

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132592.D
 Acq On : 01 Mar 2023 15:39
 Operator : CG\JU
 Sample : 01736-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/02/2023
 Supervised By :Jagrut Upadhyay 03/02/2023

Quant Time: Mar 02 03:17:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							03/02/2023 Supervised By :Jagrut Upadhyay
1) 1,4-Dichlorobenzene-d4	7.004	152	179107	20.000	ng	0.00	
21) Naphthalene-d8	8.286	136	618257	20.000	ng	0.00	
39) Acenaphthene-d10	10.051	164	260374	20.000	ng	0.00	
64) Phenanthrene-d10	11.545	188	434434	20.000	ng	0.00	
76) Chrysene-d12	14.204	240	399575	20.000	ng	# 0.00	
86) Perylene-d12	15.757	264	357141	20.000	ng	0.00	03/02/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.628	112	1055225	95.619	ng	0.00	
7) Phenol-d6	6.628	99	1274246	88.473	ng	0.00	
23) Nitrobenzene-d5	7.563	82	802018	61.546	ng	0.00	
42) 2,4,6-Tribromophenol	10.839	330	221569	78.796	ng	0.00	
45) 2-Fluorobiphenyl	9.363	172	1123538	65.704	ng	0.00	
79) Terphenyl-d14	13.139	244	1128887	47.767	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.310	128	75107	2.373	ng		98
37) 2-Methylnaphthalene	8.998	142	74672	3.462	ng		99
38) 1-Methylnaphthalene	9.098	142	75607	3.751	ng		99
49) Acenaphthylene	9.910	152	110060	4.426	ng		99
52) Acenaphthene	10.080	154	36731	2.326	ng		97
58) Fluorene	10.598	166	80417	4.567	ng		94
71) Phenanthrene	11.569	178	471074	20.931	ng		98
72) Anthracene	11.616	178	141761	6.117	ng		98
75) Fluoranthene	12.769	202	818347	33.261	ng		99
78) Pyrene	13.004	202	954151	26.265	ng		100
81) Benzo(a)anthracene	14.192	228	572693	19.155	ng		94
83) Chrysene	14.227	228	522663	18.695	ng		97
87) Indeno(1,2,3-cd)pyrene	17.356	276	212933	9.099	ng		96
88) Benzo(b)fluoranthene	15.292	252	618983m	25.862	ng		
89) Benzo(k)fluoranthene	15.321	252	239912m	10.242	ng		
90) Benzo(a)pyrene	15.692	252	455034	20.314	ng		97
91) Dibenzo(a,h)anthracene	17.362	278	55324	2.902	ng	#	86
92) Benzo(g,h,i)perylene	17.845	276	198207	10.503	ng		97

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

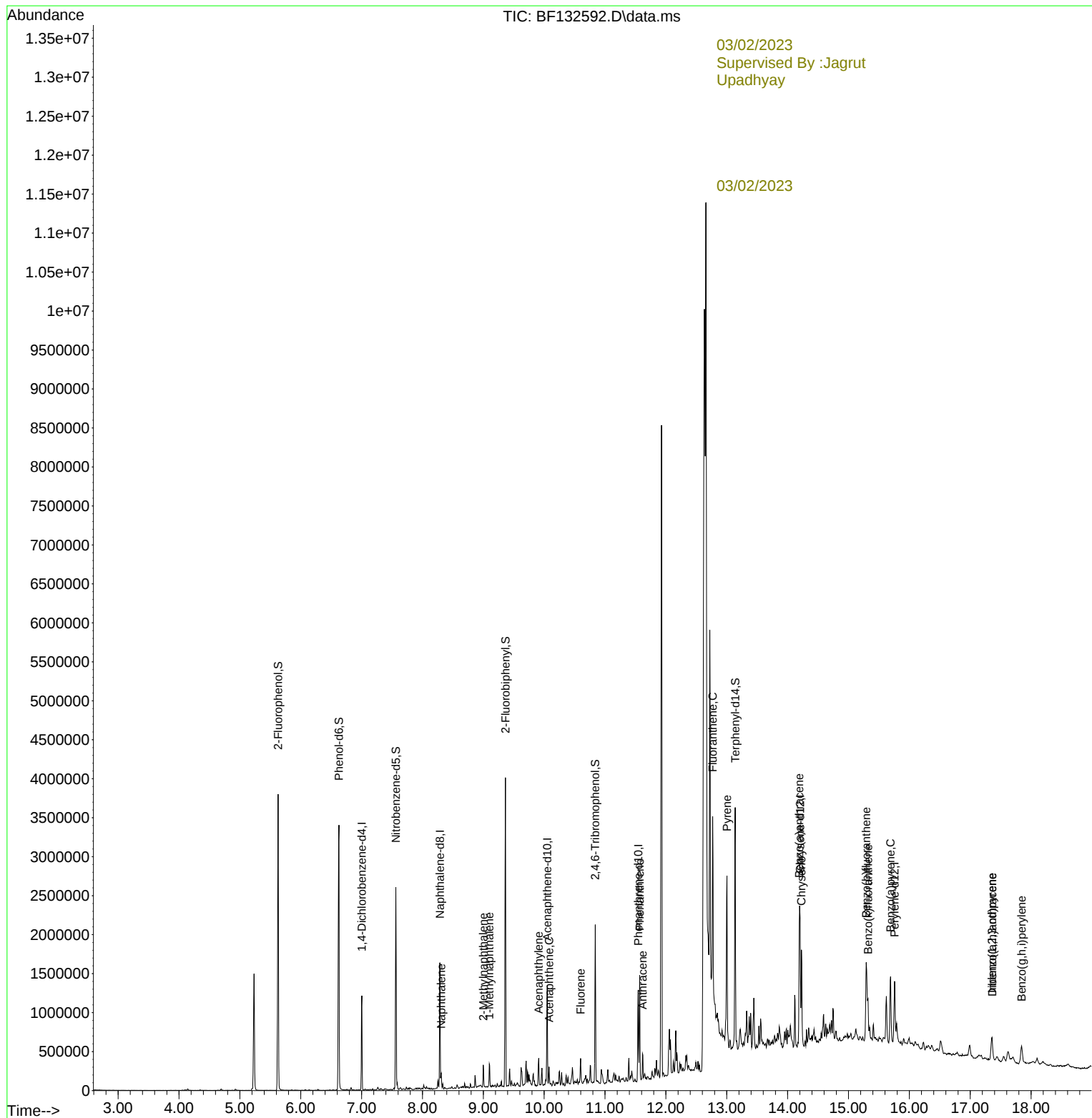
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
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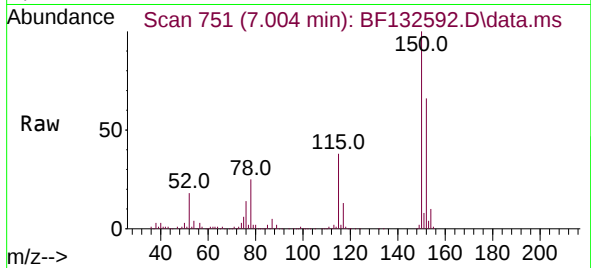
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Supervised By :Jagrut Upadhyay 03/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 710
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

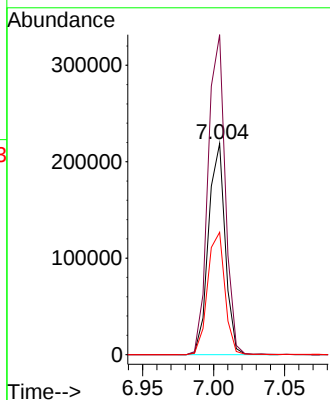
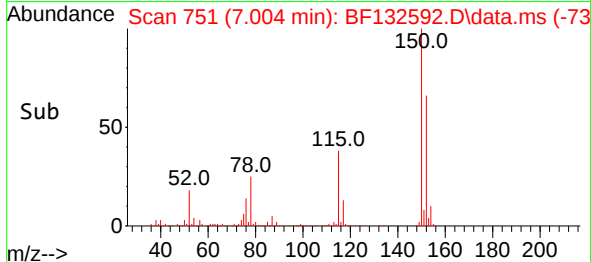
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:152 Resp: 179107
Ion Ratio Lower Upper
152 100
150 151.6 125.4 188.2
115 58.0 47.8 71.6

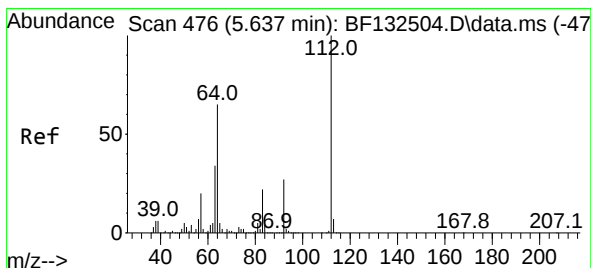
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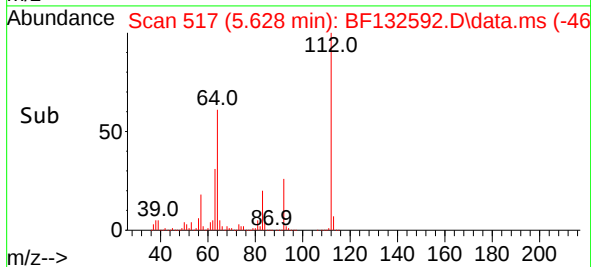
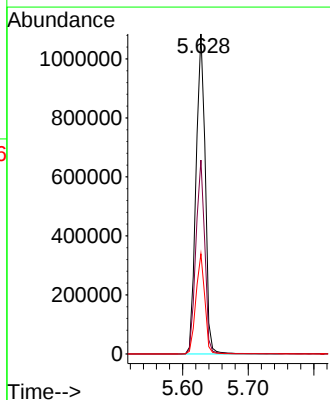
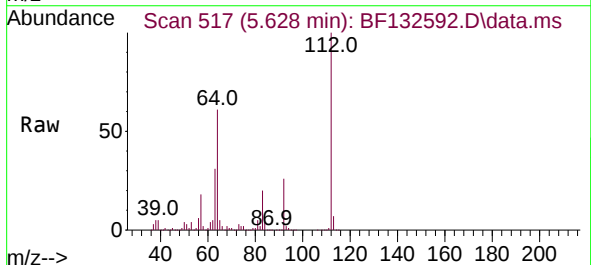
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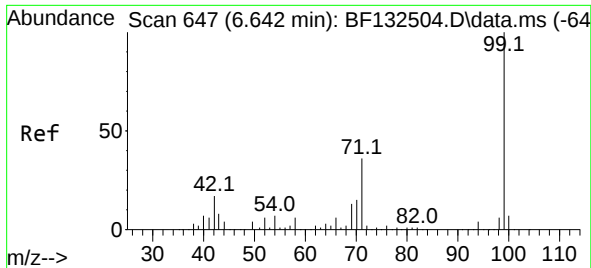
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#5
2-Fluorophenol
Concen: 95.619 ng
RT: 5.628 min Scan# 517
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

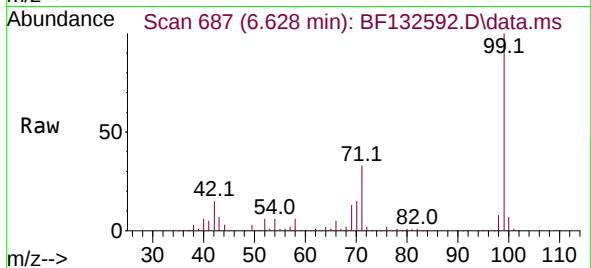
Tgt Ion:112 Resp: 1055225
Ion Ratio Lower Upper
112 100
64 60.6 51.6 77.4
63 31.3 27.4 41.2





#7
Phenol-d6
Concen: 88.473 ng
RT: 6.628 min Scan# 687
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

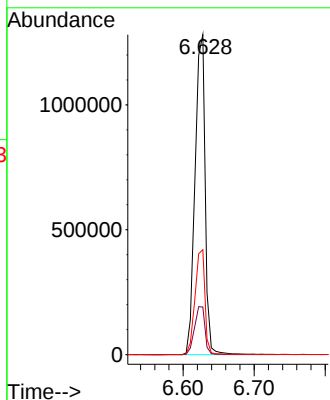
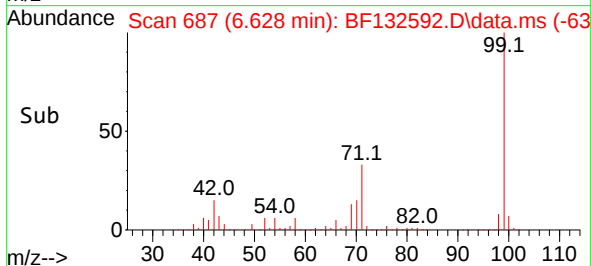
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion: 99 Resp: 1274246
Ion Ratio Lower Upper
99 100
42 14.9 13.9 20.9
71 32.8 28.5 42.7

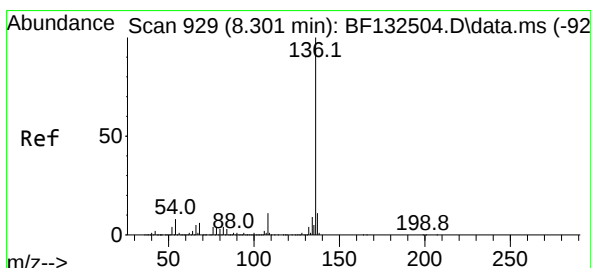
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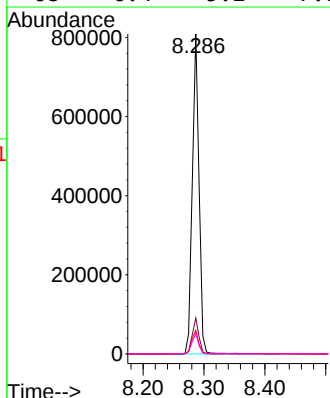
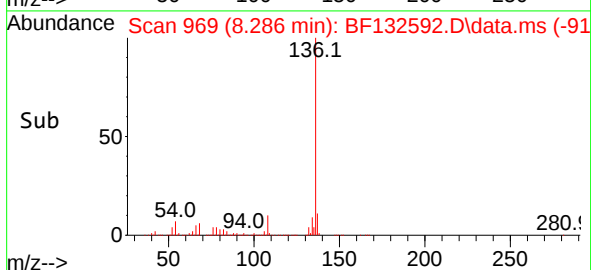
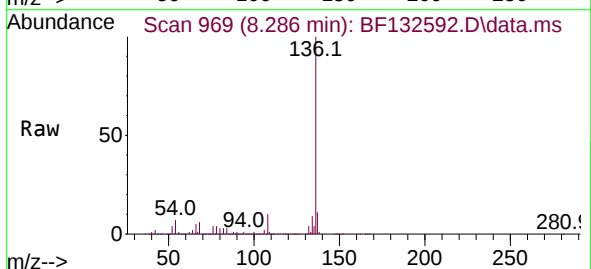
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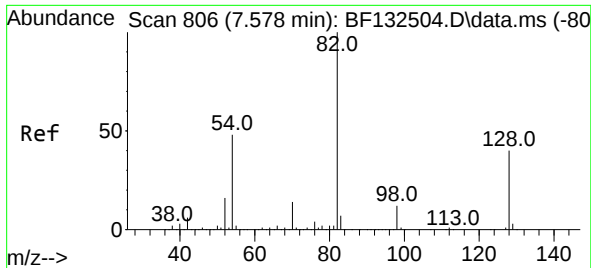
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:136 Resp: 618257
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.4 6.2 9.4
68 6.4 5.2 7.8





#23

Nitrobenzene-d5

Concen: 61.546 ng

RT: 7.563 min Scan# 84

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

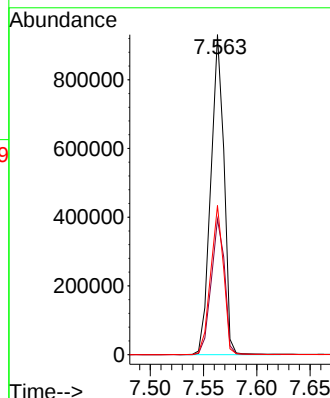
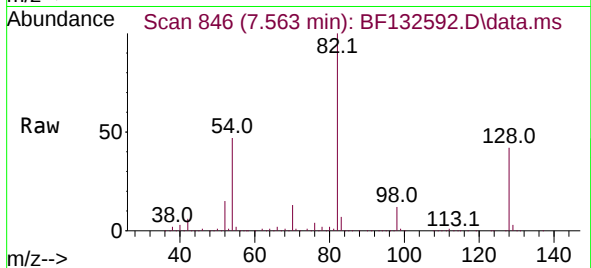
Tgt Ion: 82 Resp: 802018
 Ion Ratio Lower Upper
 82 100
 128 42.3 32.2 48.2
 54 46.6 38.4 57.6

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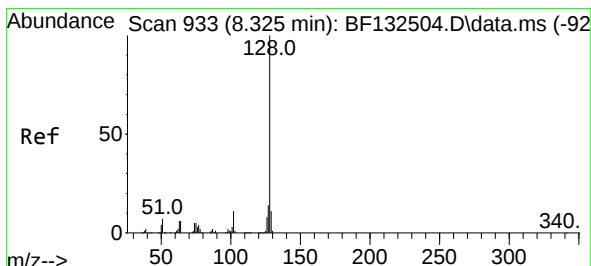
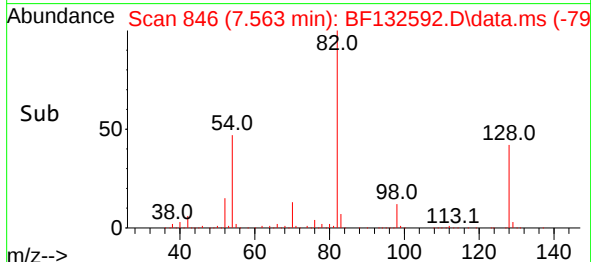
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#31

Naphthalene

Concen: 2.373 ng

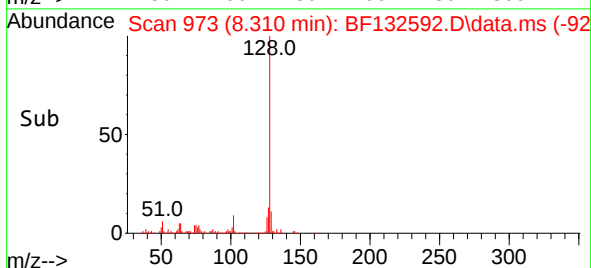
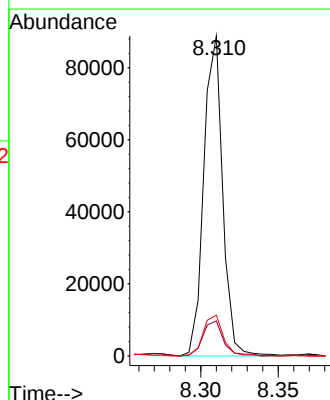
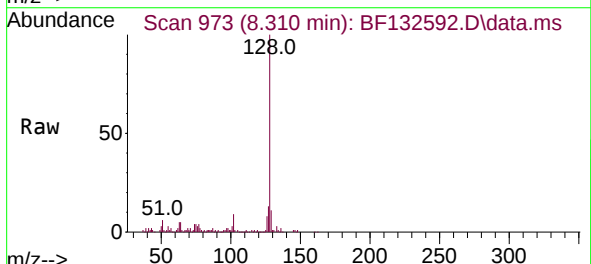
RT: 8.310 min Scan# 973

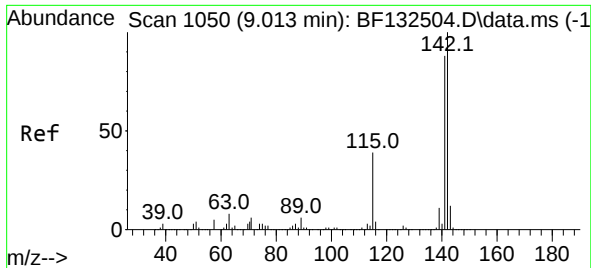
Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Tgt Ion:128 Resp: 75107
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.1 13.7
 127 12.7 11.0 16.6





#37

2-Methylnaphthalene

Concen: 3.462 ng

RT: 8.998 min Scan# 1107

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:142 Resp: 74672

Ion Ratio Lower Upper

142 100

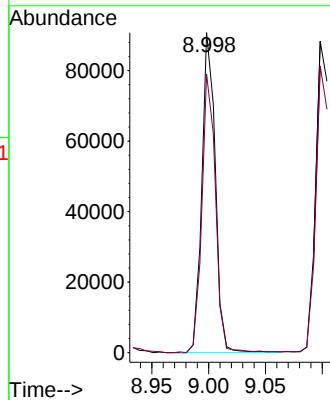
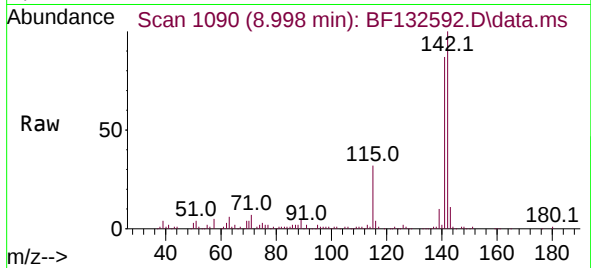
141 87.0 70.2 105.2

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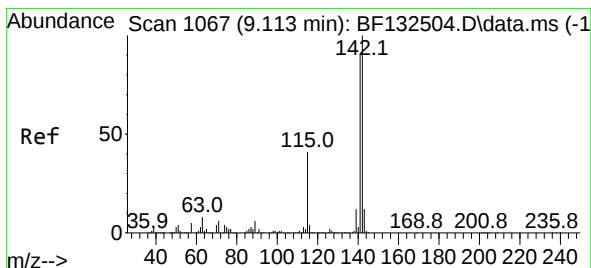
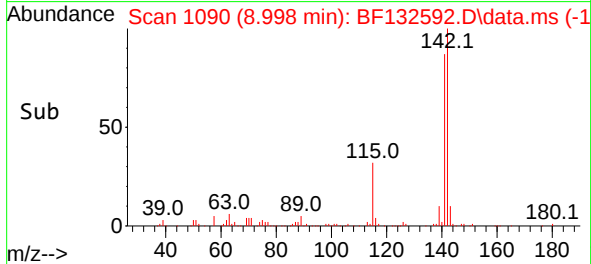


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#38

1-Methylnaphthalene

Concen: 3.751 ng

RT: 9.098 min Scan# 1107

Delta R.T. -0.009 min

Lab File: BF132592.D

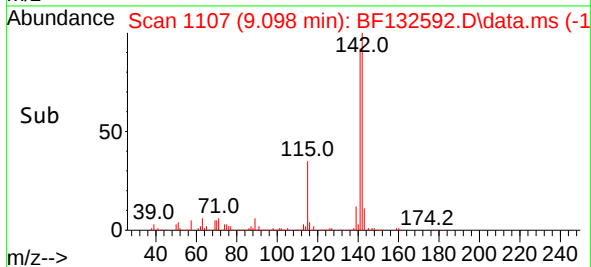
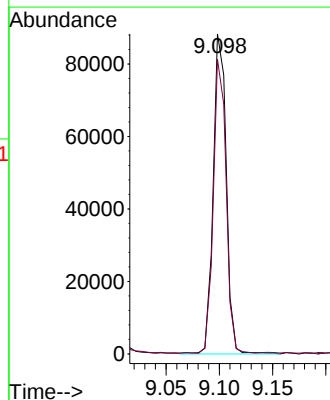
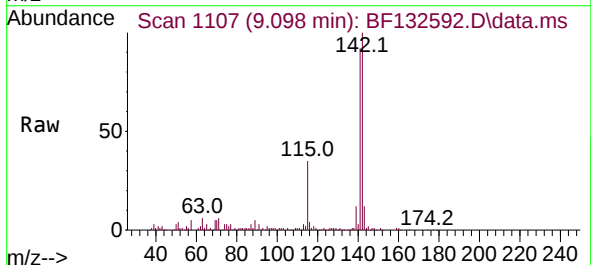
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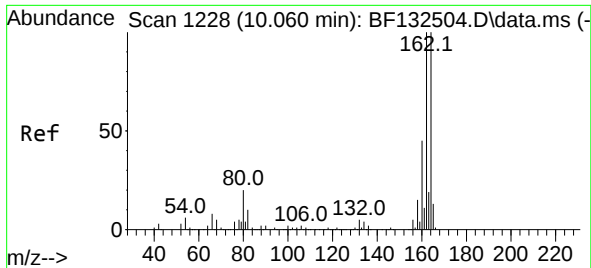
Tgt Ion:142 Resp: 75607

Ion Ratio Lower Upper

142 100

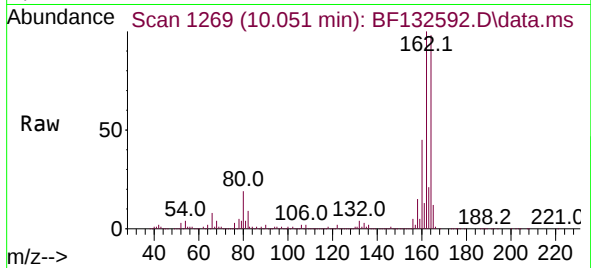
141 92.1 73.0 109.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.051 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

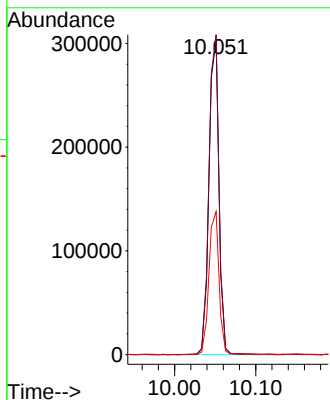
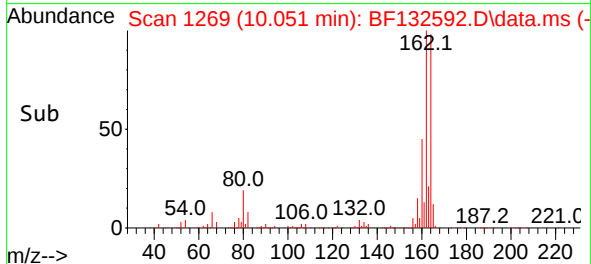
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:164 Resp: 260374
Ion Ratio Lower Upper
164 100
162 101.7 79.8 119.8
160 45.4 35.8 53.6

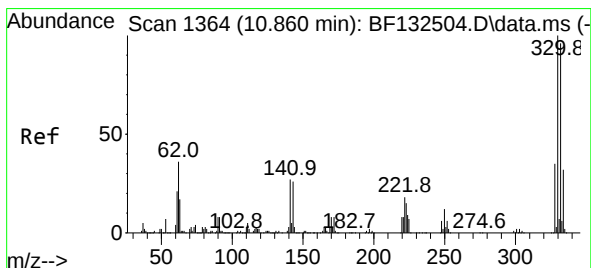
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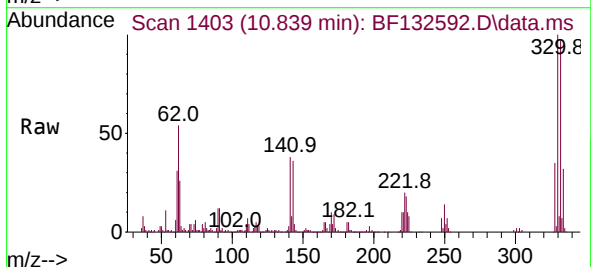


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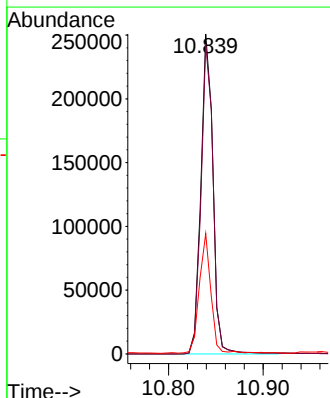
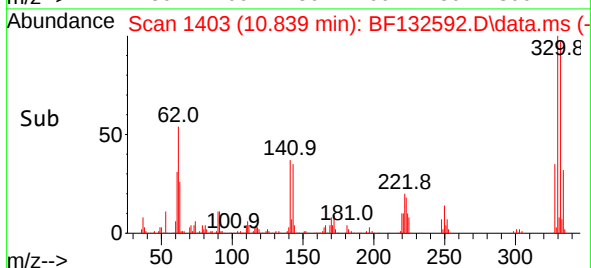
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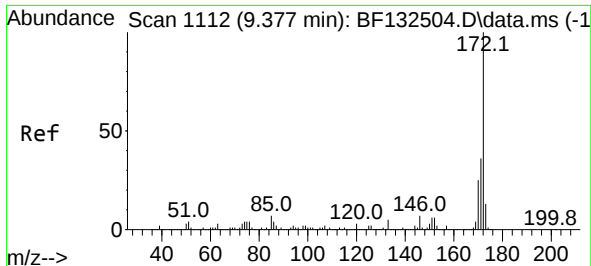


#42
2,4,6-Tribromophenol
Concen: 78.796 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39



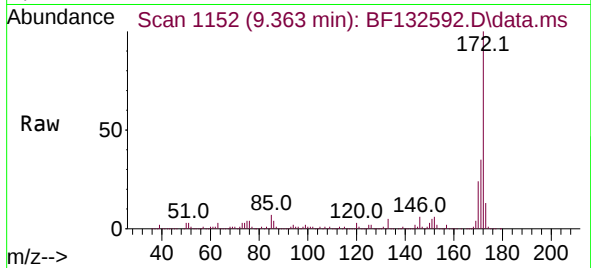
Tgt Ion:330 Resp: 221569
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 35.8 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 65.704 ng
RT: 9.363 min Scan# 1112
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

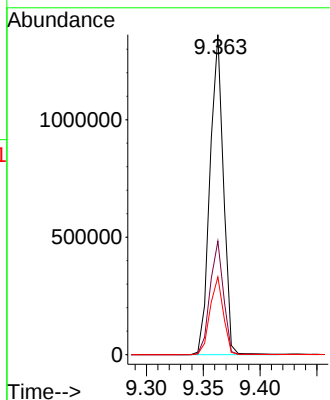
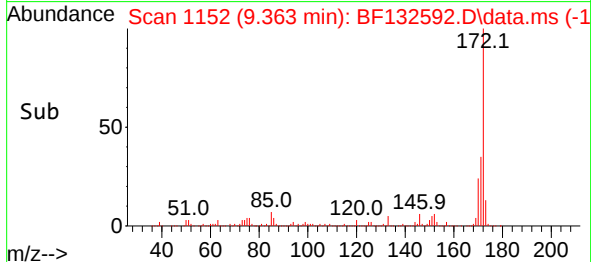
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:172 Resp: 1123538
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 24.3 19.7 29.5

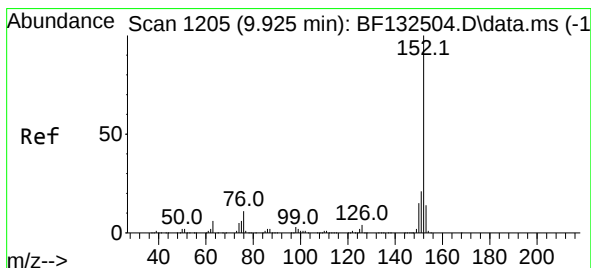
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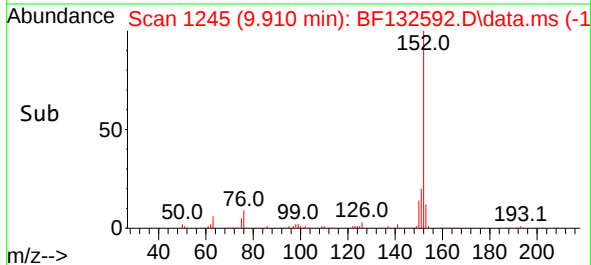
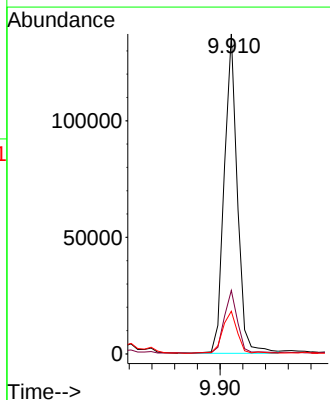
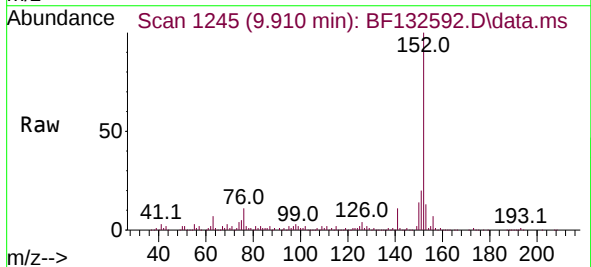
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Supervised By :Jagrut
Upadhyay

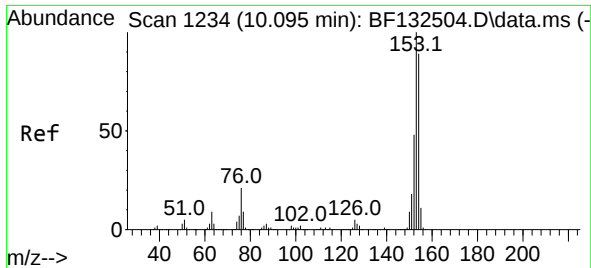
03/02/2023



#49
Acenaphthylene
Concen: 4.426 ng
RT: 9.910 min Scan# 1245
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

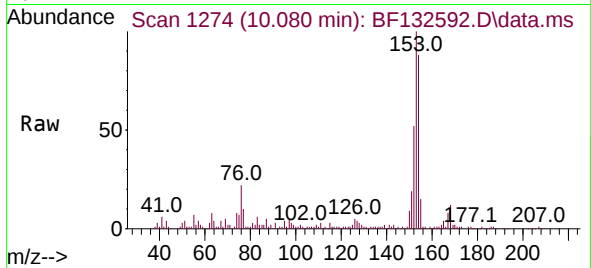
Tgt Ion:152 Resp: 110060
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6
153 13.3 11.0 16.6





#52
Acenaphthene
Concen: 2.326 ng
RT: 10.080 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

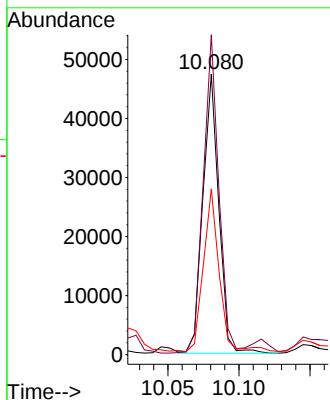
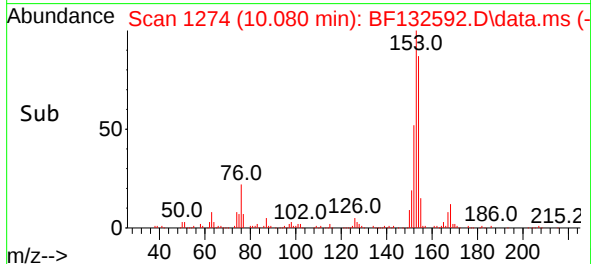
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:154 Resp: 3673
Ion Ratio Lower Upper
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153 114.1 89.8 134.8
152 59.1 43.3 64.9

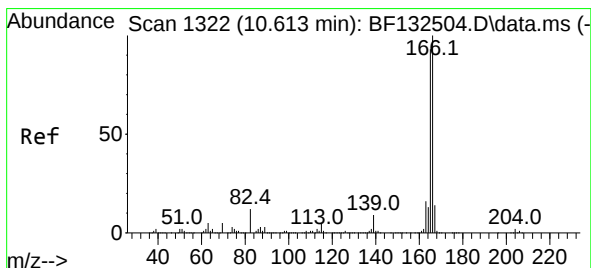
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Supervised By :Jagrut Upadhyay 03/02/2023

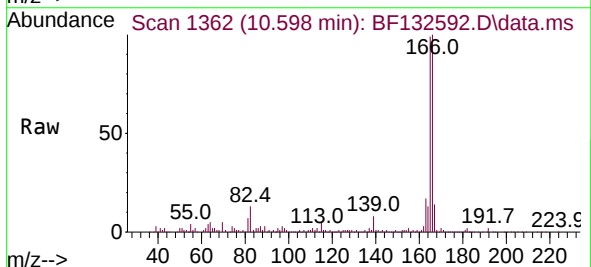


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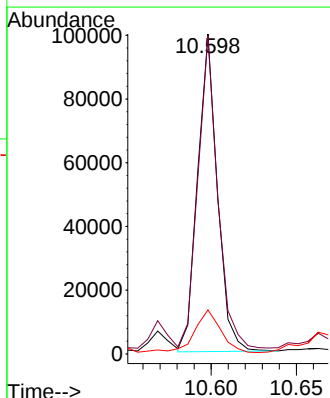
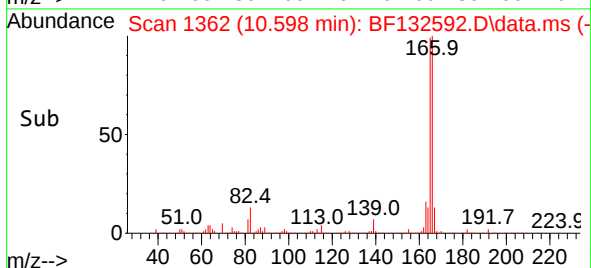
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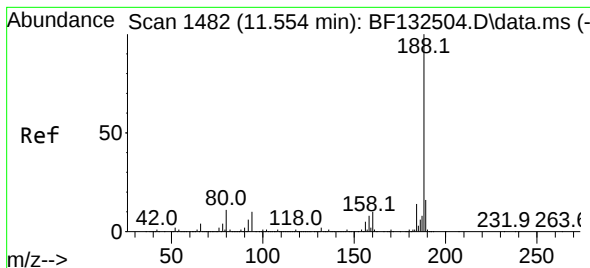


#58
Fluorene
Concen: 4.567 ng
RT: 10.598 min Scan# 1362
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39



Tgt Ion:166 Resp: 80417
Ion Ratio Lower Upper
166 100
165 99.4 74.2 111.4
167 13.7 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.545 min Scan# 11

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:188 Resp: 434434

Ion Ratio Lower Upper

188 100

94 9.0 8.3 12.5

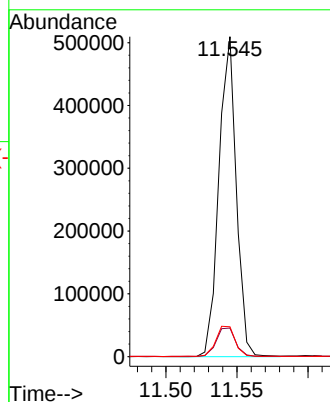
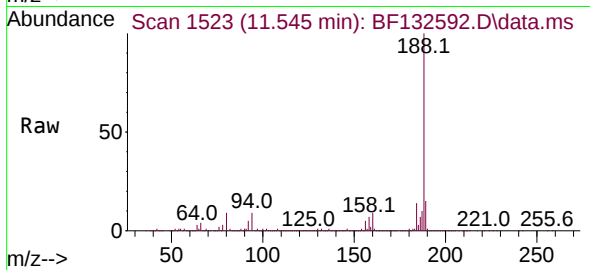
80 9.3 8.7 13.1

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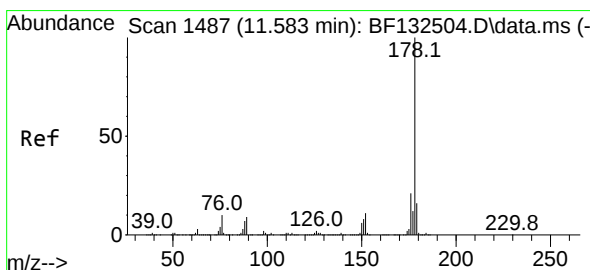
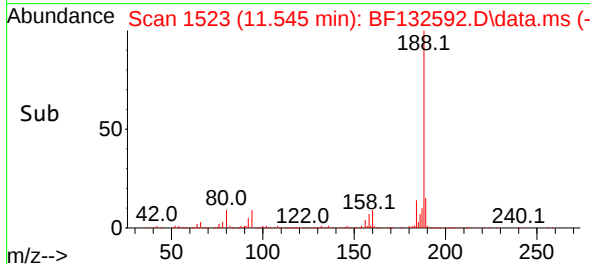


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#71

Phenanthrene

Concen: 20.931 ng

RT: 11.569 min Scan# 1527

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

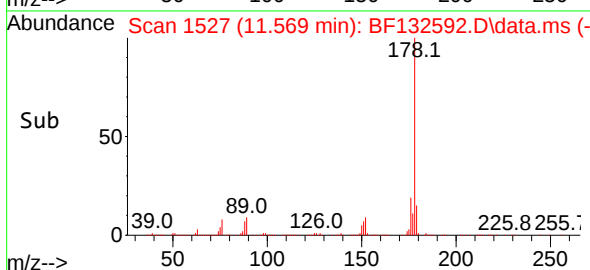
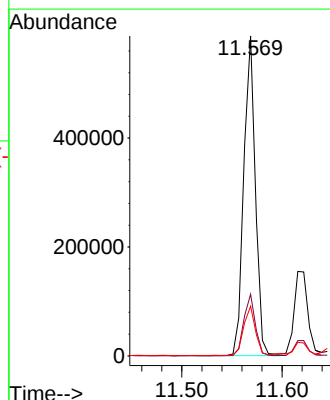
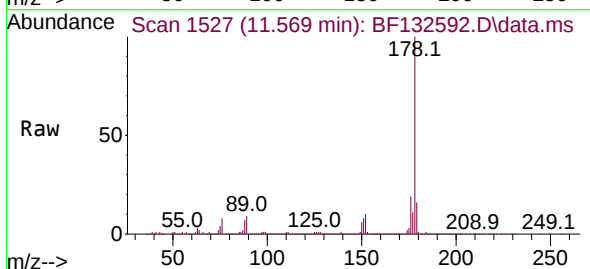
Tgt Ion:178 Resp: 471074

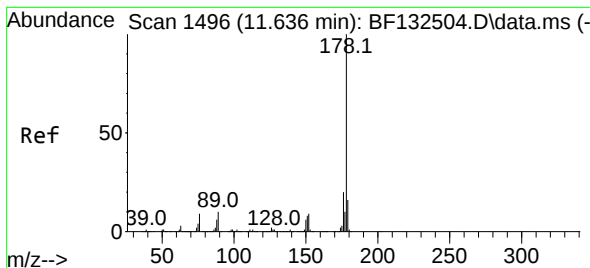
Ion Ratio Lower Upper

178 100

176 19.3 16.5 24.7

179 15.5 13.0 19.6





#72

Anthracene

Concen: 6.117 ng

RT: 11.616 min Scan# 11

Delta R.T. -0.015 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:178 Resp: 141763

Ion Ratio Lower Upper

178 100

176 18.2 15.6 23.4

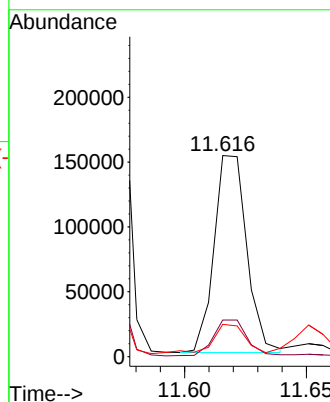
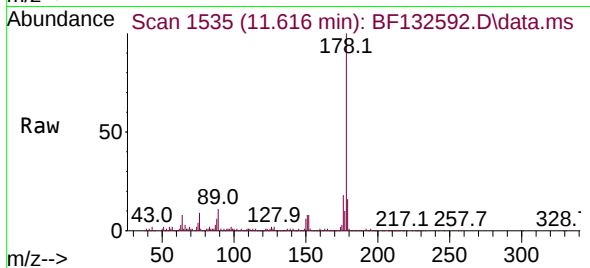
179 16.0 12.5 18.7

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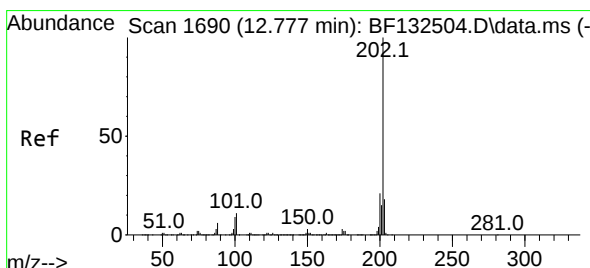
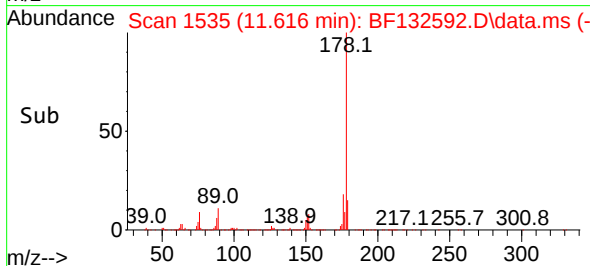
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#75

Fluoranthene

Concen: 33.261 ng

RT: 12.769 min Scan# 1731

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

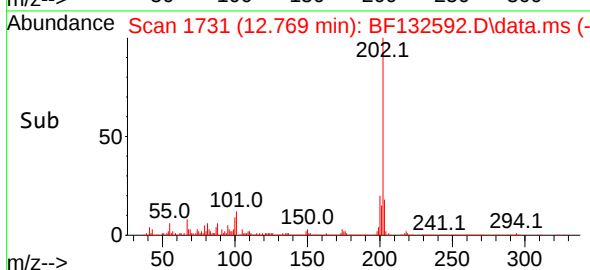
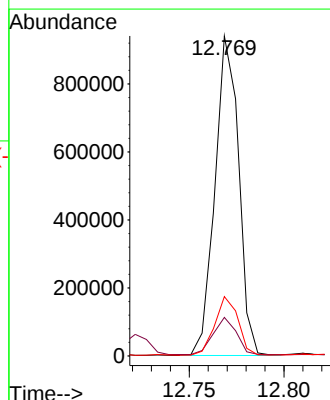
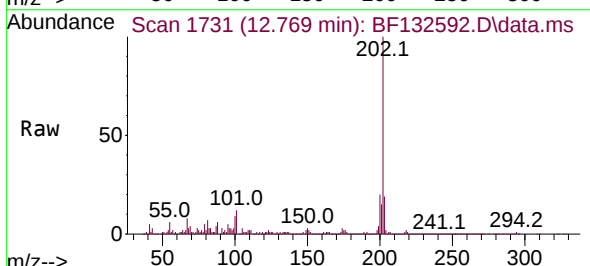
Tgt Ion:202 Resp: 818347

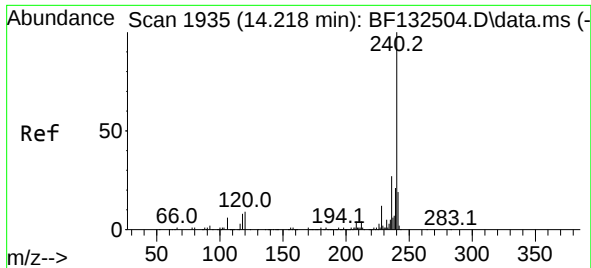
Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

203 18.5 0.0 38.0





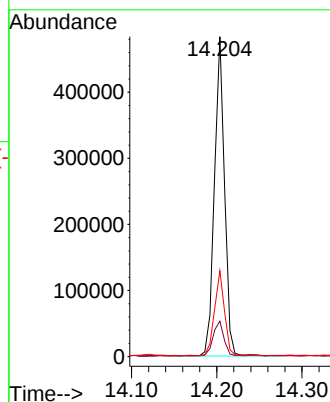
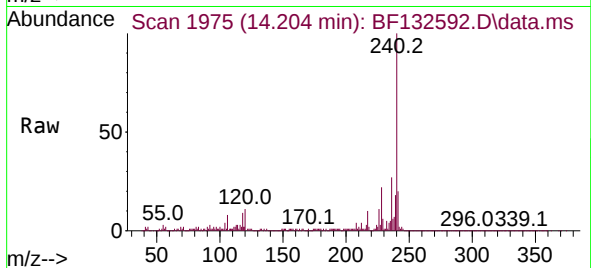
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:240 Resp: 399575
Ion Ratio Lower Upper
240 100
120 11.1 7.2 10.8
236 26.8 21.8 32.6

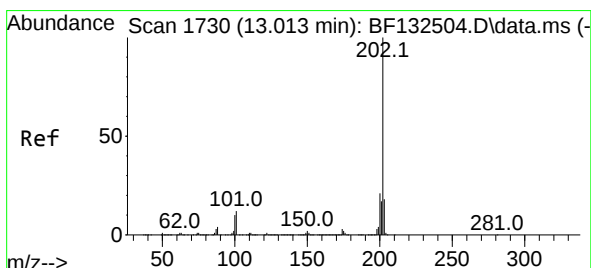
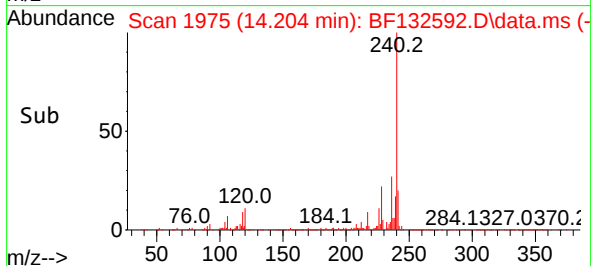
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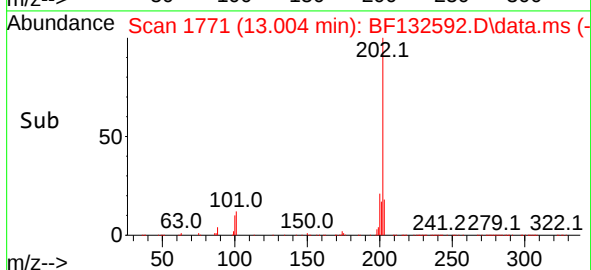
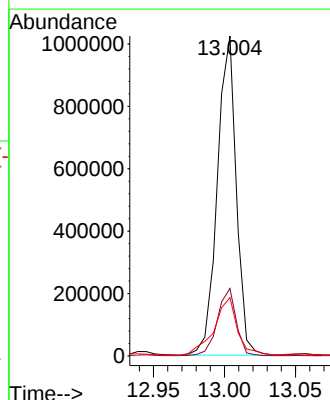
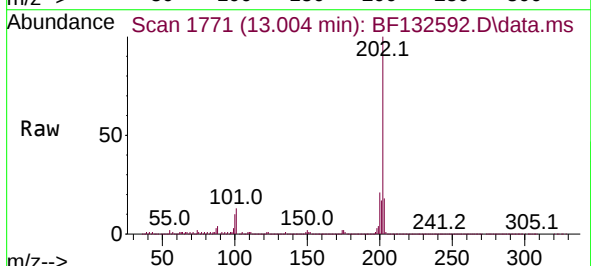
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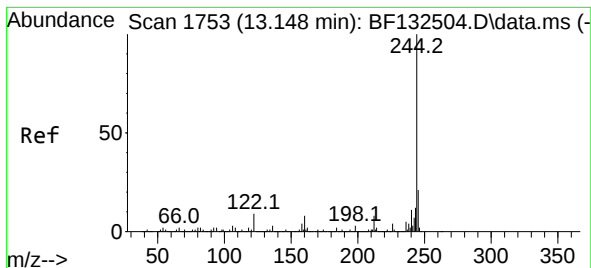
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#78
Pyrene
Concen: 26.265 ng
RT: 13.004 min Scan# 1771
Delta R.T. 0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Tgt Ion:202 Resp: 954151
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 47.767 ng

RT: 13.139 min Scan# 1794

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:244 Resp: 112888

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

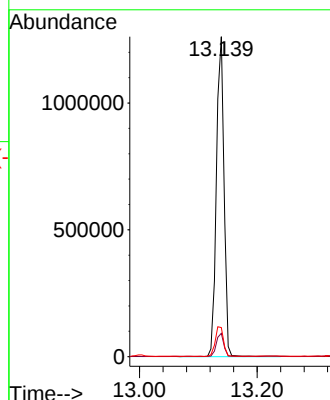
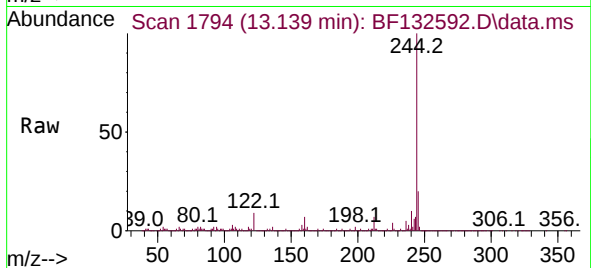
122 9.1 7.5 11.3

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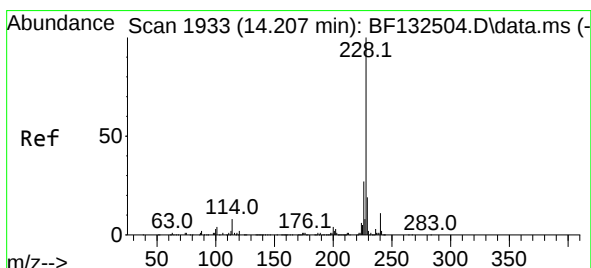
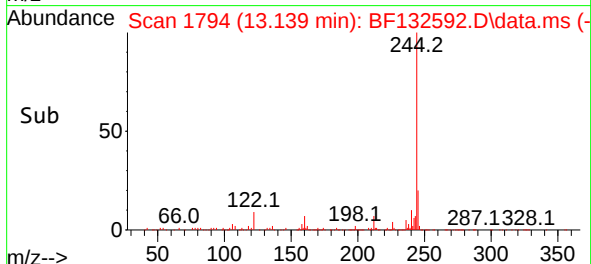
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#81

Benzo(a)anthracene

Concen: 19.155 ng

RT: 14.192 min Scan# 1973

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

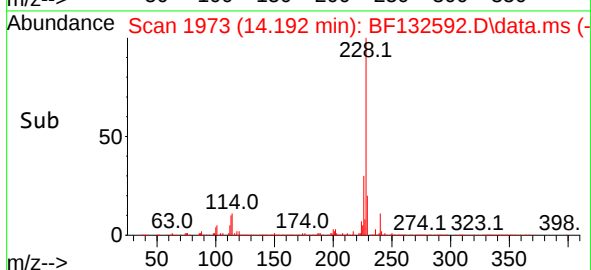
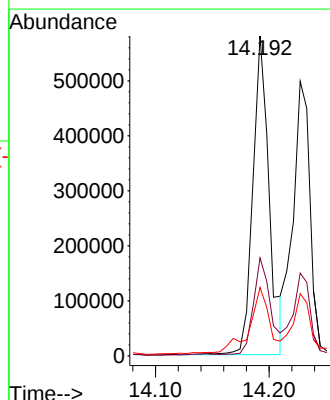
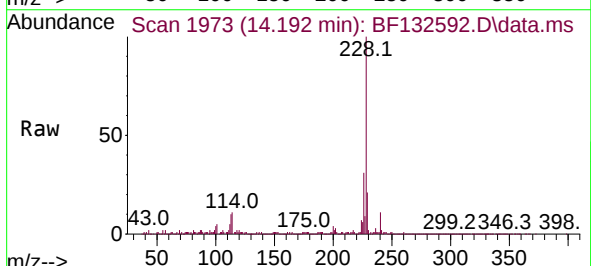
Tgt Ion:228 Resp: 572693

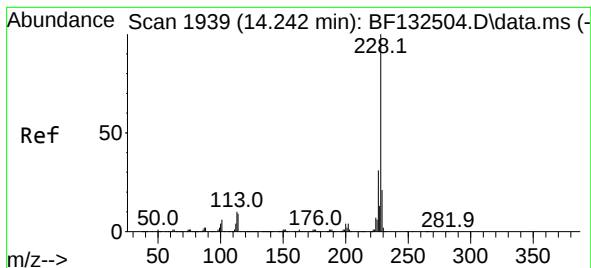
Ion Ratio Lower Upper

228 100

226 30.6 21.7 32.5

229 21.4 15.4 23.2





#83

Chrysene

Concen: 18.695 ng

RT: 14.227 min Scan# 1939

Delta R.T. -0.009 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

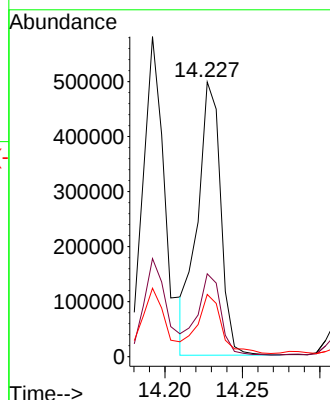
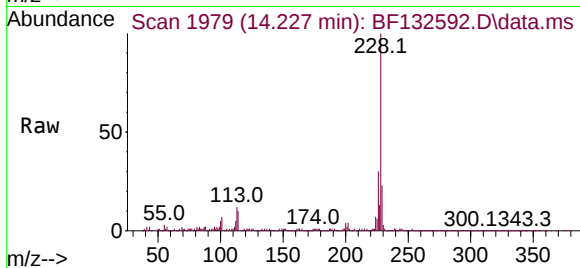
Tgt Ion:228	Resp: 522663
Ion Ratio	Lower Upper
228 100	
226 30.1	25.0 37.6
229 22.6	16.4 24.6

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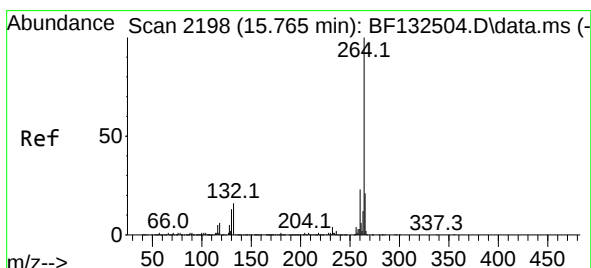
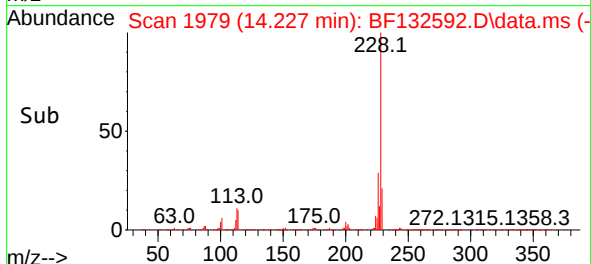
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#86

Perylene-d12

Concen: 20.000 ng

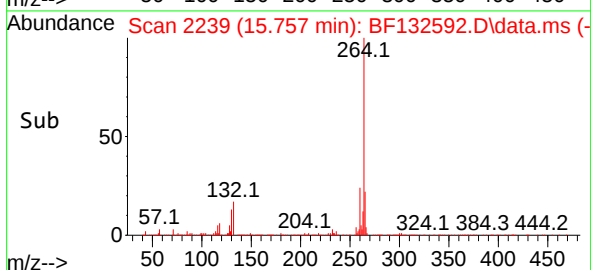
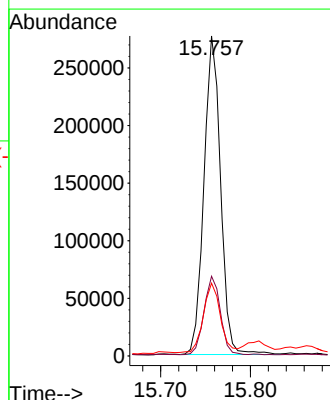
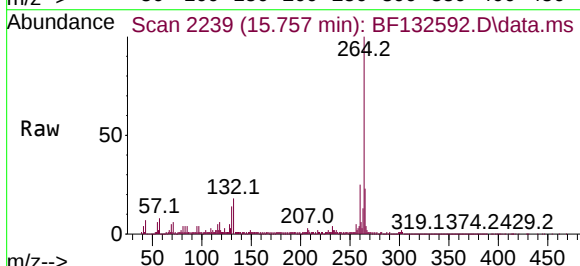
RT: 15.757 min Scan# 2239

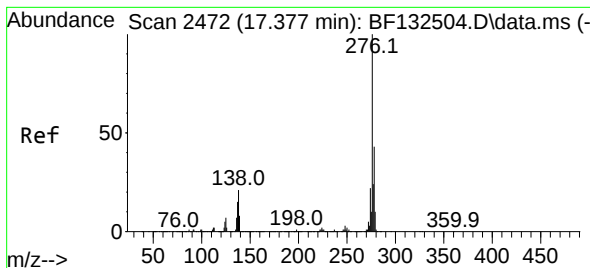
Delta R.T. 0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Tgt Ion:264	Resp: 357141
Ion Ratio	Lower Upper
264 100	
260 24.9	18.8 28.2
265 22.7	17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.099 ng

RT: 17.356 min Scan# 2160

Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Instrument :

BNA_F

ClientSampleId :

TP-6

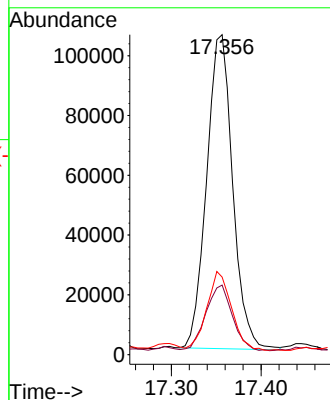
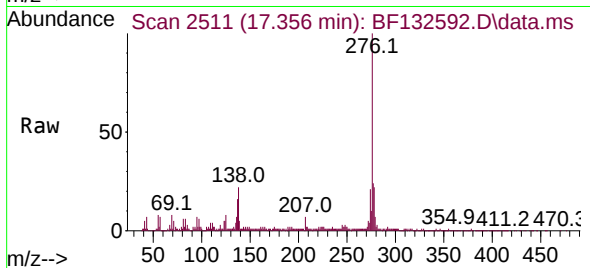
Tgt Ion:	276	Resp:	212933
Ion Ratio	Lower	Upper	
276	100		
138	21.3	19.0	28.4
277	23.4	20.0	30.0

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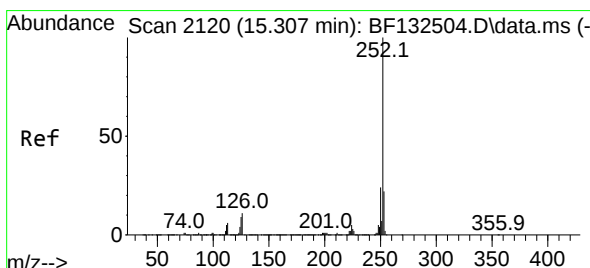
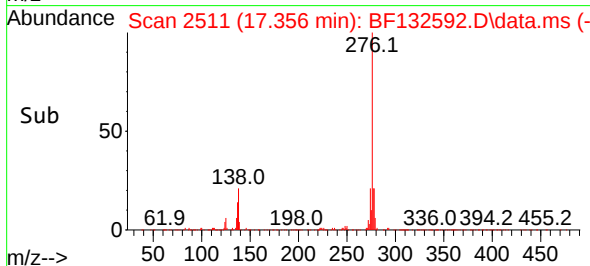
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#88

Benzo(b)fluoranthene

Concen: 25.862 ng m

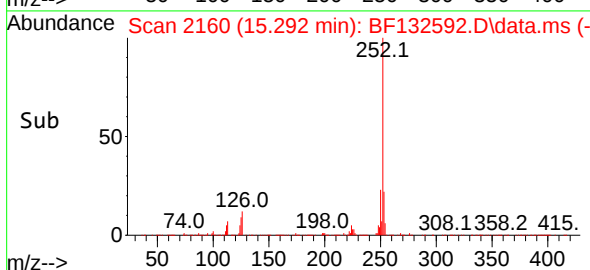
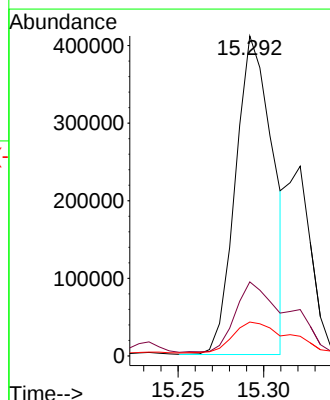
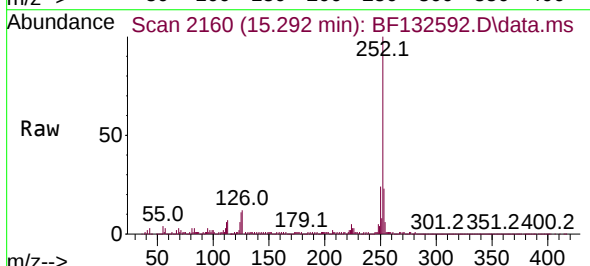
RT: 15.292 min Scan# 2160

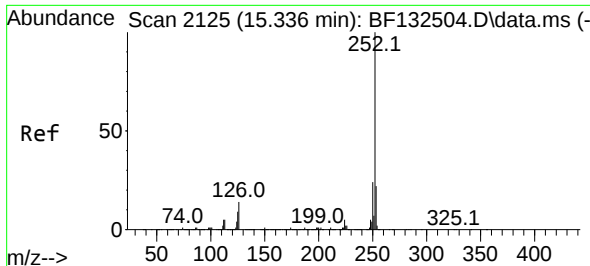
Delta R.T. -0.003 min

Lab File: BF132592.D

Acq: 01 Mar 2023 15:39

Tgt Ion:	252	Resp:	618983
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	10.6	7.0	10.6





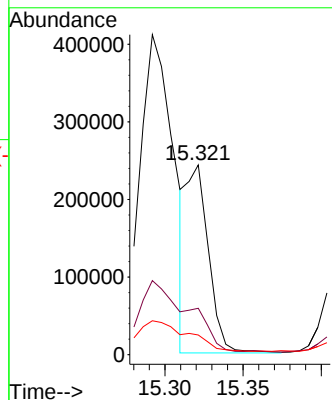
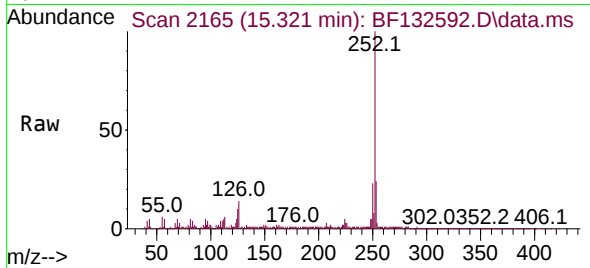
#89
Benzo(k)fluoranthene
Concen: 10.242 ng m
RT: 15.321 min Scan# 2125
Delta R.T. -0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

Instrument :
BNA_F
ClientSampleId :
TP-6

Tgt Ion:252 Resp: 239912
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 10.4 7.2 10.8

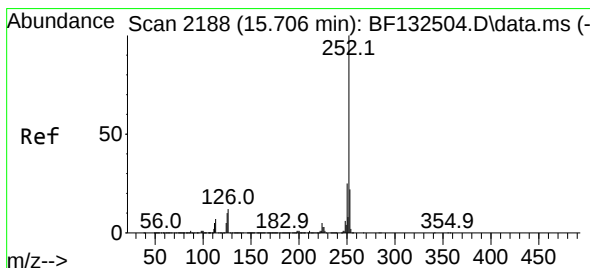
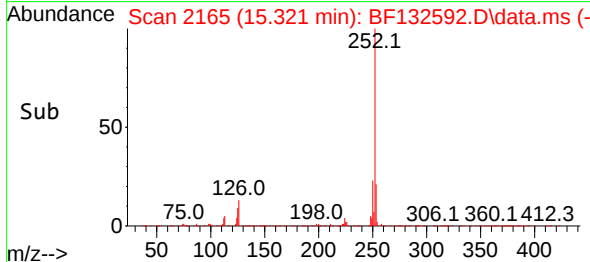
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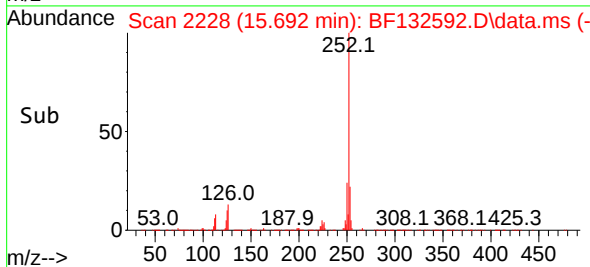
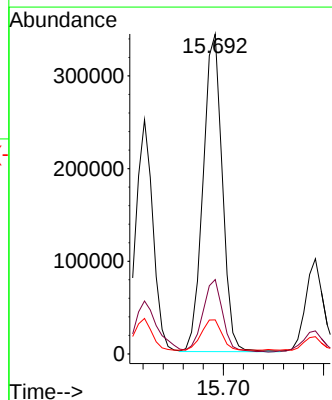
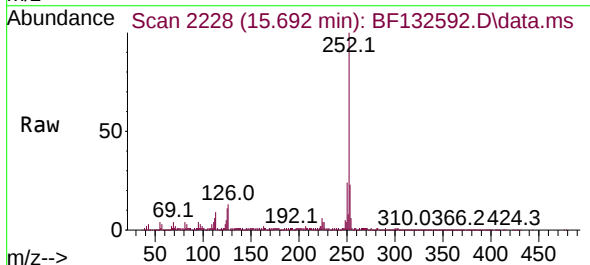
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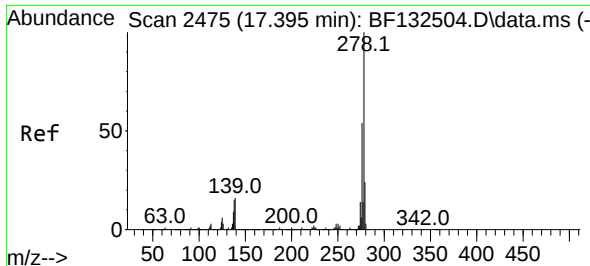
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#90
Benzo(a)pyrene
Concen: 20.314 ng
RT: 15.692 min Scan# 2228
Delta R.T. 0.003 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

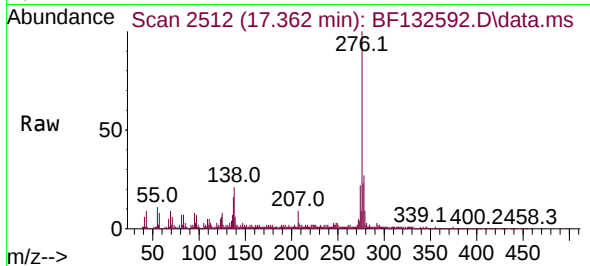
Tgt Ion:252 Resp: 455034
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 10.6 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 2.902 ng
RT: 17.362 min Scan# 2512
Delta R.T. -0.015 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39

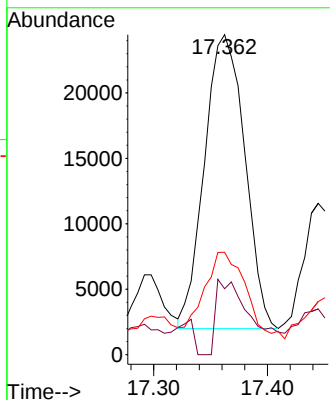
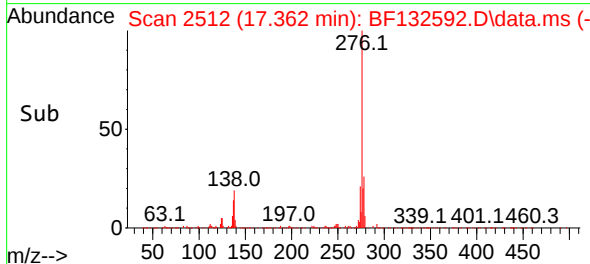
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:278 Resp: 55324
Ion Ratio Lower Upper
278 100
139 20.6 13.0 19.4
279 32.0 19.0 28.4

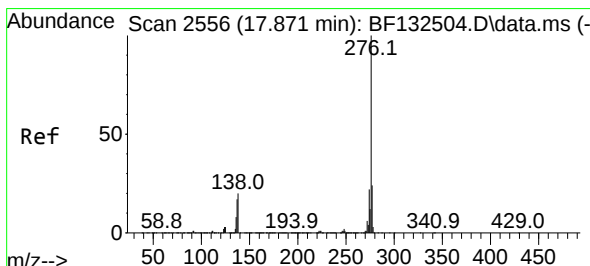
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/02/2023
Supervised By :Jagrut Upadhyay 03/02/2023

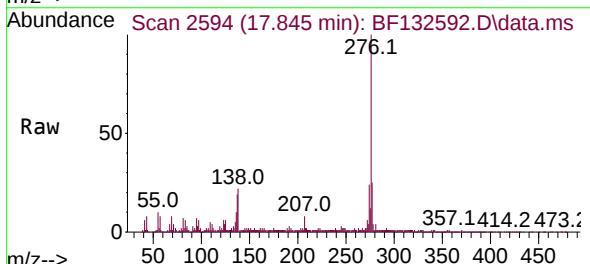


03/02/2023
Supervised By :Jagrut
Upadhyay

03/02/2023



#92
Benzo(g,h,i)perylene
Concen: 10.503 ng
RT: 17.845 min Scan# 2594
Delta R.T. -0.009 min
Lab File: BF132592.D
Acq: 01 Mar 2023 15:39



Tgt Ion:276 Resp: 198207
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 21.8 16.2 24.4

