

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131174.D
 Acq On : 12 Nov 2022 02:34
 Operator : CG\JU
 Sample : N5501-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-3-110722

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 02:55:36 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	73202	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	246004	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	118475	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	213781	20.000	ng	0.00
76) Chrysene-d12	14.074	240	120536	20.000	ng	# 0.02
86) Perylene-d12	15.574	264	79834	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	151425	35.179	ng	0.00
7) Phenol-d6	6.504	99	198057	35.194	ng	0.00
23) Nitrobenzene-d5	7.439	82	127832	23.445	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	44209	36.106	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	228890	26.970	ng	0.00
79) Terphenyl-d14	13.033	244	178912	26.025	ng	0.04
Target Compounds						
						Qvalue
71) Phenanthrene	11.439	178	25630	2.180	ng	# 92
78) Pyrene	12.886	202	44752m	4.327	ng	
81) Benzo(a)anthracene	14.062	228	30632	3.555	ng	# 79
83) Chrysene	14.104	228	37080	4.557	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.086	276	14473	5.902	ng	97
88) Benzo(b)fluoranthene	15.127	252	27881m	4.940	ng	
90) Benzo(a)pyrene	15.504	252	16203	3.581	ng	# 71
92) Benzo(g,h,i)perylene	17.556	276	15010	6.796	ng	# 66

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

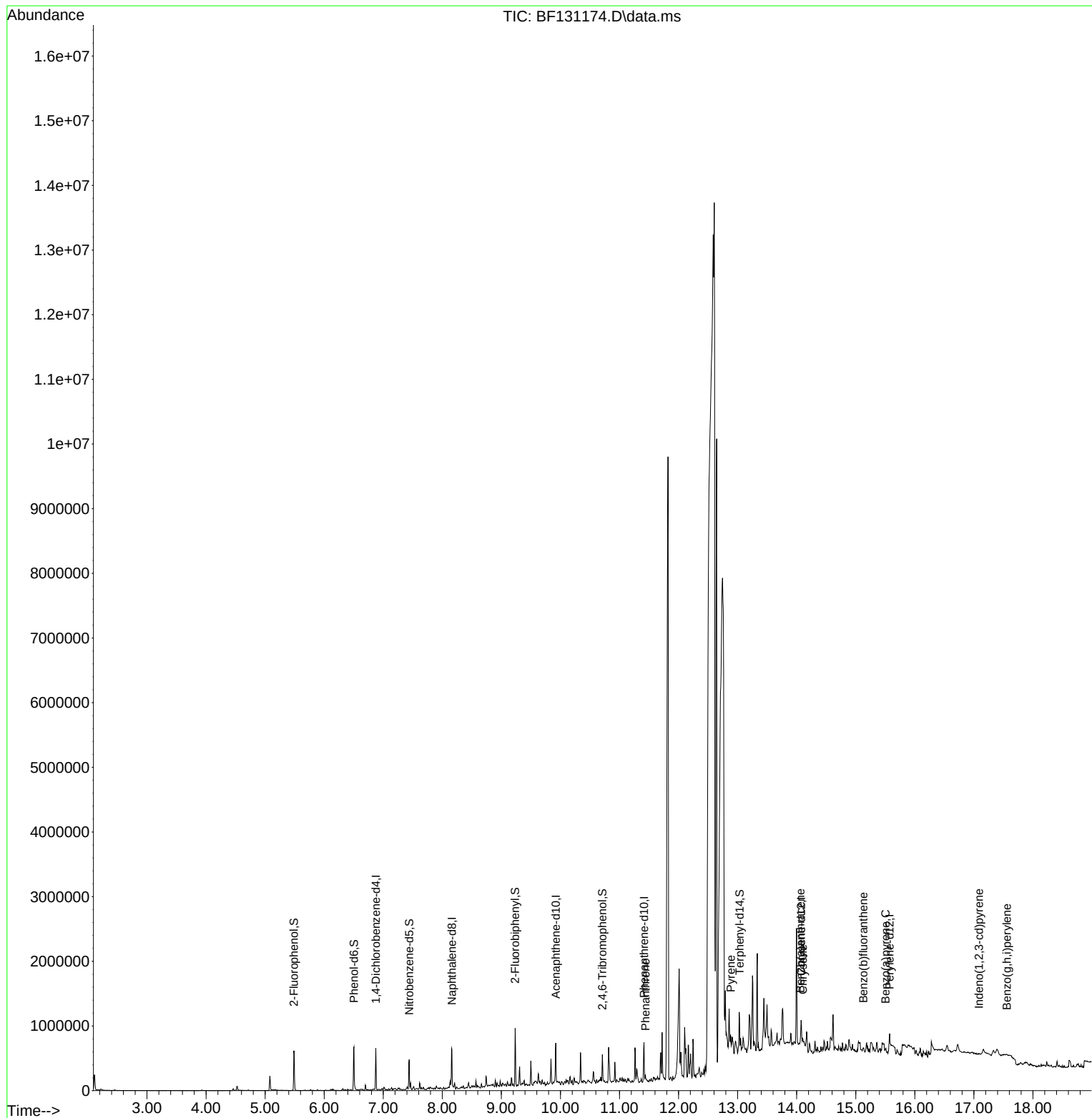
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131174.D
Acq On : 12 Nov 2022 02:34
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Sample : N5501-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

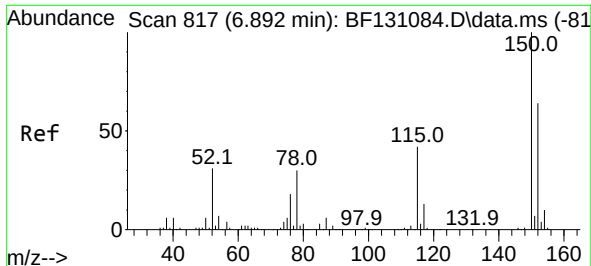
Instrument :
BNA_F
ClientSampleId :
HS-3-110722

Quant Time: Nov 12 02:55:36 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
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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: BF131174.D
Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

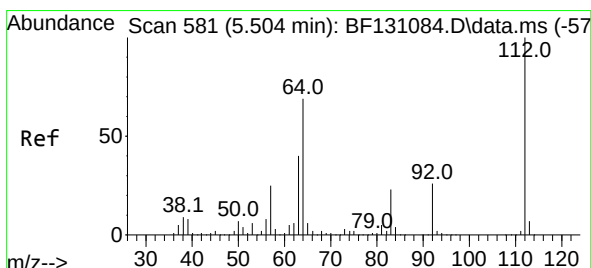
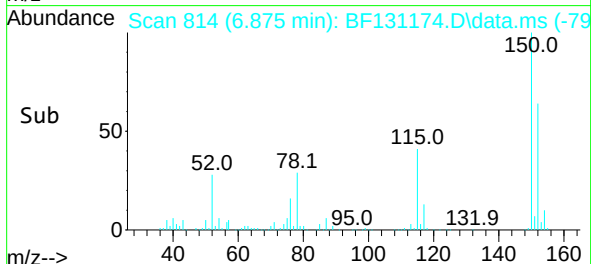
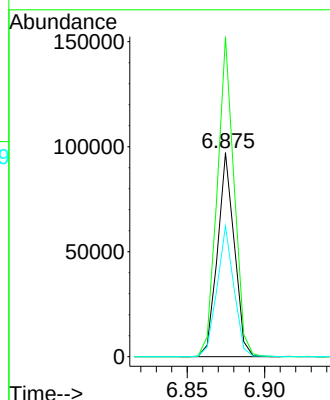
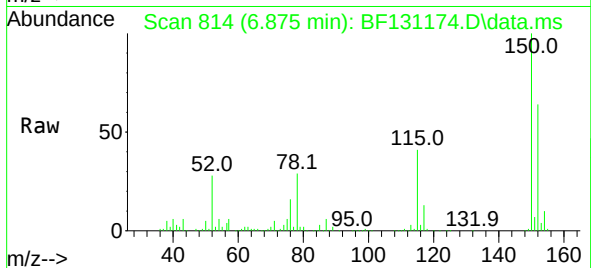
HS-3-110722

Tgt Ion:152 Resp: 7320
Ion Ratio Lower Upper
152 100
150 156.8 125.5 188.3
115 64.1 52.2 78.2

Manual Integrations

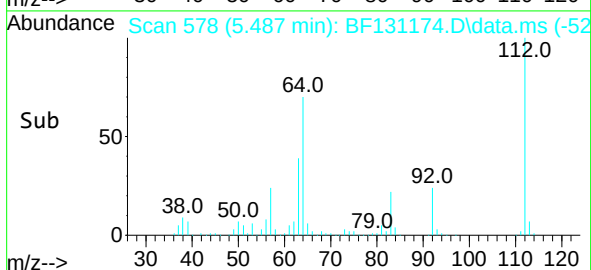
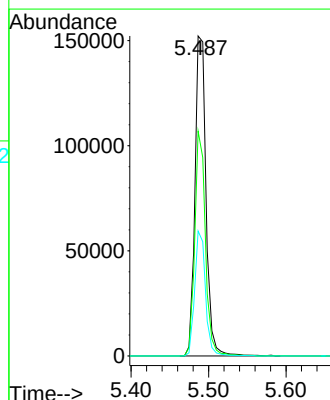
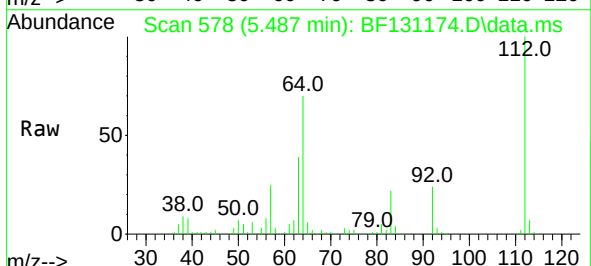
APPROVED

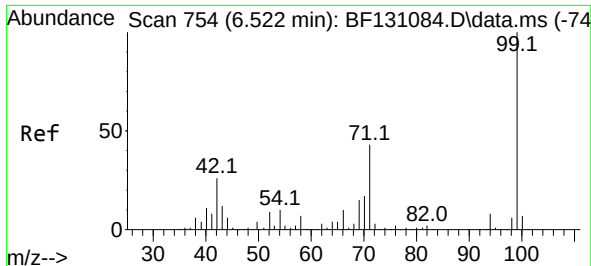
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#5
2-Fluorophenol
Concen: 35.179 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

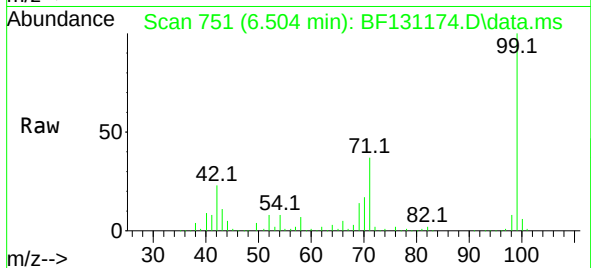
Tgt Ion:112 Resp: 151425
Ion Ratio Lower Upper
112 100
64 70.2 55.1 82.7
63 39.0 32.4 48.6





#7
Phenol-d6
Concen: 35.194 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

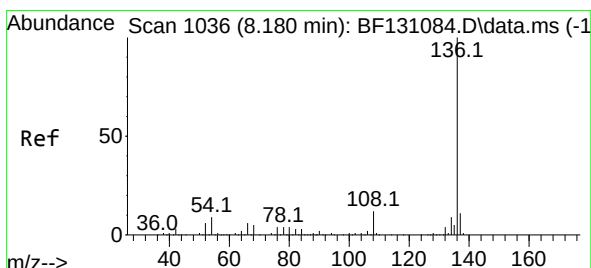
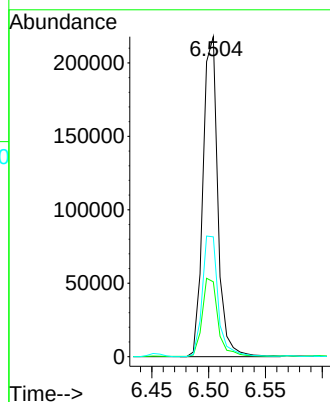
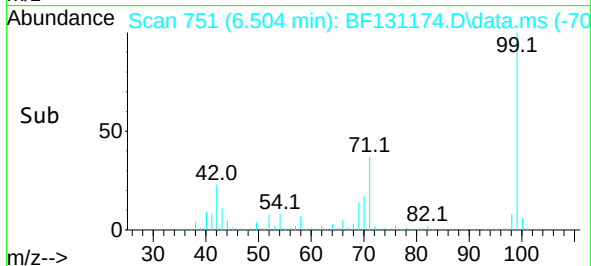
Instrument :
BNA_F
ClientSampleId :
HS-3-110722



Tgt Ion: 99 Resp: 19805
Ion Ratio Lower Upper
99 100
42 23.4 20.8 31.2
71 37.4 34.2 51.4

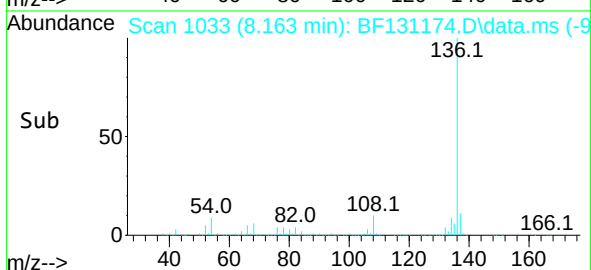
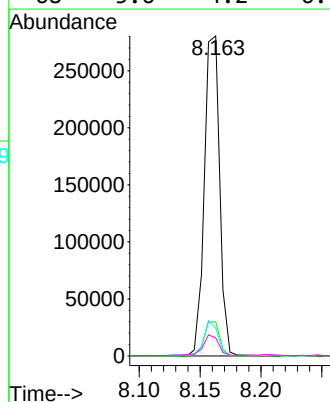
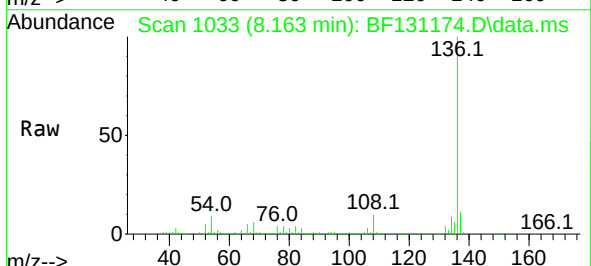
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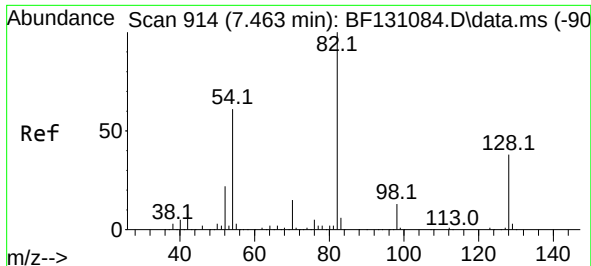
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

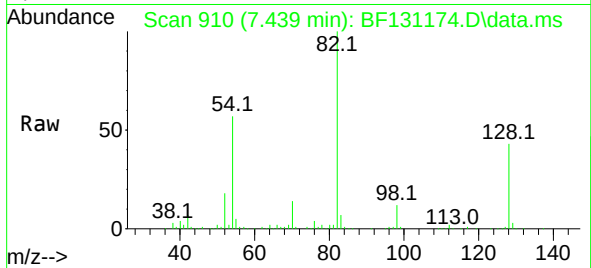
Tgt Ion:136 Resp: 246004
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.7 7.2 10.8
68 5.6 4.2 6.4





#23
Nitrobenzene-d5
Concen: 23.445 ng
RT: 7.439 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

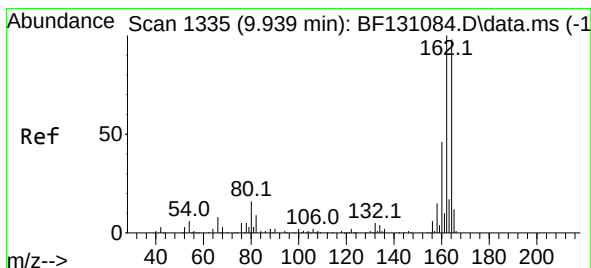
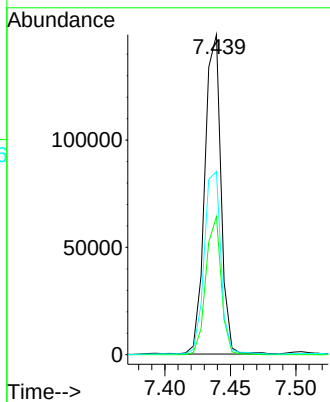
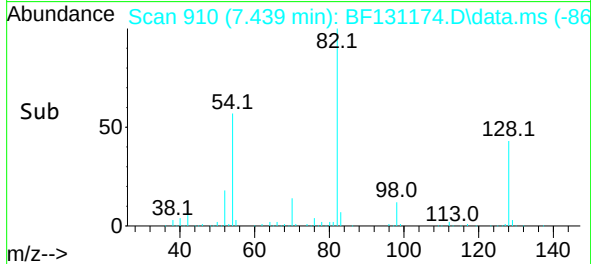
Instrument :
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ClientSampleId :
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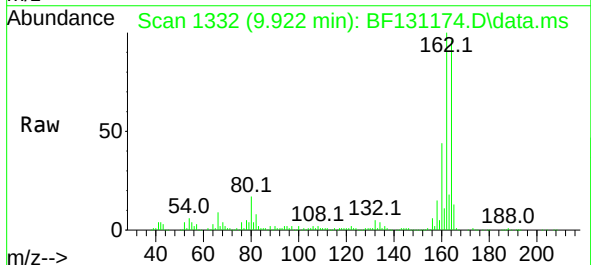
Tgt Ion: 82 Resp: 12783
Ion Ratio Lower Upper
82 100
128 43.1 30.5 45.7
54 57.3 49.1 73.7

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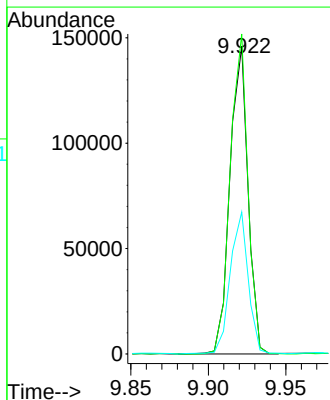
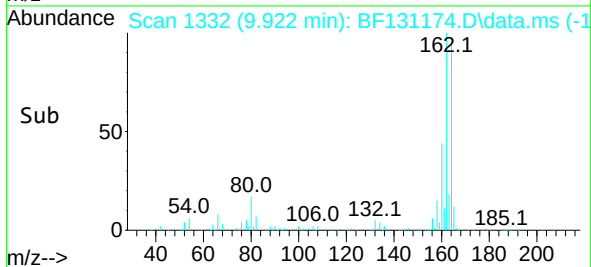
Reviewed By :Christian Giraldo 11/12/2022
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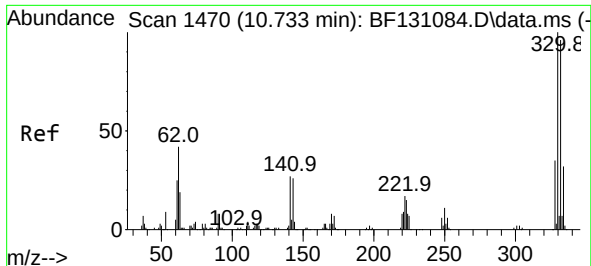


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34



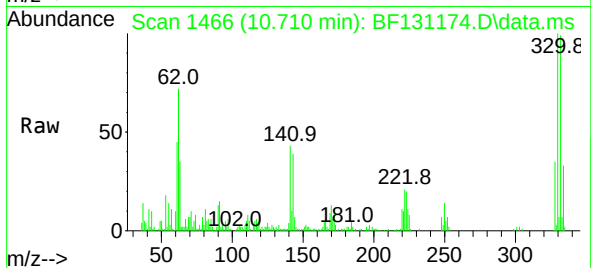
Tgt Ion:164 Resp: 118475
Ion Ratio Lower Upper
164 100
162 104.0 81.7 122.5
160 46.1 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 36.106 ng
RT: 10.710 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

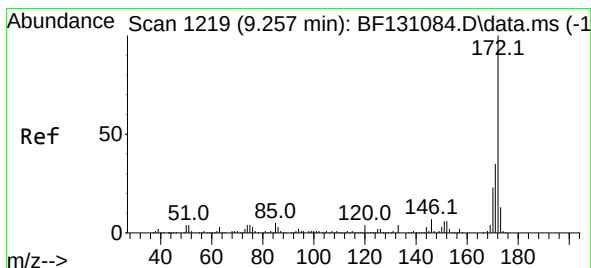
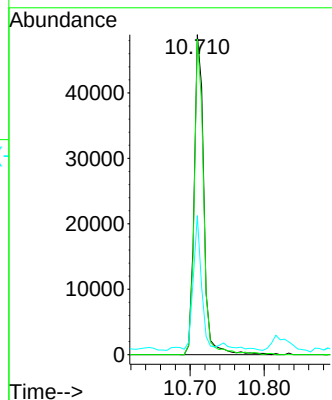
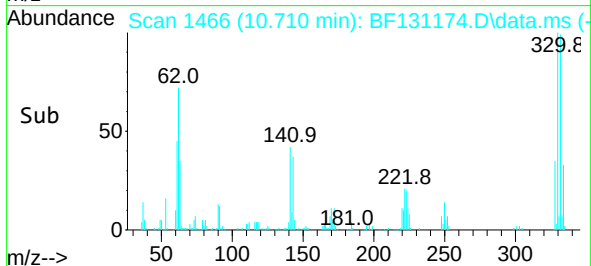
Instrument :
BNA_F
ClientSampleId :
HS-3-110722



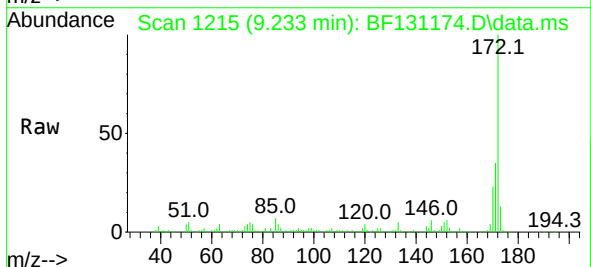
Tgt Ion: 330 Resp: 44209
Ion Ratio Lower Upper
330 100
332 94.6 77.0 115.4
141 37.6 28.5 42.7

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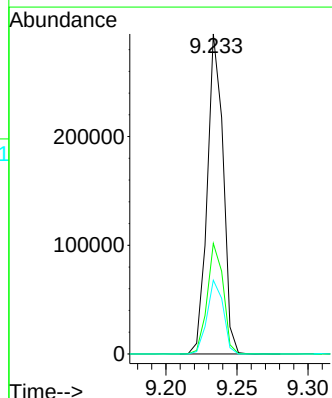
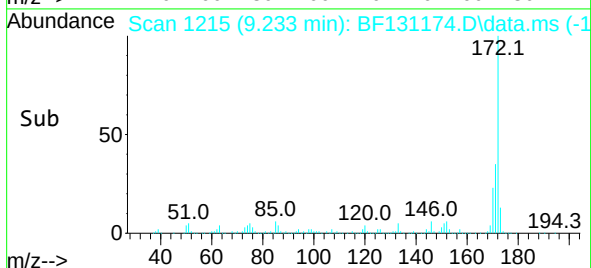
Reviewed By : Christian Giraldo 11/12/2022
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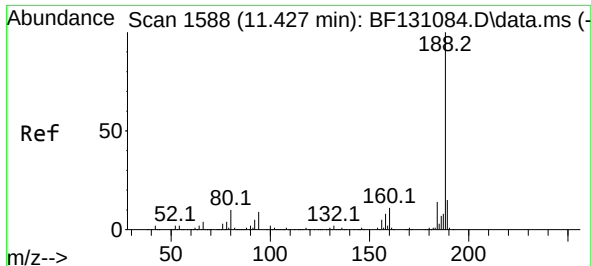


#45
2-Fluorobiphenyl
Concen: 26.970 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34



Tgt Ion: 172 Resp: 228890
Ion Ratio Lower Upper
172 100
171 34.5 27.7 41.5
170 23.1 18.8 28.2





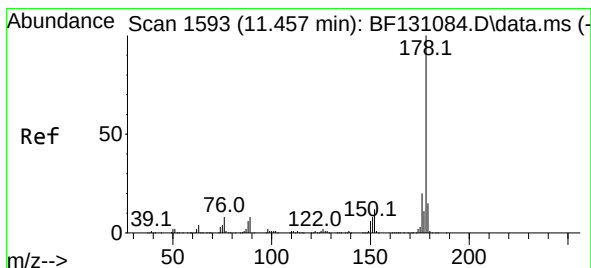
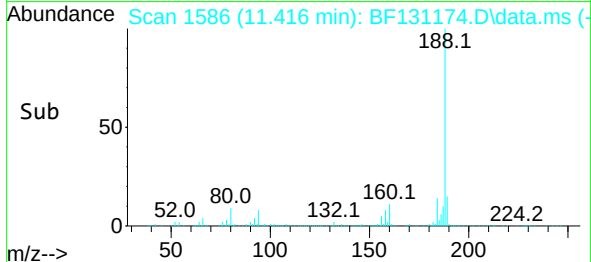
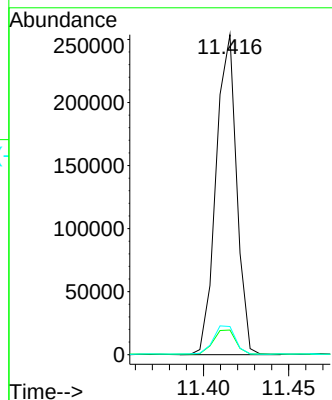
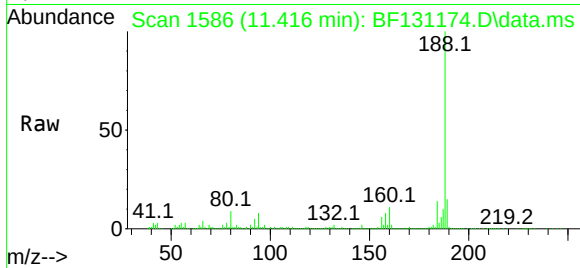
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

Instrument :
BNA_F
ClientSampleId :
HS-3-110722

Tgt Ion:188 Resp: 21378
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.6
80 8.8 7.9 11.9

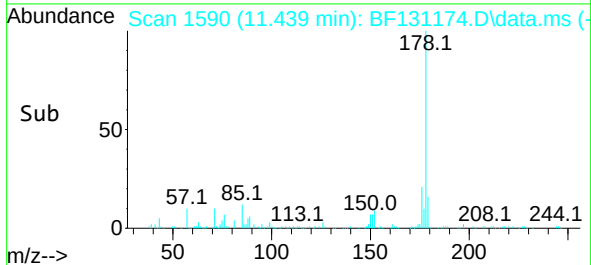
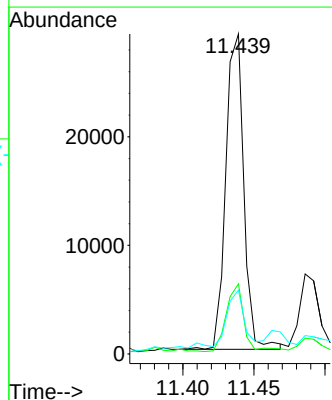
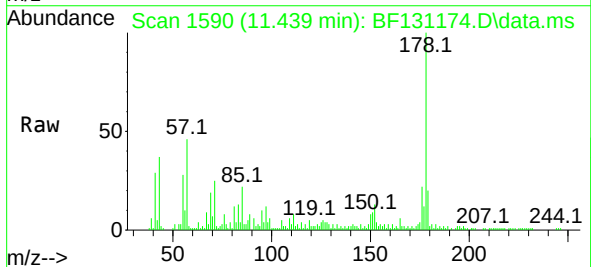
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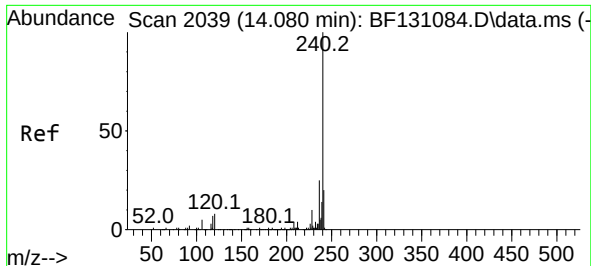
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#71
Phenanthrene
Concen: 2.180 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

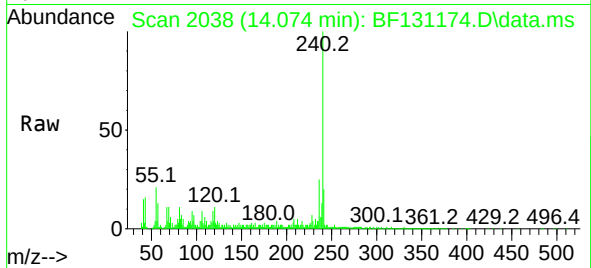
Tgt Ion:178 Resp: 25630
Ion Ratio Lower Upper
178 100
176 21.9 15.8 23.8
179 19.9 12.2 18.2#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2039
Delta R.T. 0.017 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

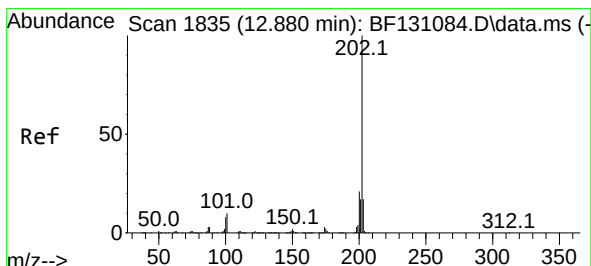
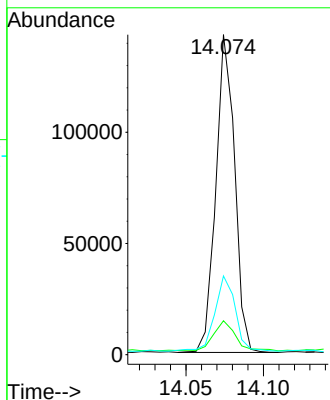
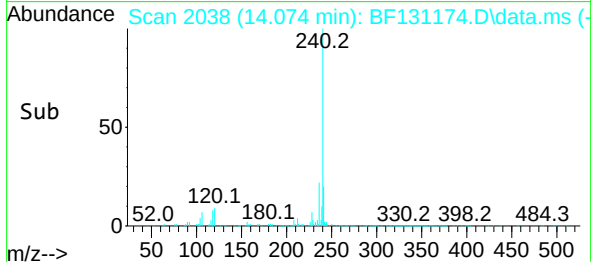
Instrument :
BNA_F
ClientSampleId :
HS-3-110722



Tgt Ion:240 Resp: 120530
Ion Ratio Lower Upper
240 100
120 10.6 6.5 9.7
236 24.6 19.7 29.5

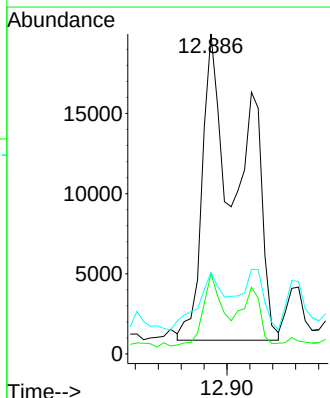
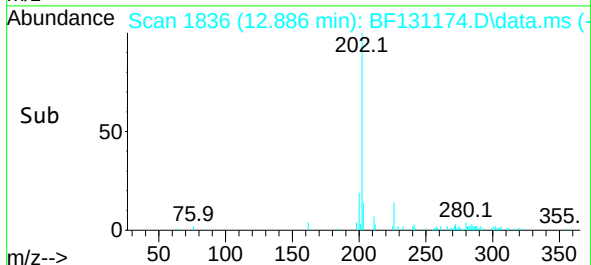
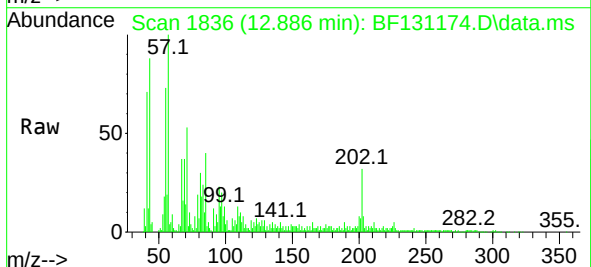
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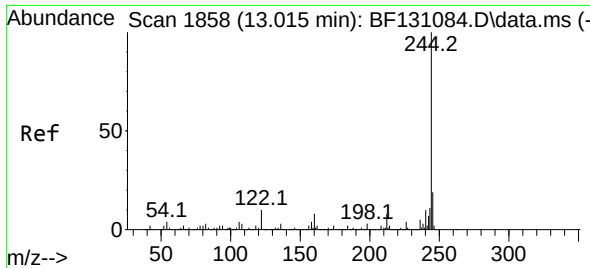
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#78
Pyrene
Concen: 4.327 ng m
RT: 12.886 min Scan# 1836
Delta R.T. 0.029 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

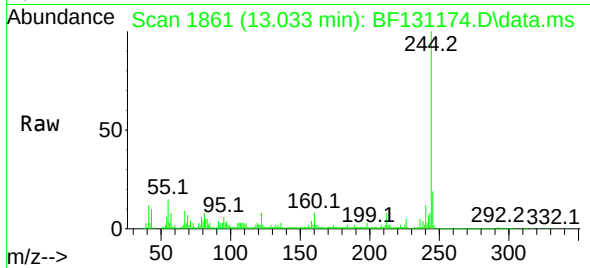
Tgt Ion:202 Resp: 44752
Ion Ratio Lower Upper
202 100
200 25.2 16.8 25.2#
203 25.4 13.6 20.4#





#79
Terphenyl-d14
Concen: 26.025 ng
RT: 13.033 min Scan# 1861
Delta R.T. 0.035 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34

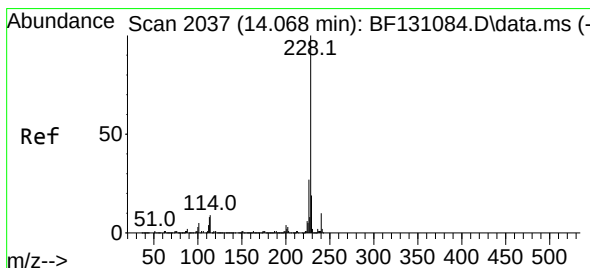
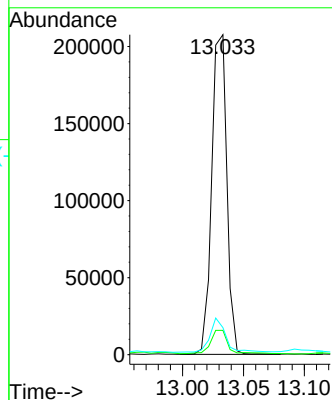
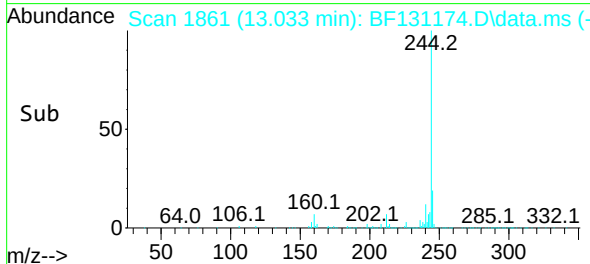
Instrument :
BNA_F
ClientSampleId :
HS-3-110722



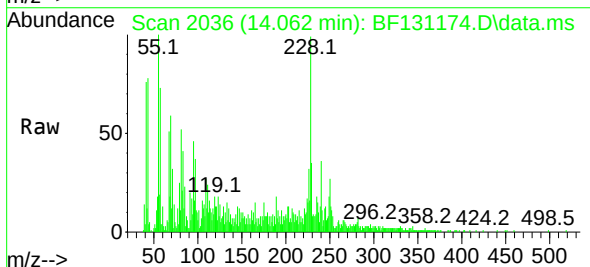
Tgt Ion:244 Resp: 178912
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 8.5 7.8 11.8

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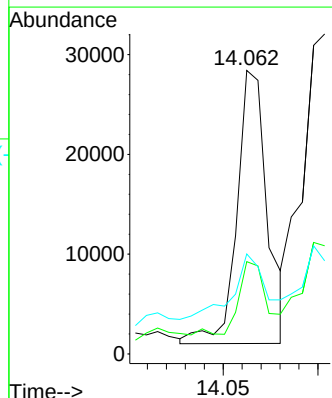
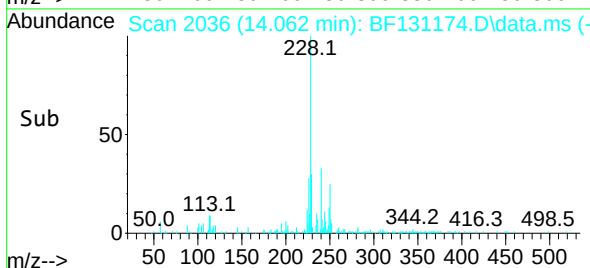
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

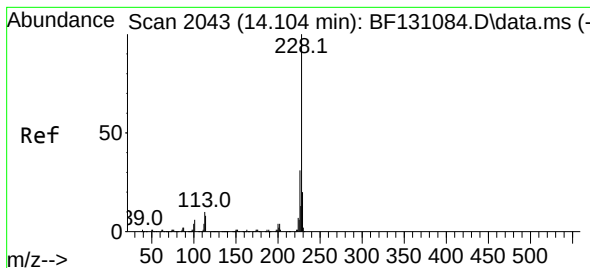


#81
Benzo(a)anthracene
Concen: 3.555 ng
RT: 14.062 min Scan# 2036
Delta R.T. 0.017 min
Lab File: BF131174.D
Acq: 12 Nov 2022 02:34



Tgt Ion:228 Resp: 30632
Ion Ratio Lower Upper
228 100
226 32.6 21.8 32.6
229 35.3 15.4 23.2#





#83

Chrysene

Concen: 4.557 ng

RT: 14.104 min Scan# 2043

Delta R.T. 0.017 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

HS-3-110722

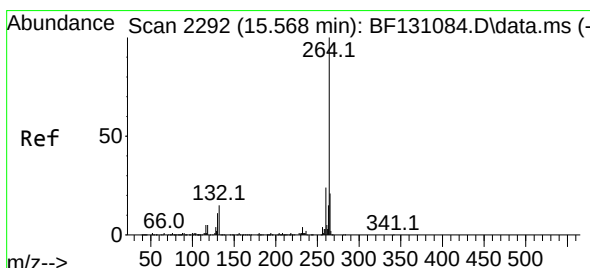
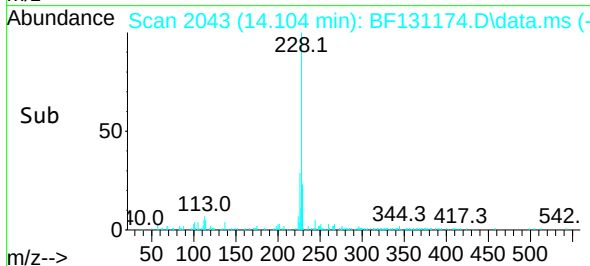
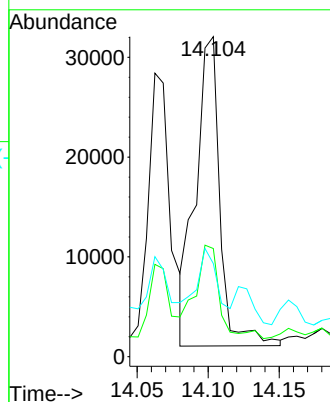
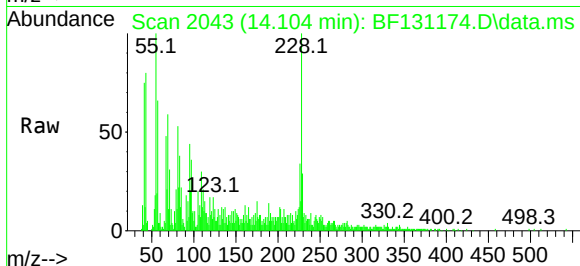
Tgt Ion:	228	Resp:	37080
Ion Ratio	Lower	Upper	
228	100		
226	33.8	24.4	36.6
229	29.1	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#86

Perylene-d12

Concen: 20.000 ng

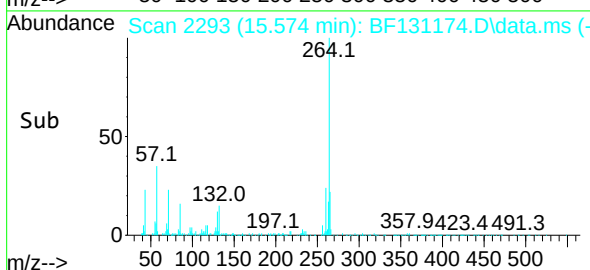
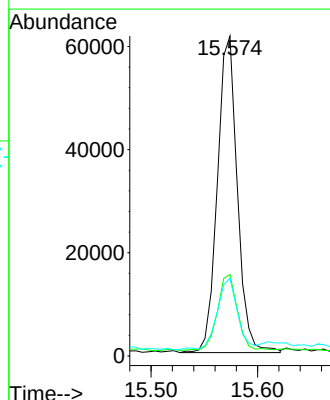
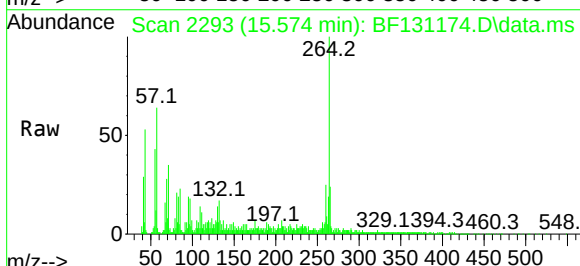
RT: 15.574 min Scan# 2293

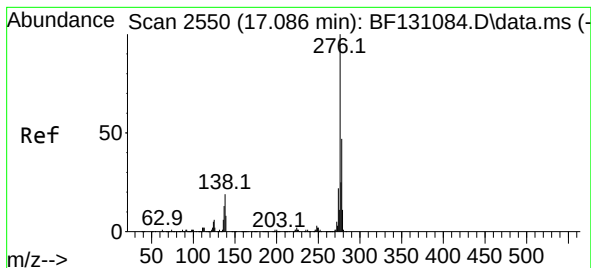
Delta R.T. 0.029 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Tgt Ion:	264	Resp:	79834
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.1	28.7
265	24.3	16.7	25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.902 ng

RT: 17.086 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

HS-3-110722

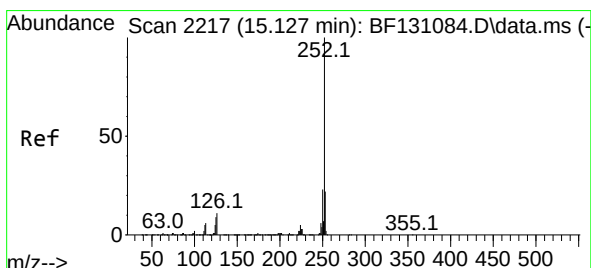
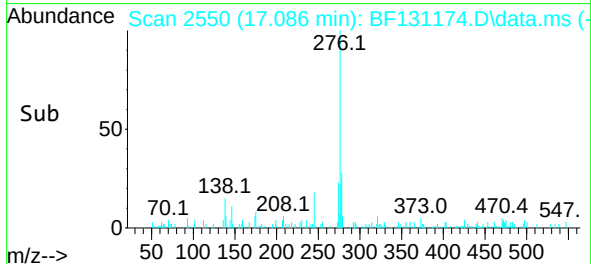
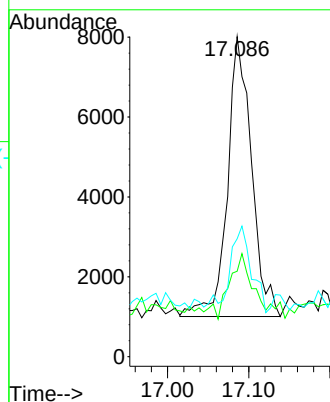
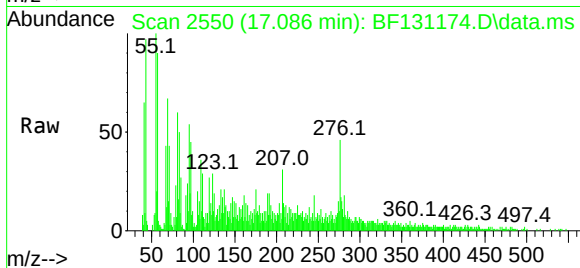
Tgt Ion:	276	Resp:	1447
Ion Ratio	Lower	Upper	
276	100		
138	21.4	16.9	25.3
277	28.1	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#88

Benzo(b)fluoranthene

Concen: 4.940 ng m

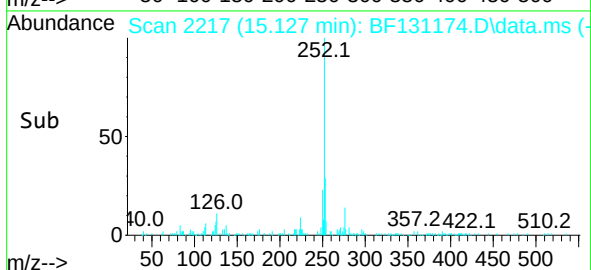
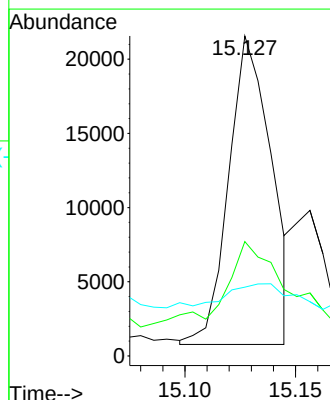
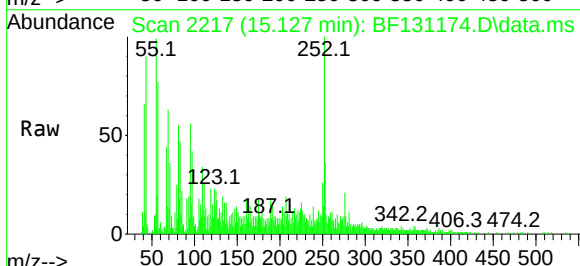
RT: 15.127 min Scan# 2217

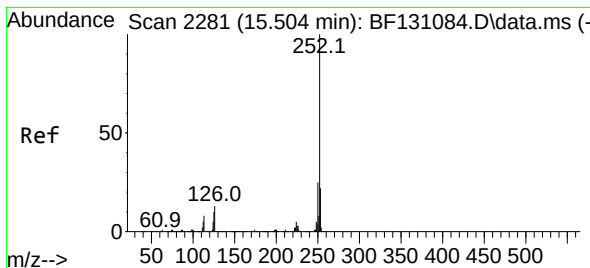
Delta R.T. 0.023 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Tgt Ion:	252	Resp:	27881
Ion Ratio	Lower	Upper	
252	100		
253	35.8	17.3	25.9#
125	21.5	7.2	10.8#





#90

Benzo(a)pyrene

Concen: 3.581 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.023 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Instrument :

BNA_F

ClientSampleId :

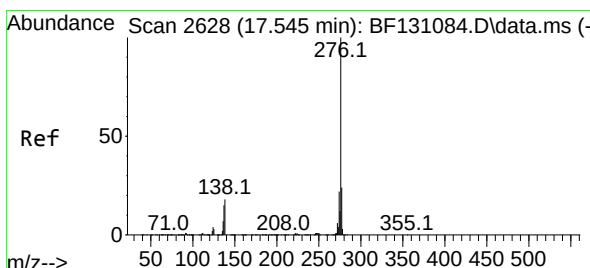
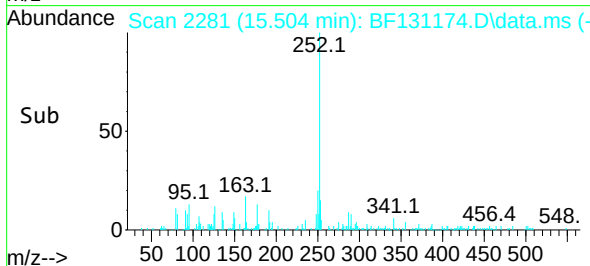
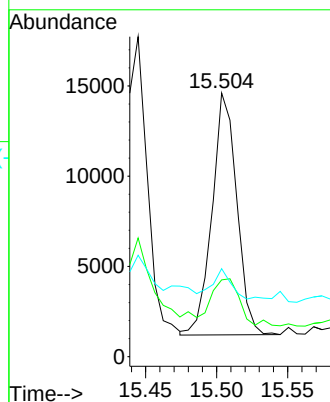
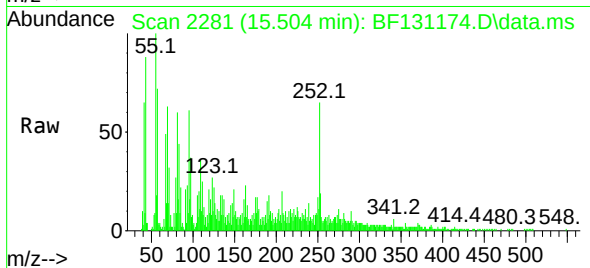
HS-3-110722

Tgt Ion:	252	Resp:	1620
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.8	26.8
125	33.4	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: 6.796 ng

RT: 17.556 min Scan# 2630

Delta R.T. 0.041 min

Lab File: BF131174.D

Acq: 12 Nov 2022 02:34

Tgt Ion:	276	Resp:	15010
Ion Ratio	Lower	Upper	
276	100		
277	40.2	19.0	28.4
138	34.0	14.6	21.8

