

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135595.D
 Acq On : 05 Oct 2023 04:38
 Operator : CG\JU
 Sample : 04703-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/05/2023
 Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 05 06:52:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	98147	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	304993	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	133956	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	198709	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	155702	20.000	ng	0.00
86) Perylene-d12	15.392	264	141254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	305692	50.658	ng	0.00
7) Phenol-d6	6.386	99	589367	76.809	ng	0.00
23) Nitrobenzene-d5	7.304	82	370405	65.981	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	20116	15.111	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	570235	64.225	ng	0.00
79) Terphenyl-d14	12.863	244	443366	44.142	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.039	128	48130	3.248	ng	99
37) 2-Methylnaphthalene	8.733	142	24199	2.429	ng	99
52) Acenaphthene	9.804	154	17219	2.348	ng	95
58) Fluorene	10.322	166	18538	2.155	ng	# 94
71) Phenanthrene	11.292	178	125255	13.328	ng	99
72) Anthracene	11.345	178	35204	3.644	ng	97
75) Fluoranthene	12.486	202	153564	15.681	ng	98
78) Pyrene	12.715	202	151395	10.213	ng	99
81) Benzo(a)anthracene	13.915	228	81977	8.154	ng	98
83) Chrysene	13.951	228	69840	6.987	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	26925	2.907	ng	98
88) Benzo(b)fluoranthene	14.968	252	72509m	9.483	ng	
89) Benzo(k)fluoranthene	14.998	252	26851m	3.555	ng	
90) Benzo(a)pyrene	15.333	252	55459	7.605	ng	# 88
92) Benzo(g,h,i)perylene	17.333	276	27759	3.508	ng	# 85

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

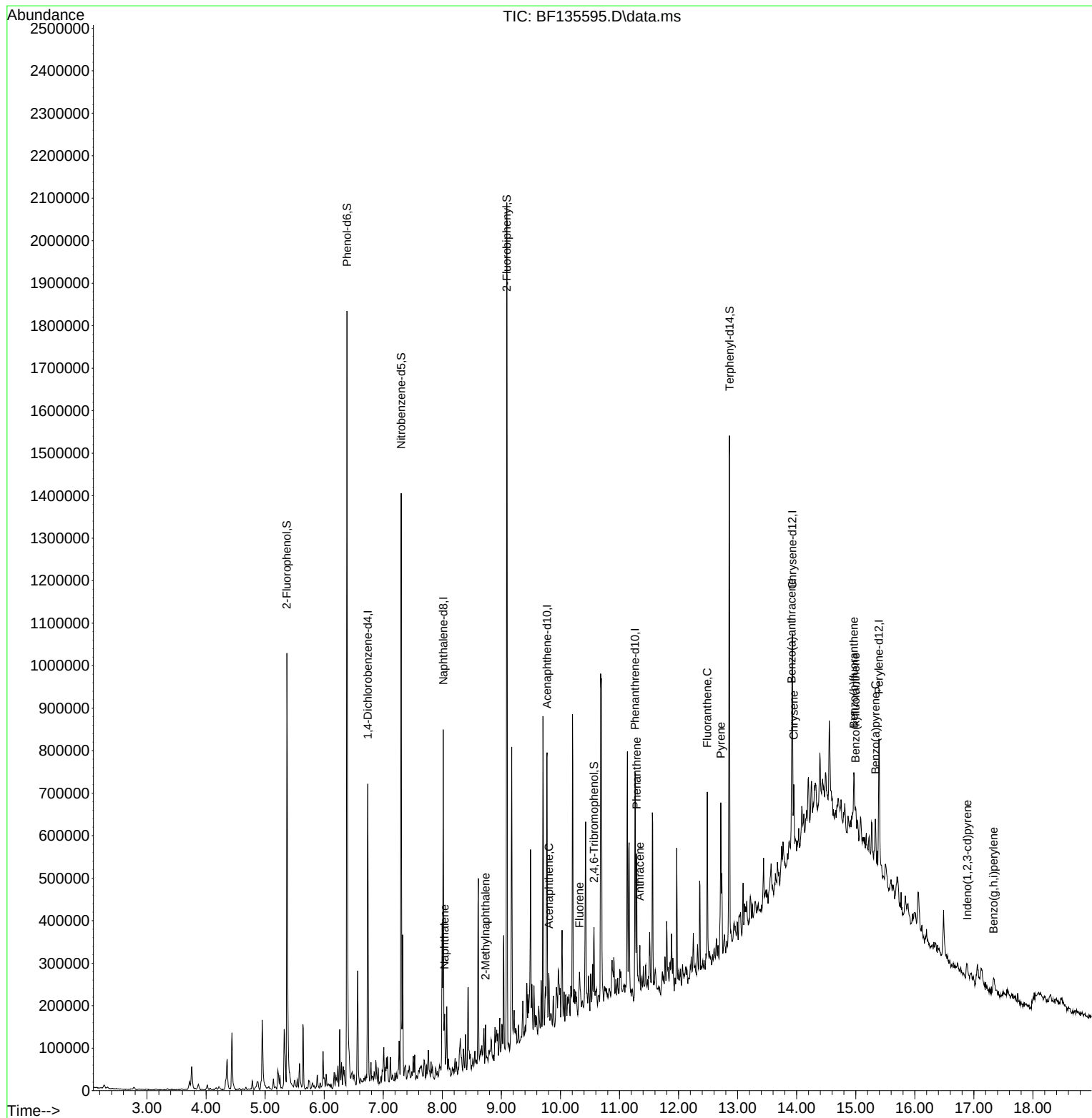
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
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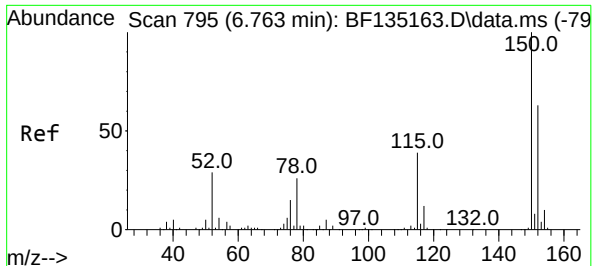
Instrument :
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Quant Time: Oct 05 06:52:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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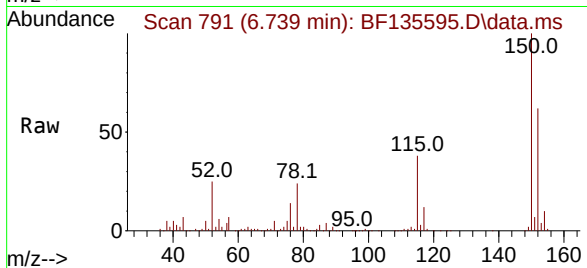
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

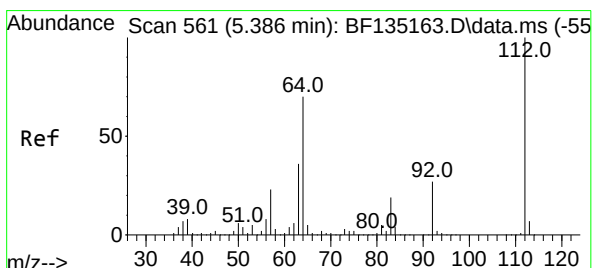
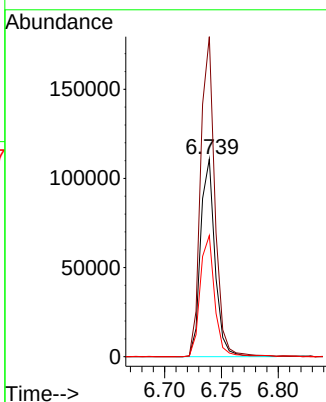
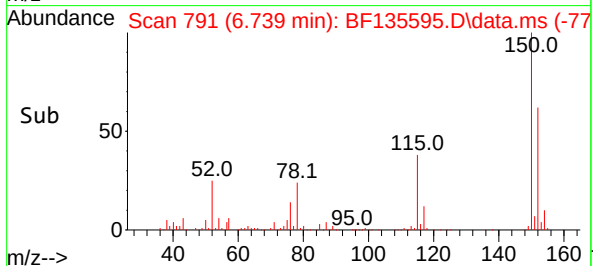
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003



Tgt Ion:152 Resp: 9814
Ion Ratio Lower Upper
152 100
150 161.9 127.8 191.6
115 61.3 49.8 74.8

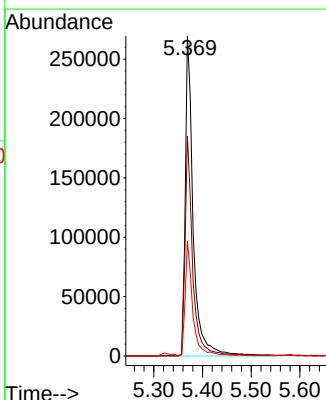
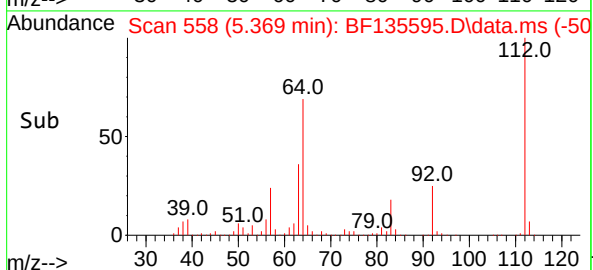
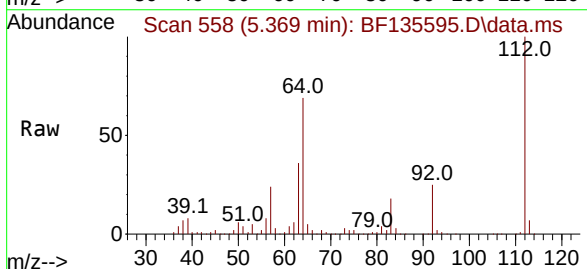
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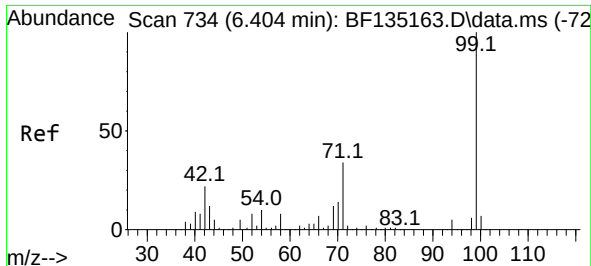
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#5
2-Fluorophenol
Concen: 50.658 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

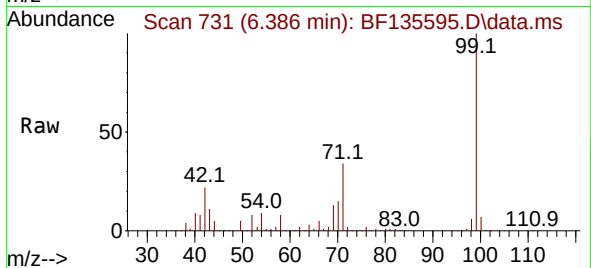
Tgt Ion:112 Resp: 305692
Ion Ratio Lower Upper
112 100
64 68.6 55.9 83.9
63 35.8 29.0 43.6





#7
Phenol-d6
Concen: 76.809 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

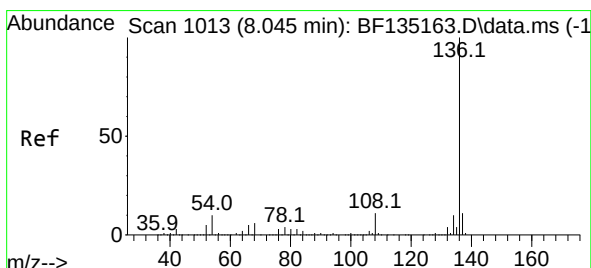
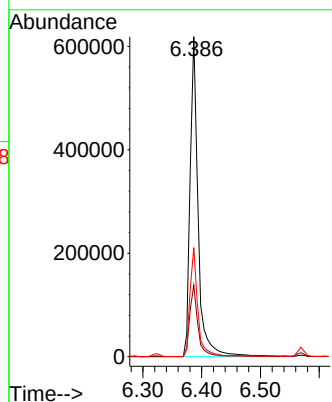
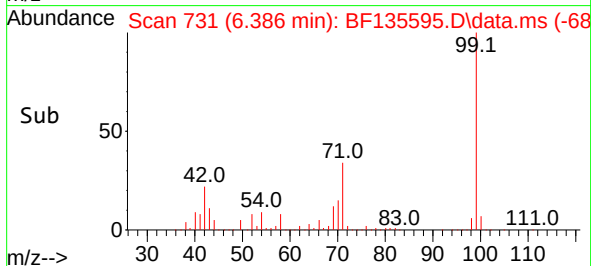
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003



Tgt Ion: 99 Resp: 58936
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 34.1 27.0 40.6

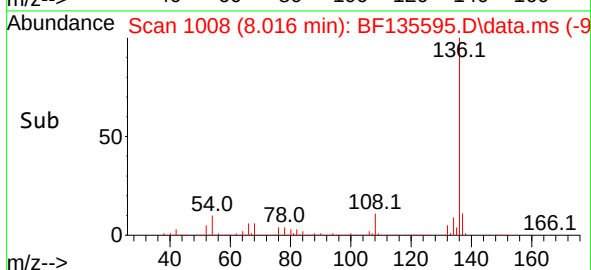
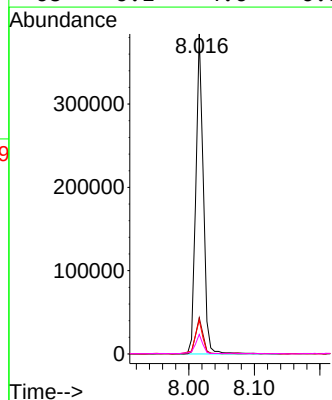
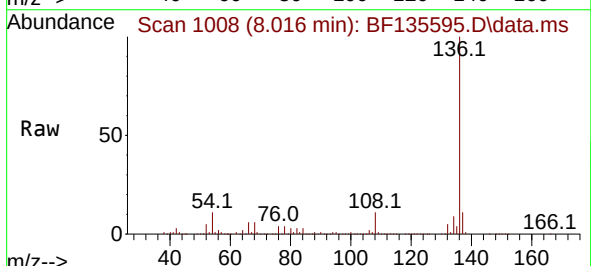
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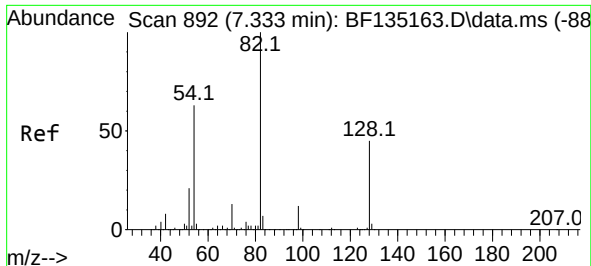
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:136 Resp: 304993
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 10.5 7.7 11.5
68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 65.981 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

Tgt Ion: 82 Resp: 37040

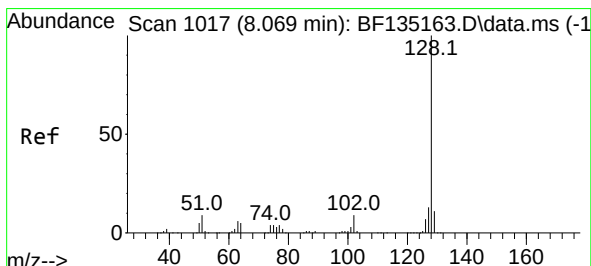
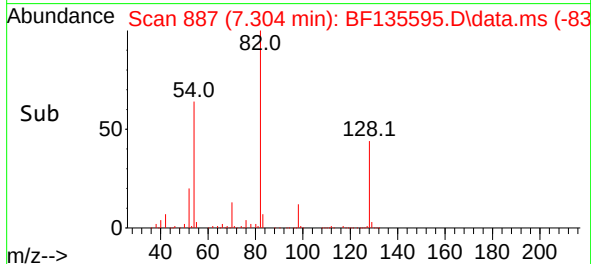
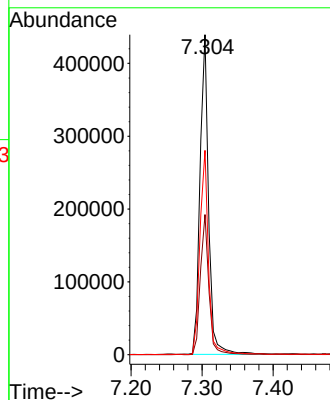
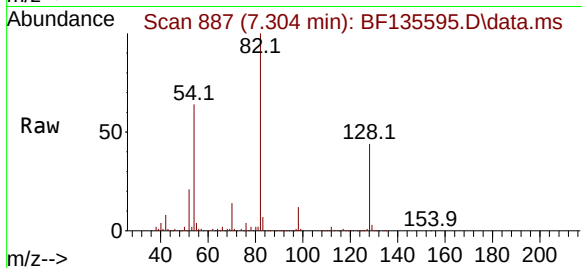
Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.8	53.6
54	63.9	50.6	76.0

Manual Integrations

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#31

Naphthalene

Concen: 3.248 ng

RT: 8.039 min Scan# 1012

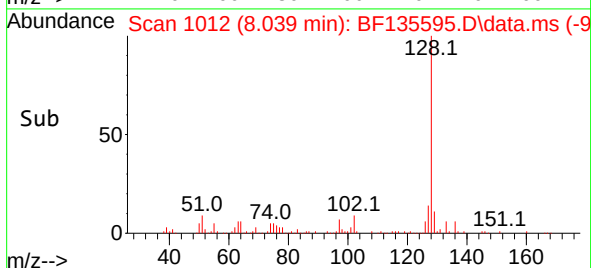
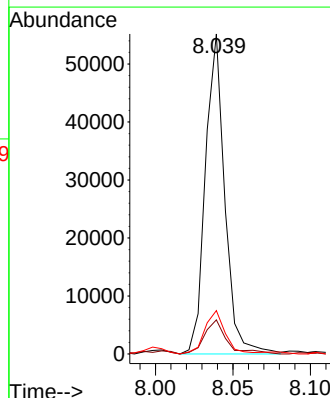
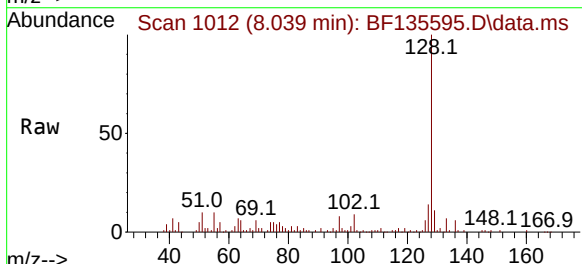
Delta R.T. -0.000 min

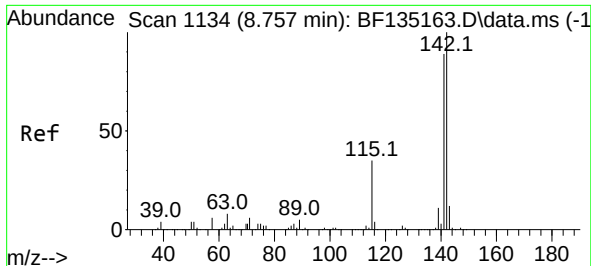
Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Tgt Ion:128 Resp: 48130

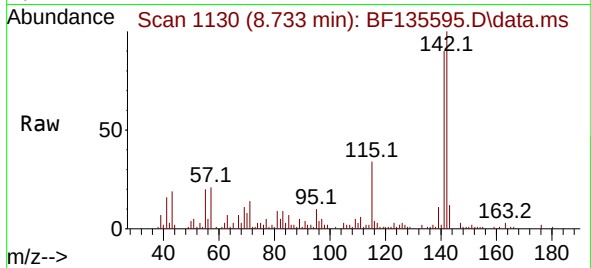
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.6	10.7	16.1





#37
2-Methylnaphthalene
Concen: 2.429 ng
RT: 8.733 min Scan# 1134
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

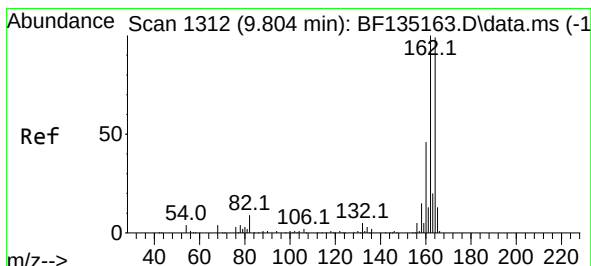
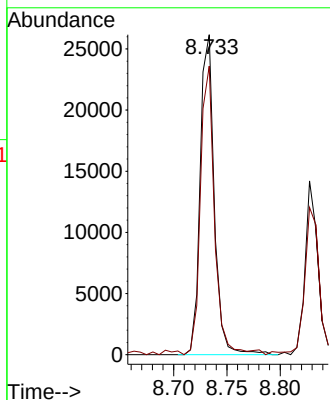
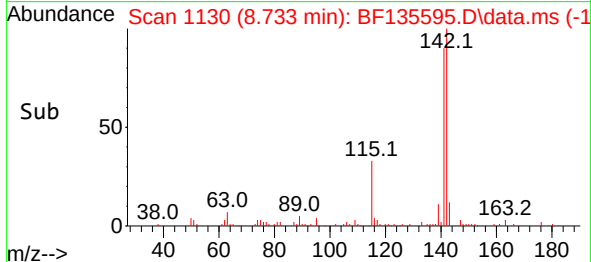
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003



Tgt Ion:142 Resp: 24199
Ion Ratio Lower Upper
142 100
141 90.2 71.0 106.6

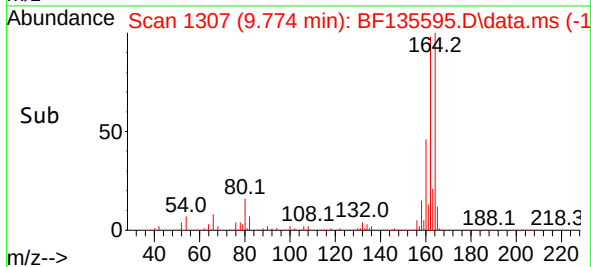
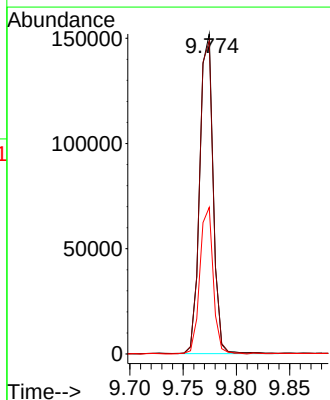
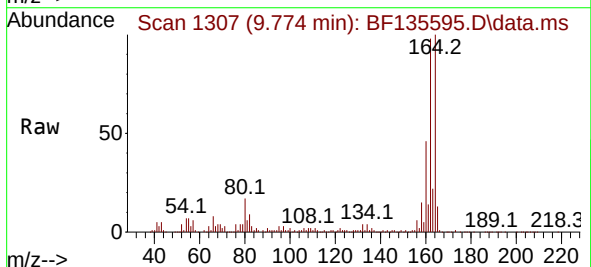
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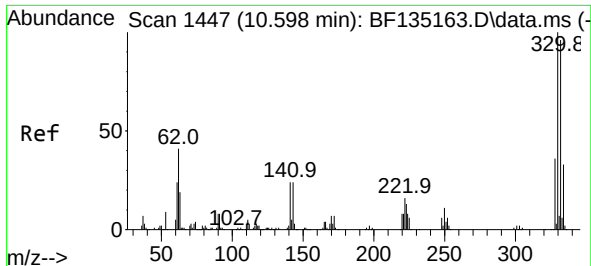
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

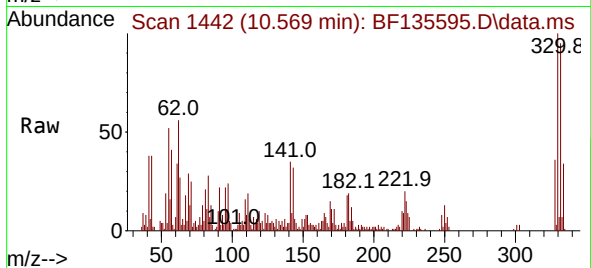
Tgt Ion:164 Resp: 133956
Ion Ratio Lower Upper
164 100
162 97.8 81.0 121.4
160 45.8 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 15.111 ng
RT: 10.569 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

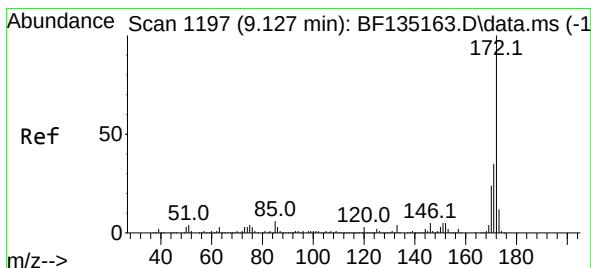
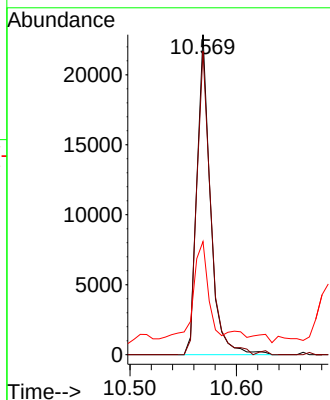
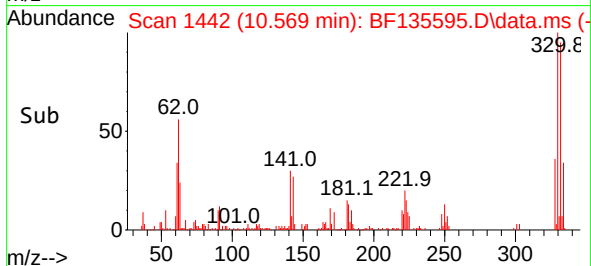
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003



Tgt Ion: 330 Resp: 20110
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 33.0 25.8 38.8

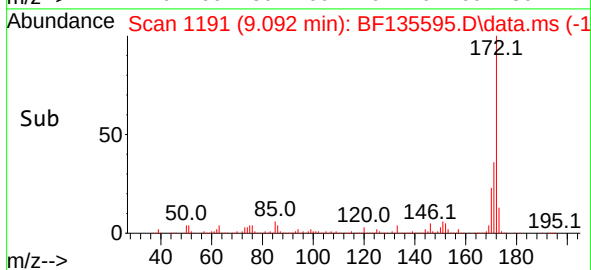
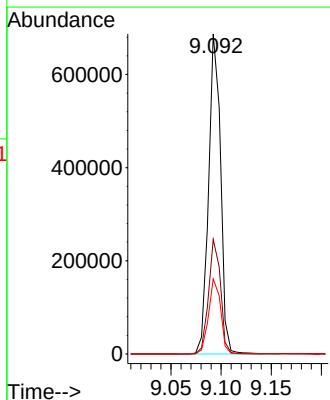
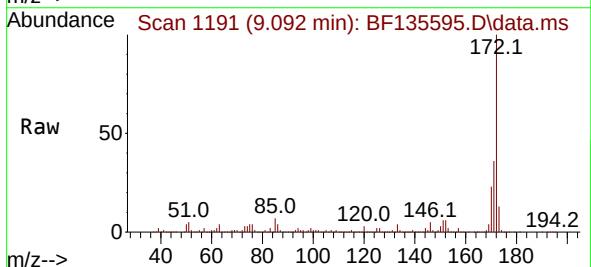
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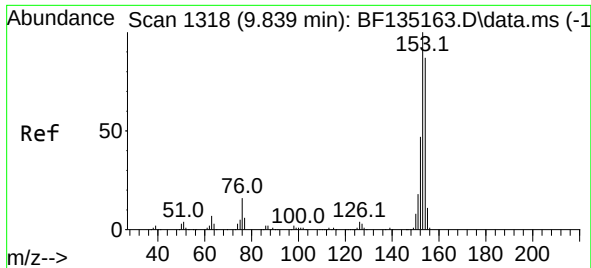
Reviewed By : Yogesh Patel 10/05/2023
Supervised By : mohammad ahmed 10/06/2023



#45
2-Fluorobiphenyl
Concen: 64.225 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

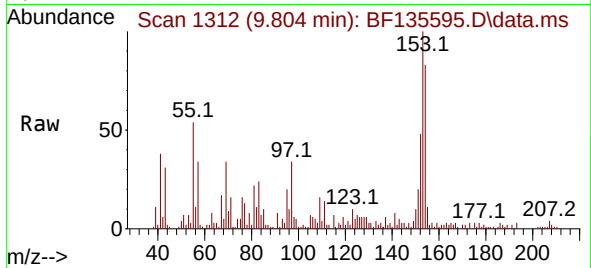
Tgt Ion: 172 Resp: 570235
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.4 19.0 28.4





#52
Acenaphthene
Concen: 2.348 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

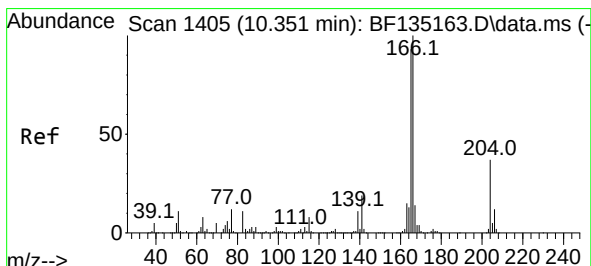
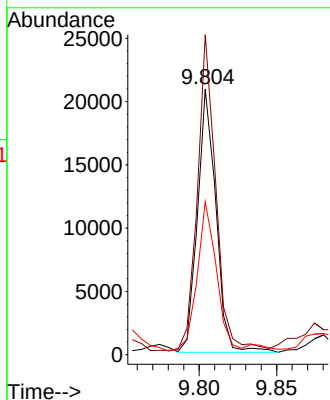
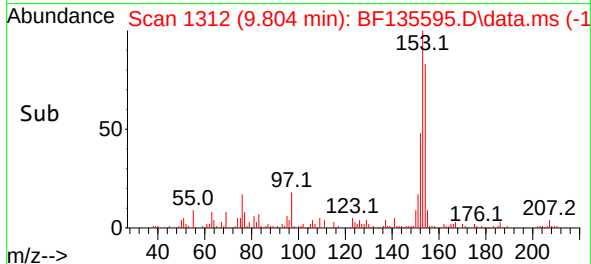
Instrument :
BNA_F
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E9066-OB-003



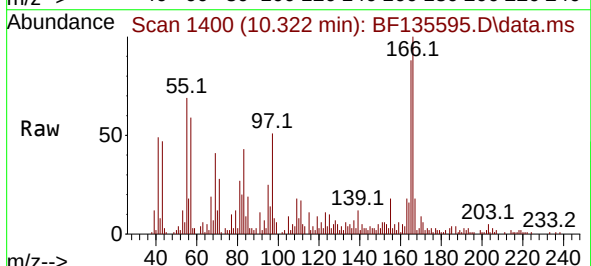
Tgt Ion:154 Resp: 17219
Ion Ratio Lower Upper
154 100
153 120.6 92.1 138.1
152 57.6 43.1 64.7

Manual Integrations
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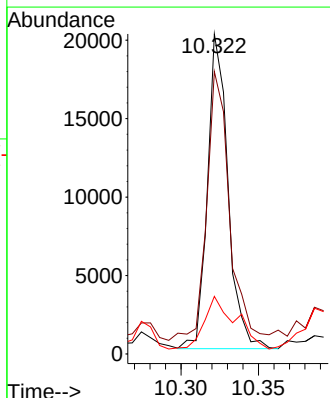
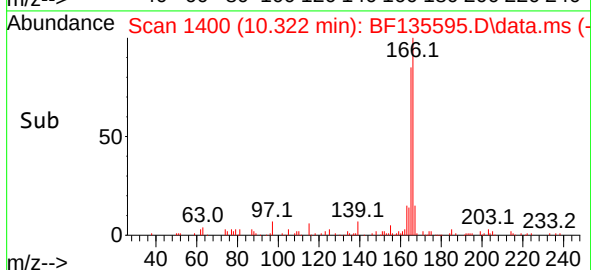
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

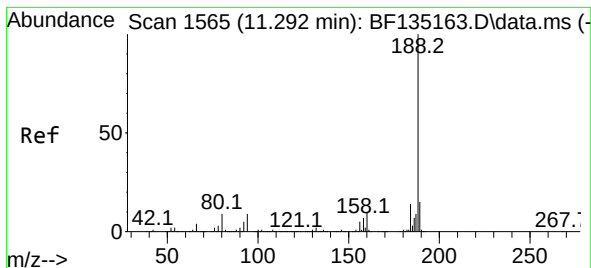


#58
Fluorene
Concen: 2.155 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38



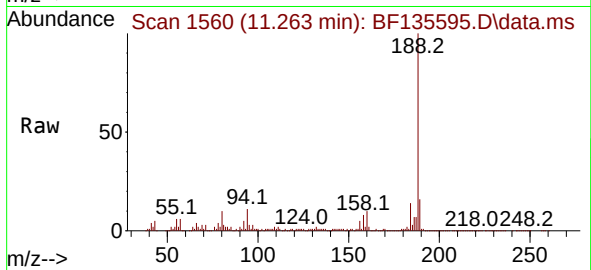
Tgt Ion:166 Resp: 18538
Ion Ratio Lower Upper
166 100
165 88.2 74.3 111.5
167 18.0 10.9 16.3#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

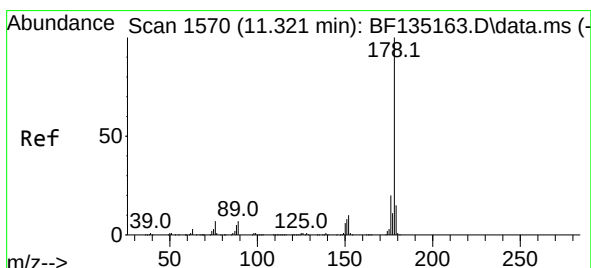
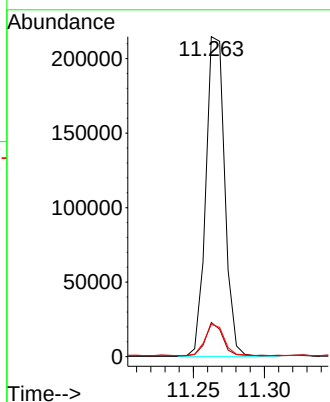
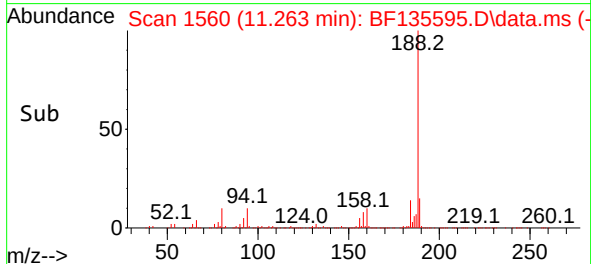
Instrument :
BNA_F
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E9066-OB-003



Tgt Ion:188 Resp: 198709
Ion Ratio Lower Upper
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94 10.7 7.0 10.6
80 10.1 7.5 11.3

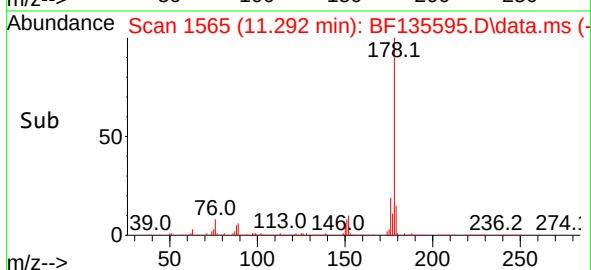
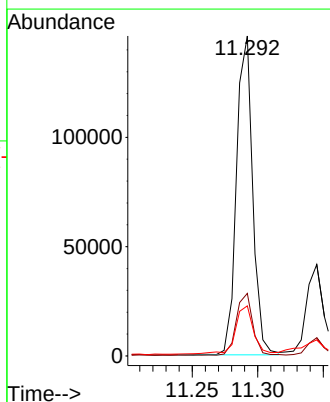
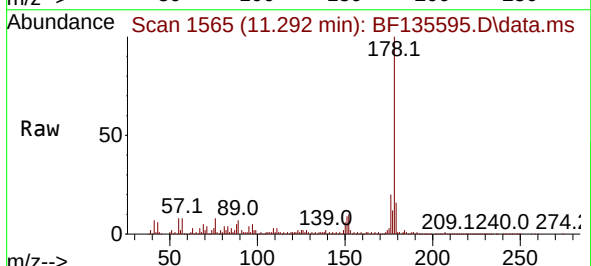
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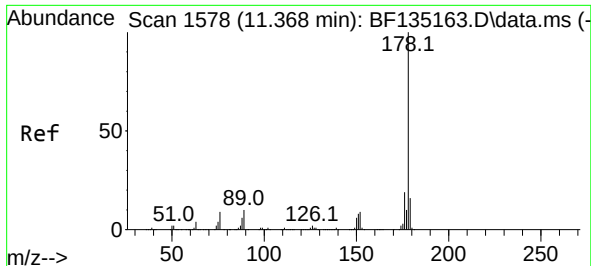
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#71
Phenanthrene
Concen: 13.328 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

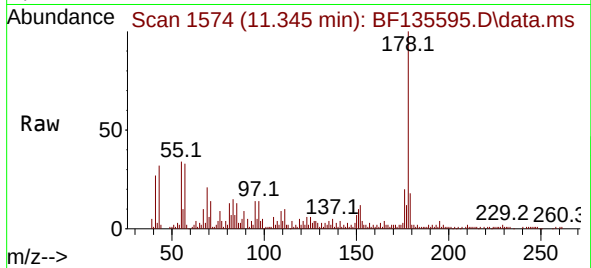
Tgt Ion:178 Resp: 125255
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.6 12.0 18.0





#72
 Anthracene
 Concen: 3.644 ng
 RT: 11.345 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF135595.D
 Acq: 05 Oct 2023 04:38

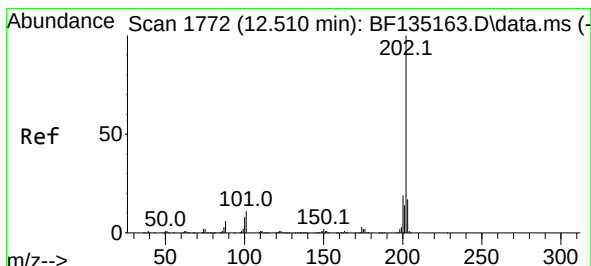
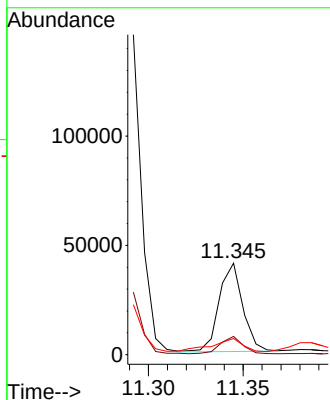
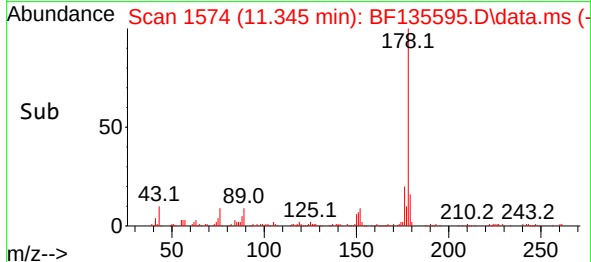
Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003



Tgt Ion:178 Resp: 35204
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.2
 179 17.6 12.6 19.0

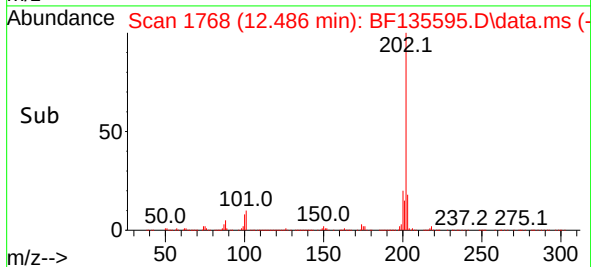
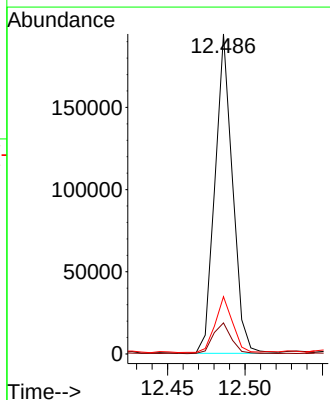
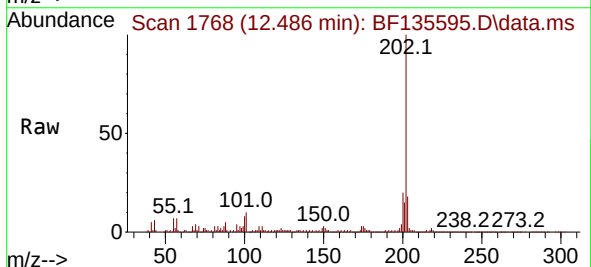
Manual Integrations
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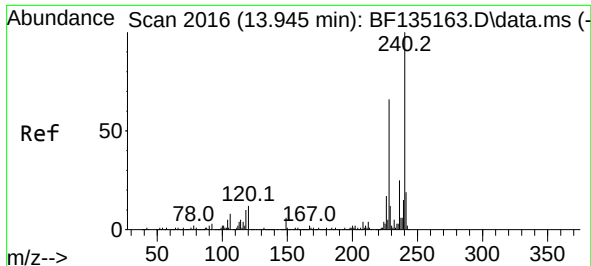
Reviewed By :Yogesh Patel 10/05/2023
 Supervised By :mohammad ahmed 10/06/2023



#75
 Fluoranthene
 Concen: 15.681 ng
 RT: 12.486 min Scan# 1768
 Delta R.T. -0.000 min
 Lab File: BF135595.D
 Acq: 05 Oct 2023 04:38

Tgt Ion:202 Resp: 153564
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.3
 203 17.9 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

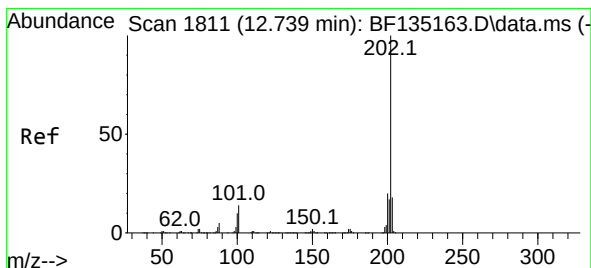
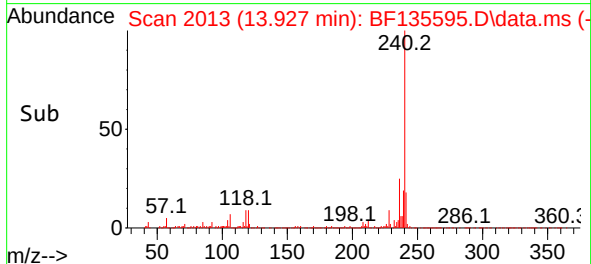
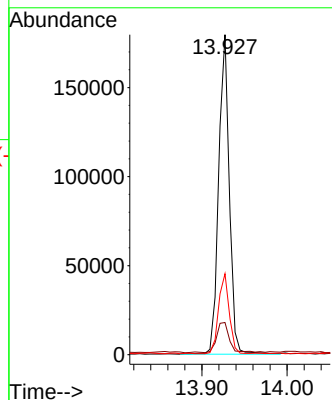
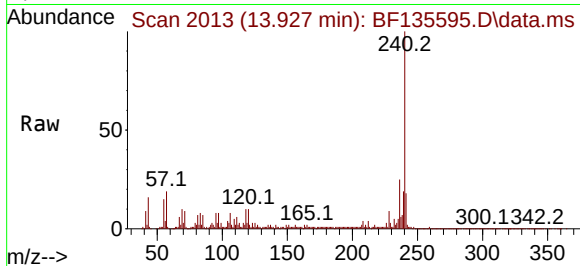
ClientSampleId :

E9066-OB-003

Tgt Ion:240 Resp: 155702
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 25.3 19.8 29.8

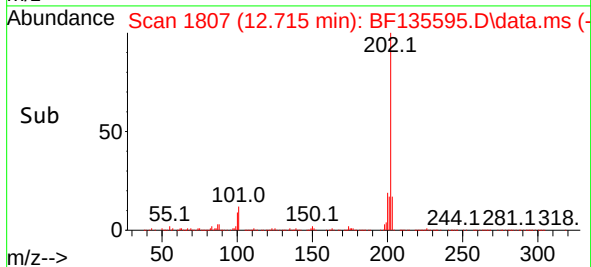
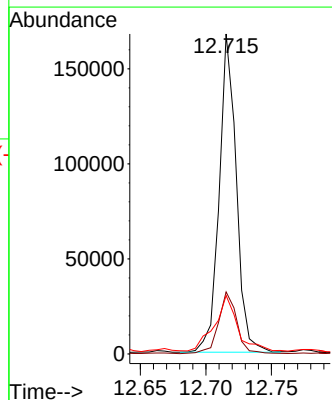
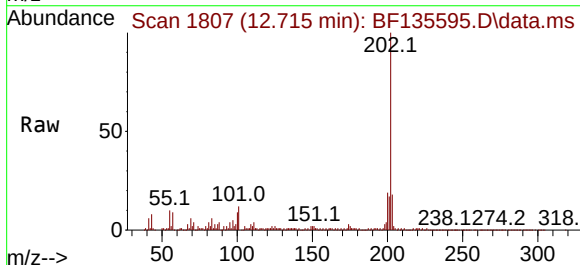
Manual Integrations
APPROVED

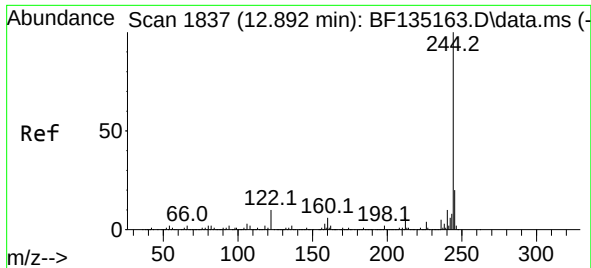
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#78
Pyrene
Concen: 10.213 ng
RT: 12.715 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

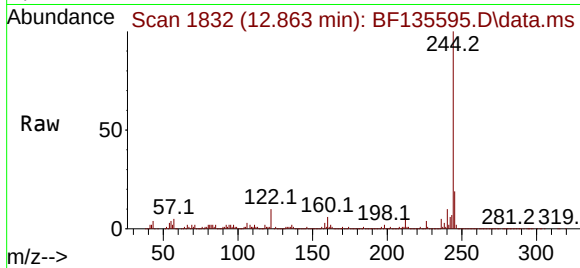
Tgt Ion:202 Resp: 151395
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.2
203 18.3 14.2 21.4





#79
 Terphenyl-d14
 Concen: 44.142 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF135595.D
 Acq: 05 Oct 2023 04:38

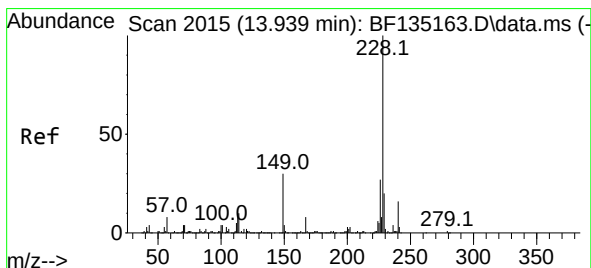
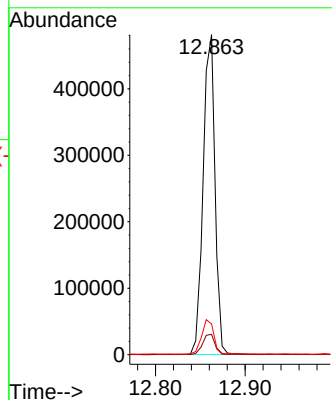
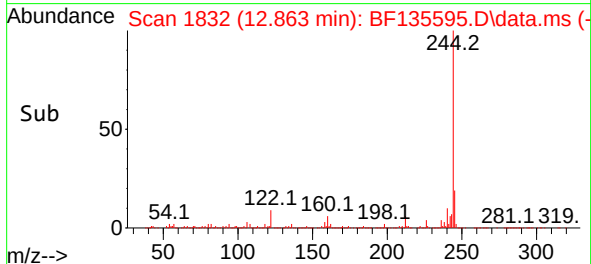
Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003



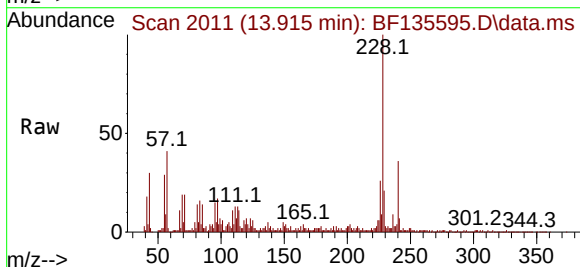
Tgt Ion:244 Resp: 443360
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 9.6 7.9 11.9

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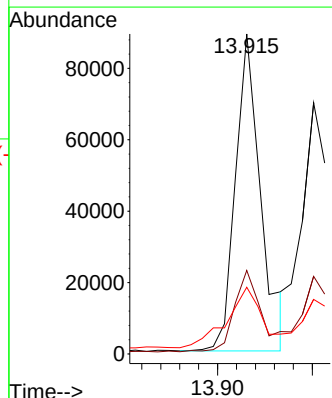
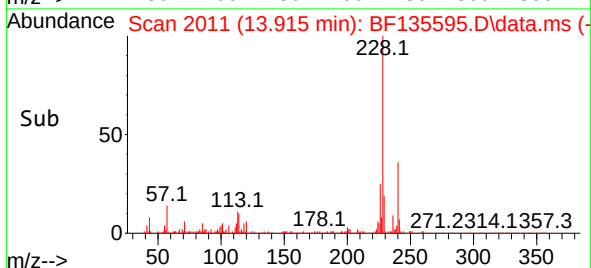
Reviewed By :Yogesh Patel 10/05/2023
 Supervised By :mohammad ahmed 10/06/2023

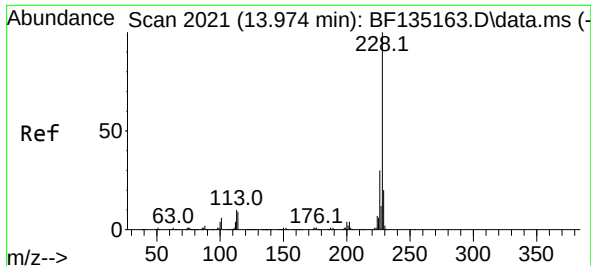


#81
 Benzo(a)anthracene
 Concen: 8.154 ng
 RT: 13.915 min Scan# 2011
 Delta R.T. -0.000 min
 Lab File: BF135595.D
 Acq: 05 Oct 2023 04:38



Tgt Ion:228 Resp: 81977
 Ion Ratio Lower Upper
 228 100
 226 26.1 21.7 32.5
 229 20.9 15.8 23.8





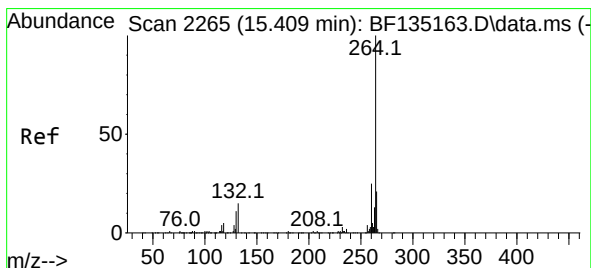
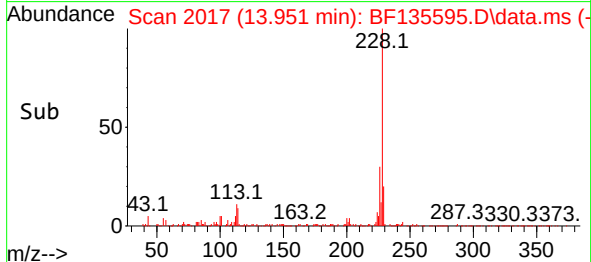
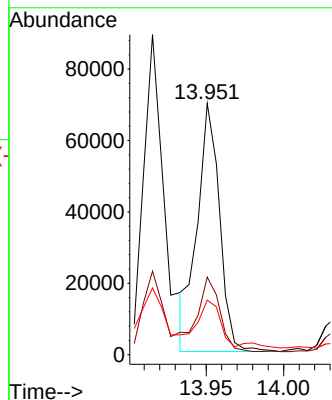
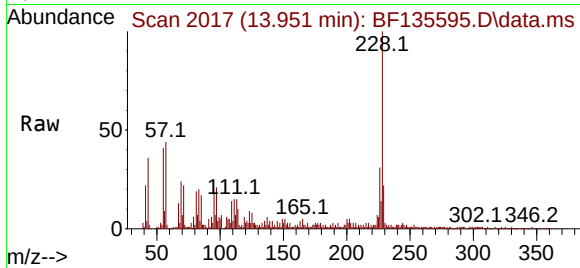
#83
Chrysene
Concen: 6.987 ng
RT: 13.951 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Instrument :
BNA_F
ClientSampleId :
E9066-OB-003

Tgt Ion:228 Resp: 69840
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 21.7 16.0 24.0

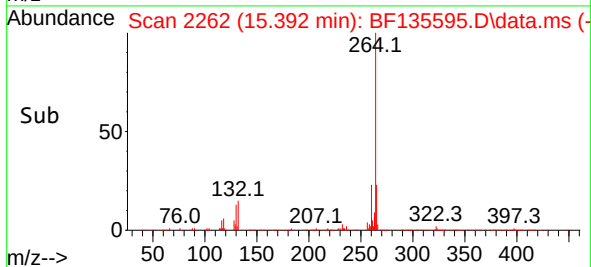
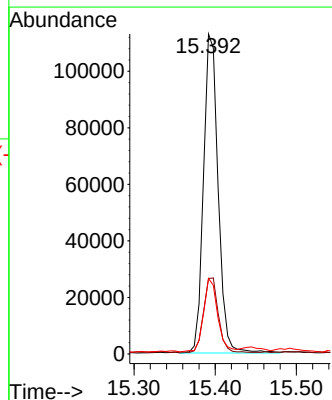
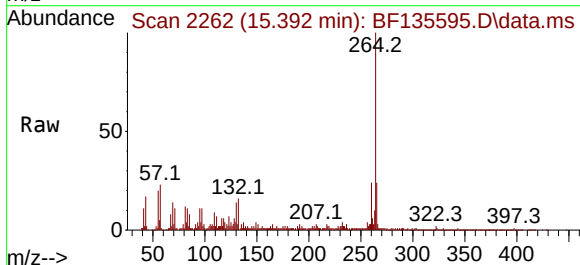
Manual Integrations
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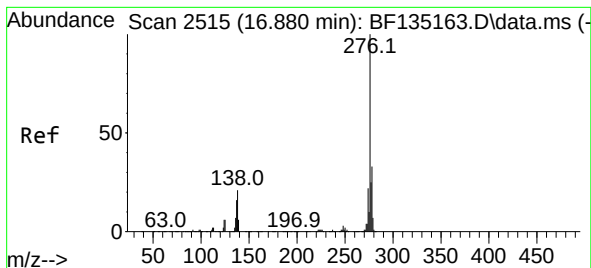
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:264 Resp: 141254
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 23.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.907 ng

RT: 16.886 min Scan# 2190

Delta R.T. 0.018 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

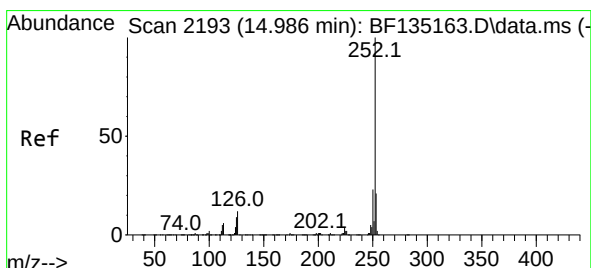
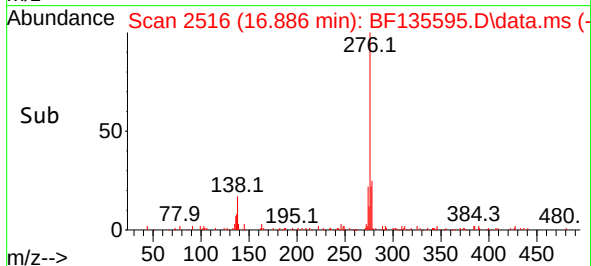
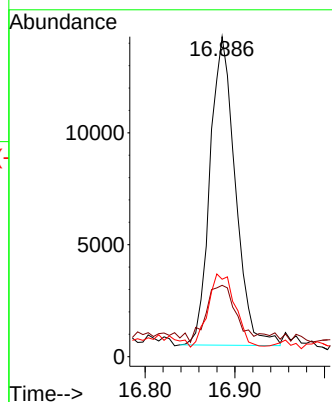
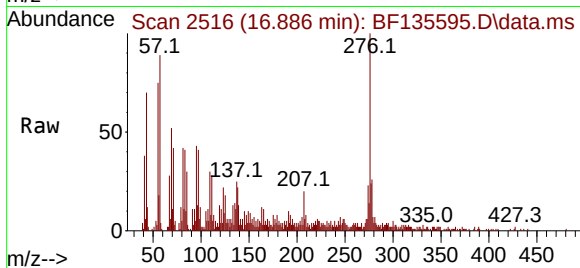
Tgt Ion:	276	Resp:	2692
Ion Ratio	Lower	Upper	
276	100		
138	22.5	19.2	28.8
277	25.3	19.7	29.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/05/2023

Supervised By :mohammad ahmed 10/06/2023



#88

Benzo(b)fluoranthene

Concen: 9.483 ng m

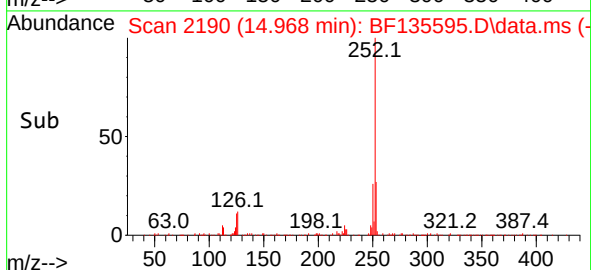
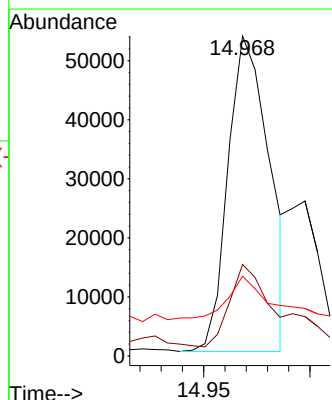
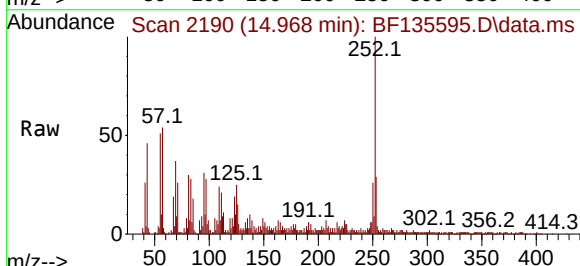
RT: 14.968 min Scan# 2190

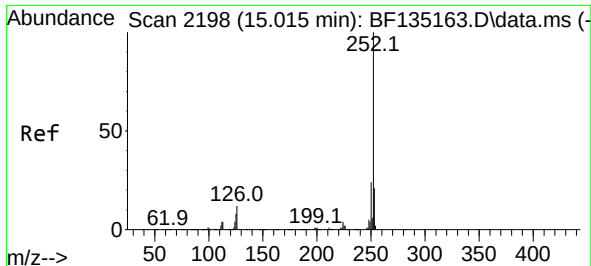
Delta R.T. 0.006 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

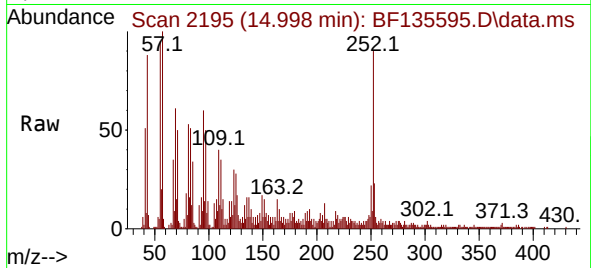
Tgt Ion:	252	Resp:	72509
Ion Ratio	Lower	Upper	
252	100		
253	28.6	17.2	25.8#
125	24.9	7.1	10.7#





#89
Benzo(k)fluoranthene
Concen: 3.555 ng m
RT: 14.998 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

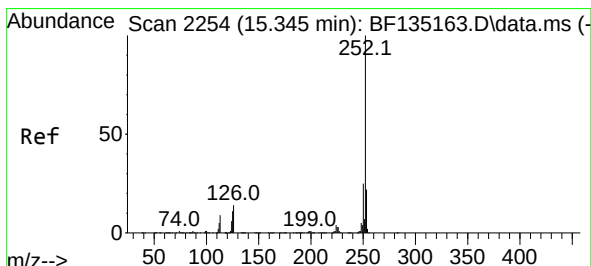
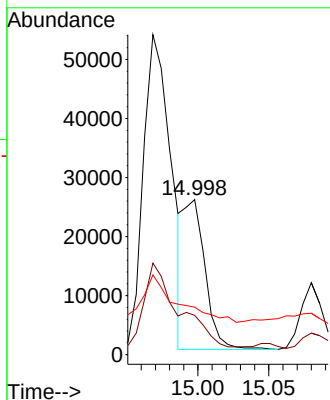
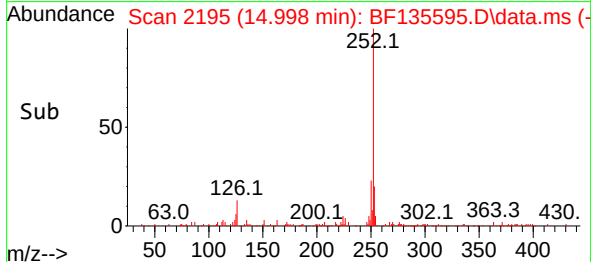
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003



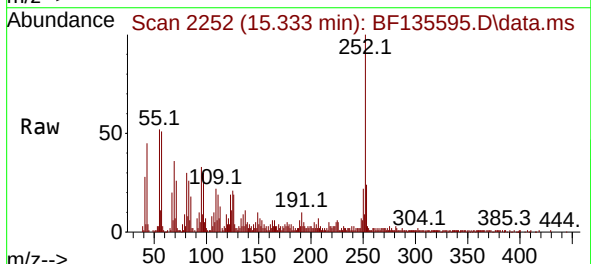
Tgt Ion:252 Resp: 2685
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.0
125 30.6 7.2 10.8

Manual Integrations
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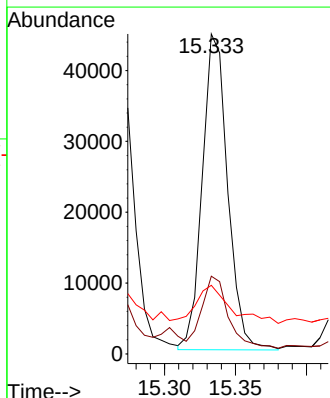
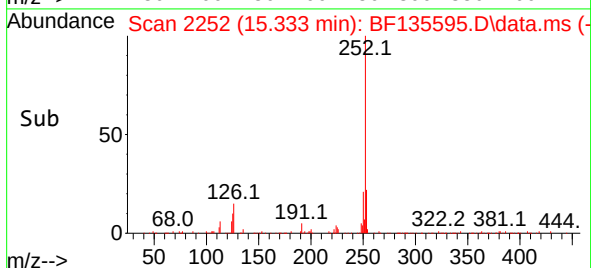
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

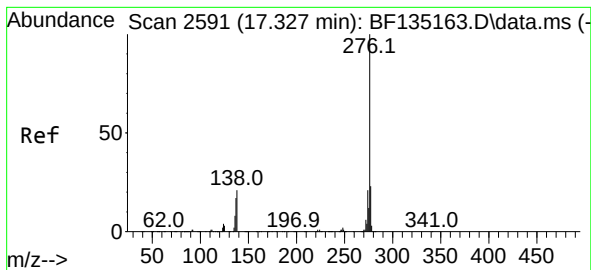


#90
Benzo(a)pyrene
Concen: 7.605 ng
RT: 15.333 min Scan# 2252
Delta R.T. 0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38



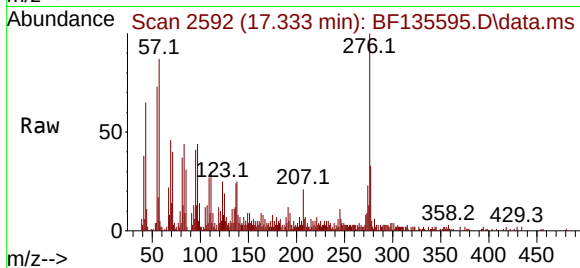
Tgt Ion:252 Resp: 55459
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 21.5 9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 3.508 ng
RT: 17.333 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Instrument :
BNA_F
ClientSampleId :
E9066-OB-003



Tgt Ion: 276 Resp: 2775
Ion Ratio Lower Upper
276 100
277 33.2 18.8 28.2
138 25.2 16.9 25.3

Manual Integrations
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Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

