

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131164.D
 Acq On : 11 Nov 2022 20:57
 Operator : CG\JU
 Sample : N5556-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-1

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 00:06:57 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	78505	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	265894	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	118050	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	176058	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	170575	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	98038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	138291	29.957	ng	0.00
7) Phenol-d6	6.498	99	262524	43.499	ng	0.00
23) Nitrobenzene-d5	7.434	82	213419	36.215	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	17833	14.617	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	289923	34.284	ng	0.00
79) Terphenyl-d14	12.992	244	250864	25.786	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	60131	6.210	ng	99
75) Fluoranthene	12.622	202	88106	9.090	ng	98
78) Pyrene	12.857	202	76773	5.246	ng	99
81) Benzo(a)anthracene	14.045	228	46429	3.808	ng	95
83) Chrysene	14.080	228	40141m	3.486	ng	
87) Indeno(1,2,3-cd)pyrene	17.051	276	12122m	5.254	ng	
88) Benzo(b)fluoranthene	15.110	252	31590m	4.558	ng	
90) Benzo(a)pyrene	15.480	252	21484	3.866	ng	# 83
92) Benzo(g,h,i)perylene	17.509	276	13203	6.107	ng	# 88

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

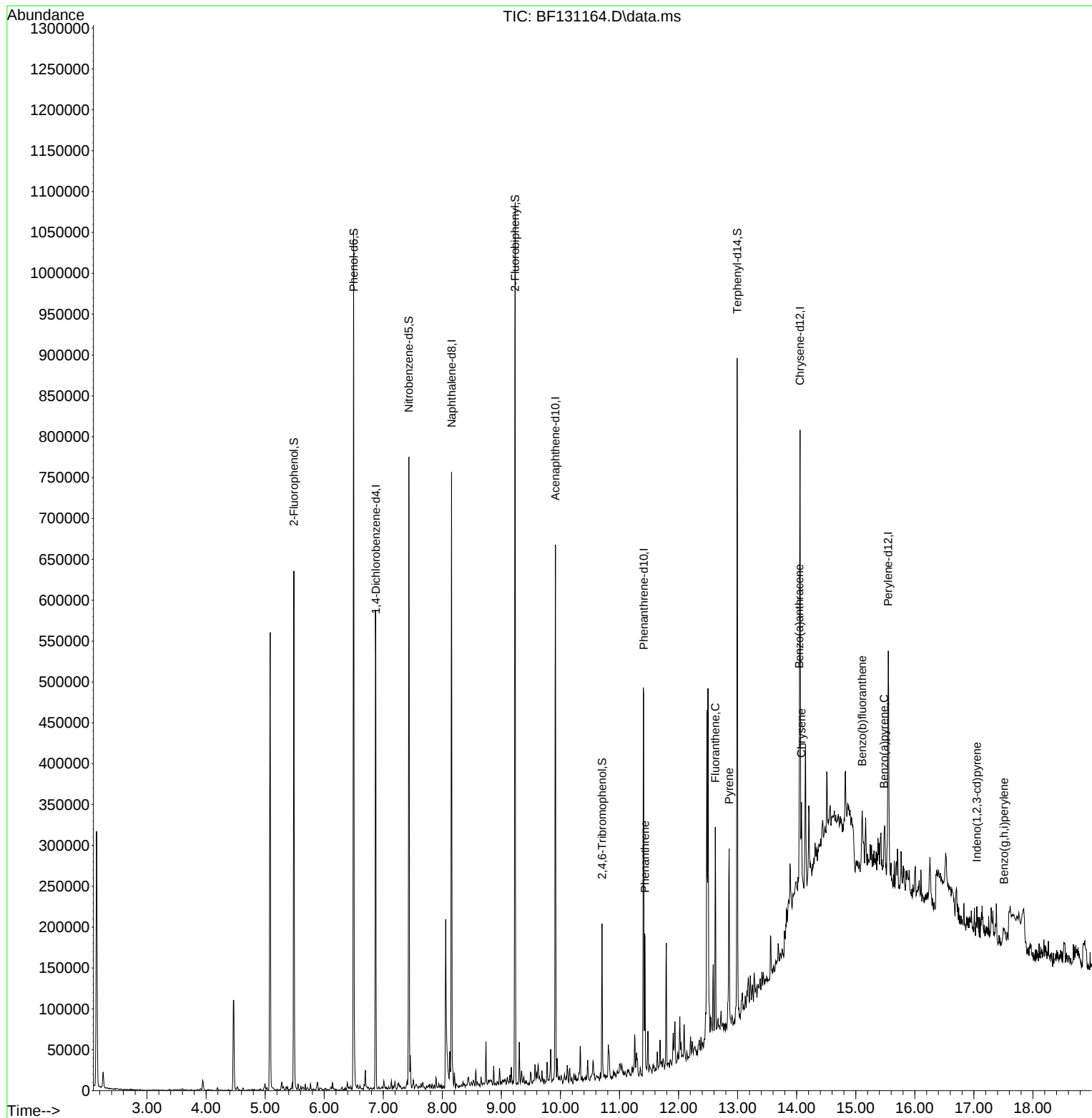
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131164.D
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ALS Vial : 9 Sample Multiplier: 1

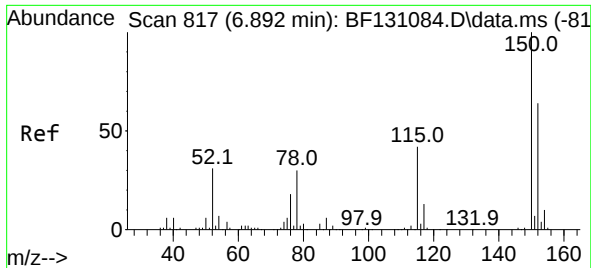
Instrument :
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Quant Time: Nov 12 00:06:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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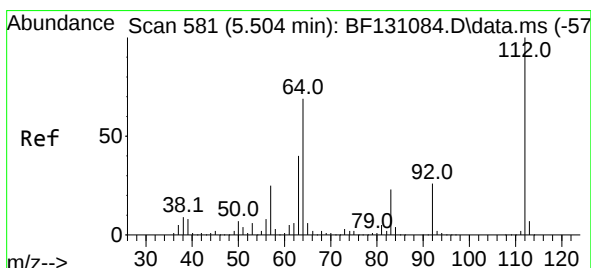
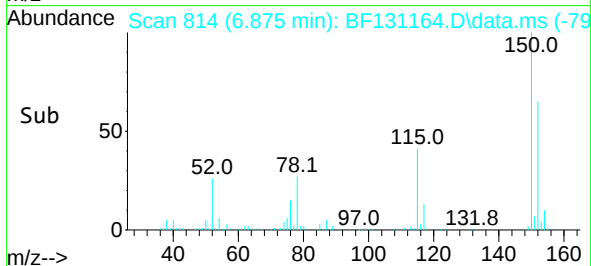
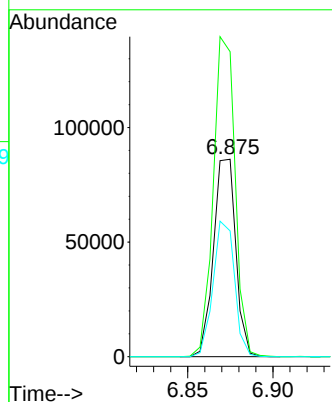
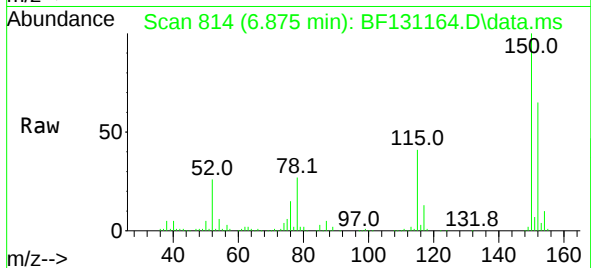
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Instrument :
BNA_F
ClientSampleId :
RM-1

Tgt Ion:152 Resp: 7850
Ion Ratio Lower Upper
152 100
150 154.5 125.5 188.3
115 63.7 52.2 78.2

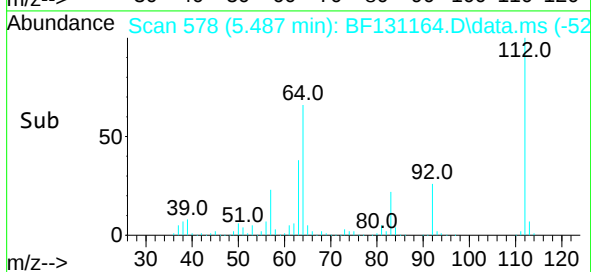
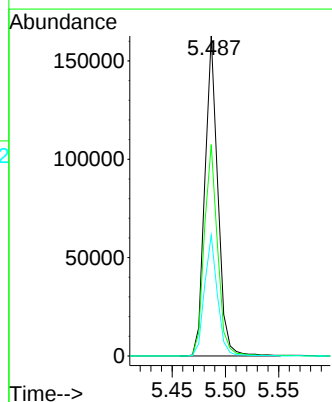
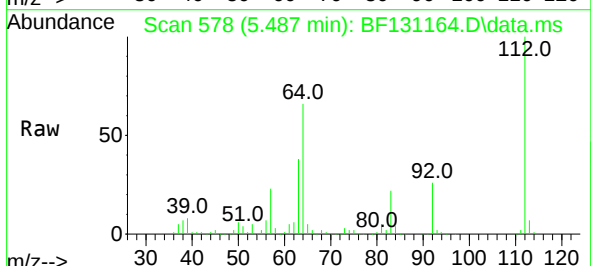
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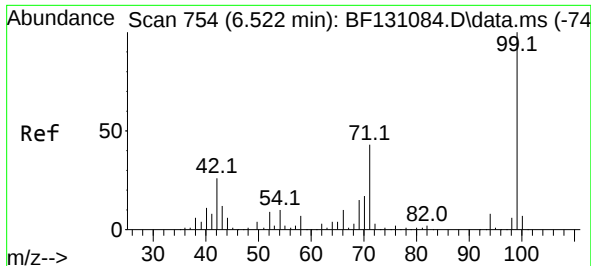
Reviewed By :Christian Giraldo 11/12/2022
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#5
2-Fluorophenol
Concen: 29.957 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

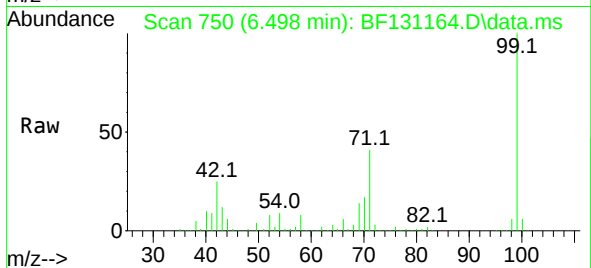
Tgt Ion:112 Resp: 138291
Ion Ratio Lower Upper
112 100
64 66.1 55.1 82.7
63 37.7 32.4 48.6





#7
Phenol-d6
Concen: 43.499 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

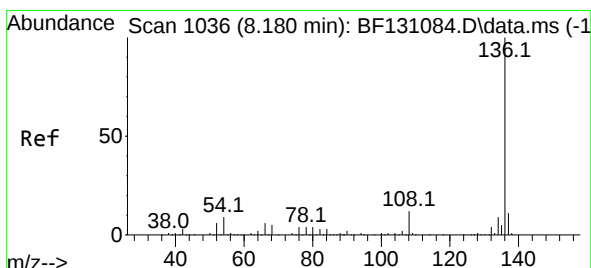
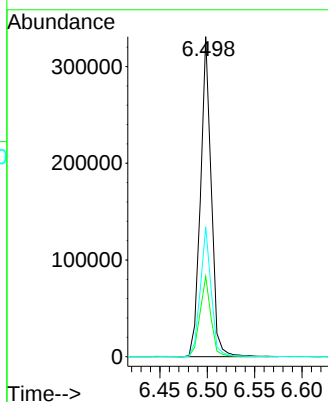
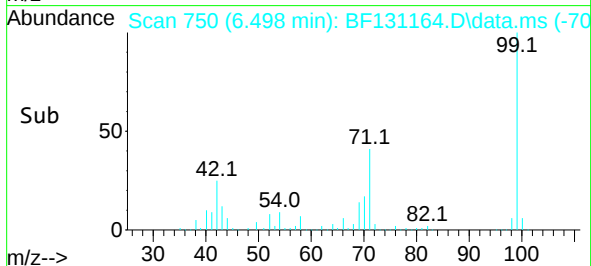
Instrument :
BNA_F
ClientSampleId :
RM-1



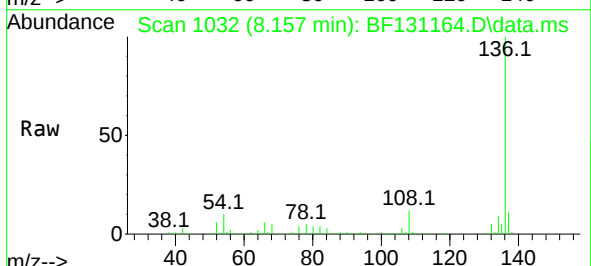
Tgt Ion: 99 Resp: 262524
Ion Ratio Lower Upper
99 100
42 25.1 20.8 31.2
71 40.6 34.2 51.4

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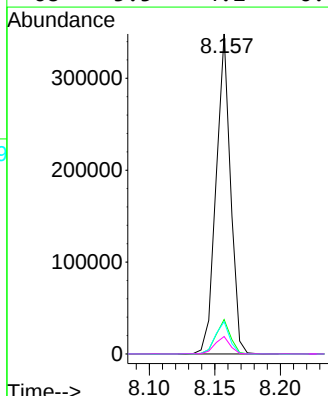
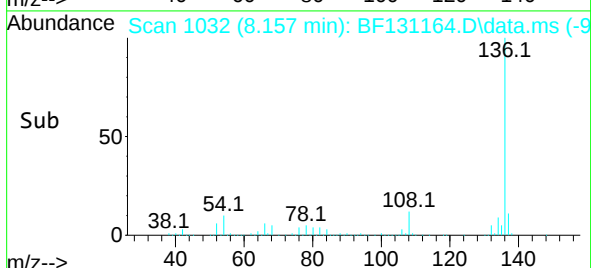
Reviewed By :Christian Giraldo 11/12/2022
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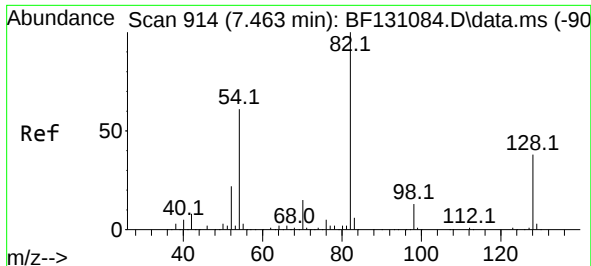


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57



Tgt Ion:136 Resp: 265894
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.0 7.2 10.8
68 5.5 4.2 6.4





#23

Nitrobenzene-d5

Concen: 36.215 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

Instrument :

BNA_F

ClientSampleId :

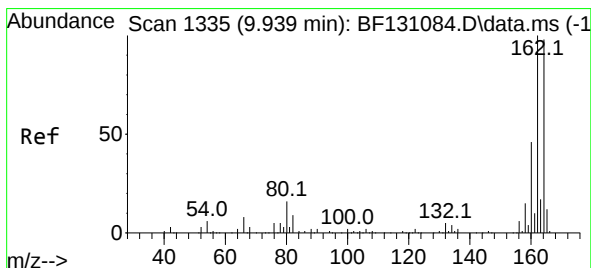
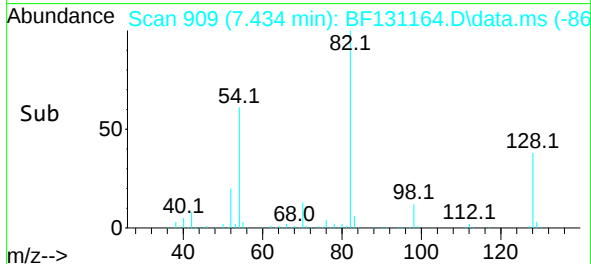
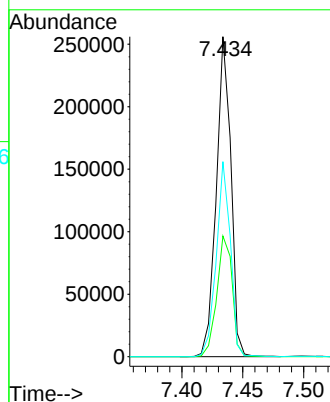
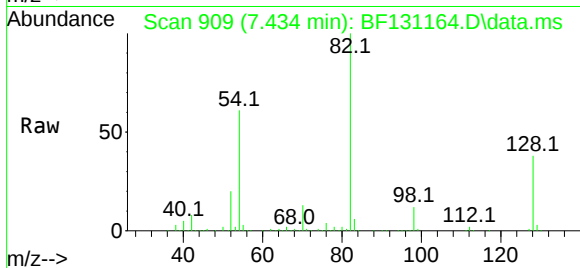
RM-1

Tgt Ion: 82 Resp: 213419
 Ion Ratio Lower Upper
 82 100
 128 37.7 30.5 45.7
 54 60.9 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

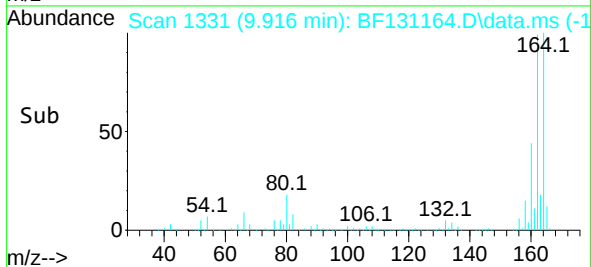
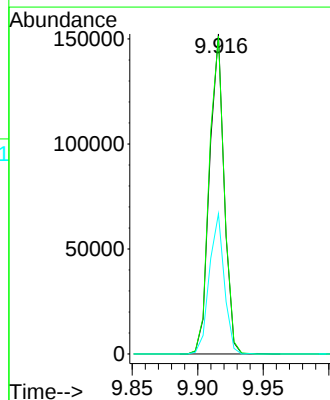
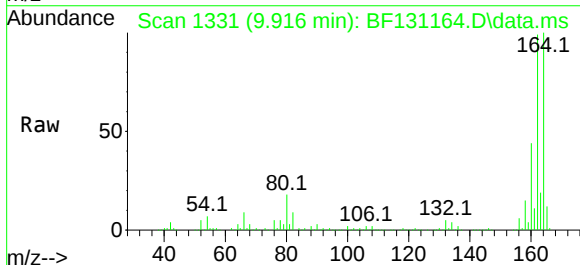
RT: 9.916 min Scan# 1331

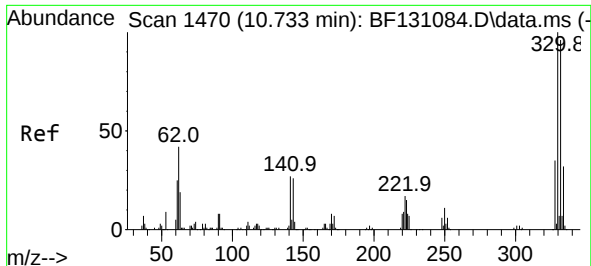
Delta R.T. -0.006 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

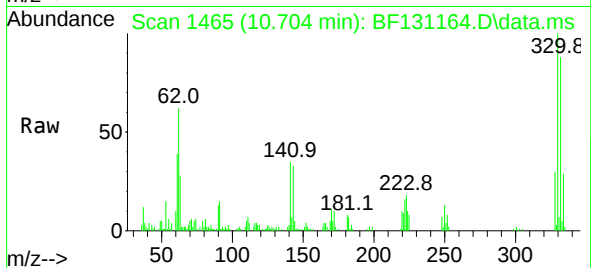
Tgt Ion:164 Resp: 118050
 Ion Ratio Lower Upper
 164 100
 162 99.4 81.7 122.5
 160 43.8 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 14.617 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

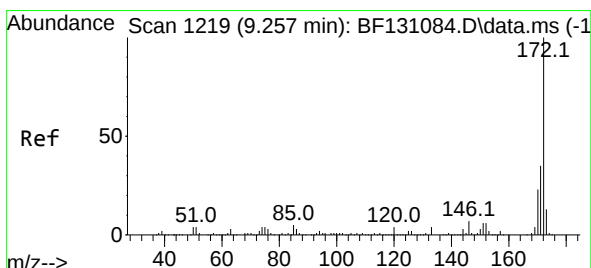
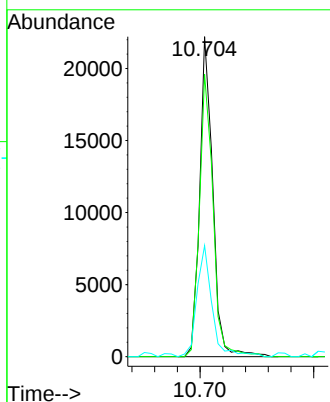
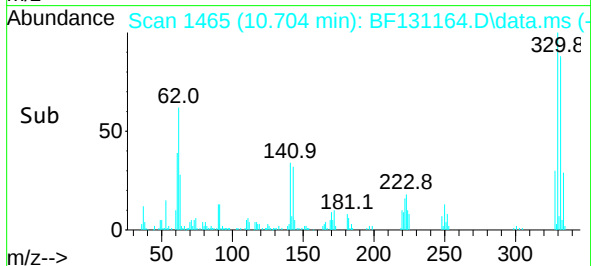
Instrument :
BNA_F
ClientSampleId :
RM-1



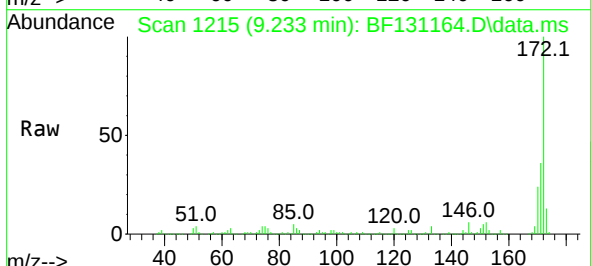
Tgt Ion: 330 Resp: 1783
Ion Ratio Lower Upper
330 100
332 91.9 77.0 115.4
141 40.0 28.5 42.7

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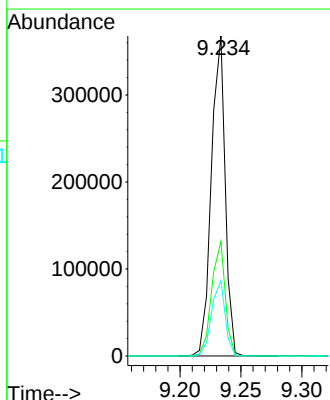
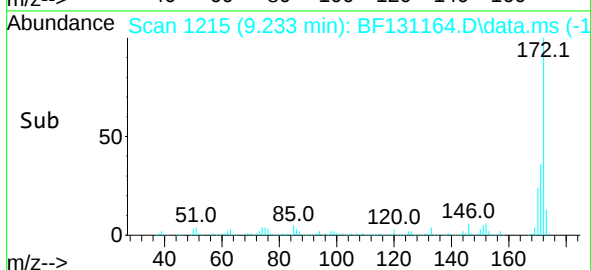
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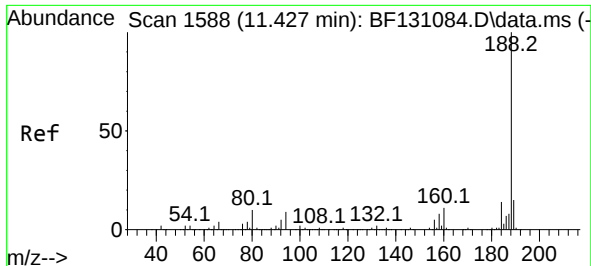


#45
2-Fluorobiphenyl
Concen: 34.284 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57



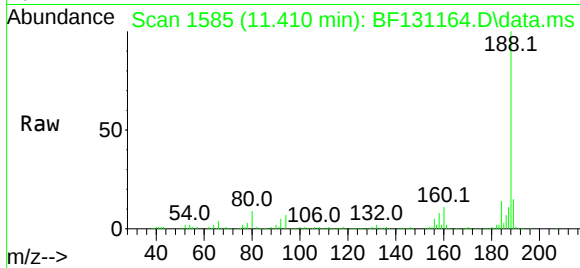
Tgt Ion: 172 Resp: 289923
Ion Ratio Lower Upper
172 100
171 35.8 27.7 41.5
170 23.5 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

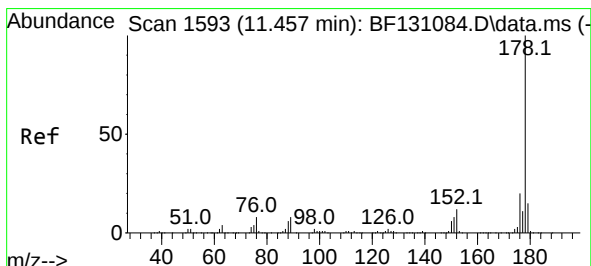
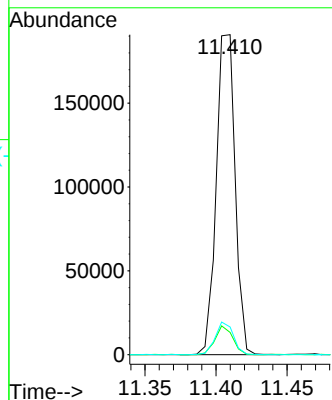
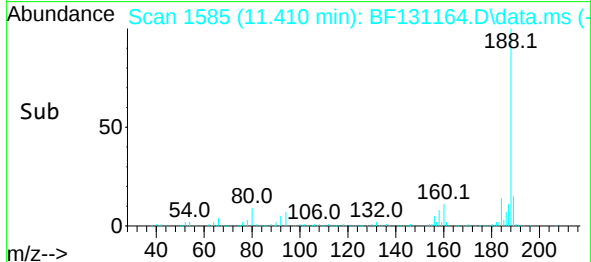
Instrument :
BNA_F
ClientSampleId :
RM-1



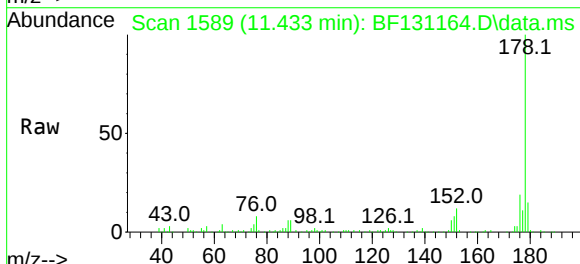
Tgt Ion:188 Resp: 176058
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6
80 8.6 7.9 11.9

Manual Integrations
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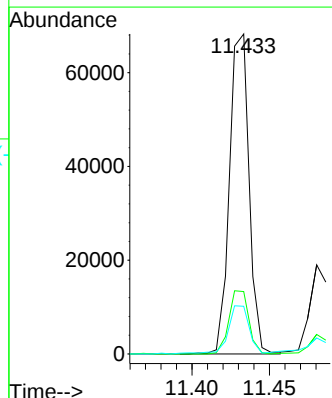
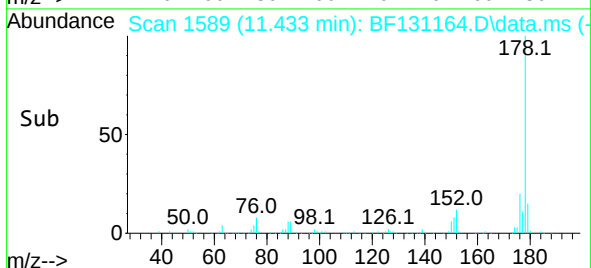
Reviewed By :Christian Giraldo 11/12/2022
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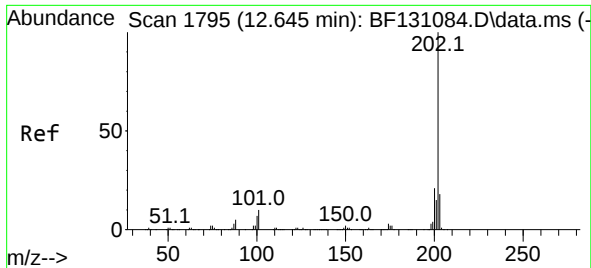


#71
Phenanthrene
Concen: 6.210 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57



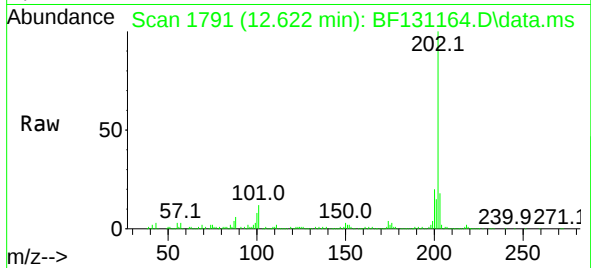
Tgt Ion:178 Resp: 60131
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.9 12.2 18.2





#75
Fluoranthene
Concen: 9.090 ng
RT: 12.622 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

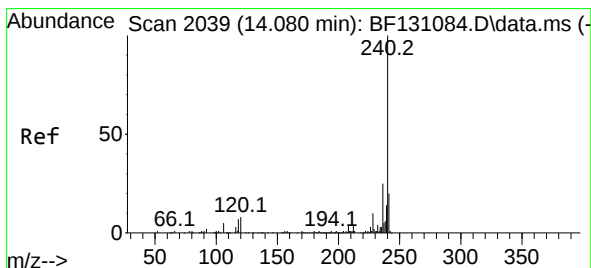
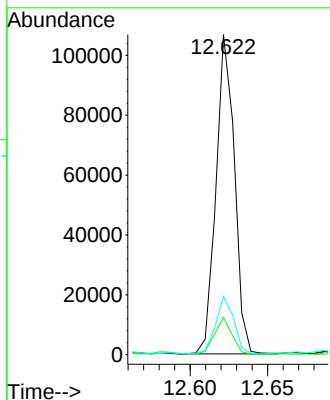
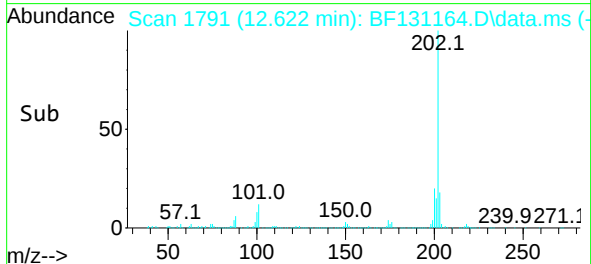
Instrument :
BNA_F
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RM-1



Tgt Ion:202 Resp: 88100
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.0
203 18.2 0.0 37.7

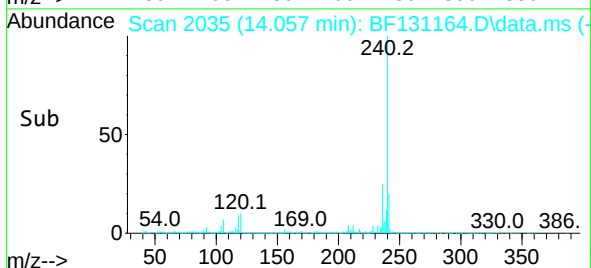
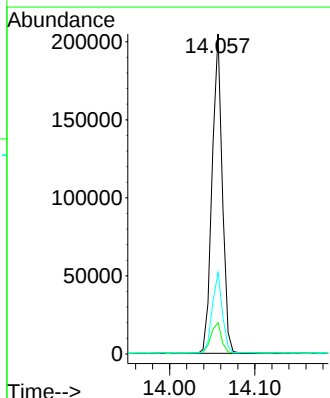
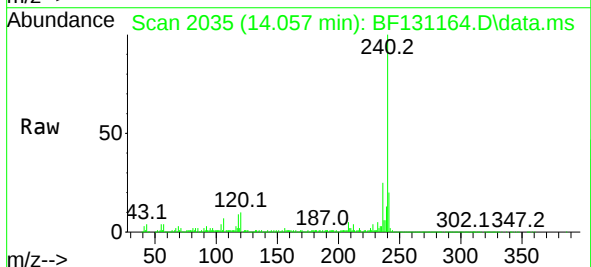
Manual Integrations
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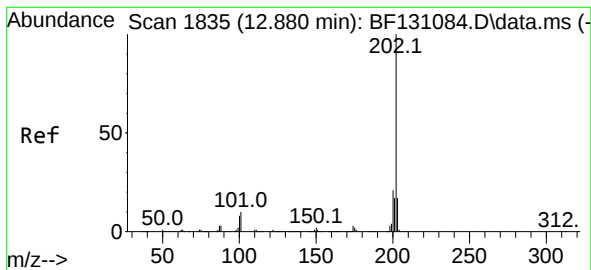
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion:240 Resp: 170575
Ion Ratio Lower Upper
240 100
120 9.8 6.5 9.7#
236 25.5 19.7 29.5





#78

Pyrene

Concen: 5.246 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RM-1

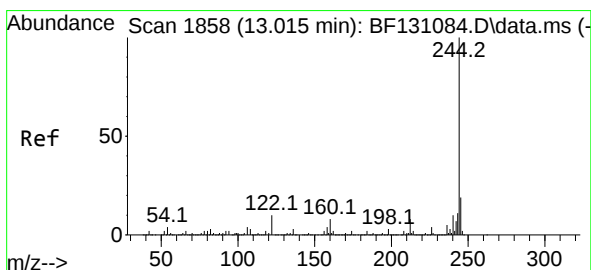
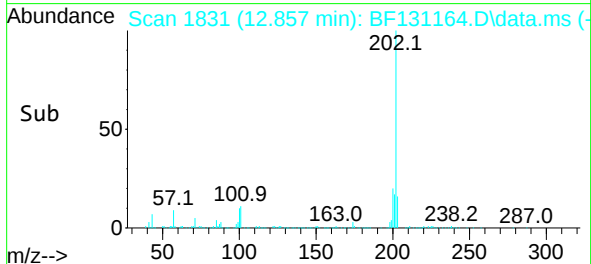
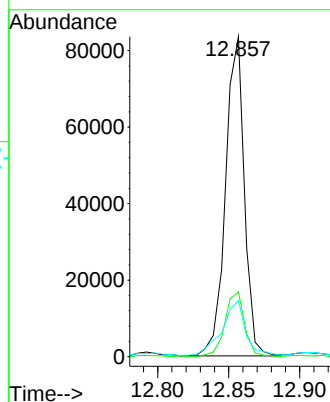
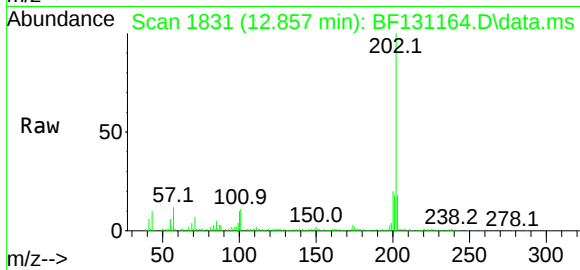
Tgt Ion:	202	Resp:	7677
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	17.6	13.6	20.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 25.786 ng

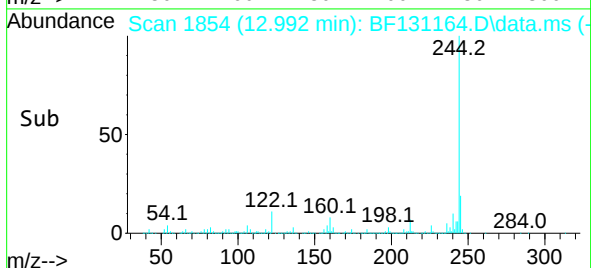
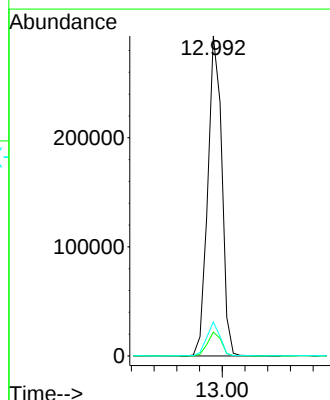
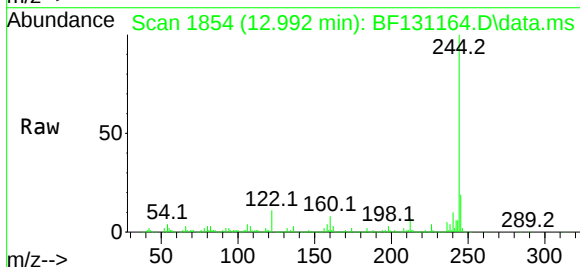
RT: 12.992 min Scan# 1854

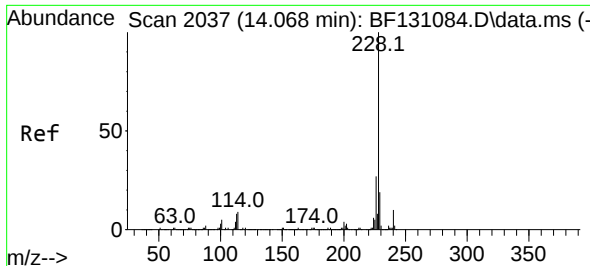
Delta R.T. -0.006 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

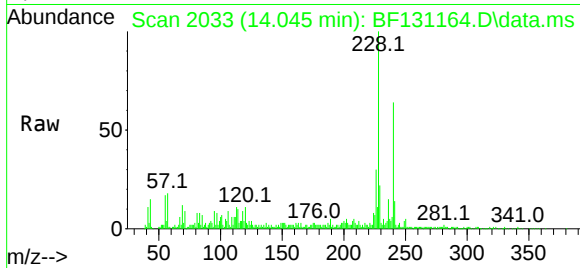
Tgt Ion:	244	Resp:	250864
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	10.6	7.8	11.8





#81
Benzo(a)anthracene
Concen: 3.808 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

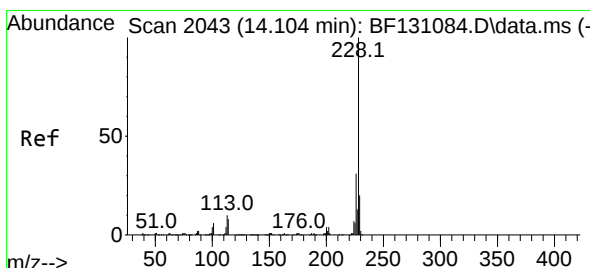
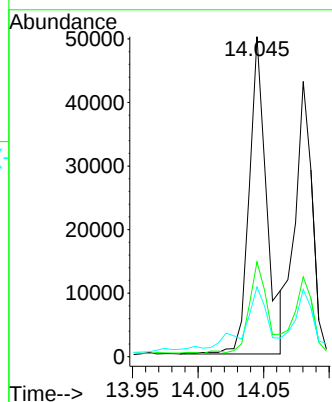
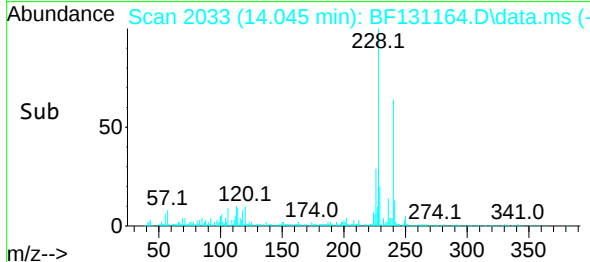
Instrument :
BNA_F
ClientSampleId :
RM-1



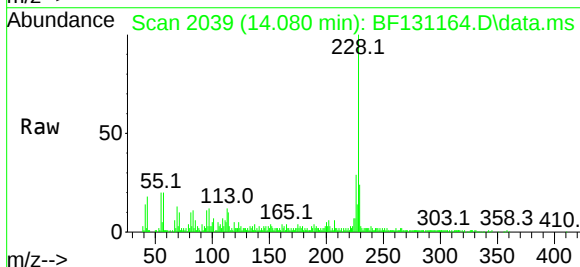
Tgt Ion:228 Resp: 46429
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.6
229 21.8 15.4 23.2

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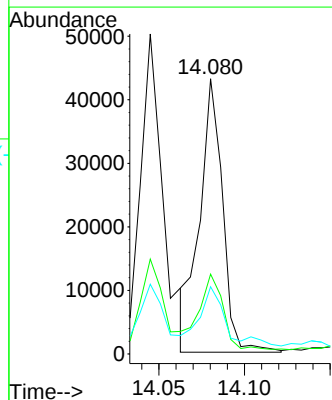
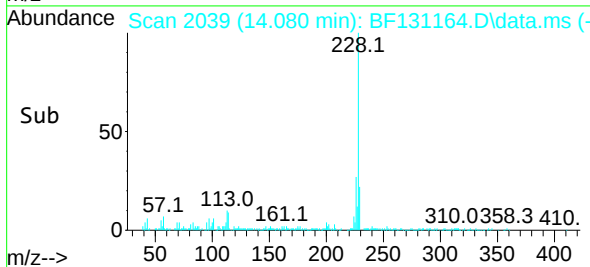
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

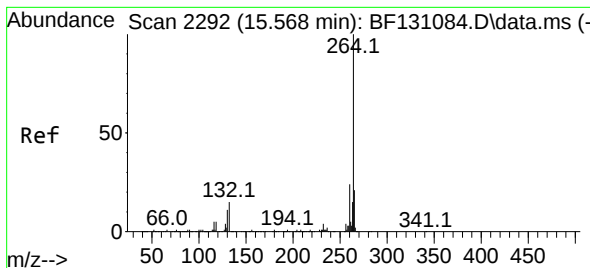


#83
Chrysene
Concen: 3.486 ng m
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57



Tgt Ion:228 Resp: 40141
Ion Ratio Lower Upper
228 100
226 29.0 24.4 36.6
229 24.4 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

Instrument :

BNA_F

ClientSampleId :

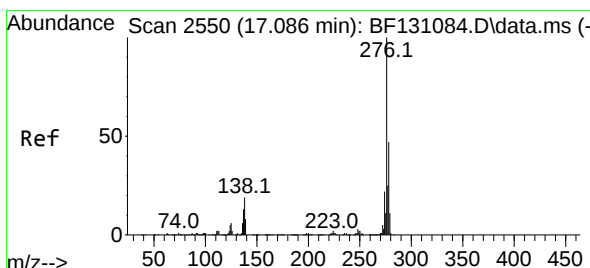
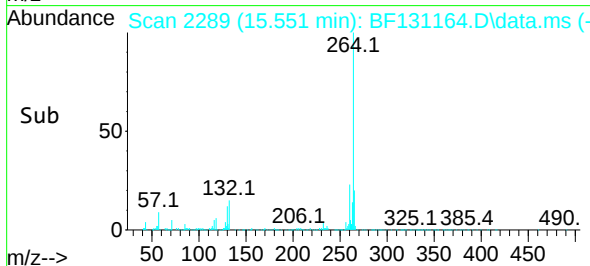
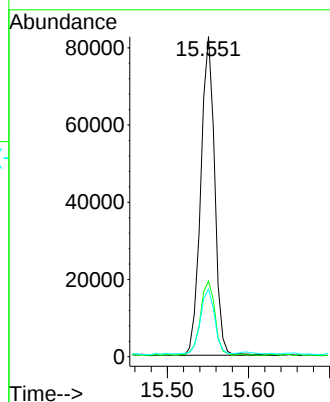
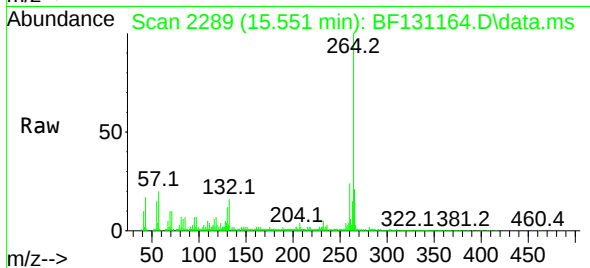
RM-1

Tgt Ion:264	Resp:	98038
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.1 28.7
265	21.1	16.7 25.1

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.254 ng m

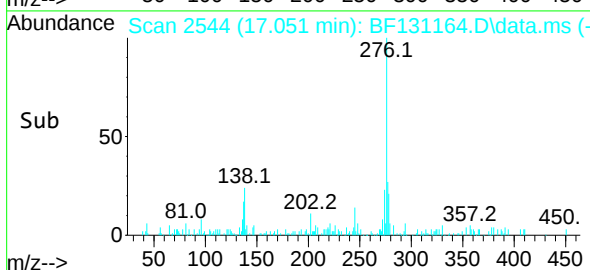
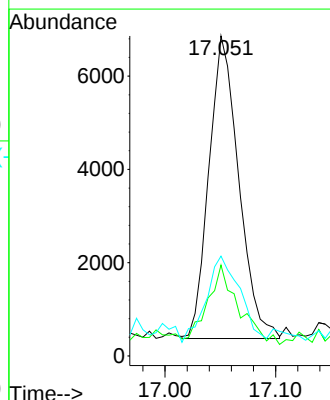
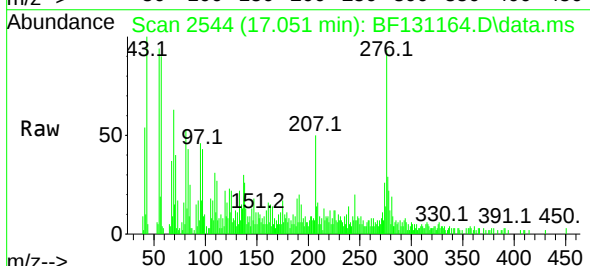
RT: 17.051 min Scan# 2544

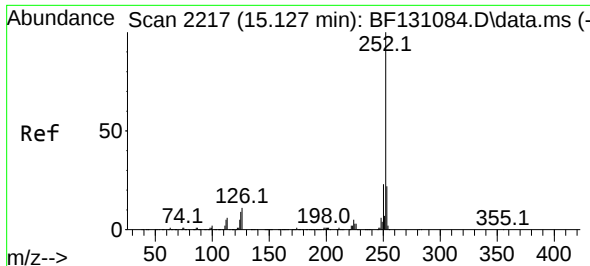
Delta R.T. -0.006 min

Lab File: BF131164.D

Acq: 11 Nov 2022 20:57

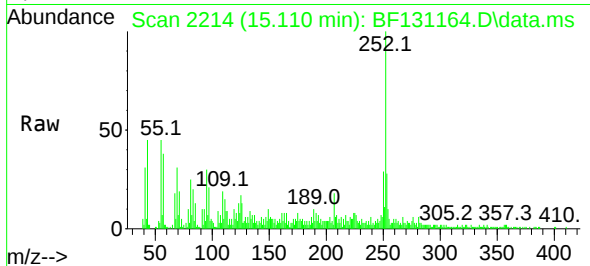
Tgt Ion:276	Resp:	12122
Ion Ratio	Lower	Upper
276	100	
138	0.9	16.9 25.3#
277	1.0	20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 4.558 ng m
RT: 15.110 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

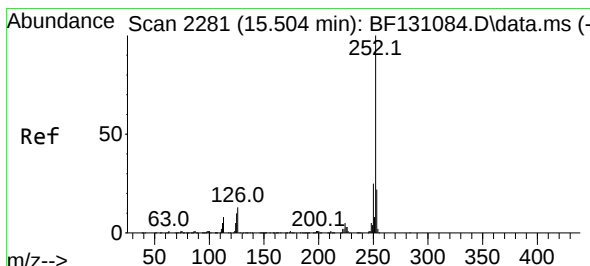
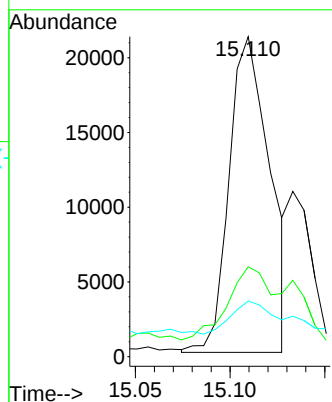
Instrument :
BNA_F
ClientSampleId :
RM-1



Tgt Ion:252 Resp: 31590
Ion Ratio Lower Upper
252 100
253 28.1 17.3 25.9#
125 17.4 7.2 10.8#

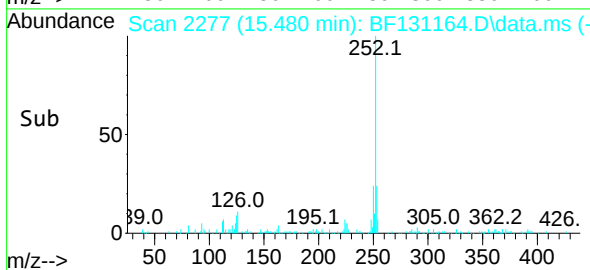
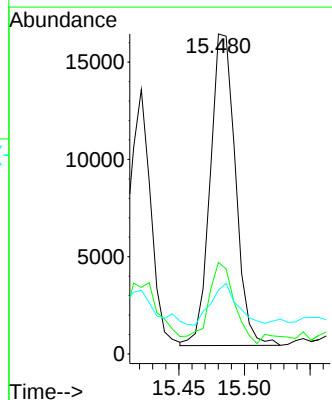
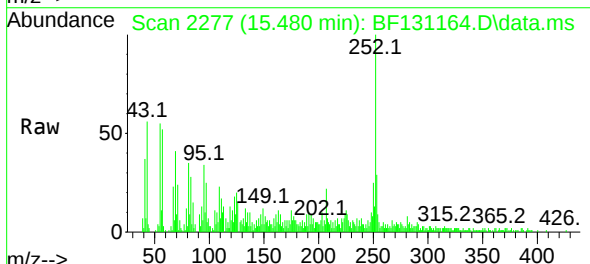
Manual Integrations
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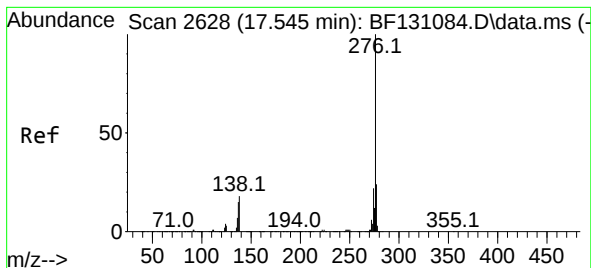
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 3.866 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF131164.D
Acq: 11 Nov 2022 20:57

Tgt Ion:252 Resp: 21484
Ion Ratio Lower Upper
252 100
253 28.6 17.8 26.8#
125 20.0 8.1 12.1#





#92

Benzo(g,h,i)perylene

Concen: 6.107 ng

RT: 17.509 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF131164.D

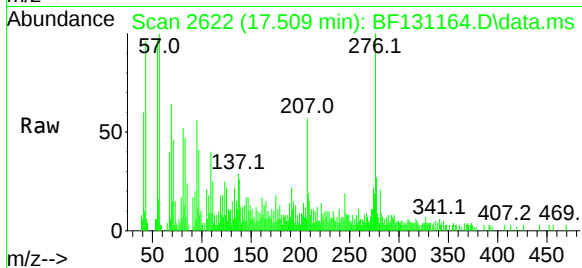
Acq: 11 Nov 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RM-1



Tgt Ion:276 Resp: 1320

Ion Ratio Lower Upper

276 100

277 26.8 19.0 28.4

138 26.4 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022

