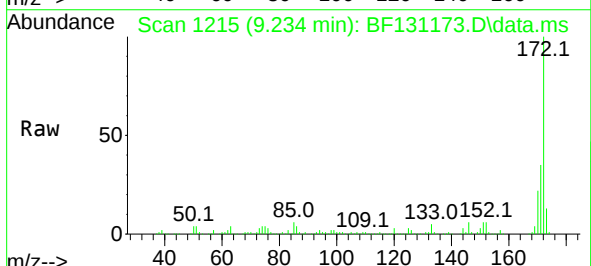
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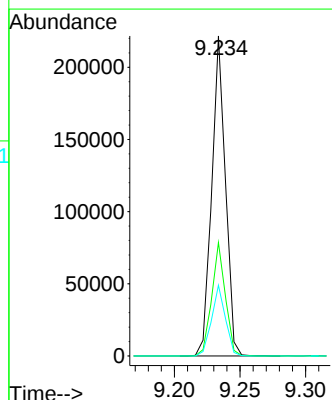
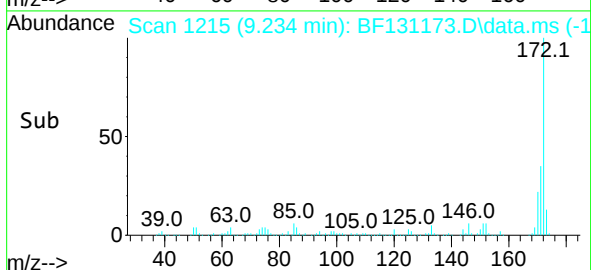
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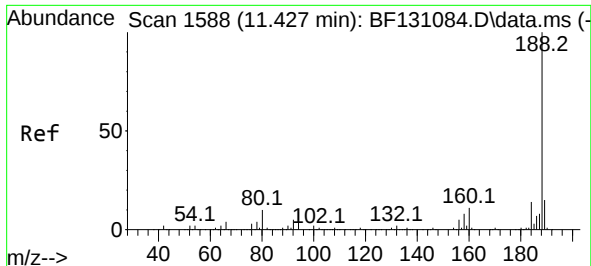


#45
2-Fluorobiphenyl
Concen: 29.110 ng
RT: 9.234 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00



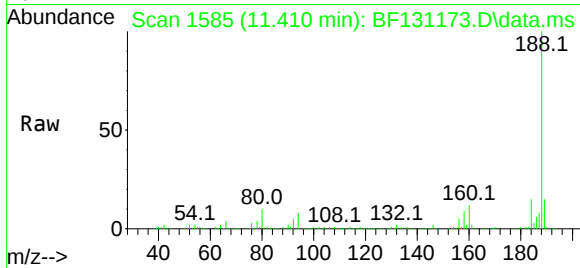
Tgt Ion: 172 Resp: 161383
Ion Ratio Lower Upper
172 100
171 35.5 27.7 41.5
170 22.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

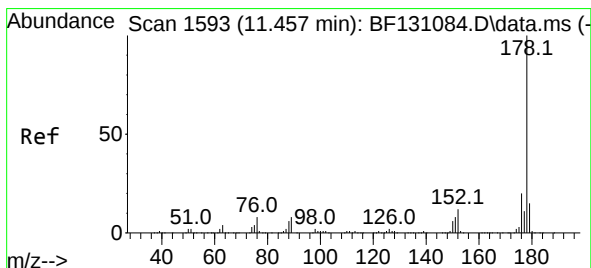
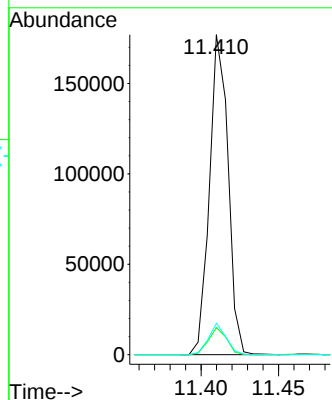
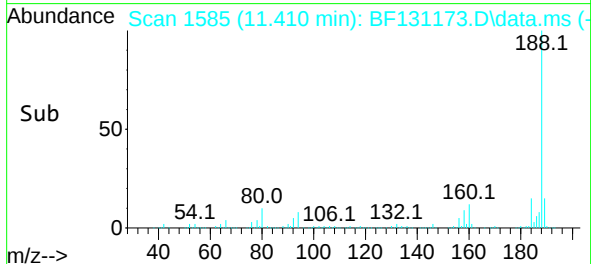
Instrument :
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ClientSampleId :
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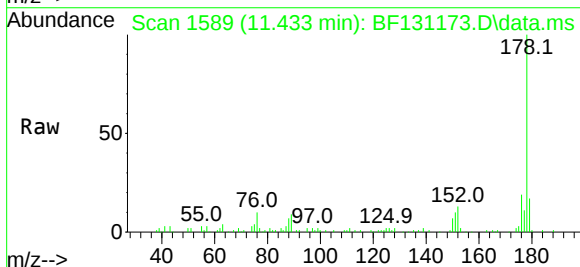
Tgt Ion:188 Resp: 147879
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.8 7.9 11.9

Manual Integrations
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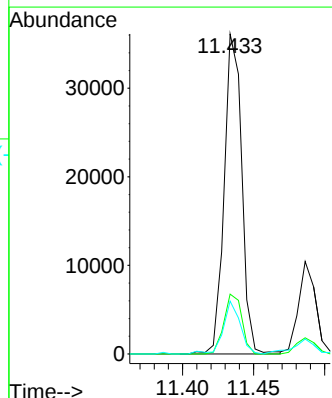
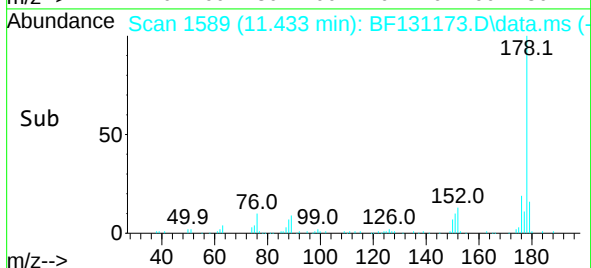
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

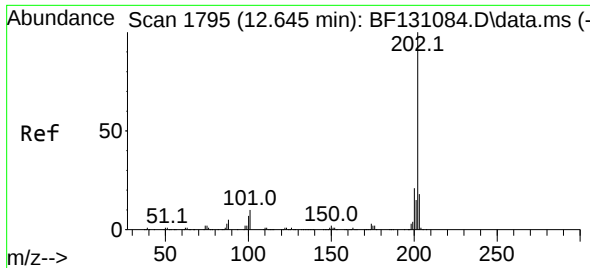


#71
Phenanthrene
Concen: 3.818 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00



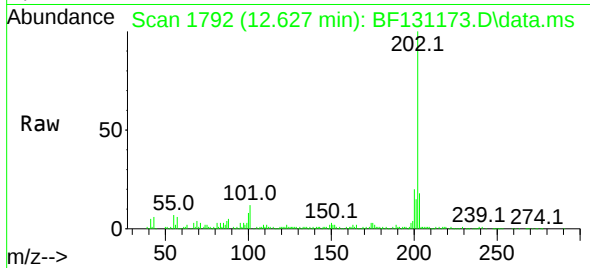
Tgt Ion:178 Resp: 31053
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 16.5 12.2 18.2





#75
Fluoranthene
Concen: 5.799 ng
RT: 12.627 min Scan# 1795
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

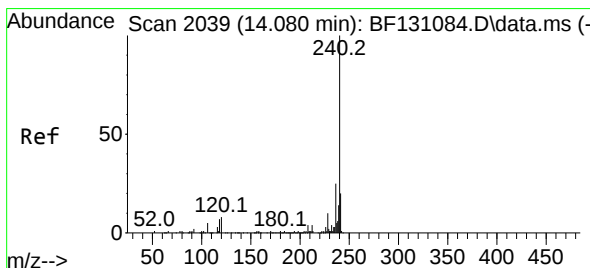
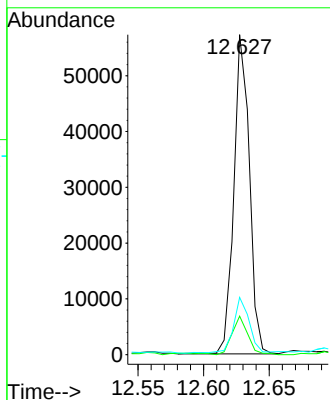
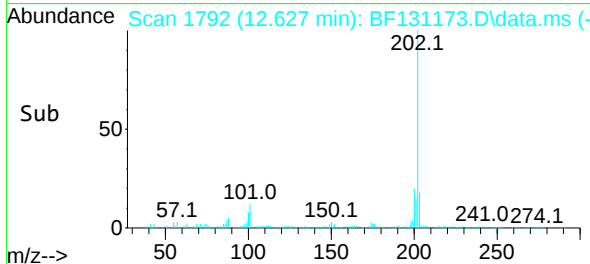
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RM-10



Tgt Ion:202 Resp: 47215
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.0
203 17.9 0.0 37.7

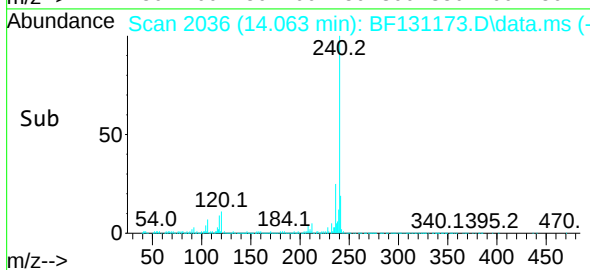
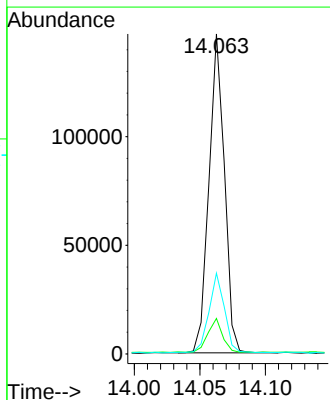
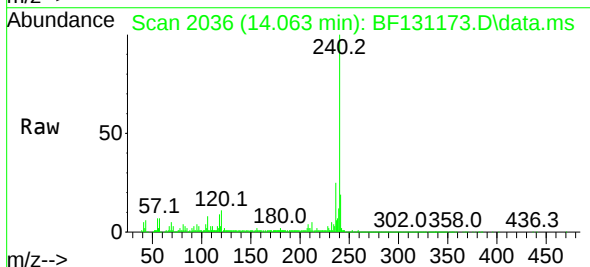
Manual Integrations
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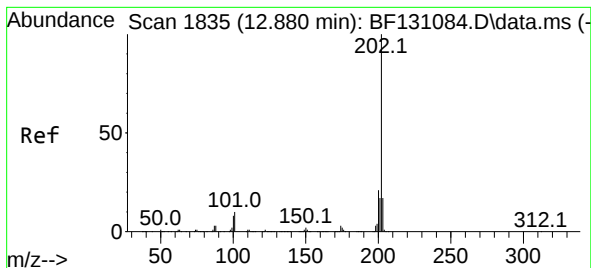
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:240 Resp: 120729
Ion Ratio Lower Upper
240 100
120 11.1 6.5 9.7#
236 25.3 19.7 29.5





#78

Pyrene

Concen: 4.267 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.006 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

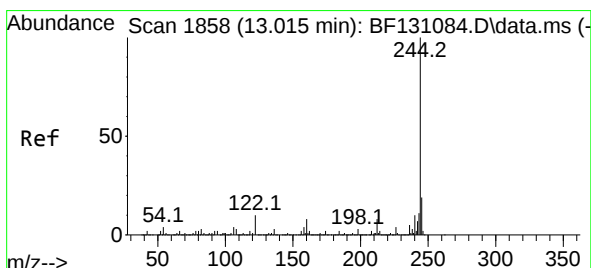
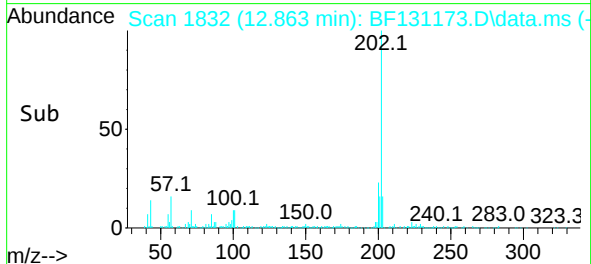
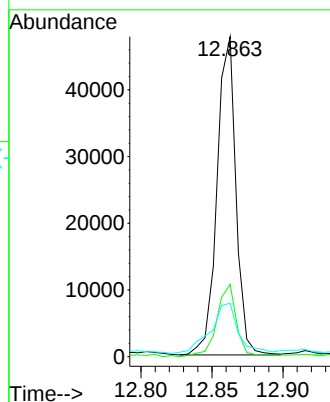
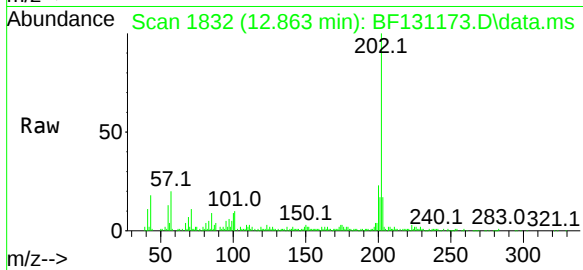
Tgt Ion:202	Resp: 44198
Ion Ratio	Lower Upper
202 100	
200 22.6	16.8 25.2
203 16.7	13.6 20.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 26.939 ng

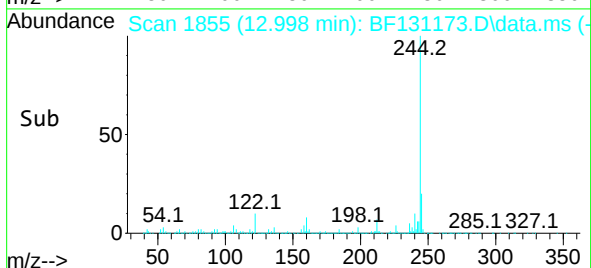
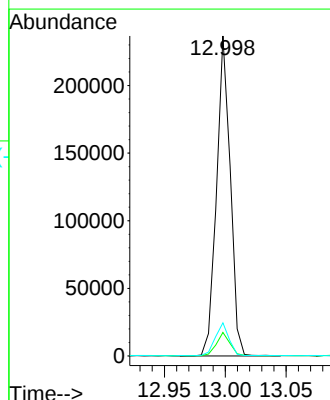
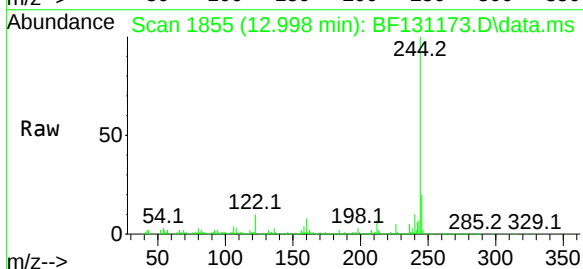
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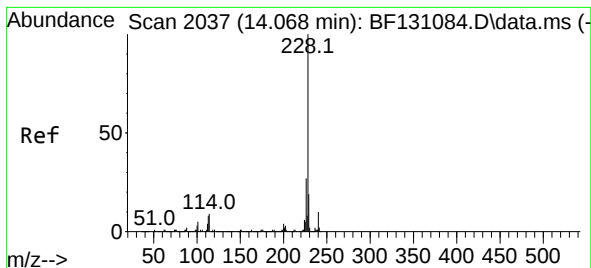
Delta R.T. -0.000 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Tgt Ion:244	Resp: 185495
Ion Ratio	Lower Upper
244 100	
212 7.3	6.2 9.2
122 10.3	7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.139 ng

RT: 14.051 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

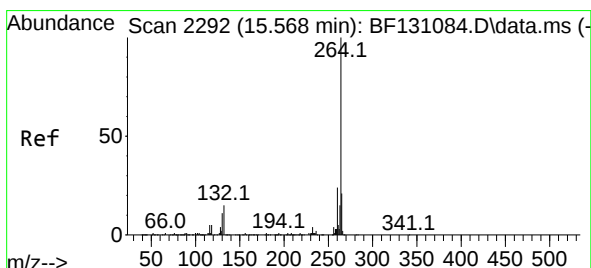
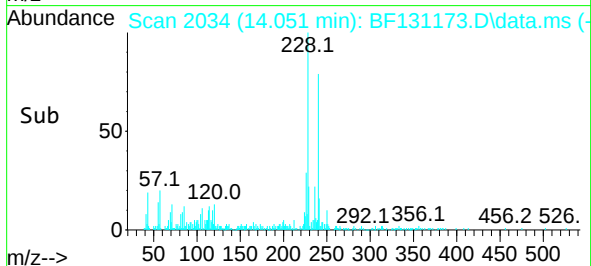
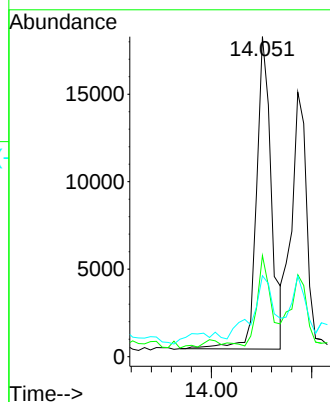
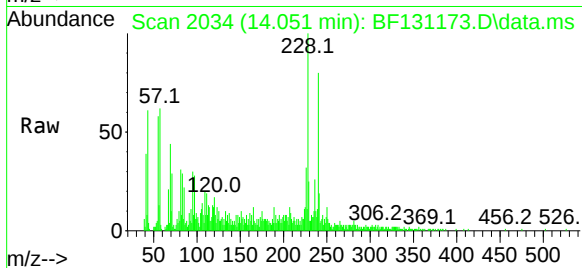
Tgt Ion:	228	Resp:	1845
Ion Ratio	Lower	Upper	
228	100		
226	31.6	21.8	32.6
229	25.3	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#86

Perylene-d12

Concen: 20.000 ng

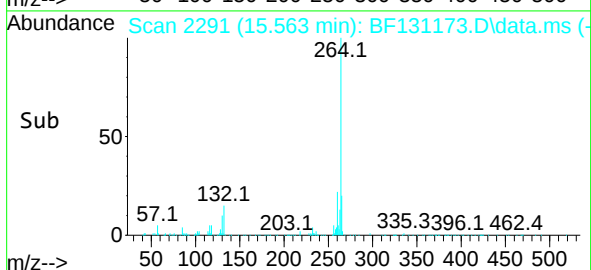
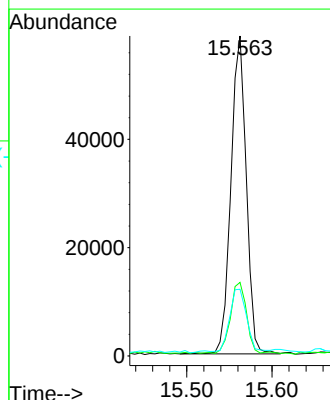
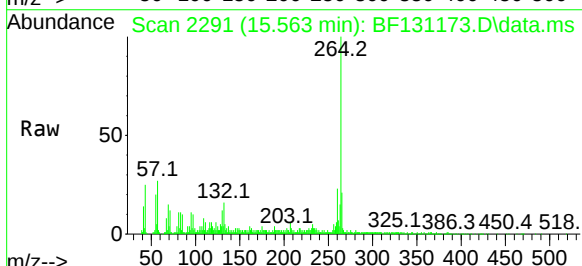
RT: 15.563 min Scan# 2291

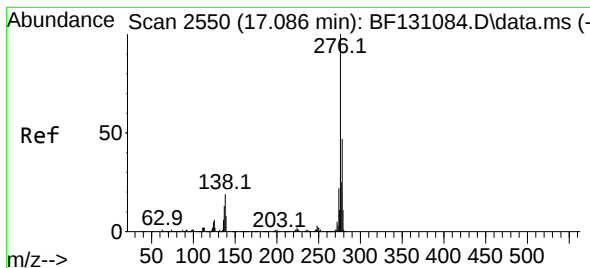
Delta R.T. 0.018 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Tgt Ion:	264	Resp:	73813
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.1	28.7
265	20.8	16.7	25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.954 ng

RT: 17.074 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

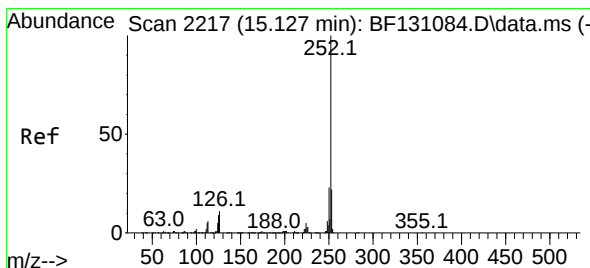
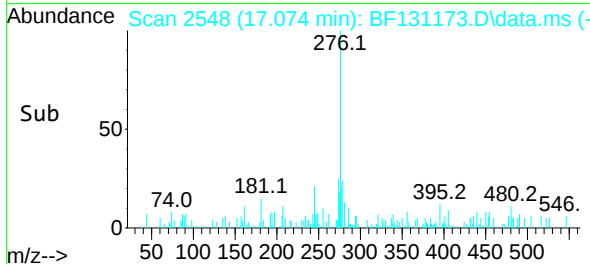
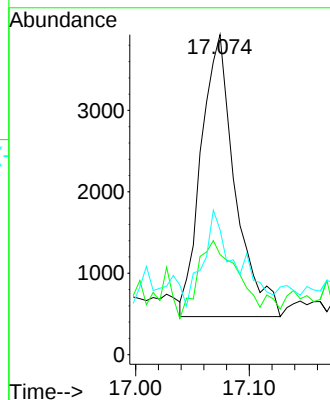
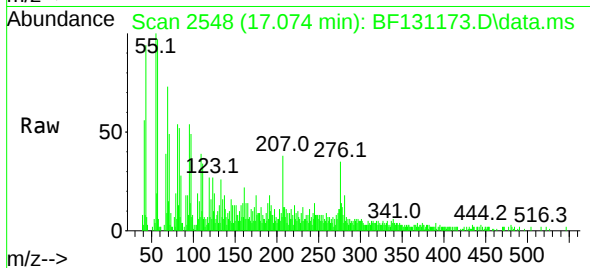
Tgt Ion:	276	Resp:	7154
Ion Ratio	Lower	Upper	
276	100		
138	32.4	16.9	25.3
277	32.6	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#88

Benzo(b)fluoranthene

Concen: 2.756 ng m

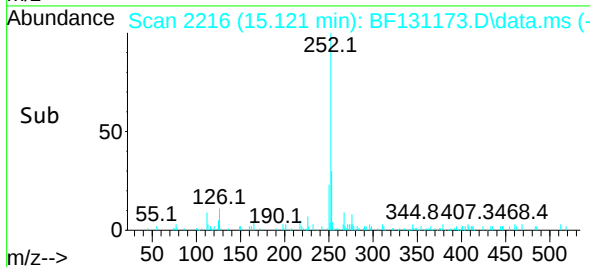
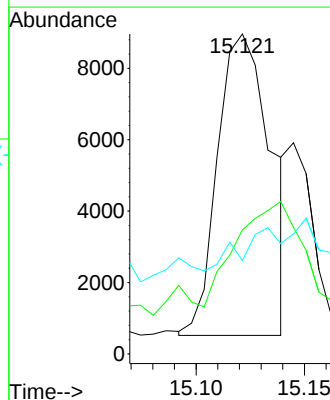
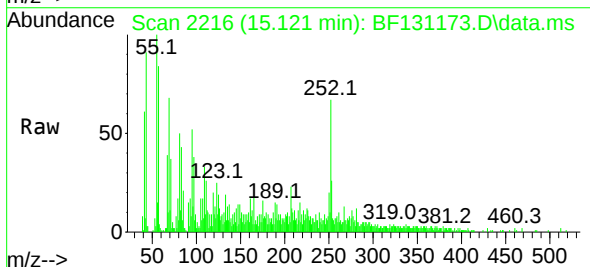
RT: 15.121 min Scan# 2216

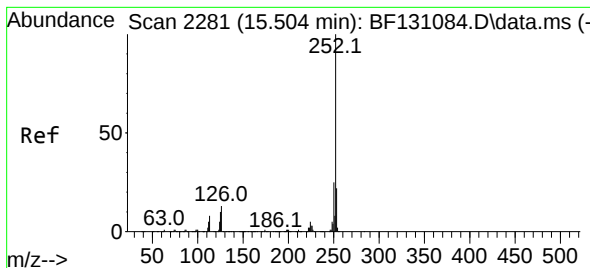
Delta R.T. 0.018 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Tgt Ion:	252	Resp:	14384
Ion Ratio	Lower	Upper	
252	100		
253	38.8	17.3	25.9
125	29.2	7.2	10.8





#90

Benzo(a)pyrene

Concen: 2.066 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

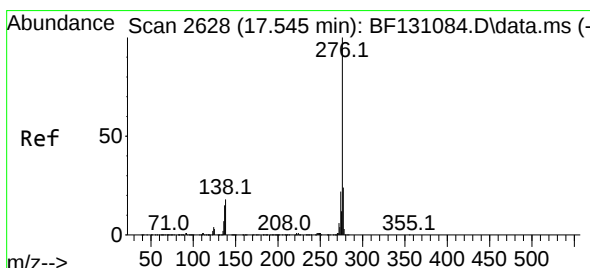
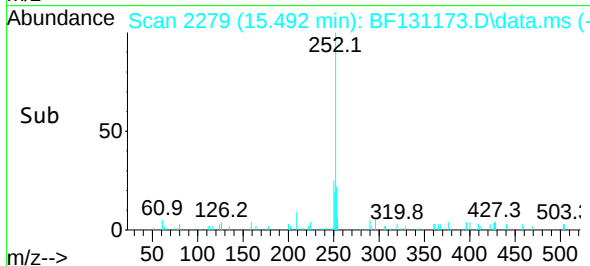
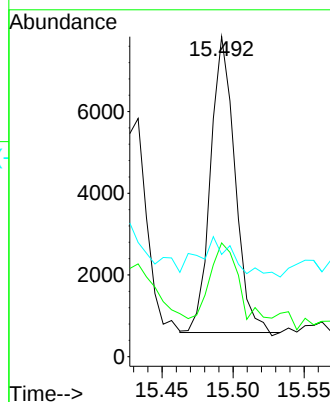
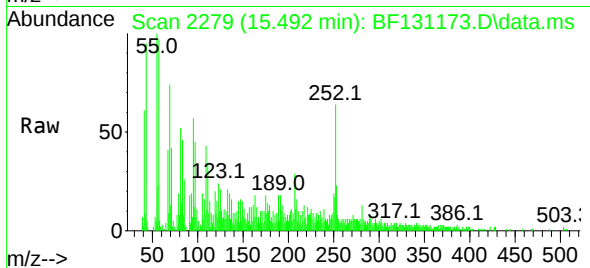
Tgt Ion:252 Resp: 864
 Ion Ratio Lower Upper
 252 100
 253 35.6 17.8 26.8#
 125 32.0 8.1 12.1#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#92

Benzo(g,h,i)perylene

Concen: 5.657 ng

RT: 17.533 min Scan# 2626

Delta R.T. 0.018 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Tgt Ion:276 Resp: 7375
 Ion Ratio Lower Upper
 276 100
 277 40.1 19.0 28.4#
 138 39.0 14.6 21.8#

