

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136983.D
 Acq On : 05 Jan 2024 19:00
 Operator : CG\JU
 Sample : P1015-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-301P-0-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

Quant Time: Jan 05 22:52:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	54016	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	174829	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	80370	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	155569	20.000	ng	0.00
76) Chrysene-d12	13.969	240	139929	20.000	ng	0.00
86) Perylene-d12	15.463	264	106924	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	131329	37.935	ng	0.00
7) Phenol-d6	6.434	99	156070	34.792	ng	0.00
23) Nitrobenzene-d5	7.345	82	95017	27.811	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	35725	37.743	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	170148	28.474	ng	-0.02
79) Terphenyl-d14	12.904	244	196345	19.609	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.081	128	116010	12.079	ng	99
37) 2-Methylnaphthalene	8.775	142	27302	4.417	ng	95
71) Phenanthrene	11.333	178	156290	19.579	ng	99
72) Anthracene	11.386	178	32350	4.002	ng	96
73) Carbazole	11.551	167	19491	2.557	ng	97
75) Fluoranthene	12.533	202	284759	33.351	ng	98
78) Pyrene	12.763	202	254962	18.561	ng	100
81) Benzo(a)anthracene	13.957	228	125663	12.933	ng	99
83) Chrysene	13.998	228	115914	12.199	ng	94
87) Indeno(1,2,3-cd)pyrene	16.980	276	58186	7.537	ng	97
88) Benzo(b)fluoranthene	15.021	252	140320m	19.648	ng	
89) Benzo(k)fluoranthene	15.045	252	48512m	7.189	ng	
90) Benzo(a)pyrene	15.398	252	98988	16.421	ng	95
91) Dibenzo(a,h)anthracene	16.986	278	14526	2.294	ng	# 84
92) Benzo(g,h,i)perylene	17.439	276	61267	9.445	ng	96

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

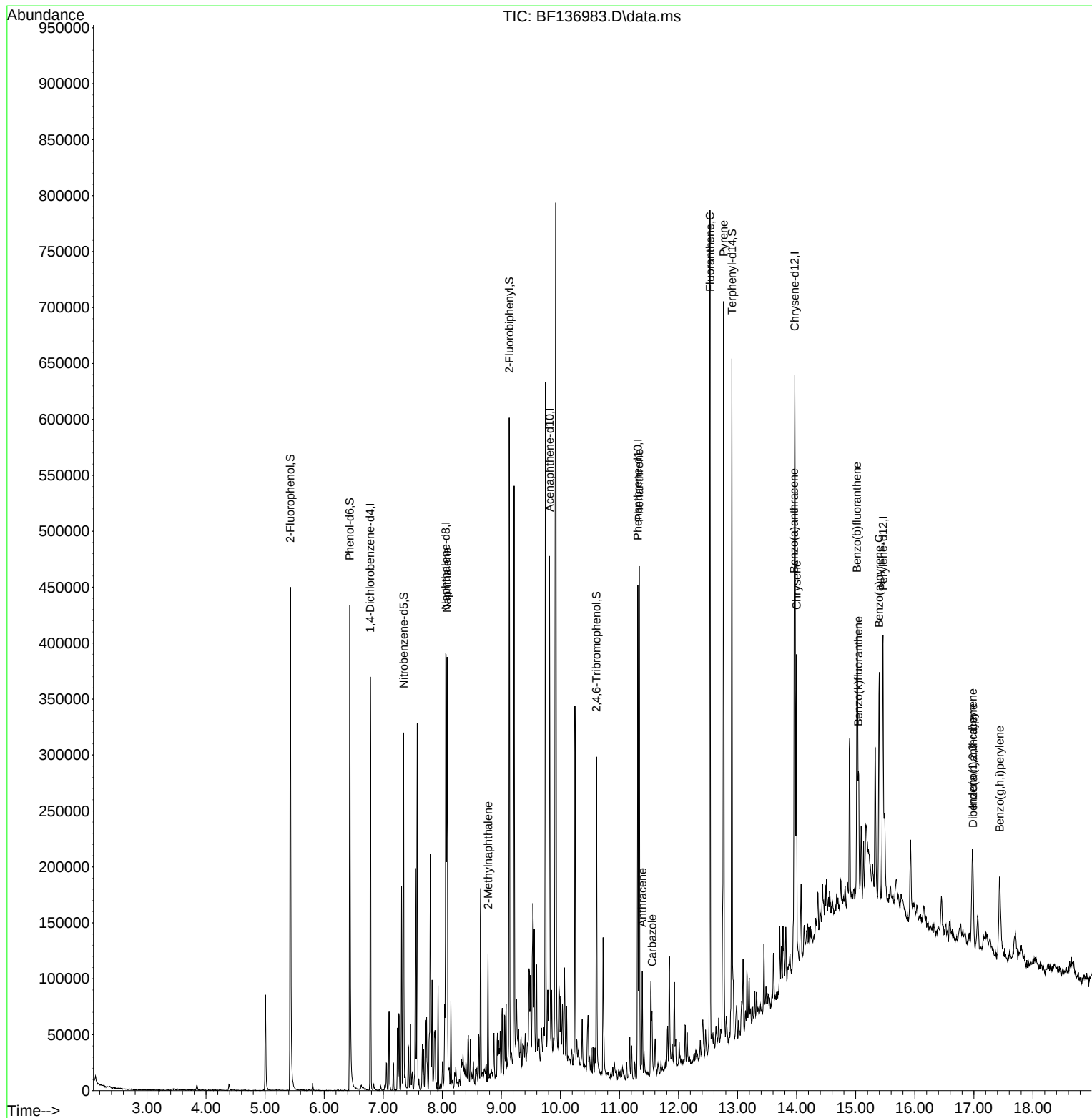
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
Data File : BF136983.D
Acq On : 05 Jan 2024 19:00
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ALS Vial : 18 Sample Multiplier: 1

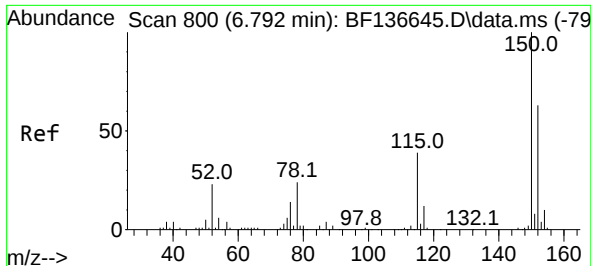
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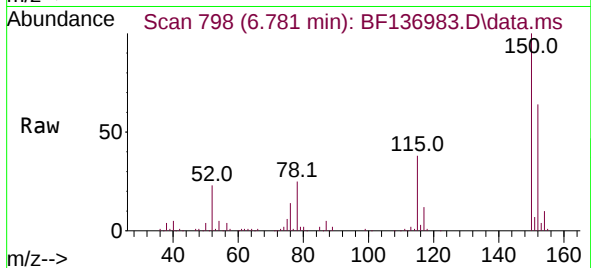
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

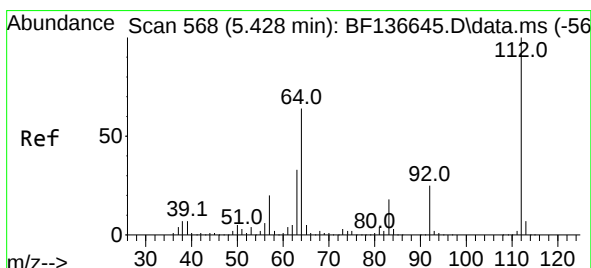
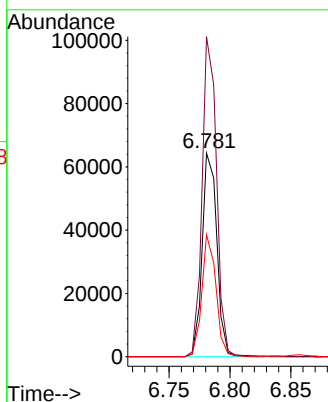
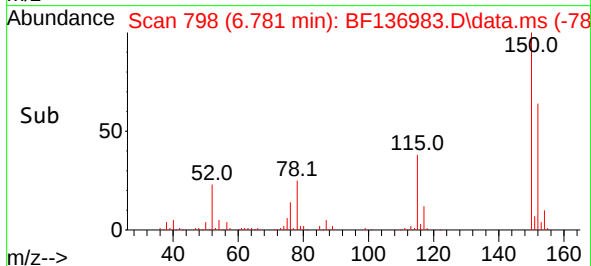
Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2



Tgt Ion:152 Resp: 54010
Ion Ratio Lower Upper
152 100
150 157.2 127.0 190.6
115 59.9 49.0 73.4

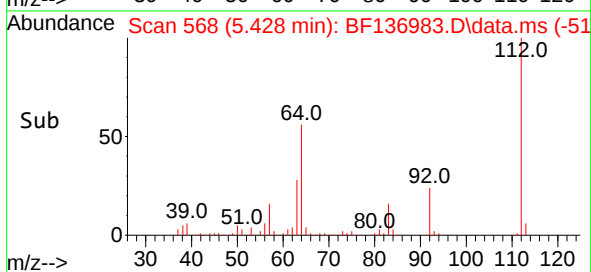
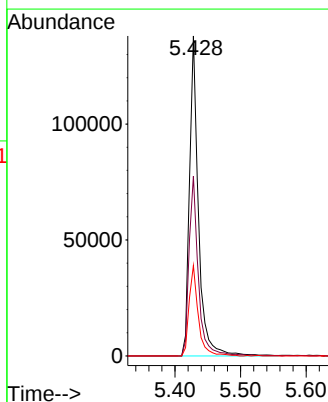
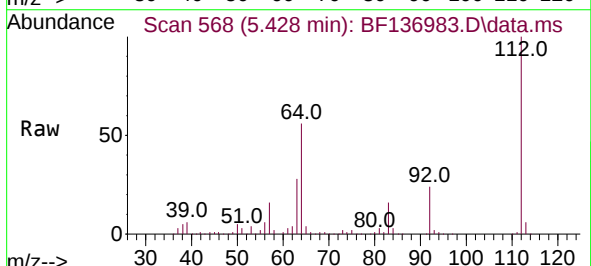
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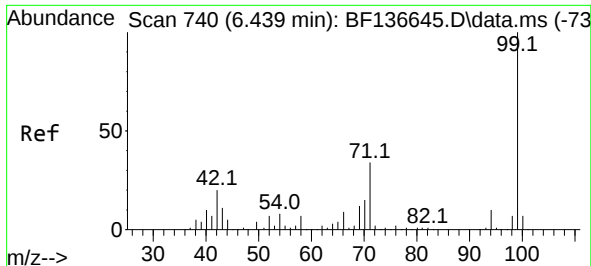
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 37.935 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:112 Resp: 131329
Ion Ratio Lower Upper
112 100
64 56.2 51.1 76.7
63 28.3 26.1 39.1





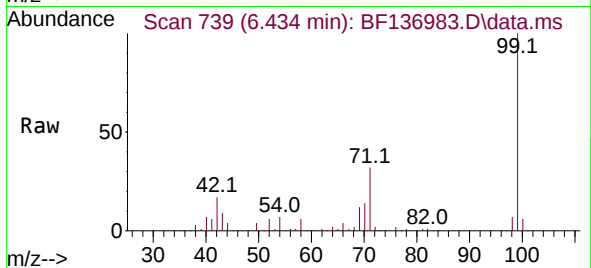
#7
Phenol-d6
Concen: 34.792 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

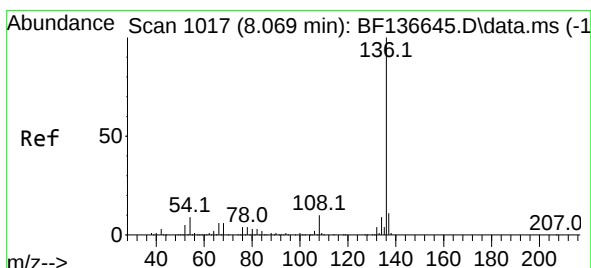
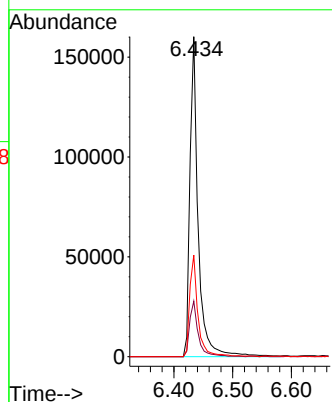
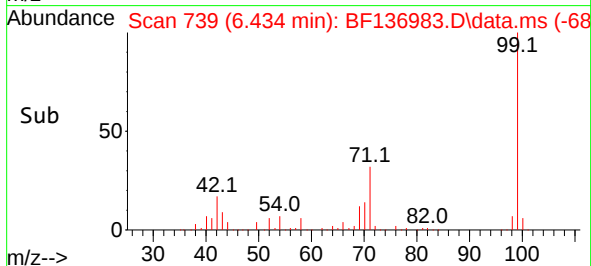


Tgt Ion: 99 Resp: 156070
Ion Ratio Lower Upper
99 100
42 17.3 16.1 24.1
71 31.7 27.4 41.2

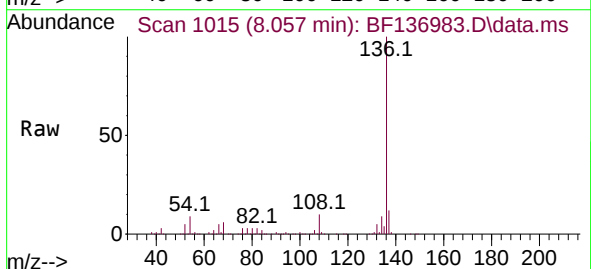
Manual Integrations

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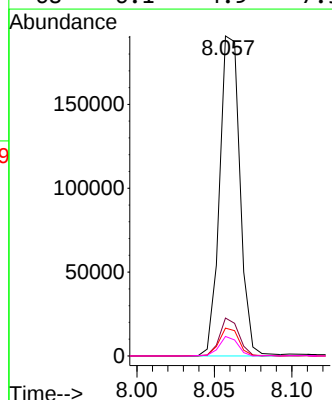
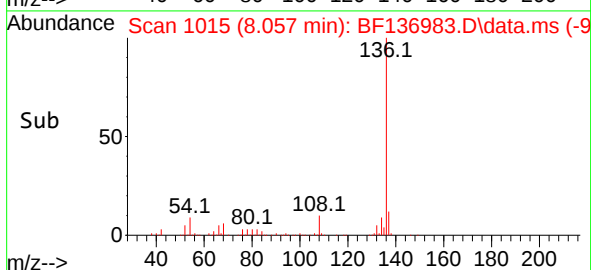
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

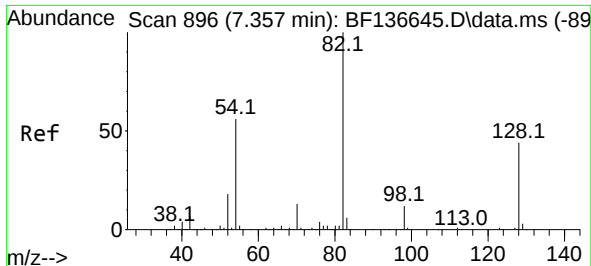


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00



Tgt Ion:136 Resp: 174829
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 8.7 7.2 10.8
68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 27.811 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

Tgt Ion: 82 Resp: 9501

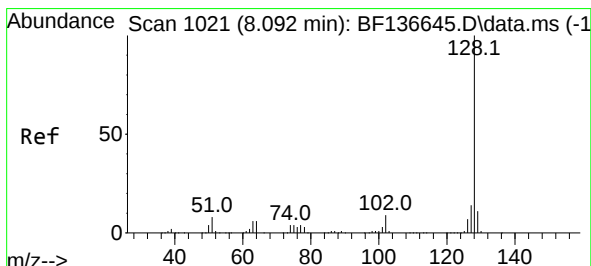
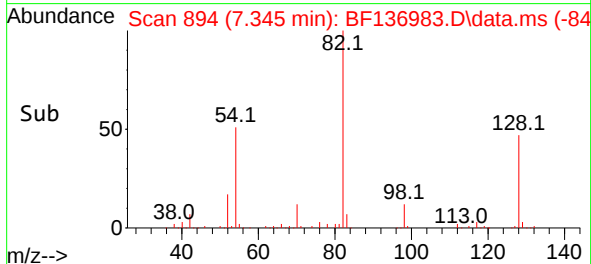
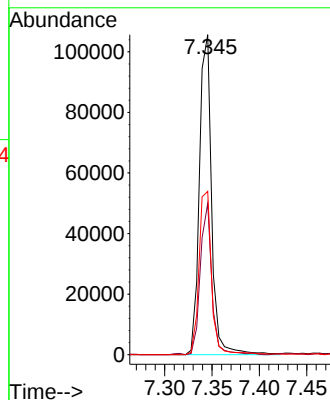
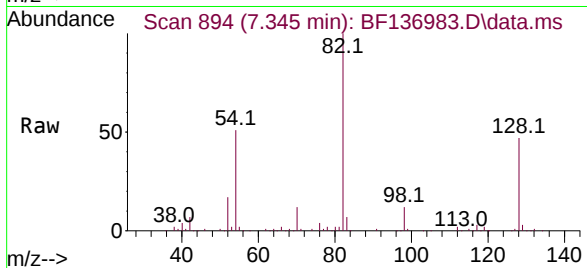
Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.3	52.9
54	51.1	44.5	66.7

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Supervised By :mohammad ahmed 01/06/2024



#31

Naphthalene

Concen: 12.079 ng

RT: 8.081 min Scan# 1019

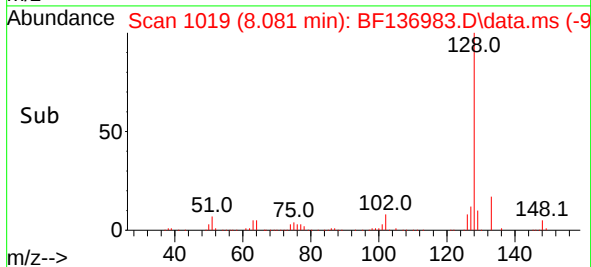
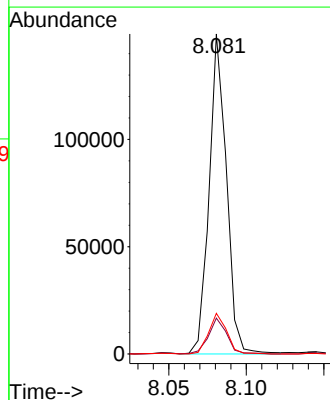
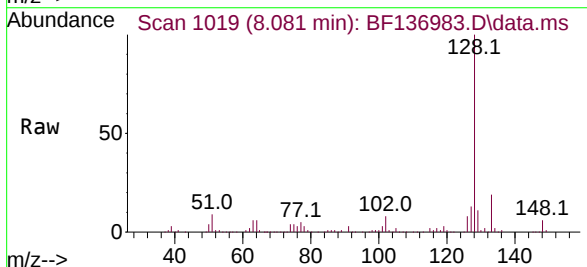
Delta R.T. -0.012 min

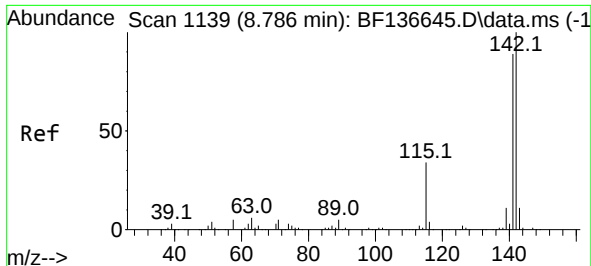
Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Tgt Ion:128 Resp: 116010

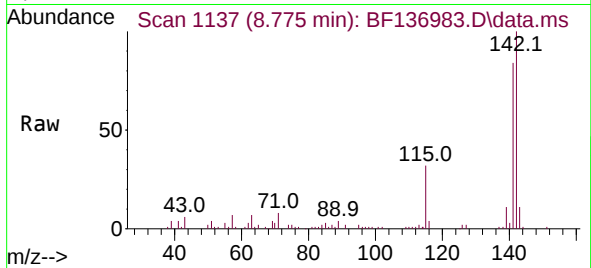
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.7	10.8	16.2





#37
2-Methylnaphthalene
Concen: 4.417 ng
RT: 8.775 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

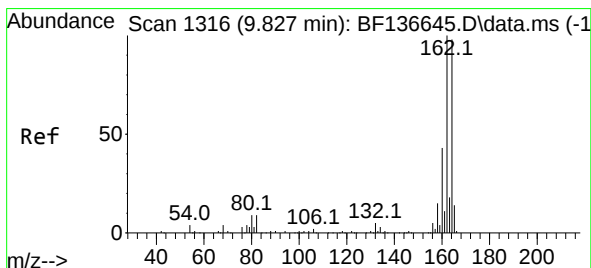
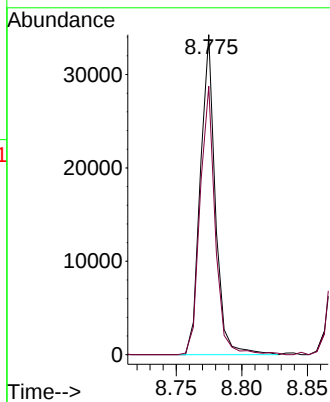
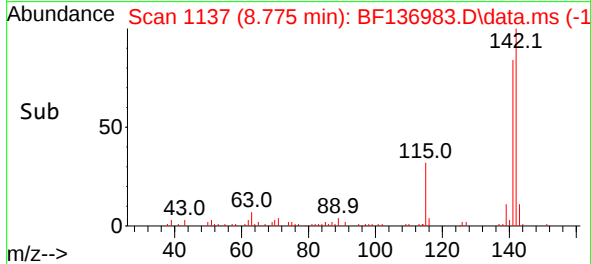
Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2



Tgt Ion:142 Resp: 27302
Ion Ratio Lower Upper
142 100
141 83.8 71.1 106.7

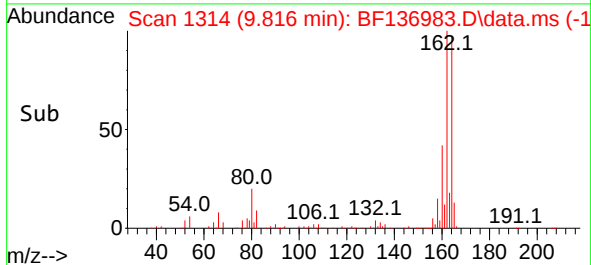
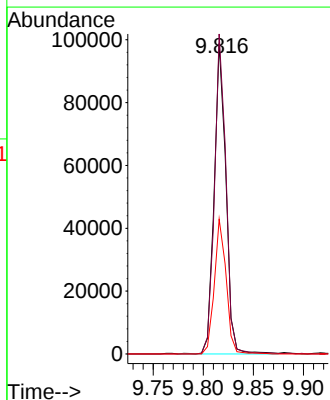
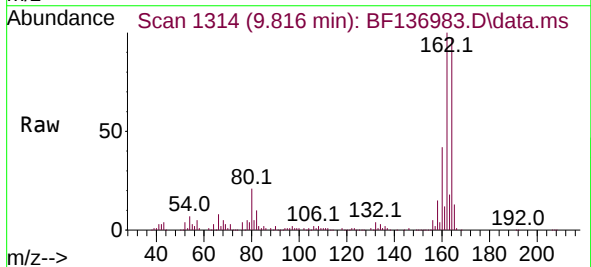
Manual Integrations
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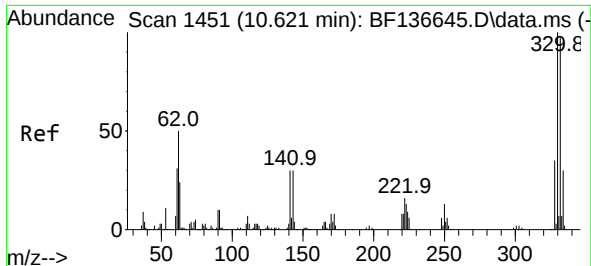
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:164 Resp: 80370
Ion Ratio Lower Upper
164 100
162 103.1 81.6 122.4
160 43.5 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 37.743 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

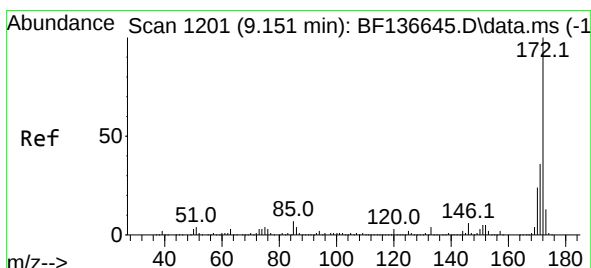
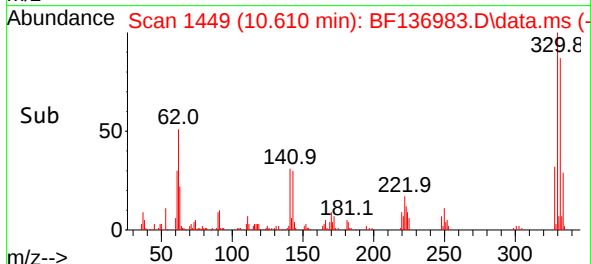
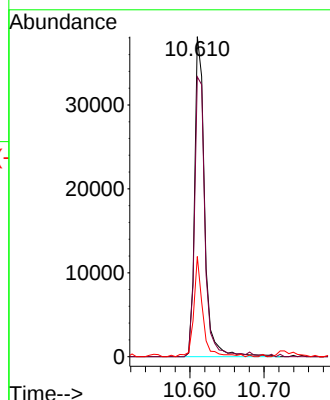
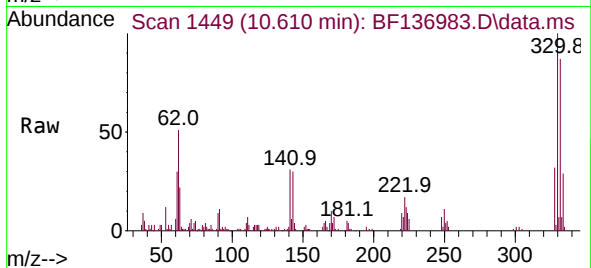
Tgt Ion:330 Resp: 35725
Ion Ratio Lower Upper
330 100
332 91.1 77.4 116.0
141 28.3 23.4 35.2

Manual Integrations

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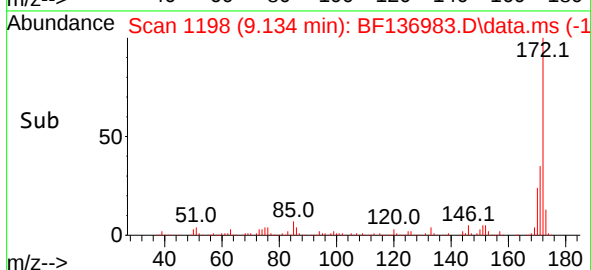
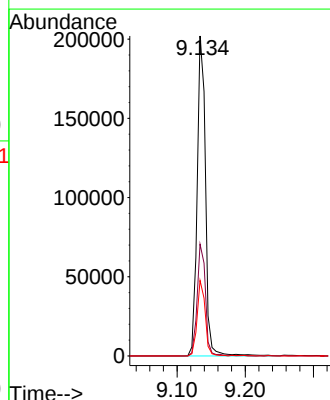
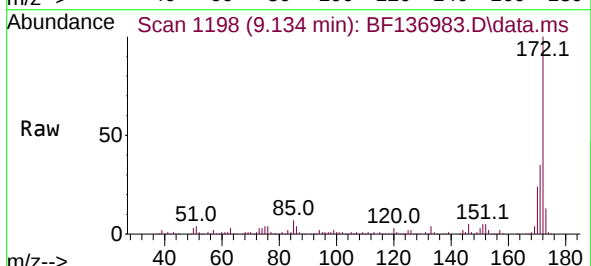
Reviewed By :Yogesh Patel 01/06/2024

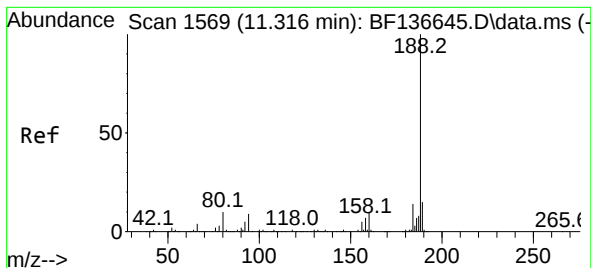
Supervised By :mohammad ahmed 01/06/2024



#45
2-Fluorobiphenyl
Concen: 28.474 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

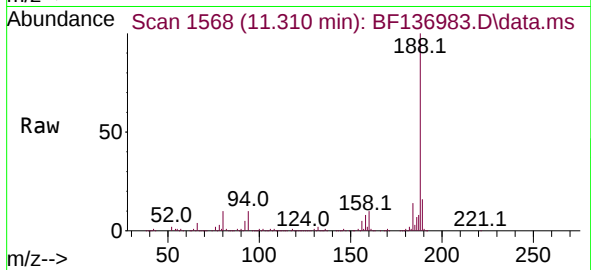
Tgt Ion:172 Resp: 170148
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.6
170 23.6 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

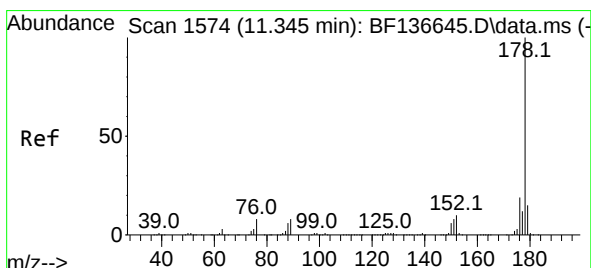
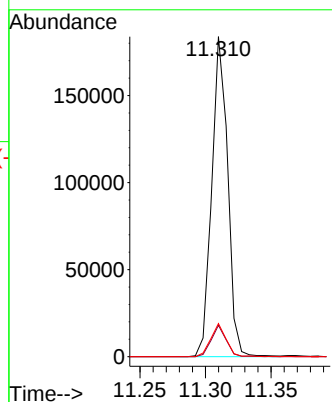
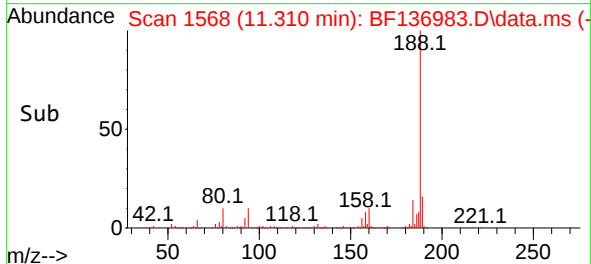
Instrument :
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ClientSampleId :
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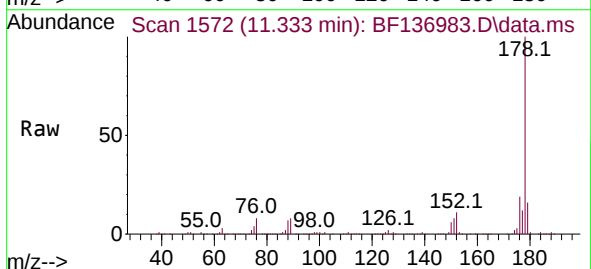
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Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.3 8.1 12.1

Manual Integrations
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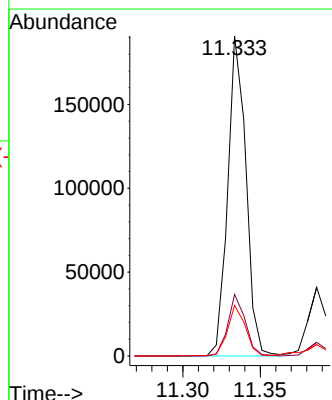
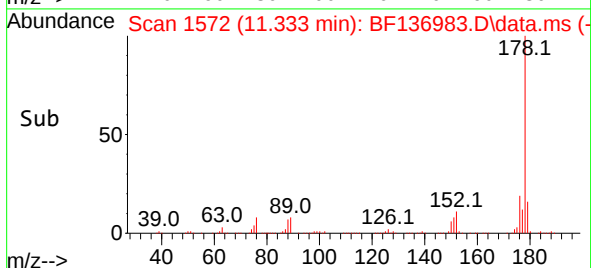
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

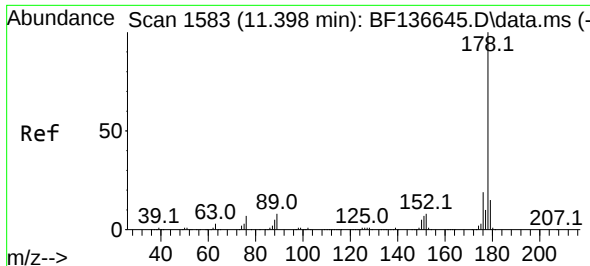


#71
Phenanthrene
Concen: 19.579 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00



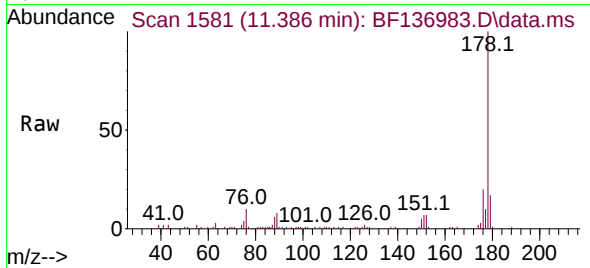
Tgt Ion:178 Resp: 156290
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.8 11.9 17.9





#72
 Anthracene
 Concen: 4.002 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136983.D
 Acq: 05 Jan 2024 19:00

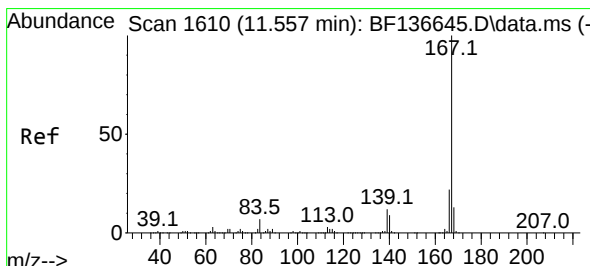
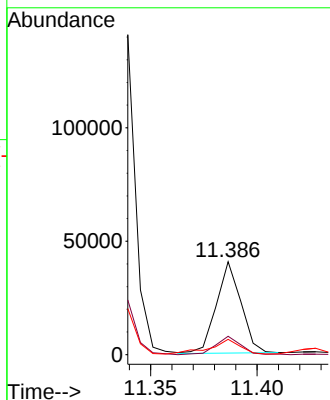
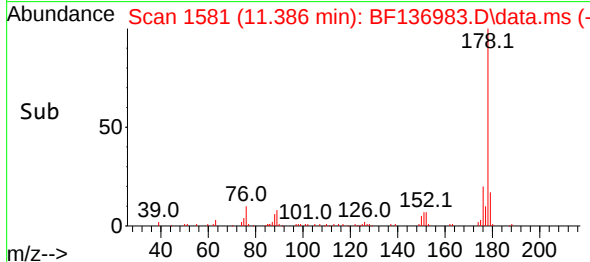
Instrument :
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 MR-301P-0-2



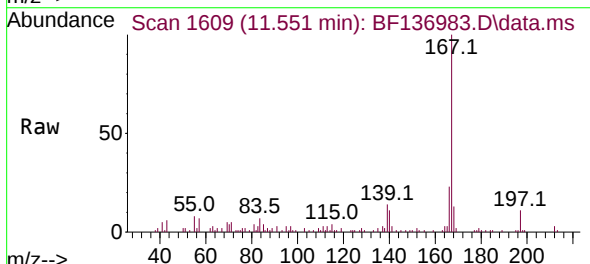
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 Ion Ratio Lower Upper
 178 100
 176 19.8 14.9 22.3
 179 16.6 11.8 17.6

Manual Integrations
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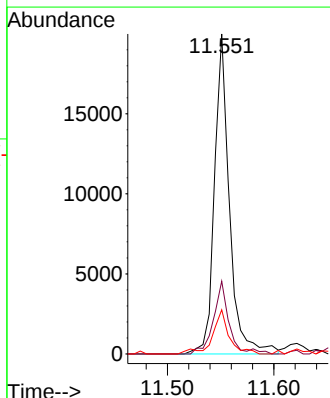
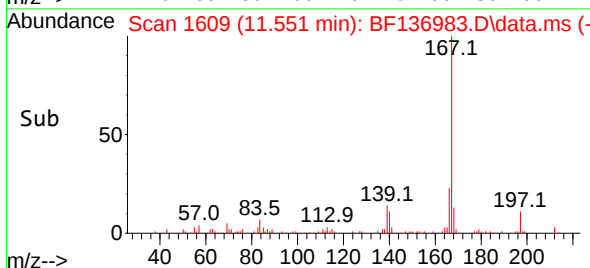
Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

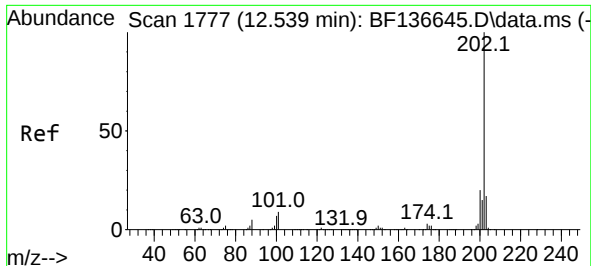


#73
 Carbazole
 Concen: 2.557 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF136983.D
 Acq: 05 Jan 2024 19:00



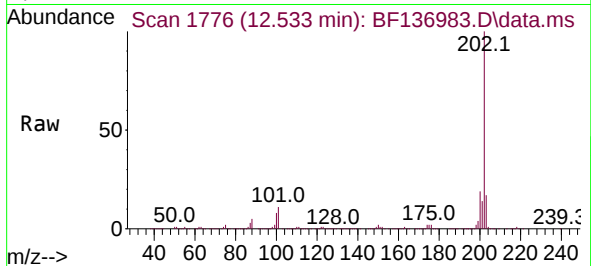
Tgt Ion:167 Resp: 19491
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.3 25.9
 139 13.8 9.8 14.6





#75
Fluoranthene
Concen: 33.351 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

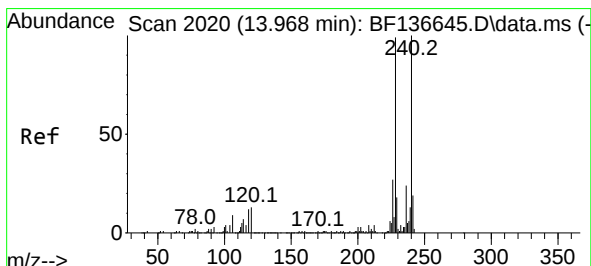
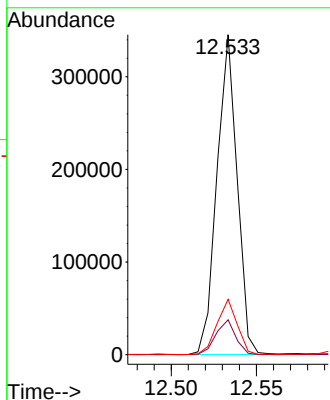
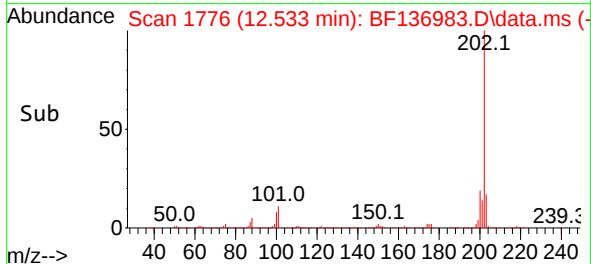
Instrument :
BNA_F
ClientSampleId :
MR-301P-0-2



Tgt Ion:202 Resp: 284759
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.3
203 17.3 0.0 37.1

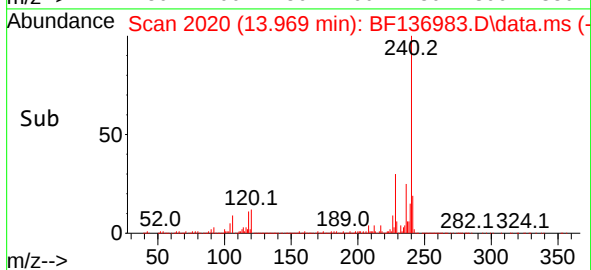
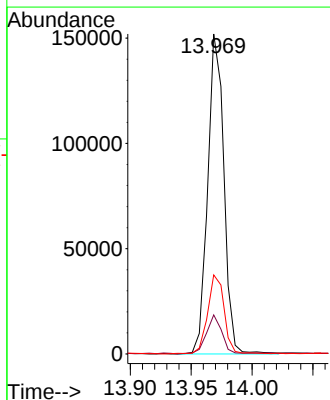
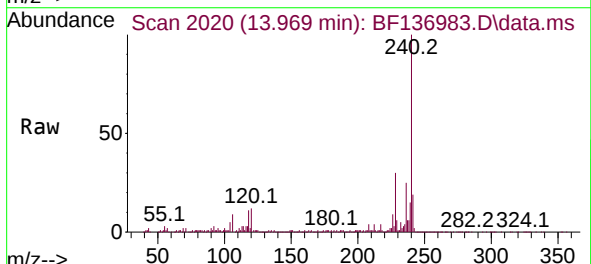
Manual Integrations
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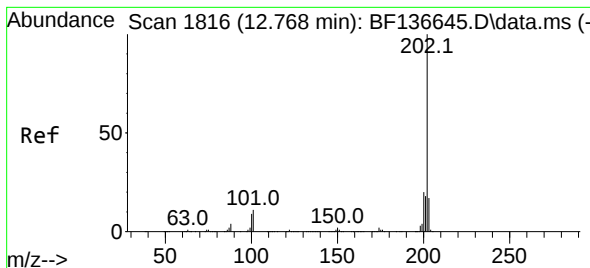
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:240 Resp: 139929
Ion Ratio Lower Upper
240 100
120 12.2 10.3 15.5
236 24.7 19.4 29.2





#78

Pyrene

Concen: 18.561 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

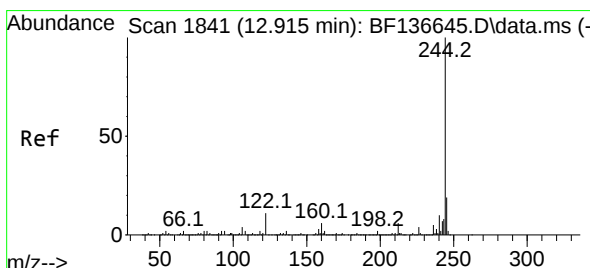
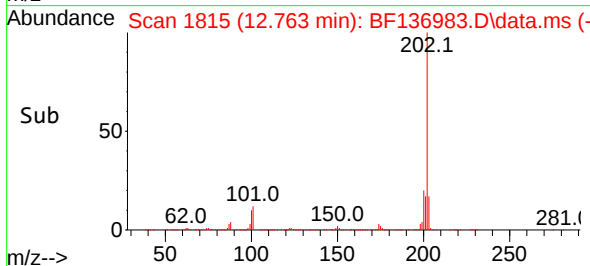
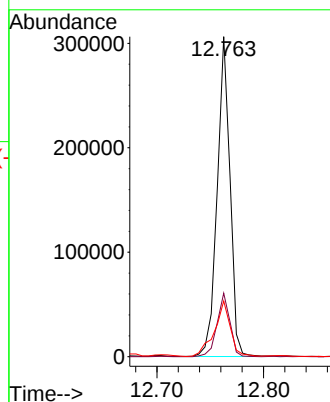
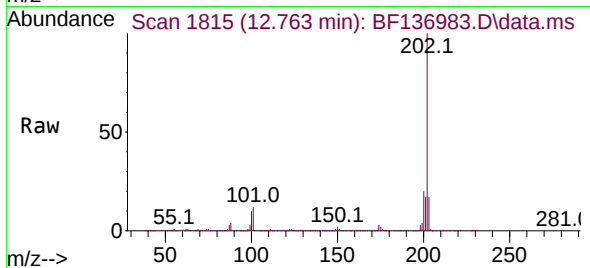
Tgt Ion:202 Resp: 254962
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.9 23.9
 203 17.4 13.8 20.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#79

Terphenyl-d14

Concen: 19.609 ng

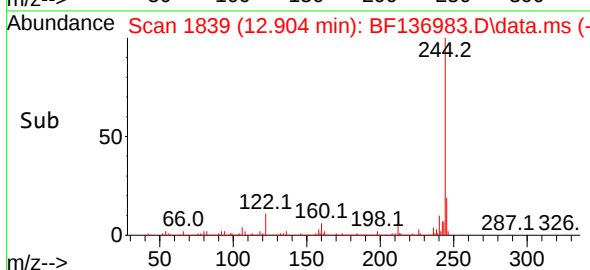
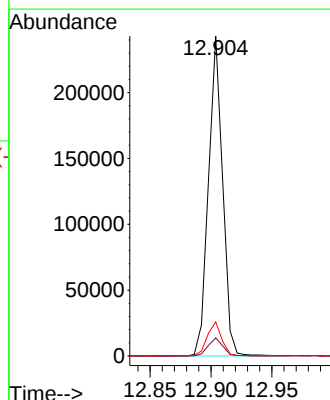
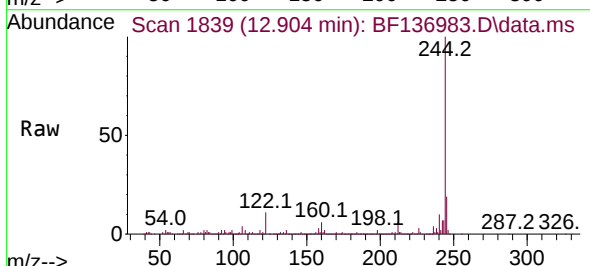
RT: 12.904 min Scan# 1839

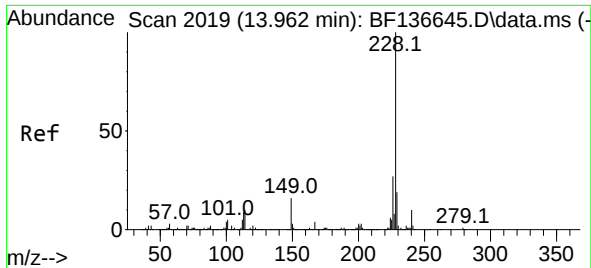
Delta R.T. -0.012 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Tgt Ion:244 Resp: 196345
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.0 7.4
 122 10.6 9.0 13.4





#81
Benzo(a)anthracene
Concen: 12.933 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

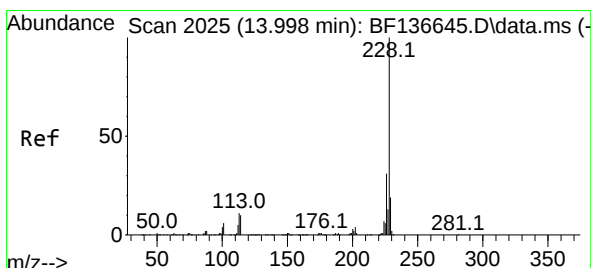
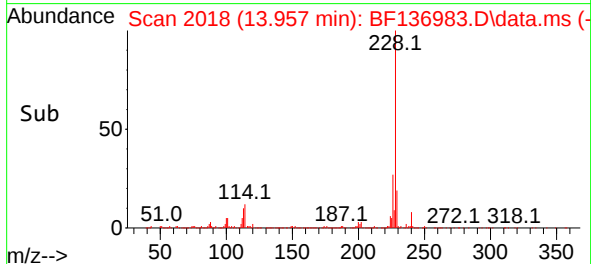
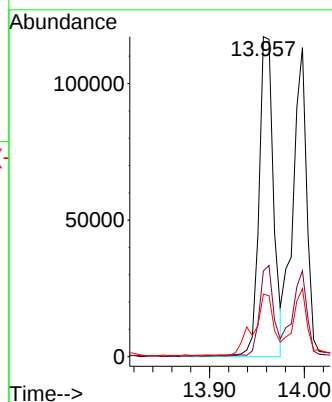
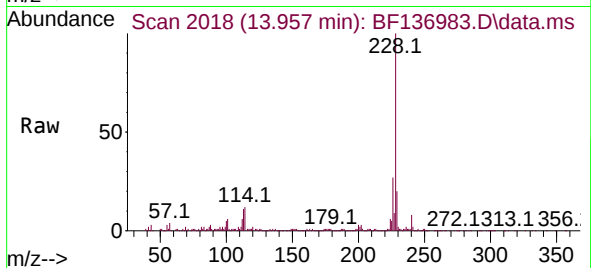
ClientSampleId :

MR-301P-0-2

Tgt Ion:228 Resp: 12566
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.0
229 19.6 14.9 22.3

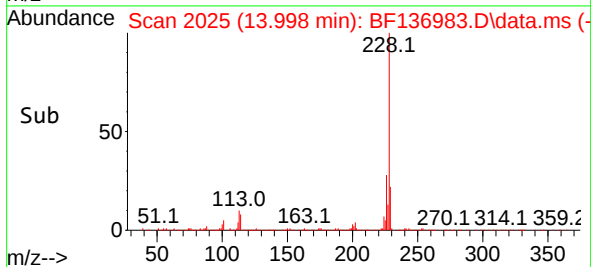
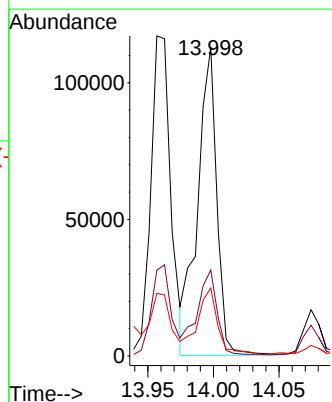
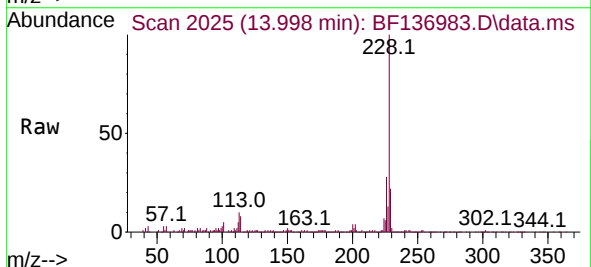
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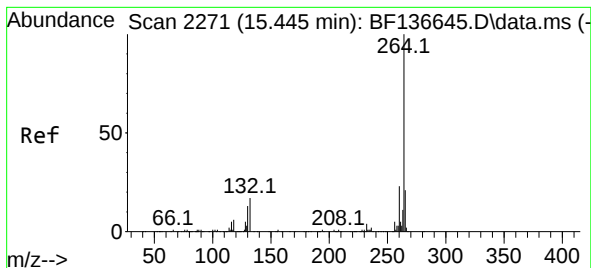
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#83
Chrysene
Concen: 12.199 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF136983.D
Acq: 05 Jan 2024 19:00

Tgt Ion:228 Resp: 115914
Ion Ratio Lower Upper
228 100
226 27.8 24.7 37.1
229 22.0 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

Tgt Ion:264 Resp: 106924

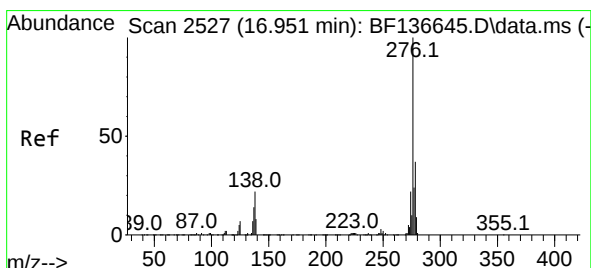
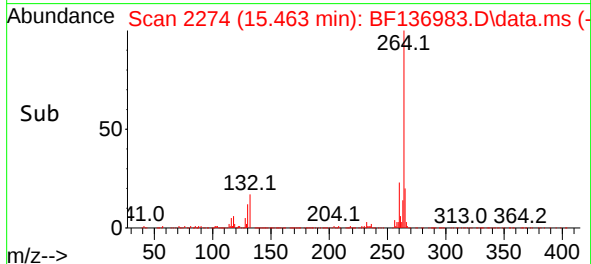
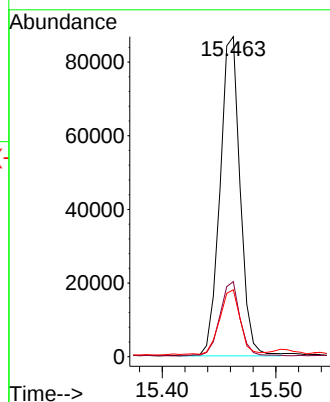
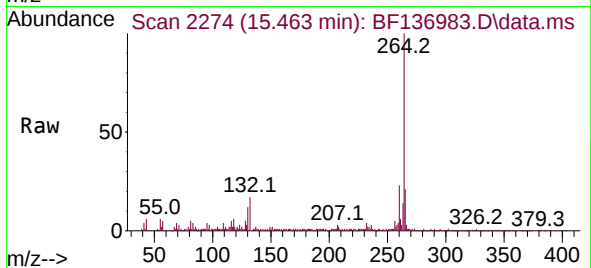
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	20.9	17.0	25.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.537 ng

RT: 16.980 min Scan# 2532

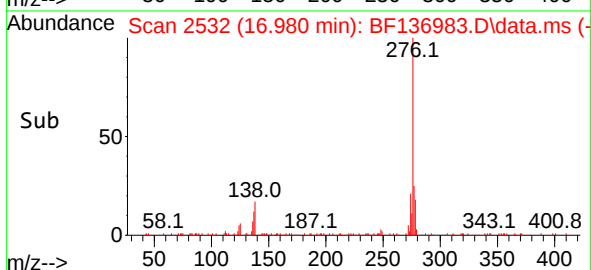
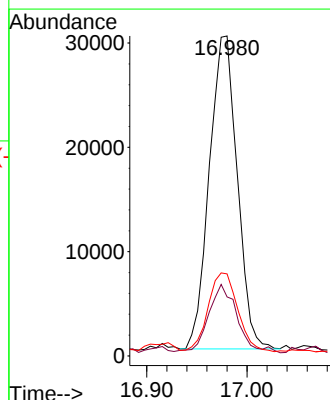
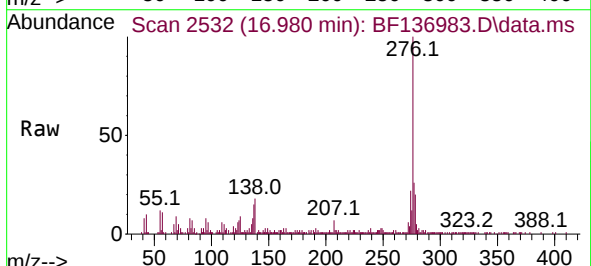
Delta R.T. 0.030 min

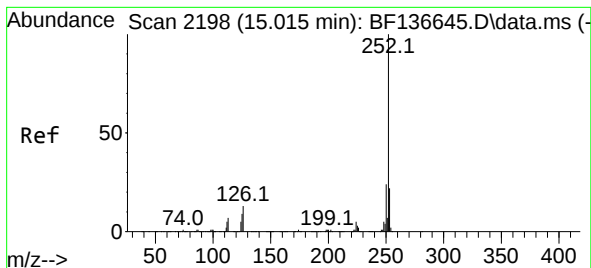
Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Tgt Ion:276 Resp: 58186

Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.7	28.1
277	26.9	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 19.648 ng m

RT: 15.021 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

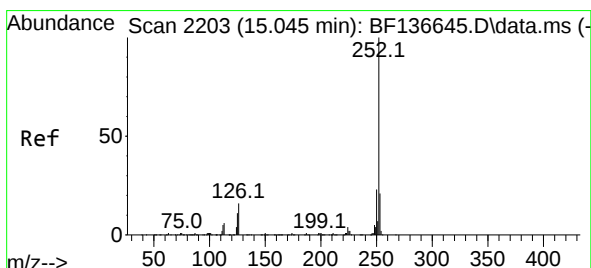
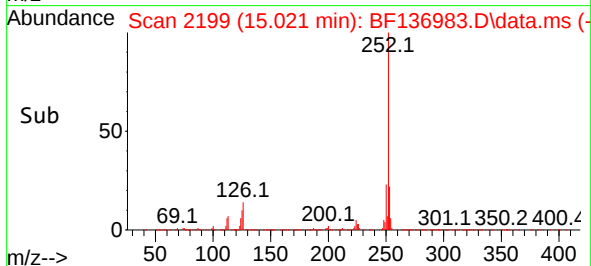
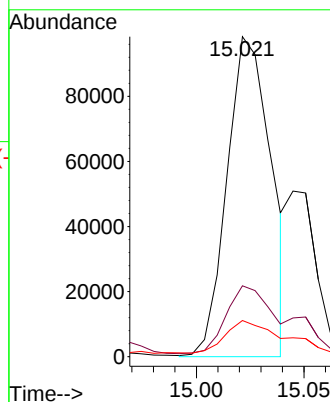
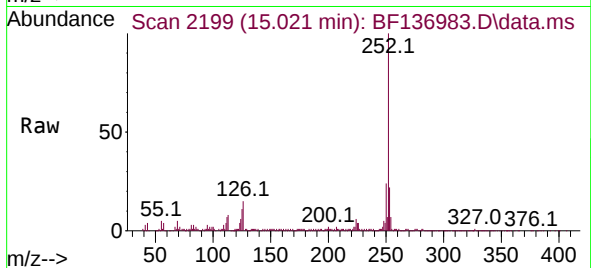
Tgt Ion:252 Resp: 140320
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.0
 125 11.3 7.4 11.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#89

Benzo(k)fluoranthene

Concen: 7.189 ng m

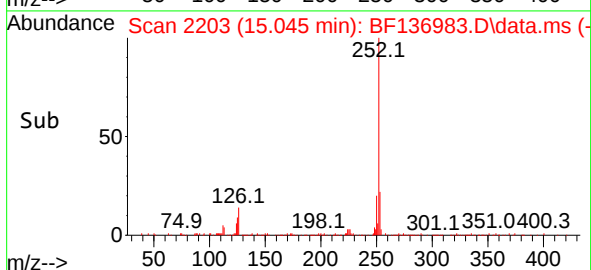
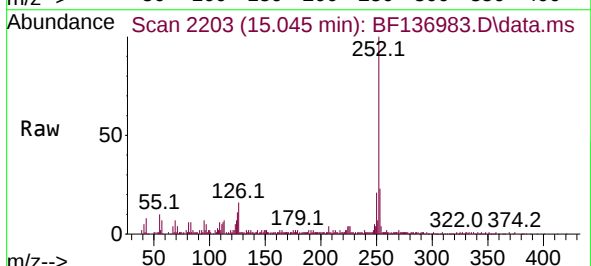
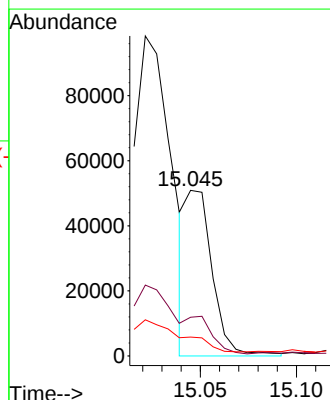
RT: 15.045 min Scan# 2203

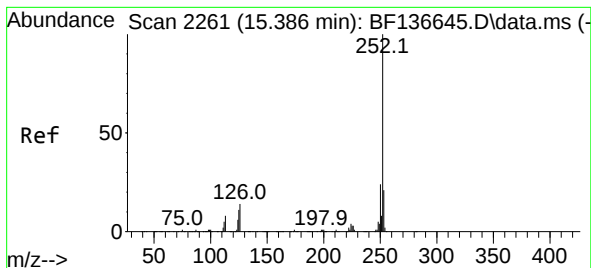
Delta R.T. 0.000 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Tgt Ion:252 Resp: 48512
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.0 25.6
 125 11.4 8.2 12.4





#90

Benzo(a)pyrene

Concen: 16.421 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2

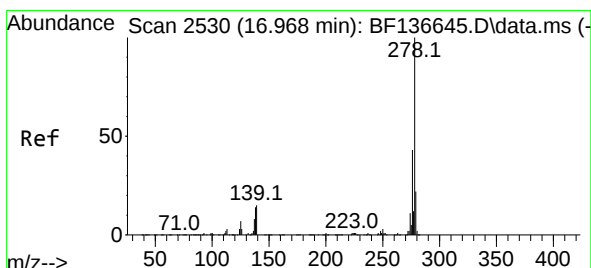
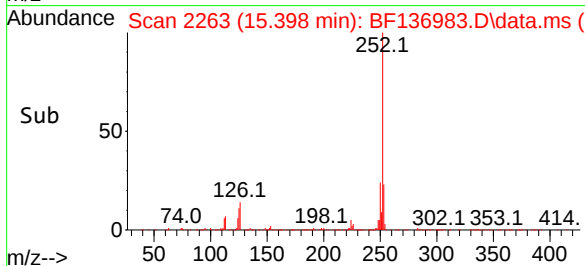
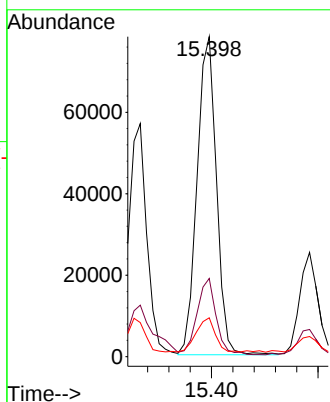
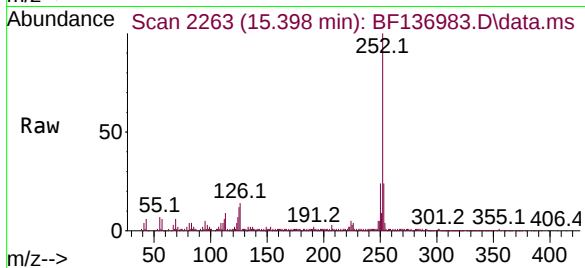
Tgt Ion:	252	Resp:	9898
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.0	25.6
125	12.2	8.8	13.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.294 ng

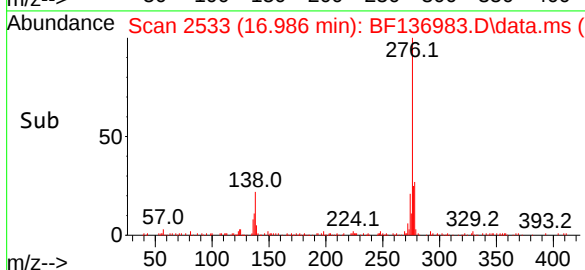
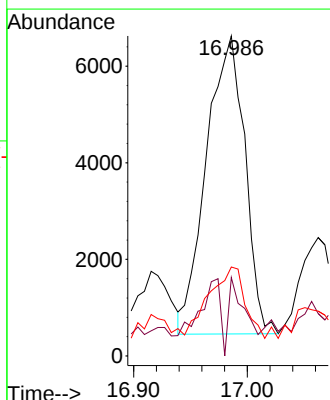
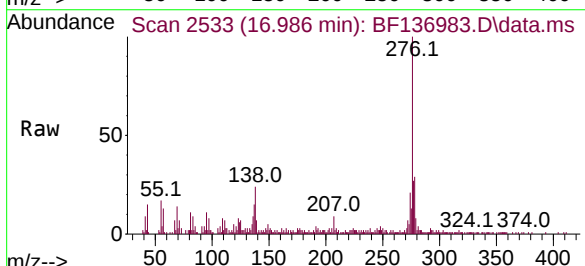
RT: 16.986 min Scan# 2533

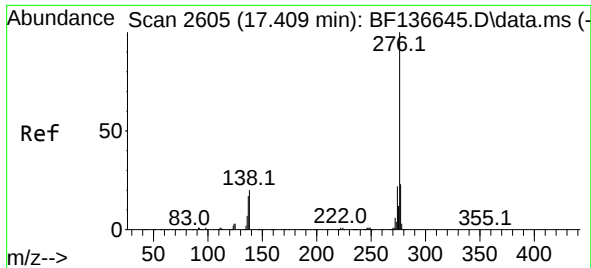
Delta R.T. 0.018 min

Lab File: BF136983.D

Acq: 05 Jan 2024 19:00

Tgt Ion:	278	Resp:	14526
Ion Ratio	Lower	Upper	
278	100		
139	24.5	12.2	18.4#
279	27.8	17.8	26.6#





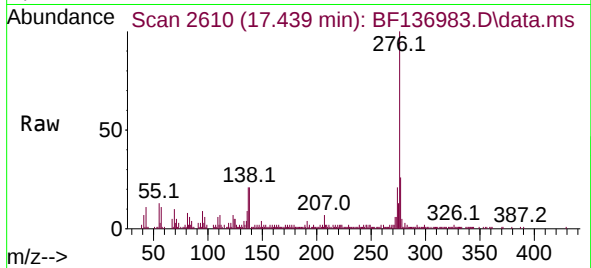
#92
 Benzo(g,h,i)perylene
 Concen: 9.445 ng
 RT: 17.439 min Scan# 20
 Delta R.T. 0.030 min
 Lab File: BF136983.D
 Acq: 05 Jan 2024 19:00

Instrument :

BNA_F

ClientSampleId :

MR-301P-0-2



Tgt Ion:276 Resp: 6126
 Ion Ratio Lower Upper
 276 100
 277 25.8 18.3 27.5
 138 20.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024

