

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135865.D
 Acq On : 19 Oct 2023 00:29
 Operator : CG\JU
 Sample : 04888-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21

Quant Time: Oct 19 02:11:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	89242	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	335078	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	169669	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	320455	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	167536	20.000	ng	-0.01
86) Perylene-d12	15.415	264	218948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	464570	83.695	ng	0.00
7) Phenol-d6	6.392	99	586504	84.684	ng	0.00
23) Nitrobenzene-d5	7.304	82	364512	59.830	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	146167	89.777	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	604736	55.727	ng	-0.01
79) Terphenyl-d14	12.863	244	517836	57.241	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	86355	5.625	ng	98
75) Fluoranthene	12.498	202	121948	7.157	ng	96
78) Pyrene	12.727	202	169042	12.697	ng	99
81) Benzo(a)anthracene	13.927	228	53854	4.894	ng	98
83) Chrysene	13.962	228	67303	6.314	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	29331	2.459	ng	99
88) Benzo(b)fluoranthene	14.992	252	65608m	5.354	ng	
90) Benzo(a)pyrene	15.356	252	54582	4.737	ng	97
92) Benzo(g,h,i)perylene	17.392	276	29483	2.935	ng	98

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

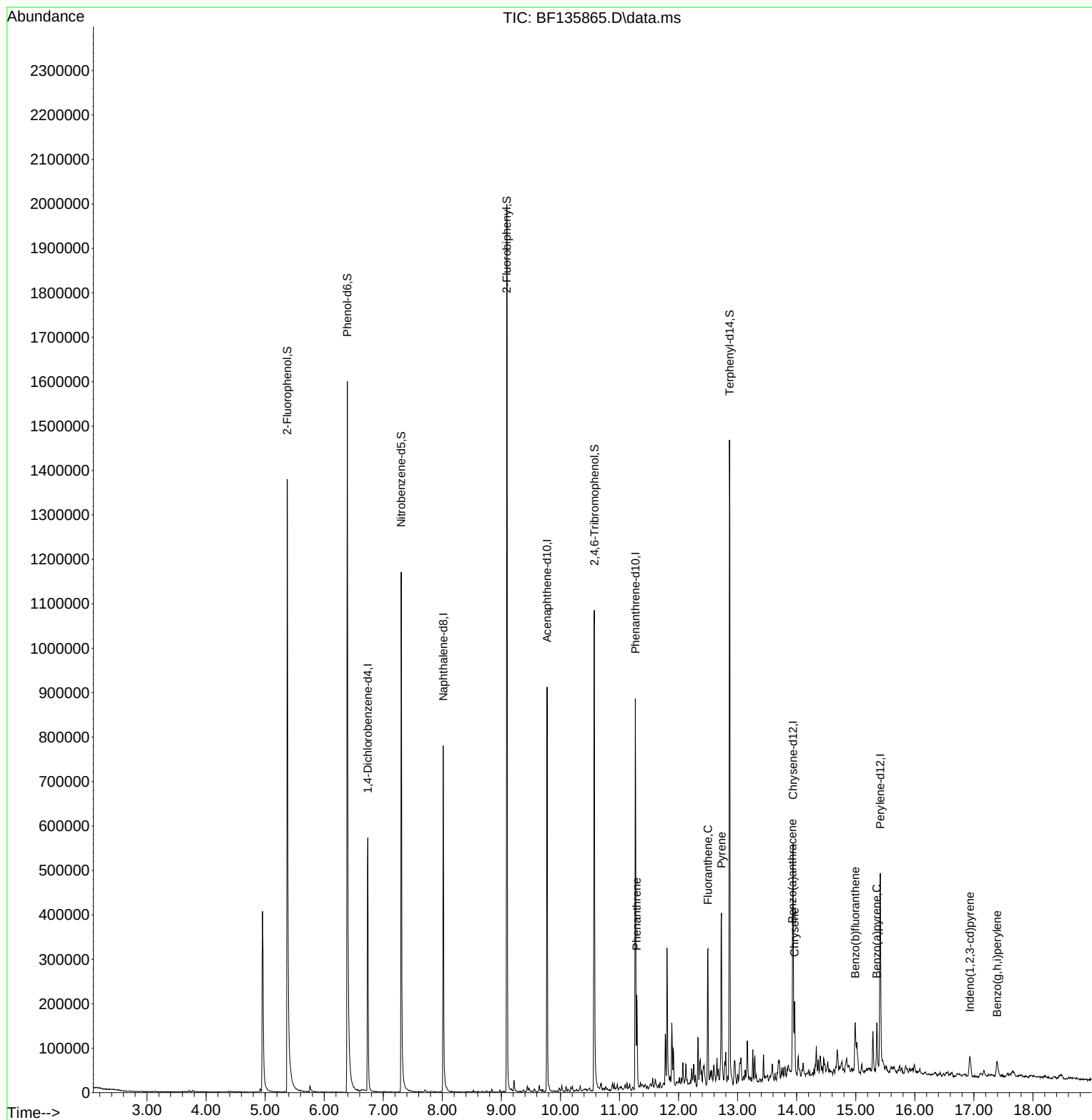
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135865.D
Acq On : 19 Oct 2023 00:29
Operator : CG\JU
Sample : 04888-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

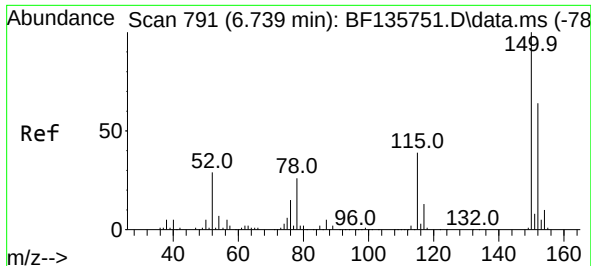
Instrument :
BNA_F
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TR-304-COMP-21

Quant Time: Oct 19 02:11:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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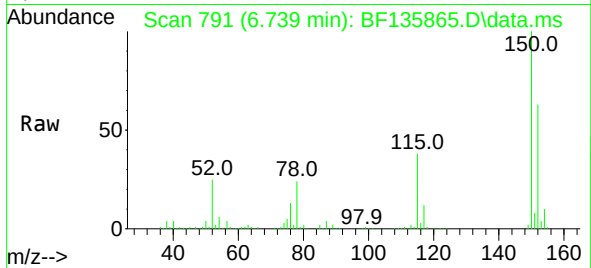
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

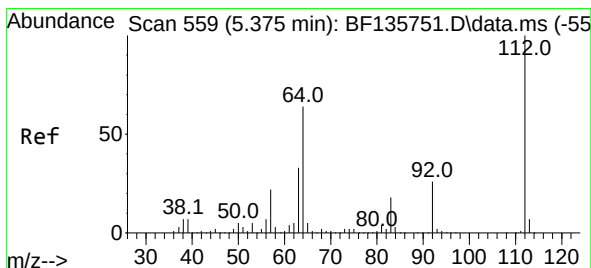
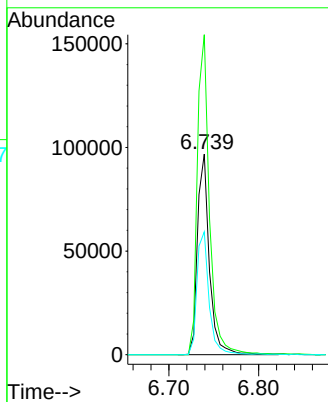
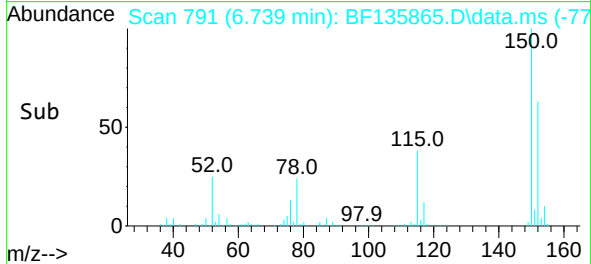
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21



Tgt Ion:152 Resp: 8924
Ion Ratio Lower Upper
152 100
150 159.4 124.5 186.7
115 61.2 49.0 73.4

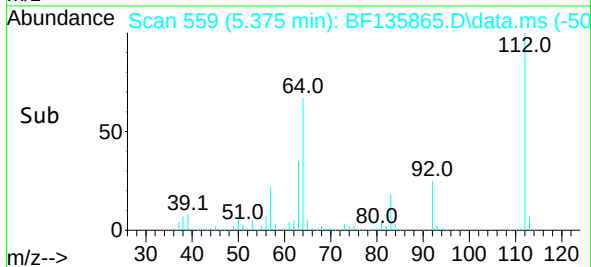
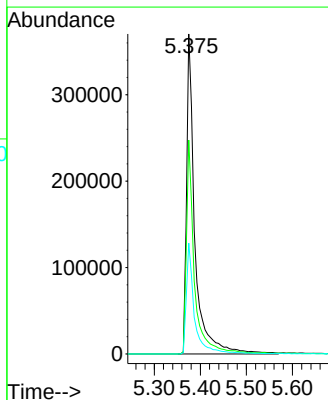
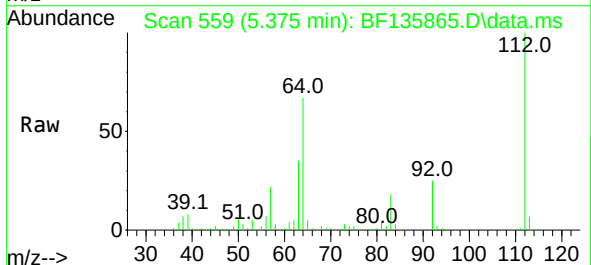
Manual Integrations
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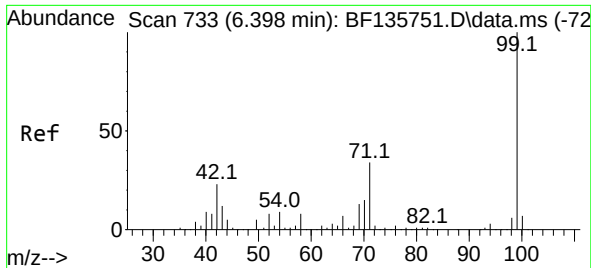
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
2-Fluorophenol
Concen: 83.695 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

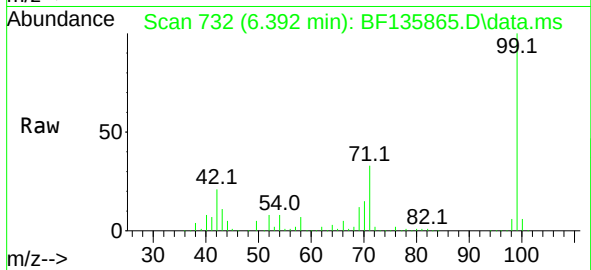
Tgt Ion:112 Resp: 464570
Ion Ratio Lower Upper
112 100
64 66.8 51.2 76.8
63 34.7 26.1 39.1





#7
Phenol-d6
Concen: 84.684 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

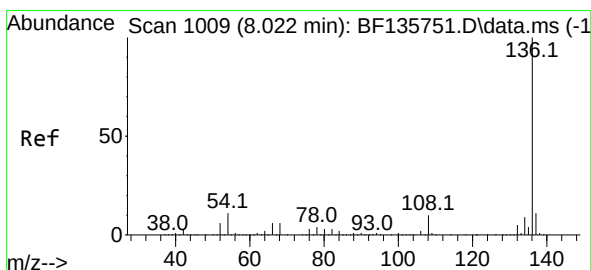
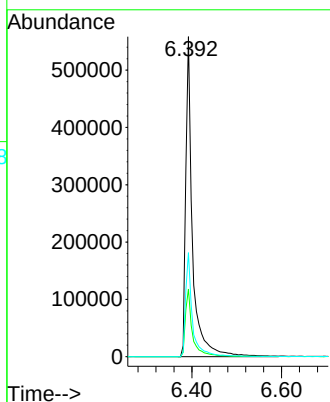
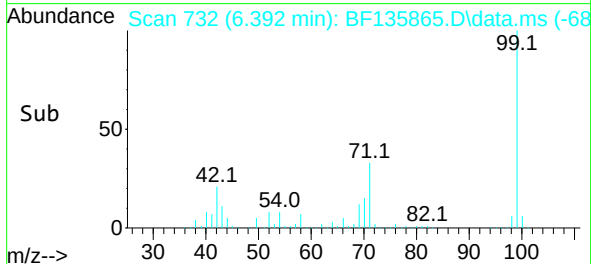
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21



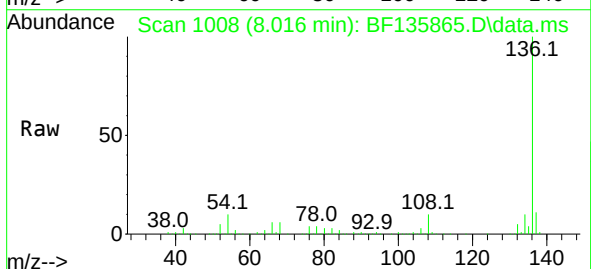
Tgt Ion: 99 Resp: 586504
Ion Ratio Lower Upper
99 100
42 21.2 18.4 27.6
71 32.5 27.2 40.8

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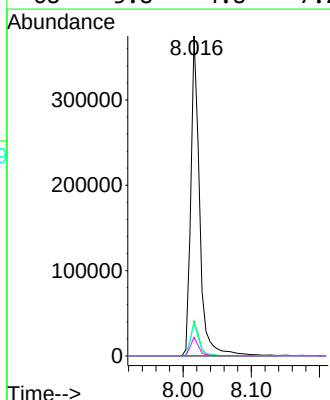
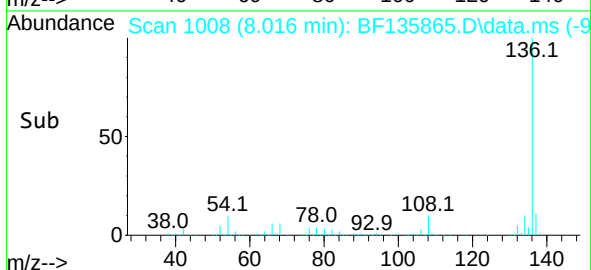
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

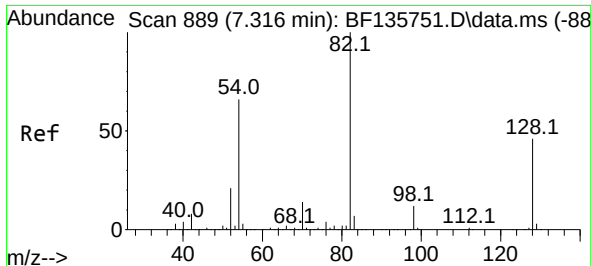


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29



Tgt Ion:136 Resp: 335078
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.2 8.5 12.7
68 5.8 4.8 7.2





#23

Nitrobenzene-d5

Concen: 59.830 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

Instrument :

BNA_F

ClientSampleId :

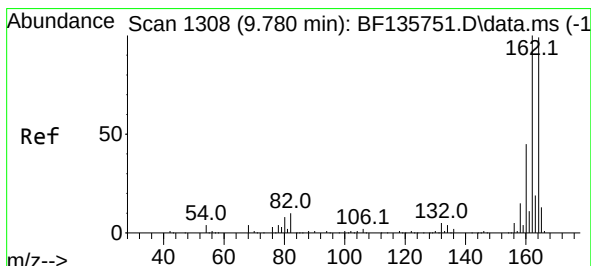
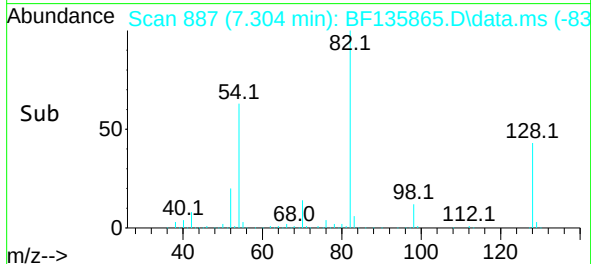
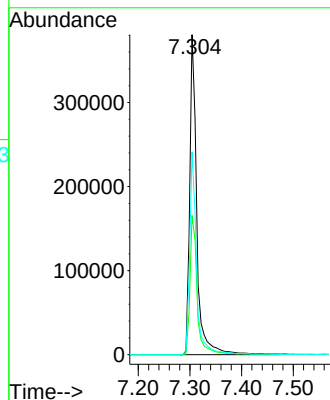
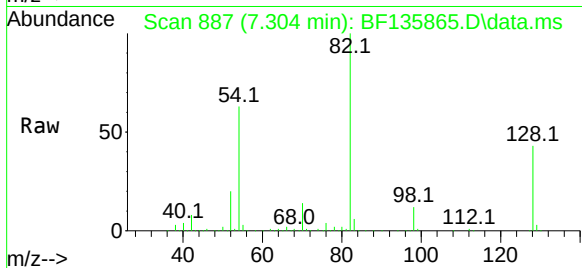
TR-304-COMP-21

Tgt Ion: 82 Resp: 364512
 Ion Ratio Lower Upper
 82 100
 128 43.5 37.0 55.6
 54 63.3 52.8 79.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

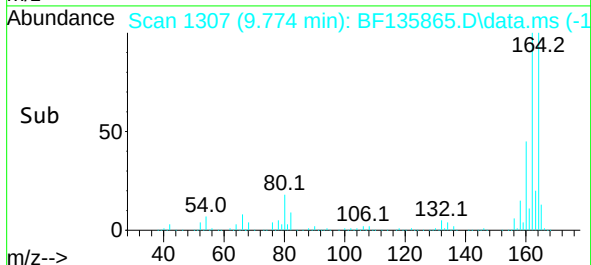
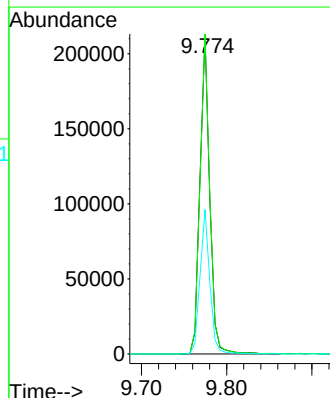
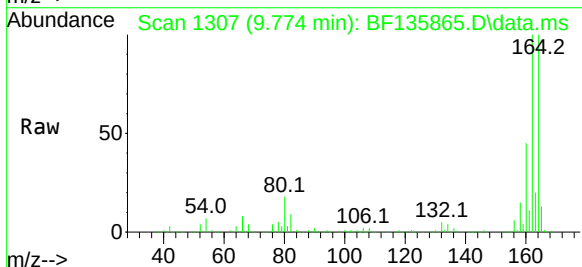
RT: 9.774 min Scan# 1307

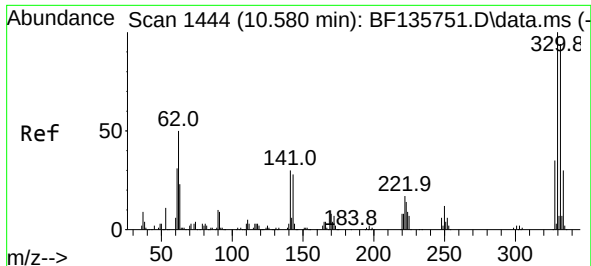
Delta R.T. -0.012 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

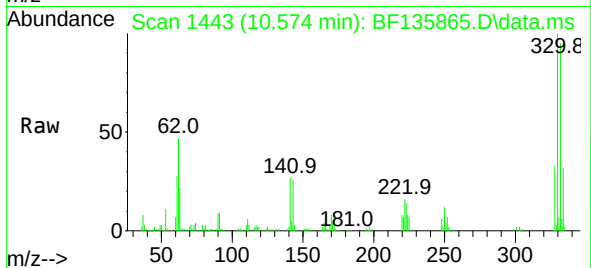
Tgt Ion:164 Resp: 169669
 Ion Ratio Lower Upper
 164 100
 162 100.3 80.8 121.2
 160 45.3 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 89.777 ng
RT: 10.574 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

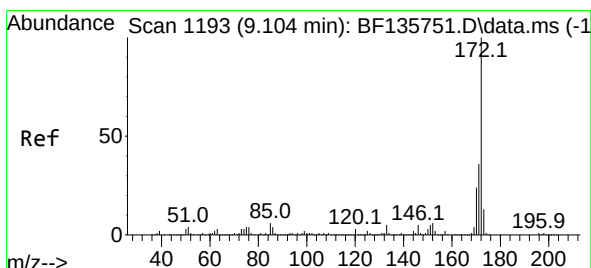
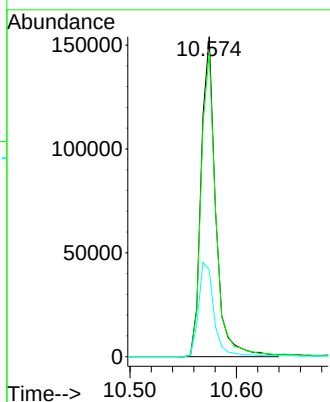
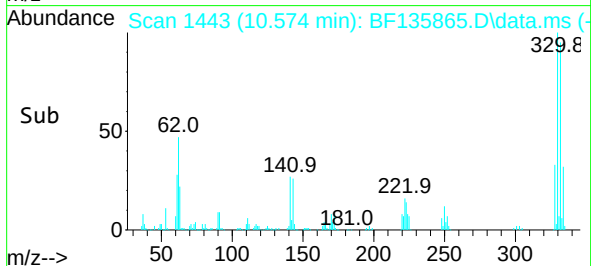
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21



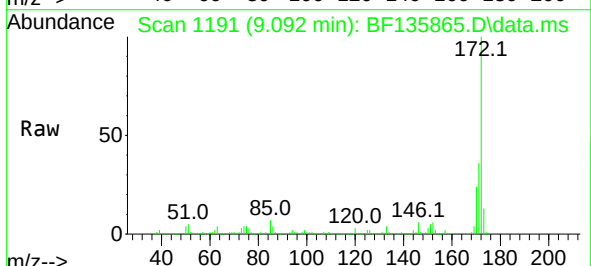
Tgt Ion: 330 Resp: 14616
Ion Ratio Lower Upper
330 100
332 97.8 75.0 112.4
141 32.3 25.8 38.6

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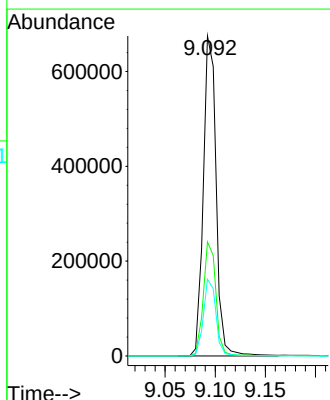
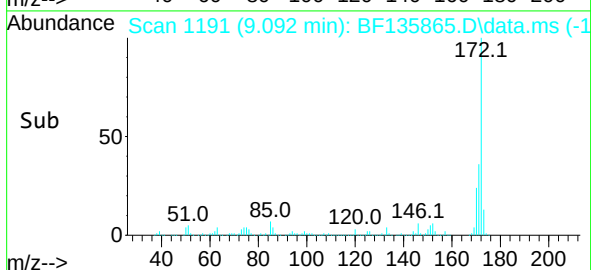
Reviewed By : Yogesh Patel 10/19/2023
Supervised By : mohammad ahmed 10/20/2023

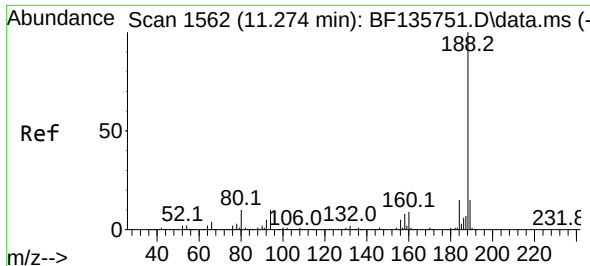


#45
2-Fluorobiphenyl
Concen: 55.727 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29



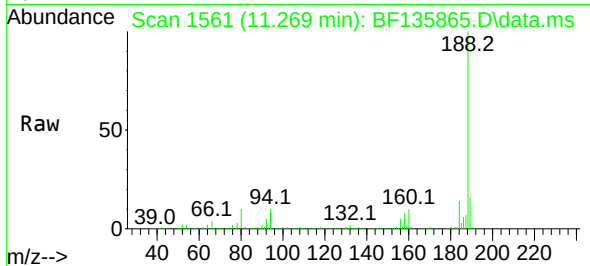
Tgt Ion: 172 Resp: 604736
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.9 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1562
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

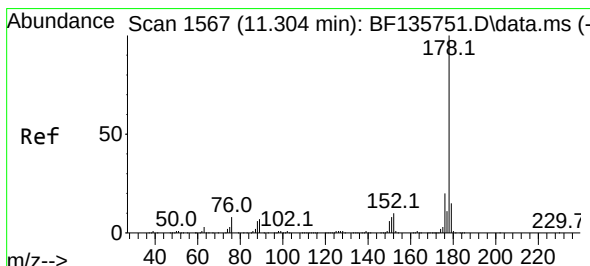
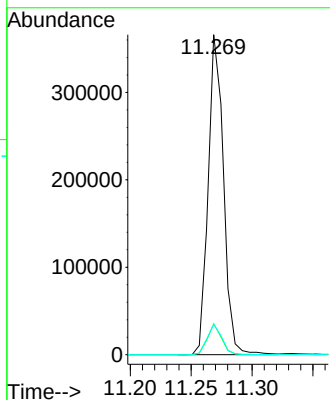
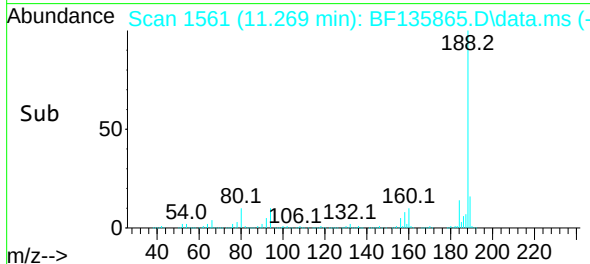
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21



Tgt Ion:188 Resp: 32045
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 9.5 8.3 12.5

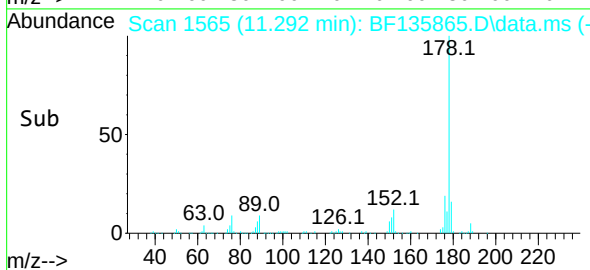
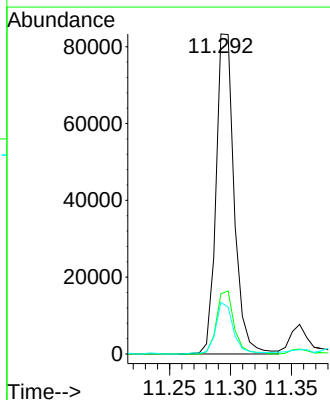
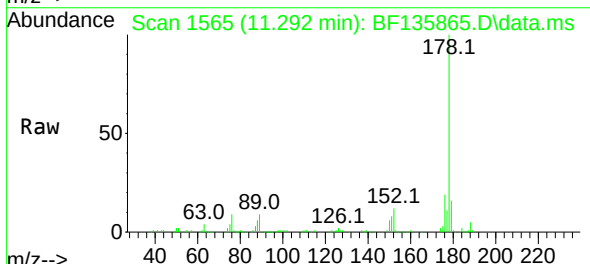
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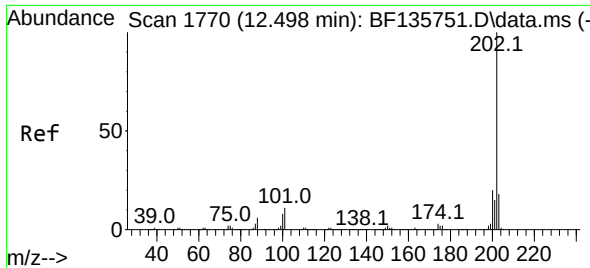
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#71
Phenanthrene
Concen: 5.625 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

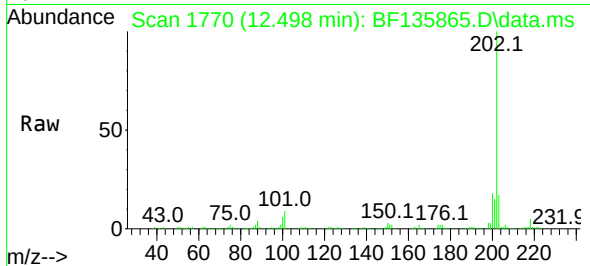
Tgt Ion:178 Resp: 86355
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 16.1 12.2 18.4





#75
Fluoranthene
Concen: 7.157 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

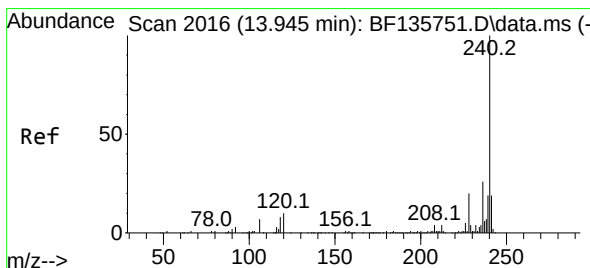
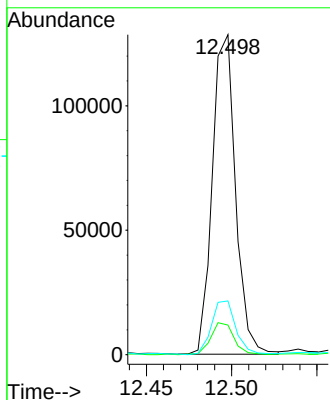
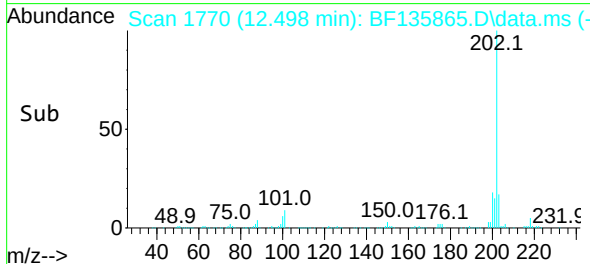
Instrument :
BNA_F
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TR-304-COMP-21



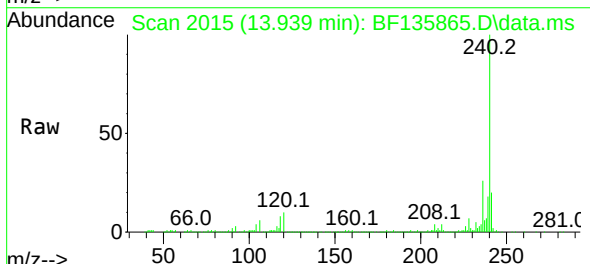
Tgt Ion:202 Resp: 121948
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.5
203 16.8 0.0 38.3

Manual Integrations
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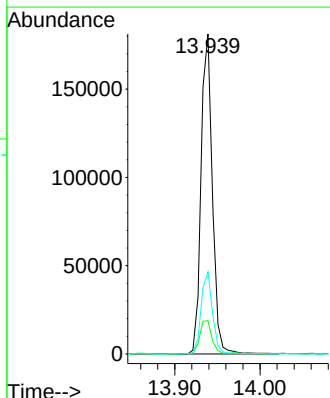
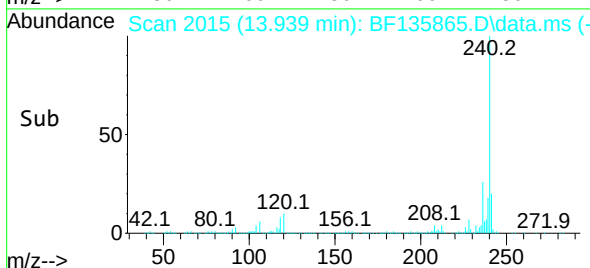
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

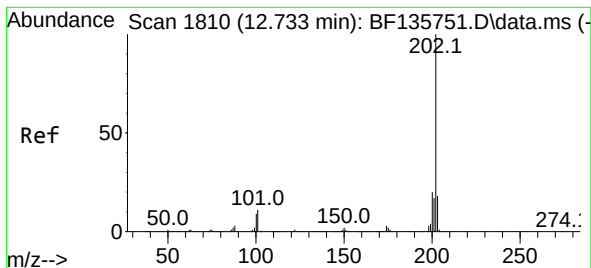


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29



Tgt Ion:240 Resp: 167536
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 25.7 21.2 31.8





#78

Pyrene

Concen: 12.697 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21

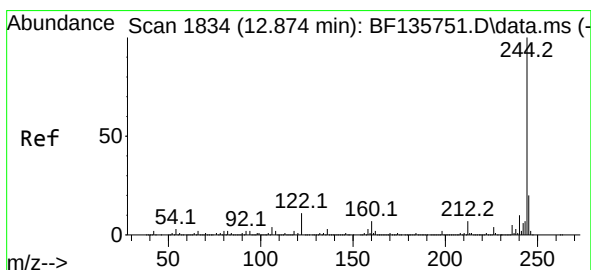
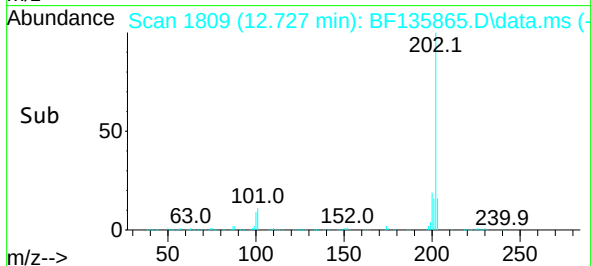
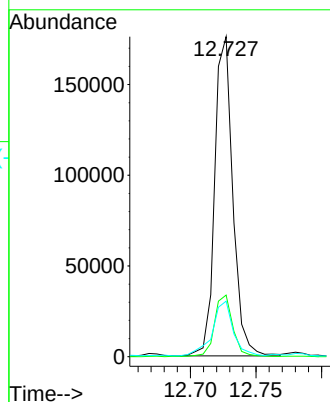
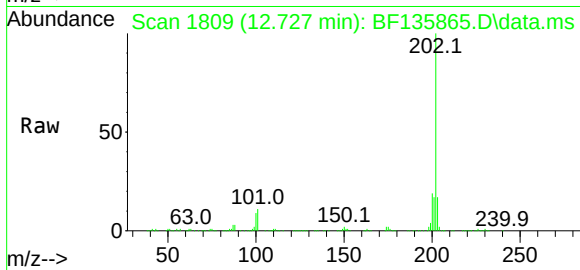
Tgt Ion:	202	Resp:	16904
Ion Ratio	Lower	Upper	
202	100		
200	19.2	16.1	24.1
203	17.4	14.2	21.2

Manual Integrations

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#79

Terphenyl-d14

Concen: 57.241 ng

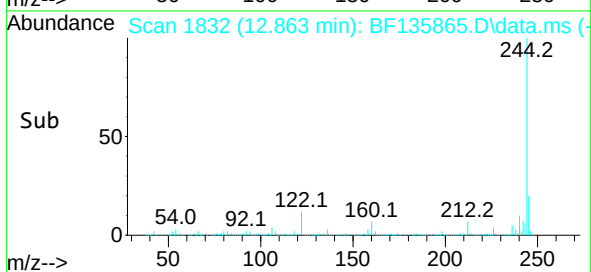
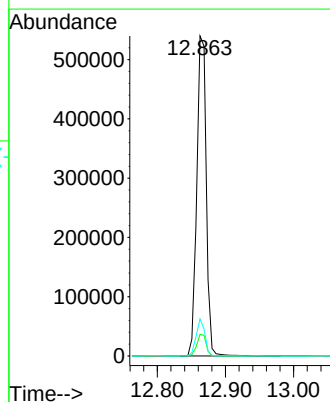
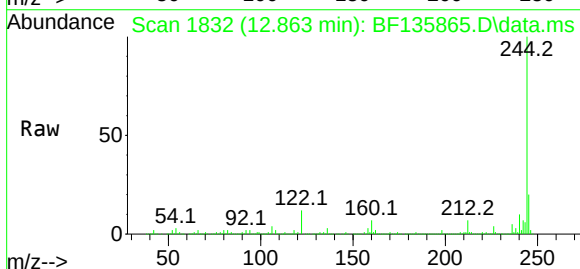
RT: 12.863 min Scan# 1832

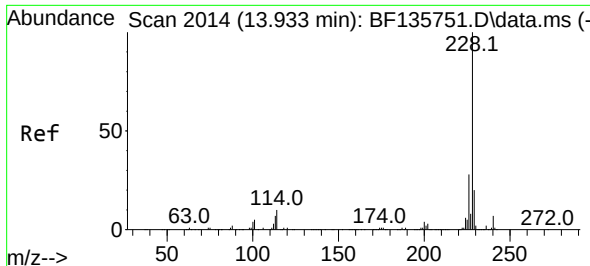
Delta R.T. -0.018 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

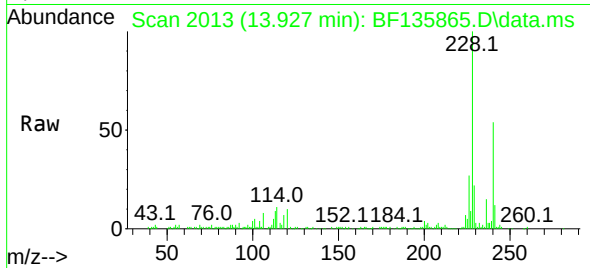
Tgt Ion:	244	Resp:	517836
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.6	8.4
122	11.6	9.0	13.6





#81
Benzo(a)anthracene
Concen: 4.894 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

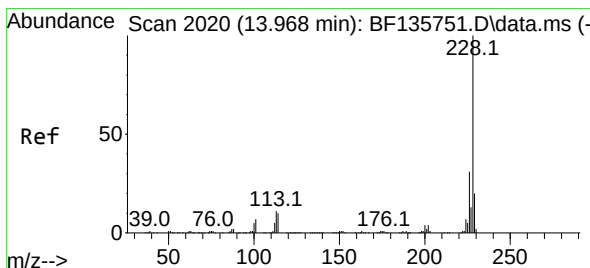
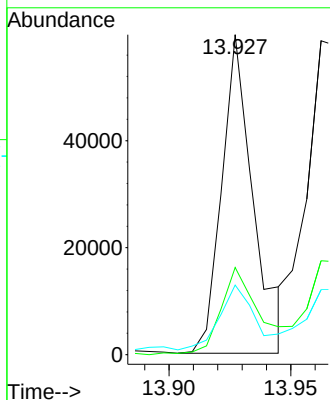
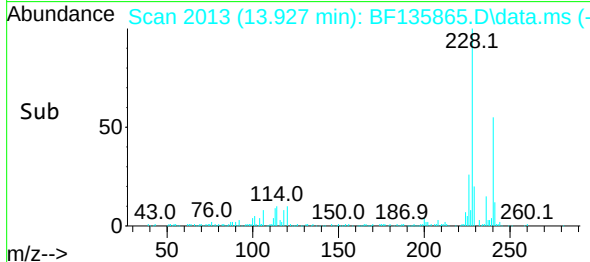
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21



Tgt Ion:228 Resp: 53854
Ion Ratio Lower Upper
228 100
226 27.2 22.2 33.2
229 21.8 16.1 24.1

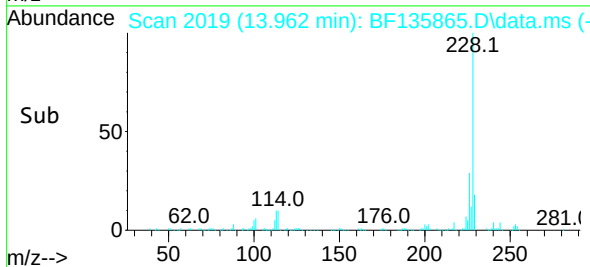
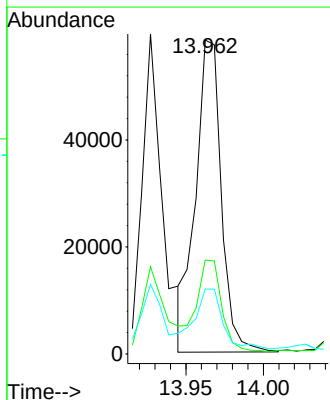
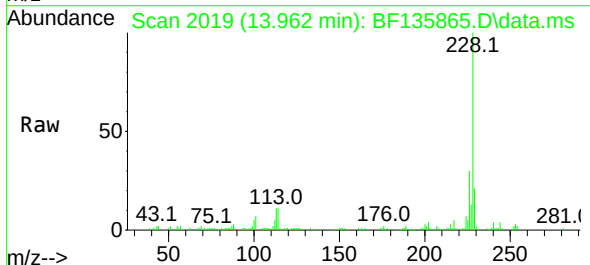
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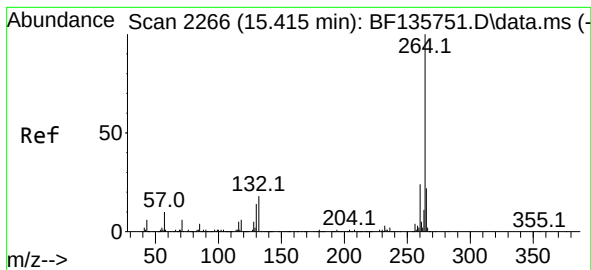
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#83
Chrysene
Concen: 6.314 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

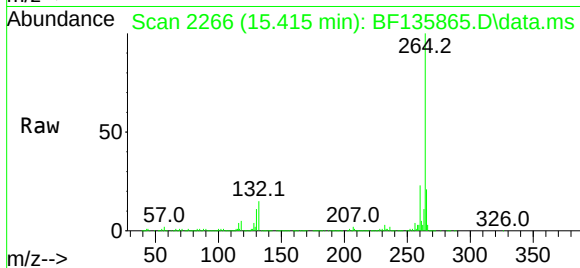
Tgt Ion:228 Resp: 67303
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 20.7 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21894
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

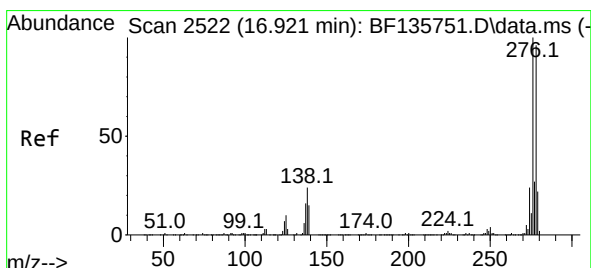
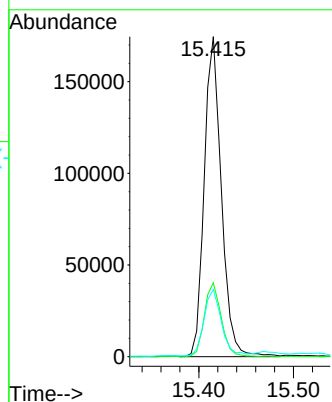
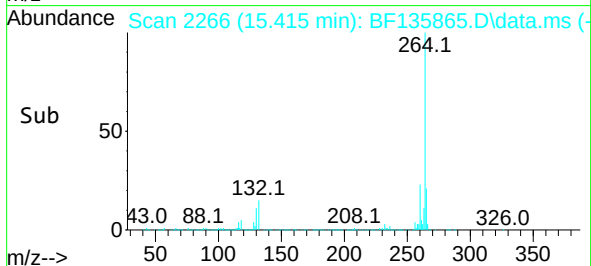
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21



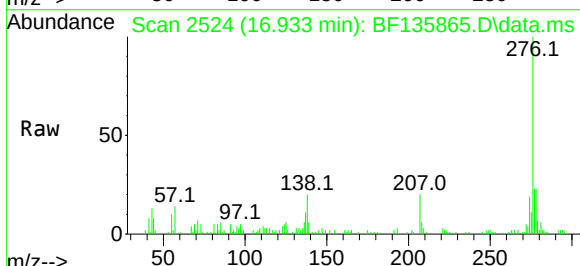
Tgt Ion:264 Resp: 21894
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.0 17.4 26.2

Manual Integrations
APPROVED

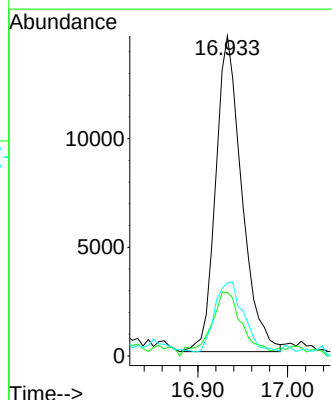
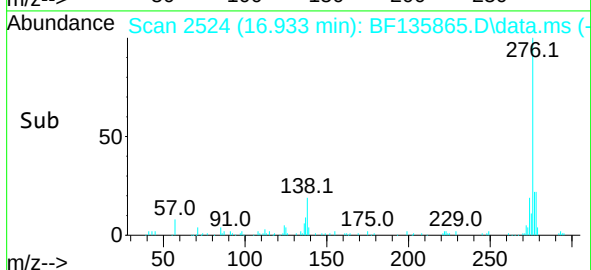
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

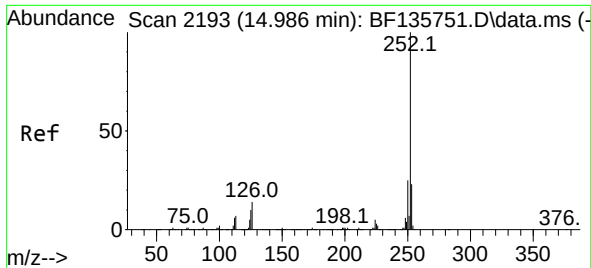


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.459 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29



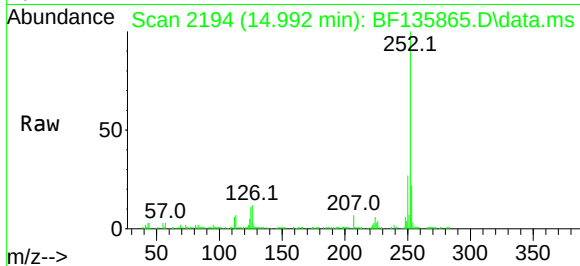
Tgt Ion:276 Resp: 29331
Ion Ratio Lower Upper
276 100
138 24.9 19.8 29.6
277 24.8 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 5.354 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

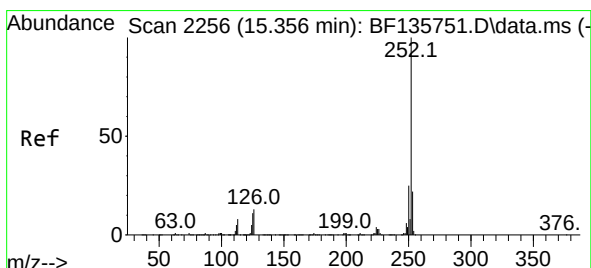
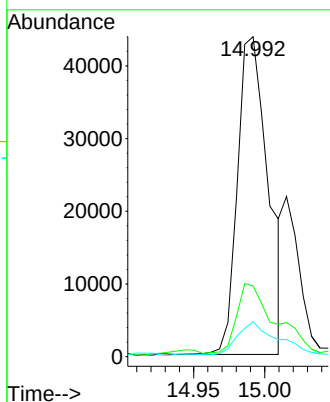
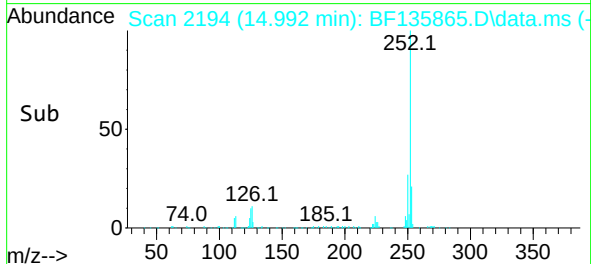
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21



Tgt Ion:252 Resp: 65608
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 10.9 8.2 12.2

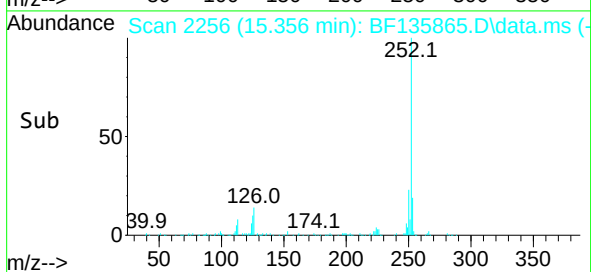
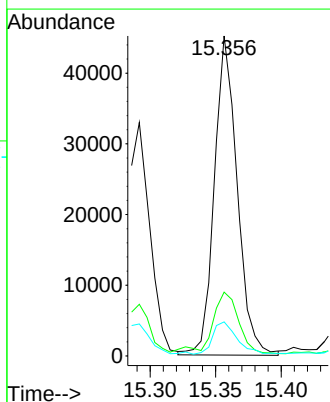
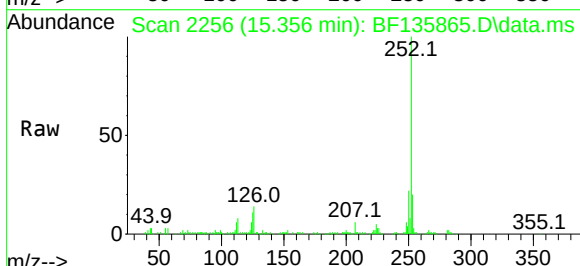
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APPROVED

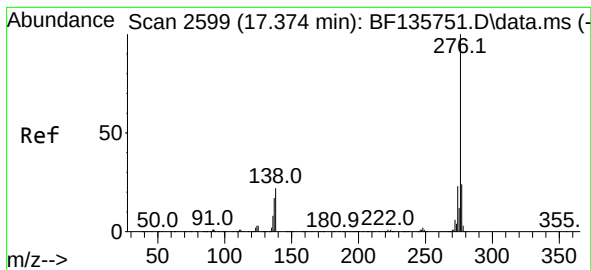
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#90
Benzo(a)pyrene
Concen: 4.737 ng
RT: 15.356 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF135865.D
Acq: 19 Oct 2023 00:29

Tgt Ion:252 Resp: 54582
Ion Ratio Lower Upper
252 100
253 20.0 17.4 26.2
125 10.7 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.935 ng

RT: 17.392 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135865.D

Acq: 19 Oct 2023 00:29

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21

Tgt Ion:276 Resp: 2948

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 19.7 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023

