

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
 Data File : BF130011.D
 Acq On : 25 Aug 2022 21:41
 Operator : CG\JU
 Sample : N4303-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/26/2022
 Supervised By : Jagrut Upadhyay 08/26/2022

Quant Time: Aug 26 01:05:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	95152	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	308527	20.000	ng	# 0.00
39) Acenaphthene-d10	9.804	164	149758	20.000	ng	0.01
64) Phenanthrene-d10	11.292	188	253045	20.000	ng	# 0.01
76) Chrysene-d12	13.939	240	224541	20.000	ng	0.01
86) Perylene-d12	15.380	264	165186	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	568320	98.891	ng	0.00
7) Phenol-d6	6.416	99	656043	91.158	ng	0.00
23) Nitrobenzene-d5	7.328	82	378319	65.641	ng	0.00
42) 2,4,6-Tribromophenol	10.598	330	138794	92.342	ng	0.01
45) 2-Fluorobiphenyl	9.116	172	578699	58.690	ng	0.00
79) Terphenyl-d14	12.886	244	776794	57.563	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.063	128	149356	9.259	ng	# 63
37) 2-Methylnaphthalene	8.763	142	372273	35.161	ng	100
38) 1-Methylnaphthalene	8.857	142	276456	26.867	ng	97
46) 1,1'-Biphenyl	9.222	154	143941	12.652	ng	99
58) Fluorene	10.351	166	78817	7.587	ng	# 84
71) Phenanthrene	11.316	178	156746m	11.091	ng	
75) Fluoranthene	12.516	202	44265	3.061	ng	85
78) Pyrene	12.751	202	78519	4.024	ng	# 95
88) Benzo(b)fluoranthene	14.963	252	24038m	2.125	ng	

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

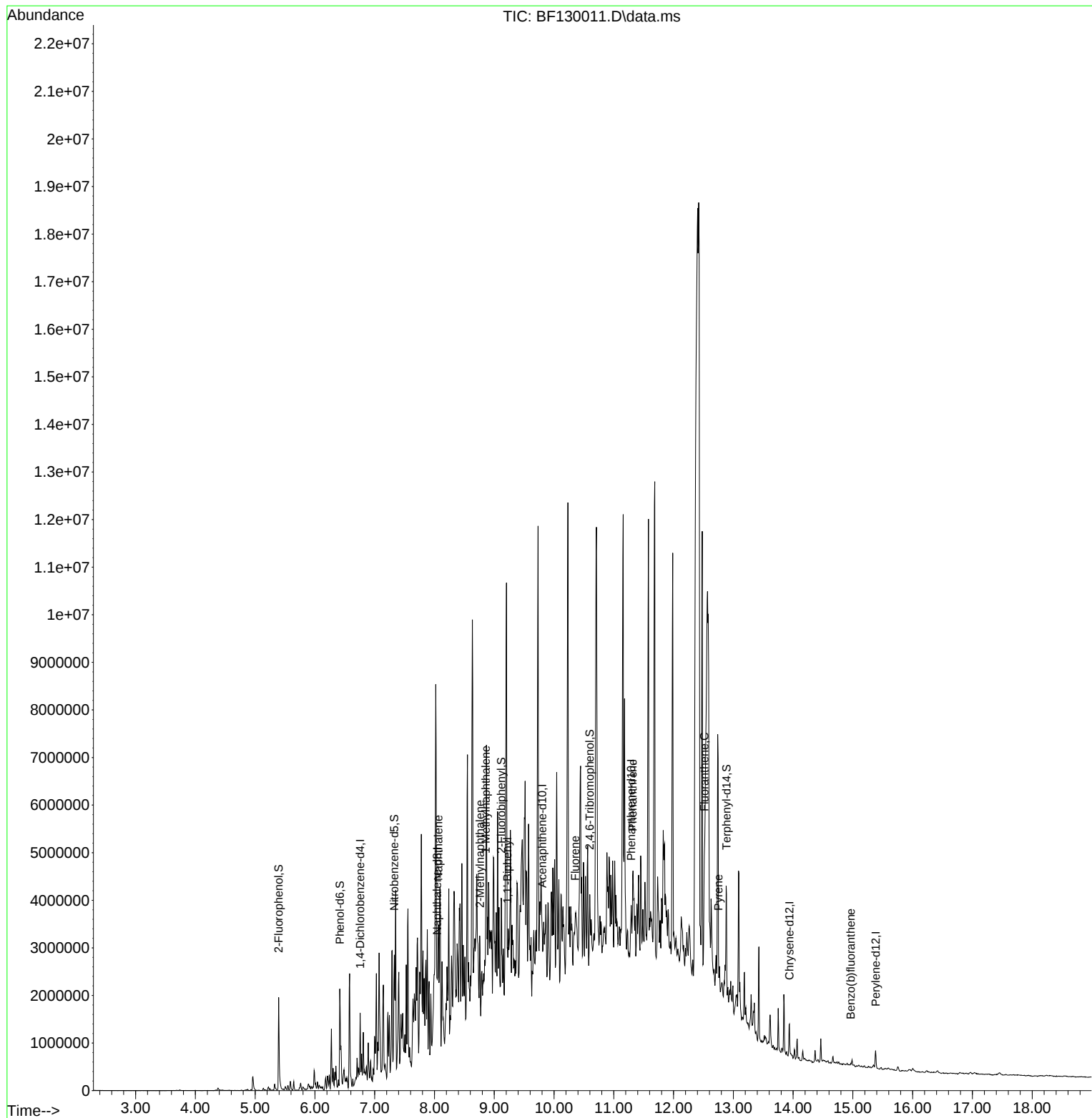
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082522\
Data File : BF130011.D
Acq On : 25 Aug 2022 21:41
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ALS Vial : 19 Sample Multiplier: 1

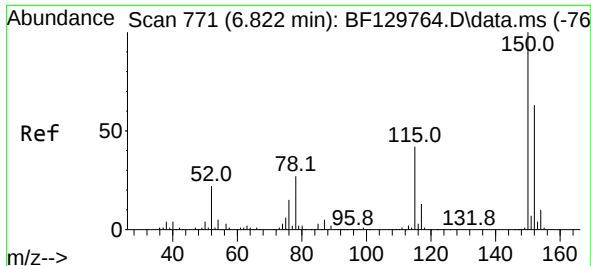
Instrument :
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Quant Time: Aug 26 01:05:10 2022
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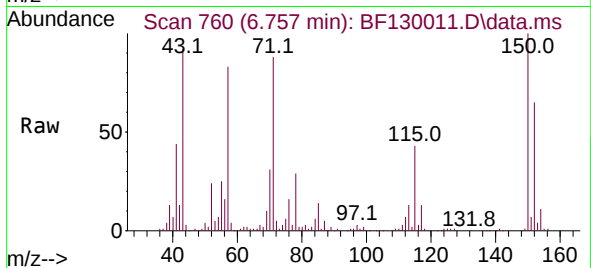
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

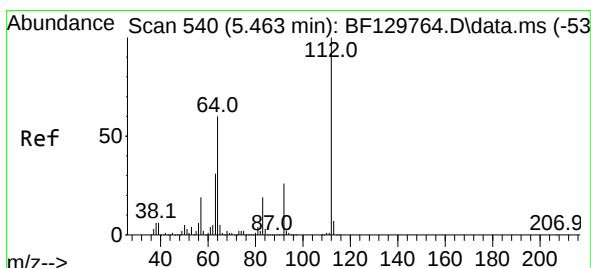
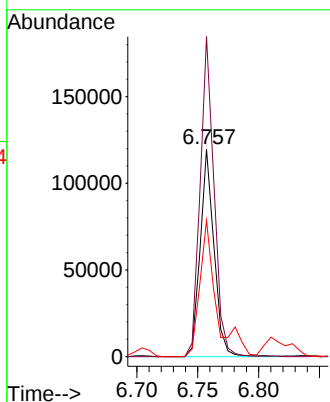
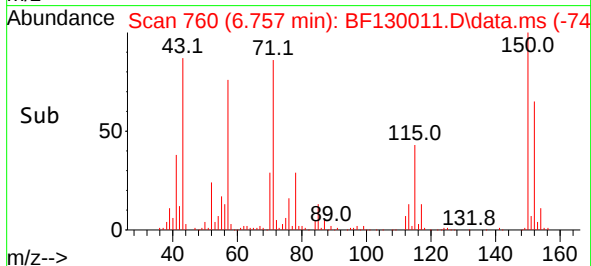
Instrument :
BNA_F
ClientSampleId :
DRUM-1-9



Tgt Ion:152 Resp: 95152
Ion Ratio Lower Upper
152 100
150 154.3 126.9 190.3
115 65.6 53.4 80.0

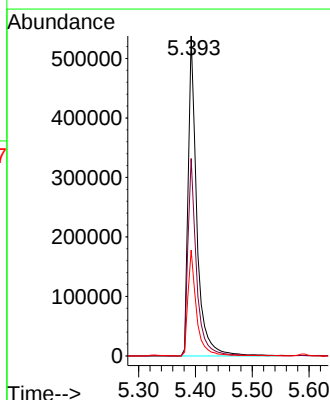
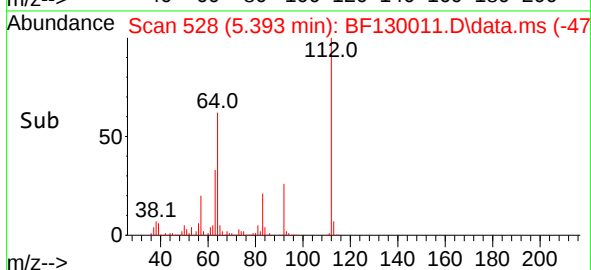
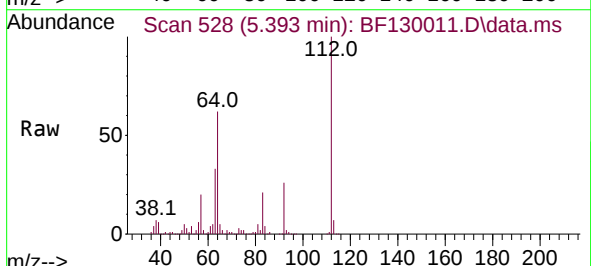
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#5
2-Fluorophenol
Concen: 98.891 ng
RT: 5.393 min Scan# 528
Delta R.T. -0.000 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

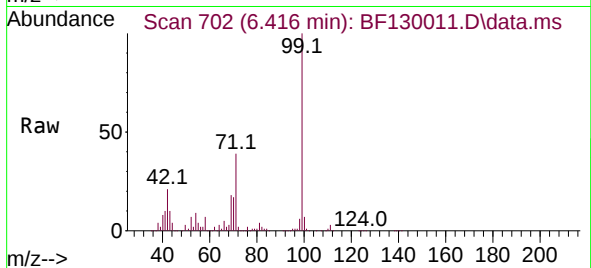
Tgt Ion:112 Resp: 568320
Ion Ratio Lower Upper
112 100
64 61.7 47.6 71.4
63 33.0 24.6 37.0





#7
Phenol-d6
Concen: 91.158 ng
RT: 6.416 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

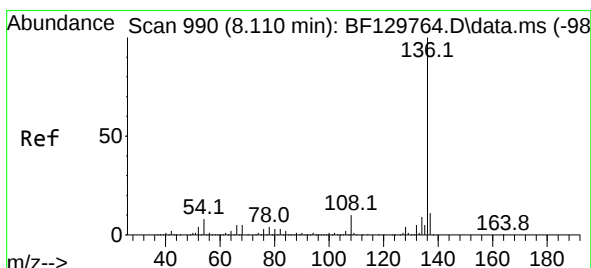
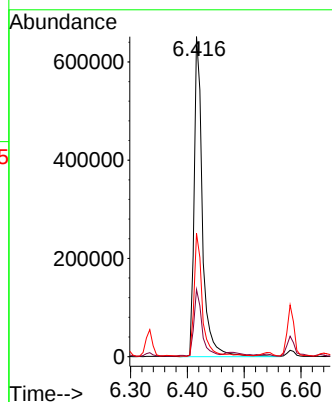
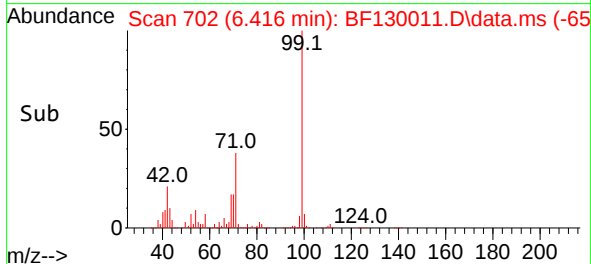
Instrument :
BNA_F
ClientSampleId :
DRUM-1-9



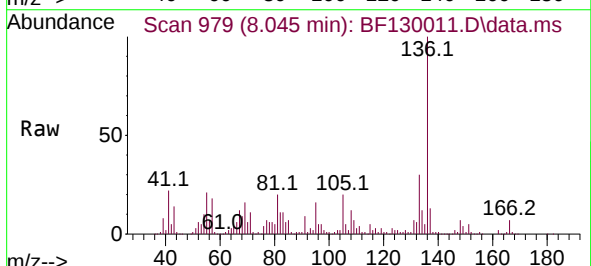
Tgt Ion: 99 Resp: 656043
Ion Ratio Lower Upper
99 100
42 21.0 15.0 22.4
71 38.6 28.8 43.2

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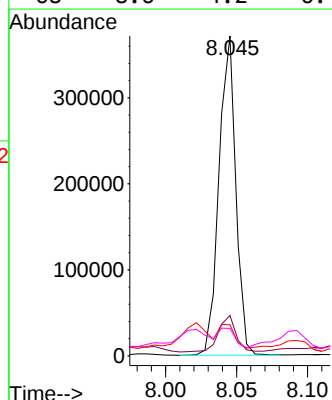
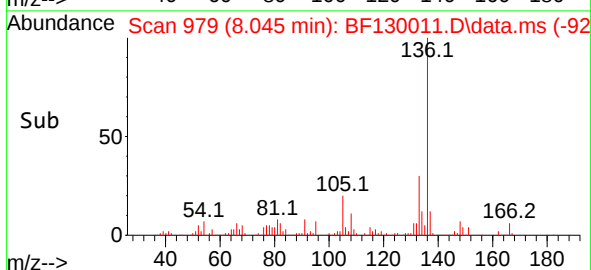
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022

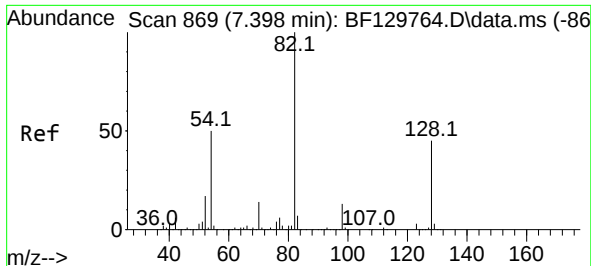


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 979
Delta R.T. 0.006 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41



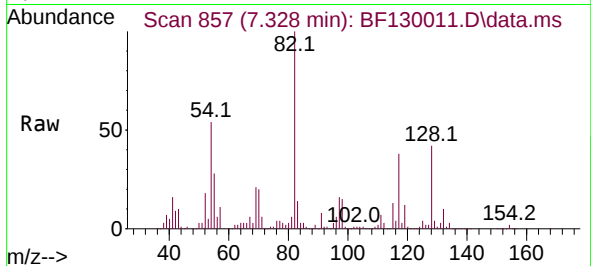
Tgt Ion:136 Resp: 308527
Ion Ratio Lower Upper
136 100
137 12.6 8.4 12.6#
54 9.7 6.2 9.2#
68 8.6 4.2 6.4#





#23
Nitrobenzene-d5
Concen: 65.641 ng
RT: 7.328 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

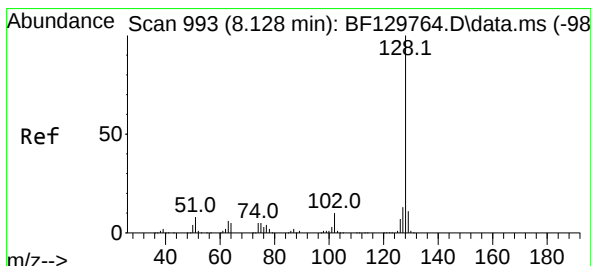
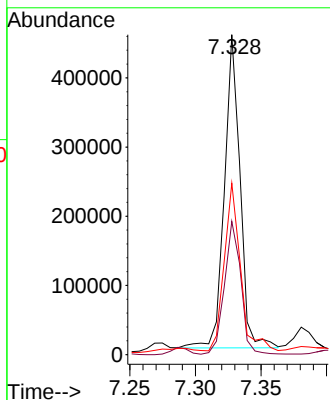
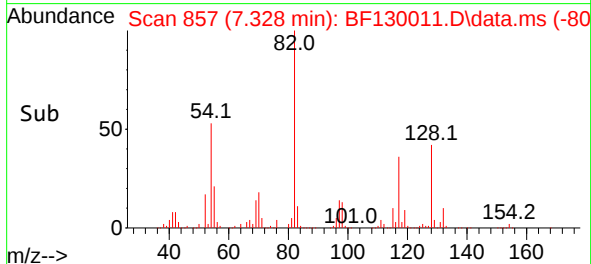
Instrument :
BNA_F
ClientSampleId :
DRUM-1-9



Tgt Ion: 82 Resp: 378319
Ion Ratio Lower Upper
82 100
128 41.6 36.1 54.1
54 53.6 40.0 60.0

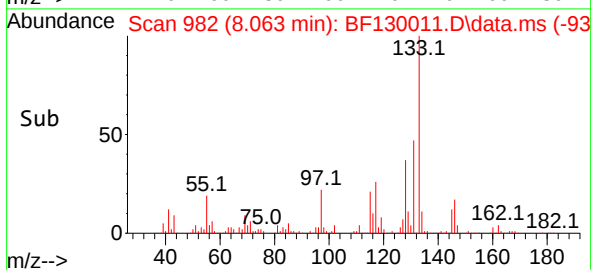
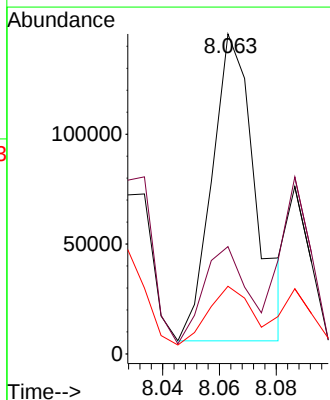
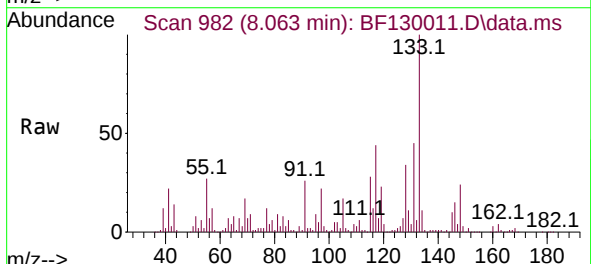
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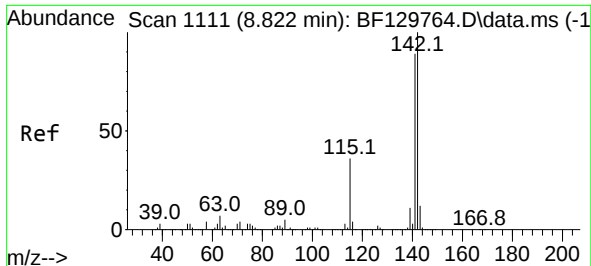
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#31
Naphthalene
Concen: 9.259 ng
RT: 8.063 min Scan# 982
Delta R.T. -0.000 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

Tgt Ion:128 Resp: 149356
Ion Ratio Lower Upper
128 100
129 33.6 8.9 13.3#
127 21.1 10.7 16.1#





#37

2-Methylnaphthalene

Concen: 35.161 ng

RT: 8.763 min Scan# 1111

Delta R.T. 0.012 min

Lab File: BF130011.D

Acq: 25 Aug 2022 21:41

Instrument :

BNA_F

ClientSampleId :

DRUM-1-9

Tgt Ion:142 Resp: 372273

Ion Ratio Lower Upper

142 100

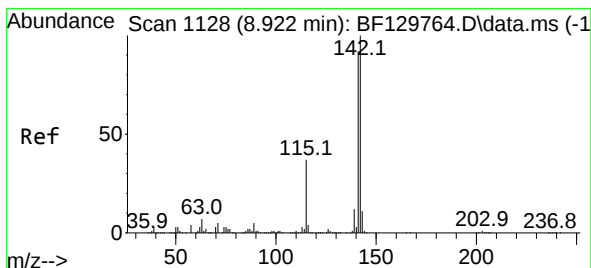
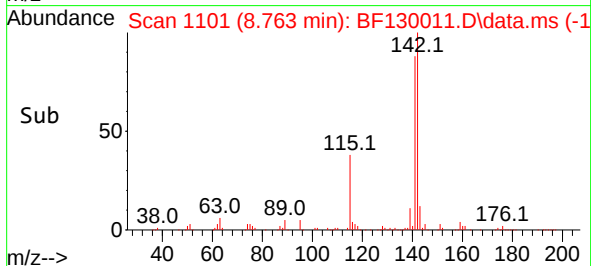
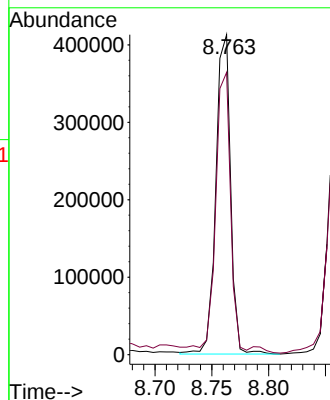
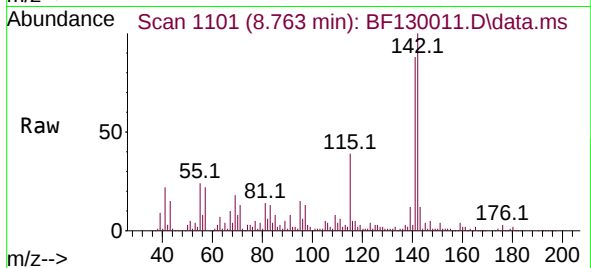
141 88.2 70.9 106.3

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#38

1-Methylnaphthalene

Concen: 26.867 ng

RT: 8.857 min Scan# 1117

Delta R.T. 0.006 min

Lab File: BF130011.D

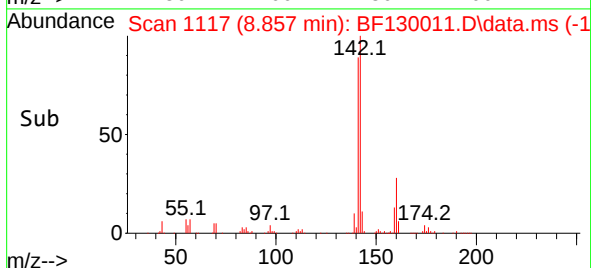
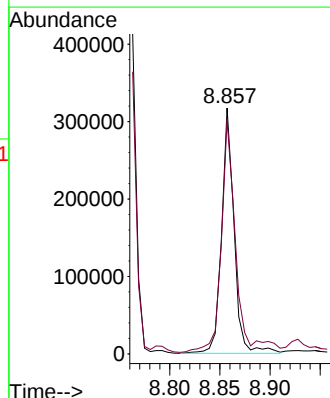
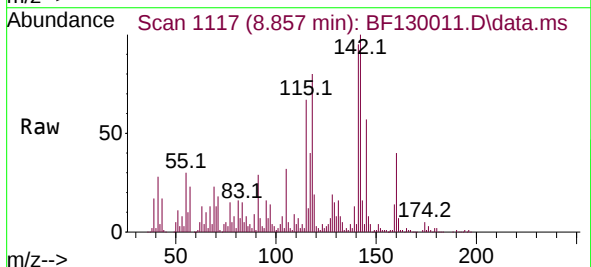
Acq: 25 Aug 2022 21:41

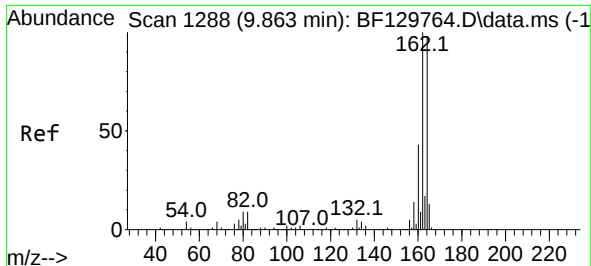
Tgt Ion:142 Resp: 276456

Ion Ratio Lower Upper

142 100

141 94.9 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.804 min Scan# 1412

Delta R.T. 0.012 min

Lab File: BF130011.D

Acq: 25 Aug 2022 21:41

Instrument :

BNA_F

ClientSampleId :

DRUM-1-9

Tgt Ion:164 Resp: 149758

Ion Ratio Lower Upper

164 100

162 102.7 82.0 123.0

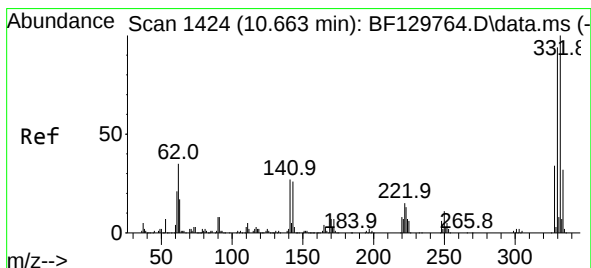
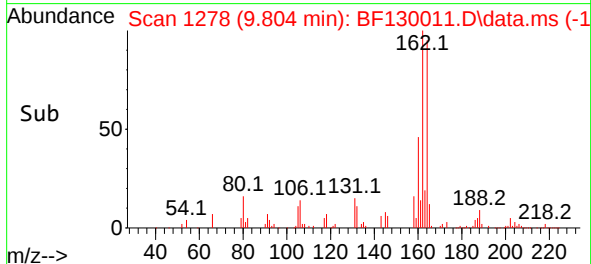
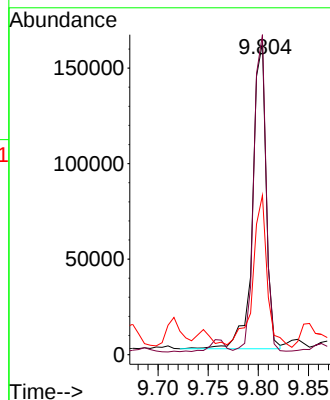
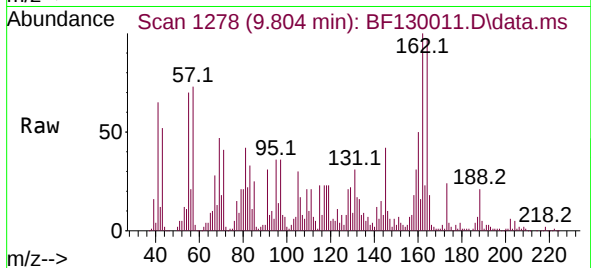
160 51.1 35.4 53.0

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 92.342 ng

RT: 10.598 min Scan# 1413

Delta R.T. 0.012 min

Lab File: BF130011.D

Acq: 25 Aug 2022 21:41

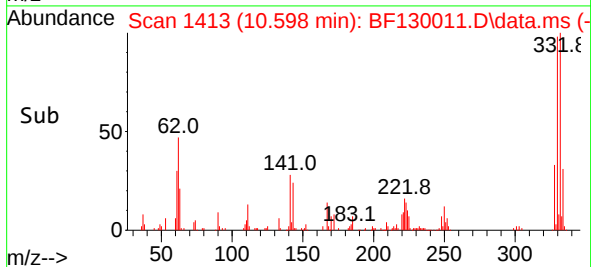
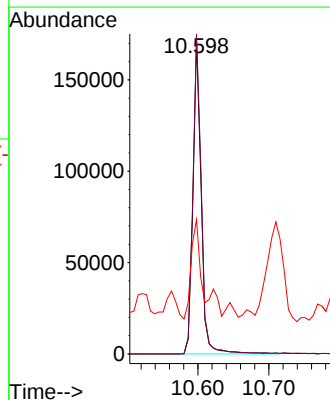
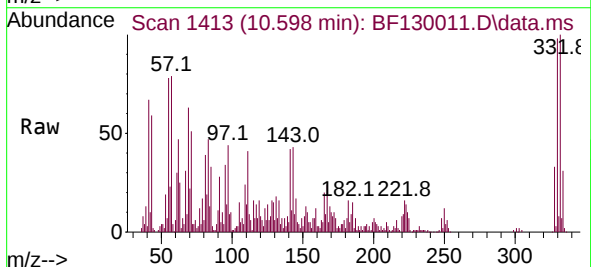
Tgt Ion:330 Resp: 138794

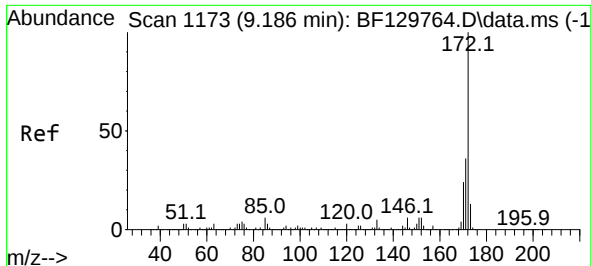
Ion Ratio Lower Upper

330 100

332 103.8 82.6 124.0

141 37.5 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 58.690 ng

RT: 9.116 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF130011.D

Acq: 25 Aug 2022 21:41

Instrument :

BNA_F

ClientSampleId :

DRUM-1-9

Tgt Ion:172 Resp: 578699

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

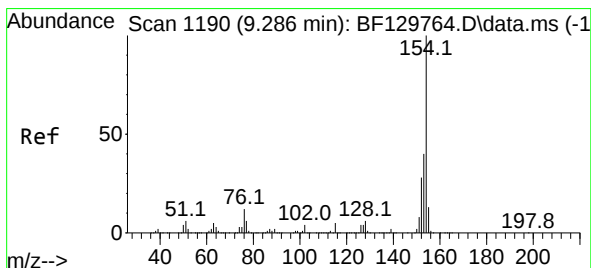
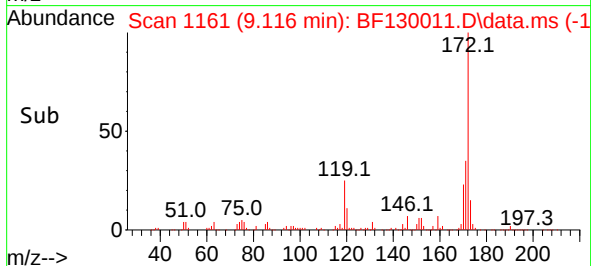
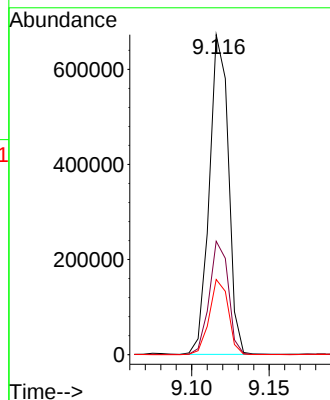
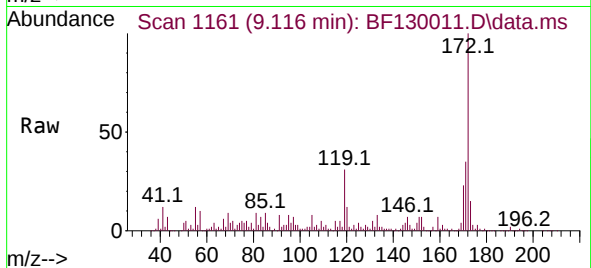
170 23.5 19.1 28.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/26/2022



#46

1,1'-Biphenyl

Concen: 12.652 ng

RT: 9.222 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF130011.D

Acq: 25 Aug 2022 21:41

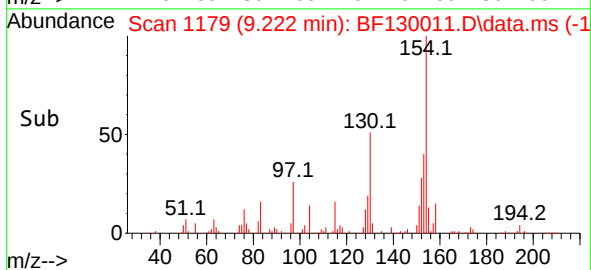
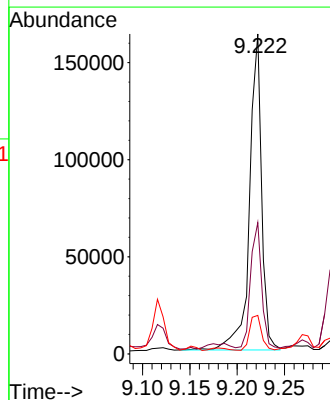
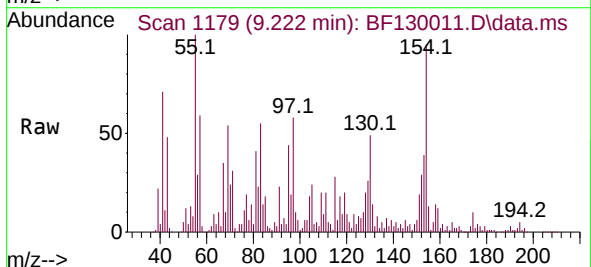
Tgt Ion:154 Resp: 143941

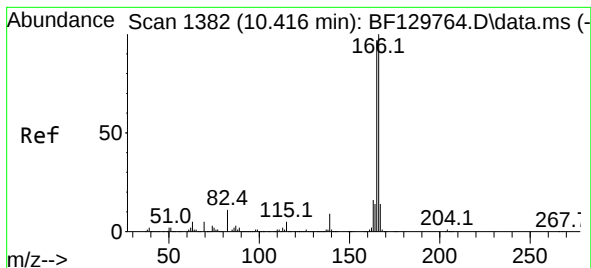
Ion Ratio Lower Upper

154 100

153 41.0 20.2 60.2

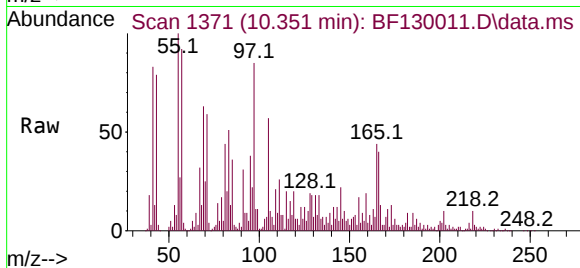
76 12.0 0.0 32.1





#58
Fluorene
Concen: 7.587 ng
RT: 10.351 min Scan# 1382
Delta R.T. 0.012 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

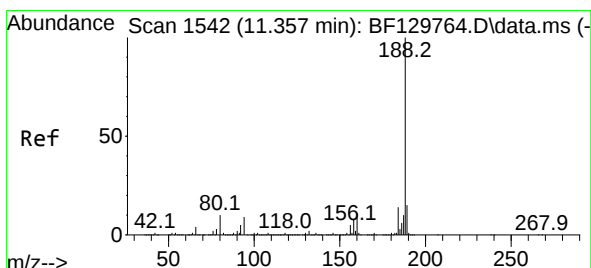
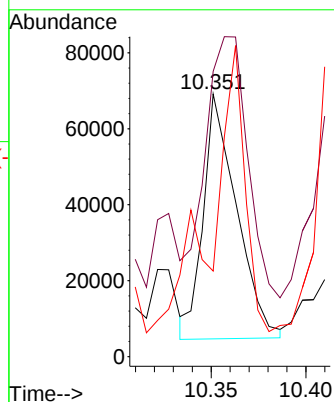
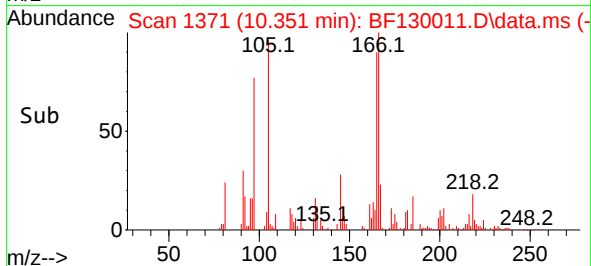
Instrument :
BNA_F
ClientSampleId :
DRUM-1-9



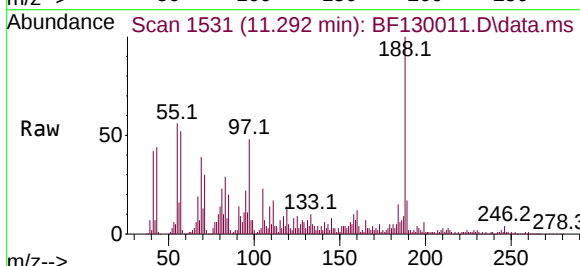
Tgt Ion:166 Resp: 78817
Ion Ratio Lower Upper
166 100
165 108.6 77.9 116.9
167 32.5 11.0 16.4

Manual Integrations
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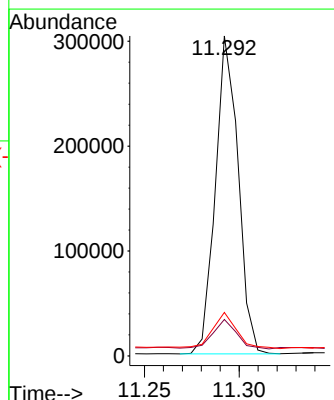
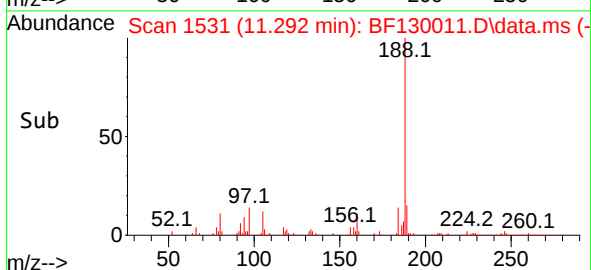
Reviewed By :Christian Giraldo 08/26/2022
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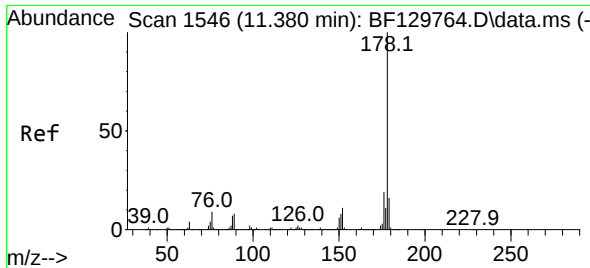


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1531
Delta R.T. 0.012 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41



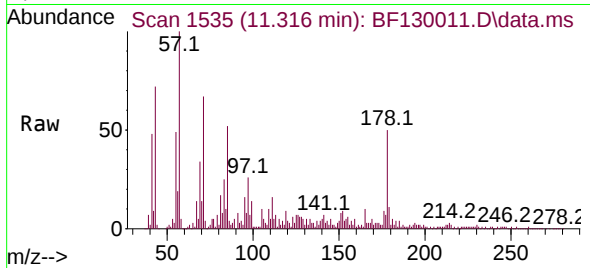
Tgt Ion:188 Resp: 253045
Ion Ratio Lower Upper
188 100
94 11.4 7.4 11.2#
80 13.6 7.9 11.9#





#71
Phenanthrene
Concen: 11.091 ng m
RT: 11.316 min Scan# 1739
Delta R.T. 0.012 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

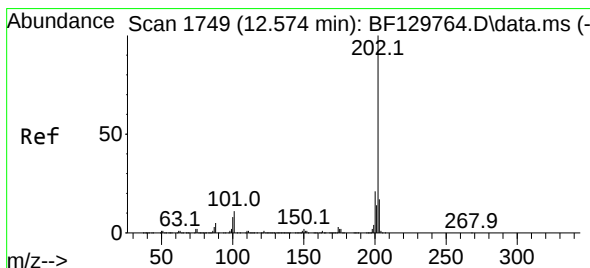
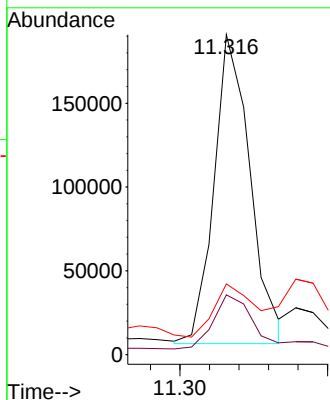
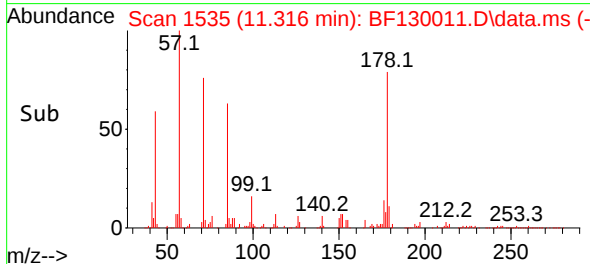
Instrument :
BNA_F
ClientSampleId :
DRUM-1-9



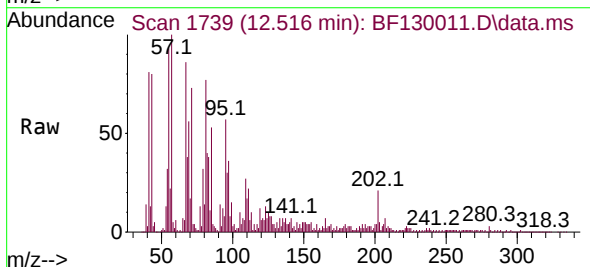
Tgt Ion:178 Resp: 156746
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 22.1 12.5 18.7

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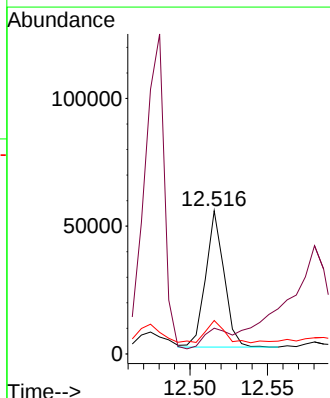
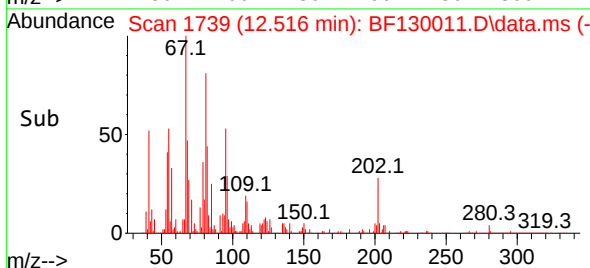
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022

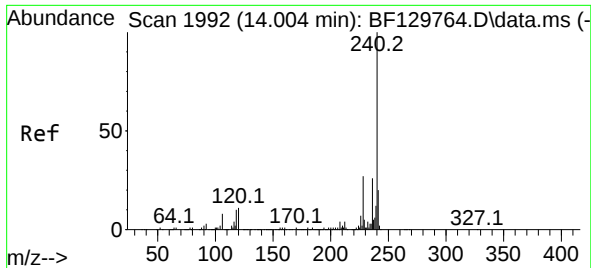


#75
Fluoranthene
Concen: 3.061 ng
RT: 12.516 min Scan# 1739
Delta R.T. 0.018 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41



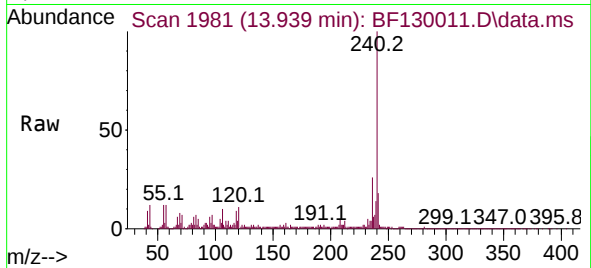
Tgt Ion:202 Resp: 44265
Ion Ratio Lower Upper
202 100
101 17.9 0.0 30.7
203 23.3 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 1992
Delta R.T. 0.012 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

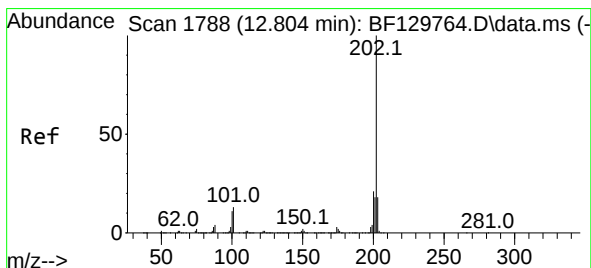
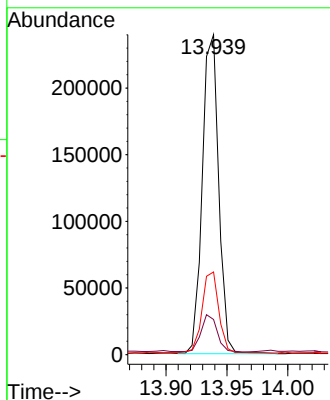
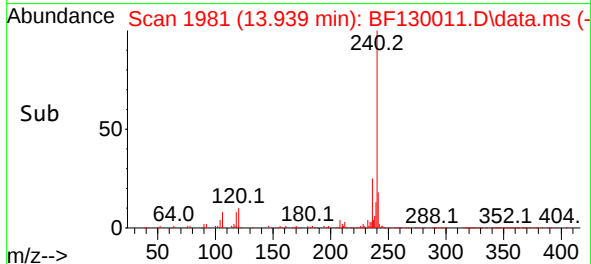
Instrument :
BNA_F
ClientSampleId :
DRUM-1-9



Tgt Ion:240 Resp: 22454
Ion Ratio Lower Upper
240 100
120 11.0 9.2 13.8
236 25.8 20.7 31.1

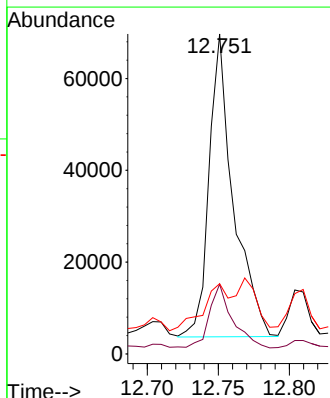
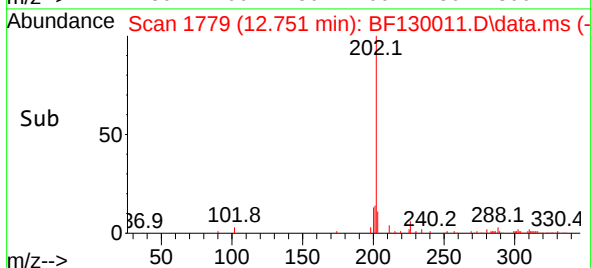
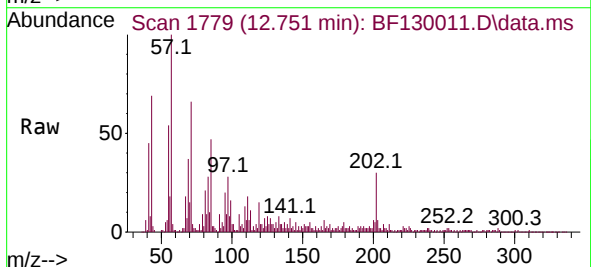
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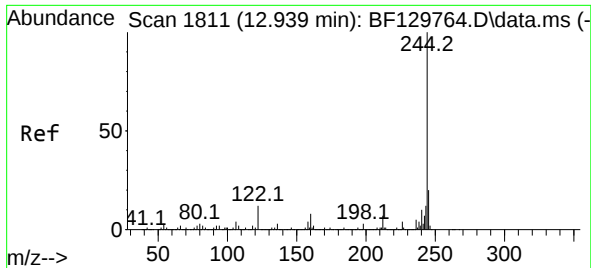
Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022



#78
Pyrene
Concen: 4.024 ng
RT: 12.751 min Scan# 1779
Delta R.T. 0.024 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

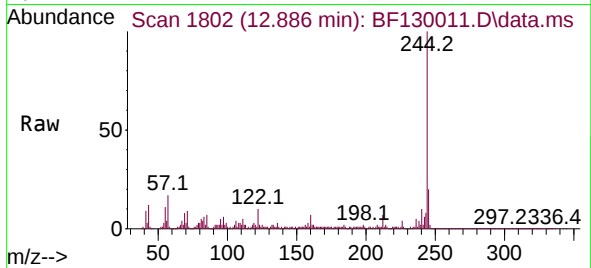
Tgt Ion:202 Resp: 78519
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 21.9 14.1 21.1#





#79
 Terphenyl-d14
 Concen: 57.563 ng
 RT: 12.886 min Scan# 1811
 Delta R.T. 0.024 min
 Lab File: BF130011.D
 Acq: 25 Aug 2022 21:41

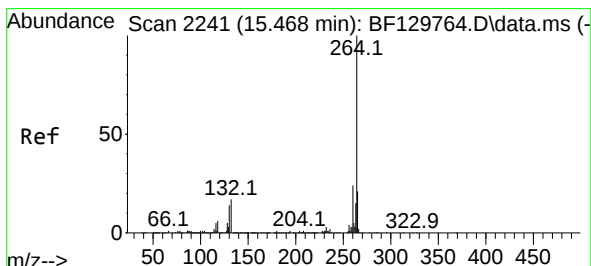
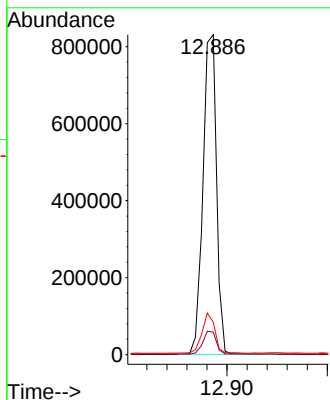
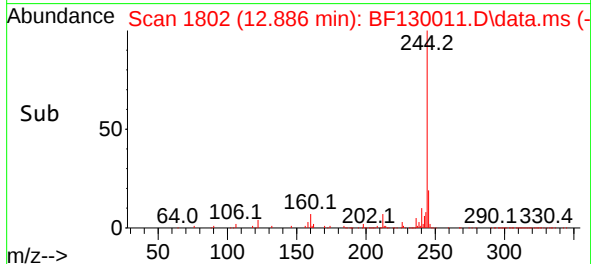
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-9



Tgt Ion:244 Resp: 776794
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.1 9.9 14.9

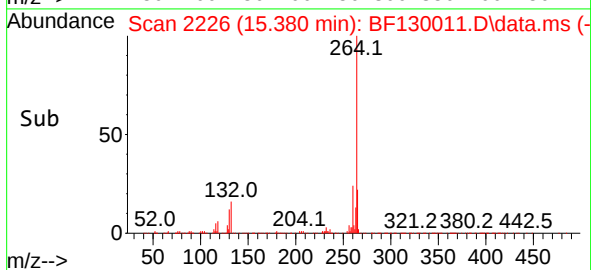
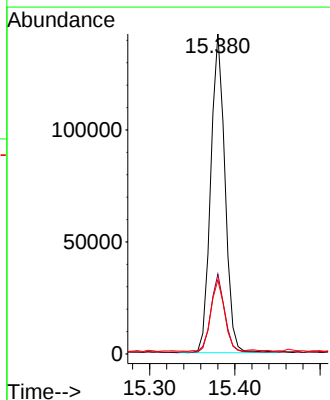
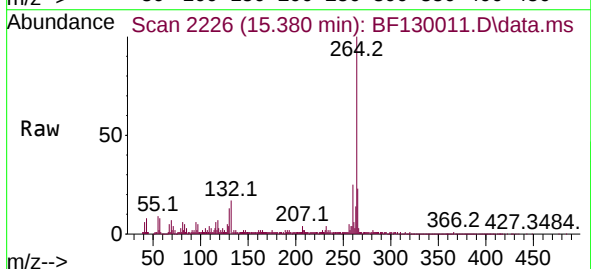
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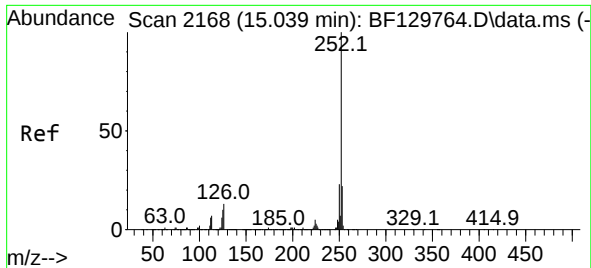
Reviewed By :Christian Giraldo 08/26/2022
 Supervised By :Jagrut Upadhyay 08/26/2022



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2226
 Delta R.T. 0.012 min
 Lab File: BF130011.D
 Acq: 25 Aug 2022 21:41

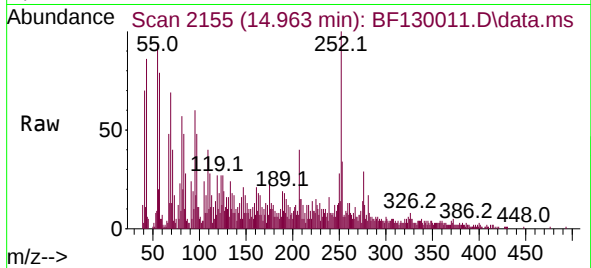
Tgt Ion:264 Resp: 165186
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.1 28.7
 265 23.1 16.7 25.1





#88
Benzo(b)fluoranthene
Concen: 2.125 ng m
RT: 14.963 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF130011.D
Acq: 25 Aug 2022 21:41

Instrument :
BNA_F
ClientSampleId :
DRUM-1-9



Tgt Ion:252 Resp: 24038
Ion Ratio Lower Upper
252 100
253 34.2 17.5 26.3
125 27.4 8.3 12.5

Manual Integrations
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Reviewed By :Christian Giraldo 08/26/2022
Supervised By :Jagrut Upadhyay 08/26/2022

