

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135744.D
 Acq On : 12 Oct 2023 20:05
 Operator : CG\JU
 Sample : 04808-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023

Quant Time: Oct 13 00:58:23 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 11 02:43:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	60797	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	216029	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	91329	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	150506	20.000	ng	0.00
76) Chrysene-d12	13.933	240	105389	20.000	ng	0.00
86) Perylene-d12	15.410	264	81082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	83163	22.248	ng	0.01
7) Phenol-d6	6.398	99	104160	21.914	ng	0.00
23) Nitrobenzene-d5	7.304	82	59853	15.053	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	17531	19.316	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	115153	19.023	ng	0.00
79) Terphenyl-d14	12.863	244	101045	14.863	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.810	154	12986	2.597	ng	99
58) Fluorene	10.328	166	22162	3.779	ng	# 95
71) Phenanthrene	11.298	178	162454	22.822	ng	98
72) Anthracene	11.351	178	60419	8.258	ng	96
75) Fluoranthene	12.492	202	285508	38.493	ng	99
78) Pyrene	12.727	202	247031	24.620	ng	100
81) Benzo(a)anthracene	13.927	228	109495	16.090	ng	98
83) Chrysene	13.963	228	89377	13.210	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	32311	6.078	ng	97
88) Benzo(b)fluoranthene	14.980	252	85523m	19.485	ng	
89) Benzo(k)fluoranthene	15.004	252	27131m	6.257	ng	
90) Benzo(a)pyrene	15.345	252	60793	14.524	ng	97
92) Benzo(g,h,i)perylene	17.368	276	30237	6.656	ng	93

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

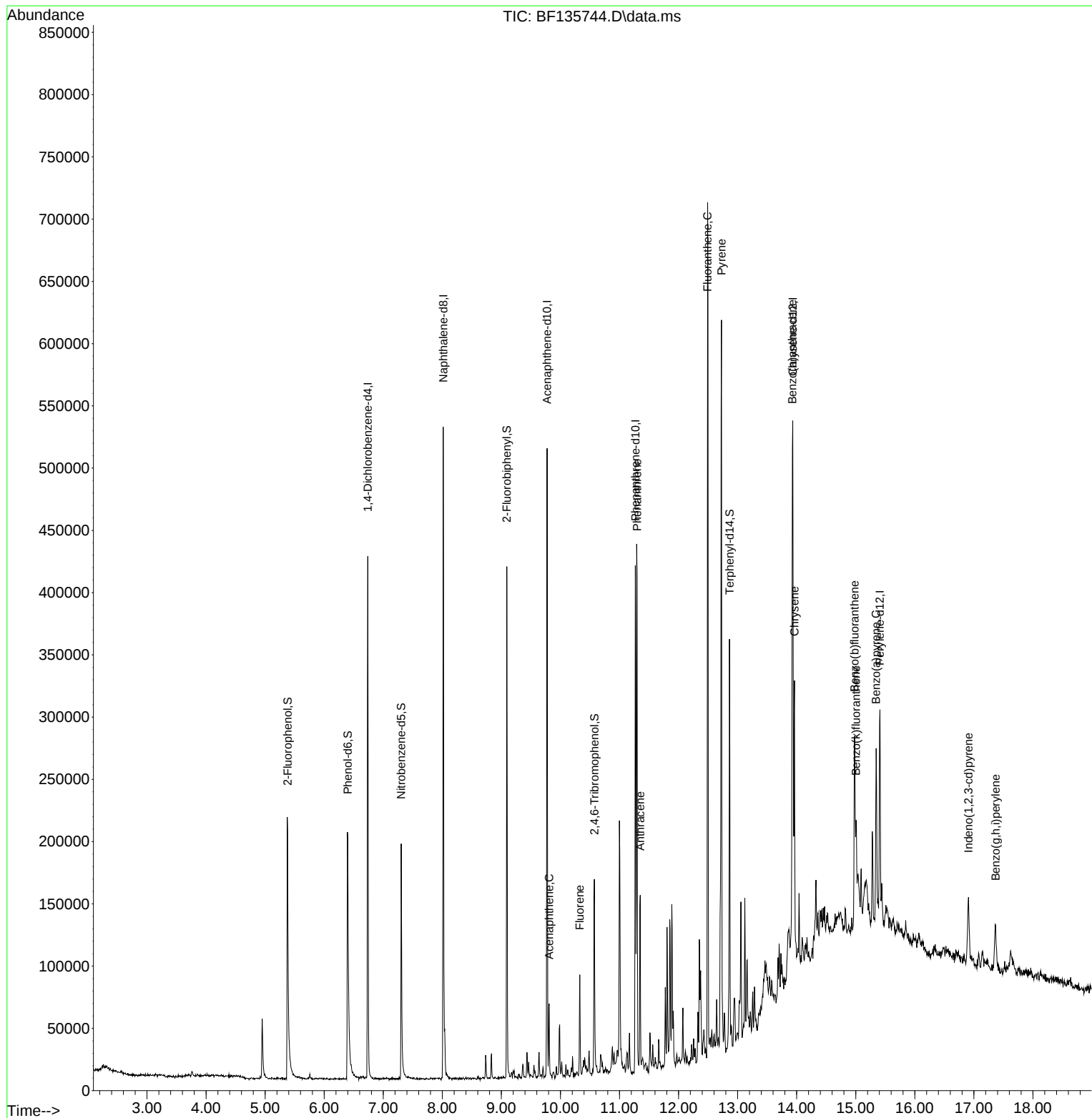
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135744.D
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Operator : CG\JU
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Response via : Initial Calibration

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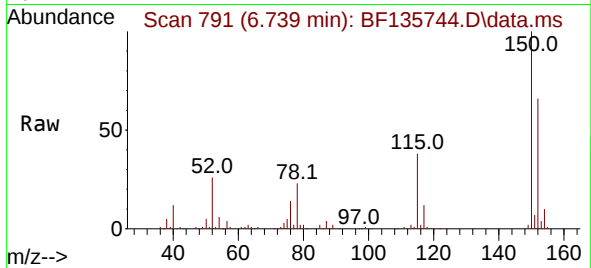
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

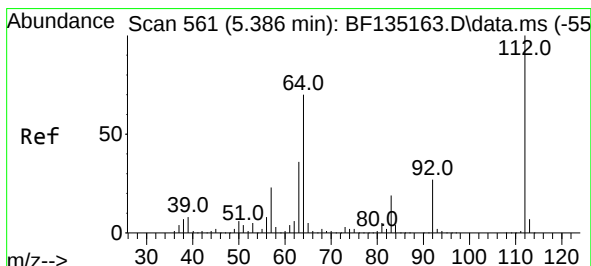
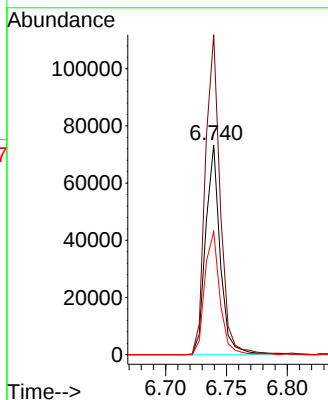
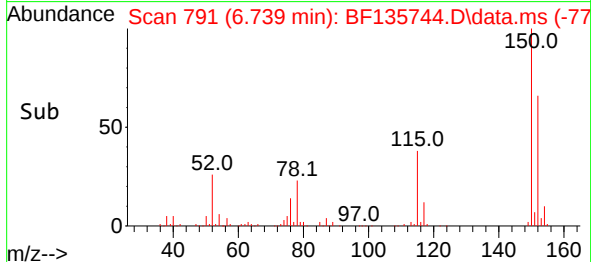
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



Tgt Ion:152 Resp: 6079
Ion Ratio Lower Upper
152 100
150 152.6 127.8 191.6
115 58.6 49.8 74.8

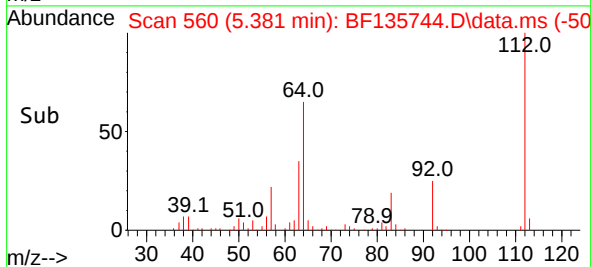
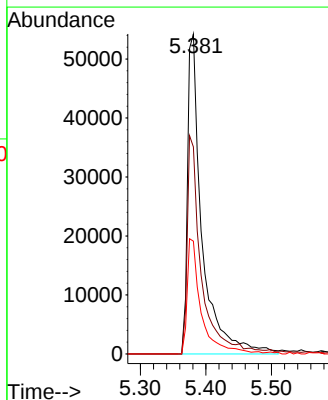
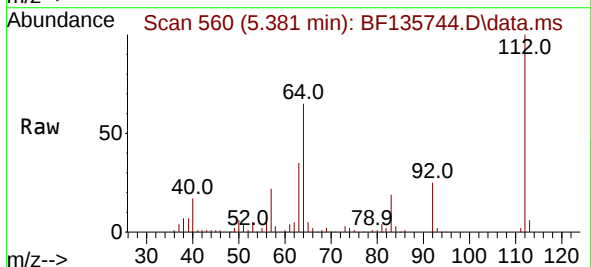
Manual Integrations
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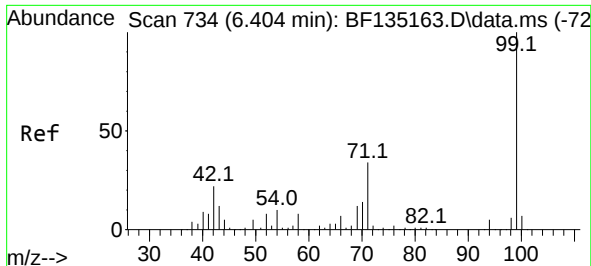
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#5
2-Fluorophenol
Concen: 22.248 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

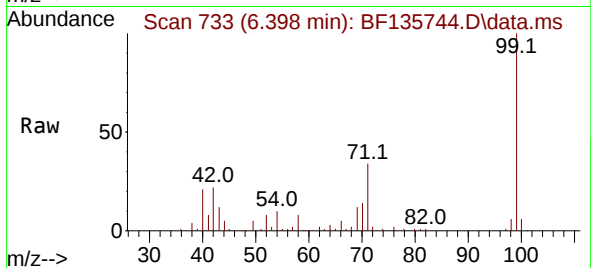
Tgt Ion:112 Resp: 83163
Ion Ratio Lower Upper
112 100
64 64.7 55.9 83.9
63 35.2 29.0 43.6





#7
Phenol-d6
Concen: 21.914 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

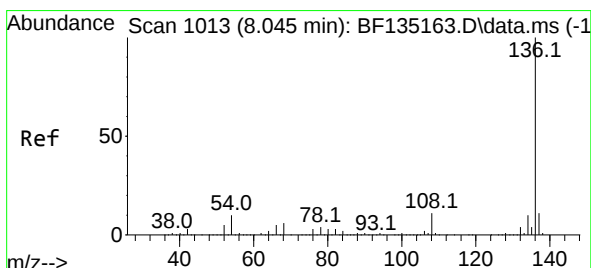
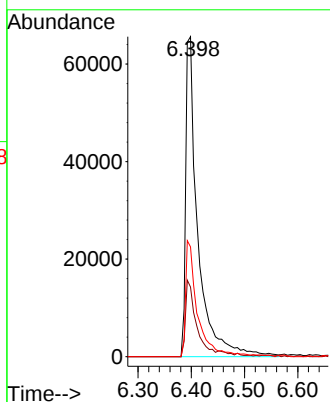
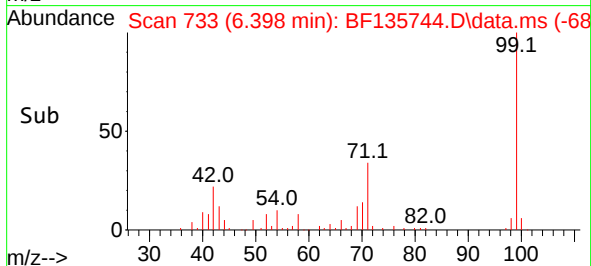
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



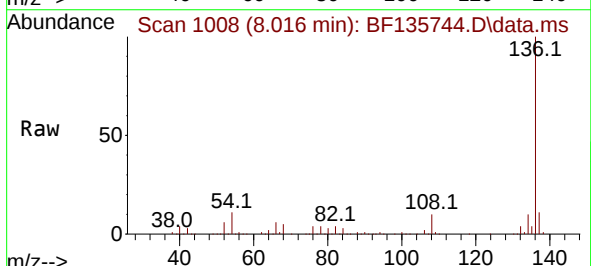
Tgt Ion: 99 Resp: 104160
Ion Ratio Lower Upper
99 100
42 21.7 17.9 26.9
71 34.3 27.0 40.6

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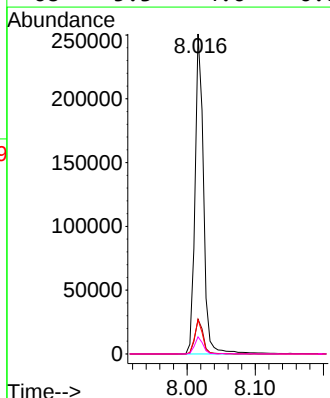
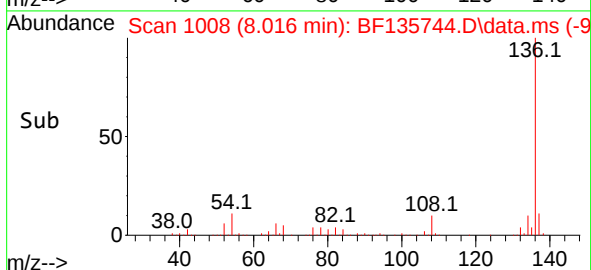
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

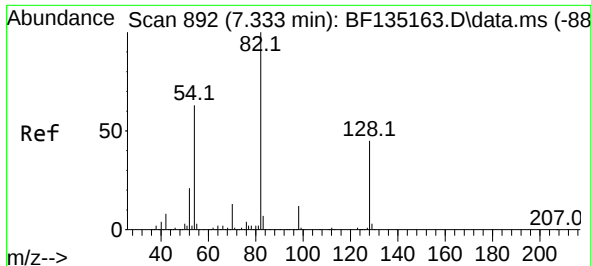


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05



Tgt Ion:136 Resp: 216029
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.7 7.7 11.5
68 5.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 15.053 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

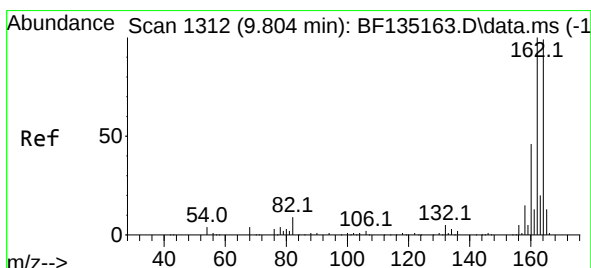
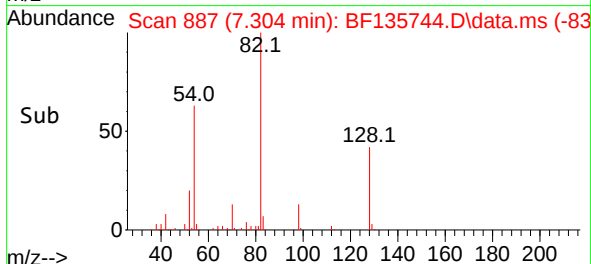
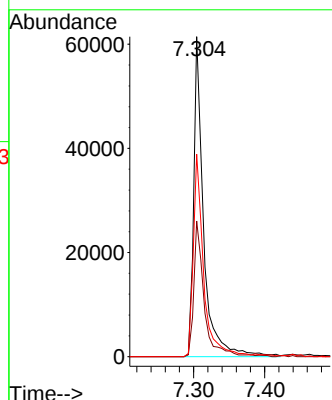
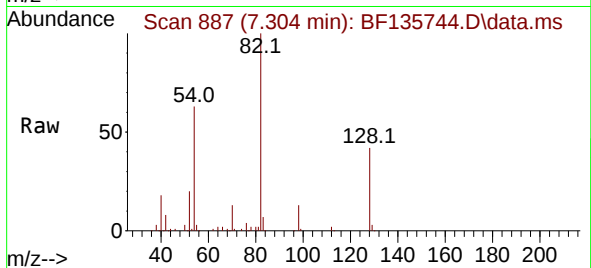
Tgt Ion: 82	Resp: 5985
Ion Ratio	Lower Upper
82	100
128	42.4 35.8 53.6
54	63.3 50.6 76.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

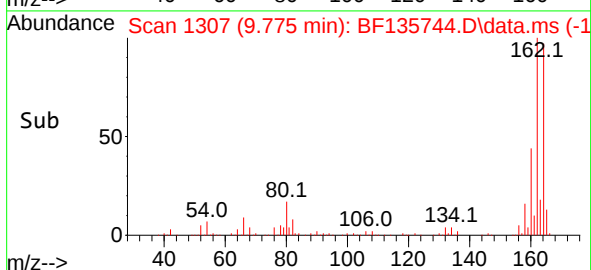
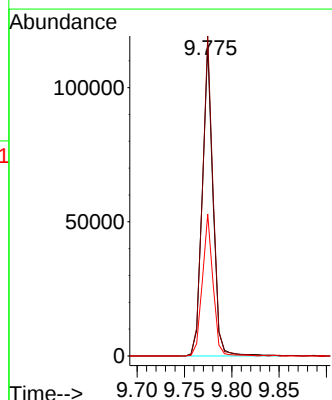
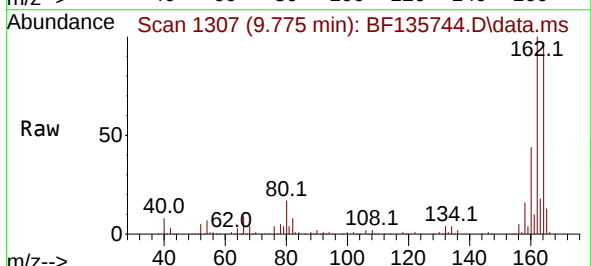
RT: 9.775 min Scan# 1307

Delta R.T. -0.006 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

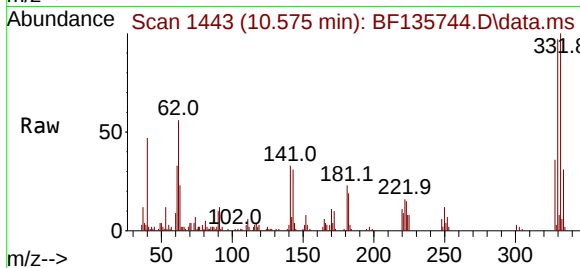
Tgt Ion:164	Resp: 91329
Ion Ratio	Lower Upper
164	100
162	103.2 81.0 121.4
160	45.7 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 19.316 ng
RT: 10.575 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

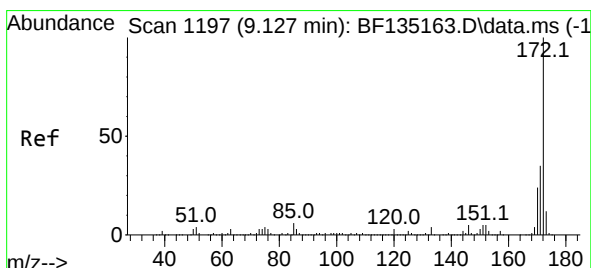
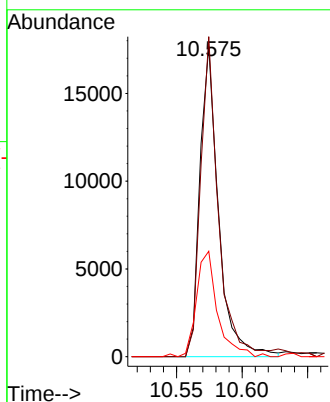
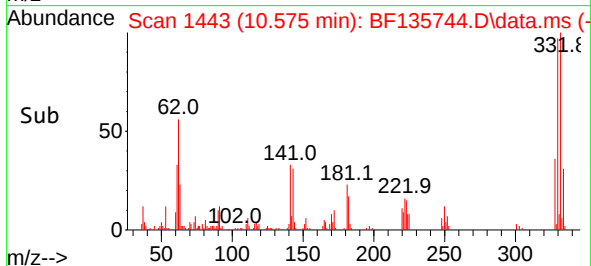
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



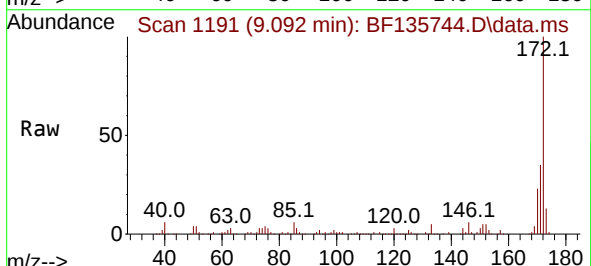
Tgt Ion: 330 Resp: 1753
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 38.5 25.8 38.8

Manual Integrations
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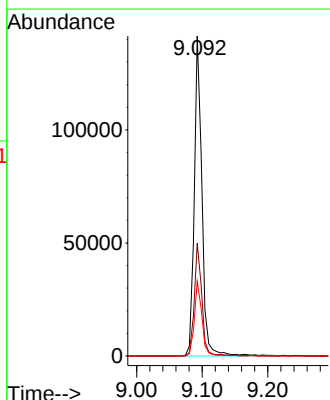
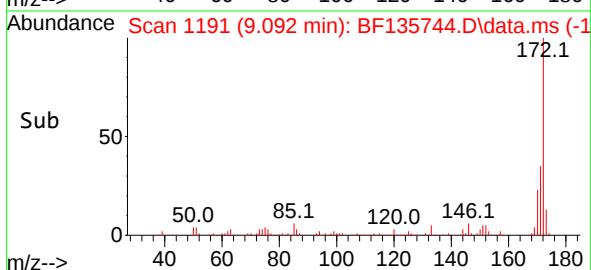
Reviewed By : Yogesh Patel 10/13/2023
Supervised By : mohammad ahmed 10/13/2023

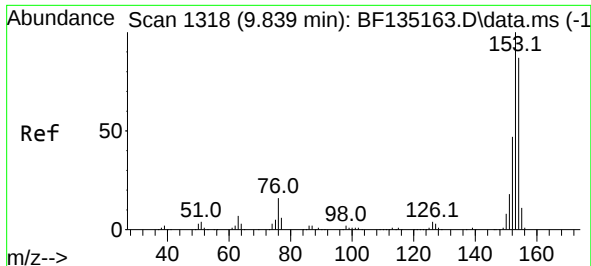


#45
2-Fluorobiphenyl
Concen: 19.023 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05



Tgt Ion: 172 Resp: 115153
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.3 19.0 28.4





#52
Acenaphthene
Concen: 2.597 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

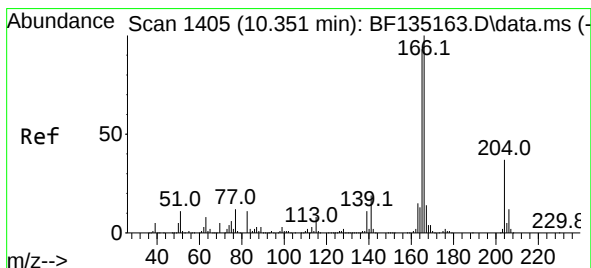
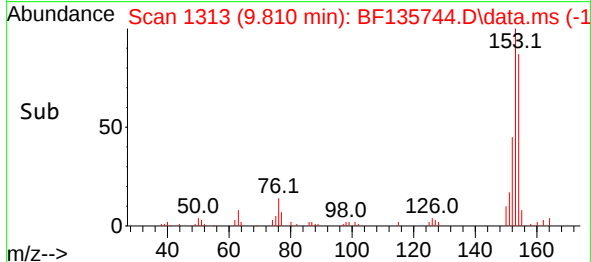
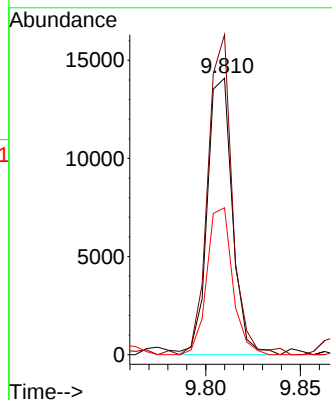
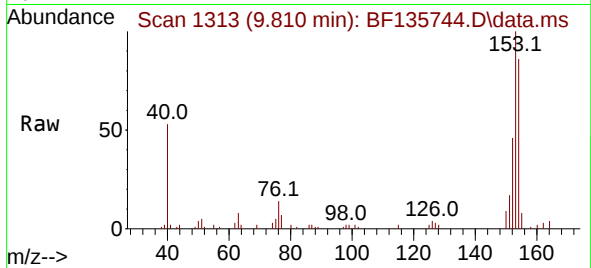
SU-03-100623DL

Tgt Ion:154 Resp: 1298
Ion Ratio Lower Upper
154 100
153 115.8 92.1 138.1
152 53.1 43.1 64.7

Manual Integrations

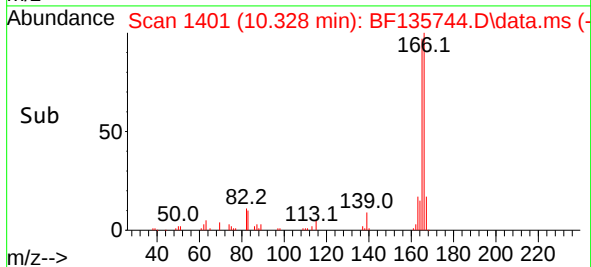
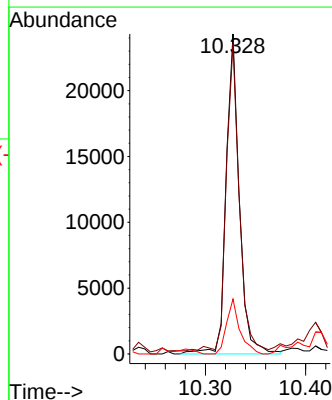
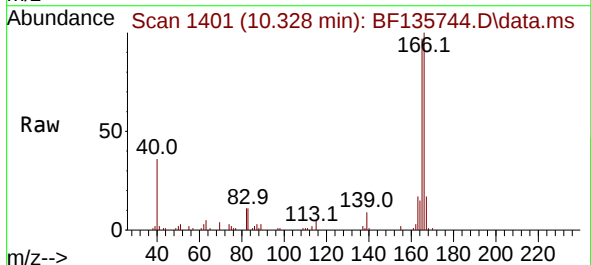
APPROVED

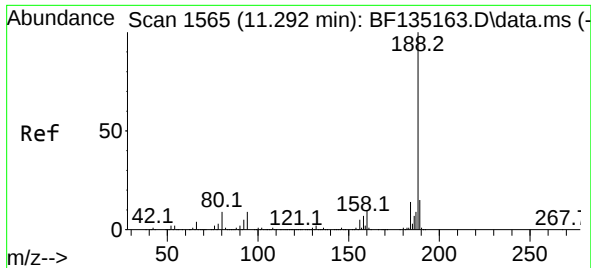
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#58
Fluorene
Concen: 3.779 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:166 Resp: 22162
Ion Ratio Lower Upper
166 100
165 96.8 74.3 111.5
167 17.2 10.9 16.3#





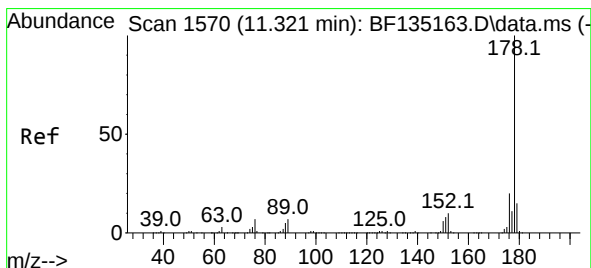
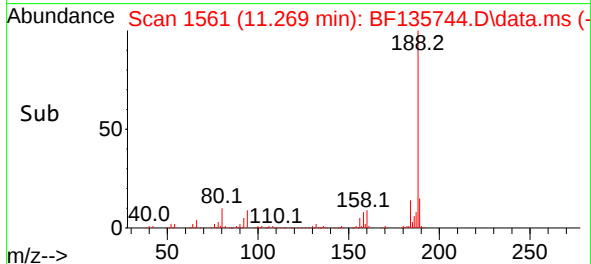
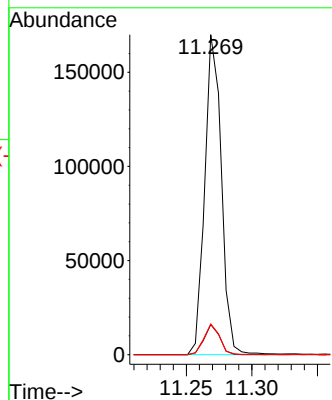
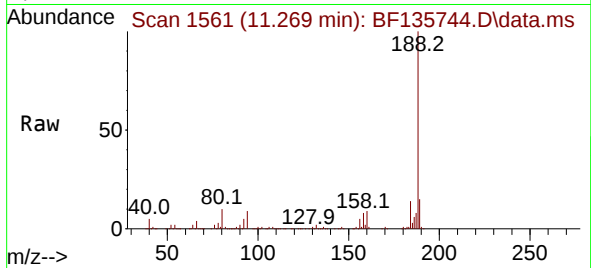
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

Tgt Ion:188 Resp: 150500
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 9.6 7.5 11.3

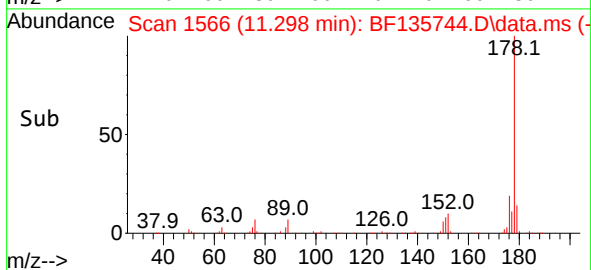
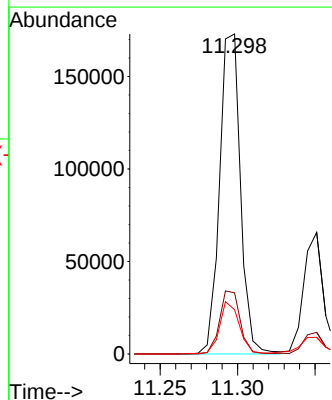
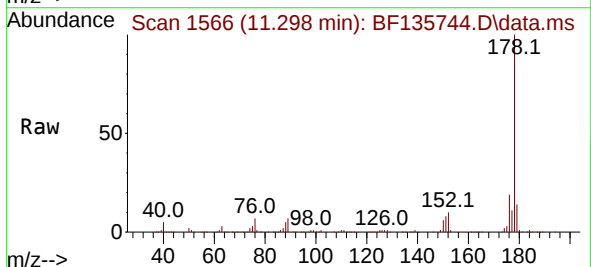
Manual Integrations
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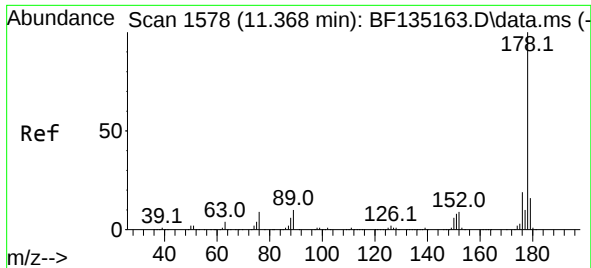
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#71
Phenanthrene
Concen: 22.822 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

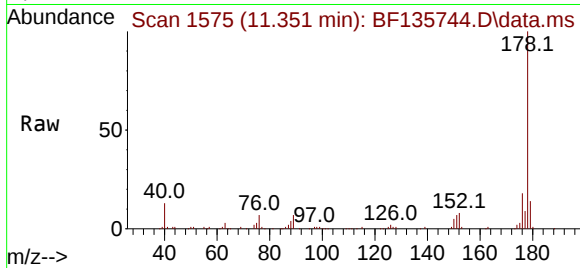
Tgt Ion:178 Resp: 162454
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 13.8 12.0 18.0





#72
 Anthracene
 Concen: 8.258 ng
 RT: 11.351 min Scan# 1769
 Delta R.T. 0.000 min
 Lab File: BF135744.D
 Acq: 12 Oct 2023 20:05

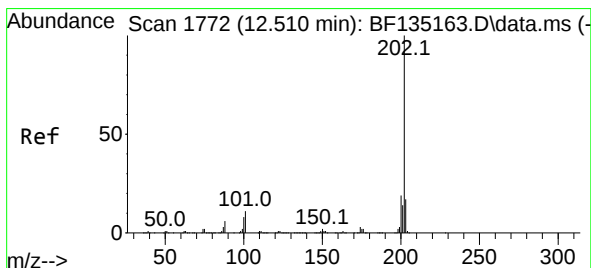
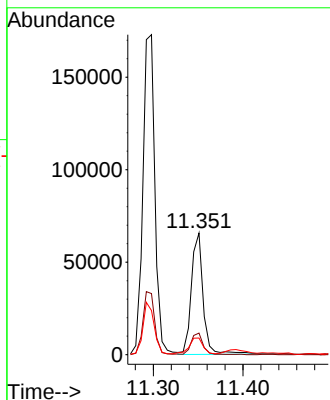
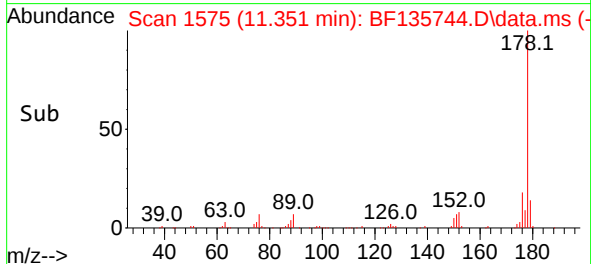
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623DL



Tgt Ion:178 Resp: 60419
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 13.7 12.6 19.0

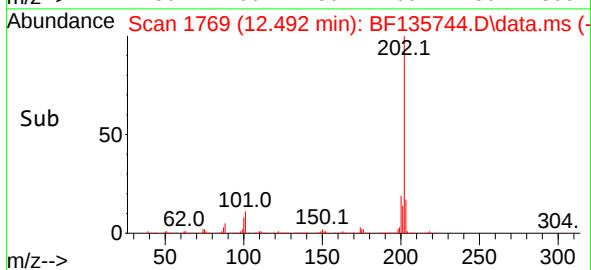
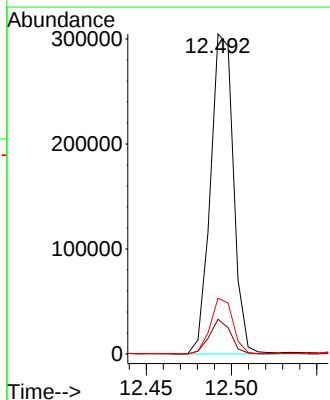
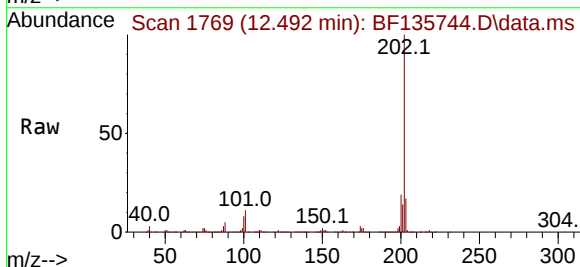
Manual Integrations
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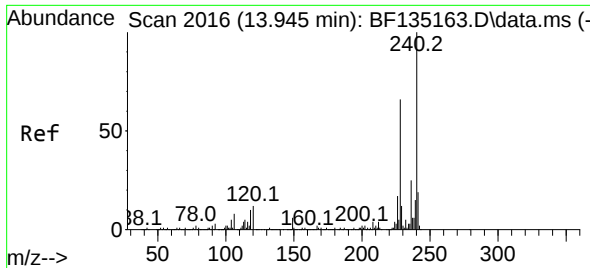
Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023



#75
 Fluoranthene
 Concen: 38.493 ng
 RT: 12.492 min Scan# 1769
 Delta R.T. -0.006 min
 Lab File: BF135744.D
 Acq: 12 Oct 2023 20:05

Tgt Ion:202 Resp: 285508
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.3
 203 17.5 0.0 37.4





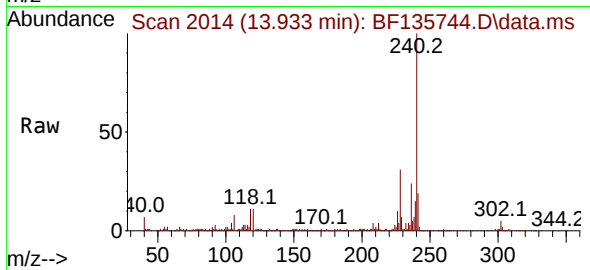
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

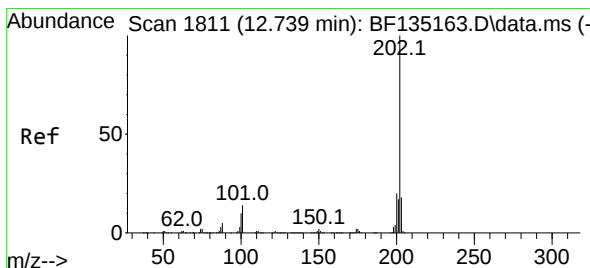
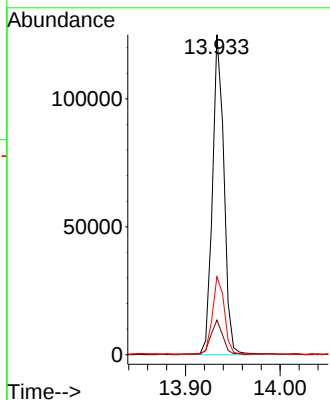
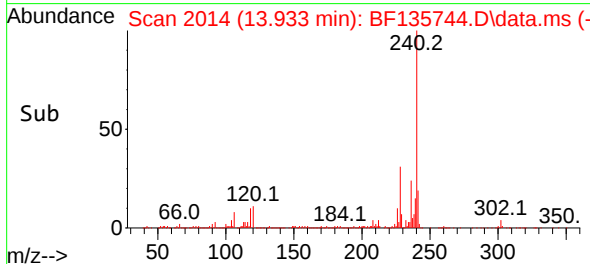


Tgt Ion:240 Resp: 105389
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 24.3 19.8 29.8

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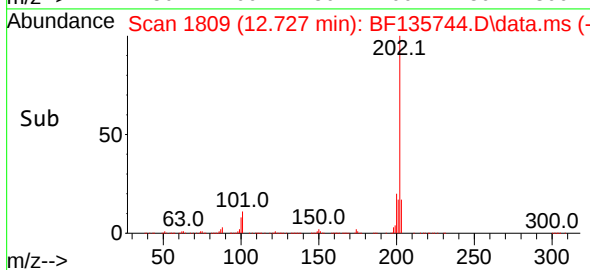
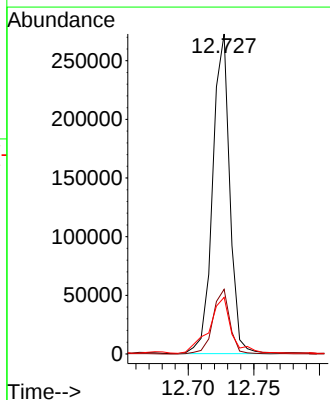
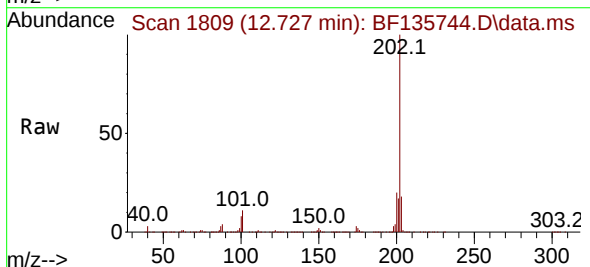
APPROVED

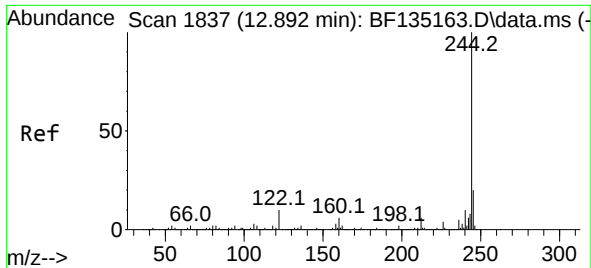
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#78
Pyrene
Concen: 24.620 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

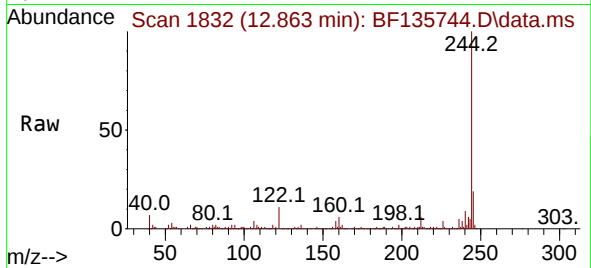
Tgt Ion:202 Resp: 247031
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.7 14.2 21.4





#79
 Terphenyl-d14
 Concen: 14.863 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135744.D
 Acq: 12 Oct 2023 20:05

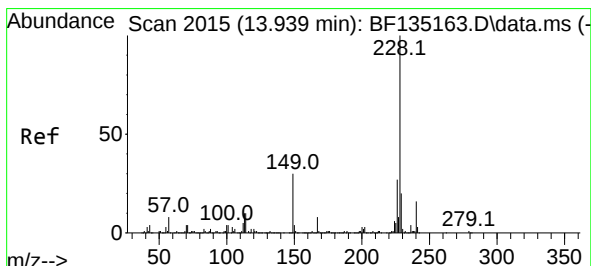
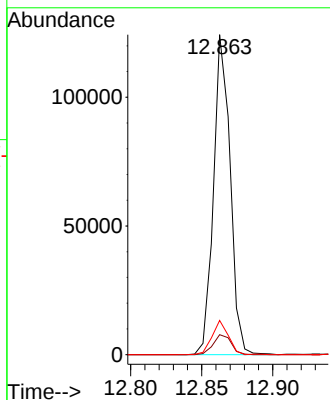
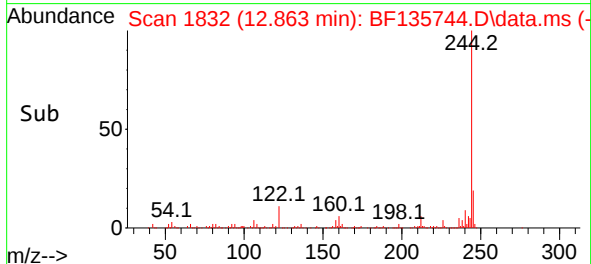
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623DL



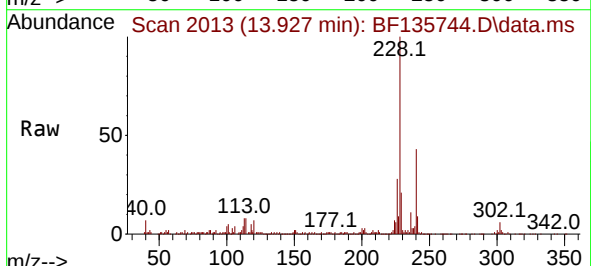
Tgt Ion:244 Resp: 101045
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 10.7 7.9 11.9

Manual Integrations
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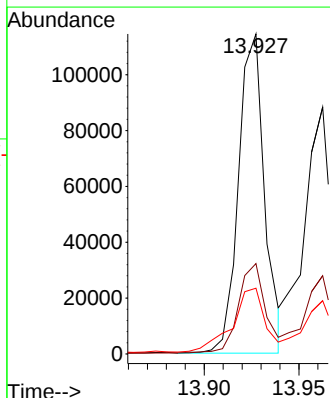
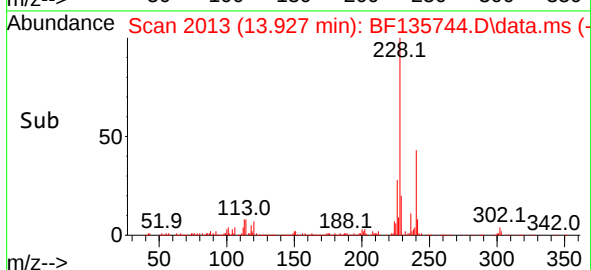
Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023

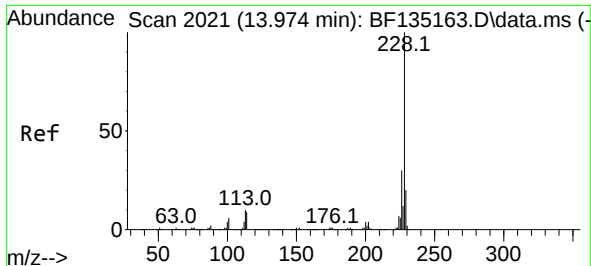


#81
 Benzo(a)anthracene
 Concen: 16.090 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: BF135744.D
 Acq: 12 Oct 2023 20:05



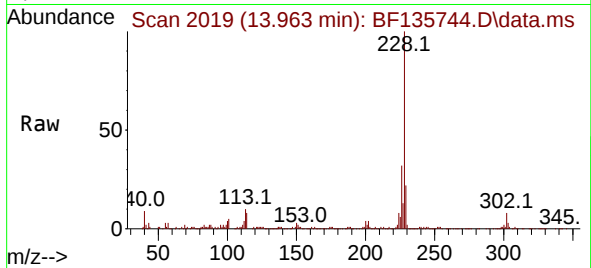
Tgt Ion:228 Resp: 109495
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 20.6 15.8 23.8





#83
Chrysene
Concen: 13.210 ng
RT: 13.963 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

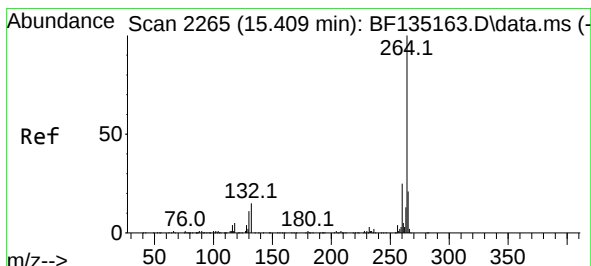
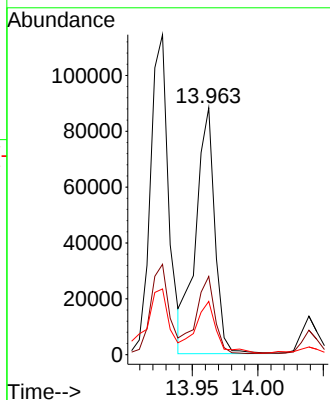
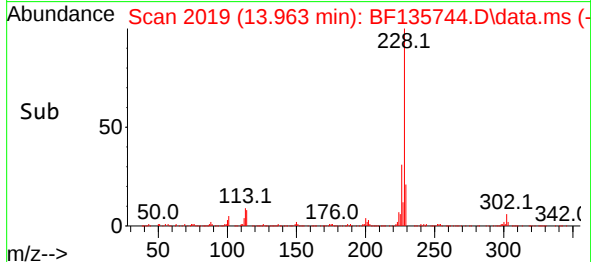
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



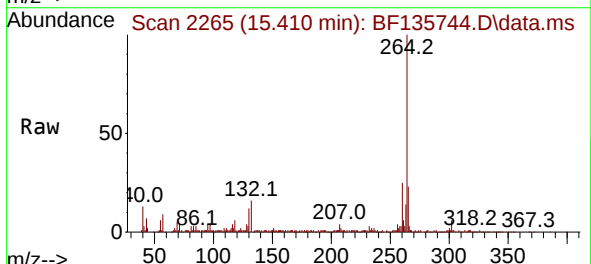
Tgt Ion:228 Resp: 8937
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 21.6 16.0 24.0

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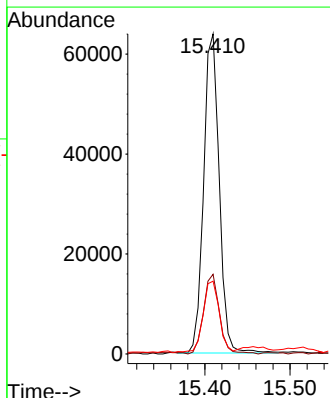
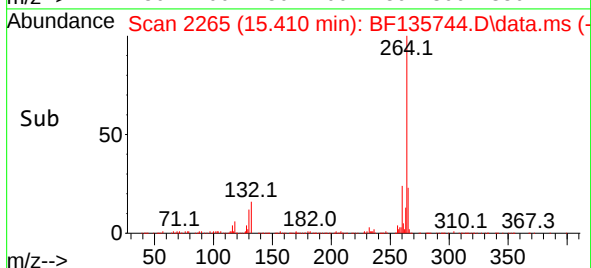
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

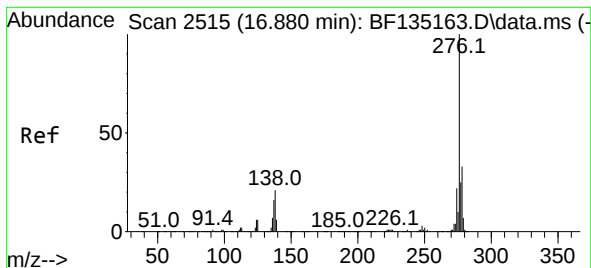


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05



Tgt Ion:264 Resp: 81082
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.6
265 22.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.078 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

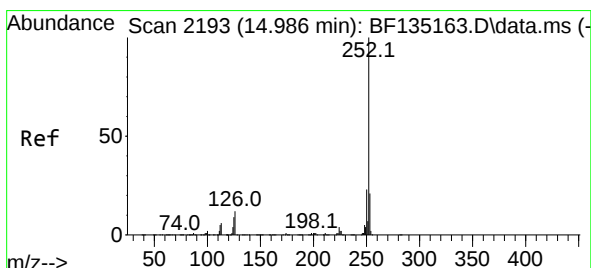
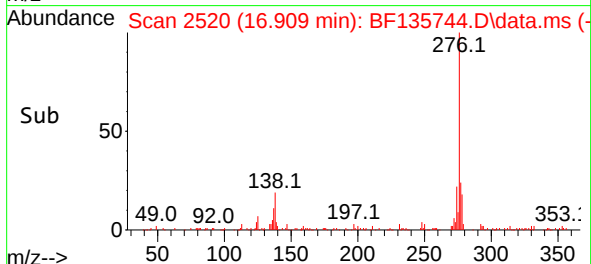
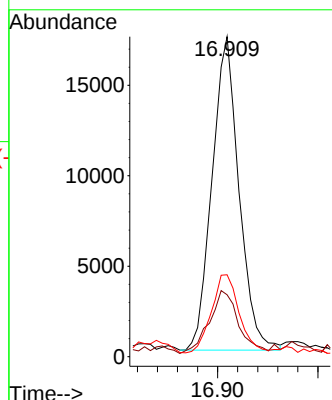
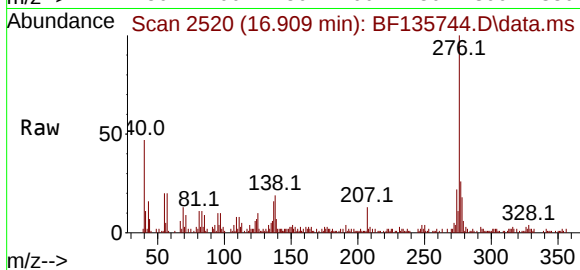
SU-03-100623DL

Tgt Ion:276 Resp: 3231
 Ion Ratio Lower Upper
 276 100
 138 21.8 19.2 28.8
 277 25.6 19.7 29.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023



#88

Benzo(b)fluoranthene

Concen: 19.485 ng m

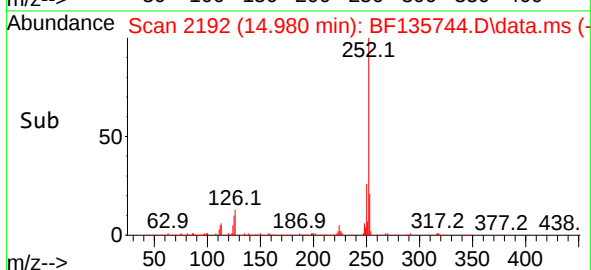
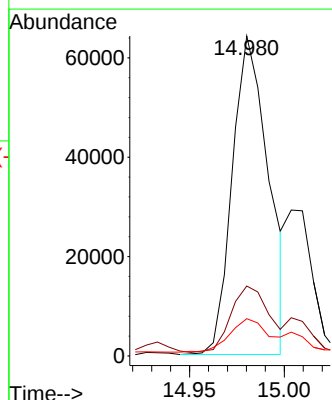
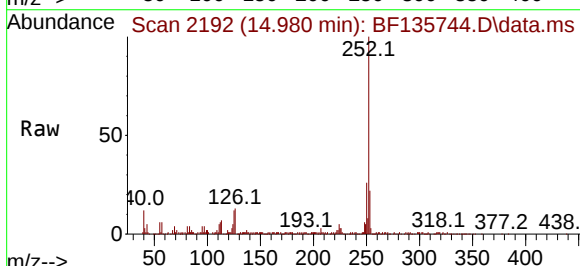
RT: 14.980 min Scan# 2192

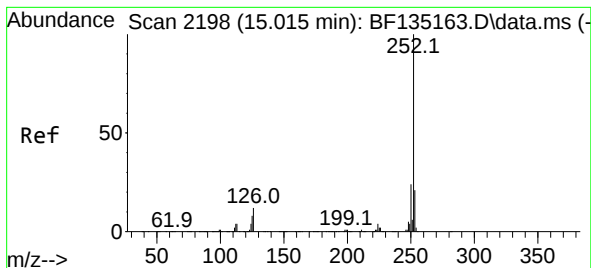
Delta R.T. 0.000 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Tgt Ion:252 Resp: 85523
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.2 25.8
 125 11.7 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 6.257 ng m

RT: 15.004 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

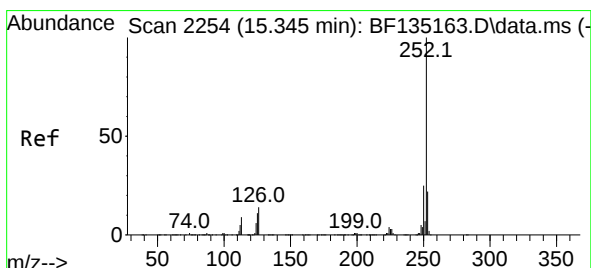
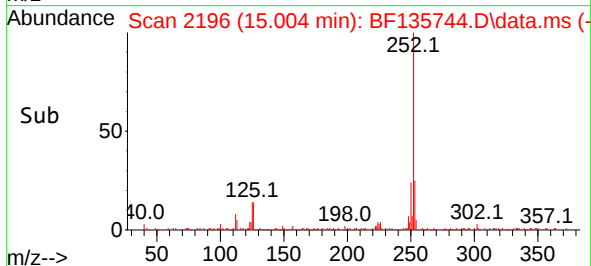
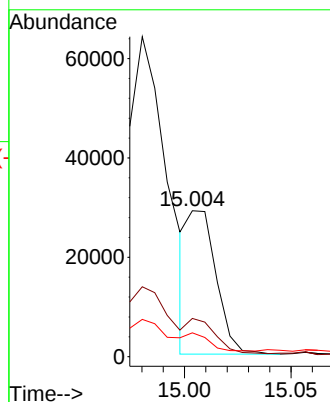
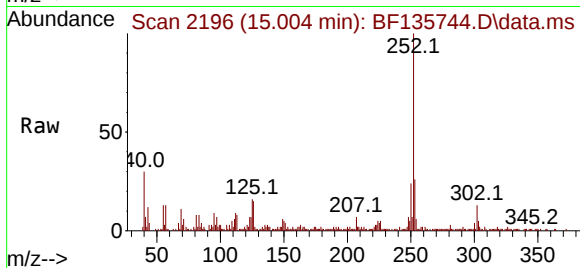
Tgt Ion:252	Resp:	2713
Ion Ratio	Lower	Upper
252	100	
253	26.3	17.4 26.0
125	16.4	7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/13/2023

Supervised By :mohammad ahmed 10/13/2023



#90

Benzo(a)pyrene

Concen: 14.524 ng

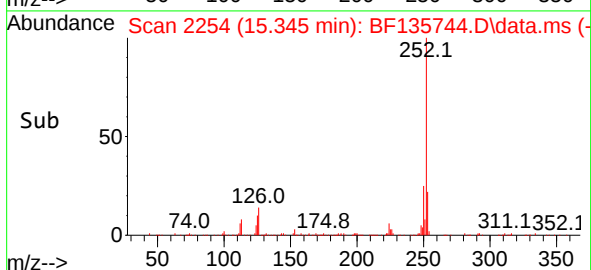
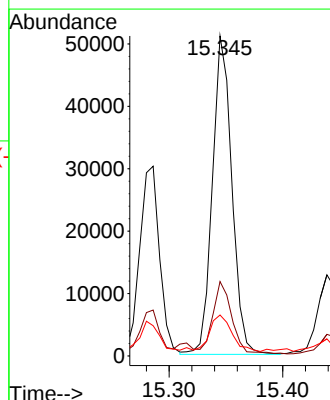
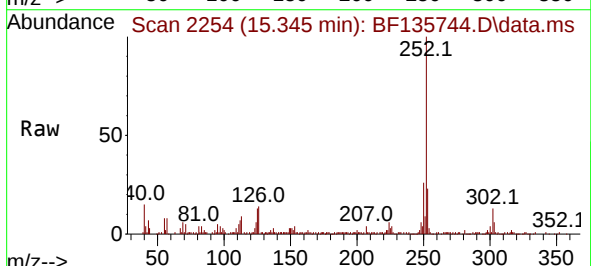
RT: 15.345 min Scan# 2254

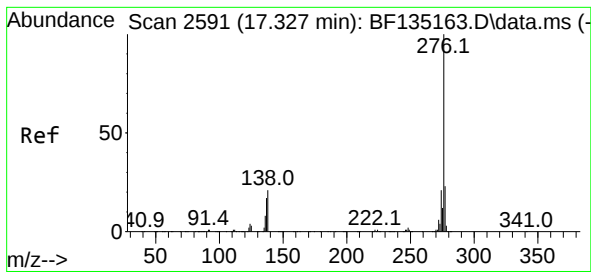
Delta R.T. 0.000 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

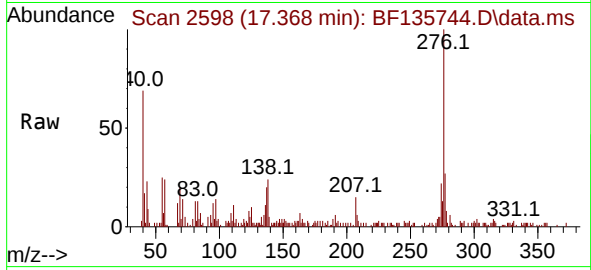
Tgt Ion:252	Resp:	60793
Ion Ratio	Lower	Upper
252	100	
253	23.2	17.5 26.3
125	12.8	9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 6.656 ng
RT: 17.368 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL



Tgt Ion: 276 Resp: 3023
Ion Ratio Lower Upper
276 100
277 27.3 18.8 28.2
138 24.2 16.9 25.3

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 10/13/2023
Supervised By : mohammad ahmed 10/13/2023

