

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
 Data File : BF131075.D
 Acq On : 08 Nov 2022 19:32
 Operator : CG\JU
 Sample : N5415-06RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-19RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/09/2022
 Supervised By : Jagrut Upadhyay 11/09/2022

Quant Time: Nov 09 04:08:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 01:40:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	54861	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	162036	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	90488	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	188161	20.000	ng	0.00
76) Chrysene-d12	14.086	240	155707	20.000	ng	0.00
86) Perylene-d12	15.592	264	134420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	346495	101.843	ng	0.00
7) Phenol-d6	6.522	99	395716	95.293	ng	0.00
23) Nitrobenzene-d5	7.463	82	247485	70.797	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	94990	95.348	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	321634	48.441	ng	-0.01
79) Terphenyl-d14	13.027	244	418184	43.059	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.463	178	32540	3.070	ng	98
75) Fluoranthene	12.651	202	40419	3.593	ng	99
78) Pyrene	12.886	202	40983	2.890	ng	99
81) Benzo(a)anthracene	14.074	228	22683	2.006	ng	# 90
83) Chrysene	14.110	228	22323	2.079	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.104	276	9268	4.087	ng	96
88) Benzo(b)fluoranthene	15.145	252	25276m	2.588	ng	
90) Benzo(a)pyrene	15.521	252	16489	2.123	ng	# 91
92) Benzo(g,h,i)perylene	17.568	276	10707	4.448	ng	93

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

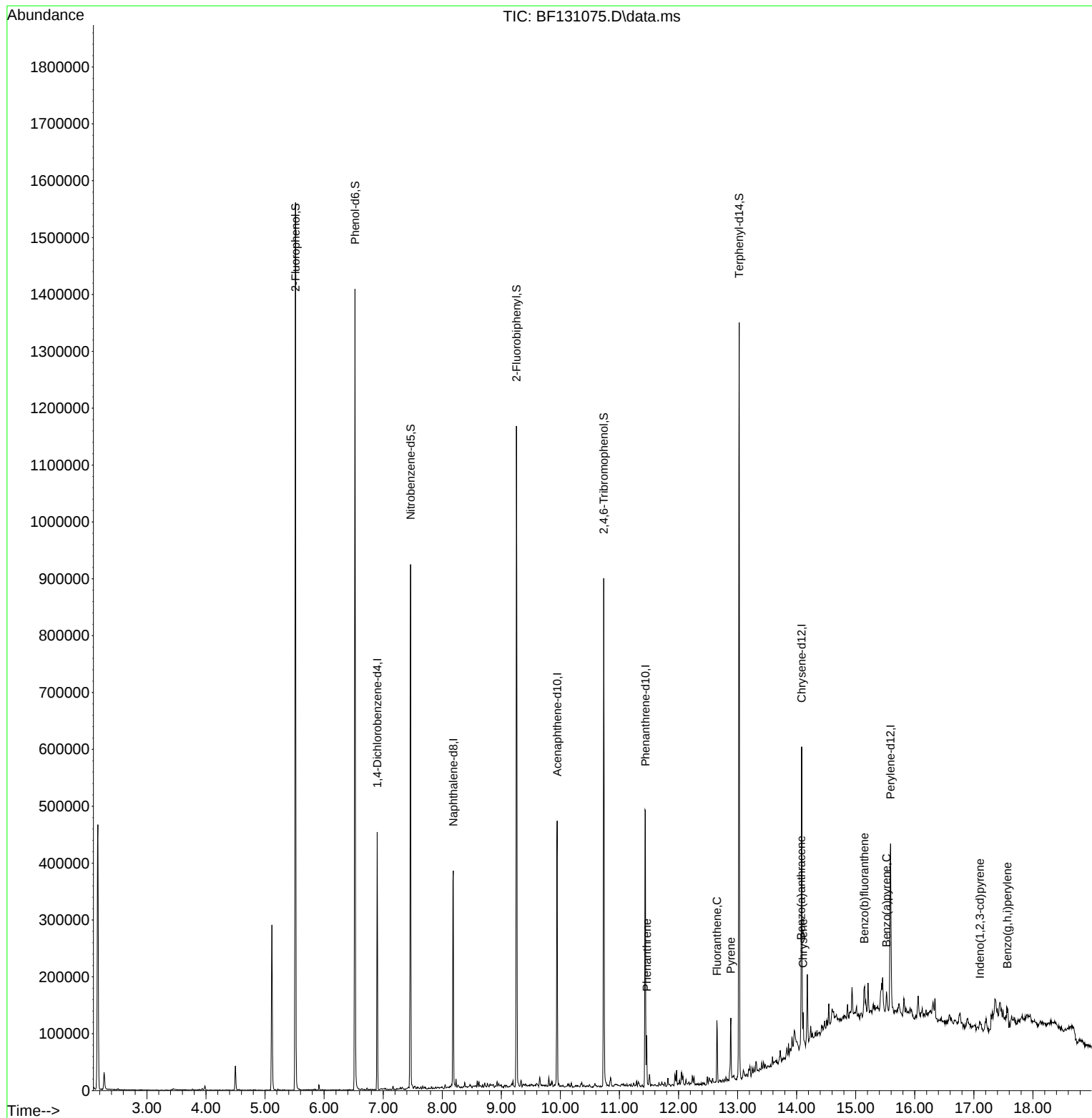
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131075.D
Acq On : 08 Nov 2022 19:32
Operator : CG\JU
Sample : N5415-06RE
Misc :
ALS Vial : 20 Sample Multiplier: 1

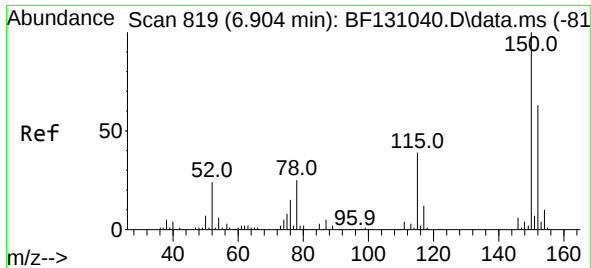
Instrument :
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ClientSampleId :
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Quant Time: Nov 09 04:08:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
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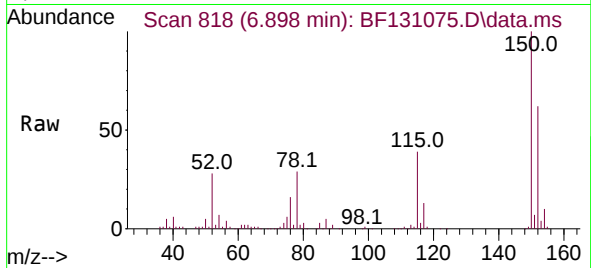
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

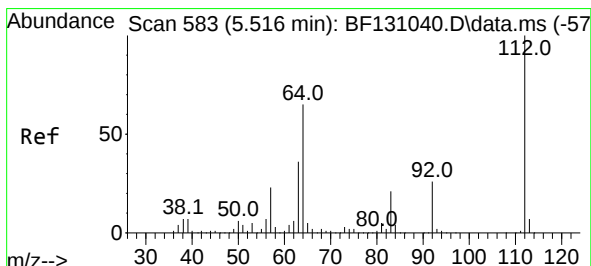
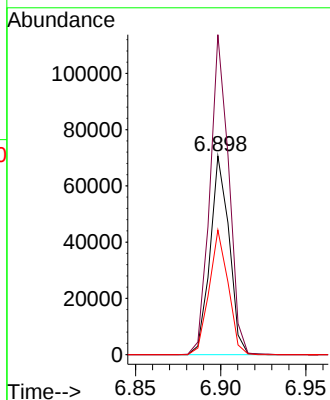
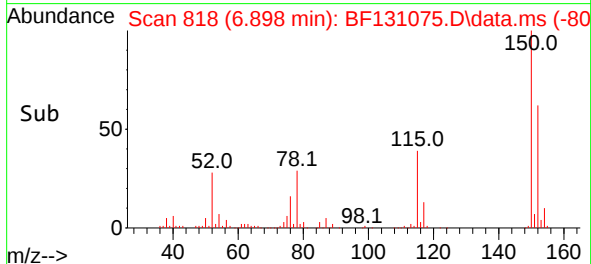
Instrument :
BNA_F
ClientSampleId :
R-19RE



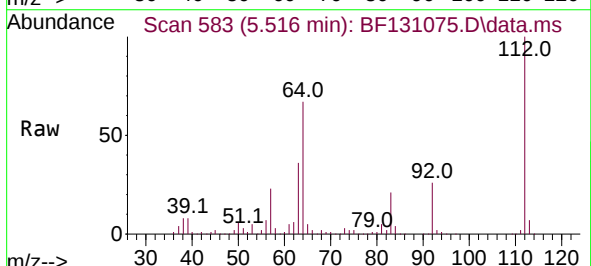
Tgt Ion:152 Resp: 54861
Ion Ratio Lower Upper
152 100
150 161.1 126.6 189.8
115 62.7 49.1 73.7

Manual Integrations
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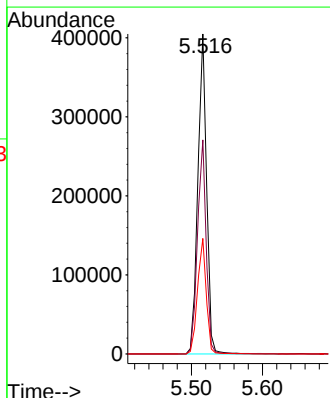
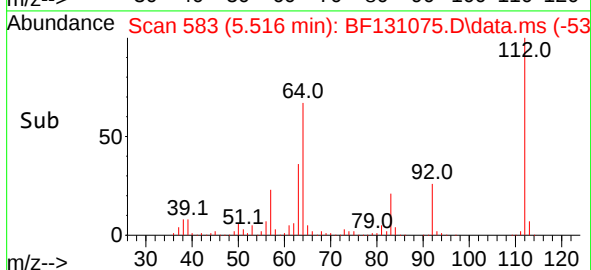
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

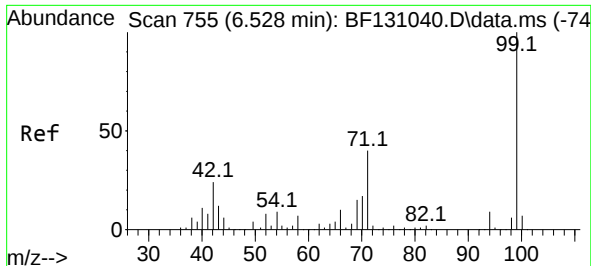


#5
2-Fluorophenol
Concen: 101.843 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.000 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32



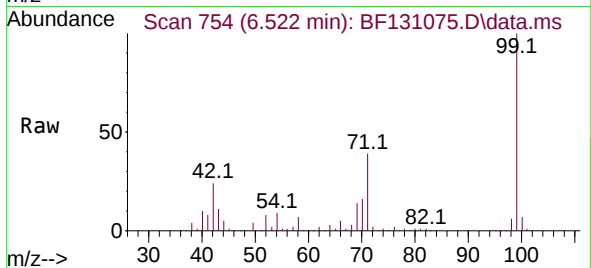
Tgt Ion:112 Resp: 346495
Ion Ratio Lower Upper
112 100
64 66.9 52.2 78.4
63 36.1 29.0 43.4





#7
Phenol-d6
Concen: 95.293 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

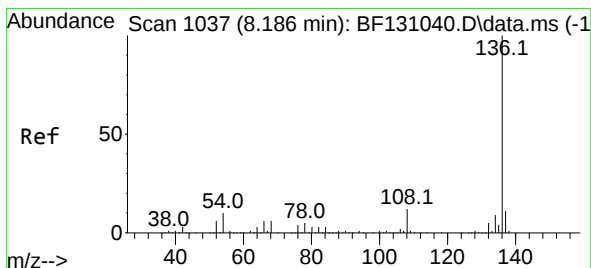
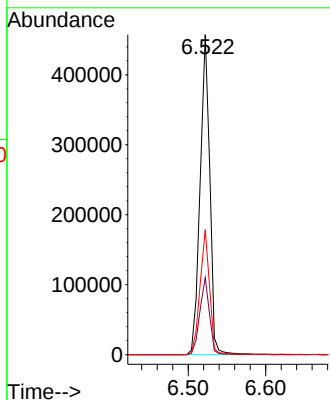
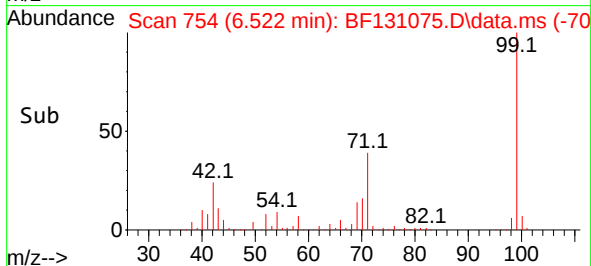
Instrument :
BNA_F
ClientSampleId :
R-19RE



Tgt Ion: 99 Resp: 395716
Ion Ratio Lower Upper
99 100
42 24.0 19.4 29.0
71 39.0 31.8 47.8

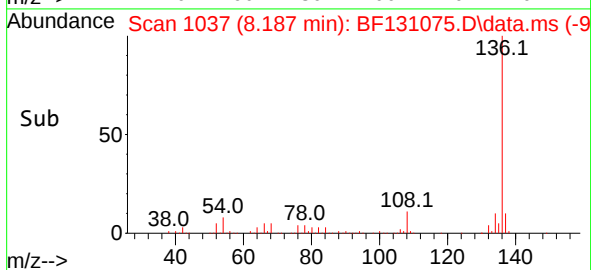
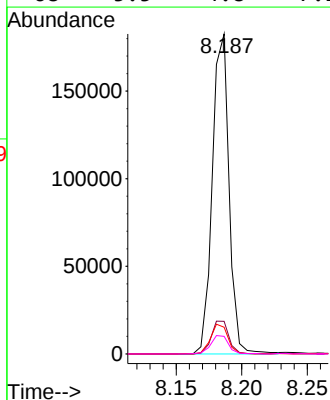
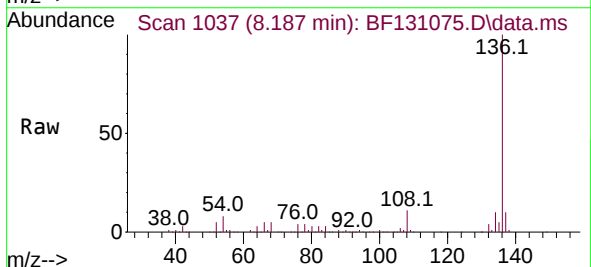
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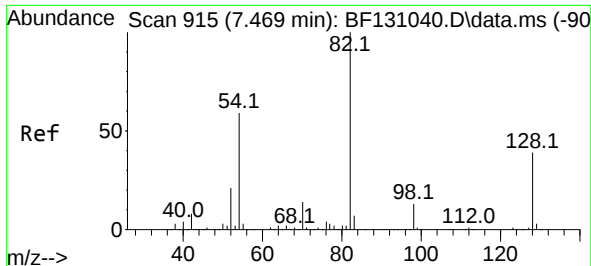
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

Tgt Ion:136 Resp: 162036
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 8.3 8.2 12.2
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 70.797 ng

RT: 7.463 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF131075.D

Acq: 08 Nov 2022 19:32

Instrument :

BNA_F

ClientSampleId :

R-19RE

Tgt Ion: 82 Resp: 247485

Ion Ratio Lower Upper

82 100

128 40.9 31.3 46.9

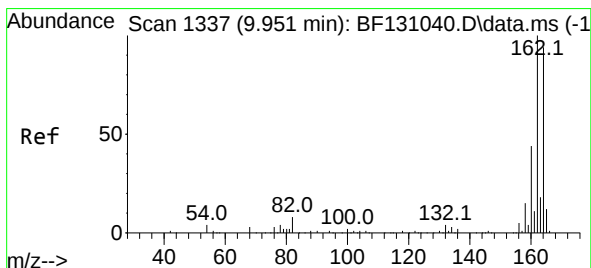
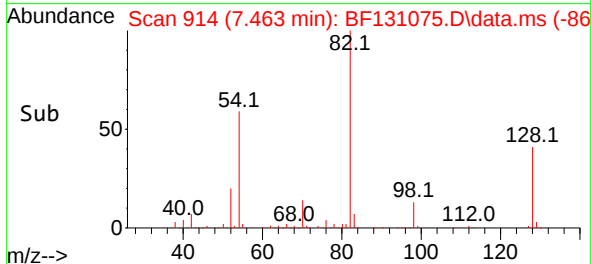
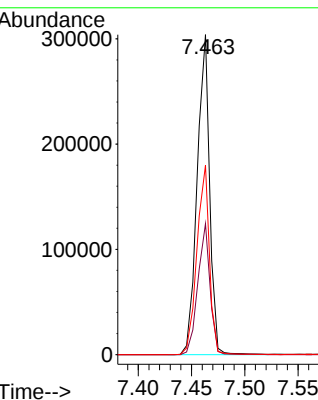
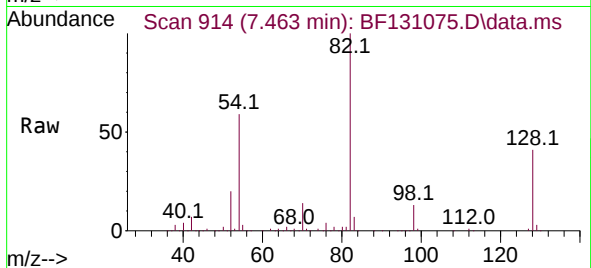
54 59.2 47.2 70.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF131075.D

Acq: 08 Nov 2022 19:32

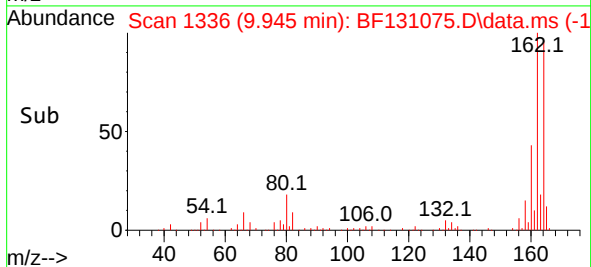
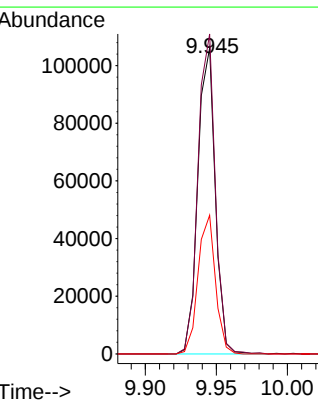
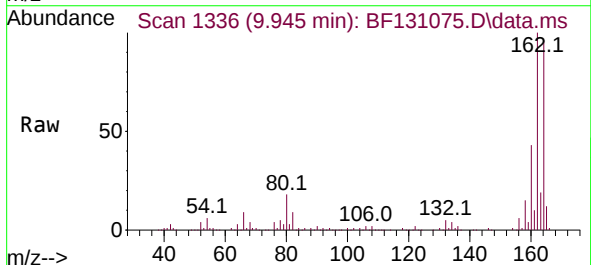
Tgt Ion:164 Resp: 90488

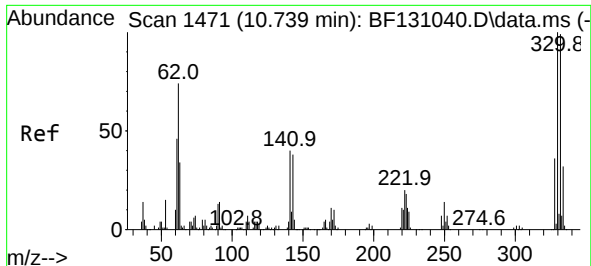
Ion Ratio Lower Upper

164 100

162 104.6 85.0 127.6

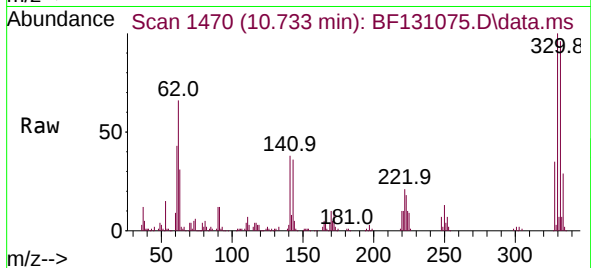
160 45.3 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 95.348 ng
RT: 10.733 min Scan# 1471
Delta R.T. -0.006 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

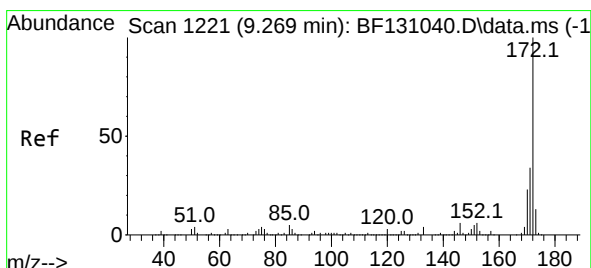
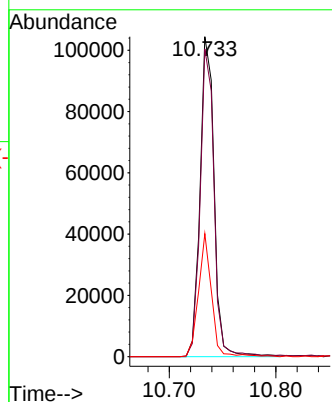
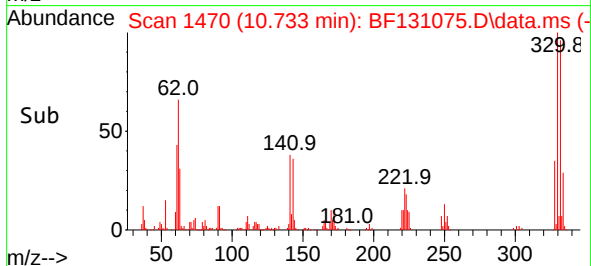
Instrument :
BNA_F
ClientSampleId :
R-19RE



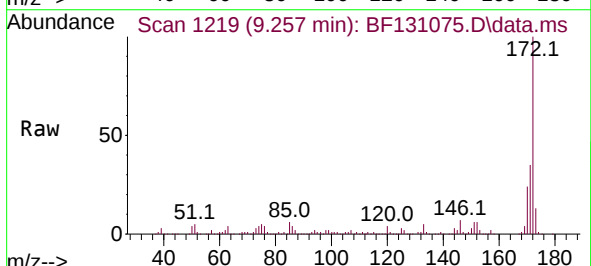
Tgt Ion: 330 Resp: 94990
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.4
141 35.7 28.3 42.5

Manual Integrations
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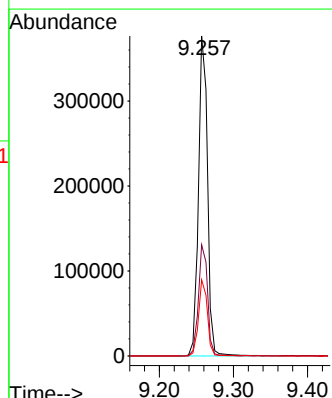
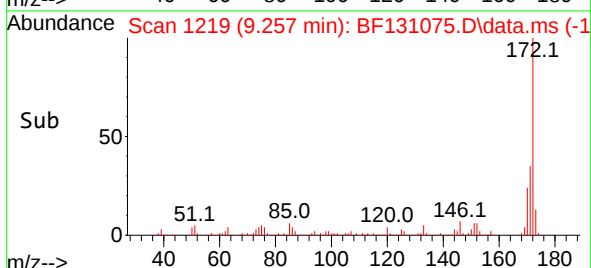
Reviewed By : Christian Giraldo 11/09/2022
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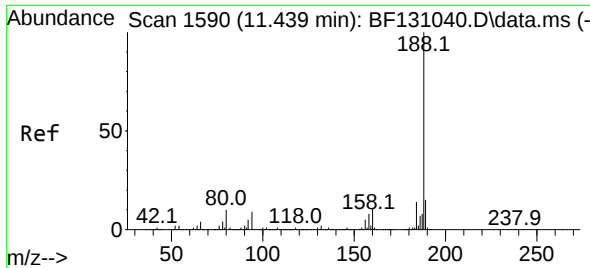


#45
2-Fluorobiphenyl
Concen: 48.441 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32



Tgt Ion: 172 Resp: 321634
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 23.8 18.4 27.6





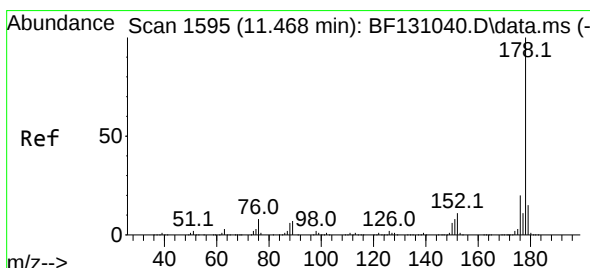
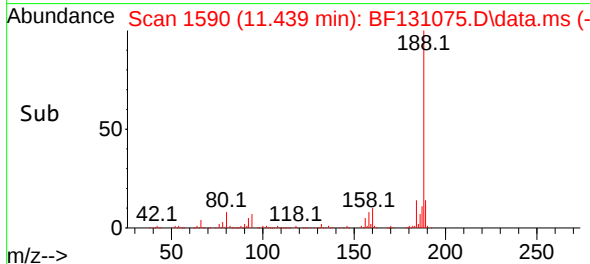
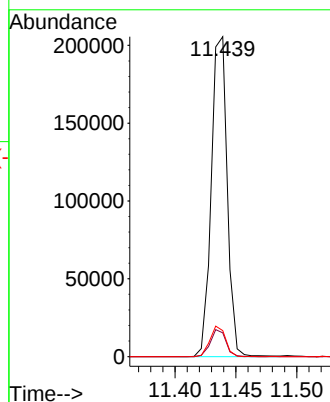
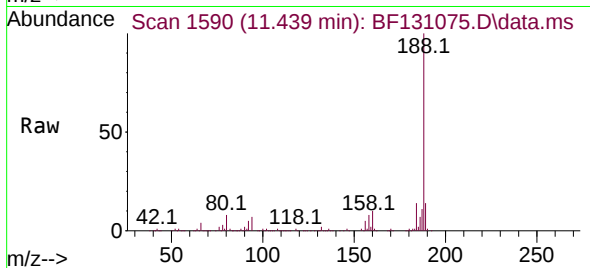
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

Instrument :
BNA_F
ClientSampleId :
R-19RE

Tgt Ion:188 Resp: 18816
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.6
80 8.1 8.1 12.1

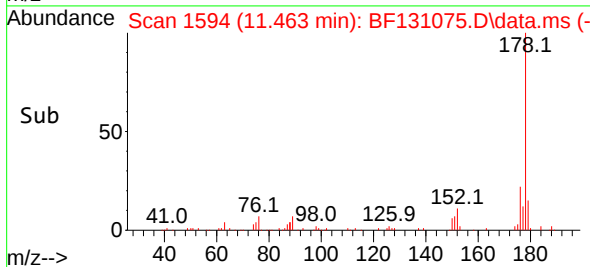
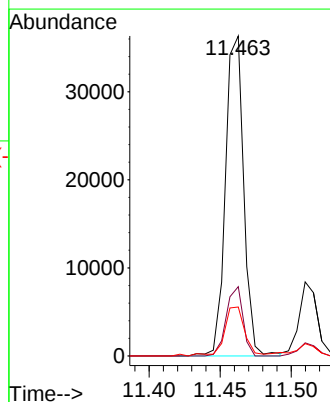
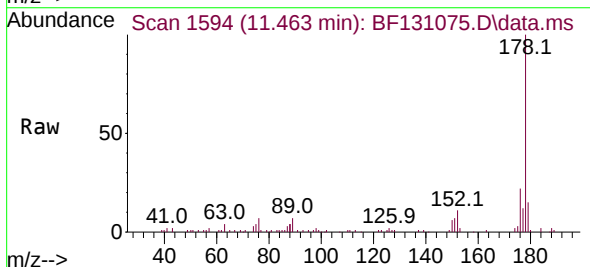
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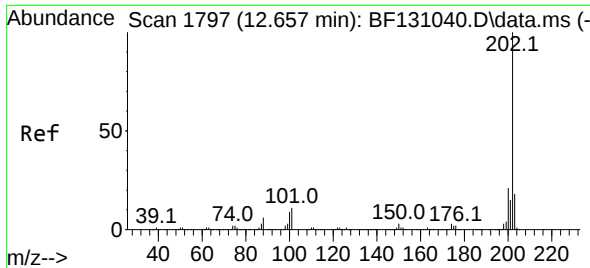
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#71
Phenanthrene
Concen: 3.070 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.005 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

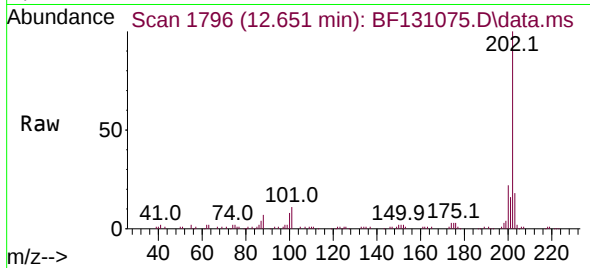
Tgt Ion:178 Resp: 32540
Ion Ratio Lower Upper
178 100
176 21.6 15.9 23.9
179 15.3 12.3 18.5





#75
Fluoranthene
Concen: 3.593 ng
RT: 12.651 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

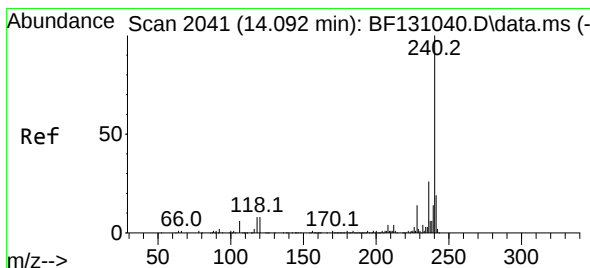
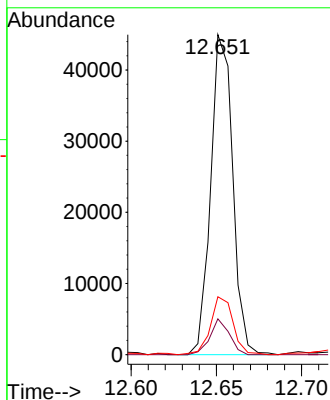
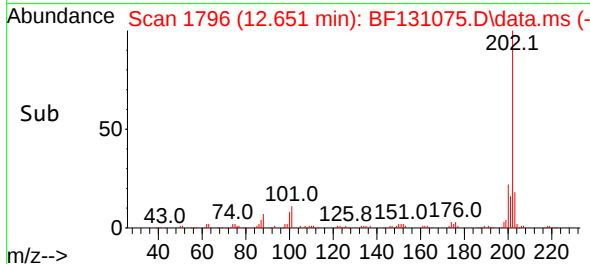
Instrument :
BNA_F
ClientSampleId :
R-19RE



Tgt Ion:202 Resp: 40419
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.9
203 18.1 0.0 37.8

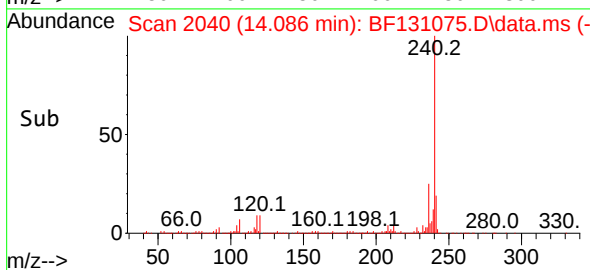
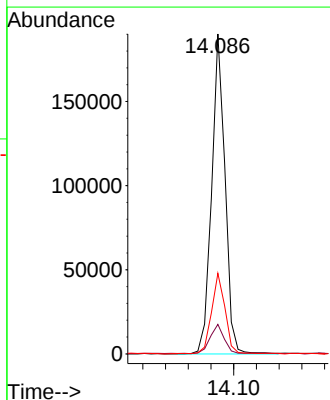
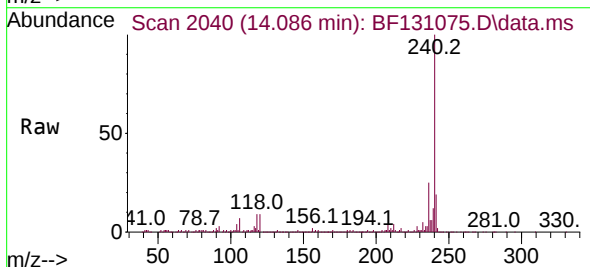
Manual Integrations
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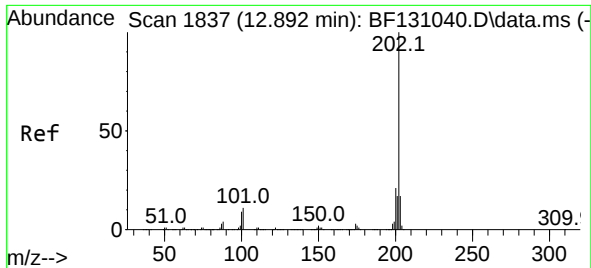
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

Tgt Ion:240 Resp: 155707
Ion Ratio Lower Upper
240 100
120 9.2 6.7 10.1
236 25.2 20.8 31.2





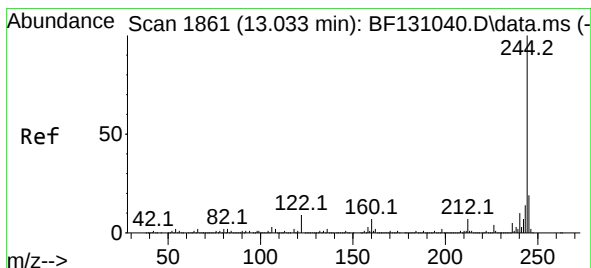
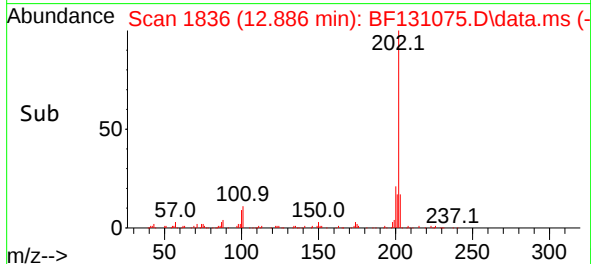
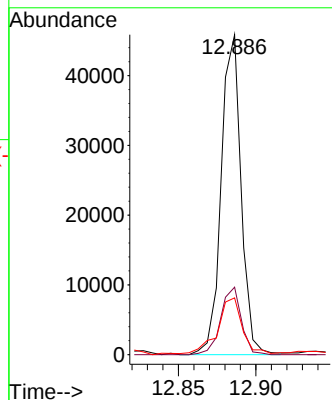
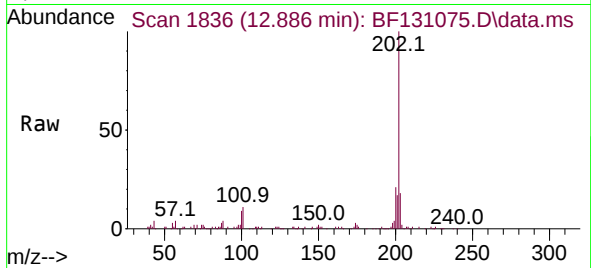
#78
 Pyrene
 Concen: 2.890 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF131075.D
 Acq: 08 Nov 2022 19:32

Instrument :
 BNA_F
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 R-19RE

Tgt Ion:202 Resp: 40983
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.0 25.4
 203 17.7 13.8 20.8

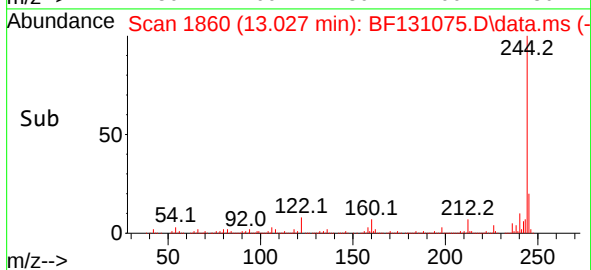
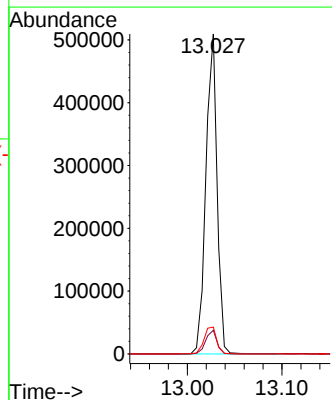
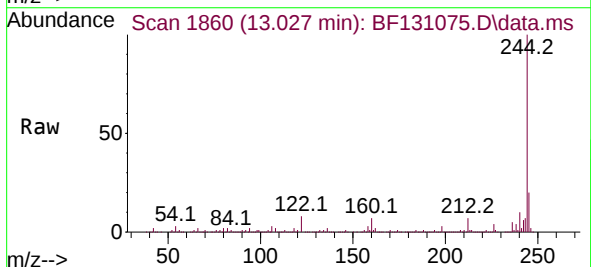
Manual Integrations
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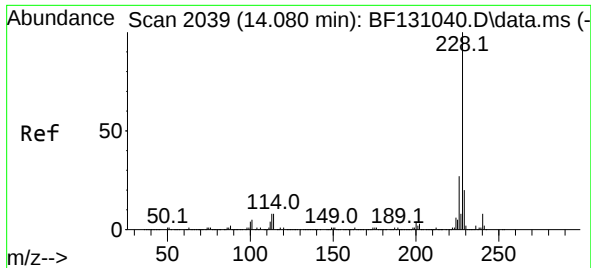
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022



#79
 Terphenyl-d14
 Concen: 43.059 ng
 RT: 13.027 min Scan# 1860
 Delta R.T. -0.006 min
 Lab File: BF131075.D
 Acq: 08 Nov 2022 19:32

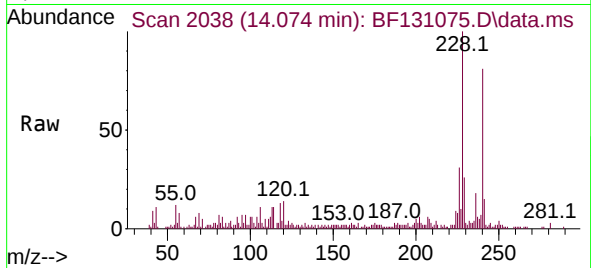
Tgt Ion:244 Resp: 418184
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 8.4 7.0 10.4





#81
Benzo(a)anthracene
Concen: 2.006 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

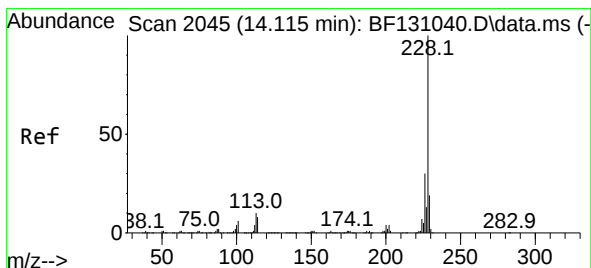
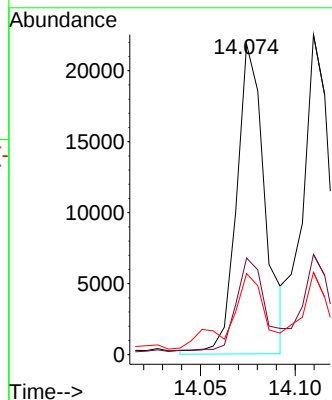
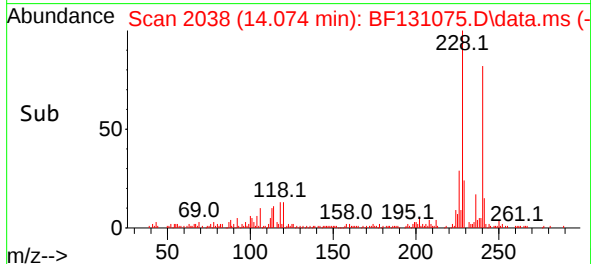
Instrument :
BNA_F
ClientSampleId :
R-19RE



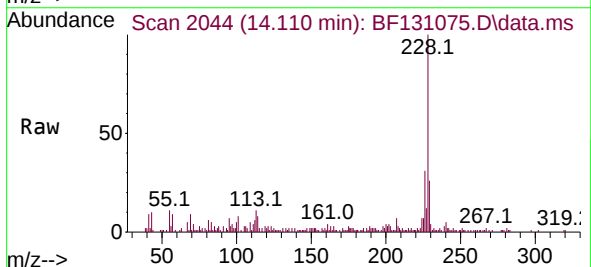
Tgt Ion:228 Resp: 22683
Ion Ratio Lower Upper
228 100
226 31.1 21.8 32.8
229 26.1 15.8 23.6

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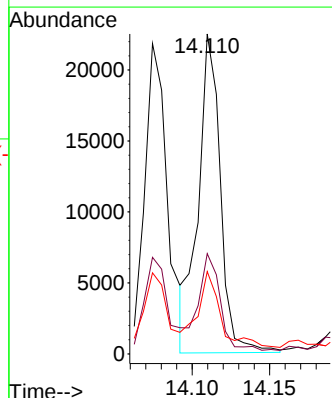
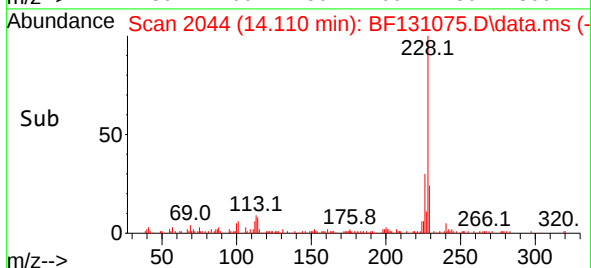
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

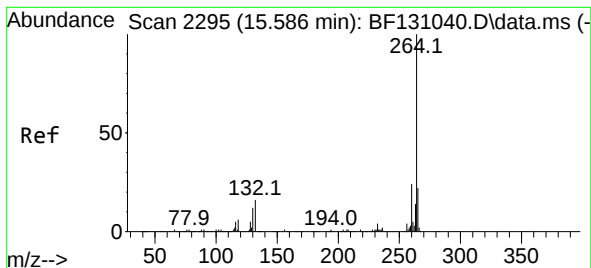


#83
Chrysene
Concen: 2.079 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.005 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32



Tgt Ion:228 Resp: 22323
Ion Ratio Lower Upper
228 100
226 31.3 23.7 35.5
229 25.7 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131075.D

Acq: 08 Nov 2022 19:32

Instrument :

BNA_F

ClientSampleId :

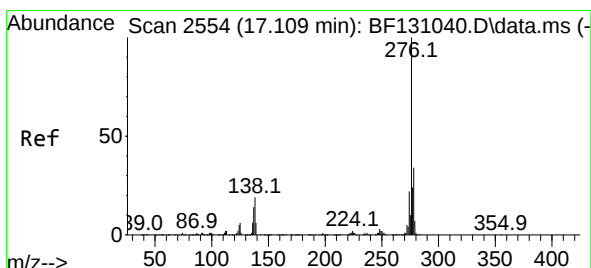
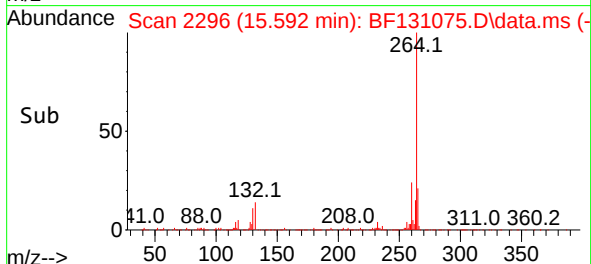
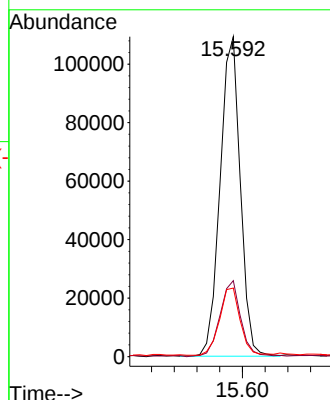
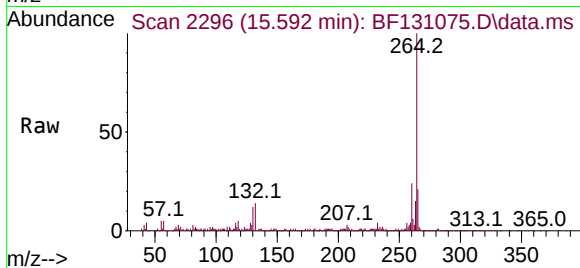
R-19RE

Tgt Ion:	264	Resp:	134420
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.8	28.2
265	21.4	17.3	25.9

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Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.087 ng

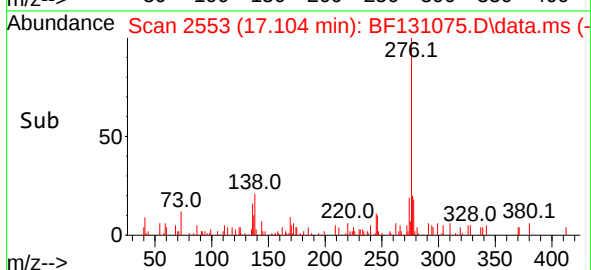
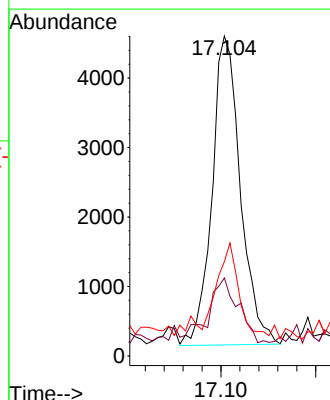
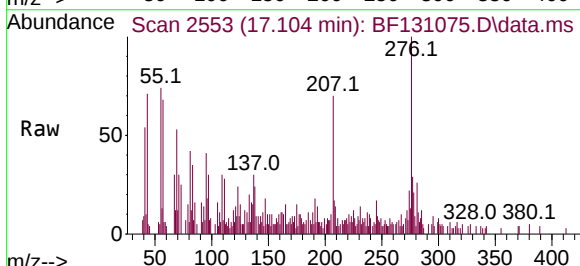
RT: 17.104 min Scan# 2553

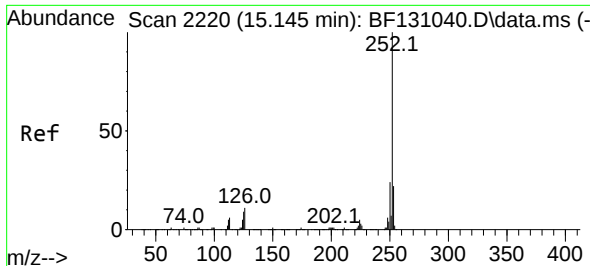
Delta R.T. -0.005 min

Lab File: BF131075.D

Acq: 08 Nov 2022 19:32

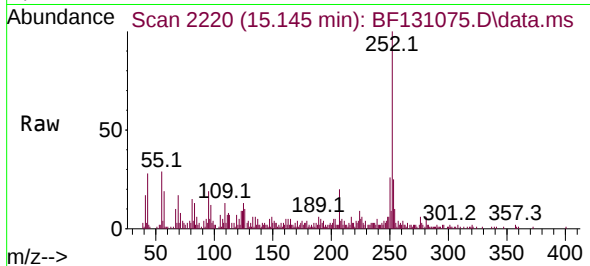
Tgt Ion:	276	Resp:	9268
Ion Ratio	Lower	Upper	
276	100		
138	21.9	17.3	25.9
277	22.3	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 2.588 ng m
RT: 15.145 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

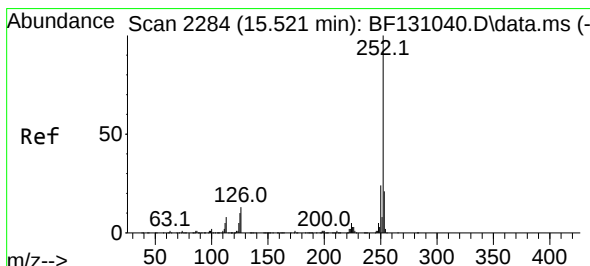
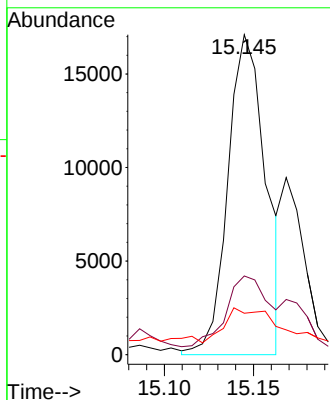
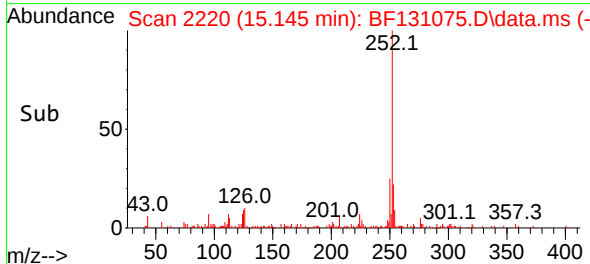
Instrument :
BNA_F
ClientSampleId :
R-19RE



Tgt Ion:252 Resp: 25276
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 12.9 7.1 10.7

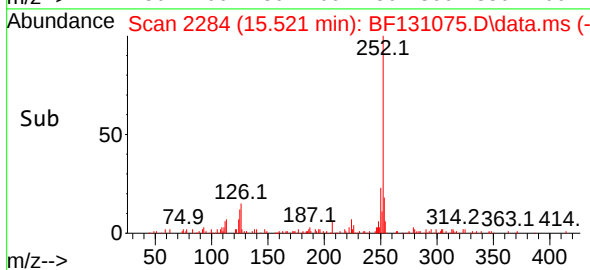
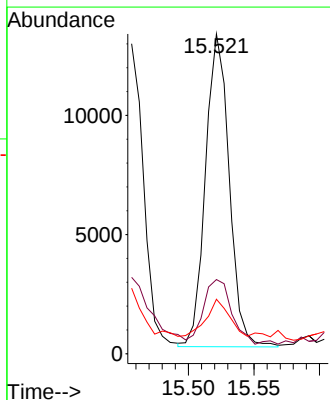
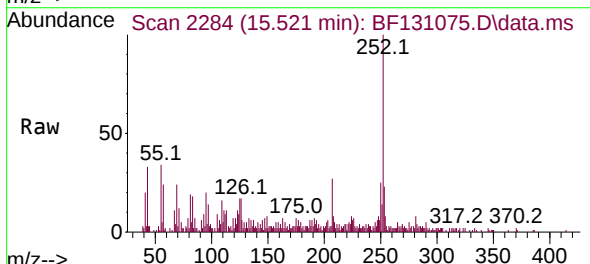
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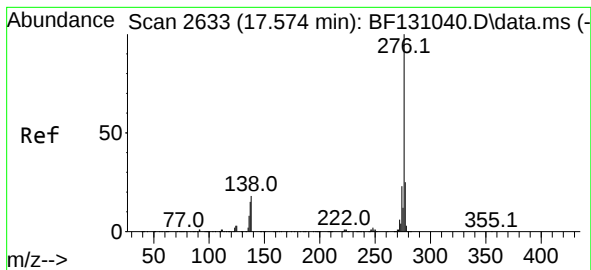
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#90
Benzo(a)pyrene
Concen: 2.123 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

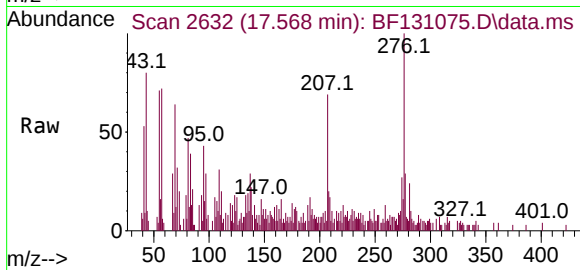
Tgt Ion:252 Resp: 16489
Ion Ratio Lower Upper
252 100
253 23.2 16.9 25.3
125 17.1 7.9 11.9





#92
Benzo(g,h,i)perylene
Concen: 4.448 ng
RT: 17.568 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF131075.D
Acq: 08 Nov 2022 19:32

Instrument :
BNA_F
ClientSampleId :
R-19RE



Tgt Ion:	276	Resp:	1070
Ion Ratio	Lower	Upper	
276	100		
277	28.5	20.0	30.0
138	21.9	14.8	22.2

Manual Integrations
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Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

