

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135375.D
 Acq On : 21 Sep 2023 12:27
 Operator : CG\JU
 Sample : 04394-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-08

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 22 05:53:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	140972	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	531799	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	240783	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	376853	20.000	ng	0.00
76) Chrysene-d12	13.939	240	265187	20.000	ng	0.00
86) Perylene-d12	15.410	264	271035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	741916	85.598	ng	0.00
7) Phenol-d6	6.398	99	931989	84.563	ng	0.00
23) Nitrobenzene-d5	7.322	82	571590	58.395	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	160024	66.877	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	911219	57.096	ng	-0.01
79) Terphenyl-d14	12.880	244	635820	37.168	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.310	178	47869	2.686	ng	98
72) Anthracene	11.363	178	37791	2.063	ng	98
75) Fluoranthene	12.504	202	335942	18.089	ng	99
78) Pyrene	12.733	202	277478	10.990	ng	98
81) Benzo(a)anthracene	13.933	228	156319	9.129	ng	94
83) Chrysene	13.969	228	135401	7.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	47582	2.678	ng	98
88) Benzo(b)fluoranthene	14.980	252	148596m	10.128	ng	
89) Benzo(k)fluoranthene	15.010	252	59184m	4.084	ng	
90) Benzo(a)pyrene	15.345	252	114075	8.153	ng	98
92) Benzo(g,h,i)perylene	17.333	276	40847	2.690	ng	# 94

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

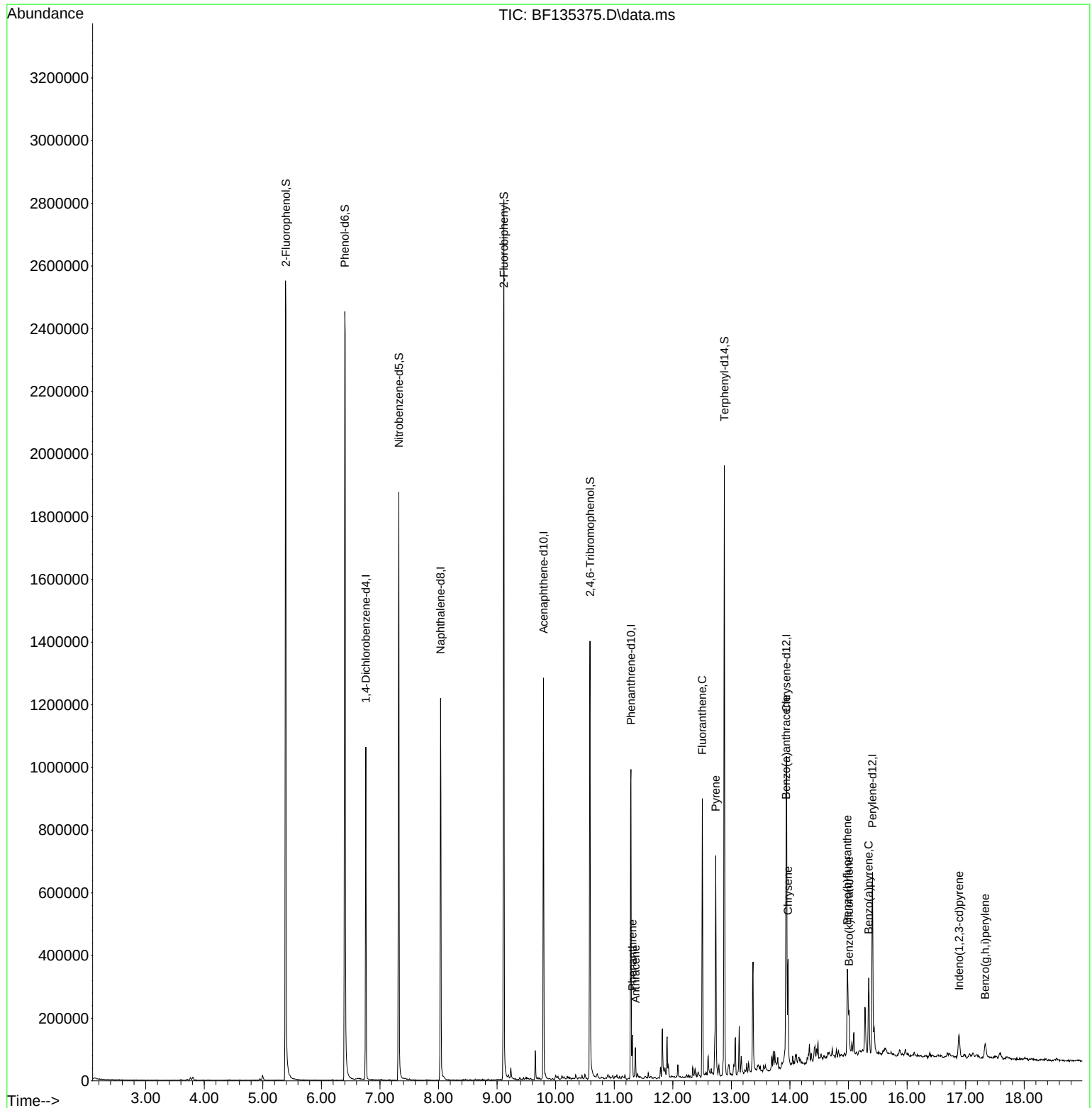
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135375.D
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ALS Vial : 7 Sample Multiplier: 1

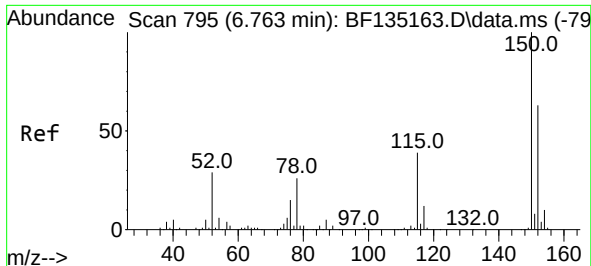
Instrument :
BNA_F
ClientSampleId :
B103-08

Quant Time: Sep 22 05:53:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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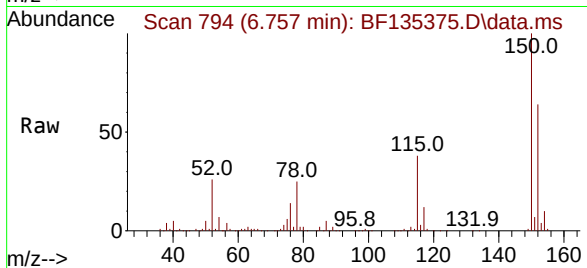
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

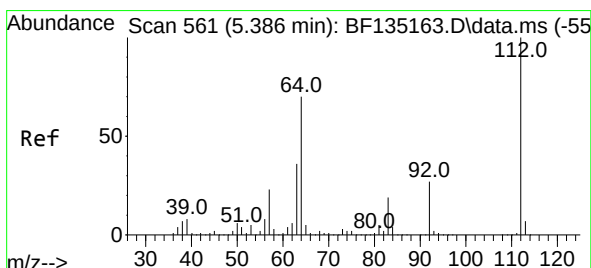
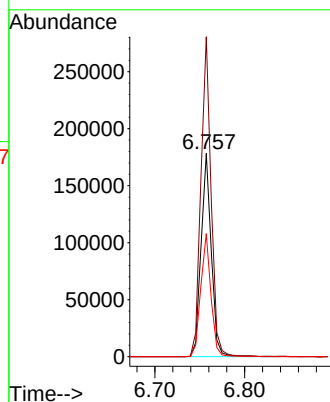
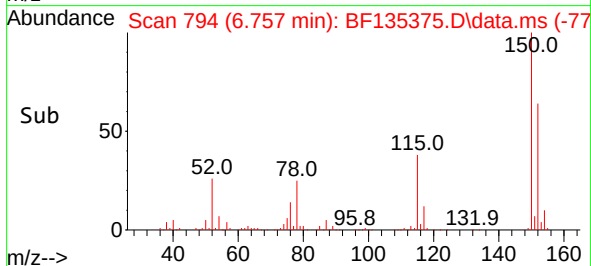
Instrument :
BNA_F
ClientSampleId :
B103-08



Tgt Ion:152 Resp: 140972
Ion Ratio Lower Upper
152 100
150 157.4 127.8 191.6
115 60.5 49.8 74.8

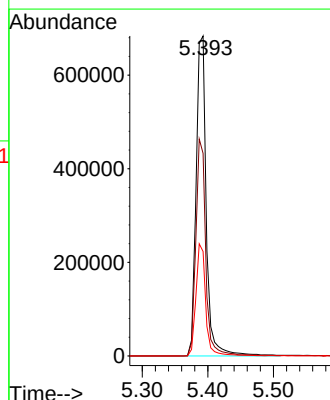
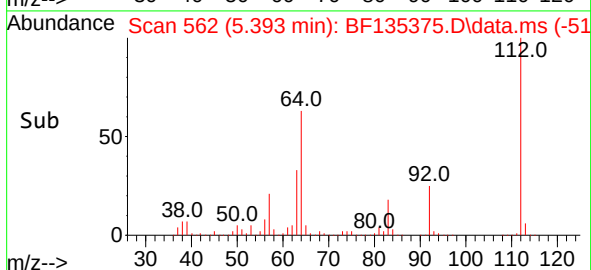
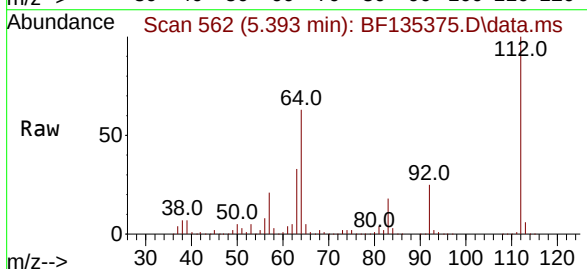
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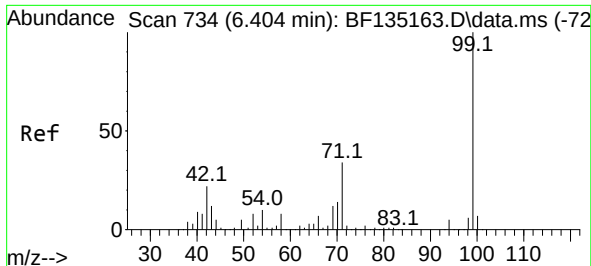
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#5
2-Fluorophenol
Concen: 85.598 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

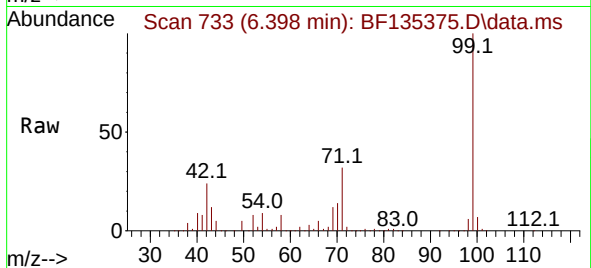
Tgt Ion:112 Resp: 741916
Ion Ratio Lower Upper
112 100
64 63.3 55.9 83.9
63 32.7 29.0 43.6





#7
Phenol-d6
Concen: 84.563 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

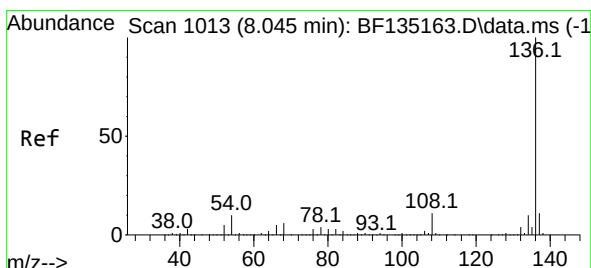
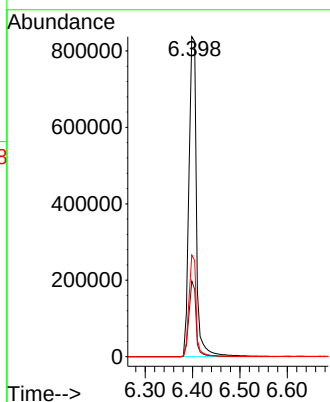
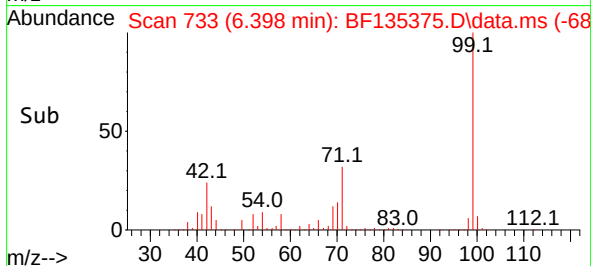
Instrument :
BNA_F
ClientSampleId :
B103-08



Tgt Ion: 99 Resp: 931989
Ion Ratio Lower Upper
99 100
42 23.7 17.9 26.9
71 31.8 27.0 40.6

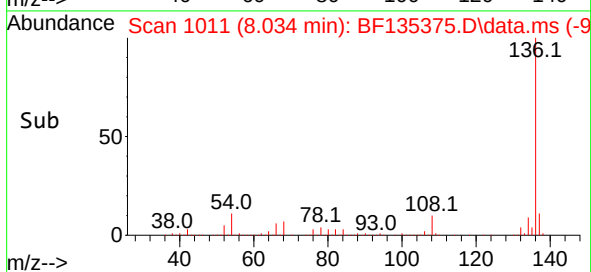
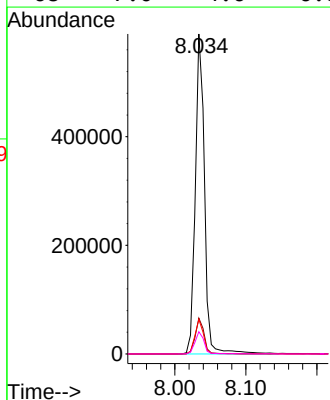
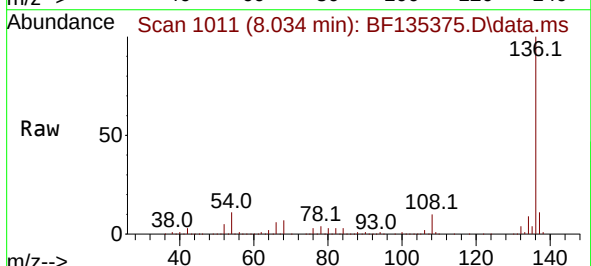
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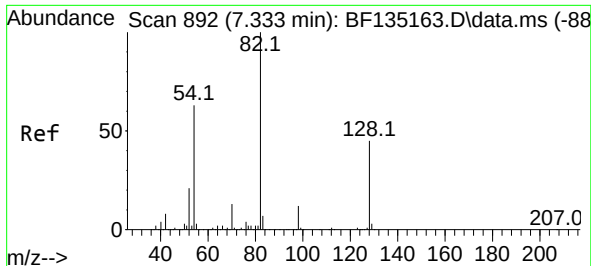
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.011 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion:136 Resp: 531799
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.8 7.7 11.5
68 7.0 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 58.395 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135375.D

Acq: 21 Sep 2023 12:27

Instrument :

BNA_F

ClientSampleId :

B103-08

Tgt Ion: 82 Resp: 571590

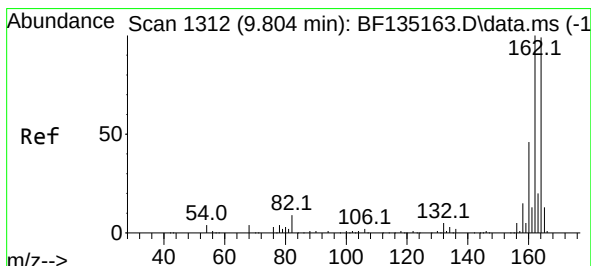
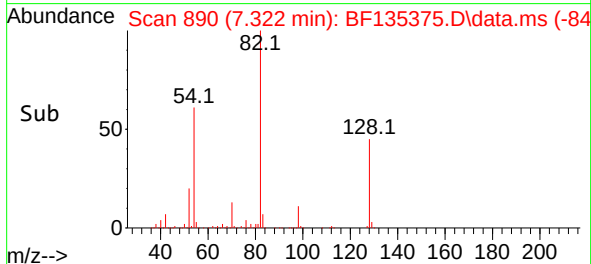
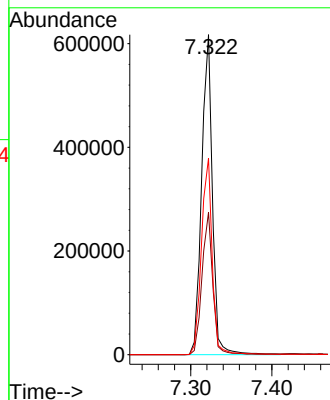
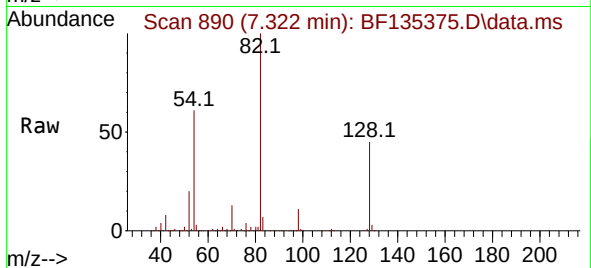
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.8	53.6
54	61.4	50.6	76.0

Manual Integrations

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Supervised By :mohammad ahmed 09/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

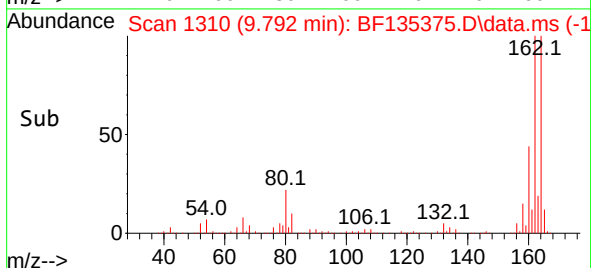
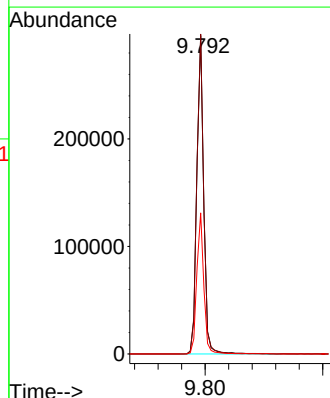
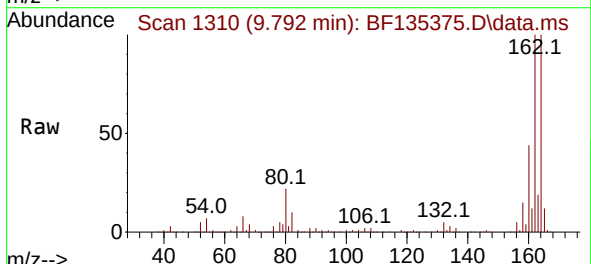
Delta R.T. -0.011 min

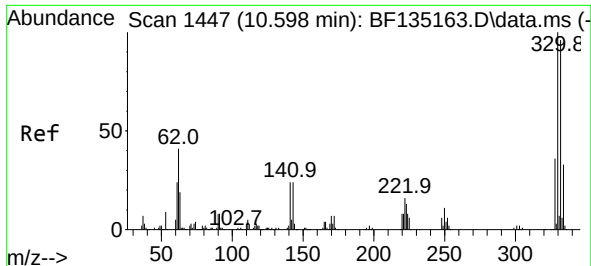
Lab File: BF135375.D

Acq: 21 Sep 2023 12:27

Tgt Ion:164 Resp: 240783

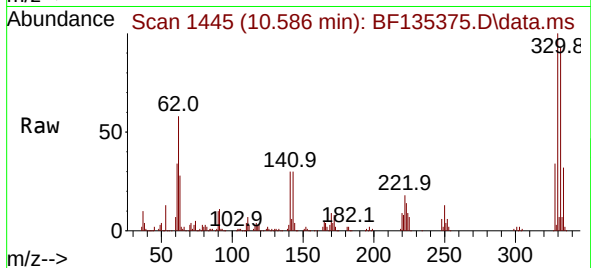
Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.0	121.4
160	44.3	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 66.877 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

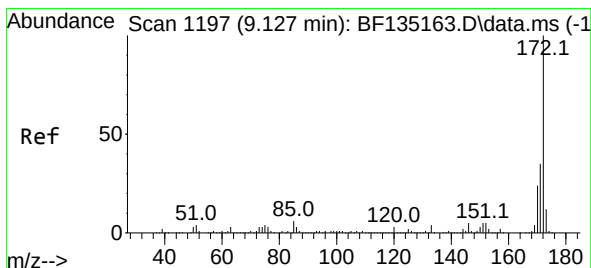
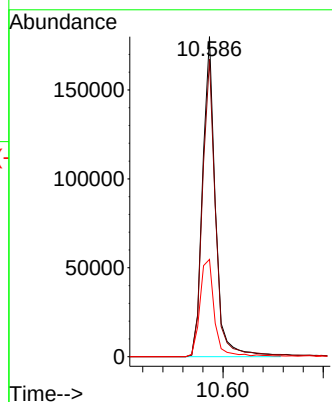
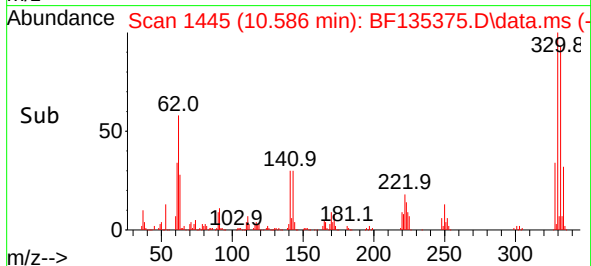
Instrument :
BNA_F
ClientSampleId :
B103-08



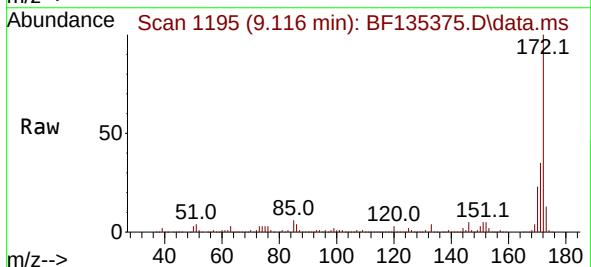
Tgt Ion: 330 Resp: 160024
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 34.9 25.8 38.8

Manual Integrations
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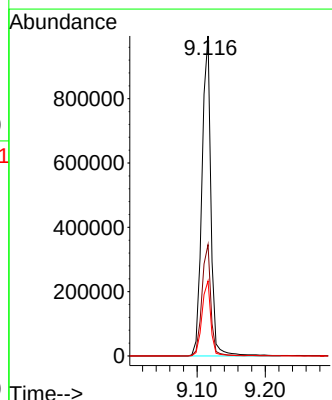
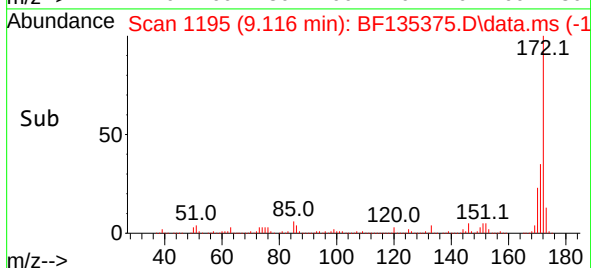
Reviewed By : Yogesh Patel 09/22/2023
Supervised By : mohammad ahmed 09/27/2023

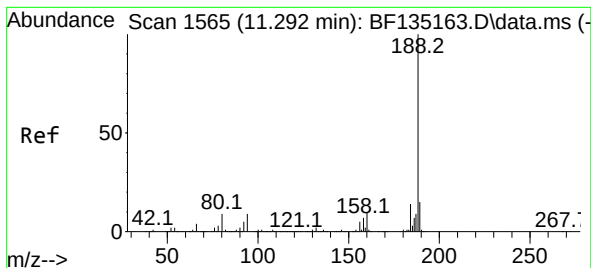


#45
2-Fluorobiphenyl
Concen: 57.096 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27



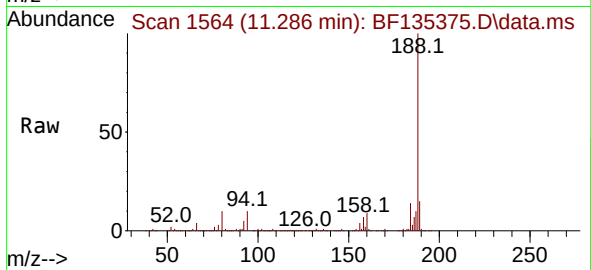
Tgt Ion: 172 Resp: 911219
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 23.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

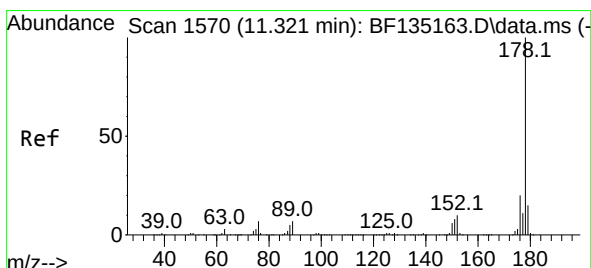
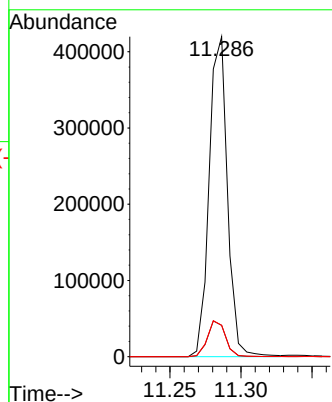
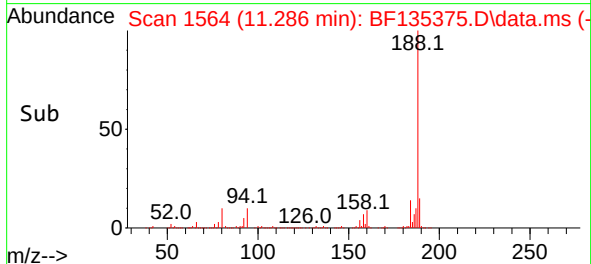
Instrument :
BNA_F
ClientSampleId :
B103-08



Tgt Ion:188 Resp: 37685
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 9.8 7.5 11.3

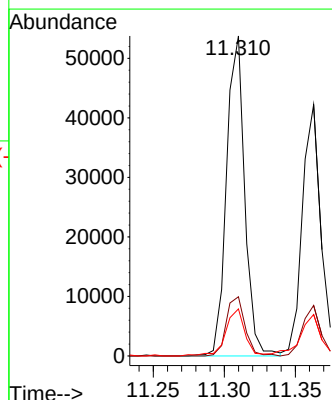
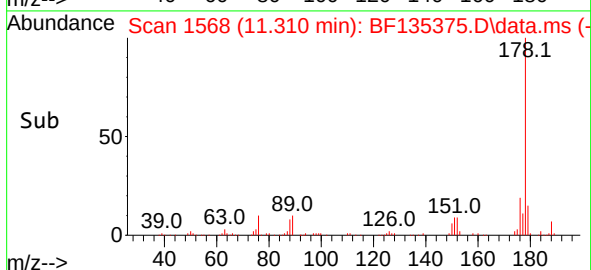
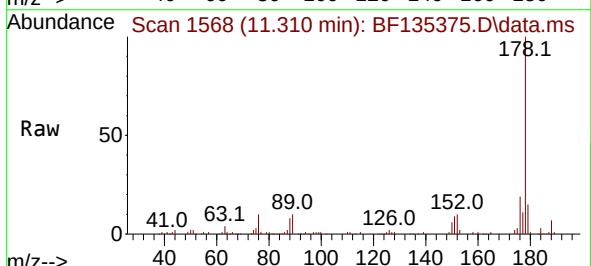
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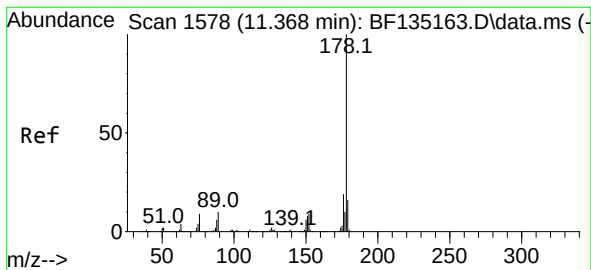
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#71
Phenanthrene
Concen: 2.686 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.011 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion:178 Resp: 47869
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.7 12.0 18.0





#72

Anthracene

Concen: 2.063 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135375.D

Acq: 21 Sep 2023 12:27

Instrument :

BNA_F

ClientSampleId :

B103-08

Tgt Ion:178 Resp: 3779

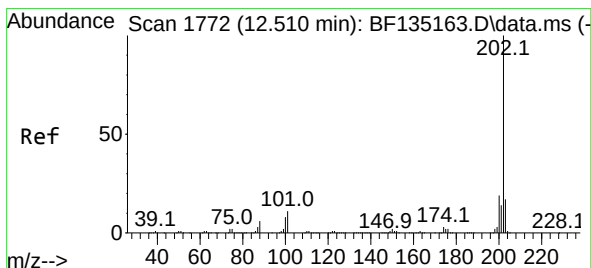
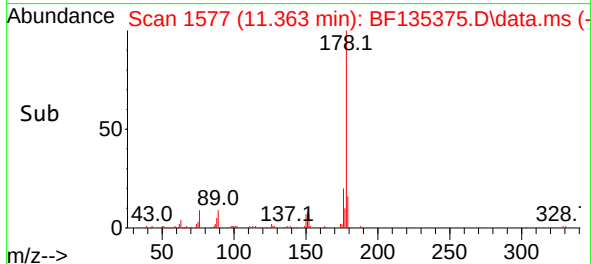
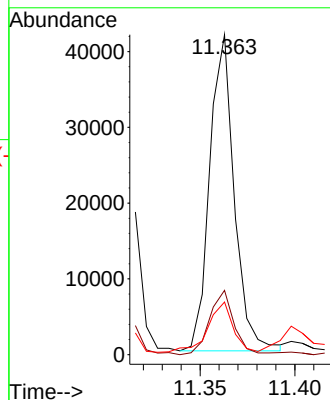
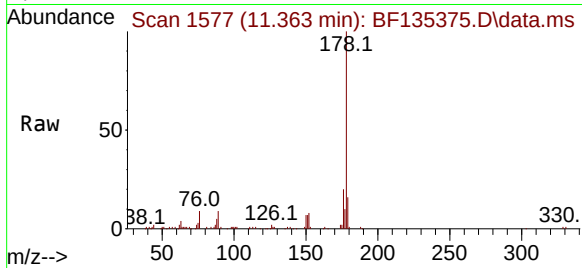
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.4	23.2
179	16.5	12.6	19.0

Manual Integrations

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Supervised By :mohammad ahmed 09/27/2023



#75

Fluoranthene

Concen: 18.089 ng

RT: 12.504 min Scan# 1771

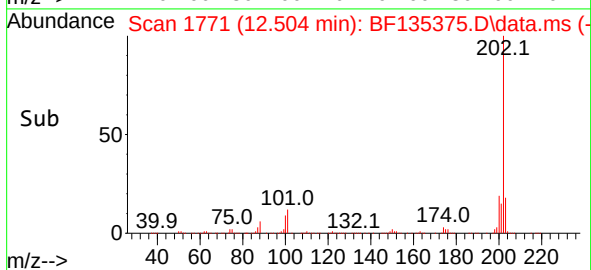
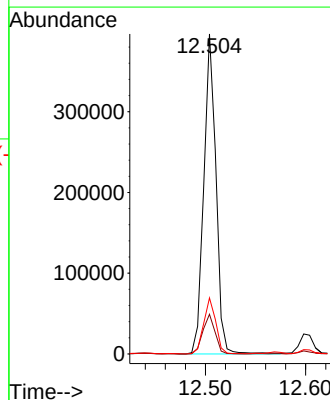
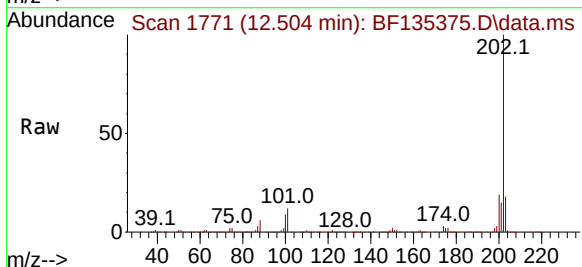
Delta R.T. -0.006 min

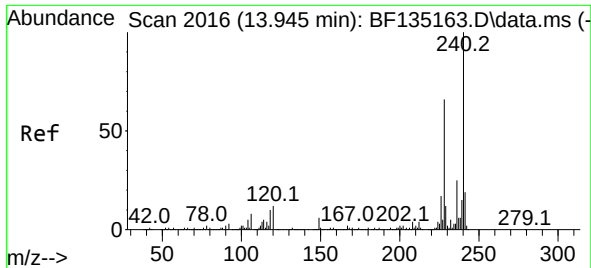
Lab File: BF135375.D

Acq: 21 Sep 2023 12:27

Tgt Ion:202 Resp: 335942

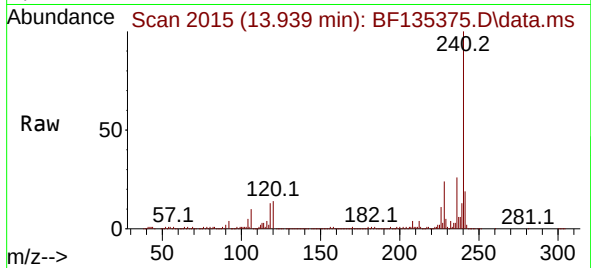
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.3
203	17.5	0.0	37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

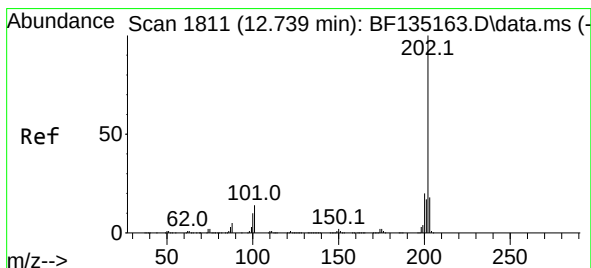
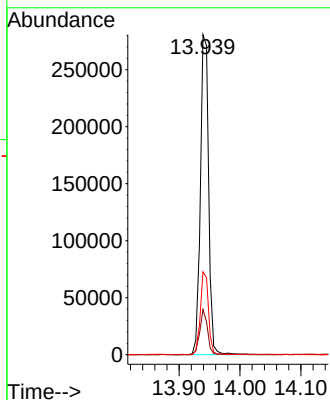
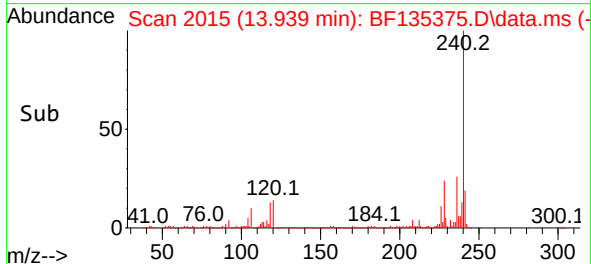
Instrument :
BNA_F
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B103-08



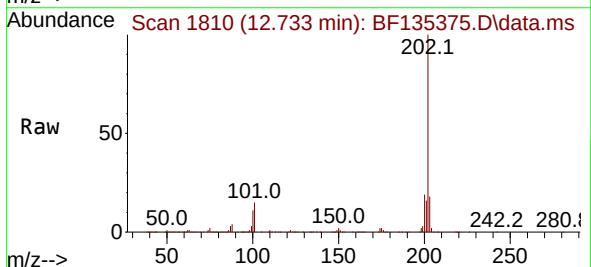
Tgt Ion:240 Resp: 26518
Ion Ratio Lower Upper
240 100
120 14.1 9.4 14.2
236 25.9 19.8 29.8

Manual Integrations
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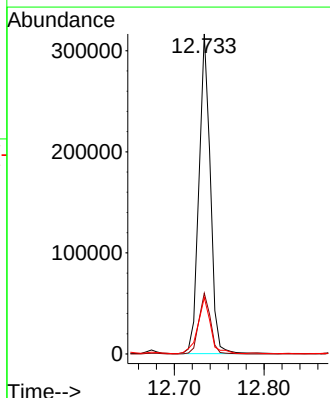
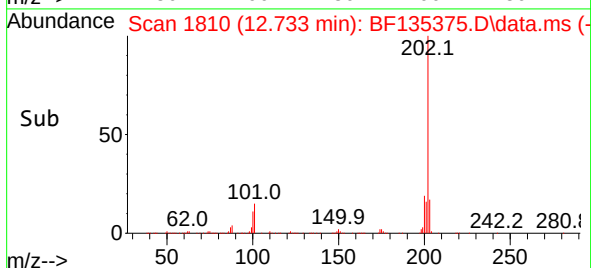
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

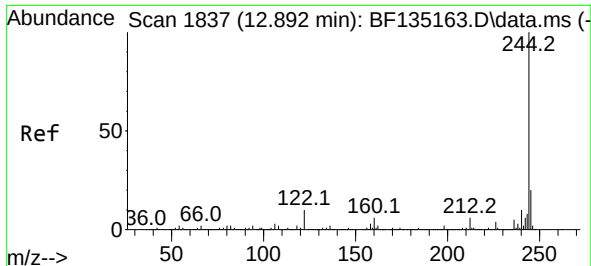


#78
Pyrene
Concen: 10.990 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27



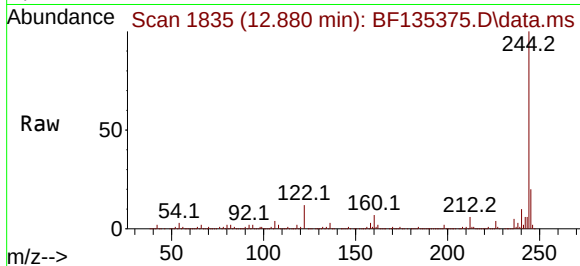
Tgt Ion:202 Resp: 277478
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.2
203 17.6 14.2 21.4





#79
 Terphenyl-d14
 Concen: 37.168 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

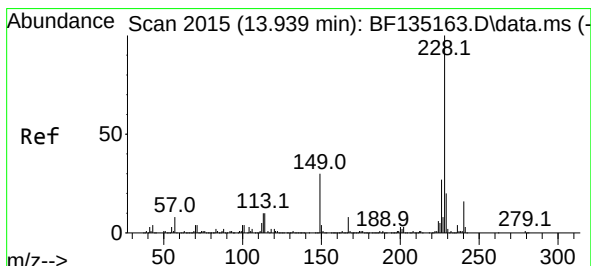
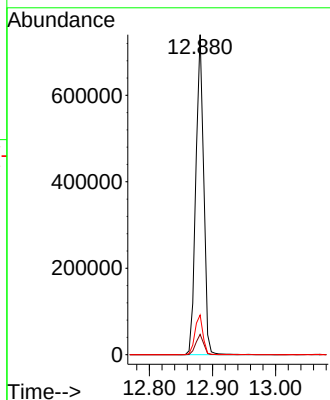
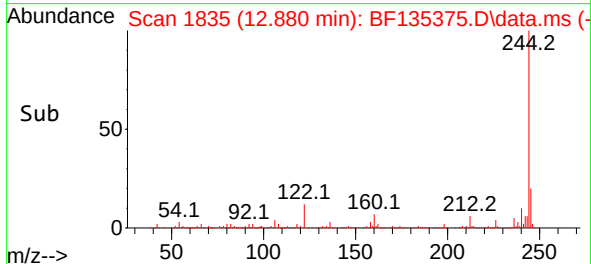
Instrument :
 BNA_F
 ClientSampleId :
 B103-08



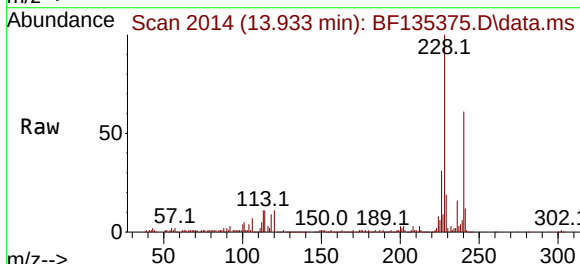
Tgt Ion:244 Resp: 635820
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.4 7.9 11.9

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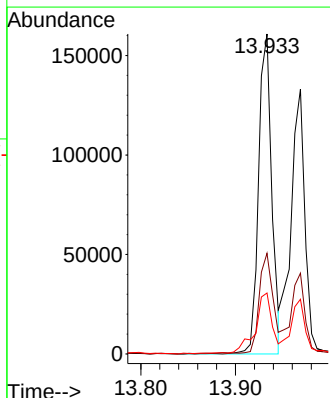
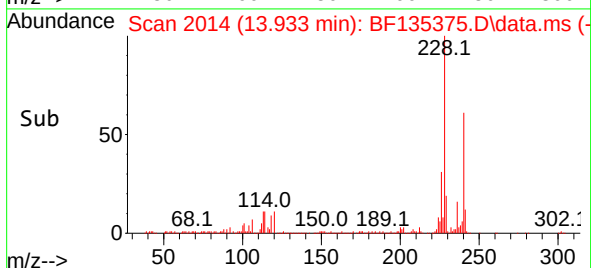
Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

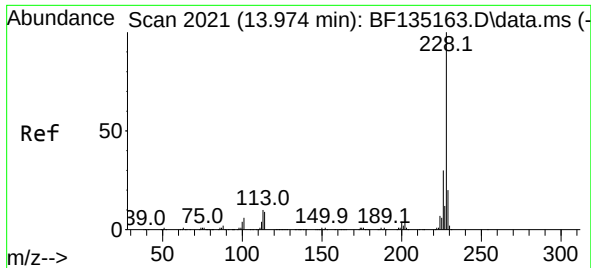


#81
 Benzo(a)anthracene
 Concen: 9.129 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27



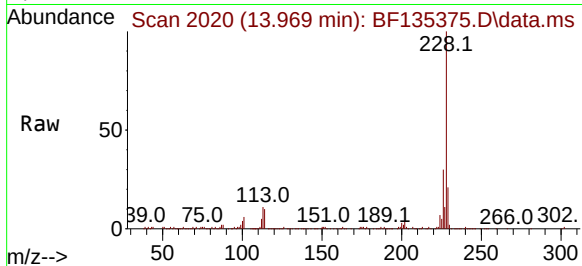
Tgt Ion:228 Resp: 156319
 Ion Ratio Lower Upper
 228 100
 226 31.5 21.7 32.5
 229 19.1 15.8 23.8





#83
Chrysene
Concen: 7.953 ng
RT: 13.969 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

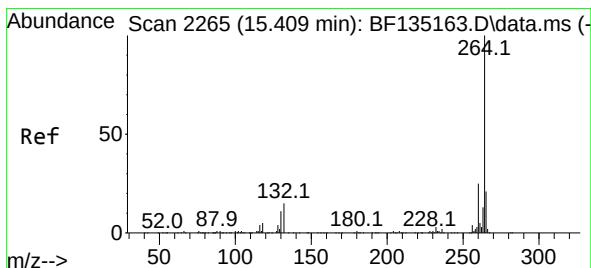
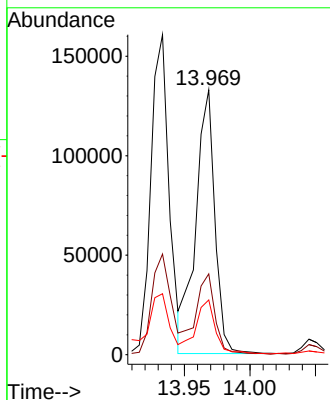
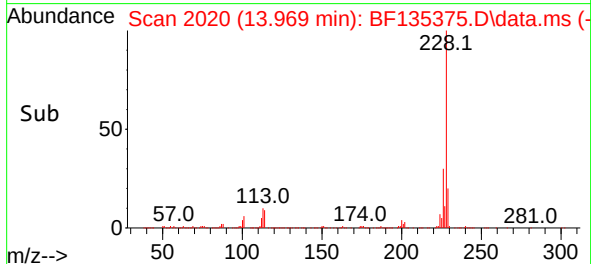
Instrument :
BNA_F
ClientSampleId :
B103-08



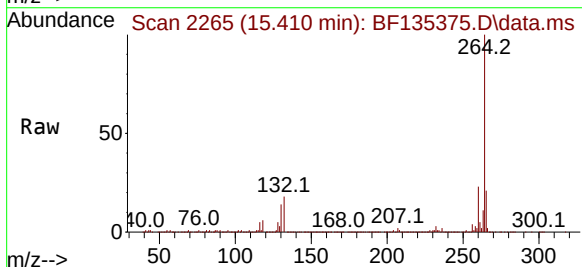
Tgt Ion:228 Resp: 13540
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.7 16.0 24.0

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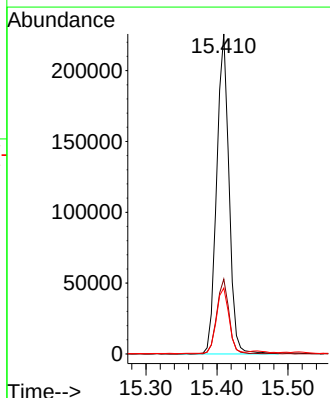
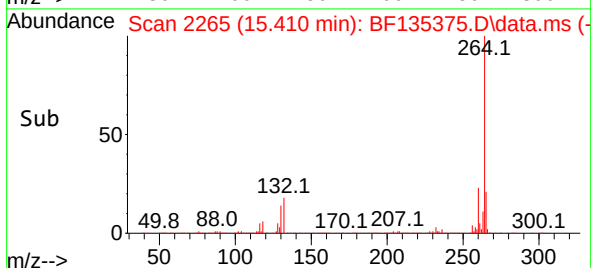
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

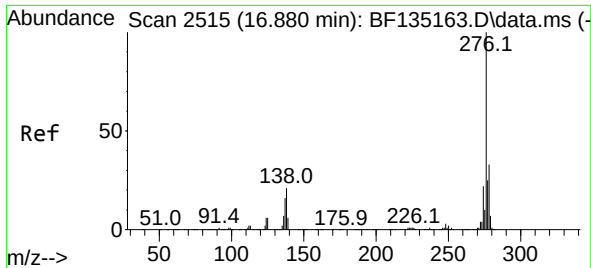


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27



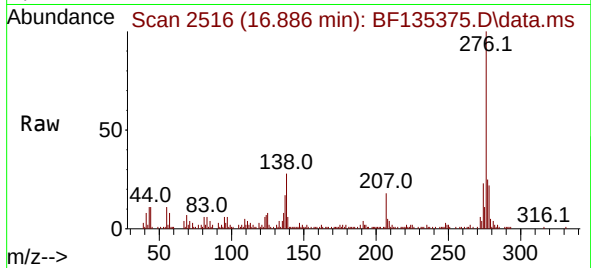
Tgt Ion:264 Resp: 271035
Ion Ratio Lower Upper
264 100
260 23.4 19.8 29.6
265 20.6 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.678 ng
RT: 16.886 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

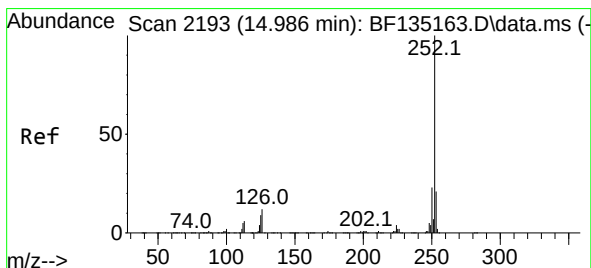
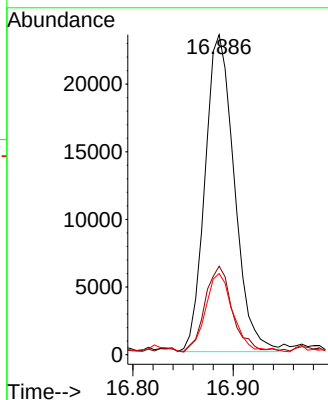
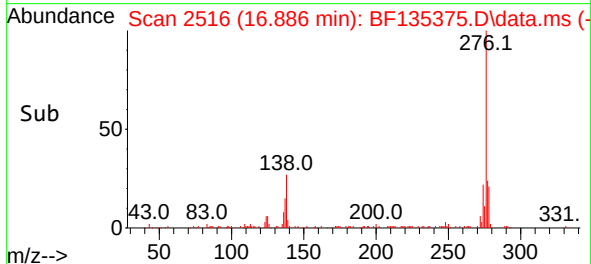
Instrument :
BNA_F
ClientSampleId :
B103-08



Tgt Ion:276 Resp: 4758
Ion Ratio Lower Upper
276 100
138 24.7 19.2 28.8
277 23.5 19.7 29.5

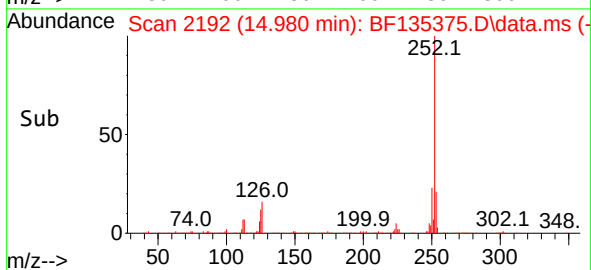
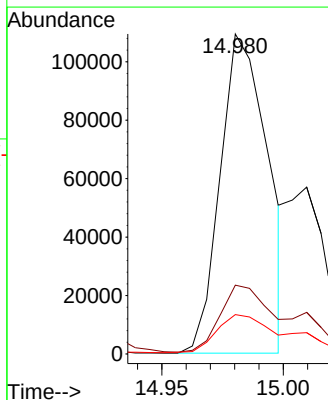
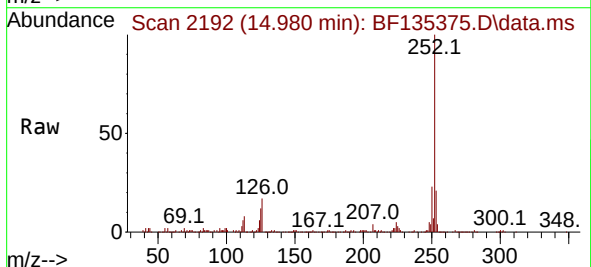
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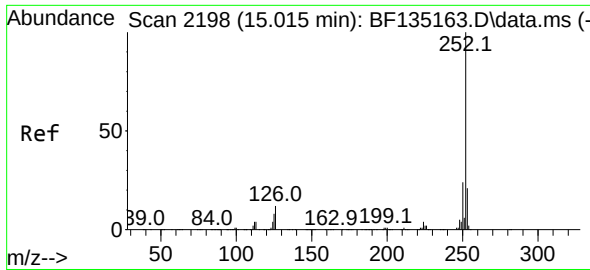
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#88
Benzo(b)fluoranthene
Concen: 10.128 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

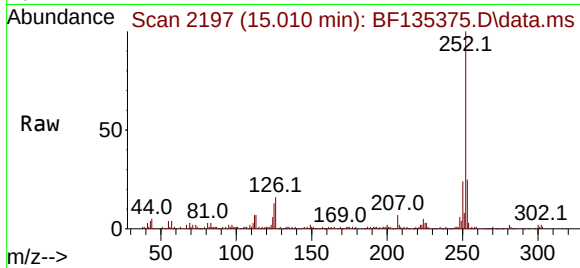
Tgt Ion:252 Resp: 148596
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 12.3 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 4.084 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

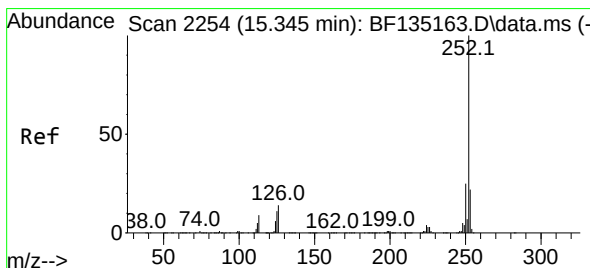
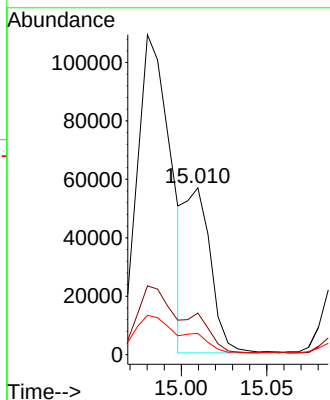
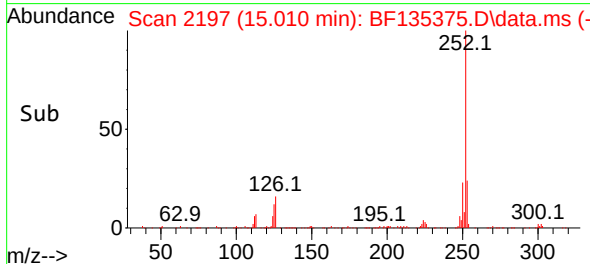
Instrument :
BNA_F
ClientSampleId :
B103-08



Tgt Ion:252 Resp: 59184
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 12.7 7.2 10.8

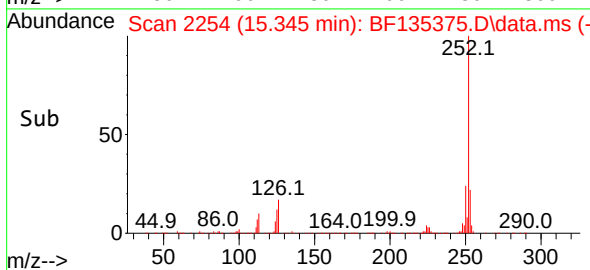
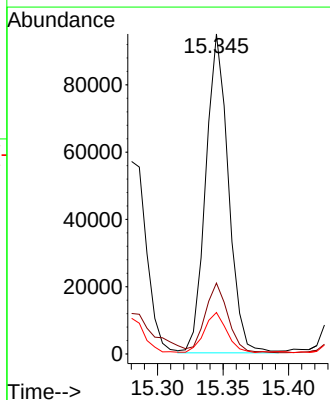
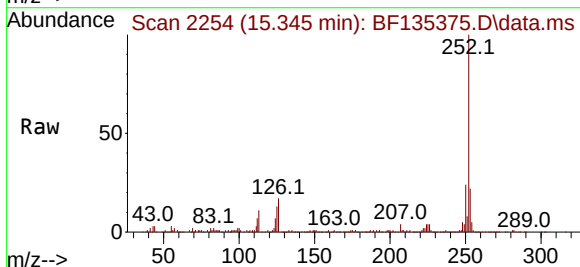
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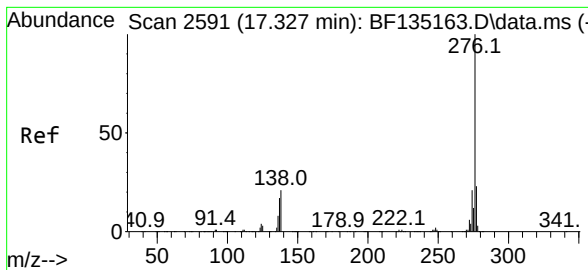
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#90
Benzo(a)pyrene
Concen: 8.153 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

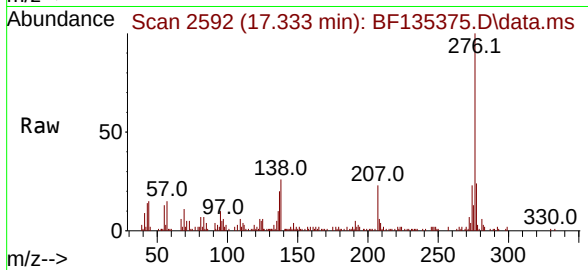
Tgt Ion:252 Resp: 114075
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 13.0 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.690 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

Instrument :
 BNA_F
 ClientSampleId :
 B103-08



Tgt Ion:276 Resp: 4084
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.8 28.2
 138 25.7 16.9 25.3

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Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

