

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130982.D
 Acq On : 04 Nov 2022 03:11
 Operator : CG\JU
 Sample : N5416-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-1

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

11/04/2022
 Supervised By :Sohil
 Jodhani

Quant Time: Nov 04 06:27:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	79905	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	265497	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	130974	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	248337	20.000	ng	0.00
76) Chrysene-d12	14.110	240	154444	20.000	ng	# 0.00
86) Perylene-d12	15.627	264	108446	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	326080	70.746	ng	0.00
7) Phenol-d6	6.539	99	578439	96.574	ng	0.00
23) Nitrobenzene-d5	7.481	82	350763	79.664	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	53911	48.897	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	568533	65.628	ng	0.00
79) Terphenyl-d14	13.051	244	623999	74.036	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.228	128	35038	2.529	ng	96
49) Acenaphthylene	9.828	152	29364	2.483	ng	98
52) Acenaphthene	9.998	154	18440	2.522	ng	97
58) Fluorene	10.516	166	33925	4.065	ng	93
71) Phenanthrene	11.486	178	259869	20.275	ng	100
72) Anthracene	11.533	178	80413	6.361	ng	98
75) Fluoranthene	12.680	202	343325	25.210	ng	98
78) Pyrene	12.910	202	321060	24.640	ng	100
81) Benzo(a)anthracene	14.104	228	131970	12.888	ng	93
83) Chrysene	14.139	228	116596m	11.805	ng	
84) Bis(2-ethylhexyl)phtha...	14.080	149	16379	2.906	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.168	276	46906	6.513	ng	# 93
88) Benzo(b)fluoranthene	15.180	252	113504m	16.191	ng	
89) Benzo(k)fluoranthene	15.204	252	31549m	4.618	ng	
90) Benzo(a)pyrene	15.562	252	80234	14.237	ng	# 90
91) Dibenzo(a,h)anthracene	17.186	278	13076	2.227	ng	# 49
92) Benzo(g,h,i)perylene	17.639	276	44778	7.476	ng	# 86

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

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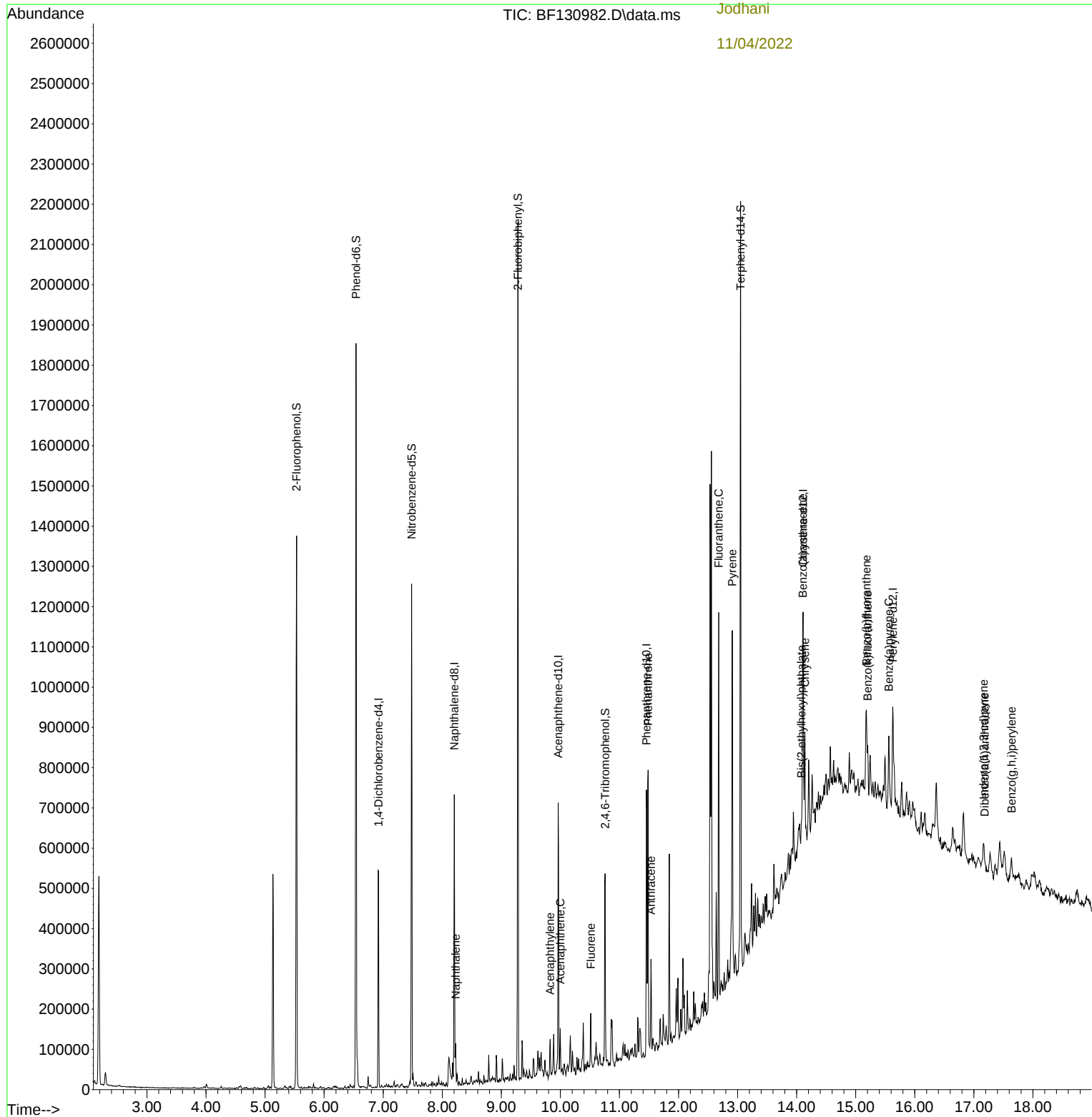
Quant Time: Nov 04 06:27:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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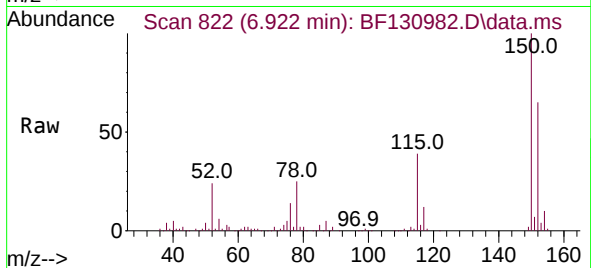
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



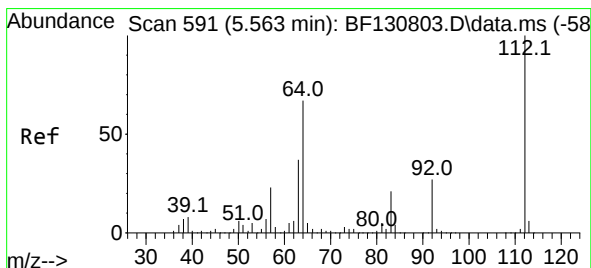
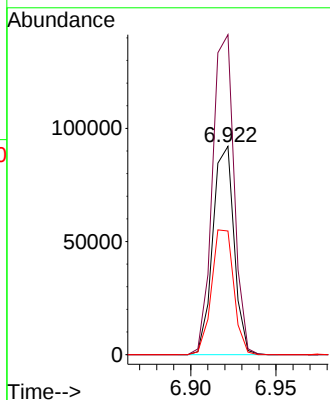
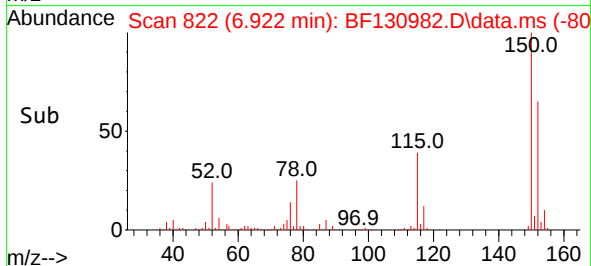
Tgt Ion:152 Resp: 79905
Ion Ratio Lower Upper
152 100
150 153.7 124.1 186.1
115 59.3 50.1 75.1

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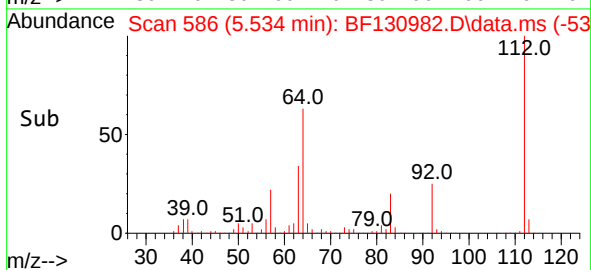
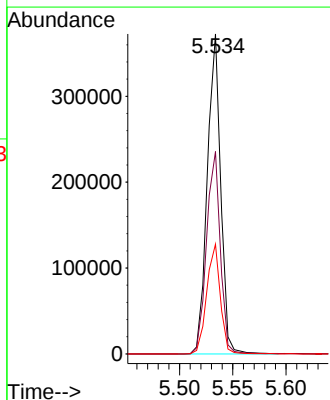
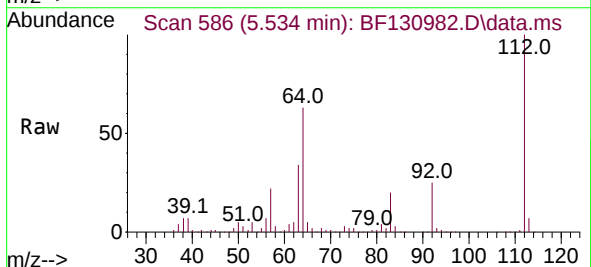
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#5
2-Fluorophenol
Concen: 70.746 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

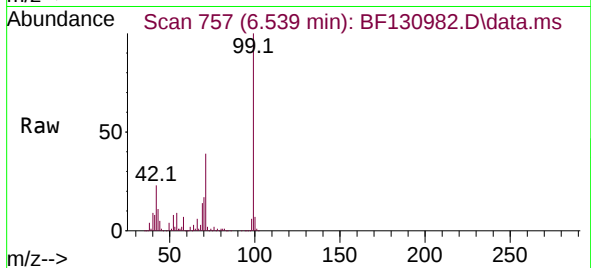
Tgt Ion:112 Resp: 326080
Ion Ratio Lower Upper
112 100
64 63.2 53.9 80.9
63 34.3 29.4 44.2





#7
Phenol-d6
Concen: 96.574 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



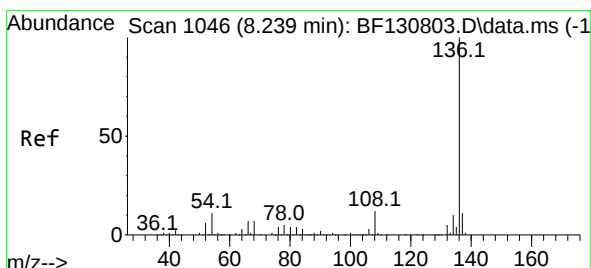
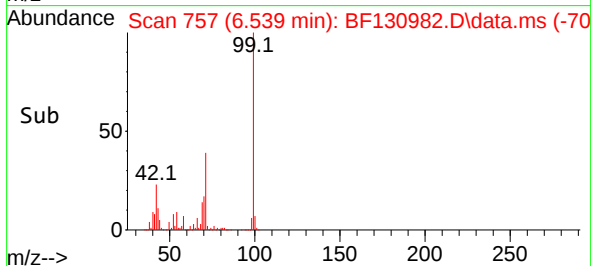
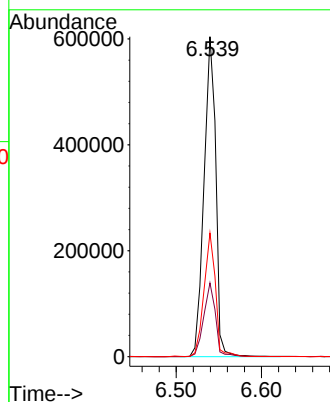
Tgt Ion: 99 Resp: 578439
Ion Ratio Lower Upper
99 100
42 23.0 18.8 28.2
71 38.6 31.4 47.0

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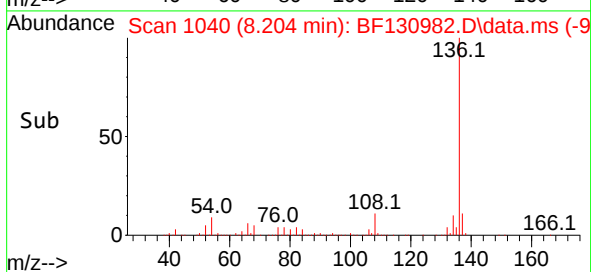
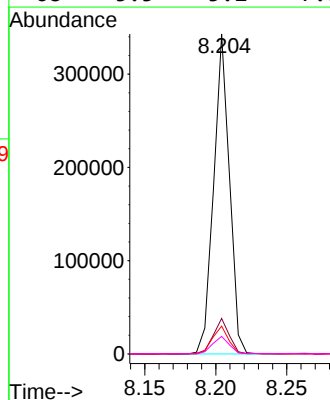
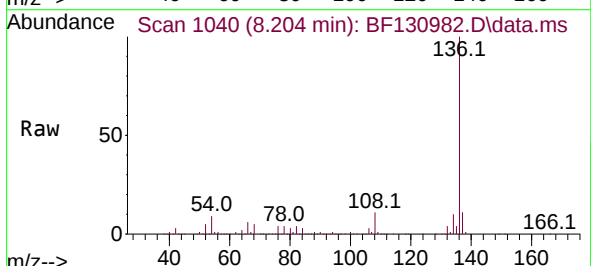
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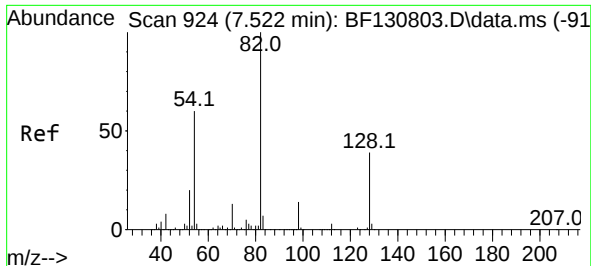
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

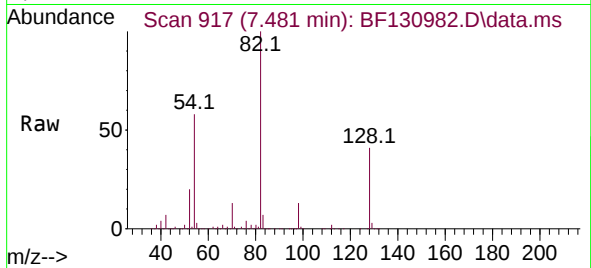
Tgt Ion:136 Resp: 265497
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 8.7 8.8 13.2#
68 5.5 5.2 7.8





#23
Nitrobenzene-d5
Concen: 79.664 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



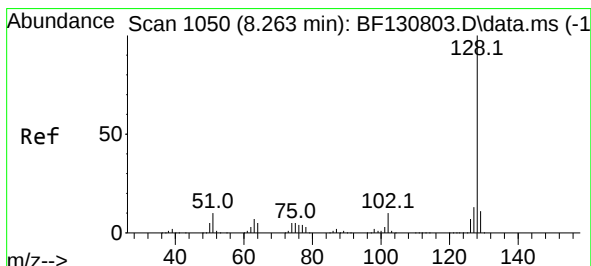
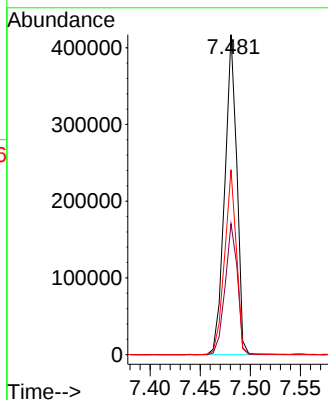
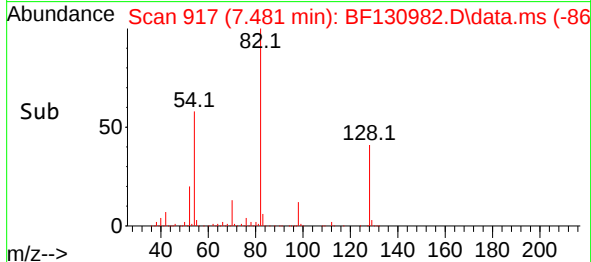
Tgt Ion: 82 Resp: 350763
Ion Ratio Lower Upper
82 100
128 40.9 31.2 46.8
54 57.8 48.0 72.0

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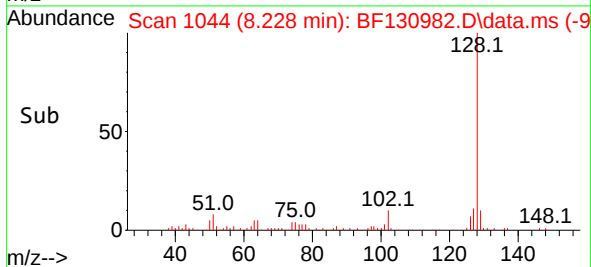
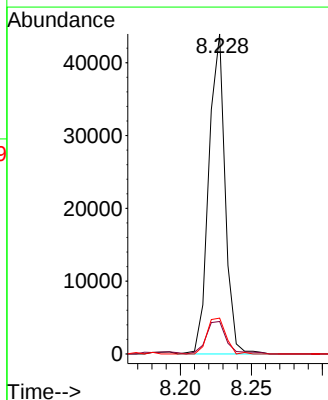
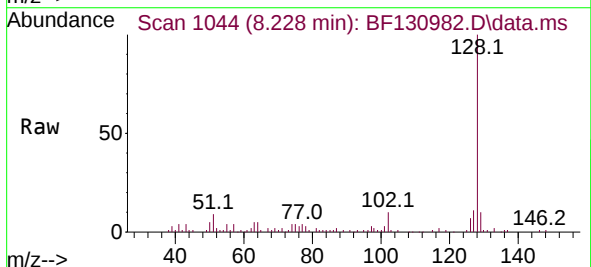
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Supervised By :Sohil
Jodhani

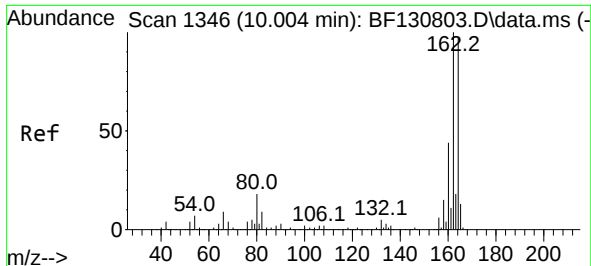
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#31
Naphthalene
Concen: 2.529 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

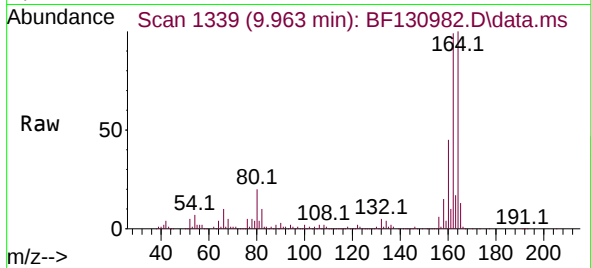
Tgt Ion:128 Resp: 35038
Ion Ratio Lower Upper
128 100
129 10.1 9.0 13.6
127 11.2 10.6 16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



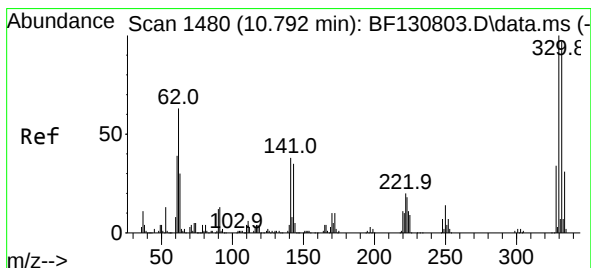
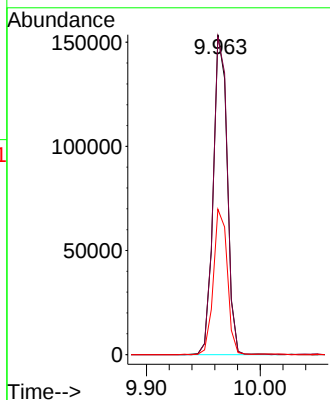
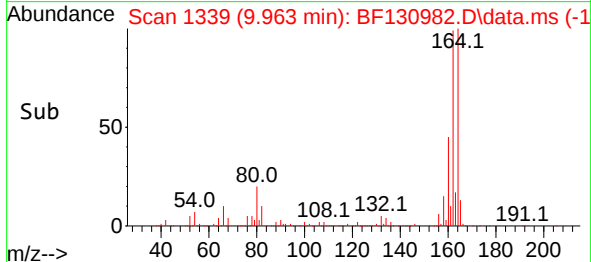
Tgt Ion:164 Resp: 130974
Ion Ratio Lower Upper
164 100
162 99.3 82.2 123.2
160 45.4 36.6 54.8

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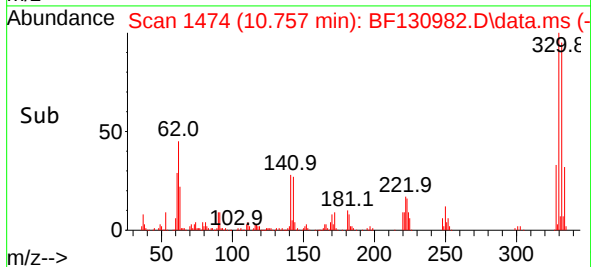
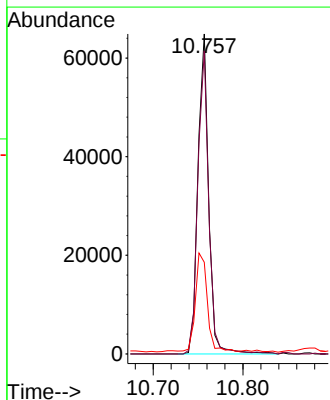
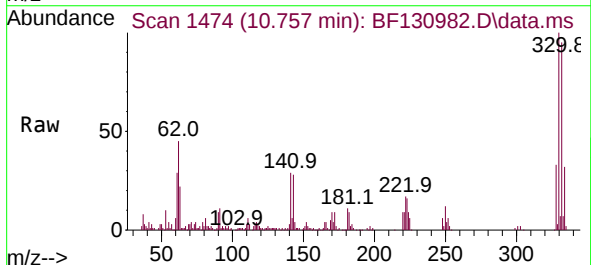
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Supervised By :Sohil
Jodhani

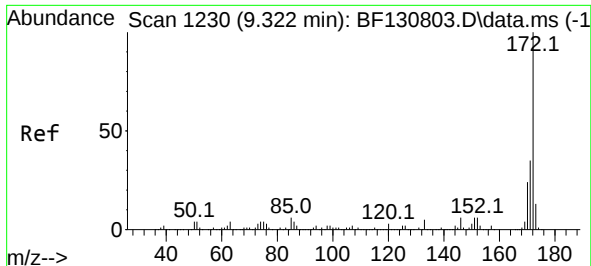
11/04/2022



#42
2,4,6-Tribromophenol
Concen: 48.897 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

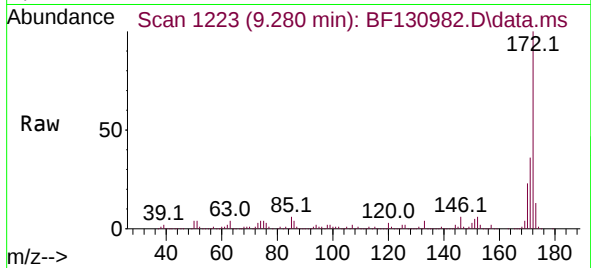
Tgt Ion:330 Resp: 53911
Ion Ratio Lower Upper
330 100
332 96.3 76.2 114.4
141 34.8 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 65.628 ng
RT: 9.280 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



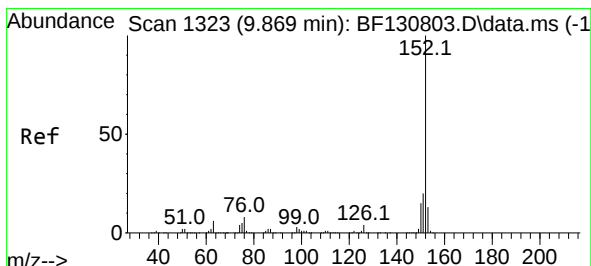
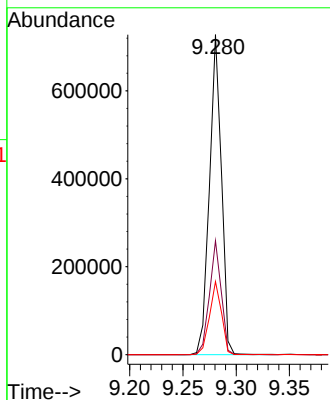
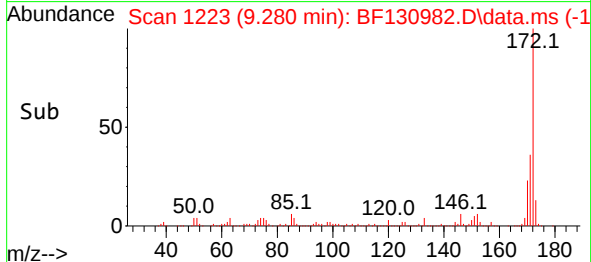
Tgt Ion:172 Resp: 568533
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 22.8 19.0 28.4

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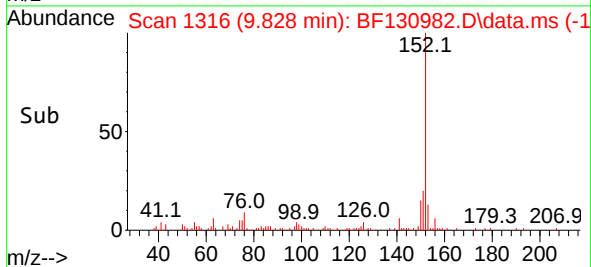
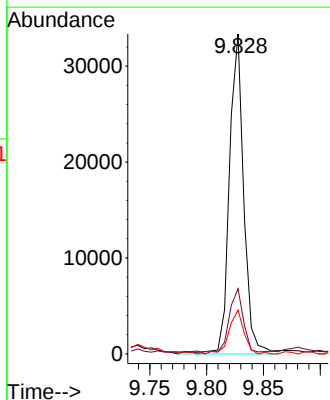
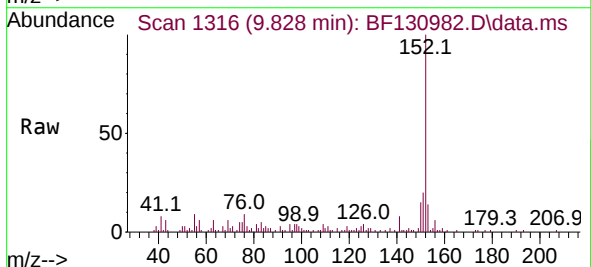
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Supervised By :Sohil
Jodhani

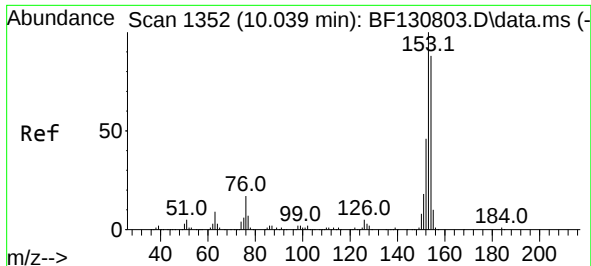
11/04/2022



#49
Acenaphthylene
Concen: 2.483 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

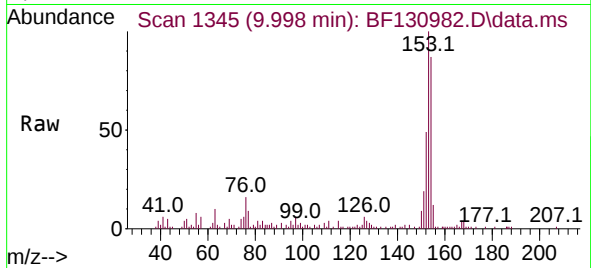
Tgt Ion:152 Resp: 29364
Ion Ratio Lower Upper
152 100
151 20.4 15.8 23.8
153 13.7 10.2 15.4





#52
Acenaphthene
Concen: 2.522 ng
RT: 9.998 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
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CC-1



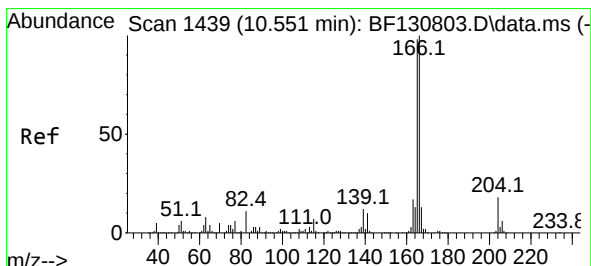
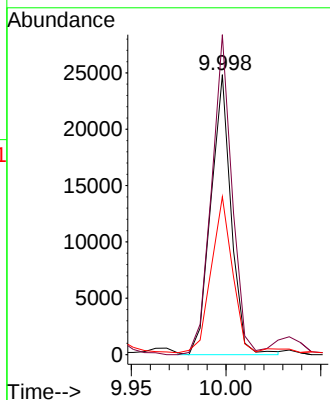
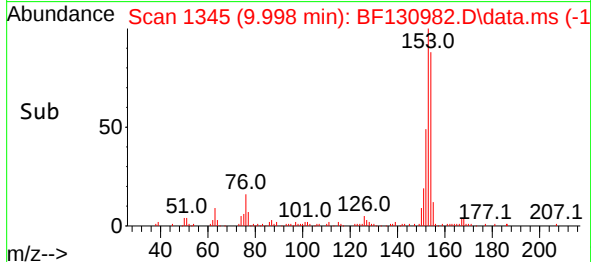
Tgt Ion:154 Resp: 18440
Ion Ratio Lower Upper
154 100
153 114.3 90.5 135.7
152 56.4 42.0 63.0

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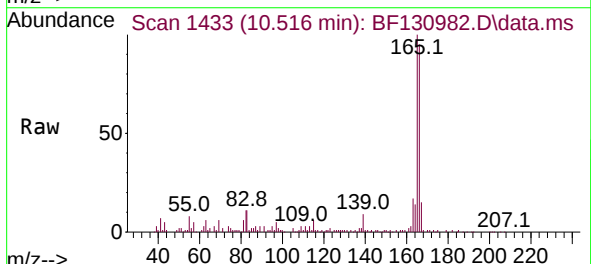
Reviewed By :Christian
Giraldo

11/04/2022
Supervised By :Sohil
Jodhani

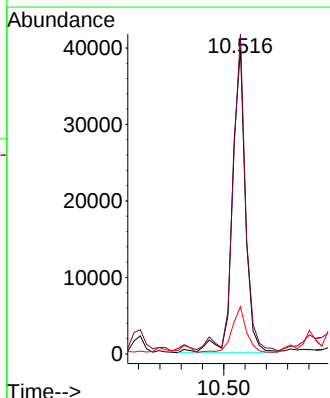
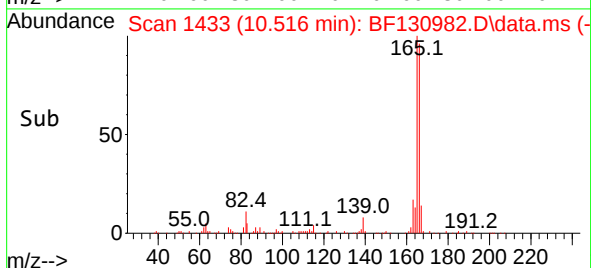
11/04/2022

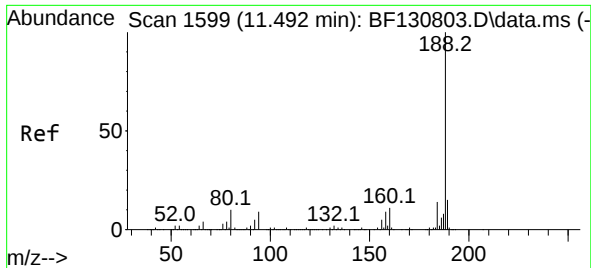


#58
Fluorene
Concen: 4.065 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11



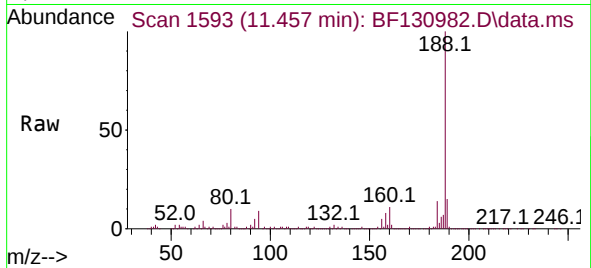
Tgt Ion:166 Resp: 33925
Ion Ratio Lower Upper
166 100
165 104.8 78.1 117.1
167 15.5 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
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ClientSampleId :
CC-1



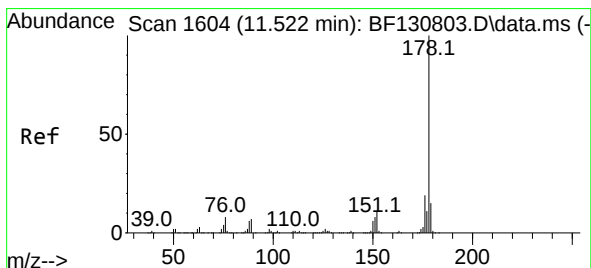
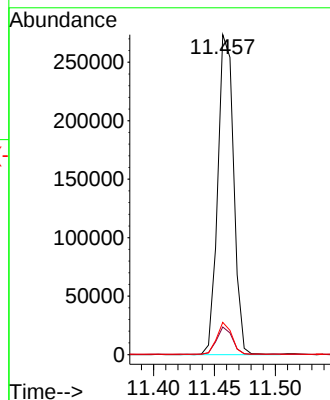
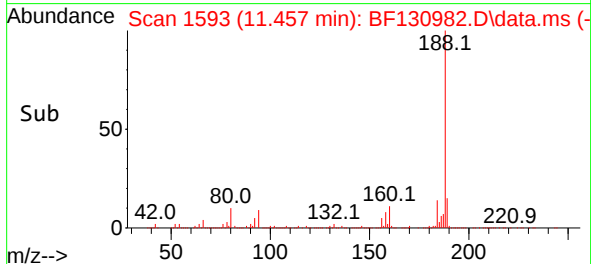
Tgt Ion:188 Resp: 248337
Ion Ratio Lower Upper
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94 8.6 7.4 11.2
80 10.1 8.0 12.0

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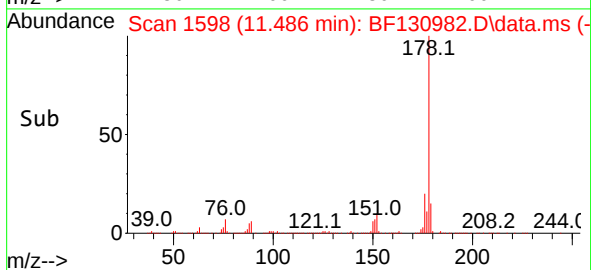
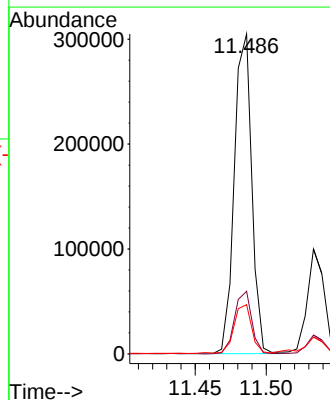
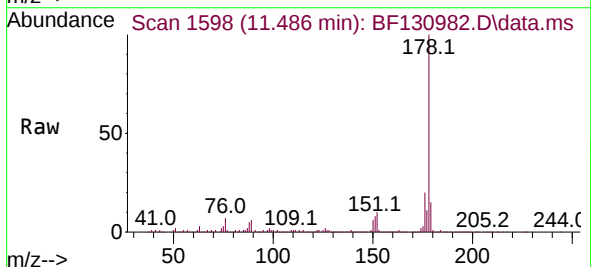
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Supervised By :Sohil
Jodhani

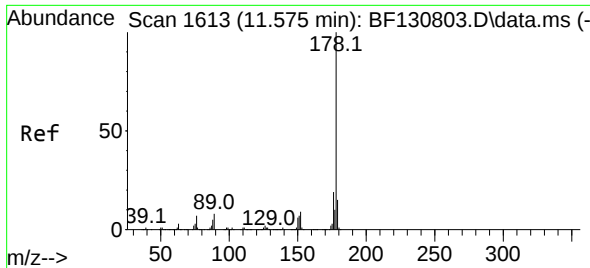
11/04/2022



#71
Phenanthrene
Concen: 20.275 ng
RT: 11.486 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

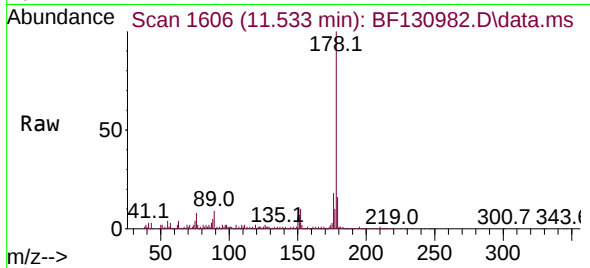
Tgt Ion:178 Resp: 259869
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.4 12.2 18.2





#72
 Anthracene
 Concen: 6.361 ng
 RT: 11.533 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: BF130982.D
 Acq: 04 Nov 2022 03:11

Instrument :
 BNA_F
 ClientSampleId :
 CC-1



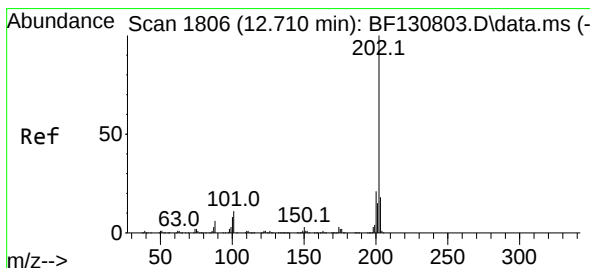
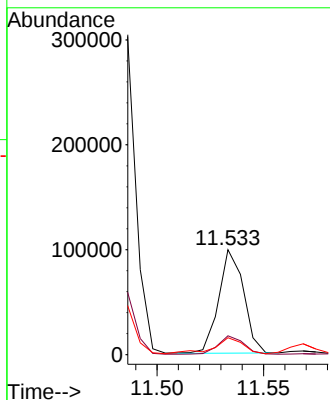
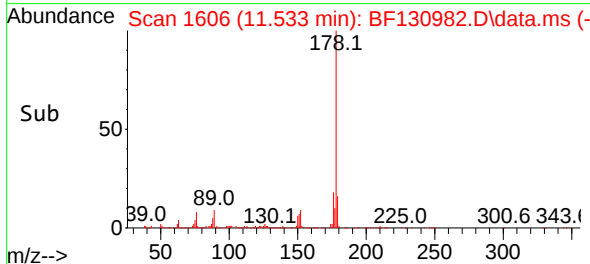
Tgt Ion:178 Resp: 80413
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.0
 179 16.1 12.2 18.4

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Reviewed By :Christian
 Giraldo

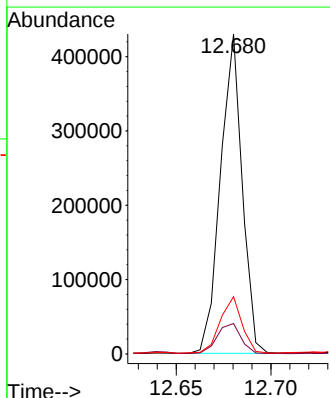
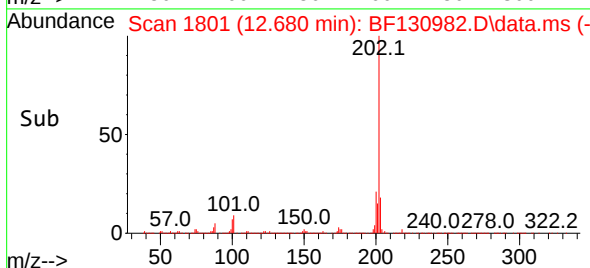
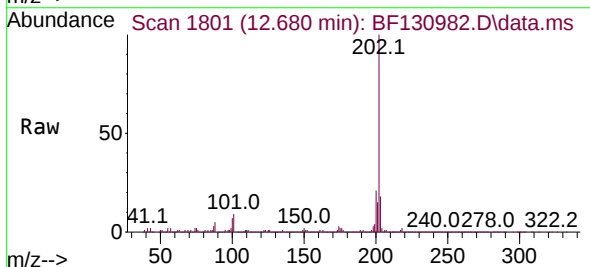
11/04/2022
 Supervised By :Sohil
 Jodhani

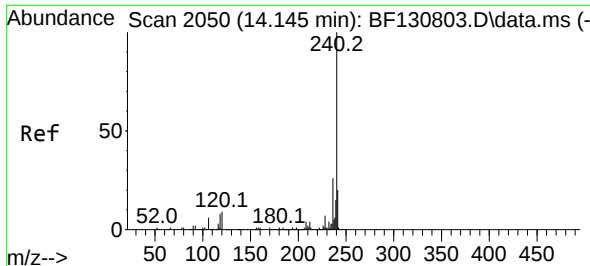
11/04/2022



#75
 Fluoranthene
 Concen: 25.210 ng
 RT: 12.680 min Scan# 1801
 Delta R.T. 0.006 min
 Lab File: BF130982.D
 Acq: 04 Nov 2022 03:11

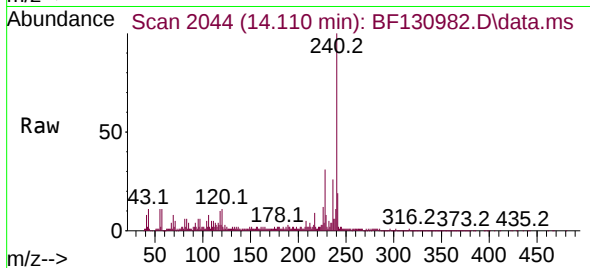
Tgt Ion:202 Resp: 343325
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.9
 203 17.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



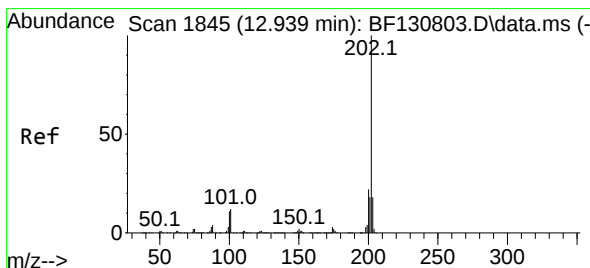
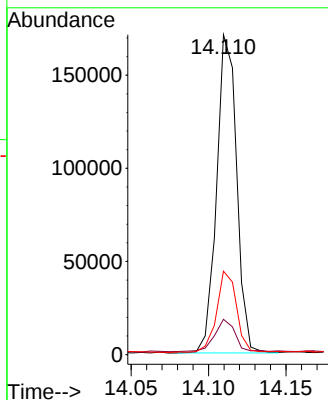
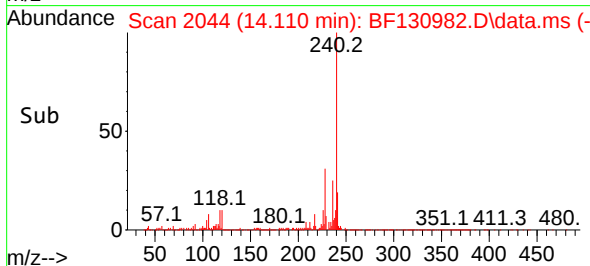
Tgt Ion:240 Resp: 154444
Ion Ratio Lower Upper
240 100
120 11.1 7.0 10.4
236 26.1 20.5 30.7

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Reviewed By :Christian
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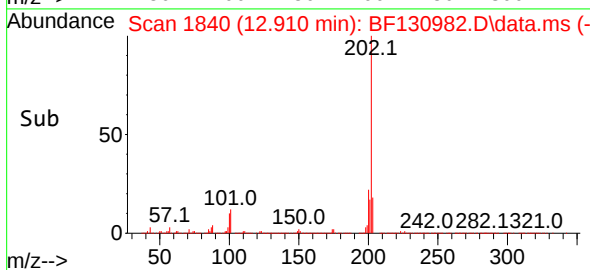
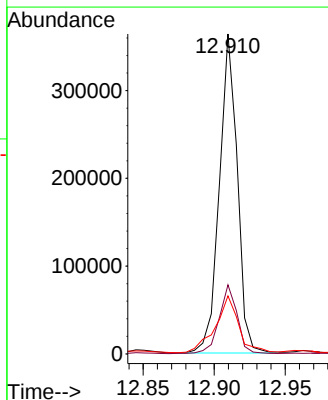
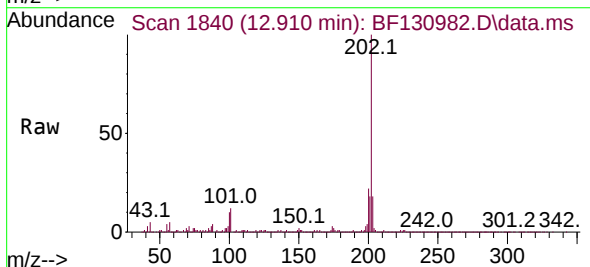
11/04/2022
Supervised By :Sohil
Jodhani

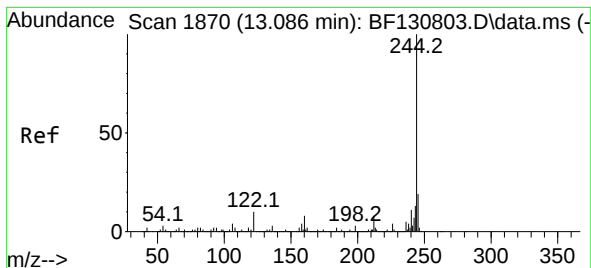
11/04/2022



#78
Pyrene
Concen: 24.640 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion:202 Resp: 321060
Ion Ratio Lower Upper
202 100
200 21.6 17.2 25.8
203 18.1 14.5 21.7





#79

Terphenyl-d14

Concen: 74.036 ng

RT: 13.051 min Scan# 1864

Delta R.T. 0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

Instrument :

BNA_F

ClientSampleId :

CC-1

Tgt Ion:244 Resp: 623999

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

122 9.8 7.9 11.9

Manual Integrations

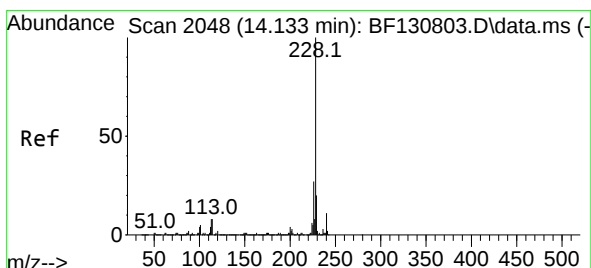
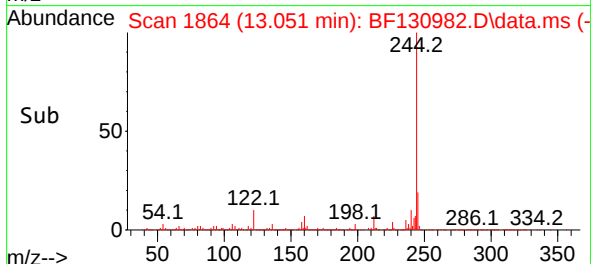
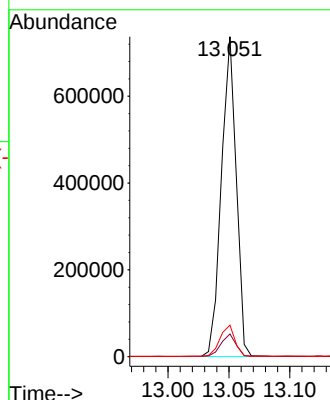
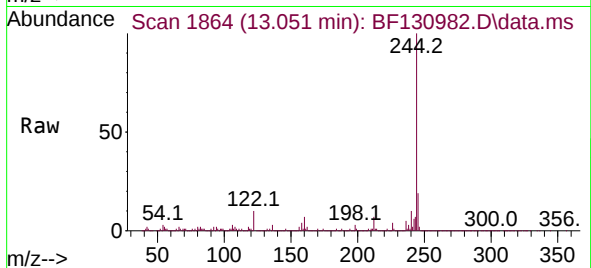
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Reviewed By :Christian
Giraldo

11/04/2022

Supervised By :Sohil
Jodhani

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#81

Benzo(a)anthracene

Concen: 12.888 ng

RT: 14.104 min Scan# 2043

Delta R.T. 0.006 min

Lab File: BF130982.D

Acq: 04 Nov 2022 03:11

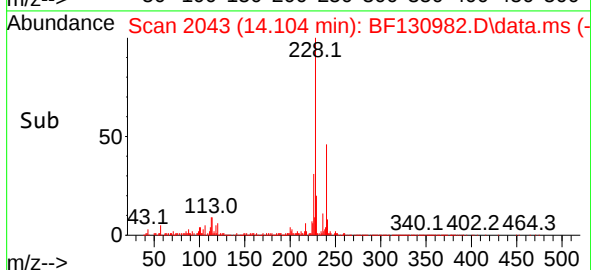
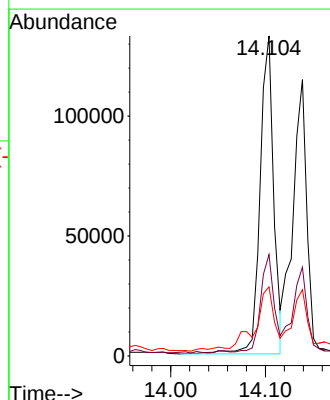
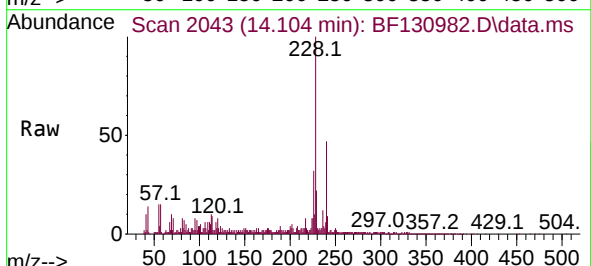
Tgt Ion:228 Resp: 131970

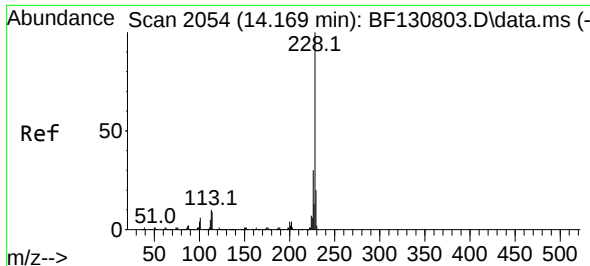
Ion Ratio Lower Upper

228 100

226 31.7 21.4 32.2

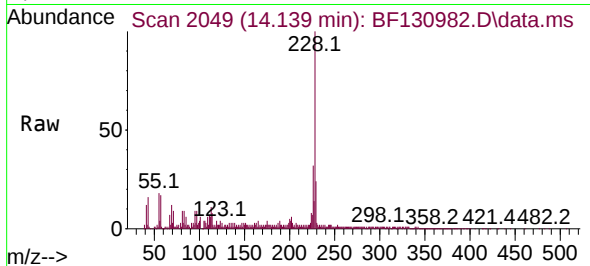
229 21.6 15.8 23.6





#83
Chrysene
Concen: 11.805 ng m
RT: 14.139 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



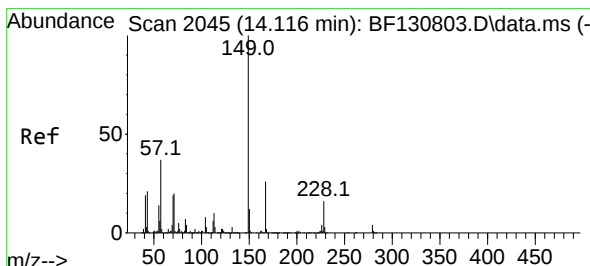
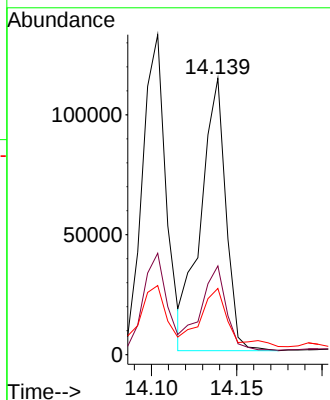
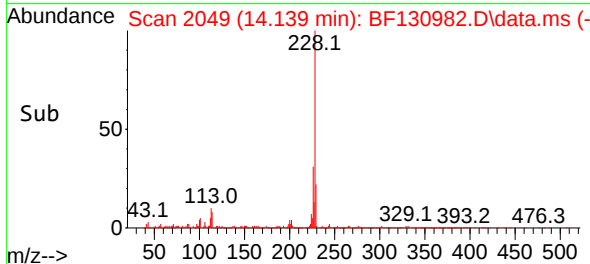
Tgt Ion:228 Resp: 116596
Ion Ratio Lower Upper
228 100
226 32.1 23.9 35.9
229 24.0 15.8 23.6

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Reviewed By :Christian
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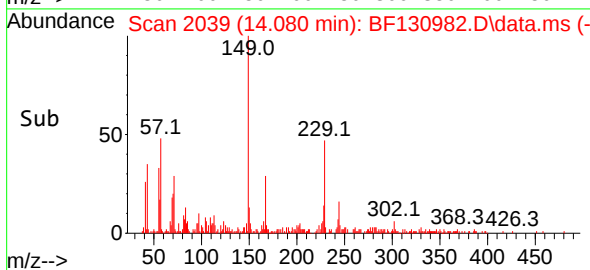
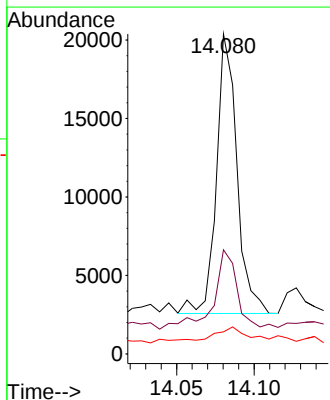
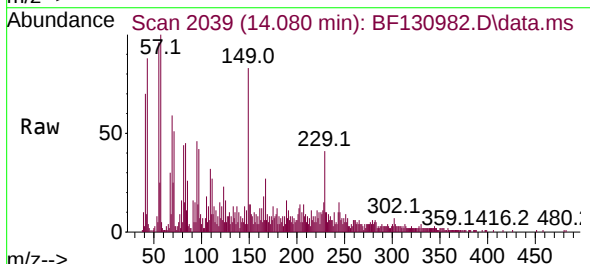
11/04/2022
Supervised By :Sohil
Jodhani

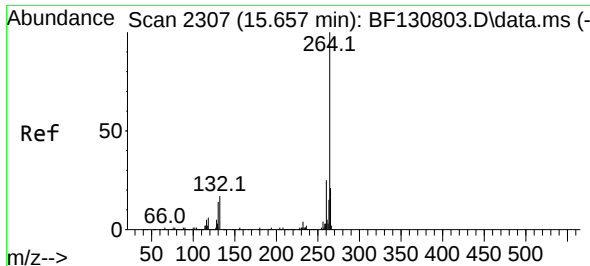
11/04/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.906 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Tgt Ion:149 Resp: 16379
Ion Ratio Lower Upper
149 100
167 32.5 21.0 31.4#
279 6.9 3.0 4.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2307
Delta R.T. 0.018 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1

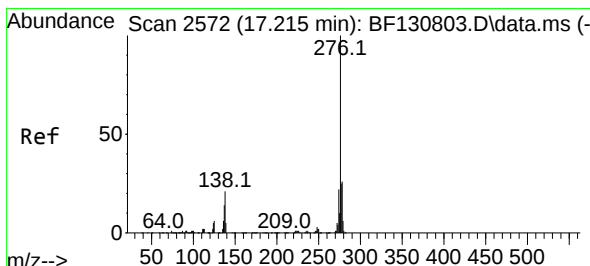
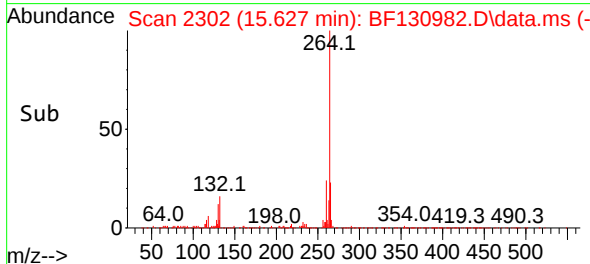
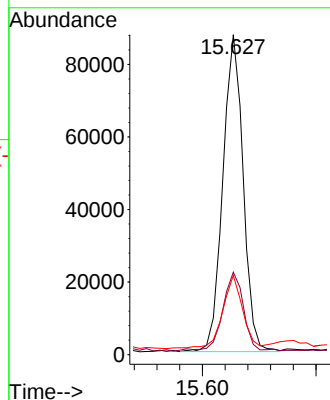
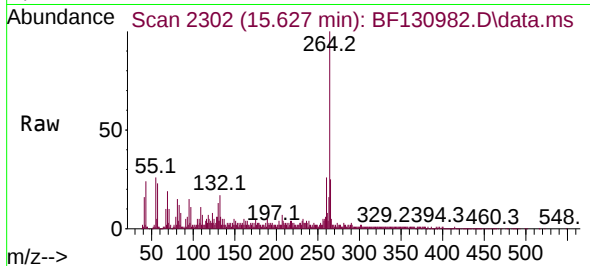
Tgt Ion:264 Resp: 108446
Ion Ratio Lower Upper
264 100
260 25.8 19.9 29.9
265 24.7 17.0 25.6

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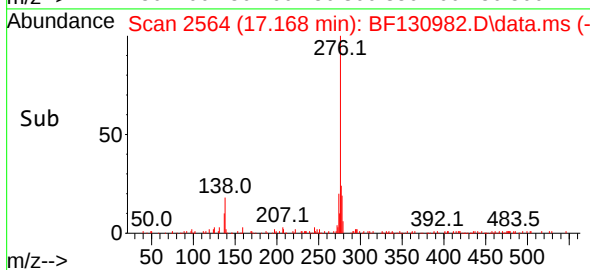
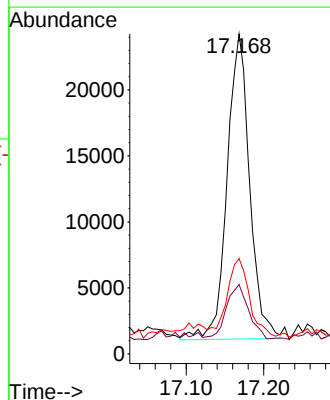
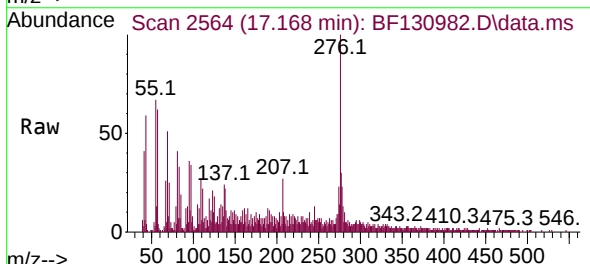
11/04/2022
Supervised By :Sohil
Jodhani

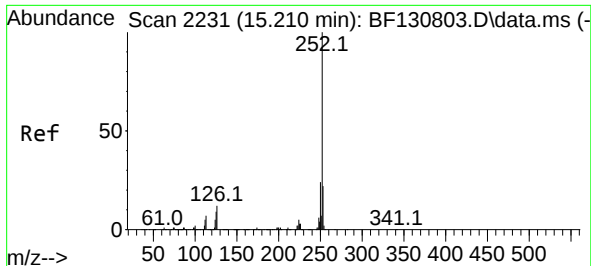
11/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.513 ng
RT: 17.168 min Scan# 2564
Delta R.T. 0.023 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

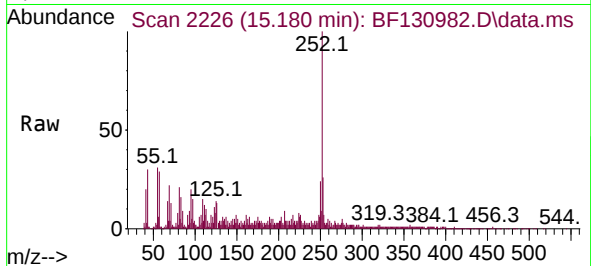
Tgt Ion:276 Resp: 46906
Ion Ratio Lower Upper
276 100
138 17.1 19.1 28.7#
277 24.8 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 16.191 ng m
RT: 15.180 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



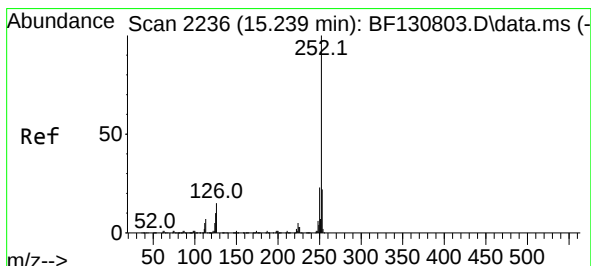
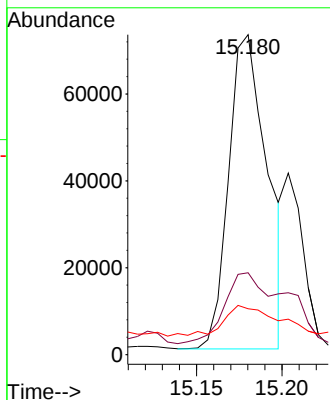
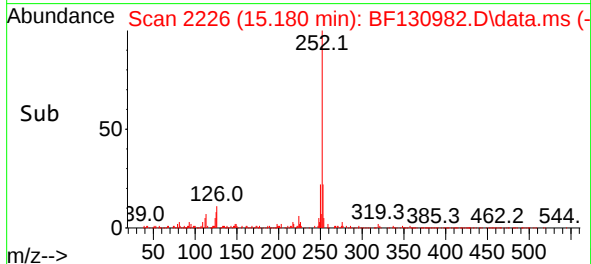
Tgt Ion:252 Resp: 113504
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 14.4 7.0 10.4

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Reviewed By :Christian
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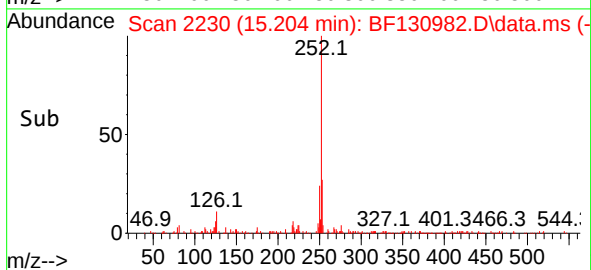
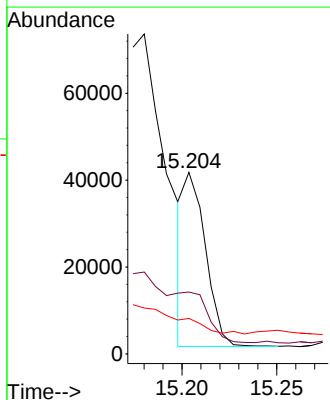
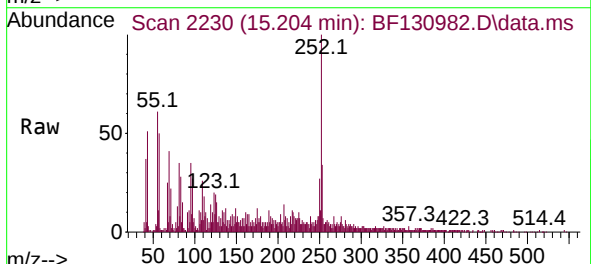
11/04/2022
Supervised By :Sohil
Jodhani

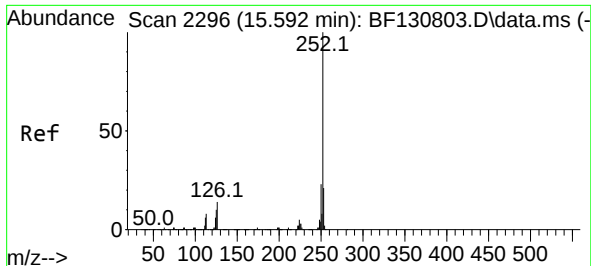
11/04/2022



#89
Benzo(k)fluoranthene
Concen: 4.618 ng m
RT: 15.204 min Scan# 2230
Delta R.T. 0.006 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

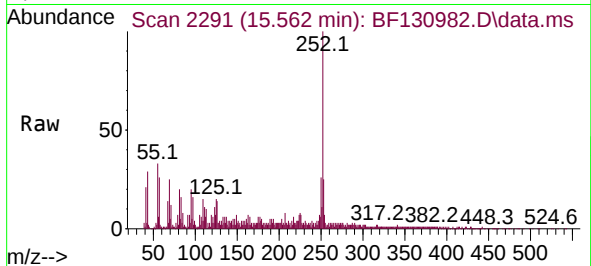
Tgt Ion:252 Resp: 31549
Ion Ratio Lower Upper
252 100
253 34.1 17.5 26.3#
125 19.5 8.0 12.0#





#90
Benzo(a)pyrene
Concen: 14.237 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



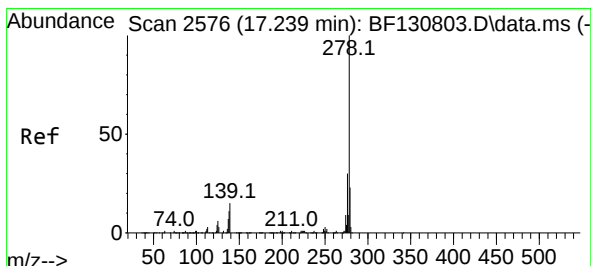
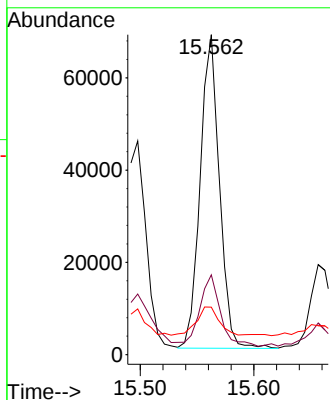
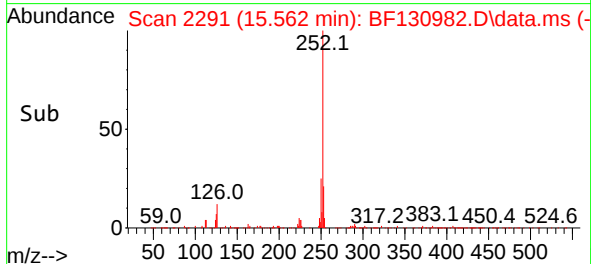
Tgt Ion:252 Resp: 80234
Ion Ratio Lower Upper
252 100
253 25.0 16.8 25.2
125 14.8 8.3 12.5

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Reviewed By :Christian
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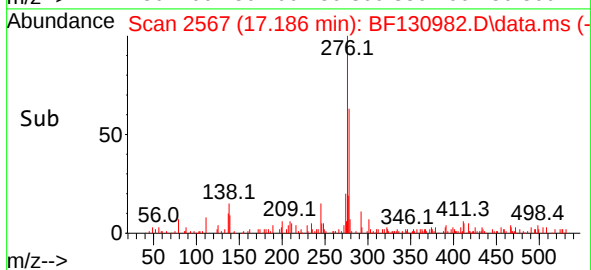
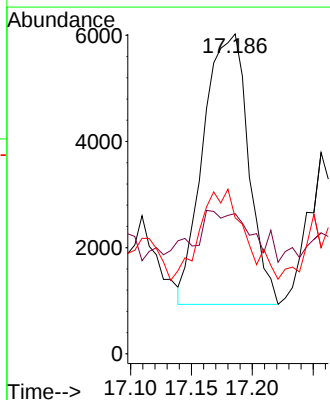
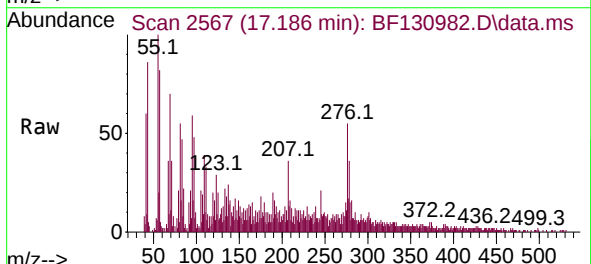
11/04/2022
Supervised By :Sohil
Jodhani

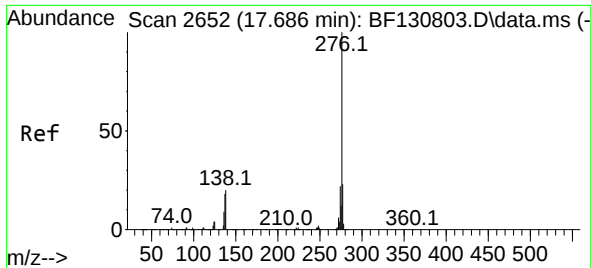
11/04/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.227 ng
RT: 17.186 min Scan# 2567
Delta R.T. 0.023 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

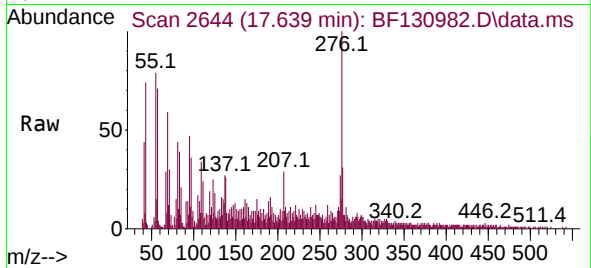
Tgt Ion:278 Resp: 13076
Ion Ratio Lower Upper
278 100
139 43.8 11.9 17.9#
279 42.5 18.6 28.0#





#92
Benzo(g,h,i)perylene
Concen: 7.476 ng
RT: 17.639 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF130982.D
Acq: 04 Nov 2022 03:11

Instrument :
BNA_F
ClientSampleId :
CC-1



Tgt Ion:276 Resp: 44778
Ion Ratio Lower Upper
276 100
277 31.2 18.8 28.2
138 26.3 16.3 24.5

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Reviewed By :Christian
Giraldo

11/04/2022
Supervised By :Sohil
Jodhani

11/04/2022

