

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132489.D
 Acq On : 20 Feb 2023 20:43
 Operator : CG\JU
 Sample : 01552-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0

Quant Time: Feb 21 00:05:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							02/21/2023 Supervised By :Jagrut Upadhyay
1) 1,4-Dichlorobenzene-d4	7.031	152	173318	20.000	ng	0.00	
21) Naphthalene-d8	8.313	136	577457	20.000	ng	0.00	
39) Acenaphthene-d10	10.078	164	253085	20.000	ng	0.00	
64) Phenanthrene-d10	11.577	188	450332	20.000	ng	0.00	
76) Chrysene-d12	14.236	240	227884	20.000	ng	# 0.00	
86) Perylene-d12	15.812	264	196019	20.000	ng	0.03	02/21/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.654	112	1150884	106.402	ng	0.01	
7) Phenol-d6	6.654	99	1434190	101.545	ng	0.00	
23) Nitrobenzene-d5	7.589	82	894332	74.416	ng	0.00	
42) 2,4,6-Tribromophenol	10.872	330	253036	100.207	ng	0.00	
45) 2-Fluorobiphenyl	9.389	172	1348138	82.262	ng	0.00	
79) Terphenyl-d14	13.166	244	1263612	100.985	ng	0.00	
Target Compounds							Qvalue
52) Acenaphthene	10.107	154	41905	2.757	ng		99
58) Fluorene	10.625	166	40451	2.372	ng		96
66) n-Nitrosodiphenylamine	10.730	169	57863	4.186	ng		99
71) Phenanthrene	11.601	178	437710	18.872	ng		99
72) Anthracene	11.648	178	159679	6.697	ng		100
73) Carbazole	11.807	167	44096	2.055	ng		97
75) Fluoranthene	12.801	202	862991	33.364	ng		99
78) Pyrene	13.030	202	793524	40.991	ng		100
81) Benzo(a)anthracene	14.230	228	321039	19.235	ng		96
83) Chrysene	14.265	228	292129	18.319	ng		97
84) Bis(2-ethylhexyl)phtha...	14.195	149	26774	2.863	ng	#	81
87) Indeno(1,2,3-cd)pyrene	17.436	276	115043	9.181	ng	#	92
88) Benzo(b)fluoranthene	15.342	252	316740m	24.572	ng		
89) Benzo(k)fluoranthene	15.371	252	104525m	8.103	ng		
90) Benzo(a)pyrene	15.742	252	223845	18.686	ng	#	92
91) Dibenzo(a,h)anthracene	17.454	278	29485	2.857	ng	#	55
92) Benzo(g,h,i)perylene	17.936	276	110372	10.414	ng		96

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

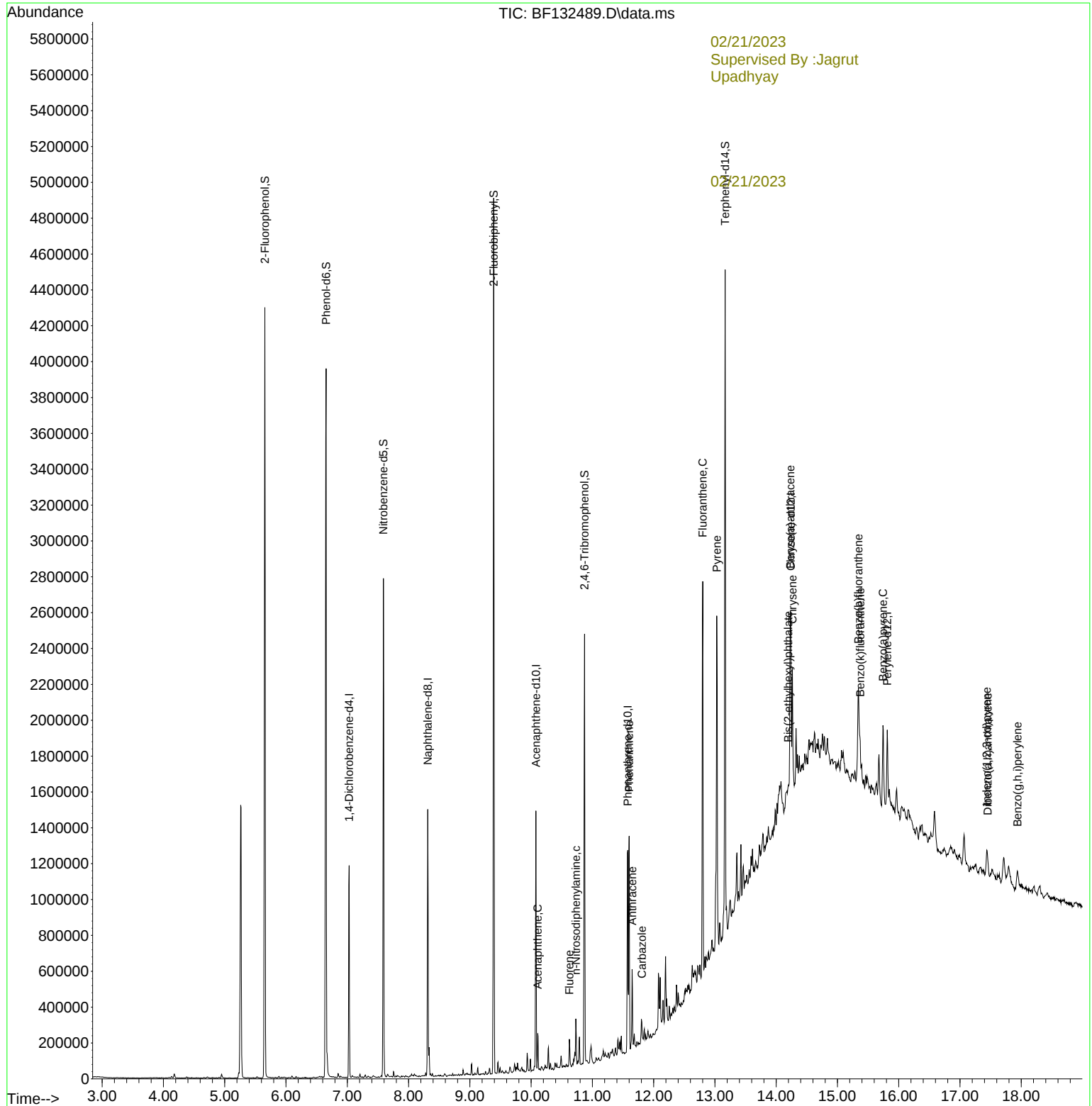
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132489.D
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ALS Vial : 20 Sample Multiplier: 1

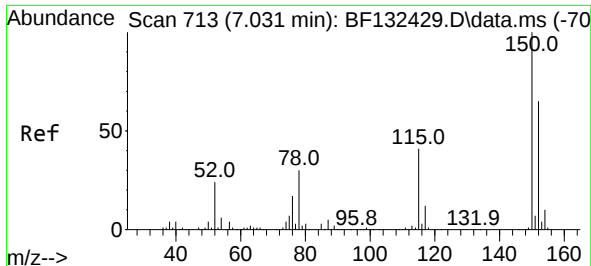
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Quant Time: Feb 21 00:05:48 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 20 13:34:28 2023
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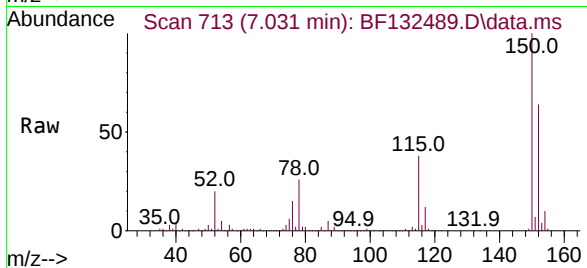
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.031 min Scan# 713
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

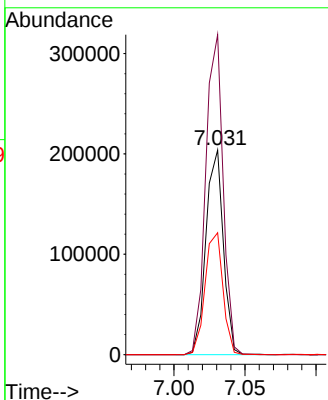
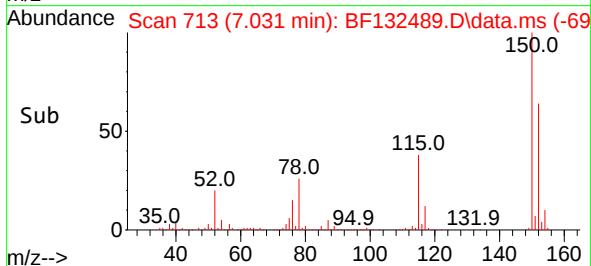
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0



Tgt Ion:152 Resp: 173318
Ion Ratio Lower Upper
152 100
150 156.4 123.8 185.8
115 59.5 50.4 75.6

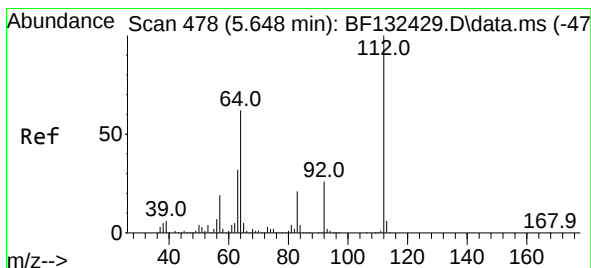
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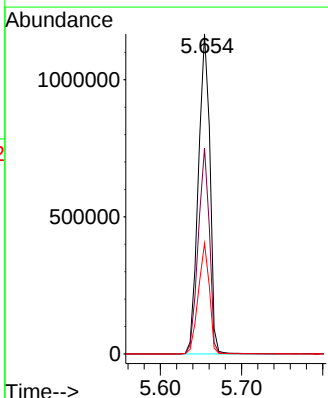
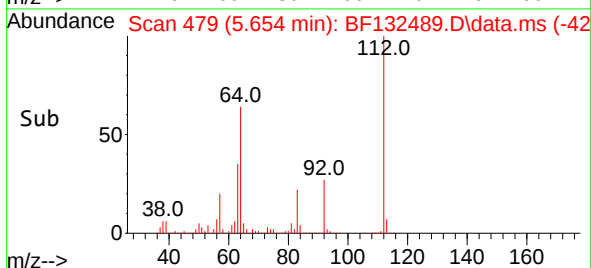
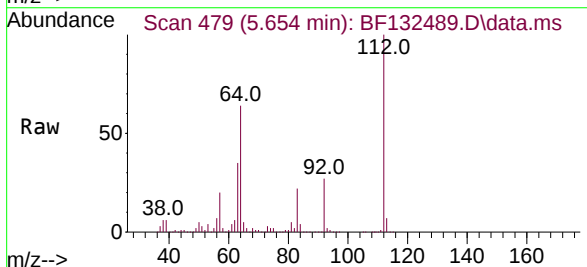
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Upadhyay

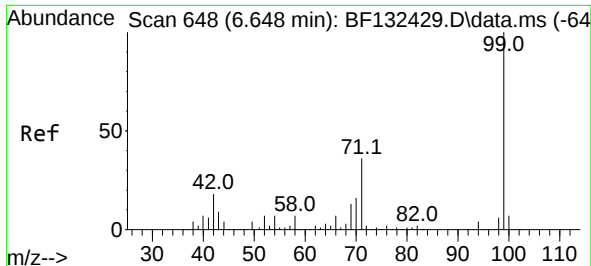
02/21/2023



#5
2-Fluorophenol
Concen: 106.402 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.012 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

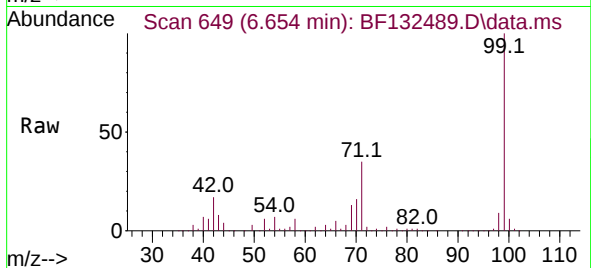
Tgt Ion:112 Resp: 1150884
Ion Ratio Lower Upper
112 100
64 64.3 49.7 74.5
63 34.6 25.8 38.8





#7
Phenol-d6
Concen: 101.545 ng
RT: 6.654 min Scan# 648
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

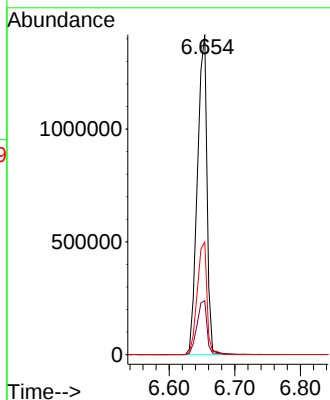
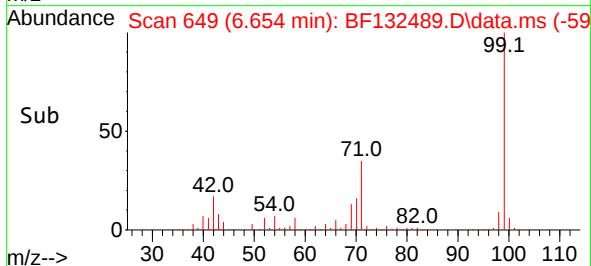
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0



Tgt Ion: 99 Resp: 1434190
Ion Ratio Lower Upper
99 100
42 16.8 14.6 21.8
71 35.2 28.7 43.1

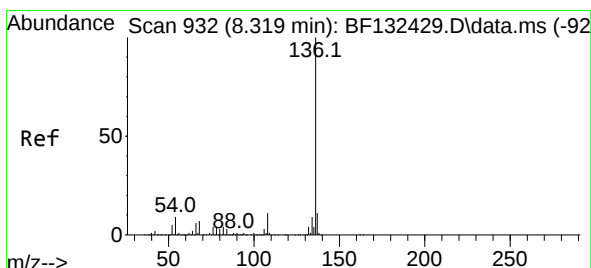
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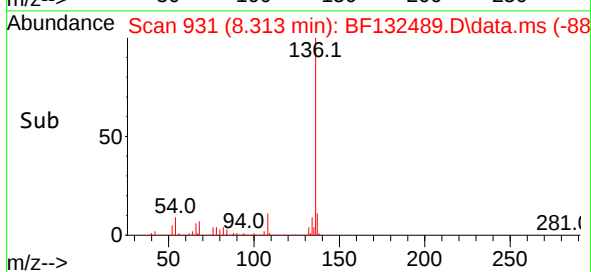
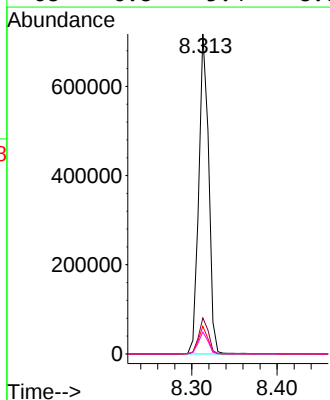
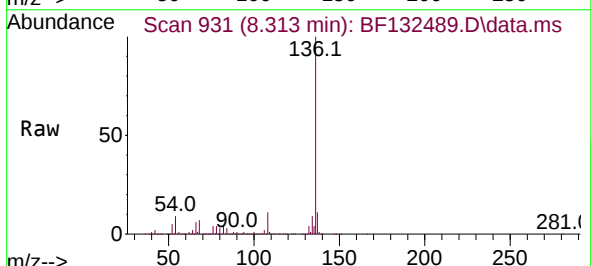
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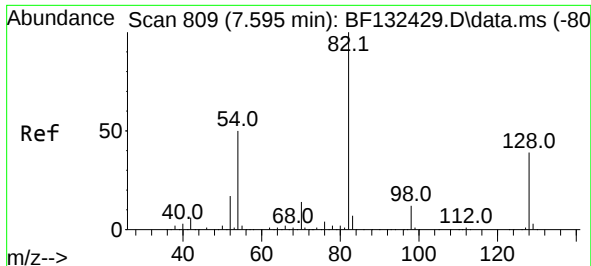
02/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. 0.000 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:136 Resp: 577457
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.6 6.9 10.3
68 6.8 5.4 8.0





#23

Nitrobenzene-d5

Concen: 74.416 ng

RT: 7.589 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0

Tgt Ion: 82 Resp: 894332

Ion Ratio Lower Upper

82 100

128 39.4 30.8 46.2

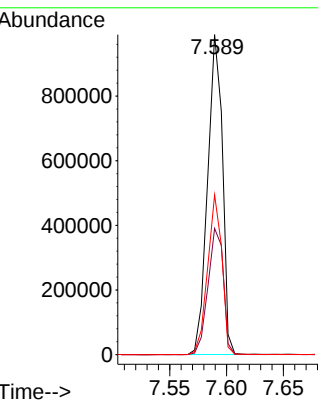
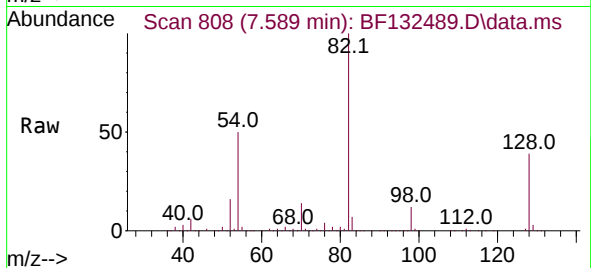
54 49.9 40.2 60.4

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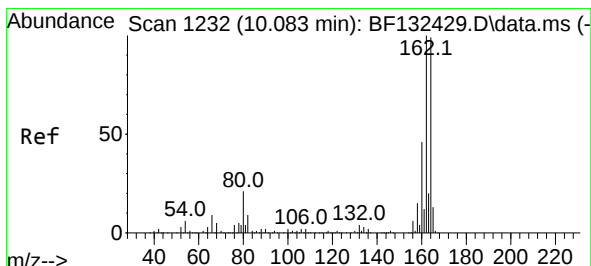
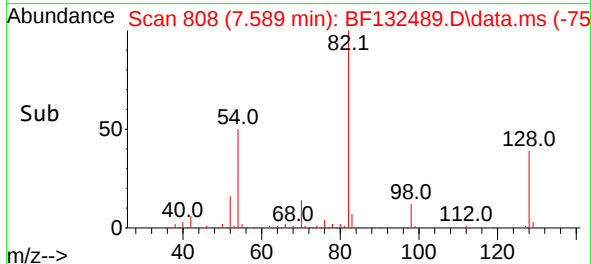
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.078 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

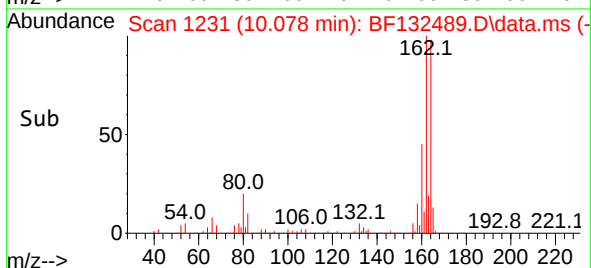
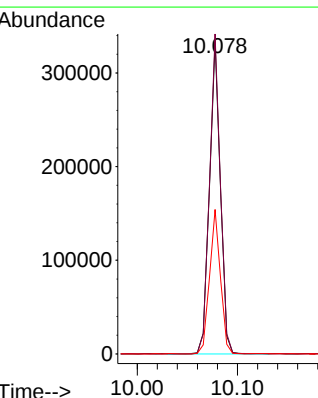
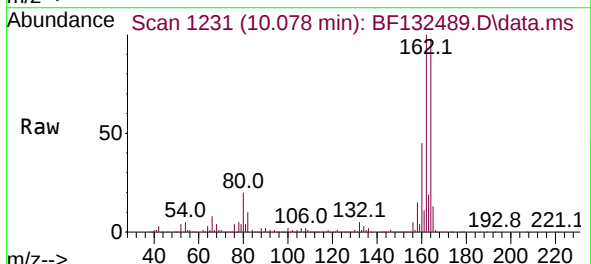
Tgt Ion:164 Resp: 253085

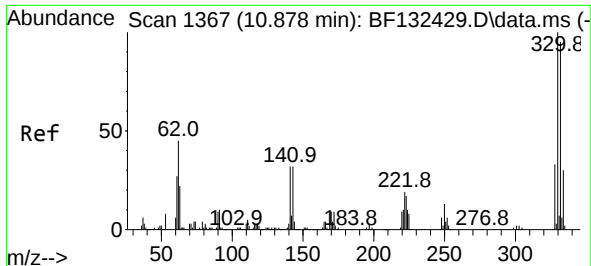
Ion Ratio Lower Upper

164 100

162 102.4 80.8 121.2

160 46.2 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 100.207 ng
RT: 10.872 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

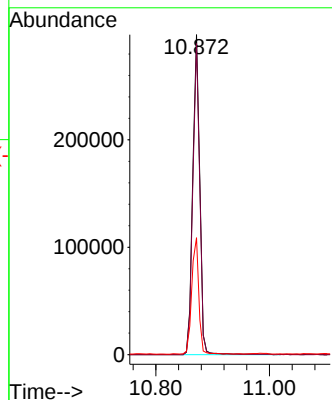
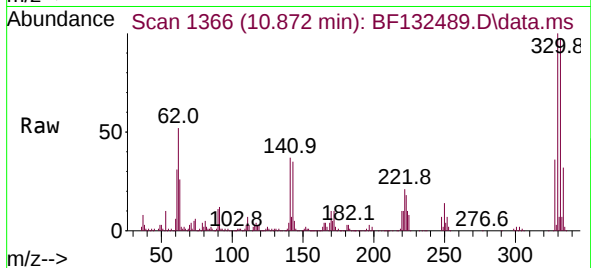
ClientSampleId :

SB-06-0-2.0

Tgt Ion:330 Resp: 253036
Ion Ratio Lower Upper
330 100
332 95.6 76.3 114.5
141 36.9 30.3 45.5

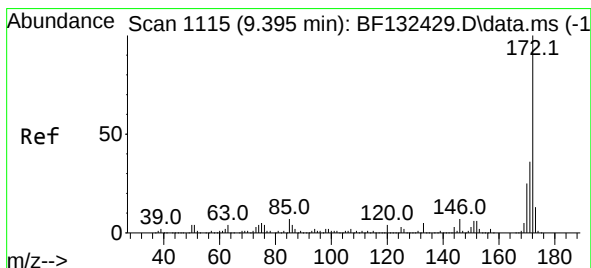
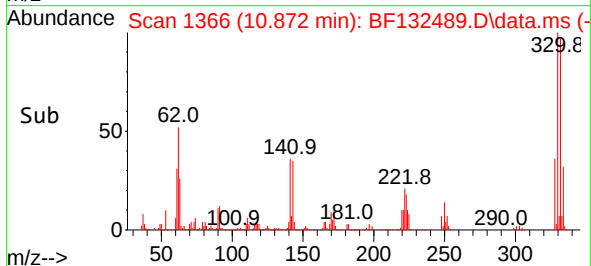
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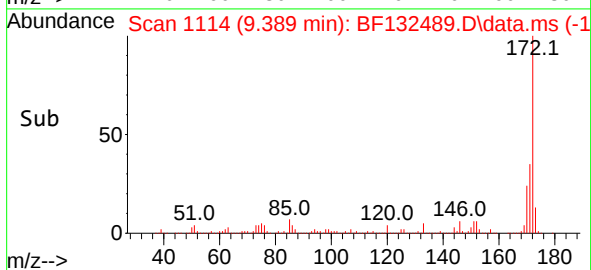
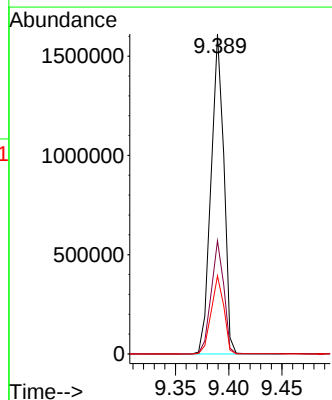
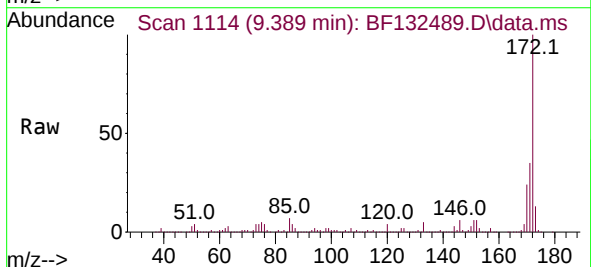
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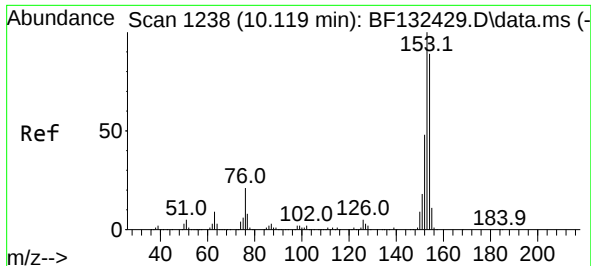
02/21/2023



#45
2-Fluorobiphenyl
Concen: 82.262 ng
RT: 9.389 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:172 Resp: 1348138
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 24.4 19.9 29.9





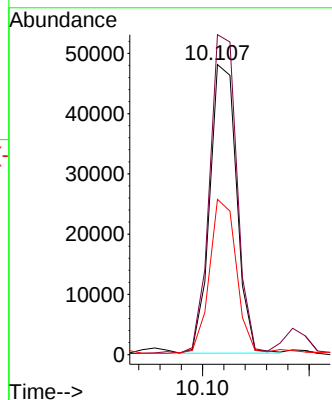
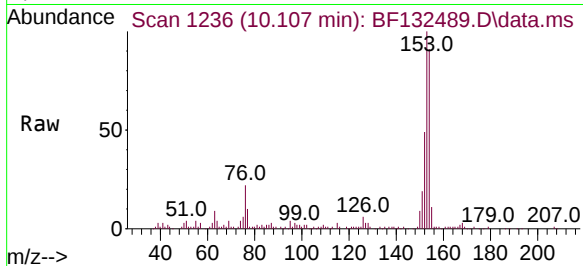
#52
Acenaphthene
Concen: 2.757 ng
RT: 10.107 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

Tgt Ion:154 Resp: 41905
Ion Ratio Lower Upper
154 100
153 110.4 89.7 134.5
152 53.5 43.4 65.0

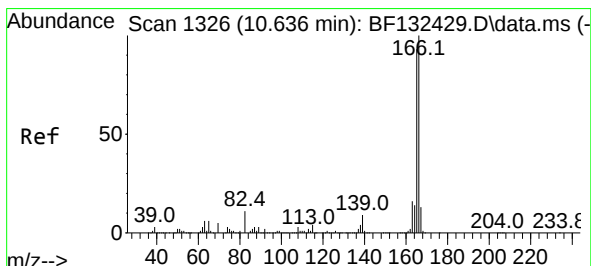
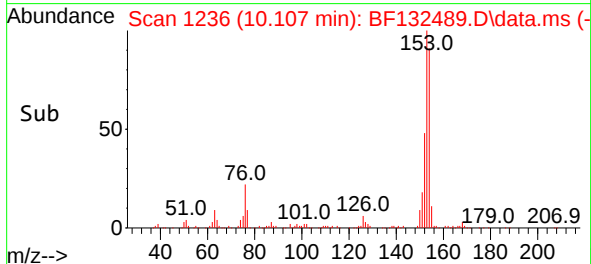
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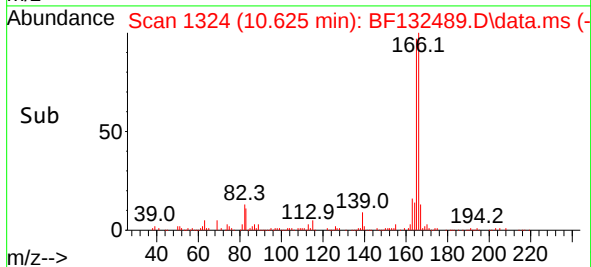
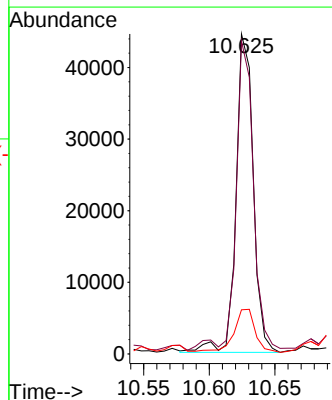
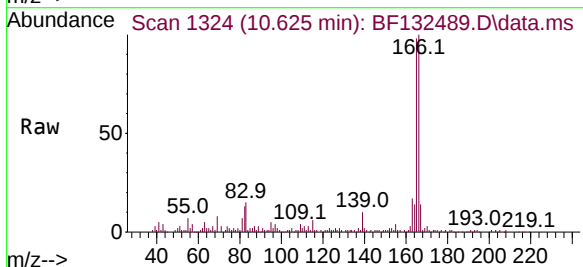
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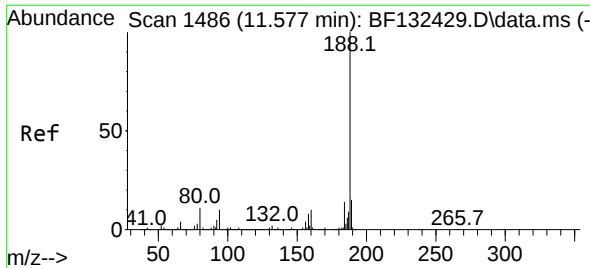
02/21/2023



#58
Fluorene
Concen: 2.372 ng
RT: 10.625 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

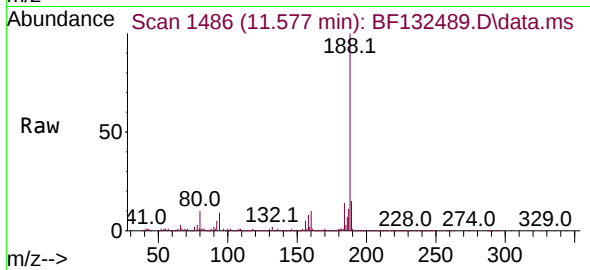
Tgt Ion:166 Resp: 40451
Ion Ratio Lower Upper
166 100
165 97.8 74.6 111.8
167 13.8 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.577 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

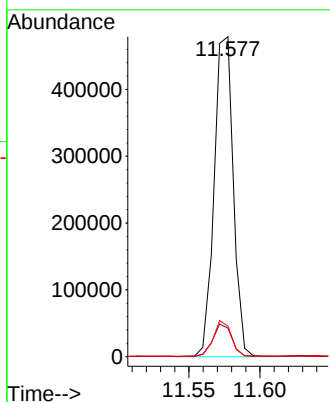
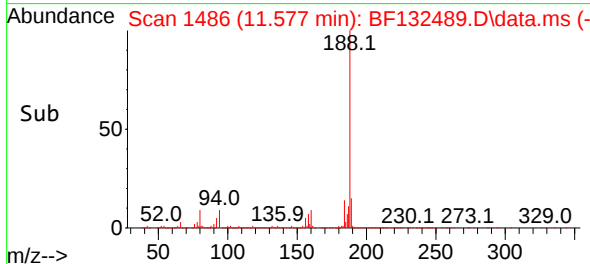
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0



Tgt Ion:188 Resp: 450332
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 9.5 8.6 12.8

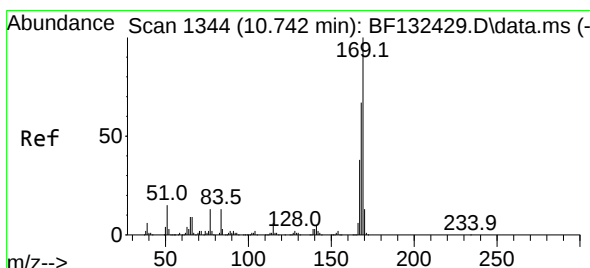
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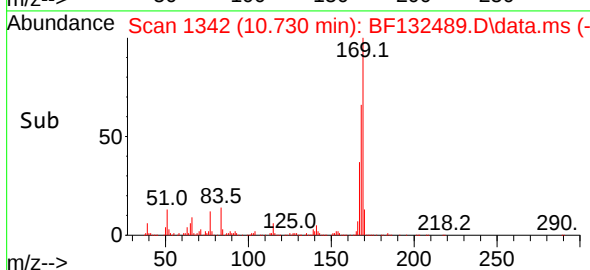
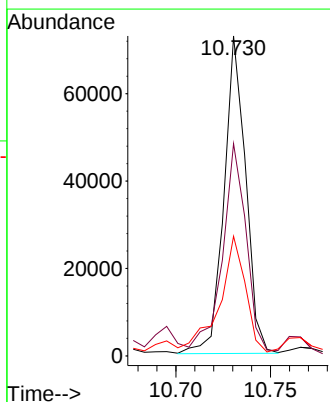
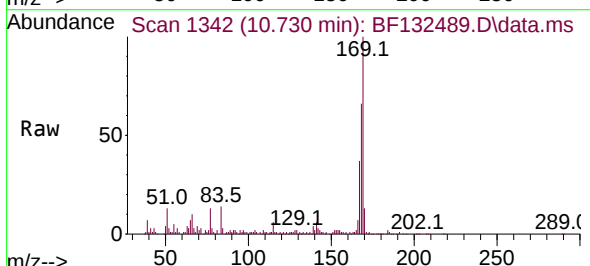
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Supervised By :Jagrut
Upadhyay

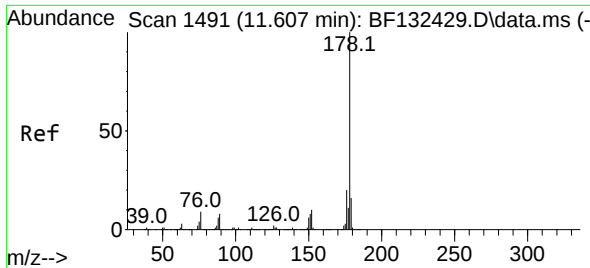
02/21/2023



#66
n-Nitrosodiphenylamine
Concen: 4.186 ng
RT: 10.730 min Scan# 1342
Delta R.T. -0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Tgt Ion:169 Resp: 57863
Ion Ratio Lower Upper
169 100
168 66.3 53.5 80.3
167 37.4 30.2 45.2





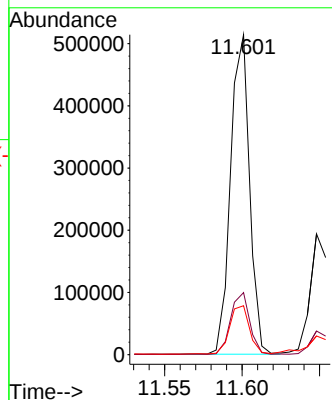
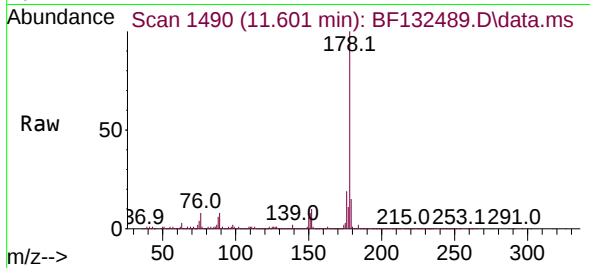
#71
Phenanthrene
Concen: 18.872 ng
RT: 11.601 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0

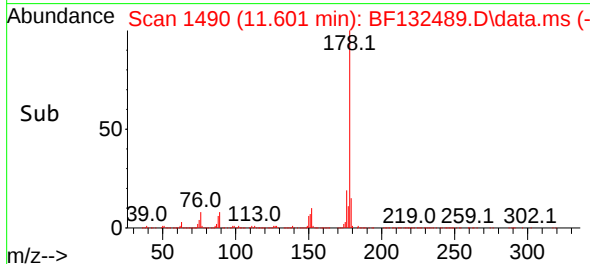
Tgt Ion:178 Resp: 437710
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 15.3 12.6 18.8

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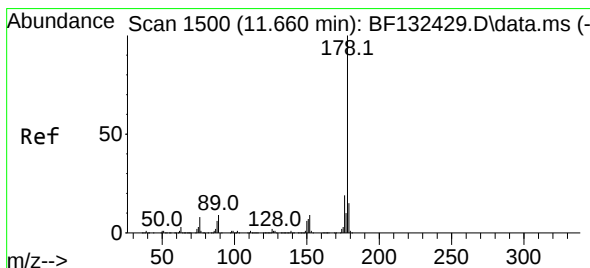
Reviewed By :Christian Giraldo 02/21/2023
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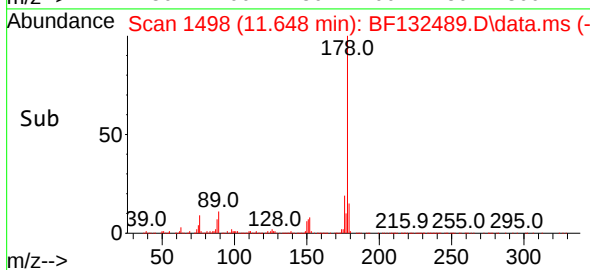
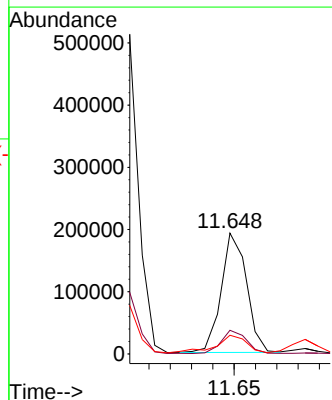
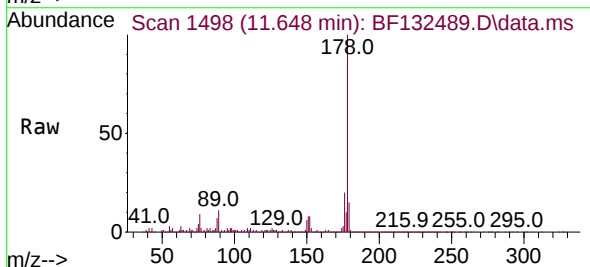


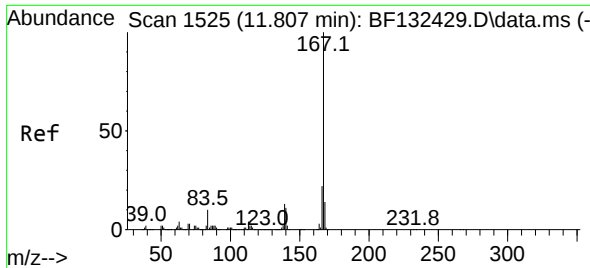
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#72
Anthracene
Concen: 6.697 ng
RT: 11.648 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

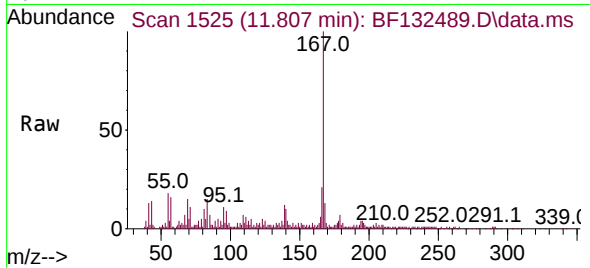
Tgt Ion:178 Resp: 159679
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.4 12.4 18.6





#73
 Carbazole
 Concen: 2.055 ng
 RT: 11.807 min Scan# 1525
 Delta R.T. 0.006 min
 Lab File: BF132489.D
 Acq: 20 Feb 2023 20:43

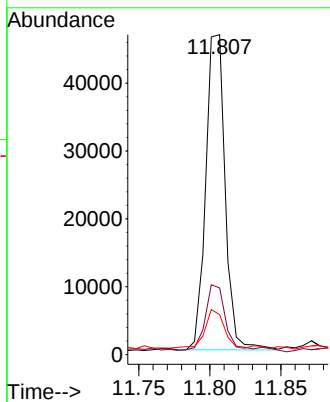
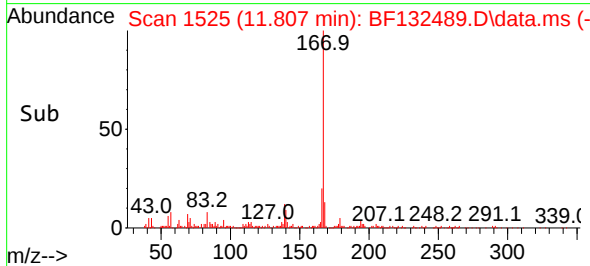
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0



Tgt Ion:167 Resp: 44096
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.8 26.8
 139 12.5 10.7 16.1

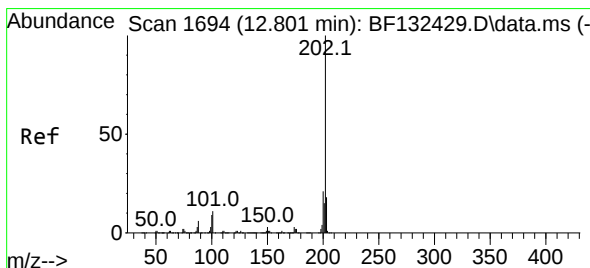
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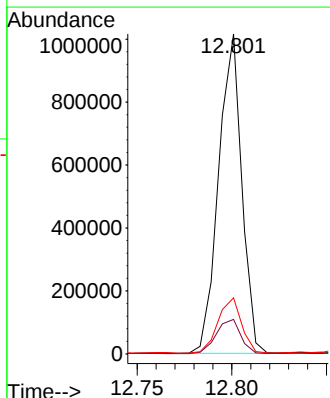
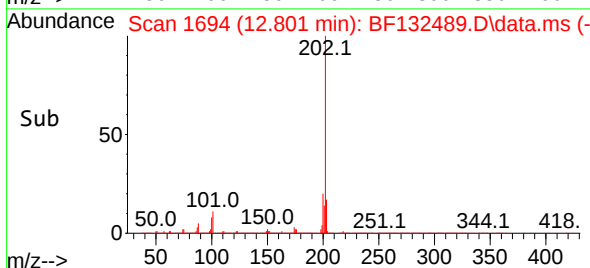
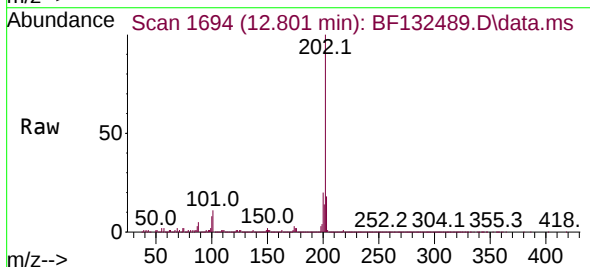
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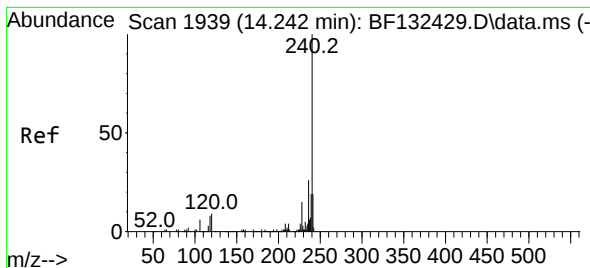
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#75
 Fluoranthene
 Concen: 33.364 ng
 RT: 12.801 min Scan# 1694
 Delta R.T. 0.006 min
 Lab File: BF132489.D
 Acq: 20 Feb 2023 20:43

Tgt Ion:202 Resp: 862991
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.3
 203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.236 min Scan# 1939

Delta R.T. 0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

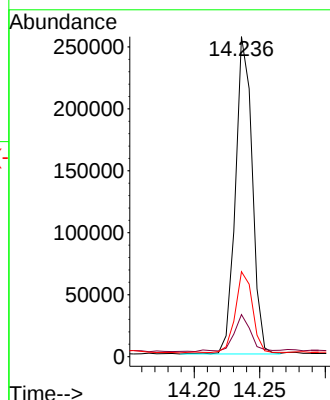
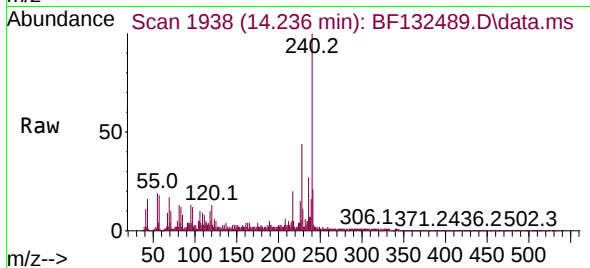
ClientSampleId :

SB-06-0-2.0

Tgt Ion:240 Resp: 227884
 Ion Ratio Lower Upper
 240 100
 120 13.1 7.5 11.3
 236 26.5 21.0 31.6

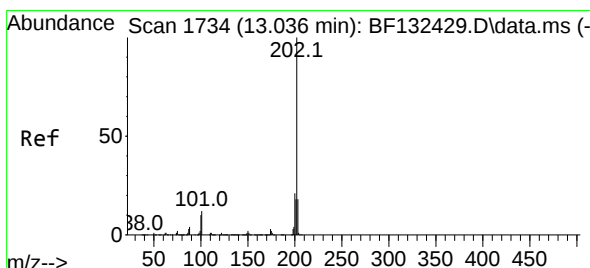
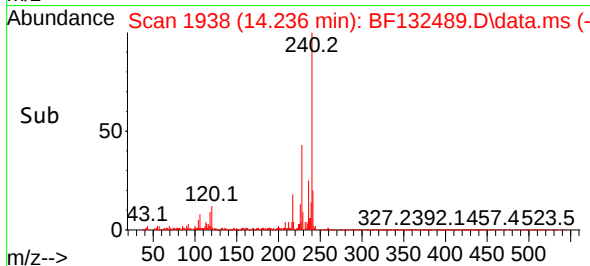
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#78

Pyrene

Concen: 40.991 ng

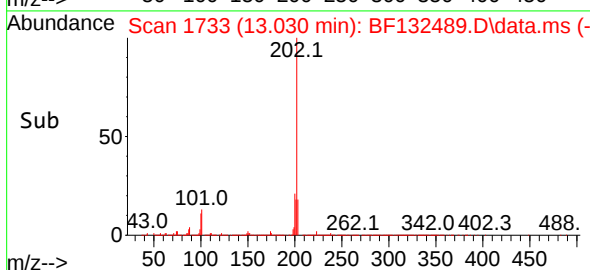
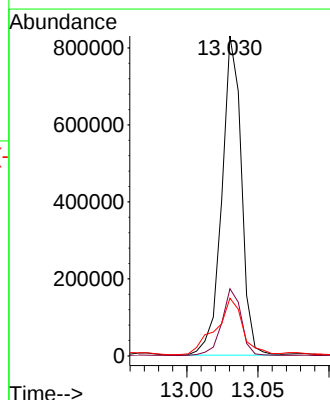
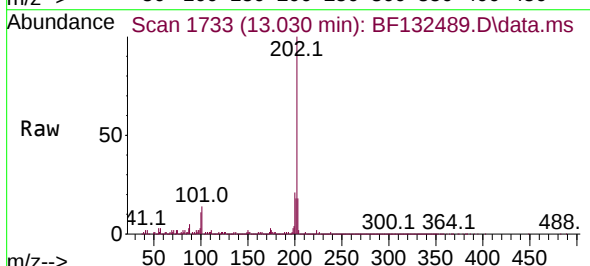
RT: 13.030 min Scan# 1733

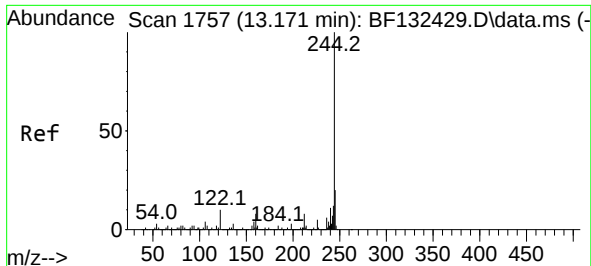
Delta R.T. 0.006 min

Lab File: BF132489.D

Acq: 20 Feb 2023 20:43

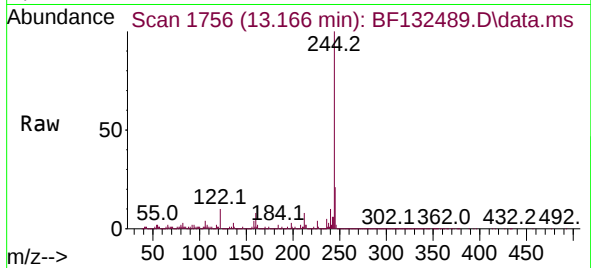
Tgt Ion:202 Resp: 793524
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 25.0
 203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 100.985 ng
 RT: 13.166 min Scan# 1756
 Delta R.T. 0.006 min
 Lab File: BF132489.D
 Acq: 20 Feb 2023 20:43

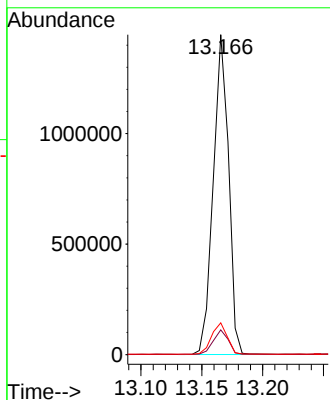
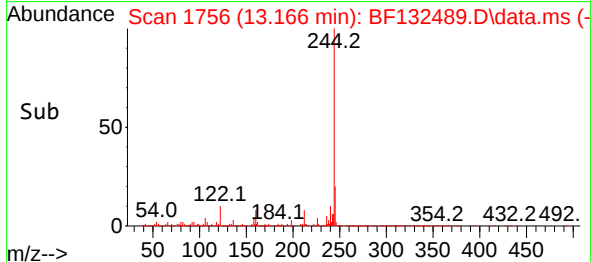
Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0



Tgt Ion:244 Resp: 1263612
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.7 10.1
 122 9.9 7.7 11.5

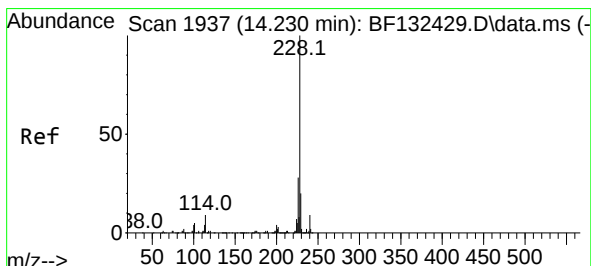
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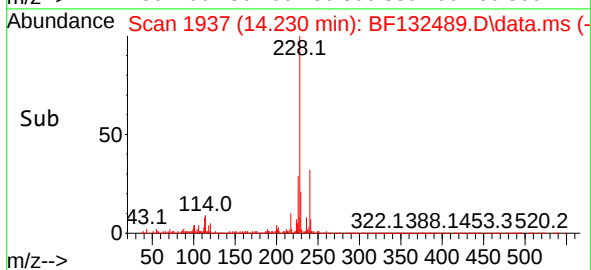
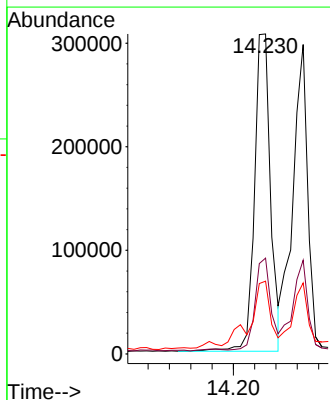
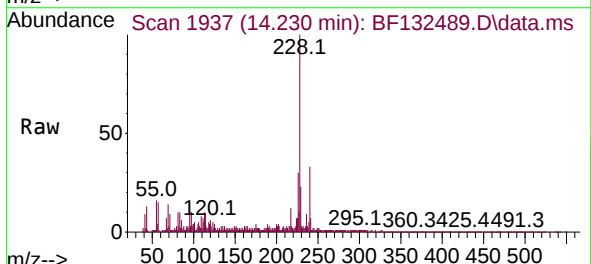
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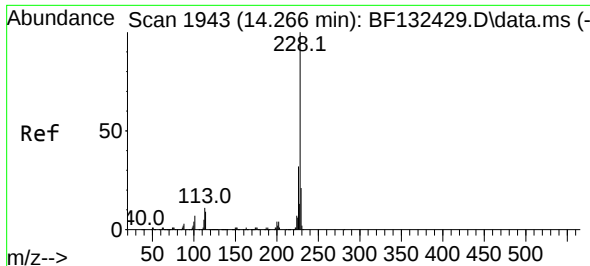
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#81
 Benzo(a)anthracene
 Concen: 19.235 ng
 RT: 14.230 min Scan# 1937
 Delta R.T. 0.012 min
 Lab File: BF132489.D
 Acq: 20 Feb 2023 20:43

Tgt Ion:228 Resp: 321039
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 34.0
 229 22.7 16.2 24.4





#83
Chrysene
Concen: 18.319 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

Instrument :

BNA_F

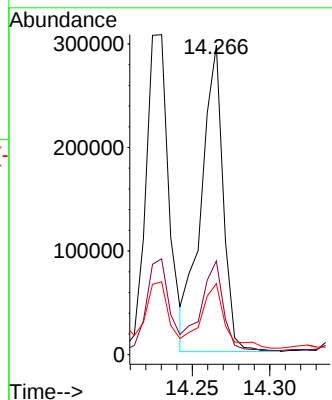
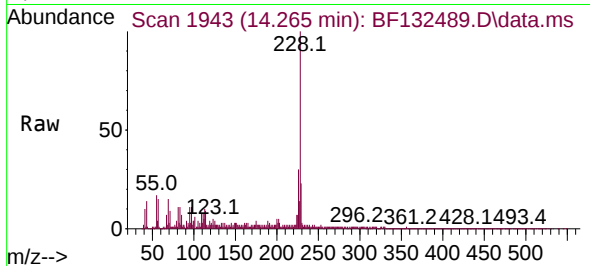
ClientSampleId :

SB-06-0-2.0

Tgt Ion:228 Resp: 292129
Ion Ratio Lower Upper
228 100
226 30.3 25.4 38.2
229 23.0 16.6 25.0

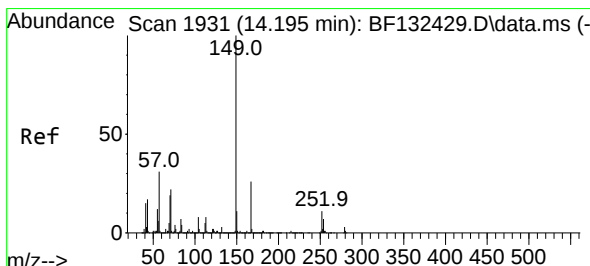
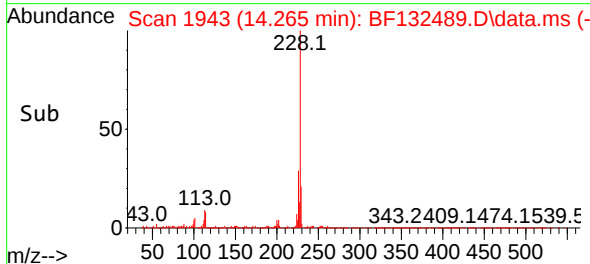
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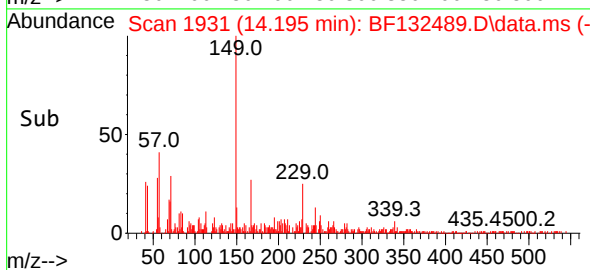
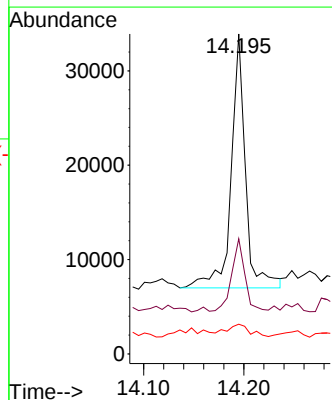
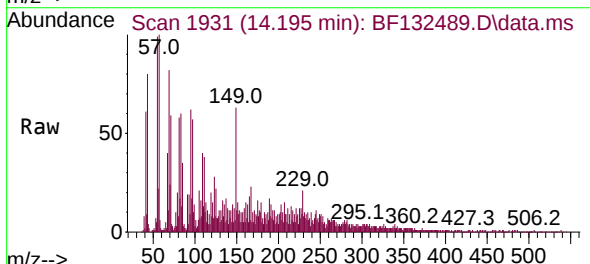
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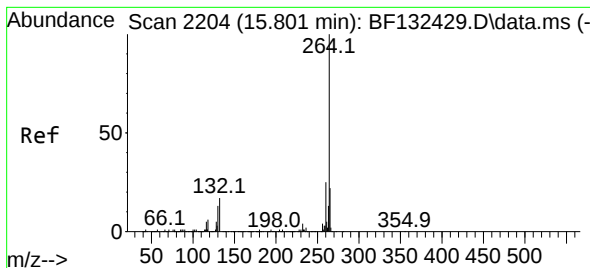
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.863 ng
RT: 14.195 min Scan# 1931
Delta R.T. 0.006 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

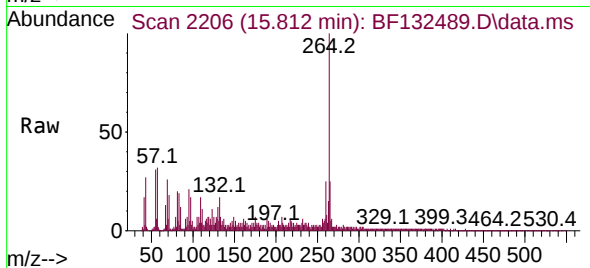
Tgt Ion:149 Resp: 26774
Ion Ratio Lower Upper
149 100
167 36.0 21.0 31.6#
279 9.3 2.5 3.7#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.812 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

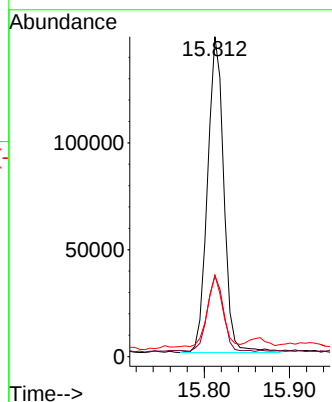
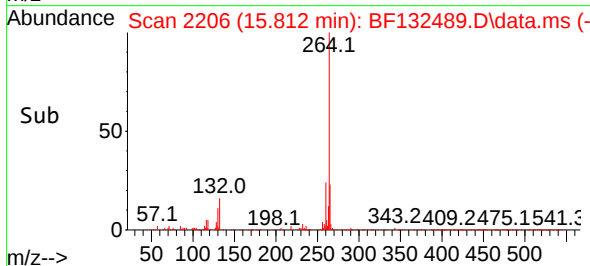
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0



Tgt Ion:264 Resp: 196019
Ion Ratio Lower Upper
264 100
260 25.2 20.0 30.0
265 25.5 17.2 25.8

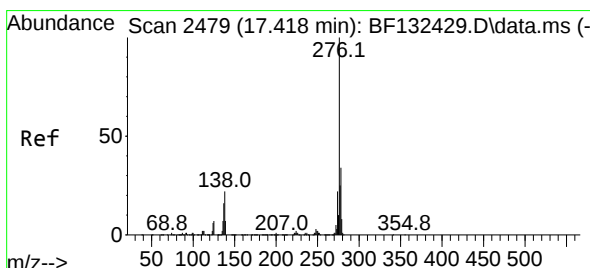
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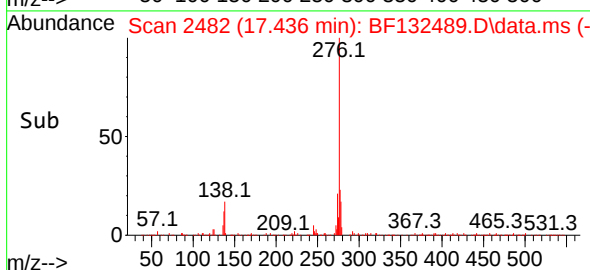
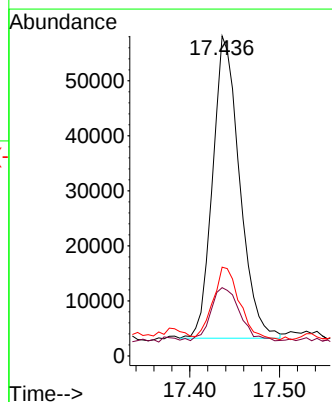
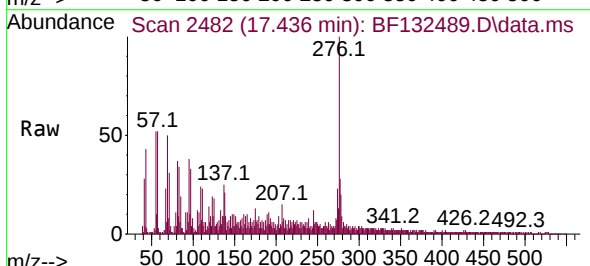
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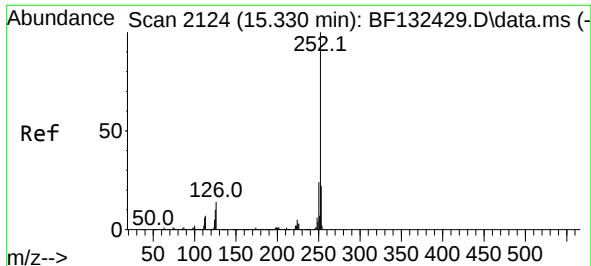
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#87
Indeno(1,2,3-cd)pyrene
Concen: 9.181 ng
RT: 17.436 min Scan# 2482
Delta R.T. 0.035 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

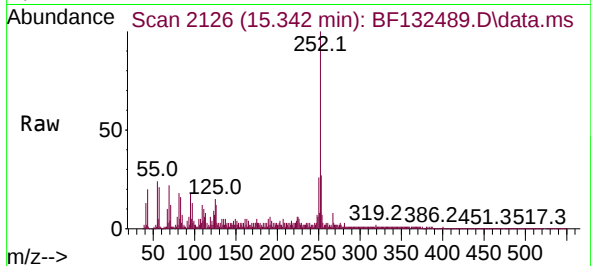
Tgt Ion:276 Resp: 115043
Ion Ratio Lower Upper
276 100
138 18.6 20.2 30.4#
277 24.0 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 24.572 ng m
RT: 15.342 min Scan# 2124
Delta R.T. 0.024 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

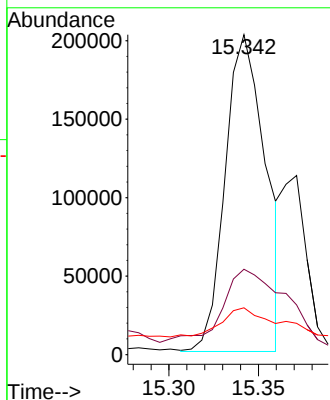
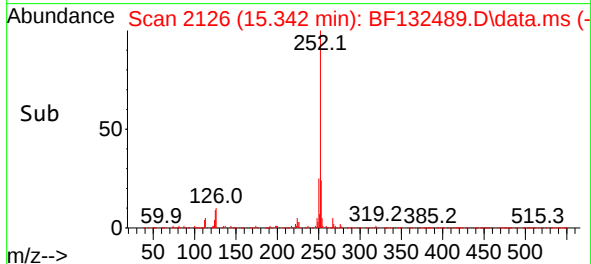
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0



Tgt Ion:252 Resp: 316740
Ion Ratio Lower Upper
252 100
253 26.7 17.8 26.8
125 14.6 7.6 11.4

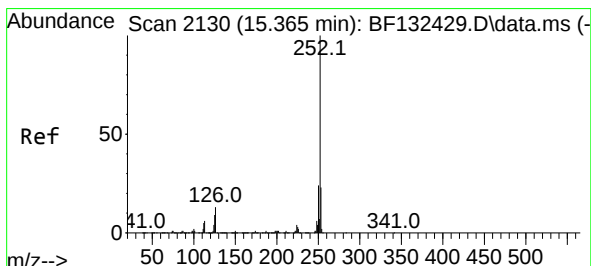
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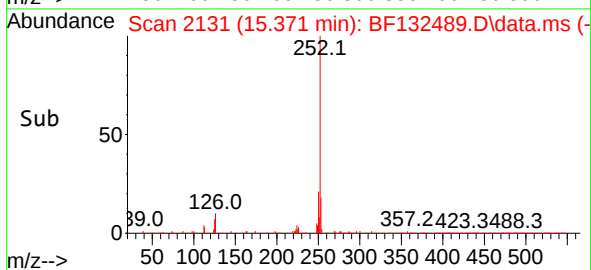
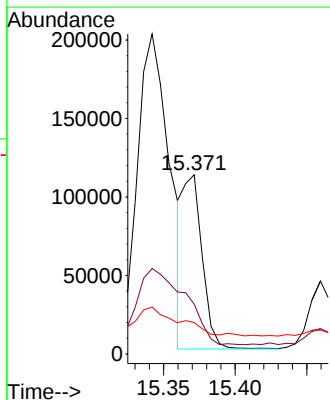
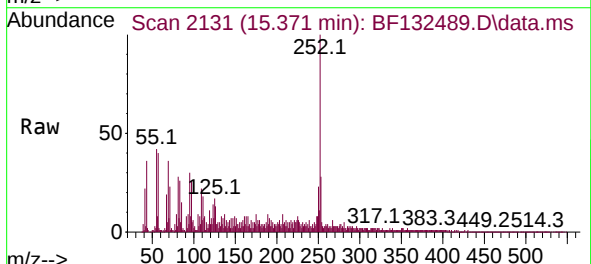
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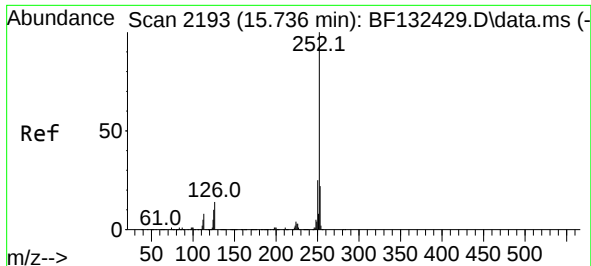
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#89
Benzo(k)fluoranthene
Concen: 8.103 ng m
RT: 15.371 min Scan# 2131
Delta R.T. 0.018 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

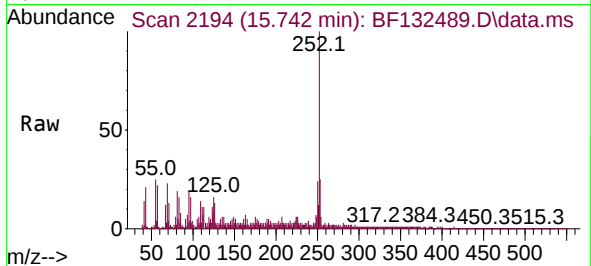
Tgt Ion:252 Resp: 104525
Ion Ratio Lower Upper
252 100
253 27.7 18.2 27.2#
125 17.5 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 18.686 ng
RT: 15.742 min Scan# 2194
Delta R.T. 0.024 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

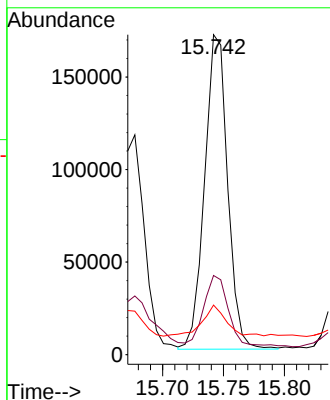
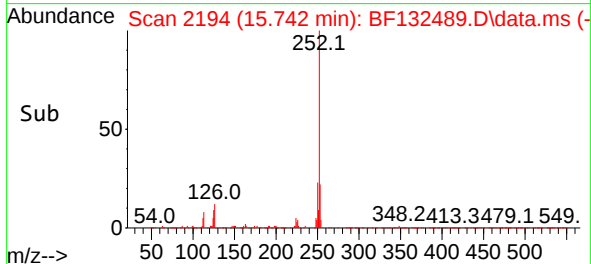
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0



Tgt Ion:252 Resp: 223845
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 15.5 8.2 12.4

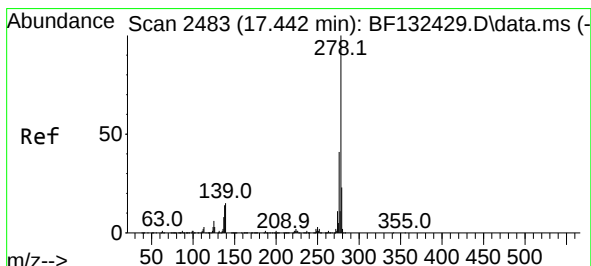
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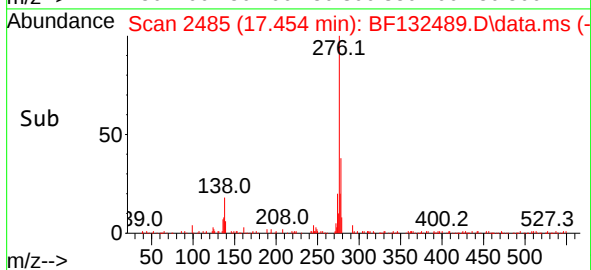
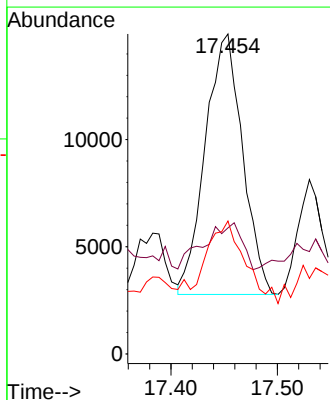
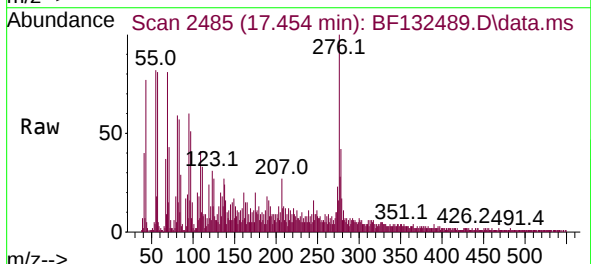
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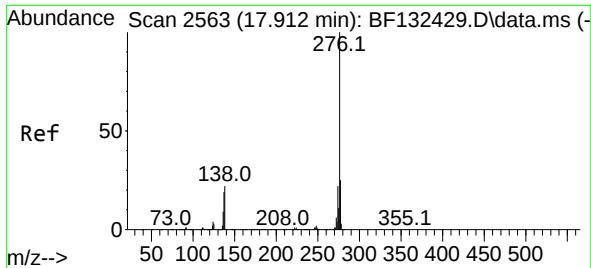
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#91
Dibenzo(a,h)anthracene
Concen: 2.857 ng
RT: 17.454 min Scan# 2485
Delta R.T. 0.035 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

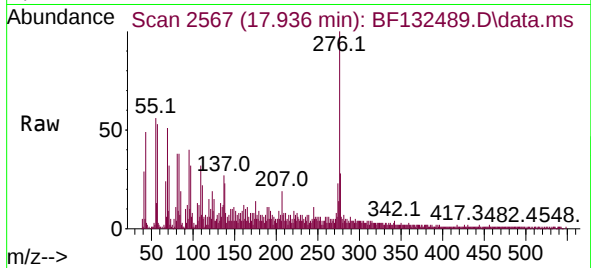
Tgt Ion:278 Resp: 29485
Ion Ratio Lower Upper
278 100
139 39.4 12.2 18.2#
279 41.5 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 10.414 ng
RT: 17.936 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF132489.D
Acq: 20 Feb 2023 20:43

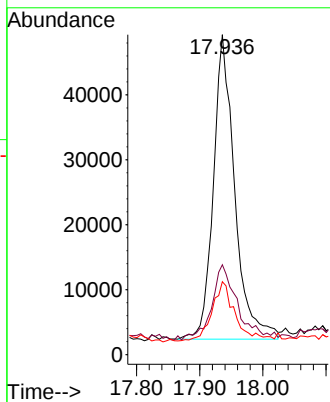
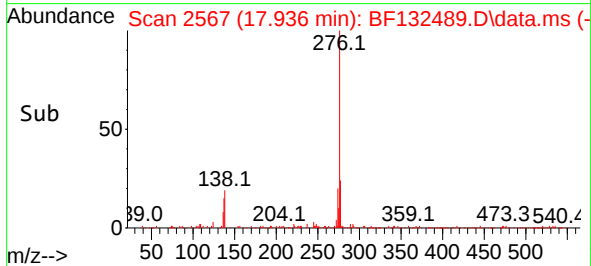
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0



Tgt Ion:	276	Resp:	110372
Ion Ratio	Lower	Upper	
276	100		
277	28.1	19.6	29.4
138	22.8	17.7	26.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



02/21/2023
Supervised By :Jagrut
Upadhyay

02/21/2023