

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132979.D
 Acq On : 21 Apr 2023 20:33
 Operator : CG\JU
 Sample : 02270-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-24-0-2-20230411

Quant Time: Apr 22 04:30:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

04/24/2023
 Supervised By :Jagrut
 Upadhyay

04/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	202499	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	806163	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	380867	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	593765	20.000	ng	0.00
76) Chrysene-d12	13.904	240	353432	20.000	ng	0.00
86) Perylene-d12	15.333	264	368558	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1341728	100.091	ng	0.01
7) Phenol-d6	6.387	99	1630265	97.981	ng	0.00
23) Nitrobenzene-d5	7.316	82	1013622	67.867	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	344069	89.827	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1644479	72.236	ng	0.00
79) Terphenyl-d14	12.857	244	1433289	69.941	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	9.816	154	70108	2.964	ng	100
58) Fluorene	10.328	166	54846	2.320	ng	98
71) Phenanthrene	11.292	178	783062	24.537	ng	100
72) Anthracene	11.339	178	211953	6.490	ng	98
73) Carbazole	11.492	167	99440	3.419	ng	99
75) Fluoranthene	12.480	202	1441756	45.015	ng	100
78) Pyrene	12.710	202	1306105	43.110	ng	100
81) Benzo(a)anthracene	13.892	228	780414	32.110	ng	98
83) Chrysene	13.927	228	675246	27.790	ng	97
87) Indeno(1,2,3-cd)pyrene	16.709	276	368661	17.585	ng	97
88) Benzo(b)fluoranthene	14.927	252	965909m	41.195	ng	
89) Benzo(k)fluoranthene	14.951	252	361309m	15.545	ng	
90) Benzo(a)pyrene	15.274	252	651810	30.541	ng	98
91) Dibenzo(a,h)anthracene	16.721	278	100951	5.773	ng	93
92) Benzo(g,h,i)perylene	17.127	276	334665	19.387	ng	99

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

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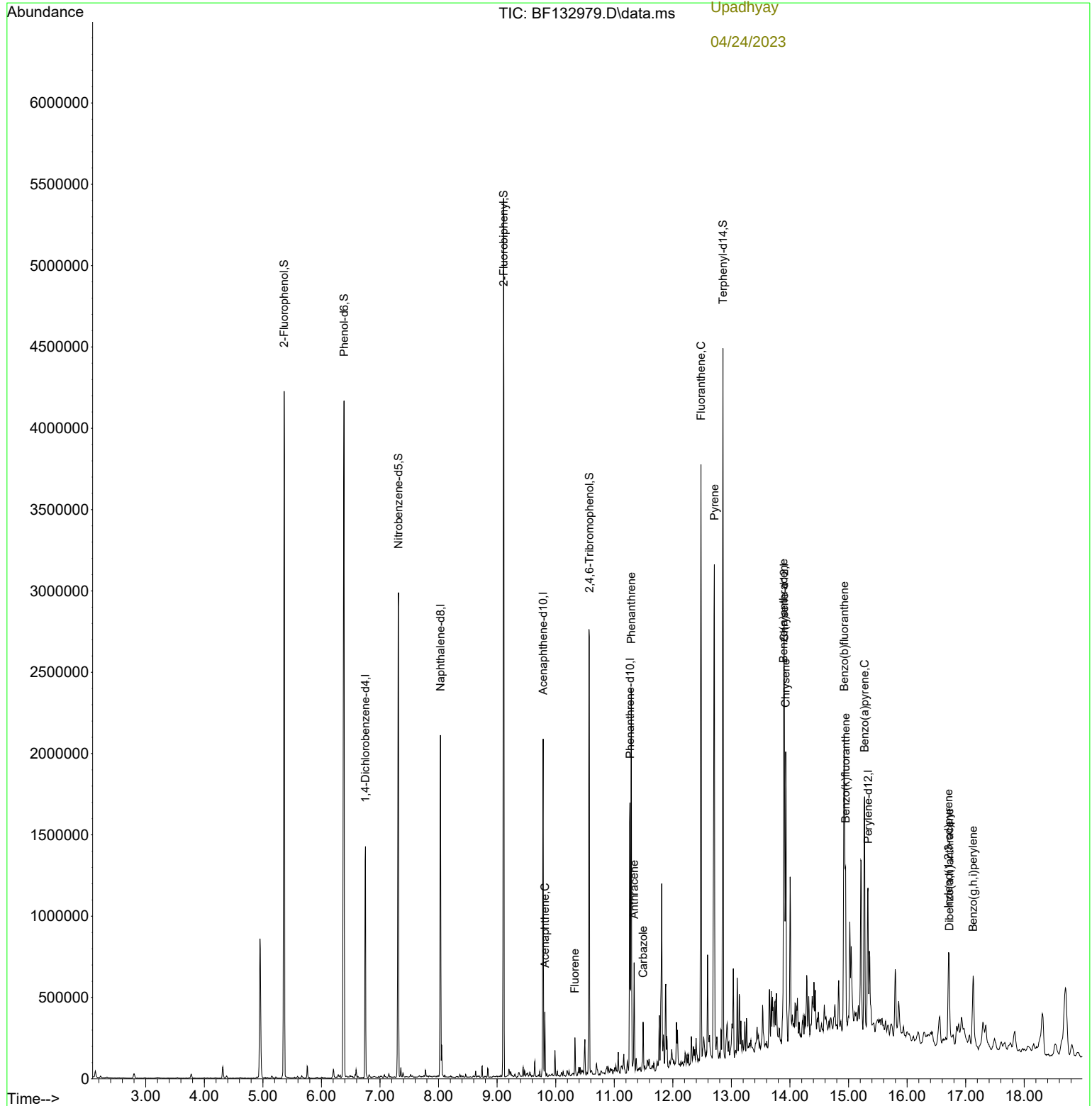
Quant Time: Apr 22 04:30:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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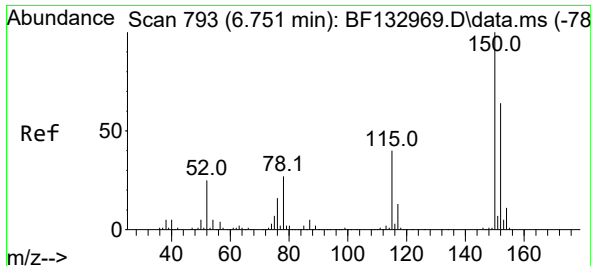
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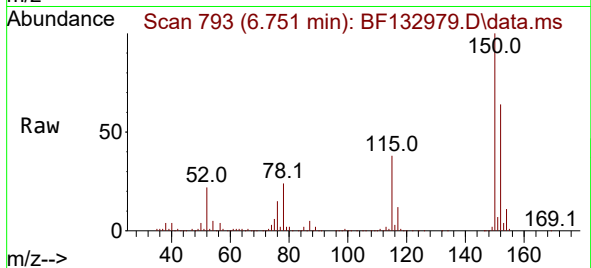
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411



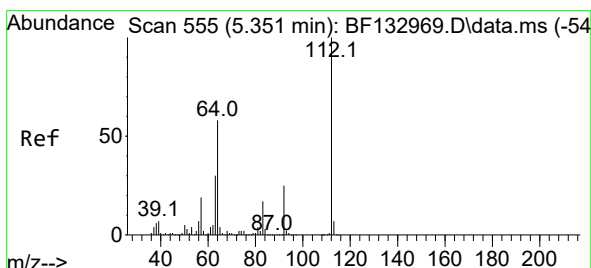
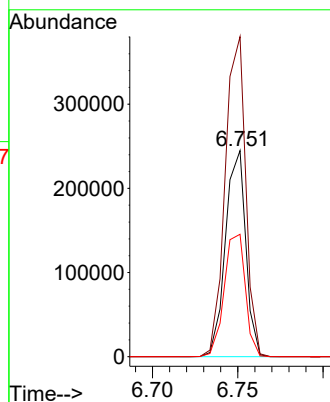
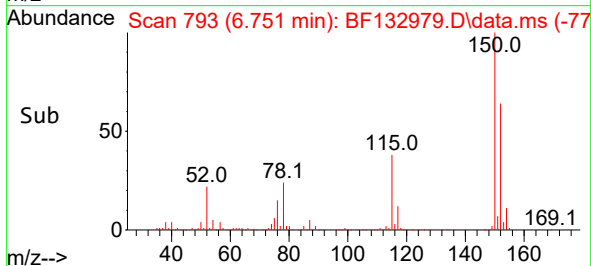
Tgt Ion:152 Resp: 202495
Ion Ratio Lower Upper
152 100
150 155.3 124.8 187.2
115 59.4 49.9 74.9

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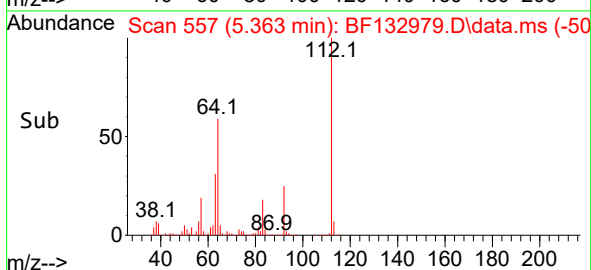
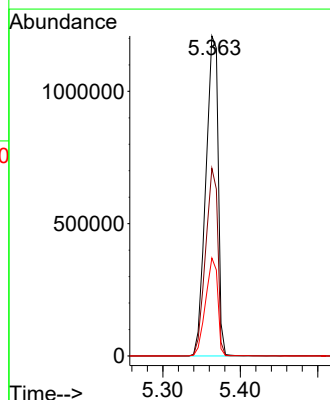
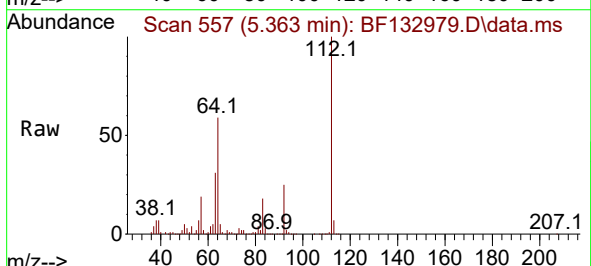
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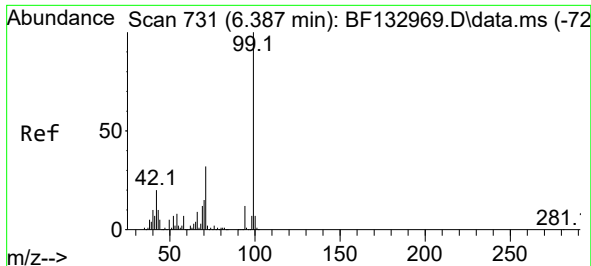
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#5
2-Fluorophenol
Concen: 100.091 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

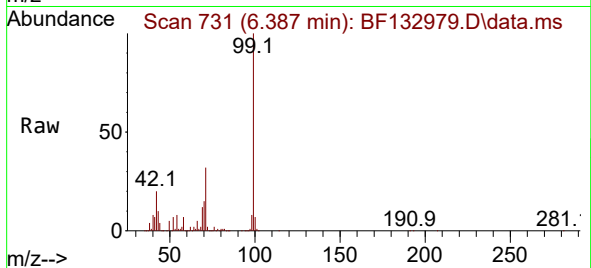
Tgt Ion:112 Resp: 1341728
Ion Ratio Lower Upper
112 100
64 58.7 46.8 70.2
63 30.6 23.8 35.8





#7
Phenol-d6
Concen: 97.981 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
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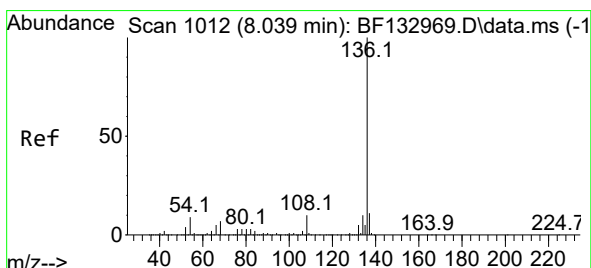
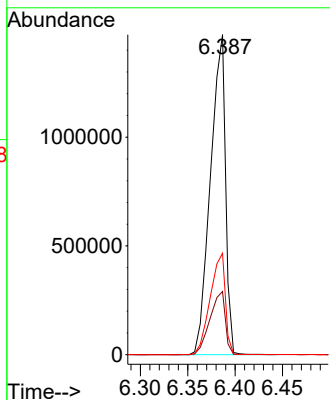
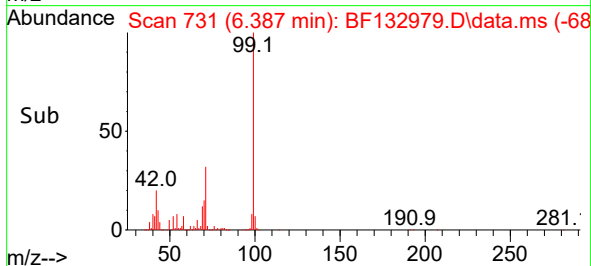
Tgt Ion: 99 Resp: 163026
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 31.7 25.6 38.4

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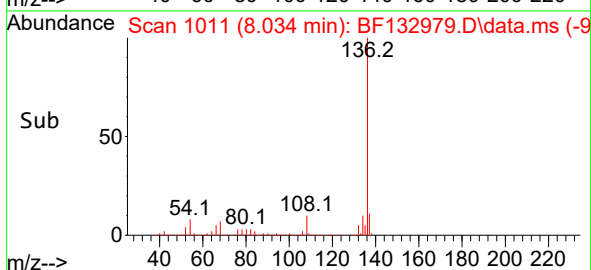
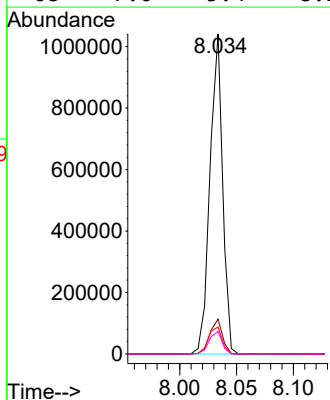
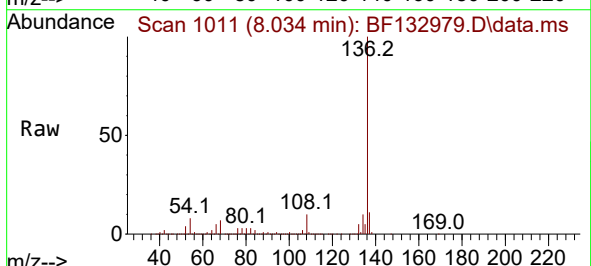
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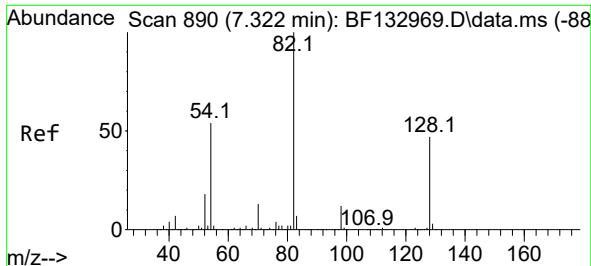
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

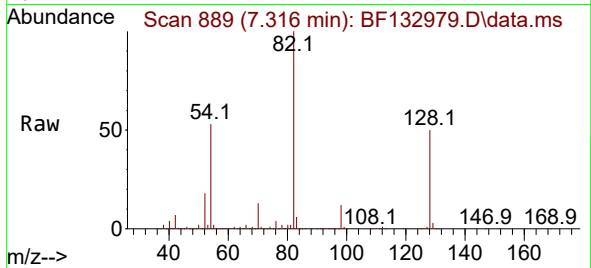
Tgt Ion:136 Resp: 806163
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 7.0 10.4
68 7.0 5.4 8.2





#23
Nitrobenzene-d5
Concen: 67.867 ng
RT: 7.316 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
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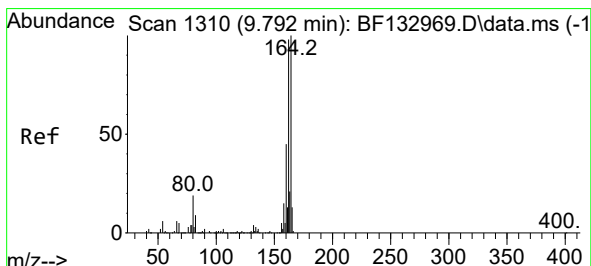
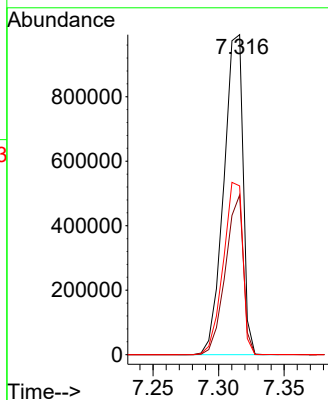
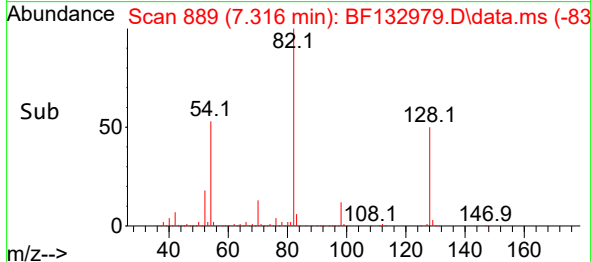
Tgt Ion: 82 Resp: 101362
Ion Ratio Lower Upper
82 100
128 49.9 37.7 56.5
54 52.8 43.0 64.4

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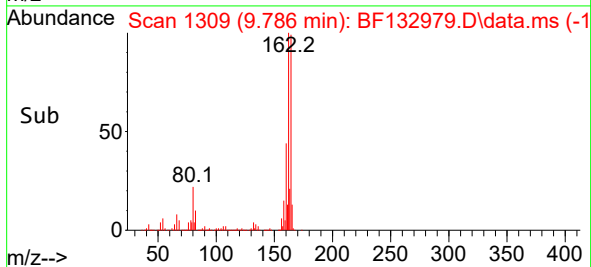
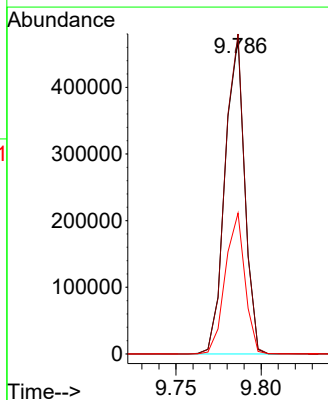
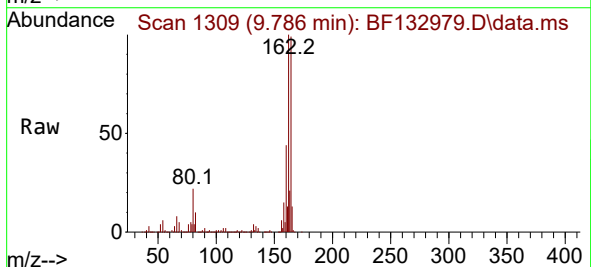
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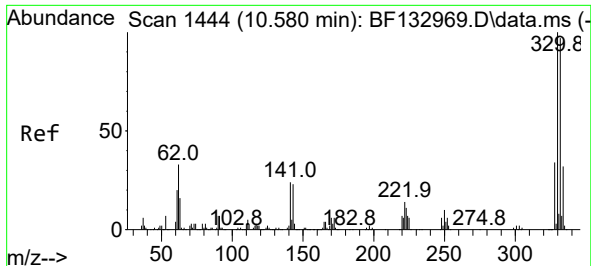
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

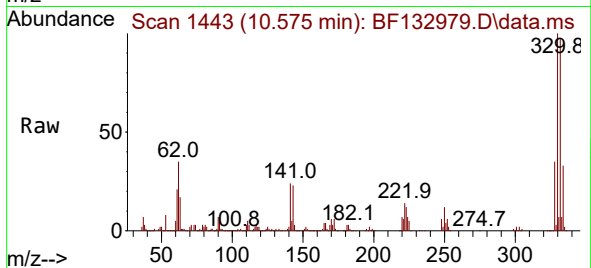
Tgt Ion:164 Resp: 380867
Ion Ratio Lower Upper
164 100
162 101.2 78.7 118.1
160 44.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 89.827 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
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ClientSampleId :
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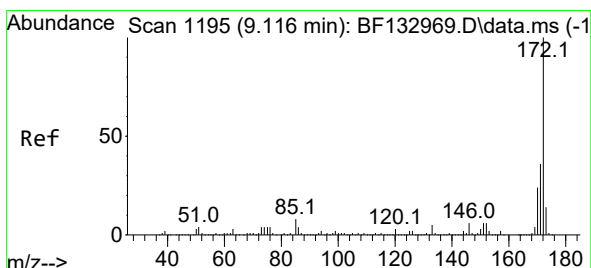
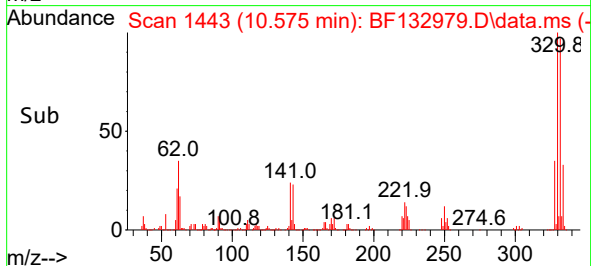
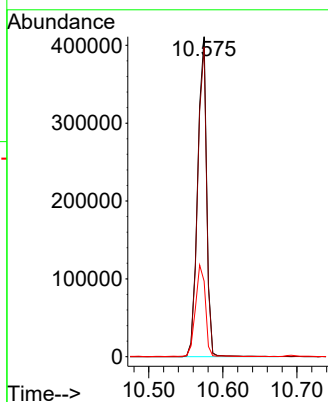
Tgt Ion:330 Resp: 344069
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 32.2 25.8 38.8

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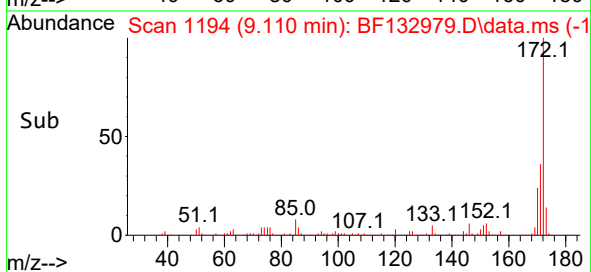
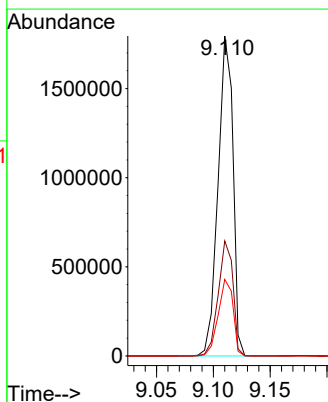
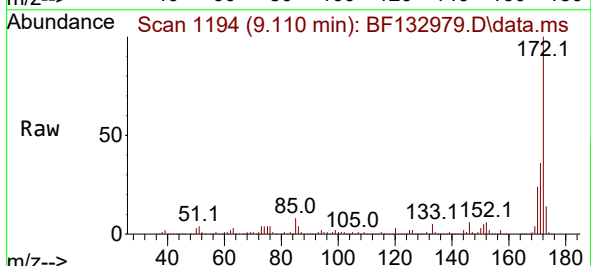
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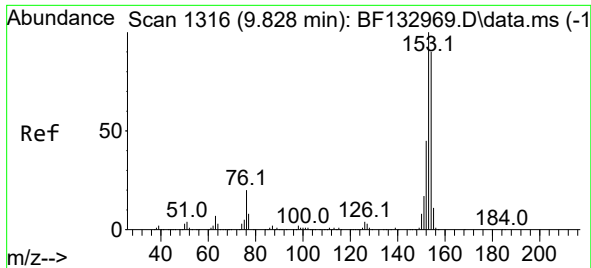
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#45
2-Fluorobiphenyl
Concen: 72.236 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

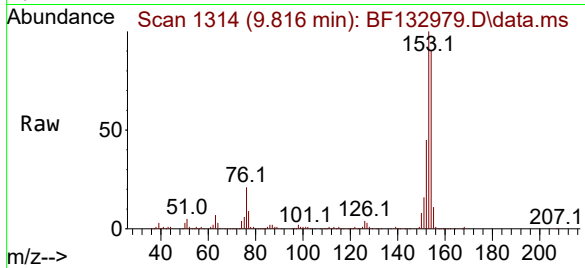
Tgt Ion:172 Resp: 1644479
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.9 19.4 29.2





#52
Acenaphthene
Concen: 2.964 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
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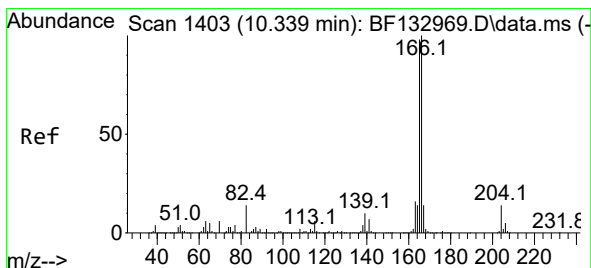
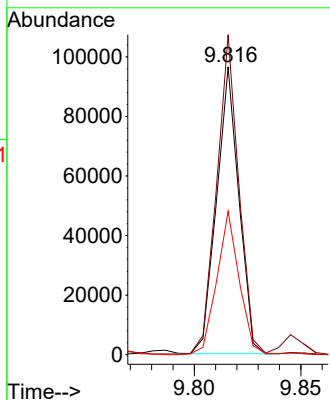
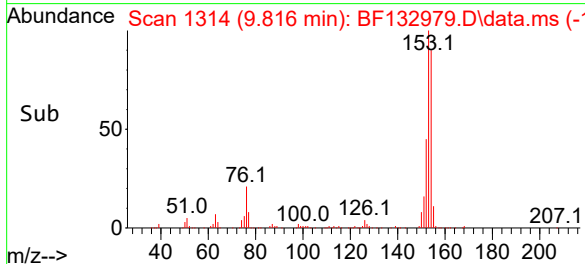
Tgt Ion:154 Resp: 70108
Ion Ratio Lower Upper
154 100
153 111.2 89.0 133.6
152 49.9 40.4 60.6

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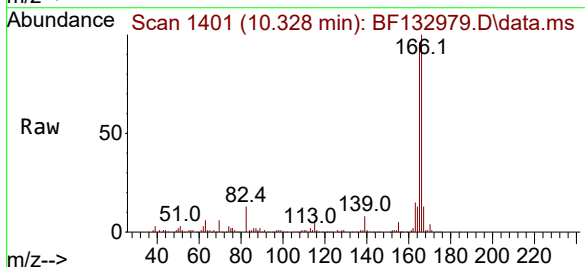
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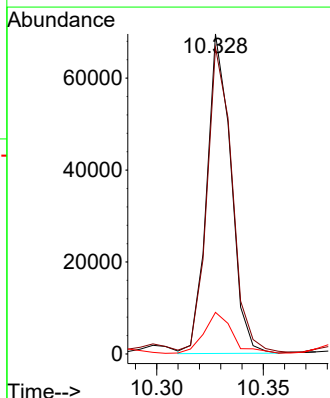
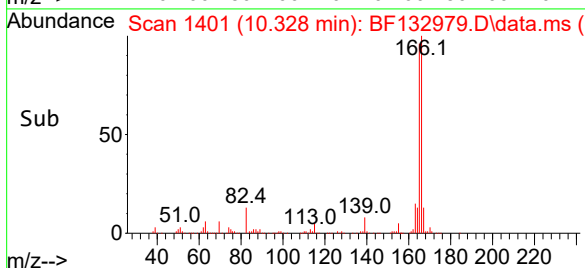
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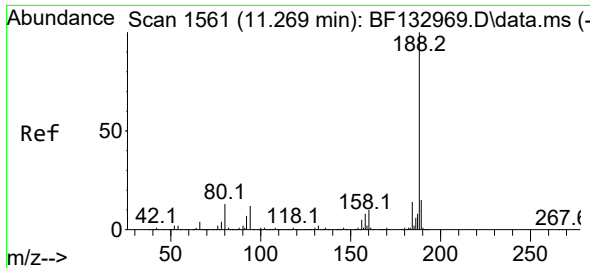


#58
Fluorene
Concen: 2.320 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33



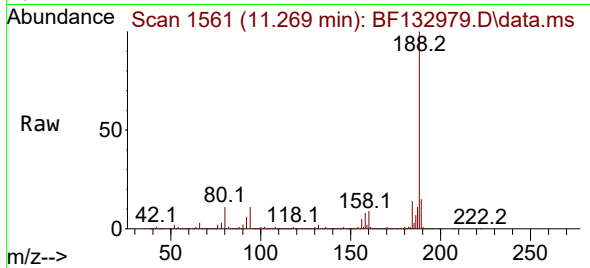
Tgt Ion:166 Resp: 54846
Ion Ratio Lower Upper
166 100
165 95.8 78.6 117.8
167 13.0 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
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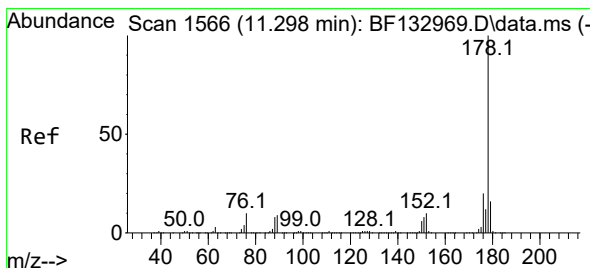
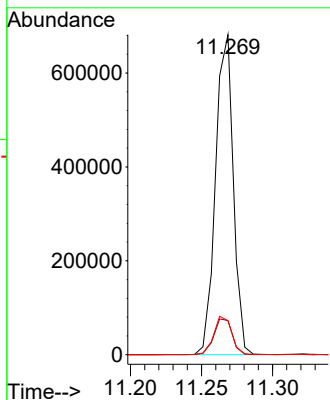
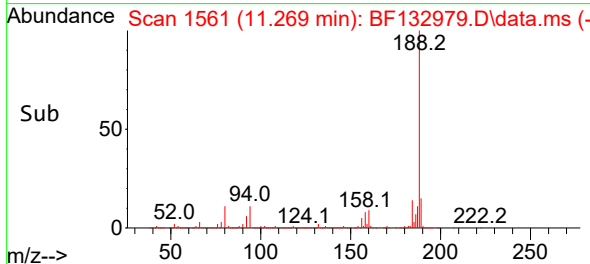
Tgt Ion:188 Resp: 59376
Ion Ratio Lower Upper
188 100
94 10.7 9.7 14.5
80 10.7 10.4 15.6

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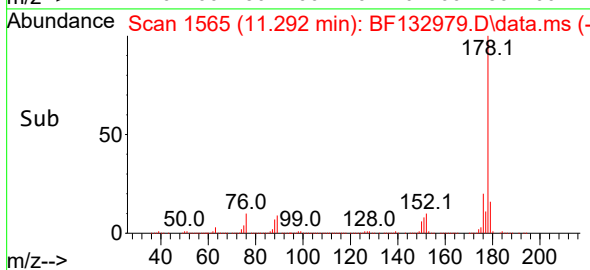
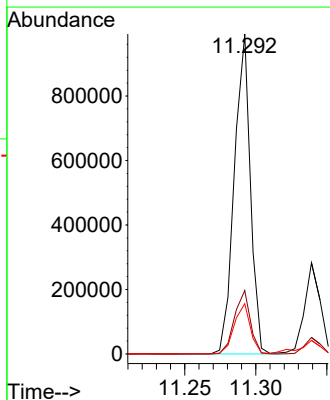
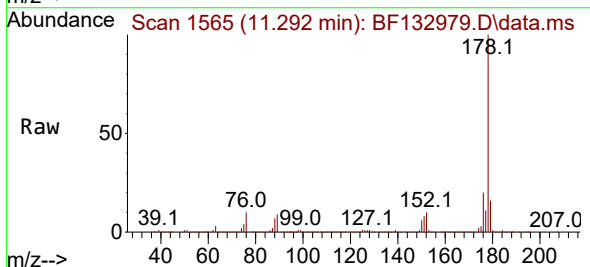
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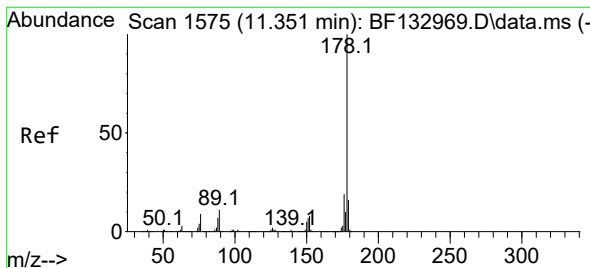
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#71
Phenanthrene
Concen: 24.537 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

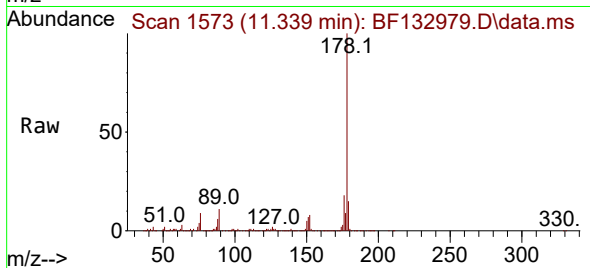
Tgt Ion:178 Resp: 783062
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.7 12.5 18.7





#72
 Anthracene
 Concen: 6.490 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. -0.012 min
 Lab File: BF132979.D
 Acq: 21 Apr 2023 20:33

Instrument : BNA_F
 ClientSampleId : SB-24-0-2-20230411



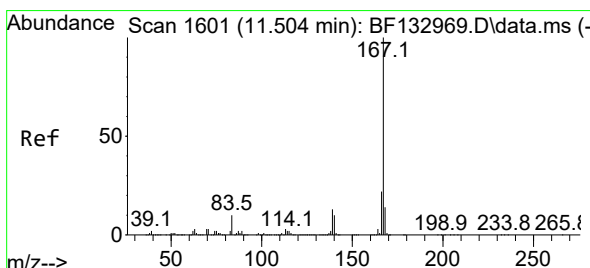
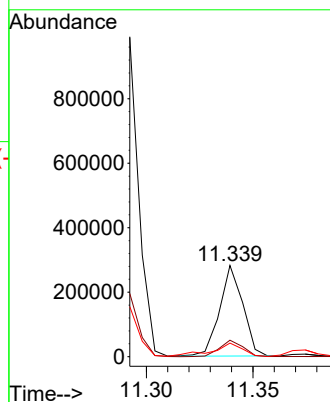
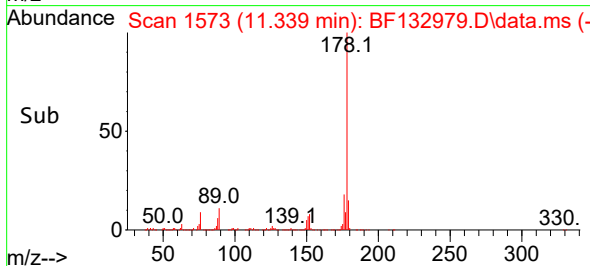
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 Ion Ratio Lower Upper
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 176 18.1 15.4 23.0
 179 15.0 12.4 18.6

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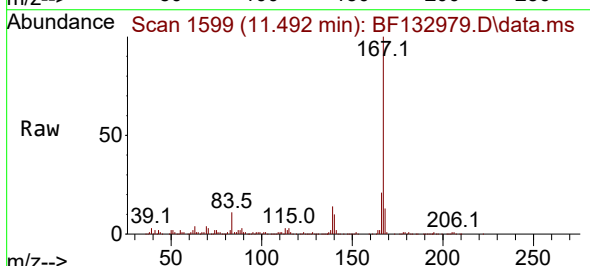
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 Upadhyay

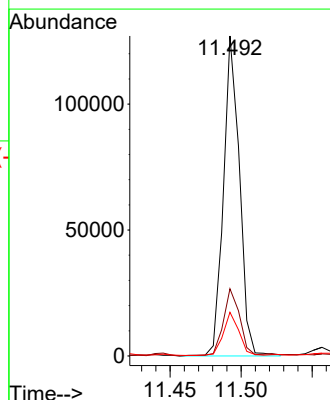
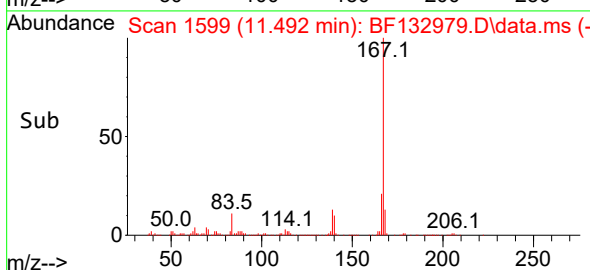
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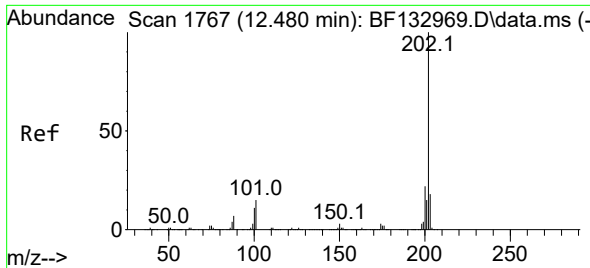


#73
 Carbazole
 Concen: 3.419 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. -0.012 min
 Lab File: BF132979.D
 Acq: 21 Apr 2023 20:33



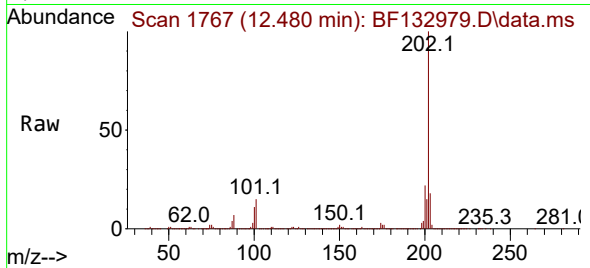
Tgt Ion:167 Resp: 99440
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.0
 139 13.6 10.6 16.0





#75
Fluoranthene
Concen: 45.015 ng
RT: 12.480 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411



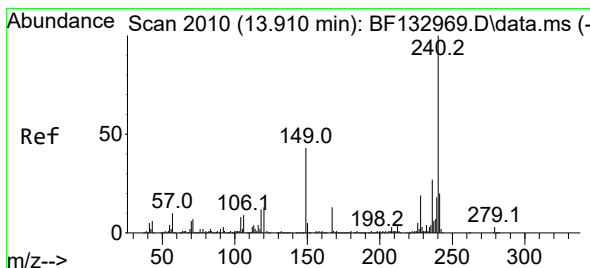
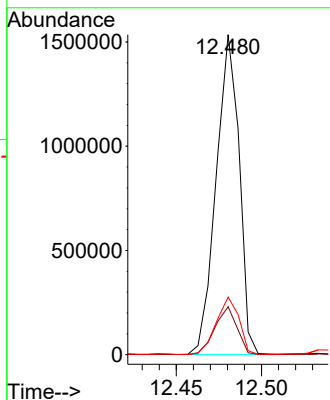
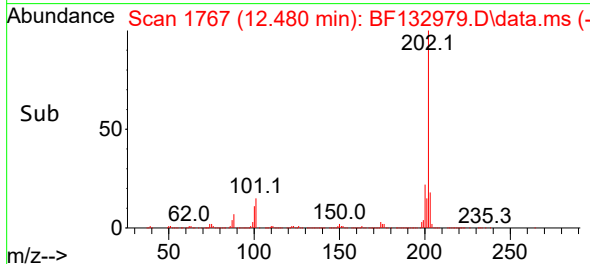
Tgt Ion:202 Resp: 1441750
Ion Ratio Lower Upper
202 100
101 15.0 0.0 35.3
203 18.0 0.0 38.1

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Reviewed By :Christian
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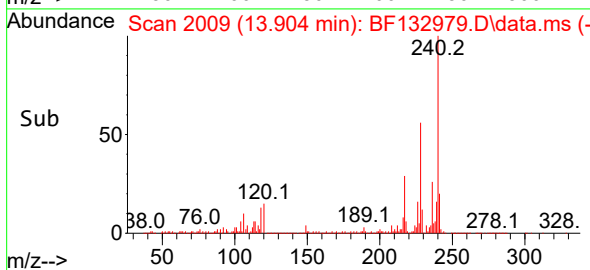
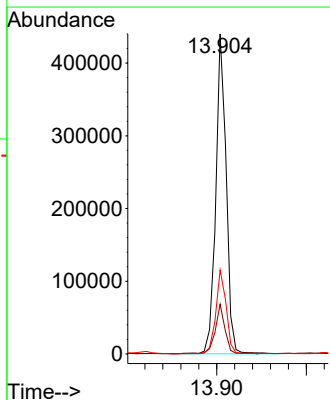
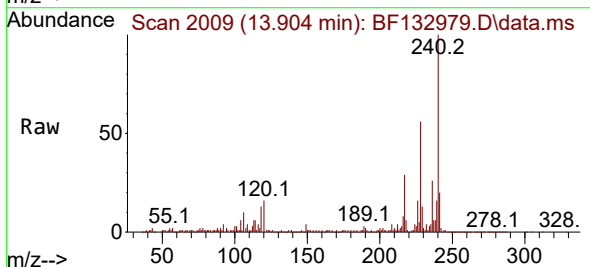
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Supervised By :Jagrut
Upadhyay

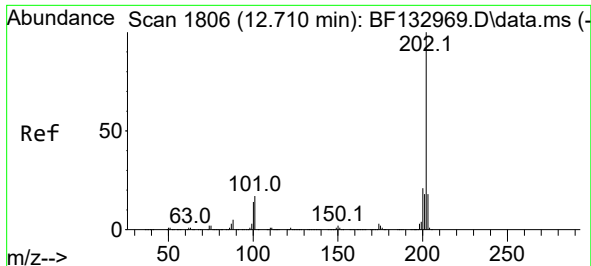
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

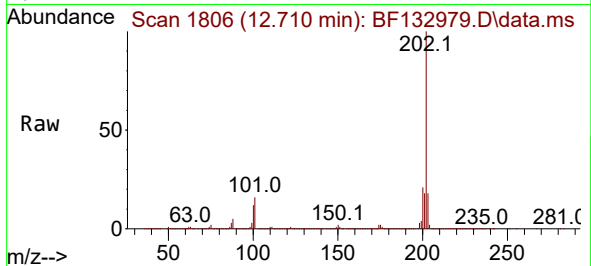
Tgt Ion:240 Resp: 353432
Ion Ratio Lower Upper
240 100
120 15.6 10.5 15.7
236 26.3 21.5 32.3





#78
Pyrene
Concen: 43.110 ng
RT: 12.710 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411



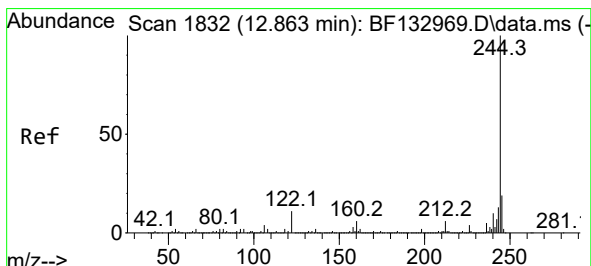
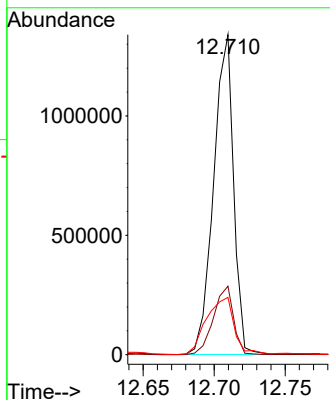
Tgt Ion:202 Resp: 130610
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.9 14.1 21.1

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Reviewed By :Christian
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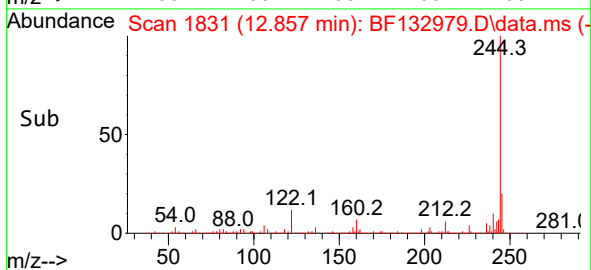
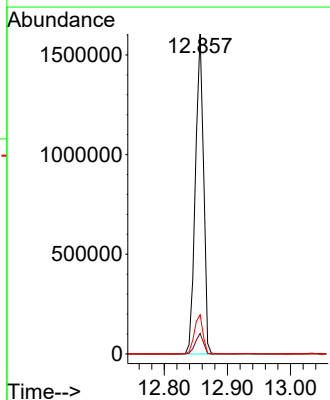
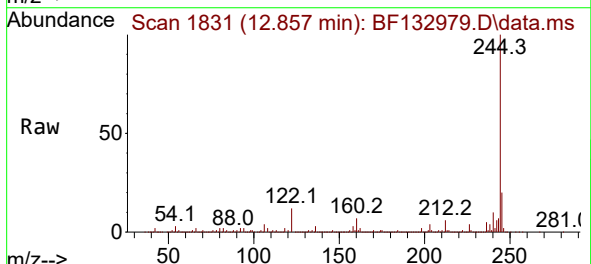
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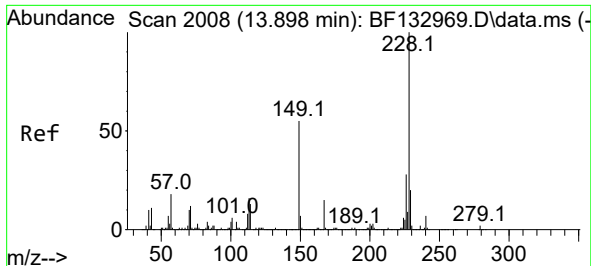
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#79
Terphenyl-d14
Concen: 69.941 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

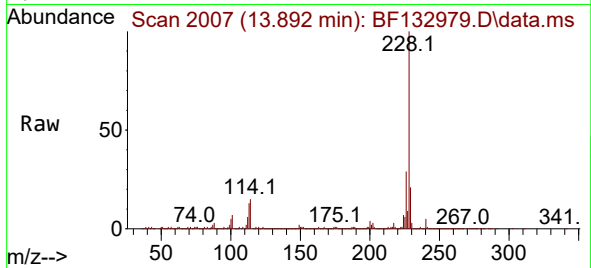
Tgt Ion:244 Resp: 1433289
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 12.3 8.6 13.0





#81
Benzo(a)anthracene
Concen: 32.110 ng
RT: 13.892 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411



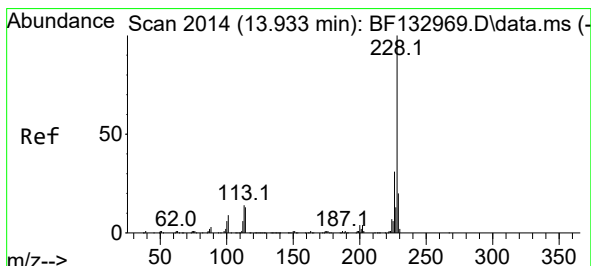
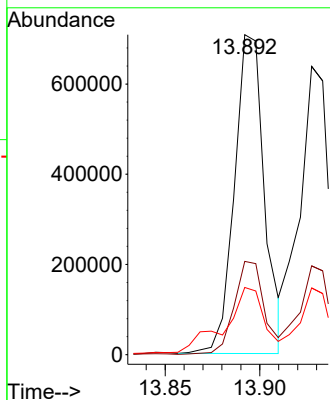
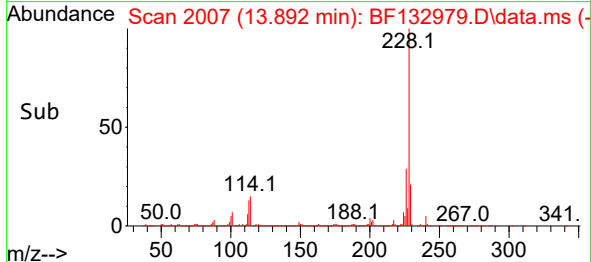
Tgt Ion:228 Resp: 780414
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 21.0 16.0 24.0

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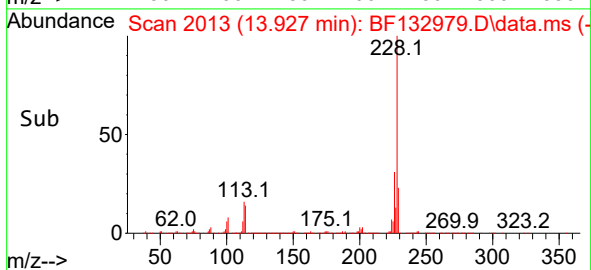
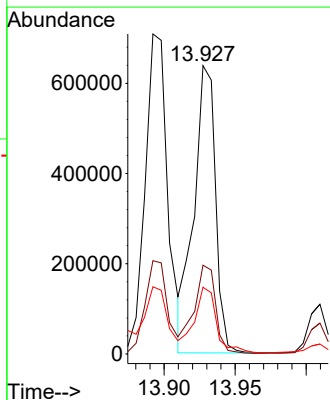
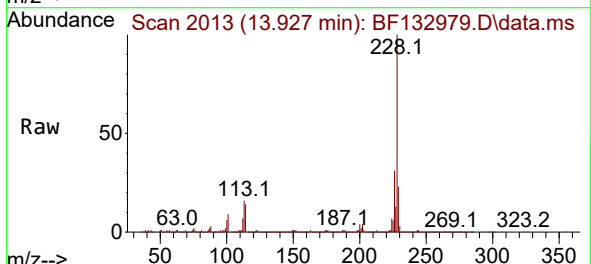
04/24/2023
Supervised By :Jagrut
Upadhyay

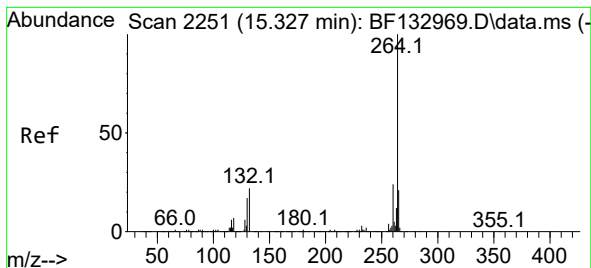
04/24/2023



#83
Chrysene
Concen: 27.790 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Tgt Ion:228 Resp: 675246
Ion Ratio Lower Upper
228 100
226 30.8 24.7 37.1
229 23.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 2251

Delta R.T. 0.006 min

Lab File: BF132979.D

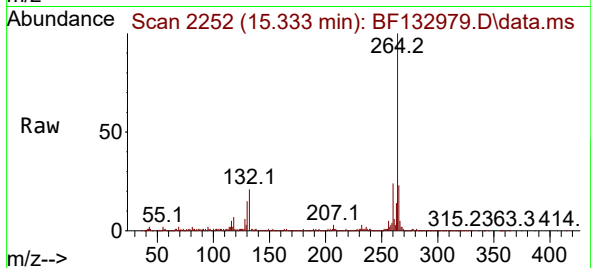
Acq: 21 Apr 2023 20:33

Instrument :

BNA_F

ClientSampleId :

SB-24-0-2-20230411



Tgt Ion:264 Resp: 368558

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 22.7 17.0 25.4

Manual Integrations

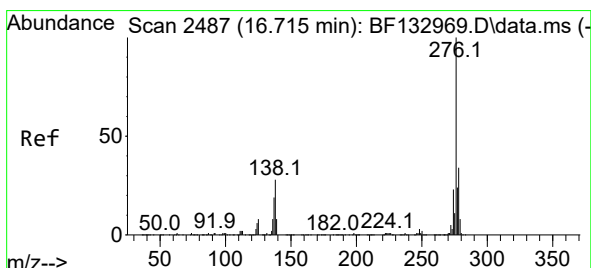
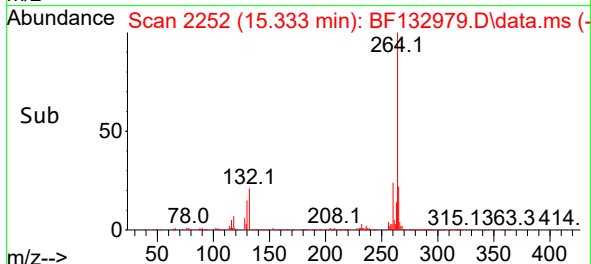
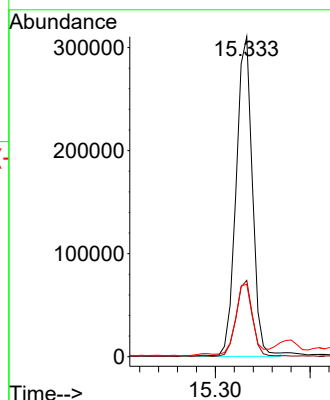
APPROVED

Reviewed By :Christian
Giraldo

04/24/2023

Supervised By :Jagrut
Upadhyay

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#87

Indeno(1,2,3-cd)pyrene

Concen: 17.585 ng

RT: 16.709 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BF132979.D

Acq: 21 Apr 2023 20:33

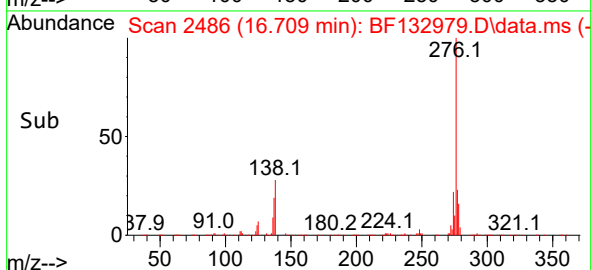
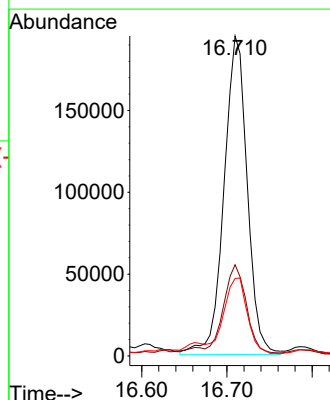
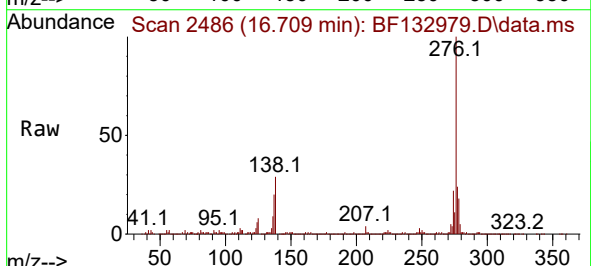
Tgt Ion:276 Resp: 368661

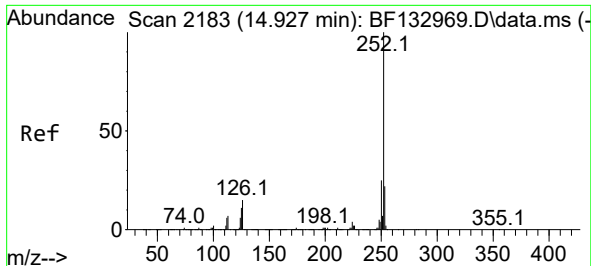
Ion Ratio Lower Upper

276 100

138 29.5 25.5 38.3

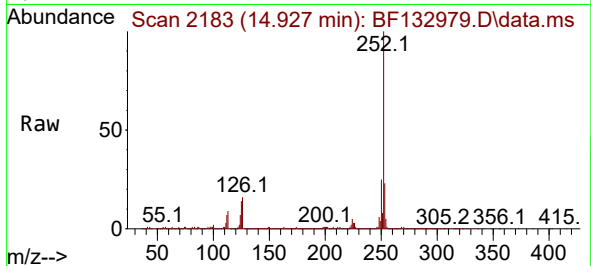
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 41.195 ng m
RT: 14.927 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411



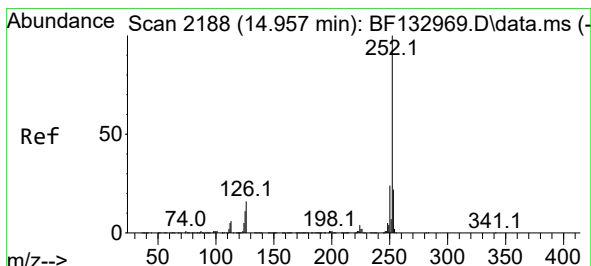
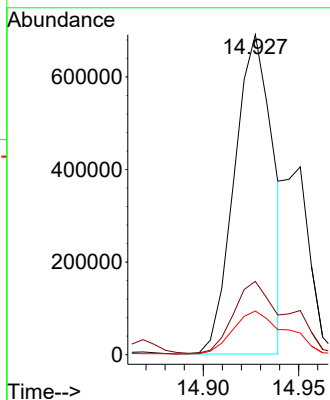
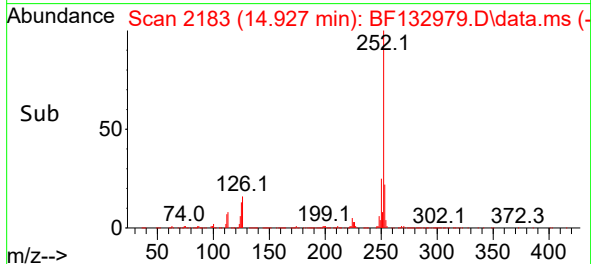
Tgt Ion:252 Resp: 965909
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 13.6 8.9 13.3

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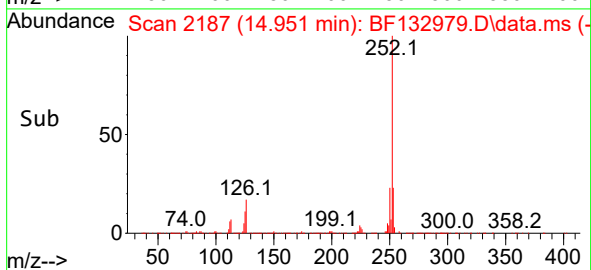
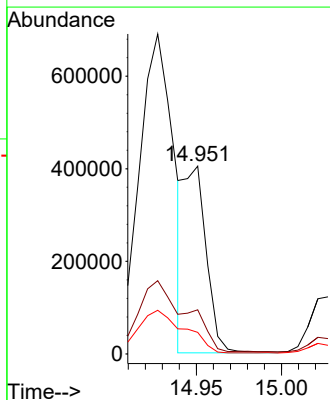
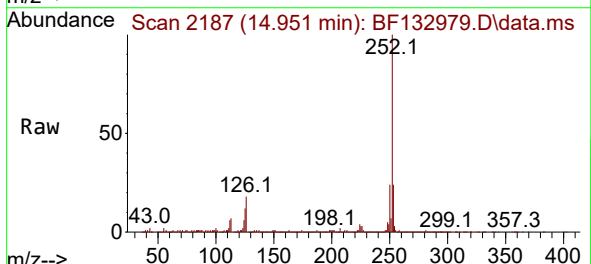
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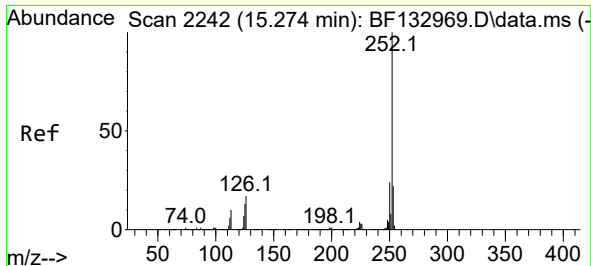
04/24/2023



#89
Benzo(k)fluoranthene
Concen: 15.545 ng m
RT: 14.951 min Scan# 2187
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

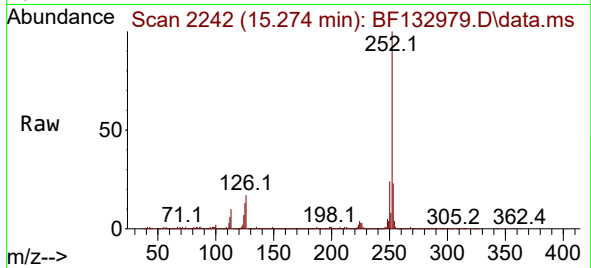
Tgt Ion:252 Resp: 361309
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 11.5 9.0 13.4





#90
Benzo(a)pyrene
Concen: 30.541 ng
RT: 15.274 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411



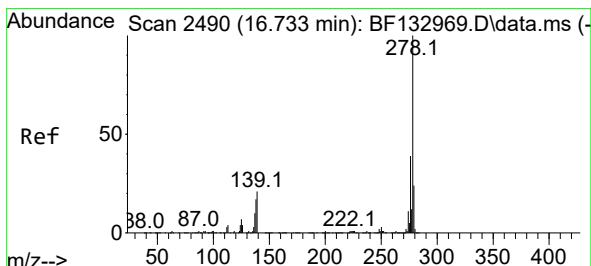
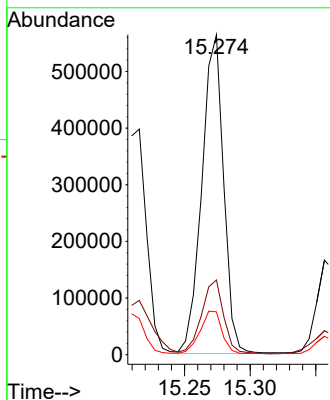
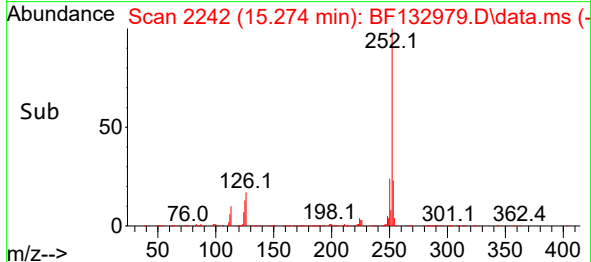
Tgt Ion:252 Resp: 651810
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 13.4 10.5 15.7

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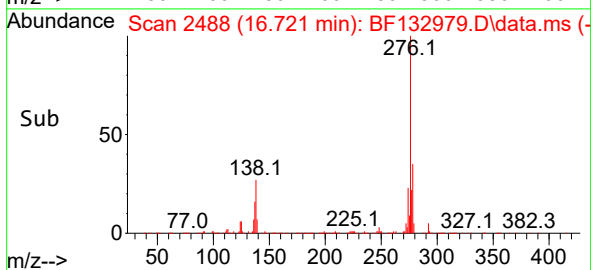
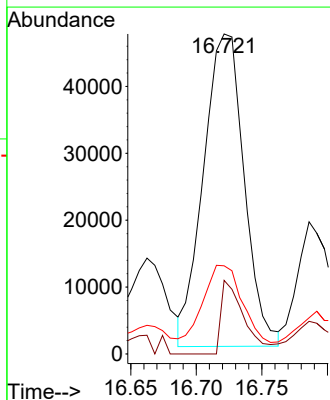
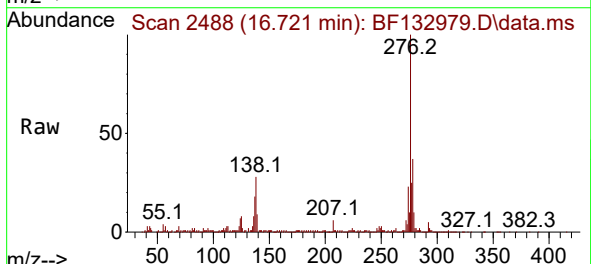
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Supervised By :Jagrut
Upadhyay

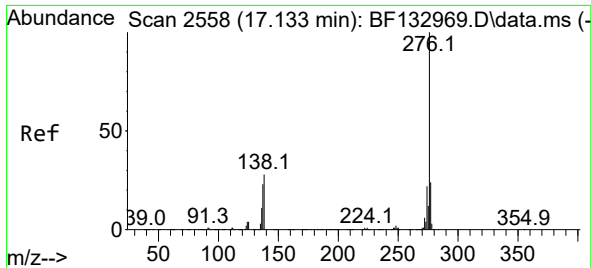
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#91
Dibenzo(a,h)anthracene
Concen: 5.773 ng
RT: 16.721 min Scan# 2488
Delta R.T. -0.012 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

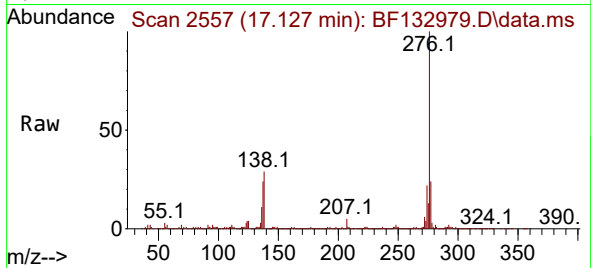
Tgt Ion:278 Resp: 100951
Ion Ratio Lower Upper
278 100
139 23.0 16.6 24.8
279 27.5 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 19.387 ng
RT: 17.127 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132979.D
Acq: 21 Apr 2023 20:33

Instrument :
BNA_F
ClientSampleId :
SB-24-0-2-20230411



Tgt Ion:276 Resp: 33466
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 29.3 22.7 34.1

Manual Integrations
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Giraldo

04/24/2023
Supervised By :Jagrut
Upadhyay

04/24/2023

