

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137608.D
 Acq On : 14 Mar 2024 23:47
 Operator : CG\JU
 Sample : P1746-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-0-2.0

Quant Time: Mar 15 02:06:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
 Upadhyay

03/15/2024
 Supervised By :mohammad
 ahmed

03/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	125213	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	440212	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	220994	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	381393	20.000	ng	0.00
76) Chrysene-d12	13.874	240	369283	20.000	ng	0.00
86) Perylene-d12	15.298	264	311151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	736520	89.087	ng	0.00
7) Phenol-d6	6.363	99	944736	79.165	ng	0.00
23) Nitrobenzene-d5	7.287	82	552320	58.297	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	165492	85.274	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	880200	62.347	ng	0.00
79) Terphenyl-d14	12.827	244	1036587	38.600	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	68040	3.278	ng	97
75) Fluoranthene	12.451	202	188156	9.274	ng	98
78) Pyrene	12.674	202	186845	5.156	ng	97
81) Benzo(a)anthracene	13.863	228	137603	5.316	ng	95
83) Chrysene	13.898	228	128281	4.904	ng	99
87) Indeno(1,2,3-cd)pyrene	16.680	276	59483	2.905	ng	93
88) Benzo(b)fluoranthene	14.892	252	173689m	9.437	ng	
89) Benzo(k)fluoranthene	14.915	252	53907m	2.727	ng	
90) Benzo(a)pyrene	15.239	252	113518	6.259	ng	98
92) Benzo(g,h,i)perylene	17.098	276	59444	3.485	ng	98

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

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SB-01-0-2.0

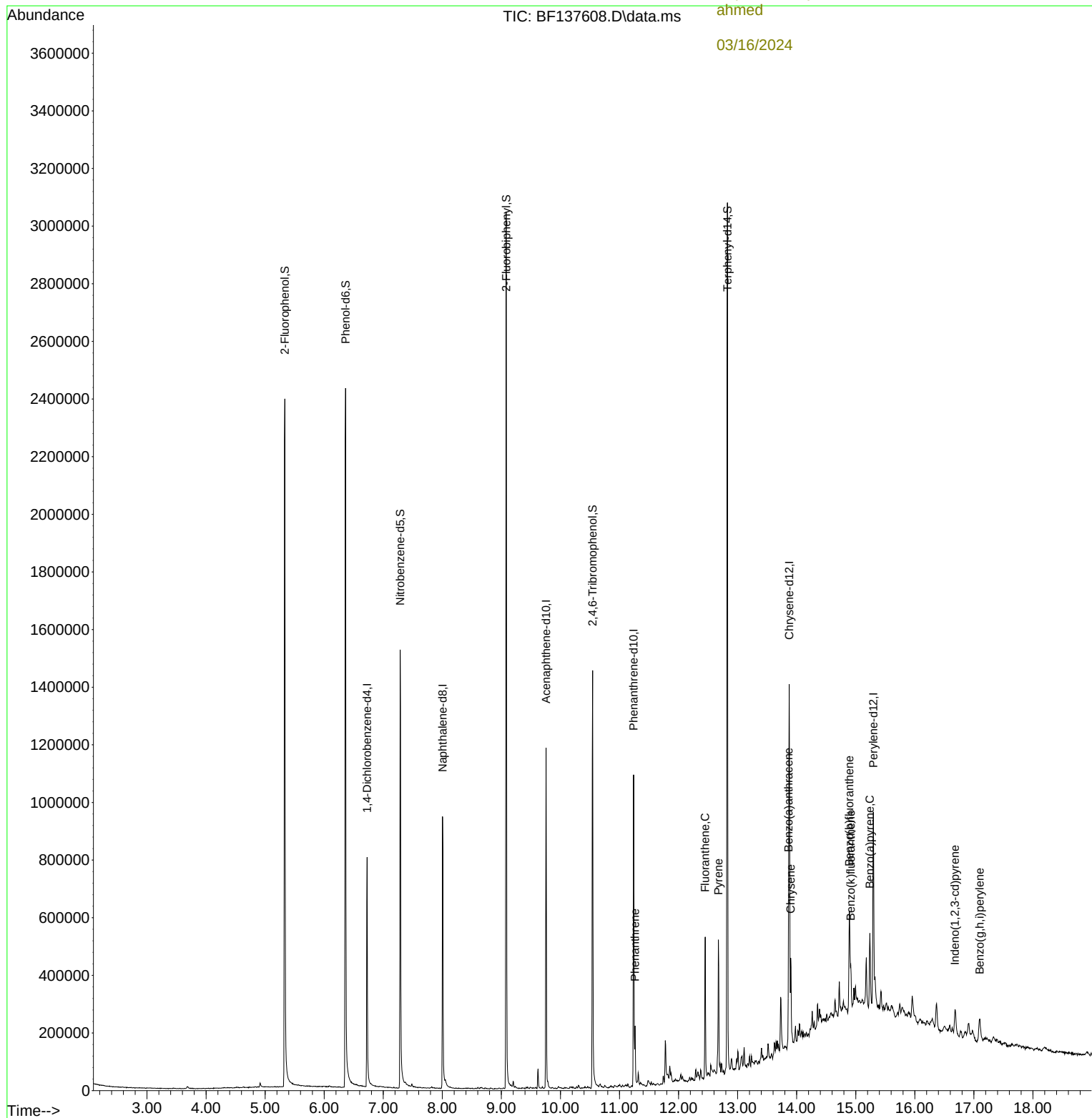
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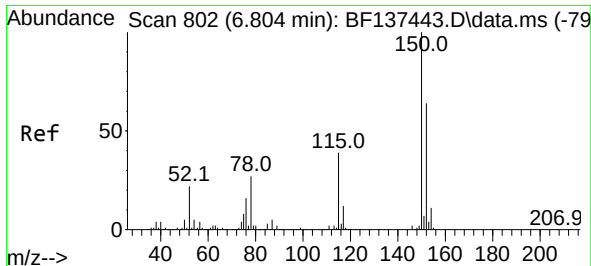
Reviewed By :Jagrut
Upadhyay

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Supervised By :mohammad
ahmed

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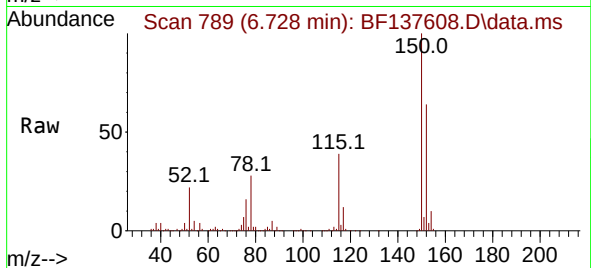
Quant Time: Mar 15 02:06:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



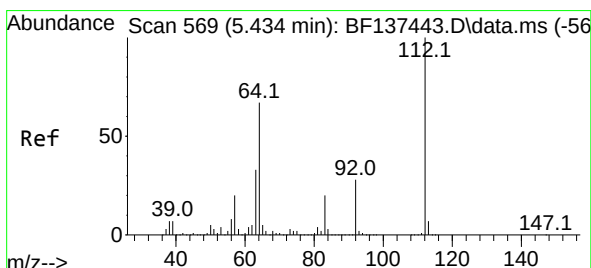
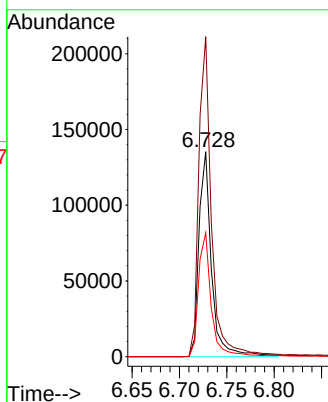
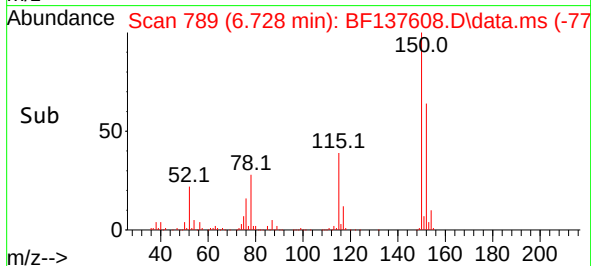
Tgt Ion:152 Resp: 12521
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.6
115 60.4 48.8 73.2

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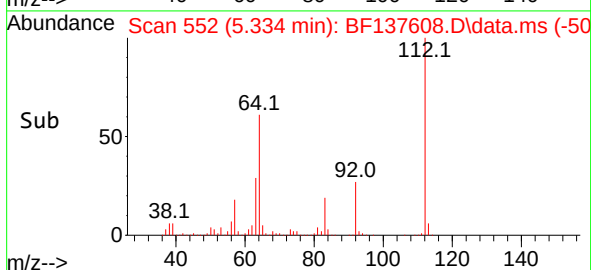
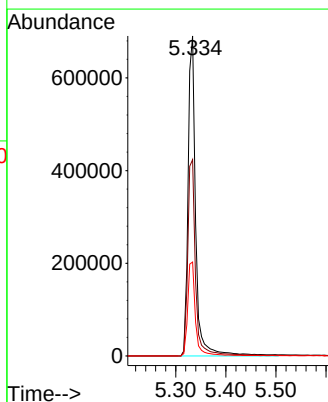
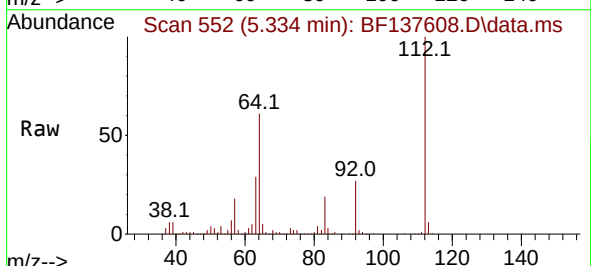
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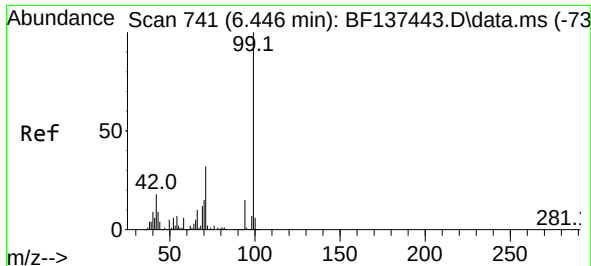
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#5
2-Fluorophenol
Concen: 89.087 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

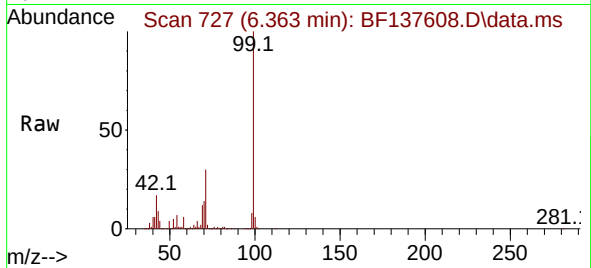
Tgt Ion:112 Resp: 736520
Ion Ratio Lower Upper
112 100
64 61.4 53.4 80.2
63 29.4 26.2 39.2





#7
Phenol-d6
Concen: 79.165 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



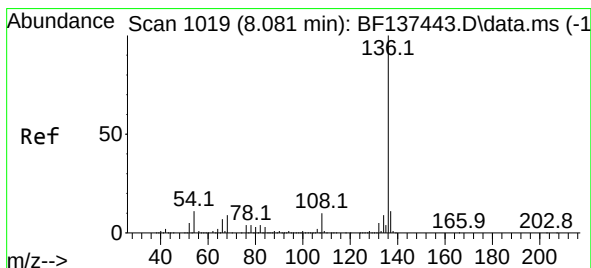
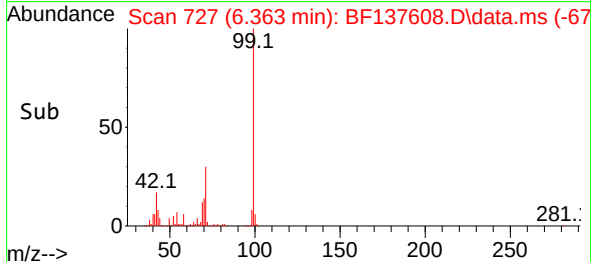
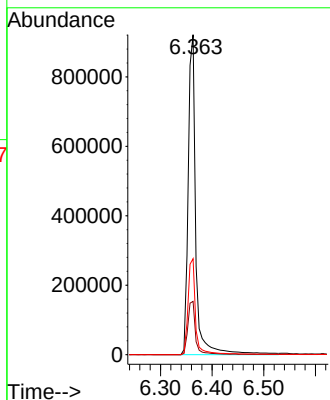
Tgt Ion: 99 Resp: 944730
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 30.0 25.3 37.9

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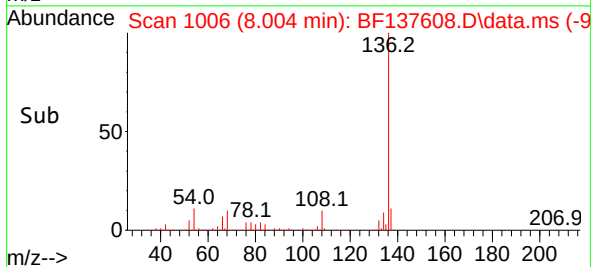
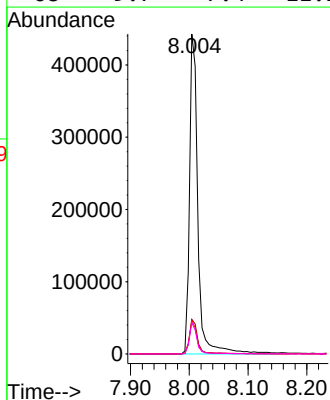
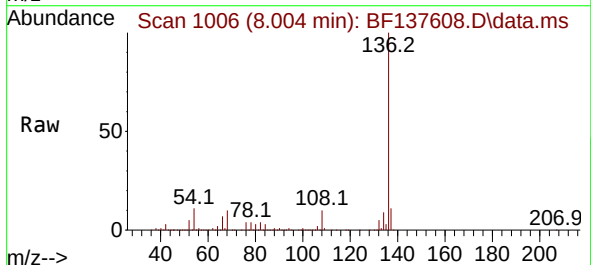
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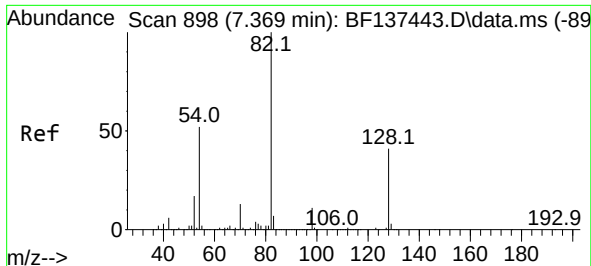
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Tgt Ion:136 Resp: 440212
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 10.6 8.5 12.7
68 9.7 7.4 11.2





#23

Nitrobenzene-d5

Concen: 58.297 ng

RT: 7.287 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF137608.D

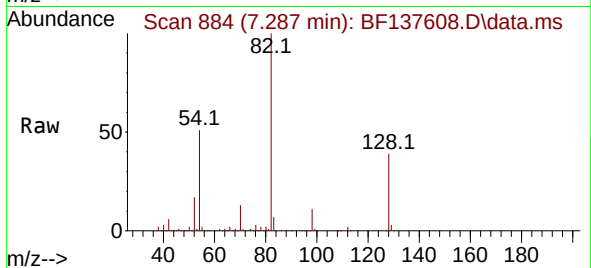
Acq: 14 Mar 2024 23:47

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 552320

Ion	Ratio	Lower	Upper
82	100		
128	39.4	32.5	48.7
54	51.0	41.5	62.3

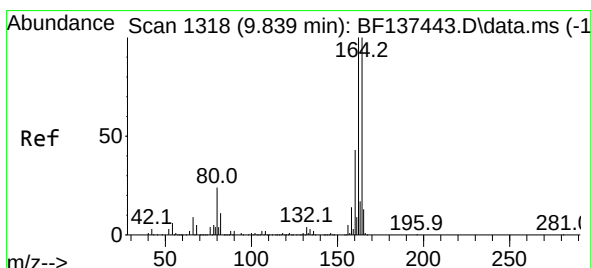
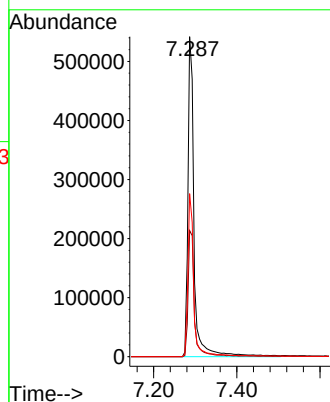
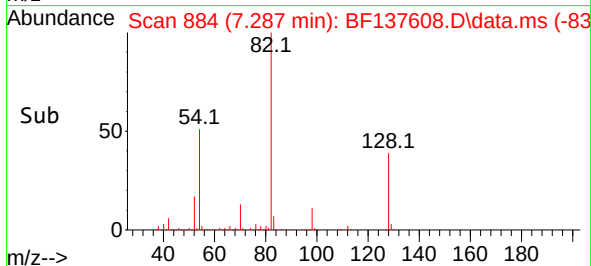
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

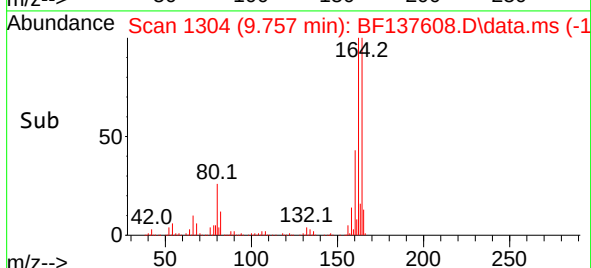
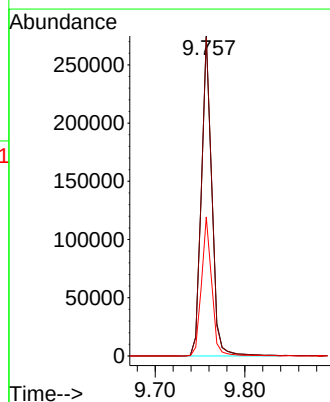
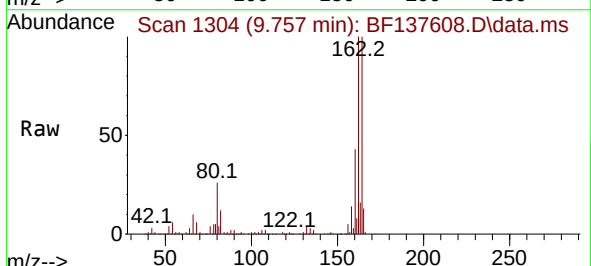
Delta R.T. -0.006 min

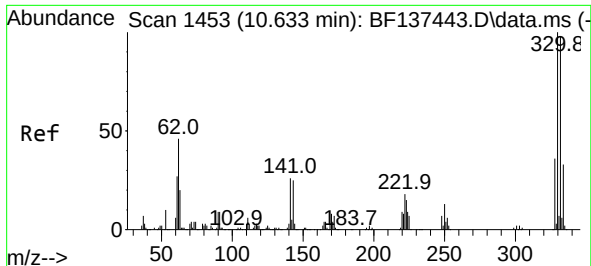
Lab File: BF137608.D

Acq: 14 Mar 2024 23:47

Tgt Ion:164 Resp: 220994

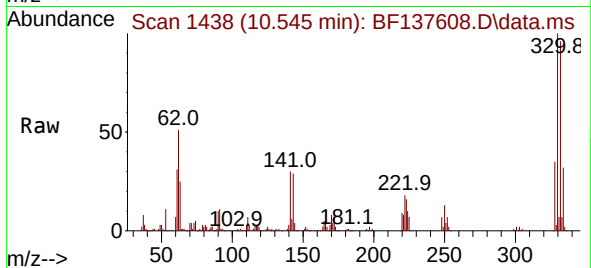
Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.8	119.8
160	43.5	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 85.274 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



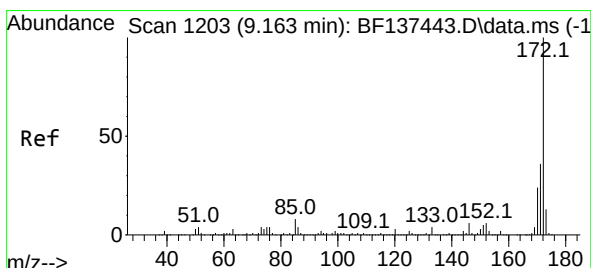
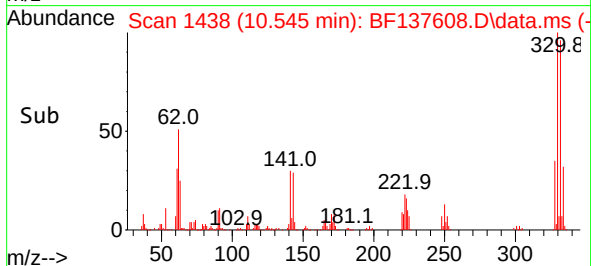
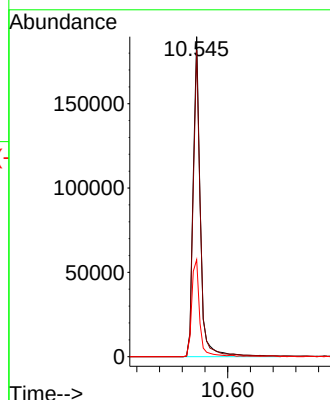
Tgt Ion: 330 Resp: 165492
Ion Ratio Lower Upper
330 100
332 95.3 78.0 117.0
141 33.9 27.3 40.9

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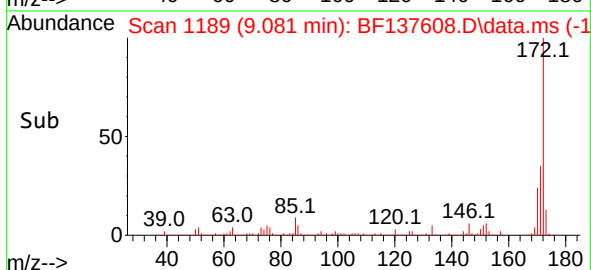
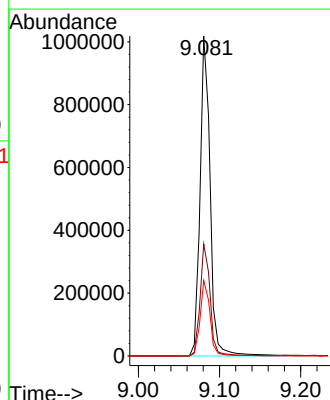
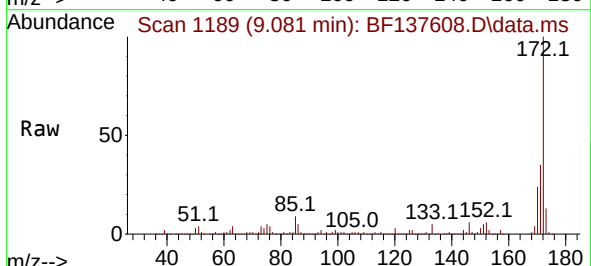
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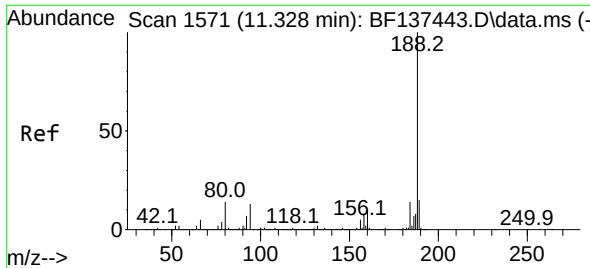
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#45
2-Fluorobiphenyl
Concen: 62.347 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Tgt Ion: 172 Resp: 880200
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.6 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0

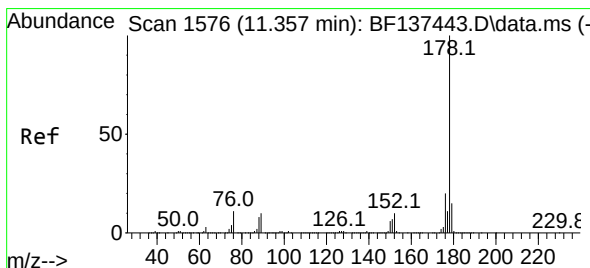
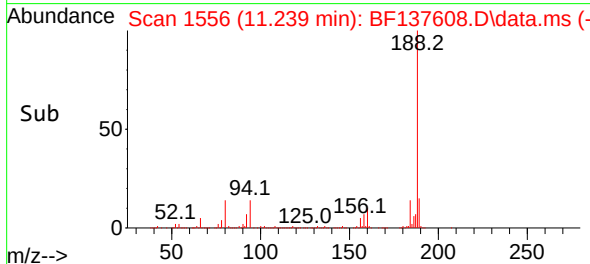
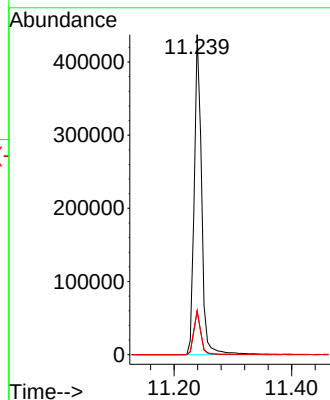
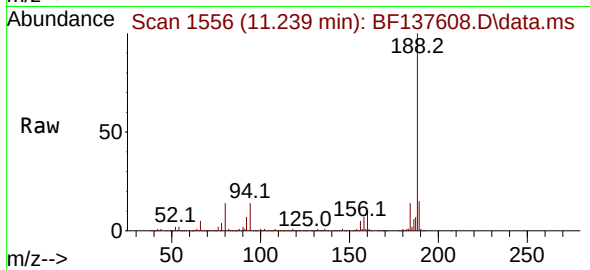
Tgt Ion:188 Resp: 38139
Ion Ratio Lower Upper
188 100
94 13.5 10.6 15.8
80 13.8 11.5 17.3

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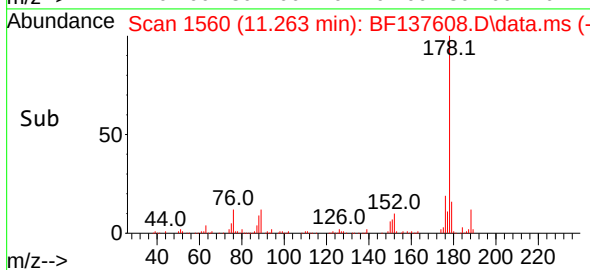
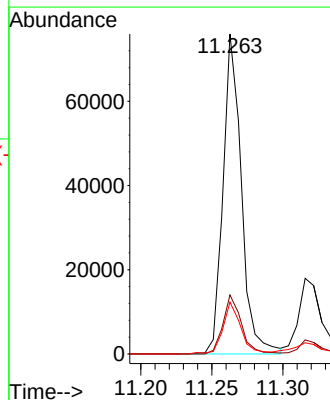
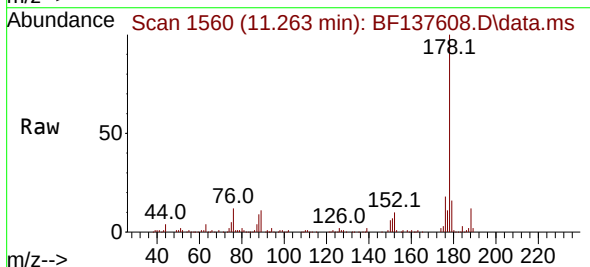
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ahmed

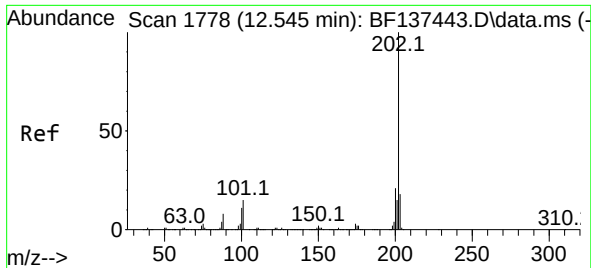
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#71
Phenanthrene
Concen: 3.278 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

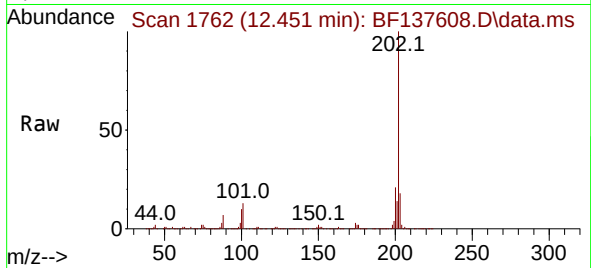
Tgt Ion:178 Resp: 68040
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 16.2 12.2 18.2





#75
Fluoranthene
Concen: 9.274 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



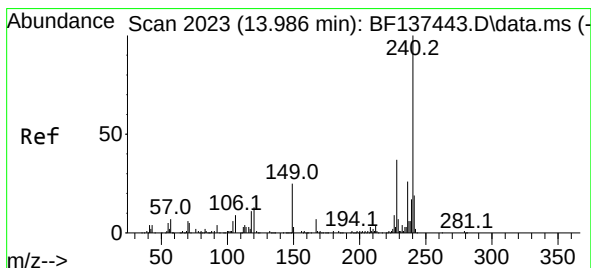
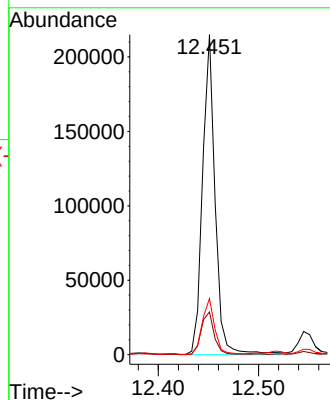
Tgt Ion:202 Resp: 188150
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.0
203 17.6 0.0 37.7

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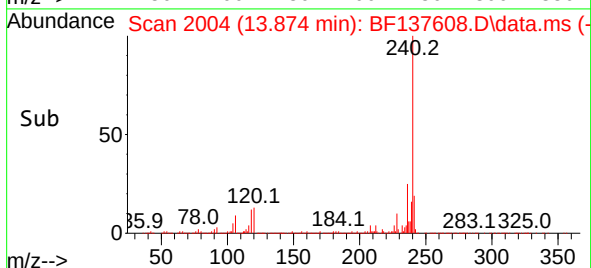
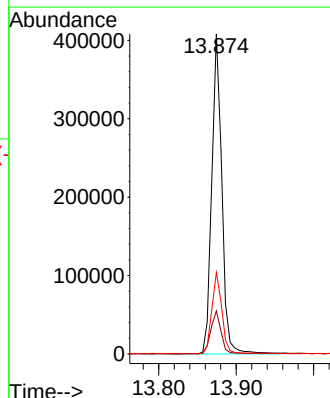
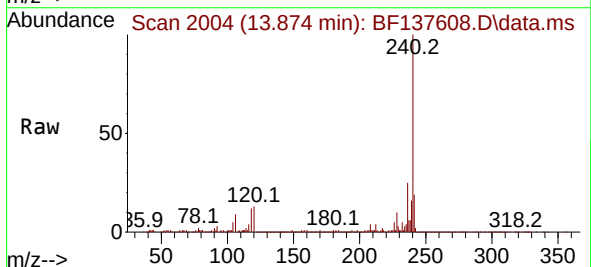
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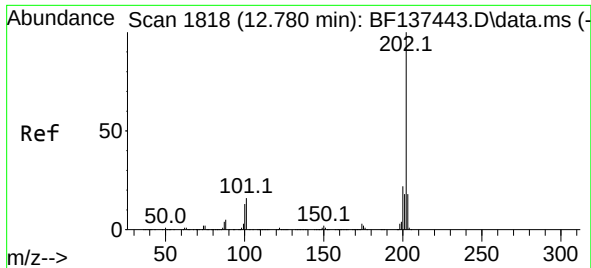
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

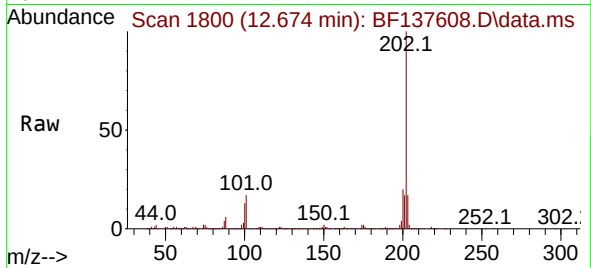
Tgt Ion:240 Resp: 369283
Ion Ratio Lower Upper
240 100
120 13.5 10.4 15.6
236 25.4 20.9 31.3





#78
Pyrene
Concen: 5.156 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



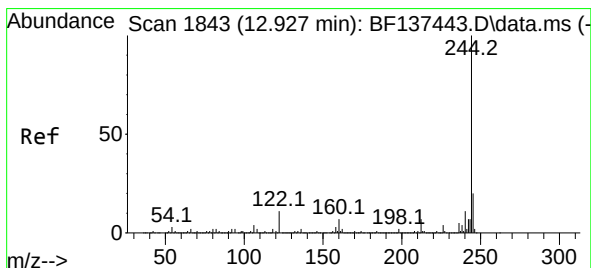
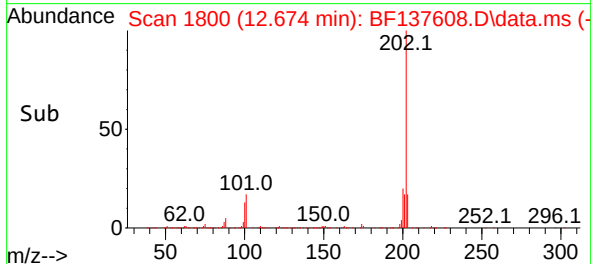
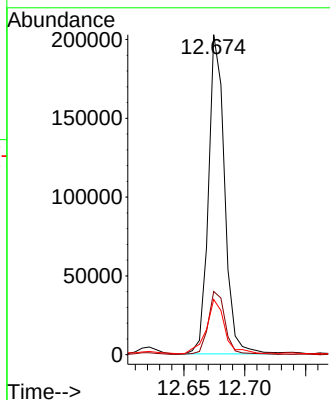
Tgt Ion:202 Resp: 186849
Ion Ratio Lower Upper
202 100
200 19.7 17.4 26.2
203 17.2 14.1 21.1

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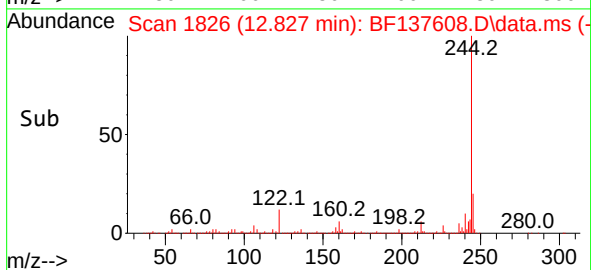
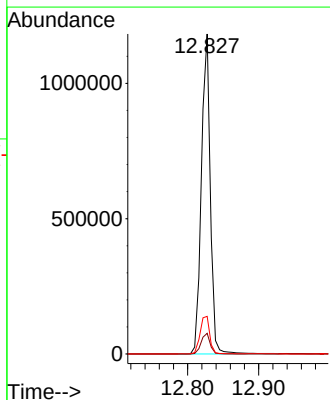
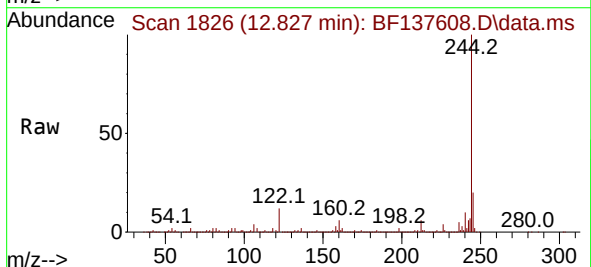
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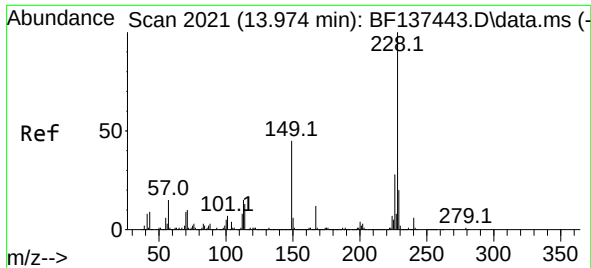
03/16/2024



#79
Terphenyl-d14
Concen: 38.600 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Tgt Ion:244 Resp: 1036587
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 11.8 9.1 13.7





#81
Benzo(a)anthracene
Concen: 5.316 ng
RT: 13.863 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :

BNA_F

ClientSampleId :

SB-01-0-2.0

Tgt Ion:228 Resp: 137608
Ion Ratio Lower Upper
228 100
226 31.5 22.3 33.5
229 21.2 16.3 24.5

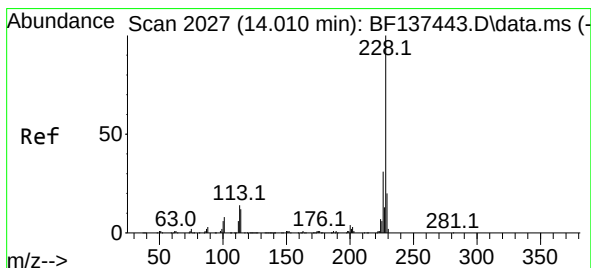
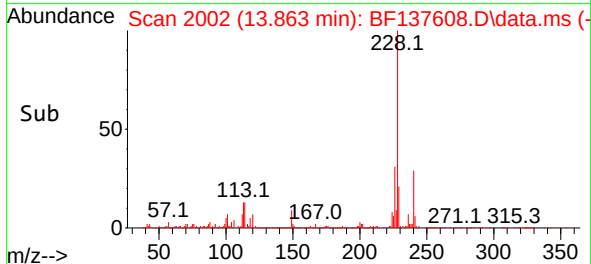
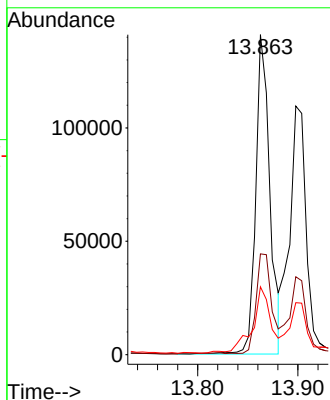
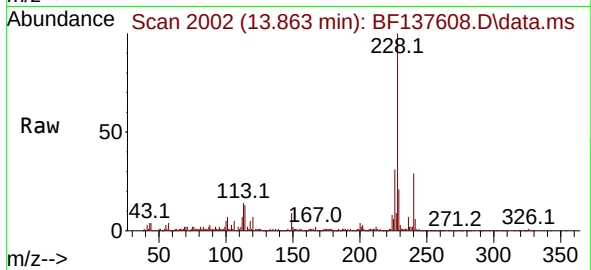
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Reviewed By :Jagrut
Upadhyay

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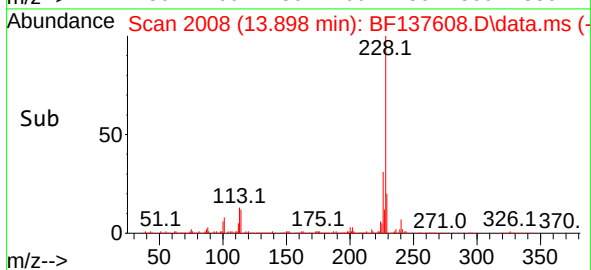
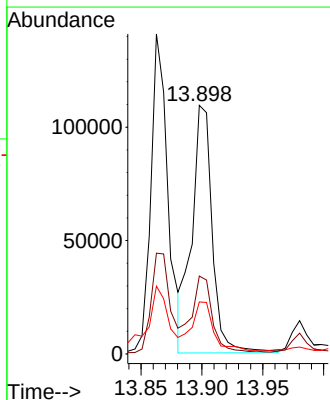
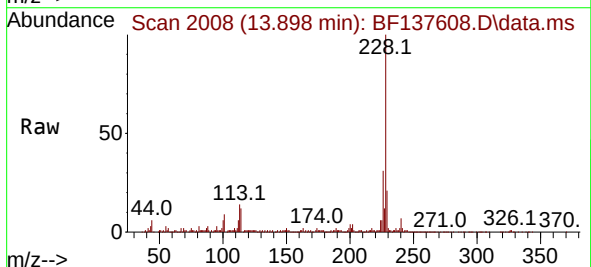
Supervised By :mohammad
ahmed

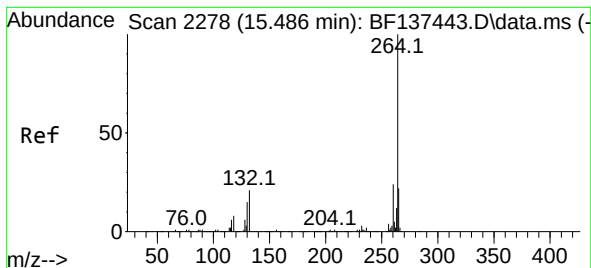
03/16/2024



#83
Chrysene
Concen: 4.904 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

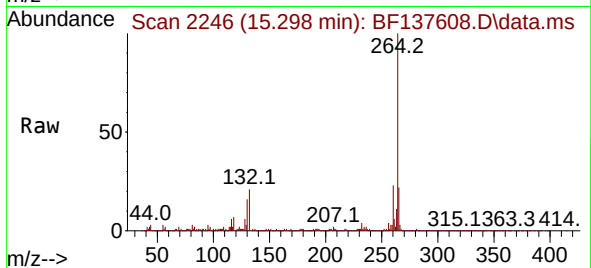
Tgt Ion:228 Resp: 128281
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 20.9 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



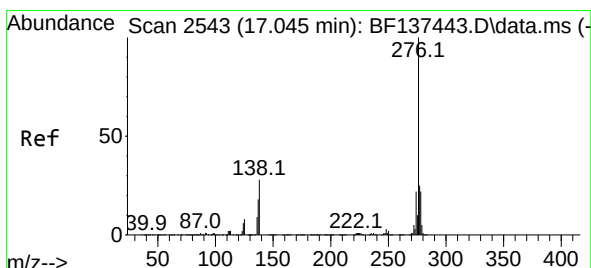
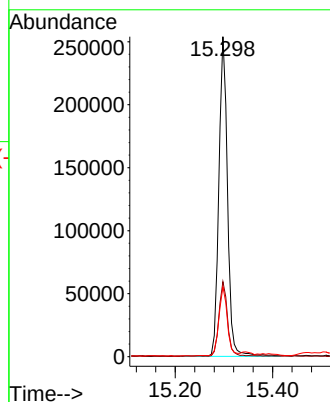
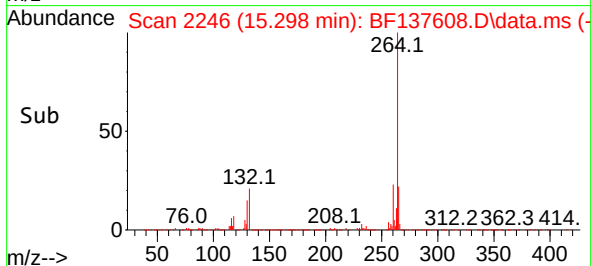
Tgt Ion:264 Resp: 31115
Ion Ratio Lower Upper
264 100
260 23.5 19.3 28.9
265 21.8 17.4 26.0

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Upadhyay

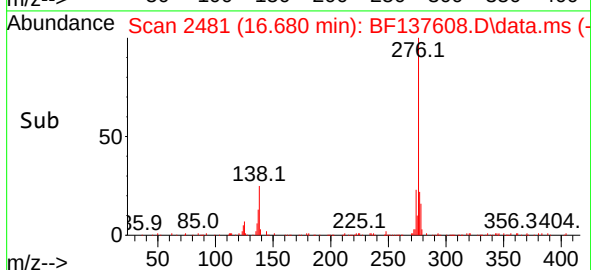
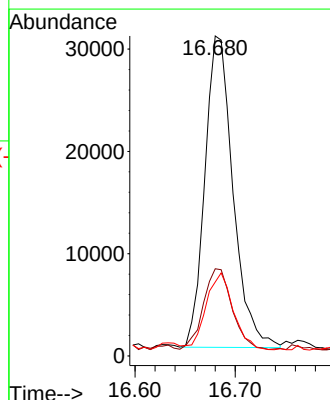
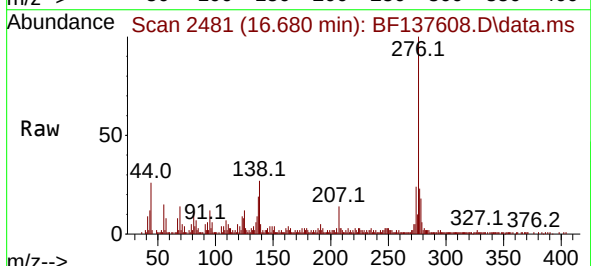
03/15/2024
Supervised By :mohammad
ahmed

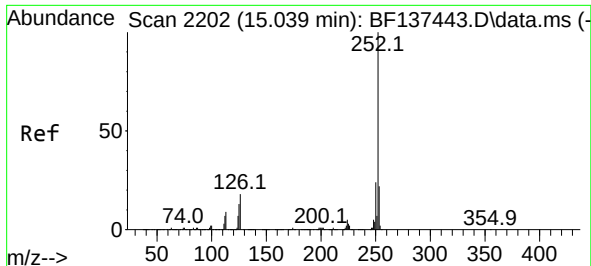
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.905 ng
RT: 16.680 min Scan# 2481
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

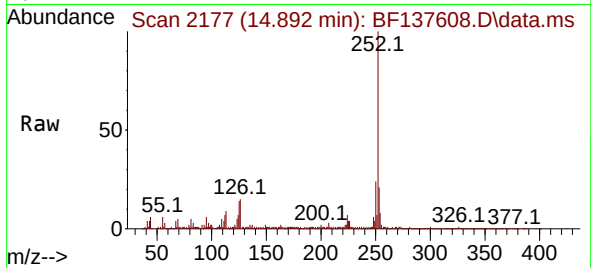
Tgt Ion:276 Resp: 59483
Ion Ratio Lower Upper
276 100
138 26.1 25.8 38.8
277 24.3 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 9.437 ng m
RT: 14.892 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Instrument :
BNA_F
ClientSampleId :
SB-01-0-2.0



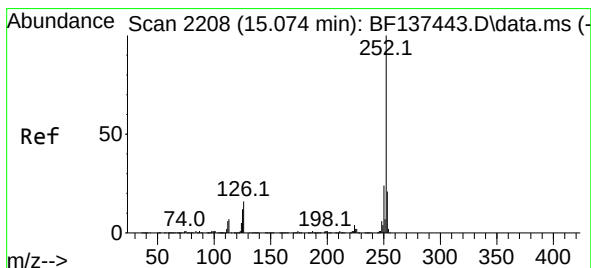
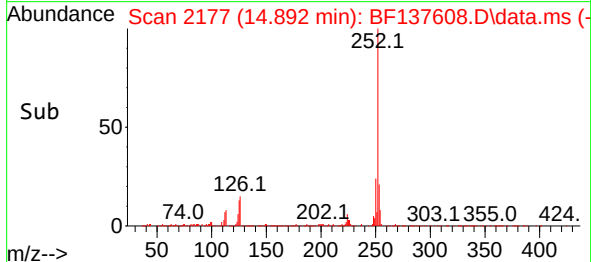
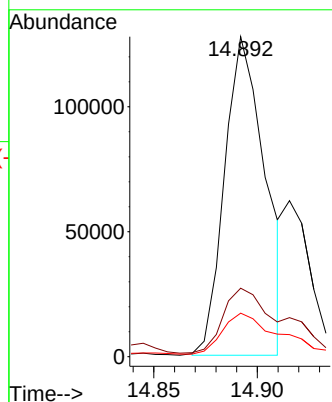
Tgt Ion:252 Resp: 173689
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 13.6 10.1 15.1

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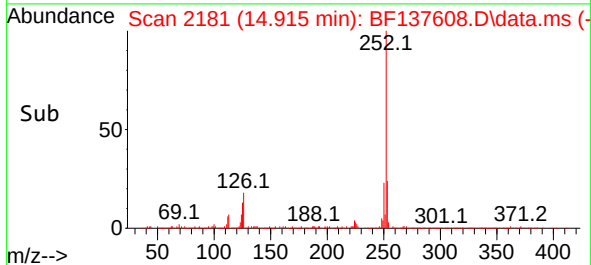
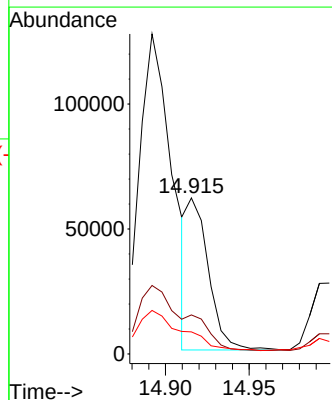
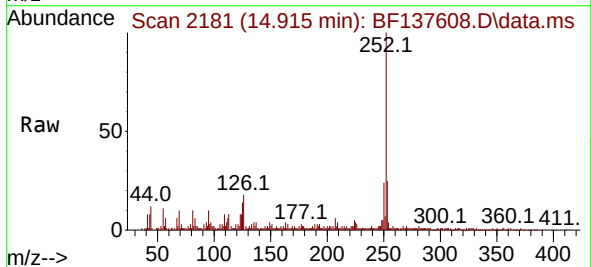
03/15/2024
Supervised By :mohammad
ahmed

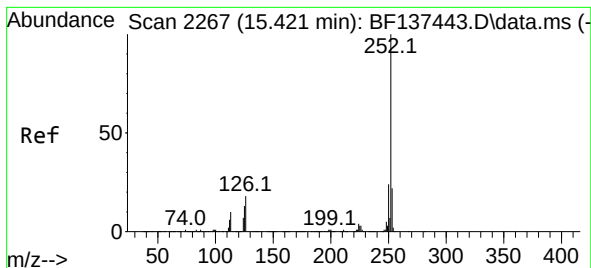
03/16/2024



#89
Benzo(k)fluoranthene
Concen: 2.727 ng m
RT: 14.915 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF137608.D
Acq: 14 Mar 2024 23:47

Tgt Ion:252 Resp: 53907
Ion Ratio Lower Upper
252 100
253 25.0 17.3 25.9
125 14.1 9.6 14.4





#90

Benzo(a)pyrene

Concen: 6.259 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137608.D

Acq: 14 Mar 2024 23:47

Instrument :

BNA_F

ClientSampleId :

SB-01-0-2.0

Tgt Ion:	252	Resp:	113518
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.2
125	13.4	10.4	15.6

Manual Integrations

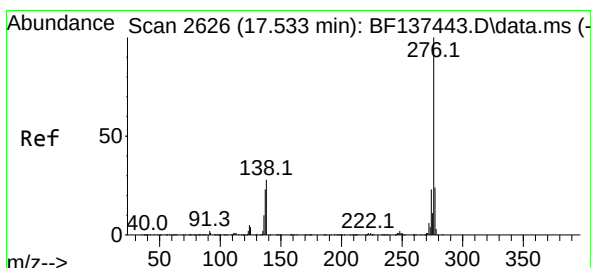
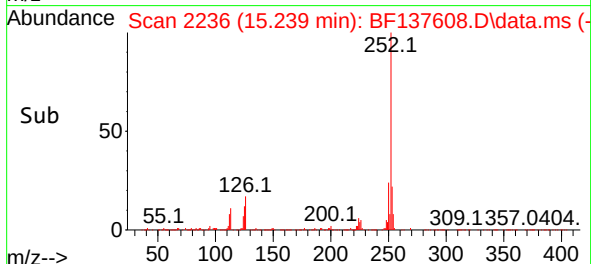
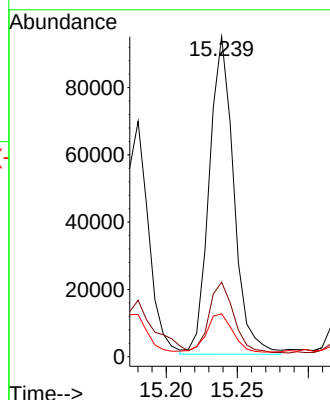
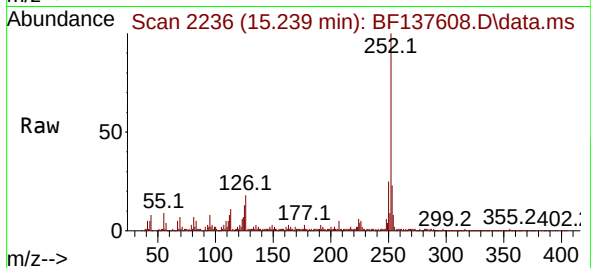
APPROVED

Reviewed By :Jagrut
Upadhyay

03/15/2024

Supervised By :mohammad
ahmed

03/16/2024



#92

Benzo(g,h,i)perylene

Concen: 3.485 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.006 min

Lab File: BF137608.D

Acq: 14 Mar 2024 23:47

Tgt Ion:	276	Resp:	59444
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.4
138	28.5	22.2	33.2

