

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135673.D
 Acq On : 10 Oct 2023 02:48
 Operator : CG\JU
 Sample : 04609-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Oct 10 04:24:18 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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	112100	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	419596	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	197828	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	317833	20.000	ng	0.00
76) Chrysene-d12	13.933	240	208544	20.000	ng	0.00
86) Perylene-d12	15.398	264	194319	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	595175	86.353	ng	0.00
7) Phenol-d6	6.387	99	781968	89.225	ng	0.00
23) Nitrobenzene-d5	7.304	82	479659	62.106	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	161181	81.987	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	850539	64.866	ng	0.00
79) Terphenyl-d14	12.863	244	662819	49.270	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	39551	2.631	ng	98
75) Fluoranthene	12.492	202	92106	5.880	ng	98
78) Pyrene	12.722	202	88775	4.471	ng	97
81) Benzo(a)anthracene	13.922	228	44150	3.279	ng	97
83) Chrysene	13.957	228	43264	3.231	ng	98
88) Benzo(b)fluoranthene	14.974	252	50653m	4.815	ng	
90) Benzo(a)pyrene	15.345	252	34232	3.412	ng	99

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

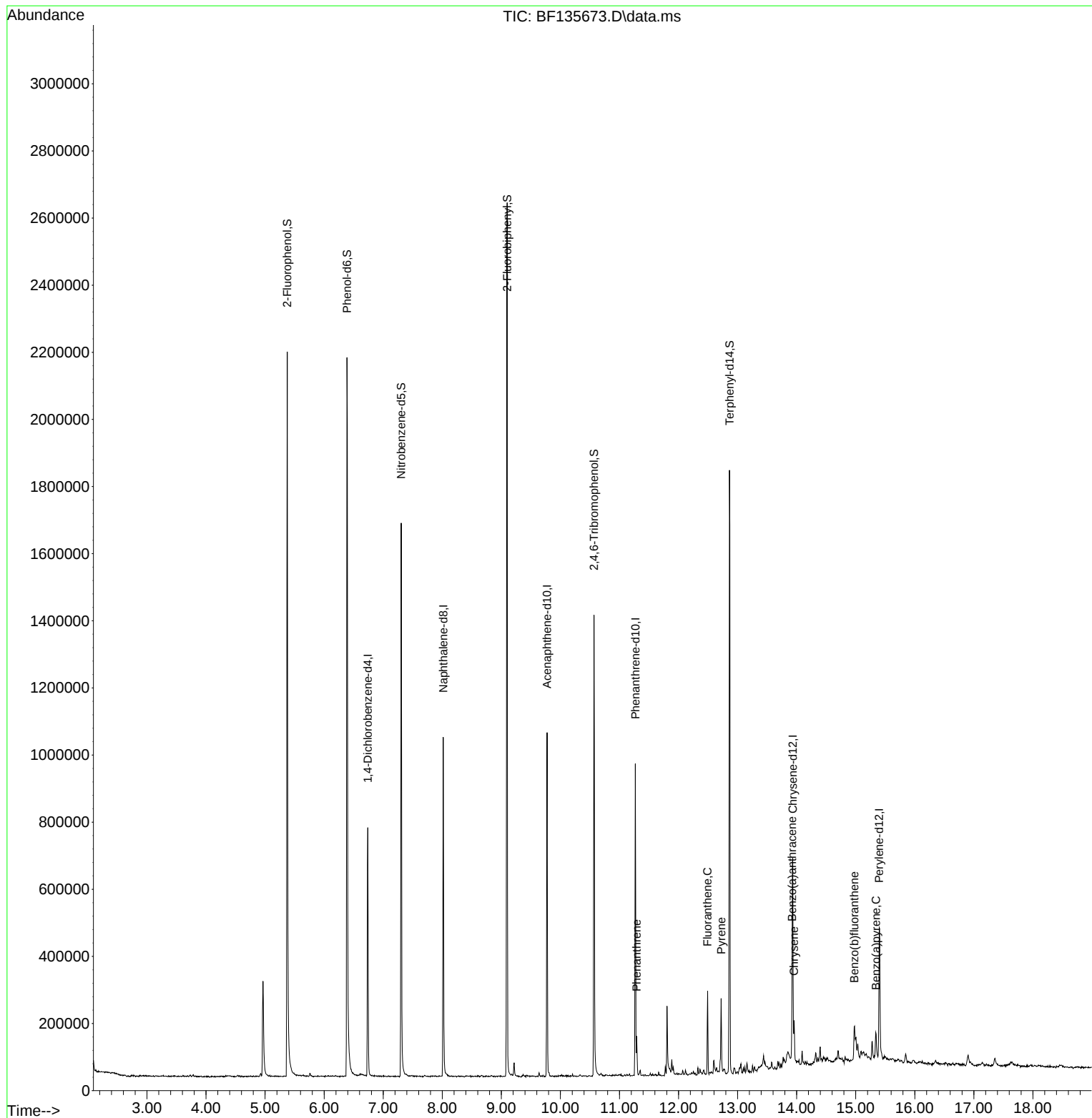
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
Data File : BF135673.D
Acq On : 10 Oct 2023 02:48
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Instrument :
BNA_F
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Quant Time: Oct 10 04:24:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

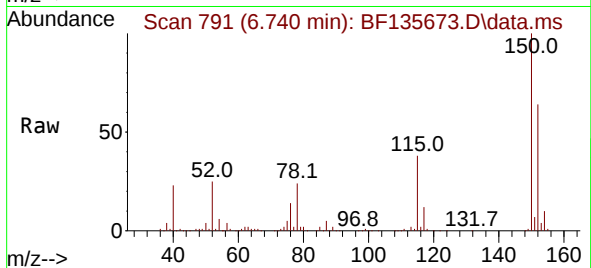
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

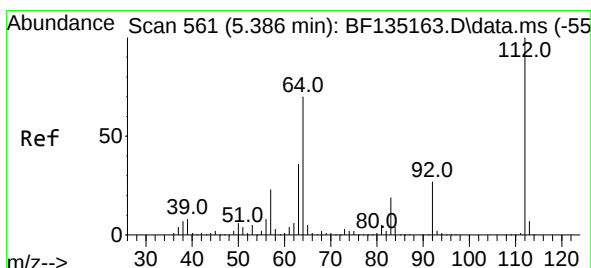
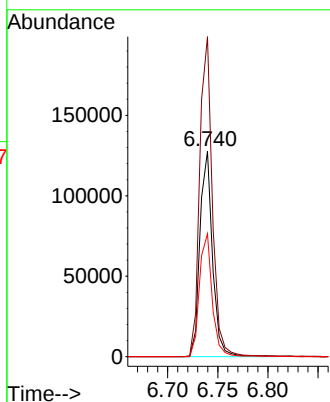
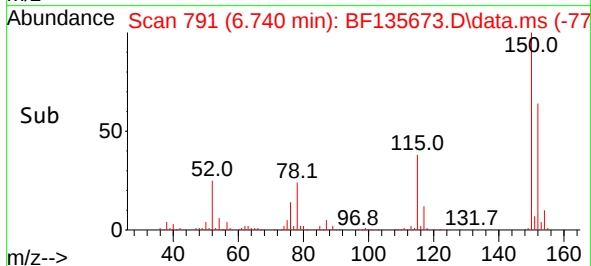
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 112100
Ion Ratio Lower Upper
152 100
150 155.7 127.8 191.6
115 59.8 49.8 74.8

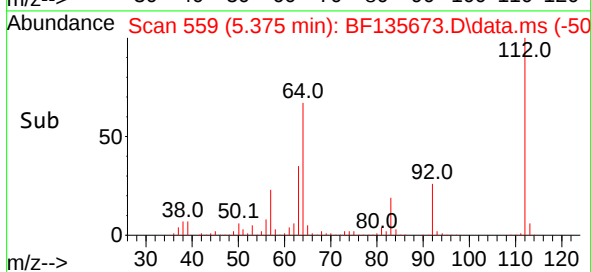
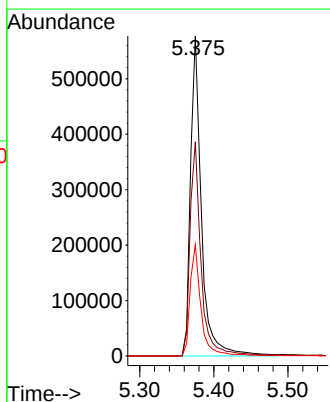
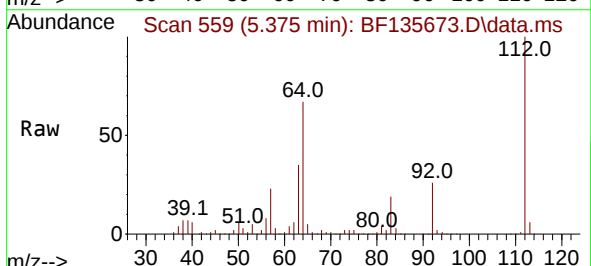
Manual Integrations
APPROVED

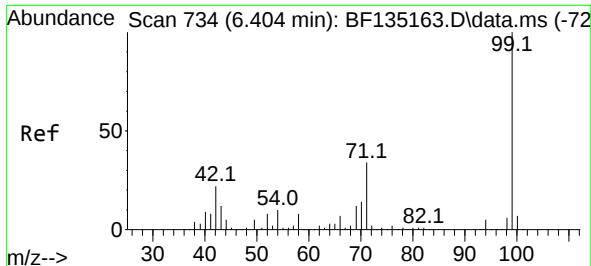
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#5
2-Fluorophenol
Concen: 86.353 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

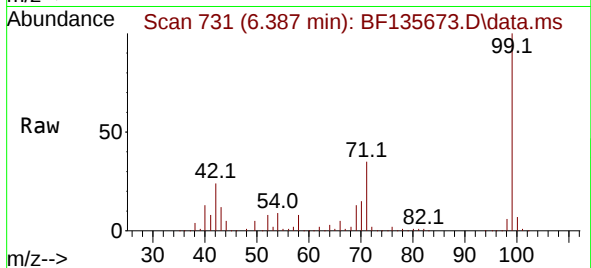
Tgt Ion:112 Resp: 595175
Ion Ratio Lower Upper
112 100
64 66.9 55.9 83.9
63 34.8 29.0 43.6





#7
Phenol-d6
Concen: 89.225 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

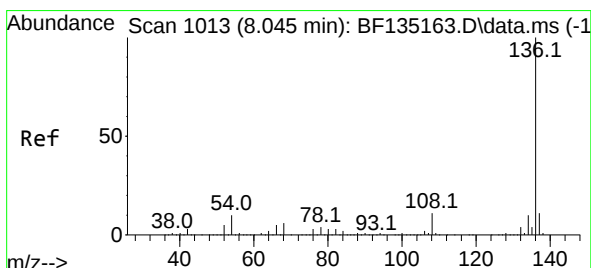
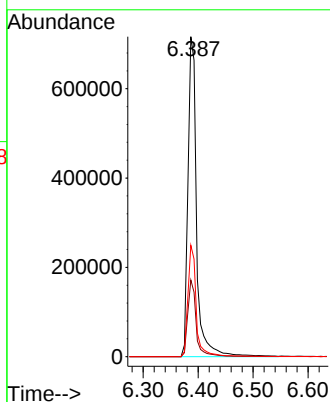
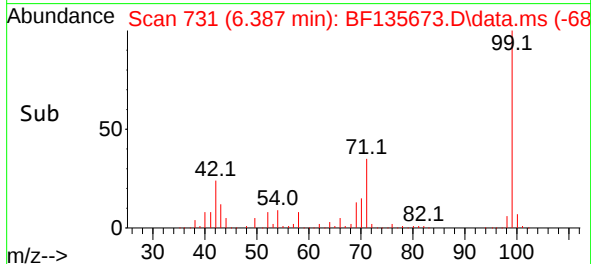
Instrument :
BNA_F
ClientSampleId :
TP-1



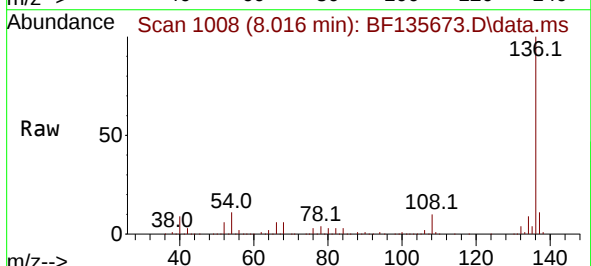
Tgt Ion: 99 Resp: 78196
Ion Ratio Lower Upper
99 100
42 23.9 17.9 26.9
71 34.8 27.0 40.6

Manual Integrations
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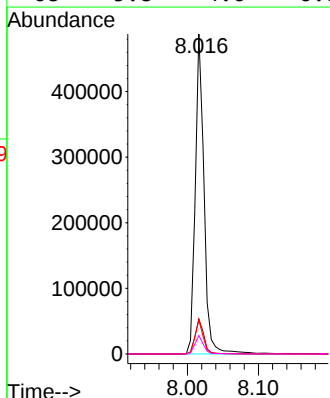
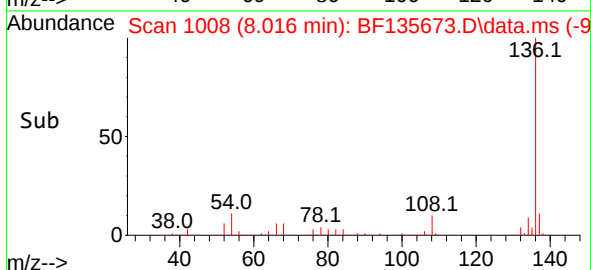
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48



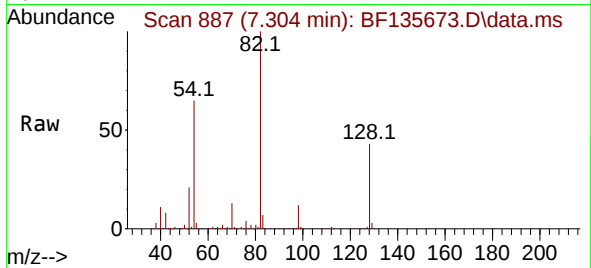
Tgt Ion:136 Resp: 419596
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.6 7.7 11.5
68 5.8 4.6 6.8





#23
Nitrobenzene-d5
Concen: 62.106 ng
RT: 7.304 min Scan# 88
Delta R.T. -0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

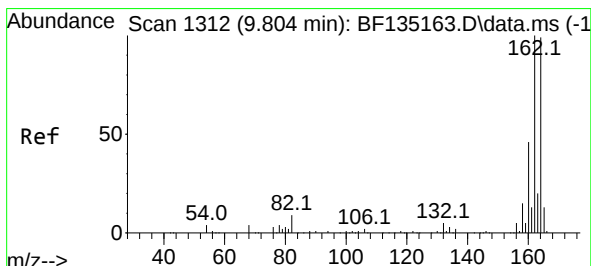
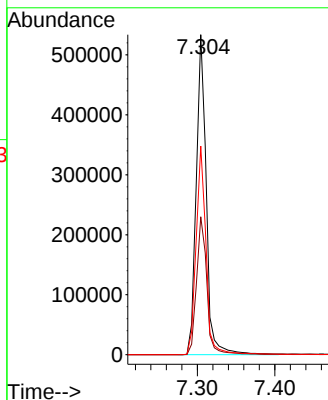
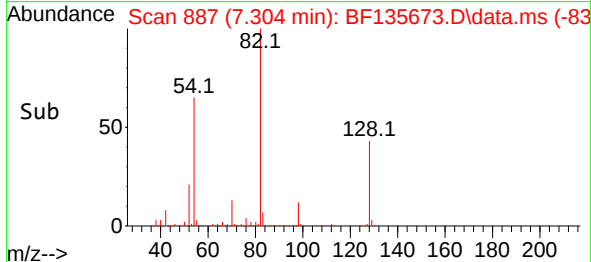
Instrument :
BNA_F
ClientSampleId :
TP-1



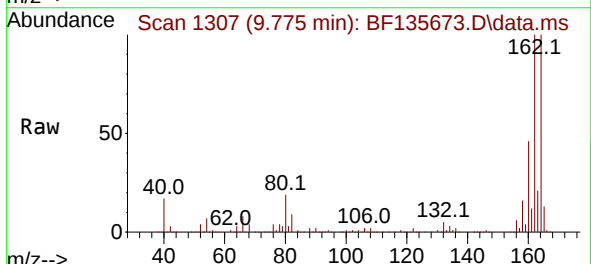
Tgt Ion: 82 Resp: 479659
Ion Ratio Lower Upper
82 100
128 43.1 35.8 53.6
54 65.2 50.6 76.0

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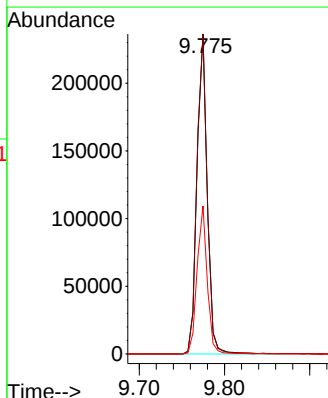
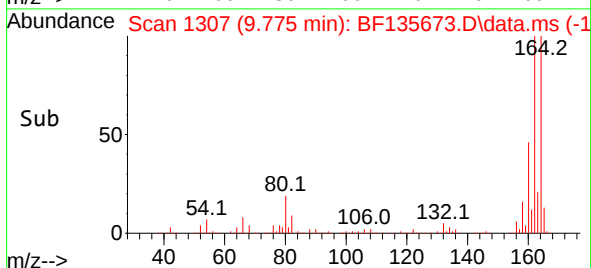
Reviewed By :Yogesh Patel 10/11/2023
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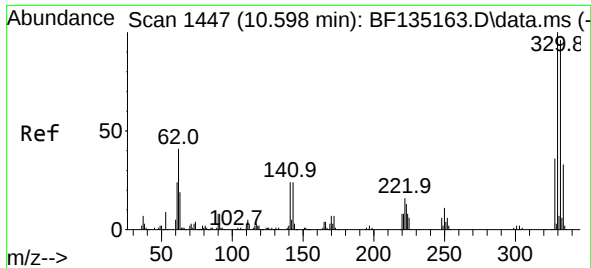


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48



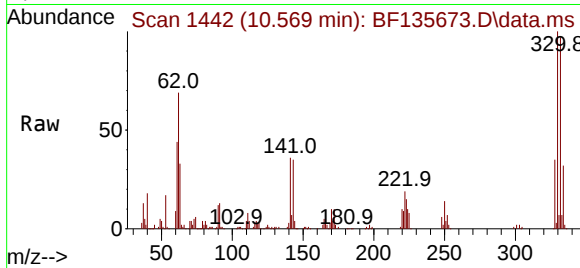
Tgt Ion:164 Resp: 197828
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 46.2 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 81.987 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

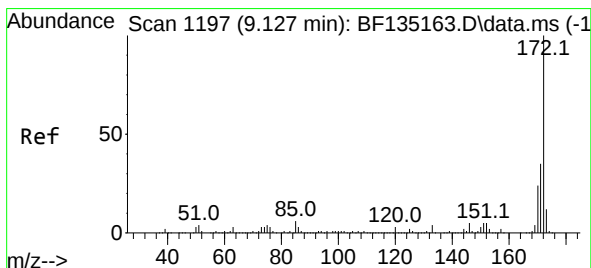
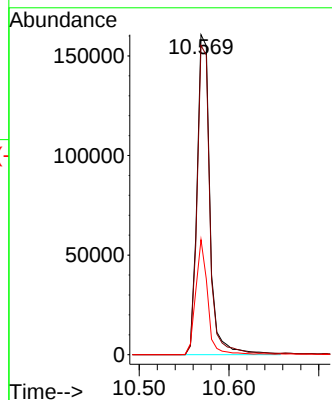
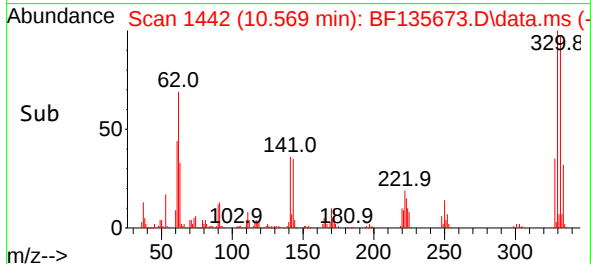
Instrument :
BNA_F
ClientSampleId :
TP-1



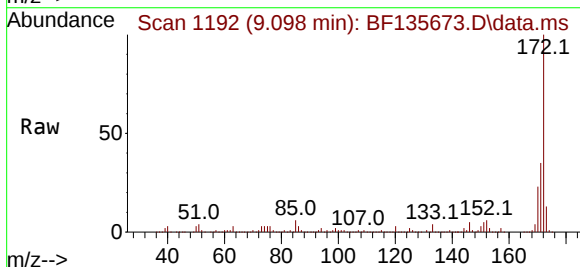
Tgt Ion: 330 Resp: 16118
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 32.9 25.8 38.8

Manual Integrations
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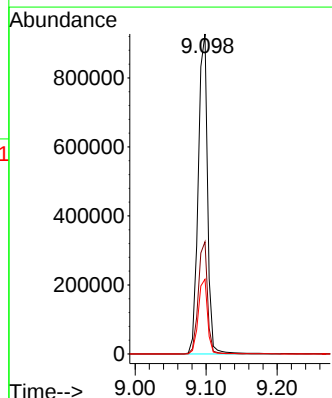
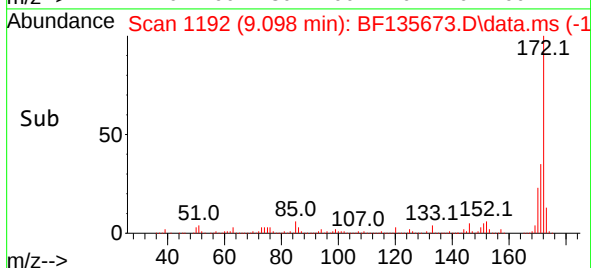
Reviewed By : Yogesh Patel 10/11/2023
Supervised By : mohammad ahmed 10/11/2023

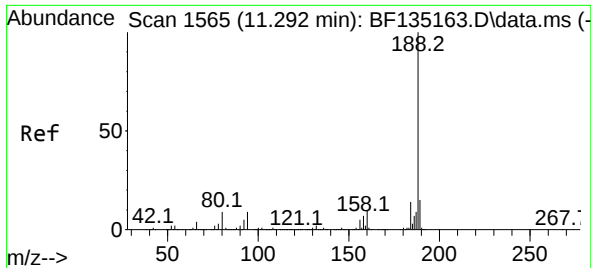


#45
2-Fluorobiphenyl
Concen: 64.866 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48



Tgt Ion: 172 Resp: 850539
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.3 19.0 28.4





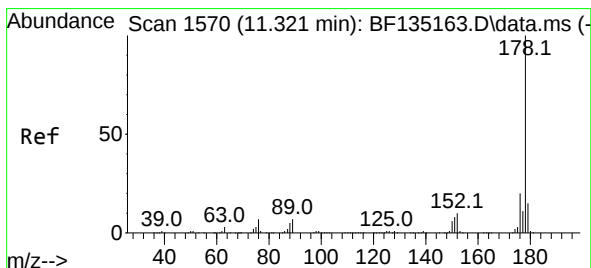
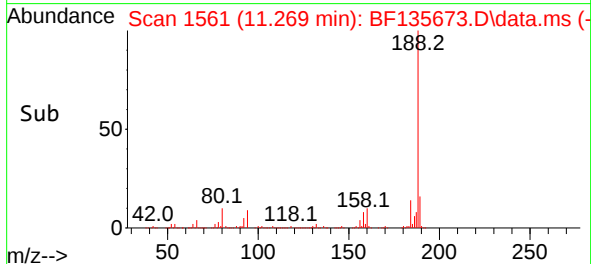
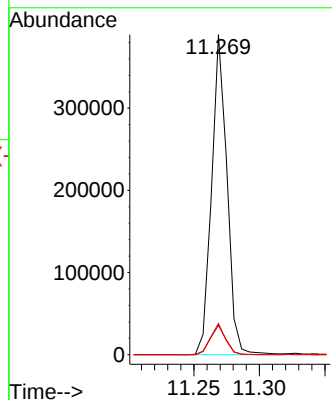
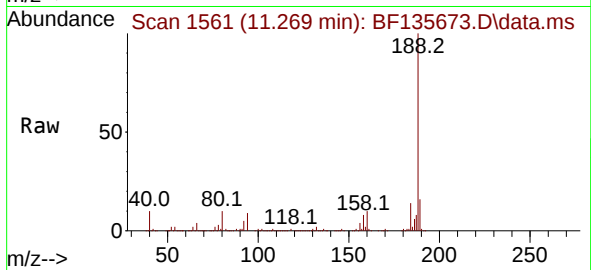
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 31783
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.8 7.5 11.3

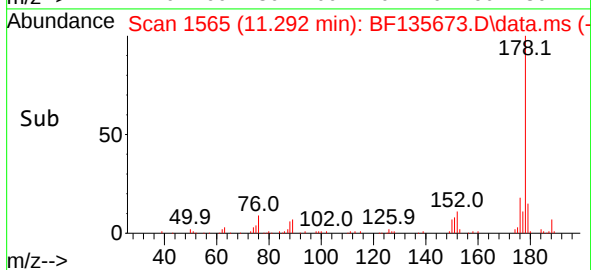
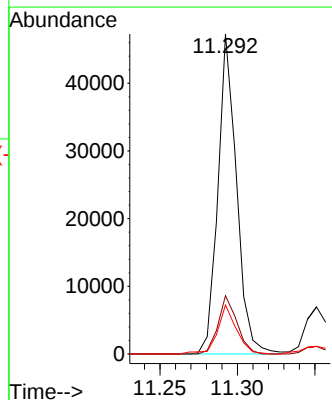
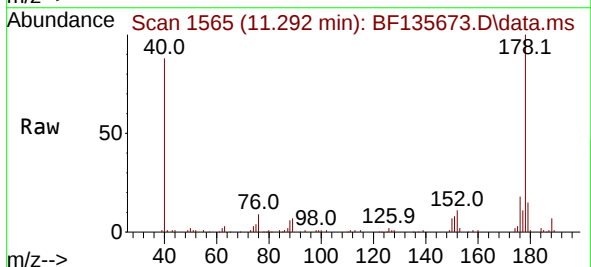
Manual Integrations
APPROVED

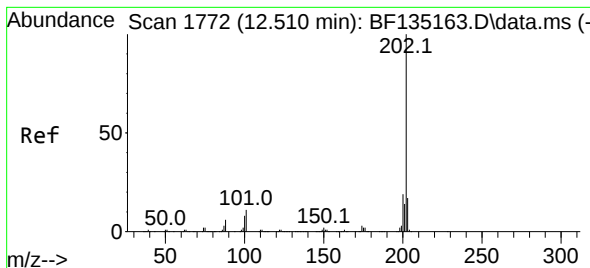
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#71
Phenanthrene
Concen: 2.631 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:178 Resp: 39551
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.3 12.0 18.0





#75

Fluoranthene

Concen: 5.880 ng

RT: 12.492 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

Instrument :

BNA_F

ClientSampleId :

TP-1

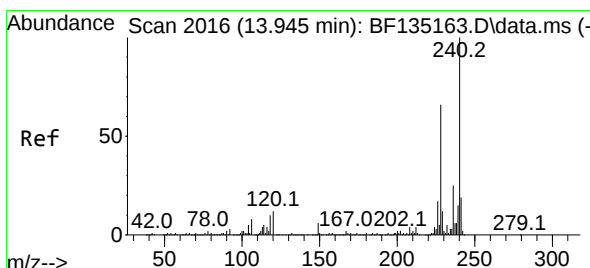
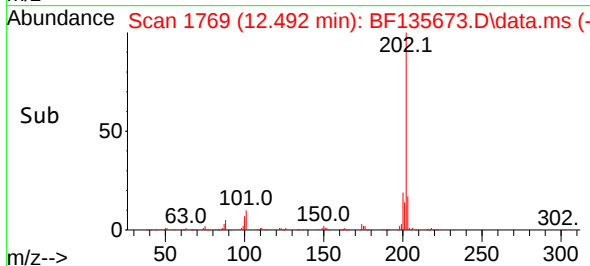
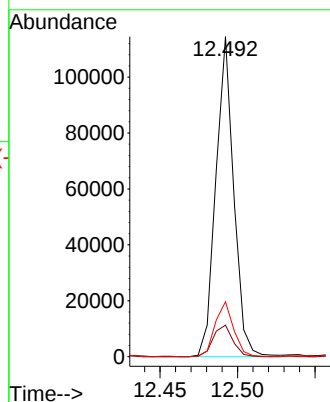
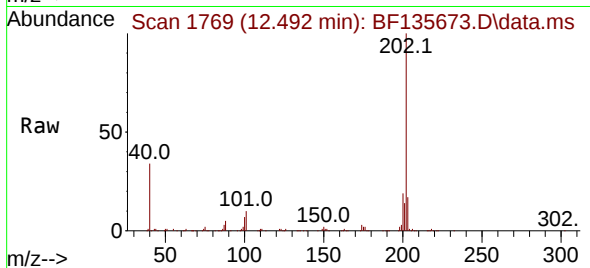
Tgt Ion:	202	Resp:	92100
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	31.3
203	17.2	0.0	37.4

Manual Integrations

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Supervised By :mohammad ahmed 10/11/2023



#76

Chrysene-d12

Concen: 20.000 ng

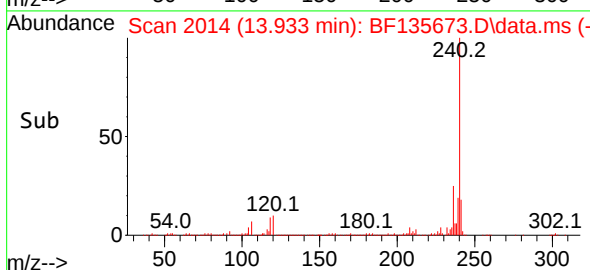
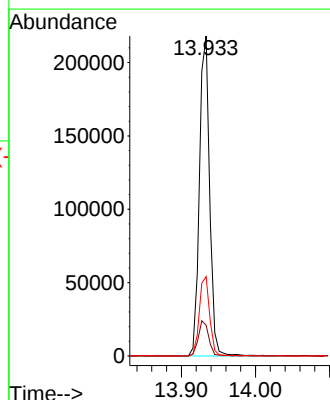
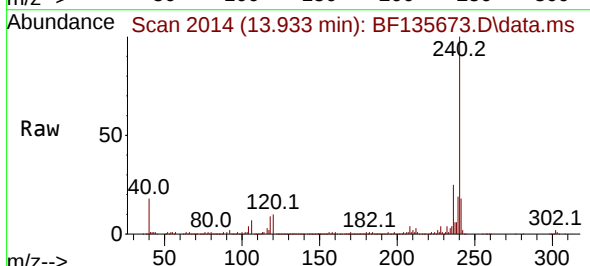
RT: 13.933 min Scan# 2014

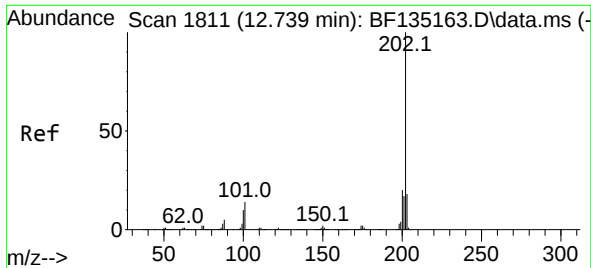
Delta R.T. 0.006 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

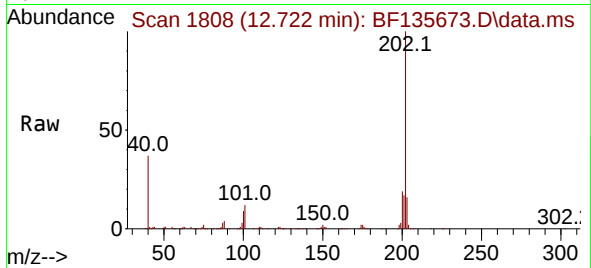
Tgt Ion:	240	Resp:	208544
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.4	14.2
236	24.8	19.8	29.8





#78
Pyrene
Concen: 4.471 ng
RT: 12.722 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

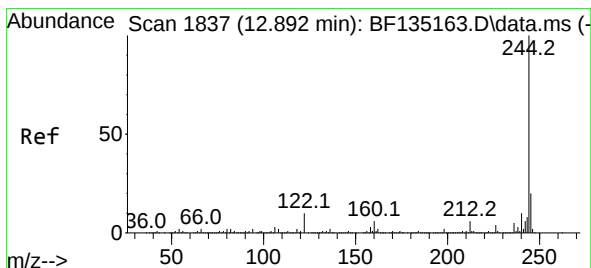
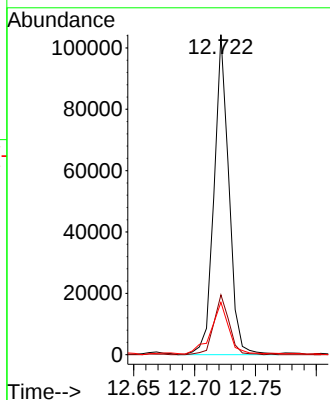
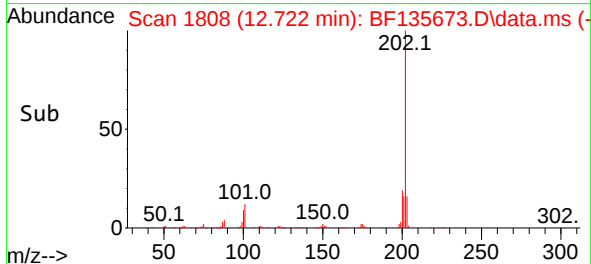
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 88775
Ion Ratio Lower Upper
202 100
200 18.7 16.2 24.2
203 16.3 14.2 21.4

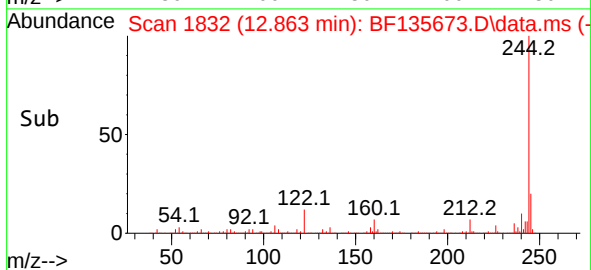
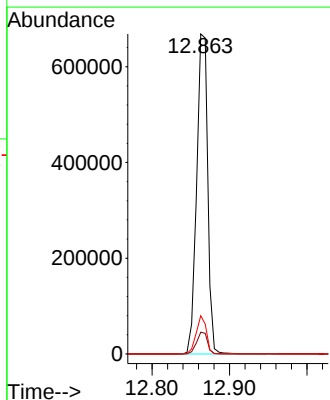
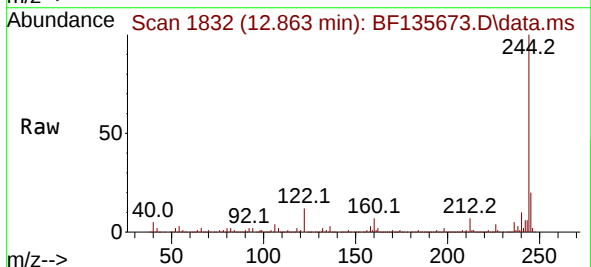
Manual Integrations
APPROVED

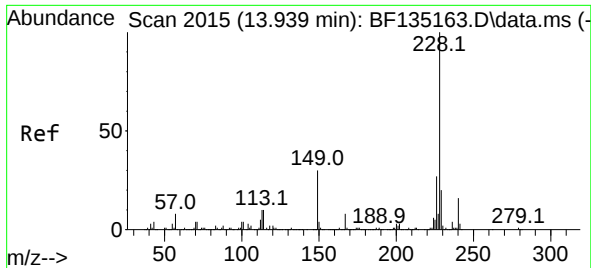
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#79
Terphenyl-d14
Concen: 49.270 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

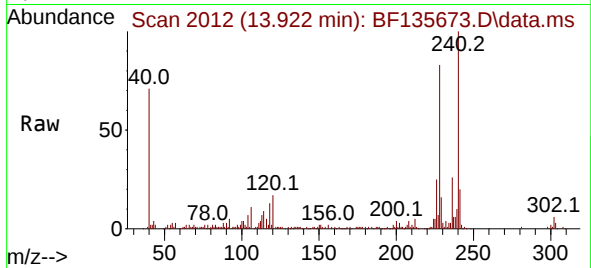
Tgt Ion:244 Resp: 662819
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 12.0 7.9 11.9





#81
Benzo(a)anthracene
Concen: 3.279 ng
RT: 13.922 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

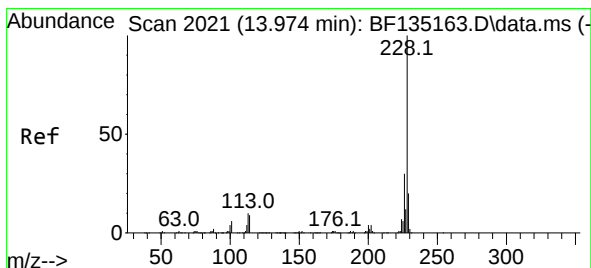
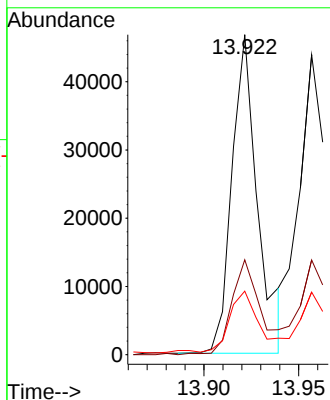
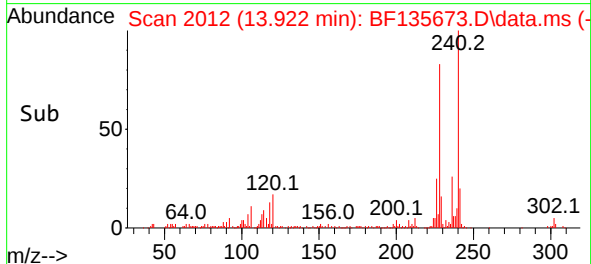
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 44150
Ion Ratio Lower Upper
228 100
226 29.6 21.7 32.5
229 19.9 15.8 23.8

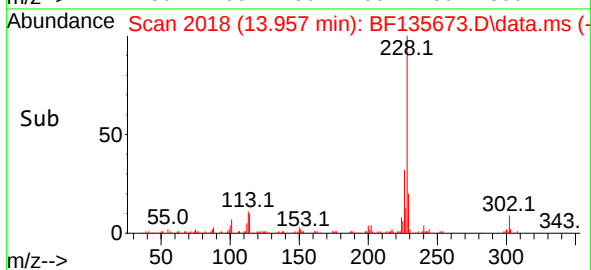
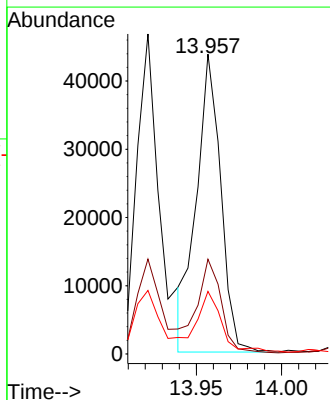
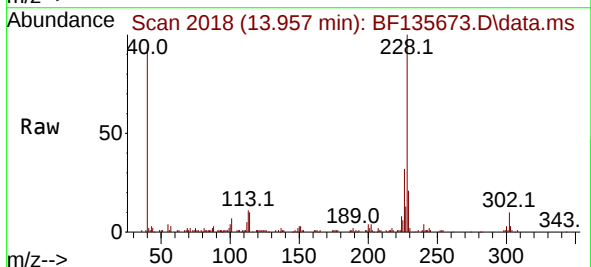
Manual Integrations
APPROVED

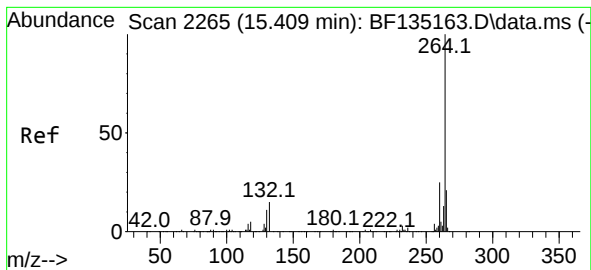
Reviewed By :Yogesh Patel 10/11/2023
Supervised By :mohammad ahmed 10/11/2023



#83
Chrysene
Concen: 3.231 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135673.D
Acq: 10 Oct 2023 02:48

Tgt Ion:228 Resp: 43264
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 20.9 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2191

Delta R.T. 0.012 min

Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:264 Resp: 194319

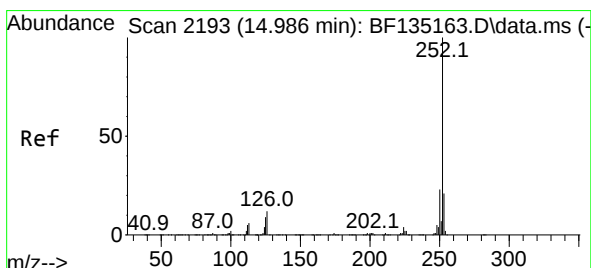
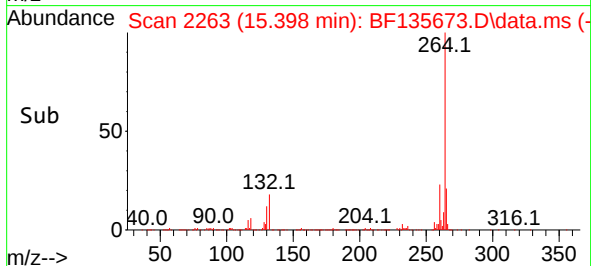
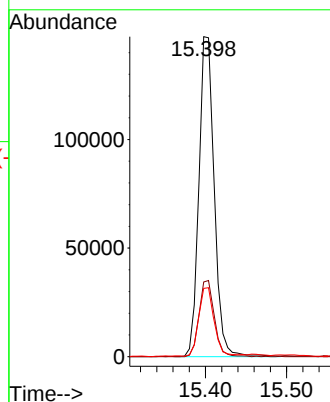
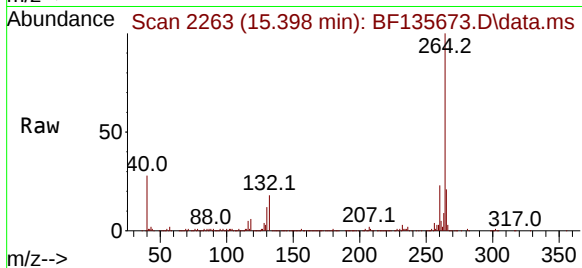
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.8	29.6
265	21.4	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/11/2023

Supervised By :mohammad ahmed 10/11/2023



#88

Benzo(b)fluoranthene

Concen: 4.815 ng m

RT: 14.974 min Scan# 2191

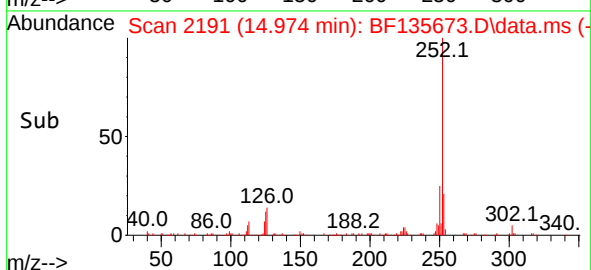
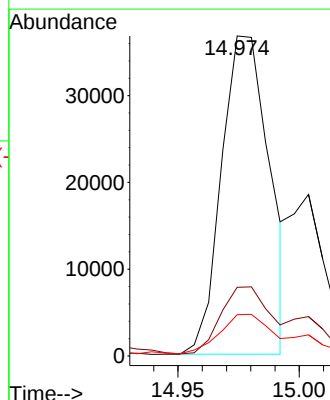
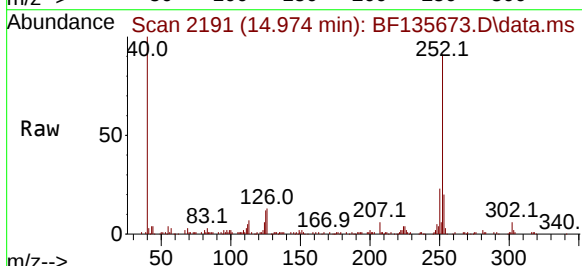
Delta R.T. 0.012 min

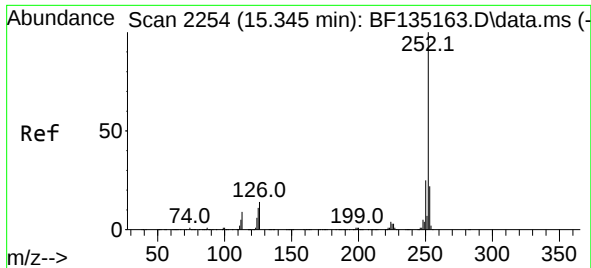
Lab File: BF135673.D

Acq: 10 Oct 2023 02:48

Tgt Ion:252 Resp: 50653

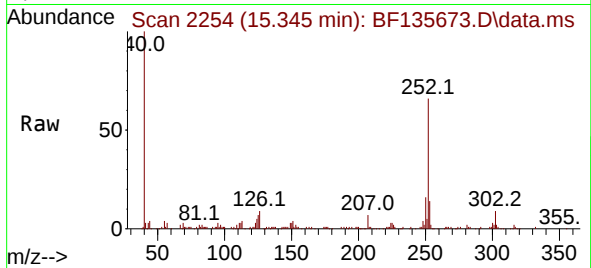
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	12.9	7.1	10.7





#90
 Benzo(a)pyrene
 Concen: 3.412 ng
 RT: 15.345 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135673.D
 Acq: 10 Oct 2023 02:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:252 Resp: 3423
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.5 26.3
 125 10.8 9.2 13.8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/11/2023
 Supervised By :mohammad ahmed 10/11/2023

