

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136978.D
 Acq On : 05 Jan 2024 16:23
 Operator : CG\JU
 Sample : P1003-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Manual Integrations
 APPROVED

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

Quant Time: Jan 05 16:44:57 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	54600	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	190540	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	87664	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	145944	20.000	ng	0.00
76) Chrysene-d12	13.968	240	130488	20.000	ng	0.00
86) Perylene-d12	15.457	264	149982	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	273813	78.247	ng	0.00
7) Phenol-d6	6.434	99	322411	71.105	ng	0.00
23) Nitrobenzene-d5	7.345	82	208452	55.981	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	76317	73.919	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	361180	55.414	ng	-0.02
79) Terphenyl-d14	12.904	244	317429	33.995	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	85328	11.395	ng	100
72) Anthracene	11.386	178	19395	2.557	ng	99
75) Fluoranthene	12.527	202	176793	22.071	ng	97
78) Pyrene	12.763	202	183383	14.316	ng	98
81) Benzo(a)anthracene	13.957	228	97018	10.707	ng	95
83) Chrysene	13.992	228	89341	10.083	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	43618	4.028	ng	96
88) Benzo(b)fluoranthene	15.021	252	120412m	12.020	ng	
89) Benzo(k)fluoranthene	15.045	252	31648m	3.343	ng	
90) Benzo(a)pyrene	15.392	252	79241	9.371	ng	96
92) Benzo(g,h,i)perylene	17.427	276	41586	4.570	ng	98

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

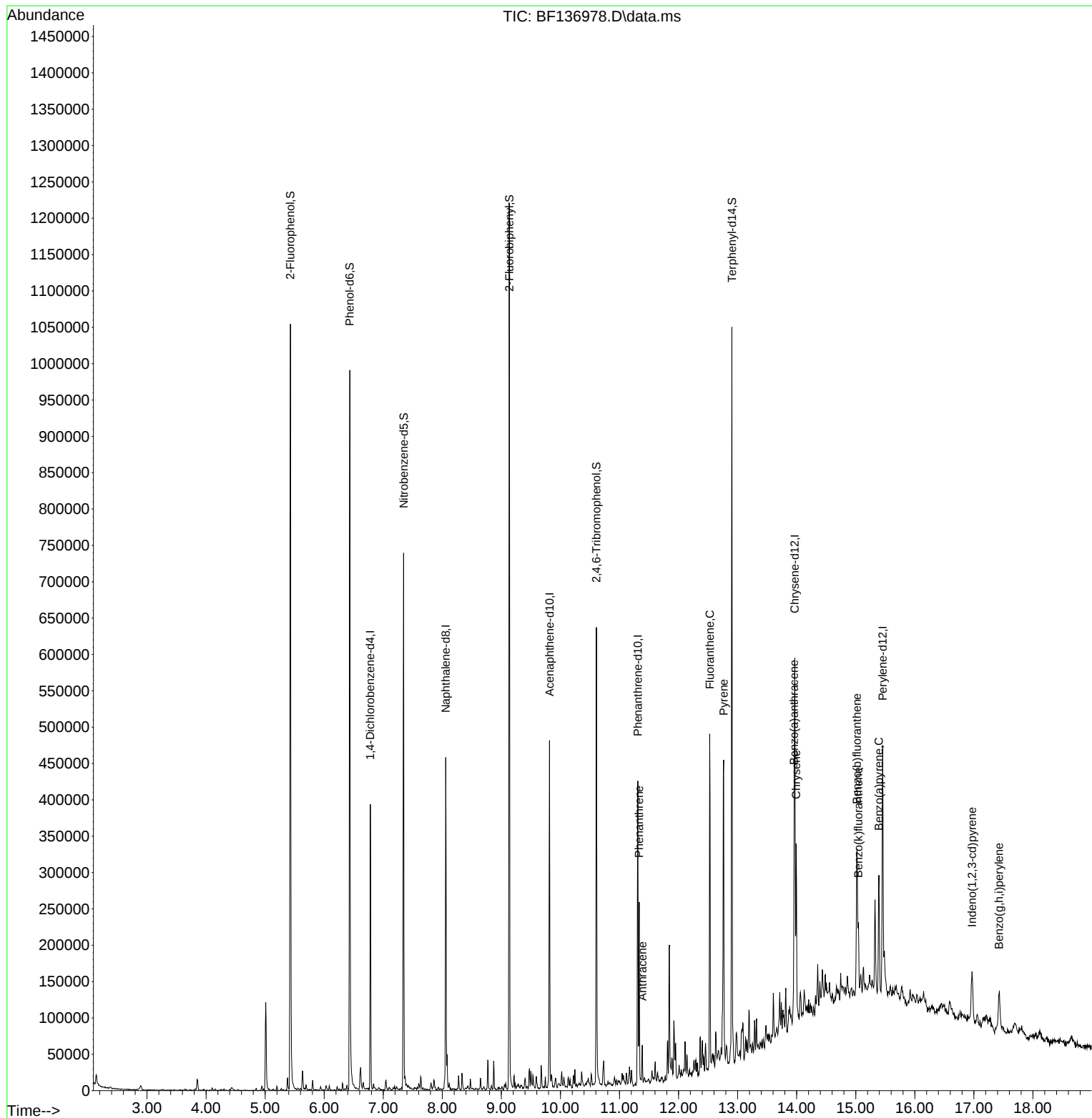
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
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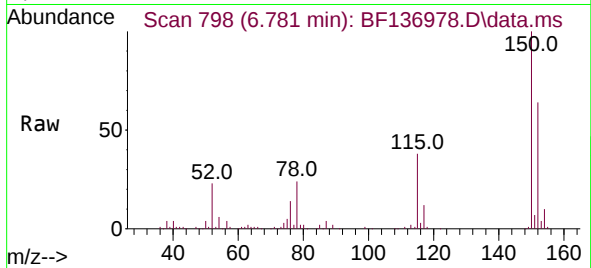
Quant Time: Jan 05 16:44:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

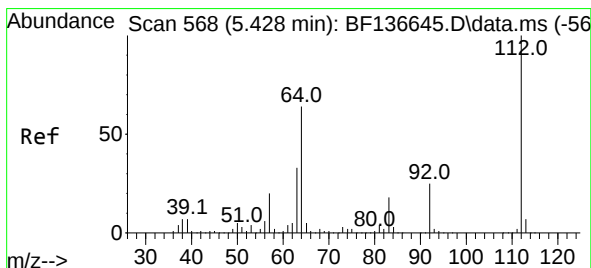
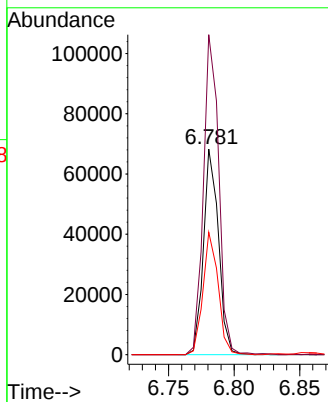
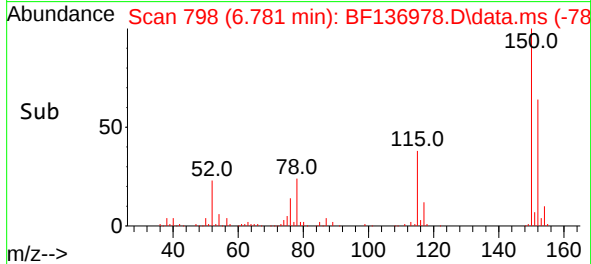
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:152 Resp: 54600
Ion Ratio Lower Upper
152 100
150 155.7 127.0 190.6
115 59.6 49.0 73.4

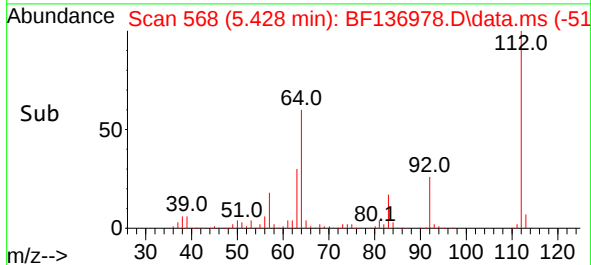
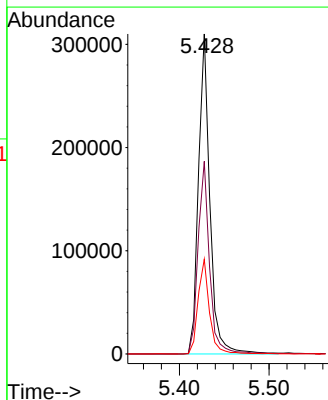
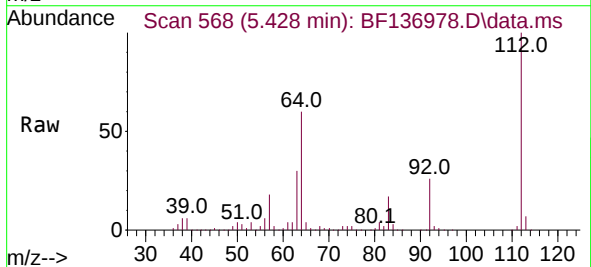
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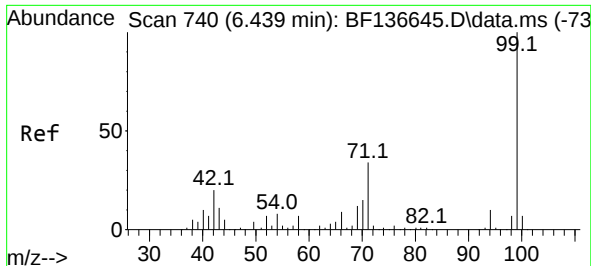
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 78.247 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

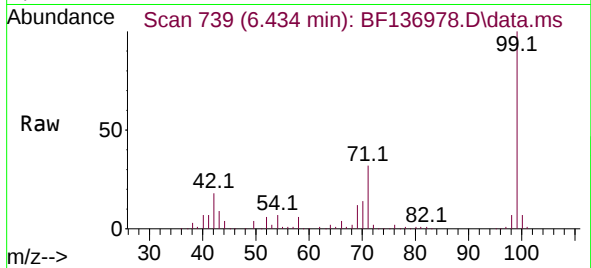
Tgt Ion:112 Resp: 273813
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 29.6 26.1 39.1





#7
Phenol-d6
Concen: 71.105 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

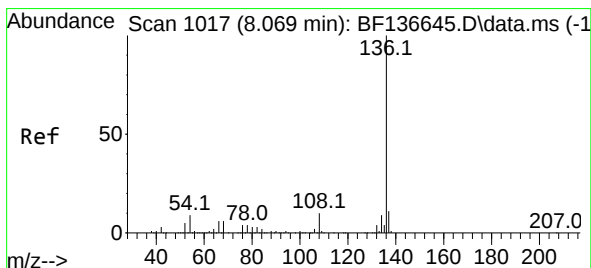
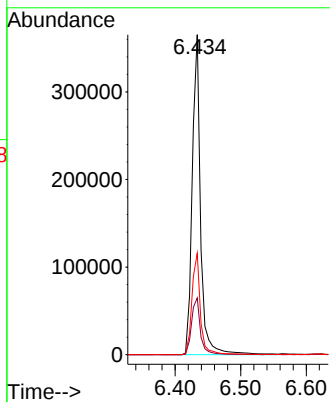
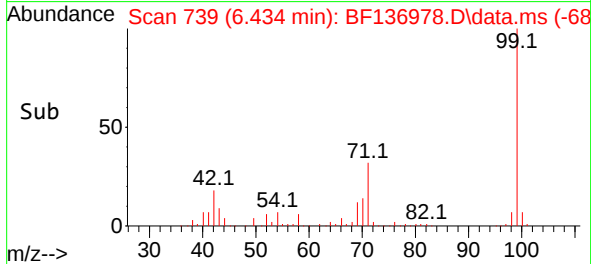
Instrument :
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ClientSampleId :
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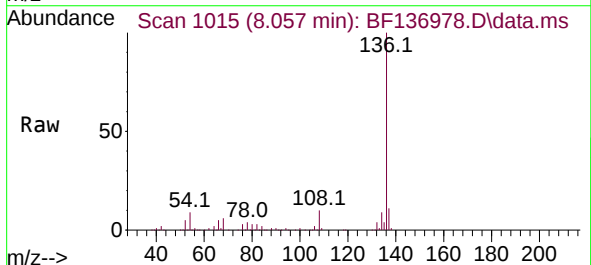
Tgt Ion: 99 Resp: 32241
Ion Ratio Lower Upper
99 100
42 17.8 16.1 24.1
71 31.7 27.4 41.2

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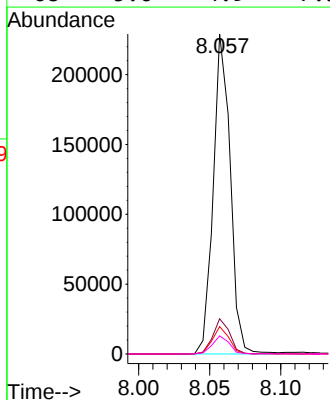
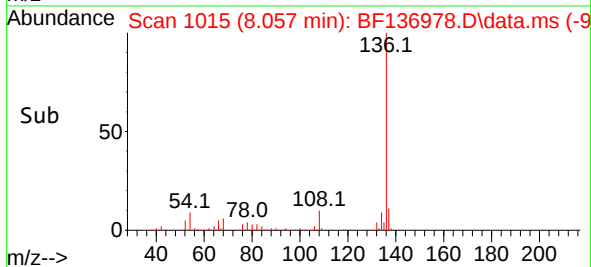
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

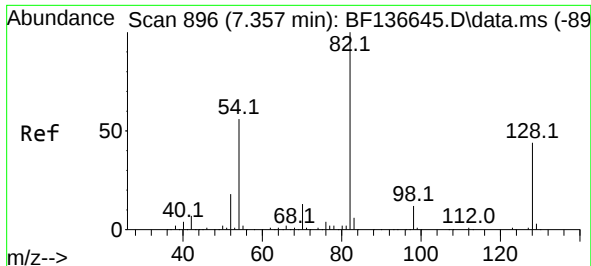


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23



Tgt Ion:136 Resp: 190540
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.6 7.2 10.8
68 5.6 4.9 7.3





#23

Nitrobenzene-d5

Concen: 55.981 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136978.D

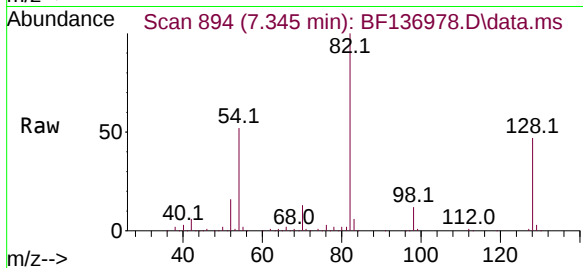
Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978



Tgt Ion: 82 Resp: 20845

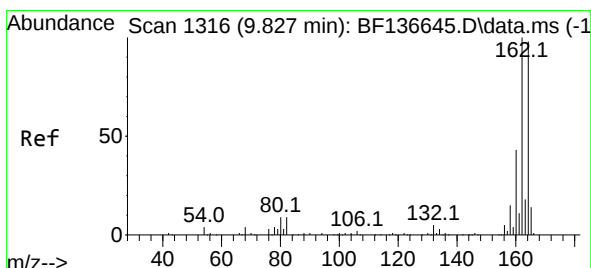
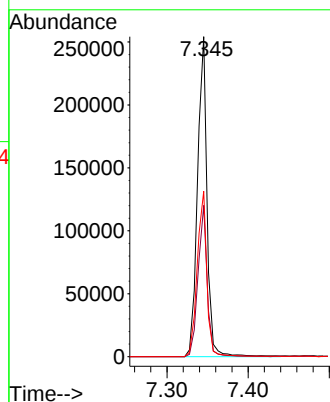
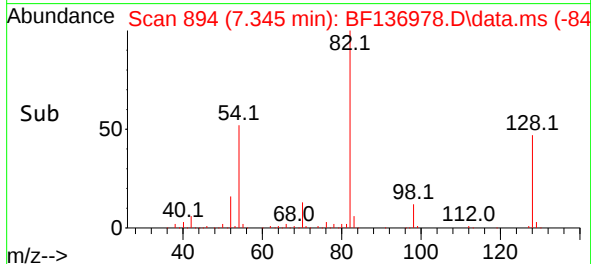
Ion	Ratio	Lower	Upper
82	100		
128	47.3	35.3	52.9
54	51.7	44.5	66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

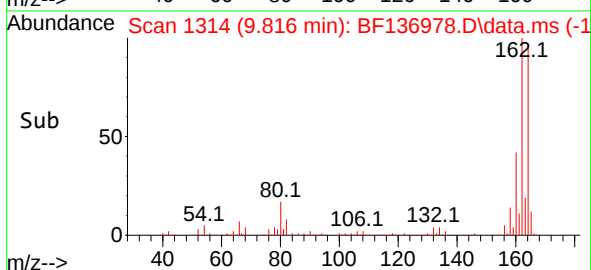
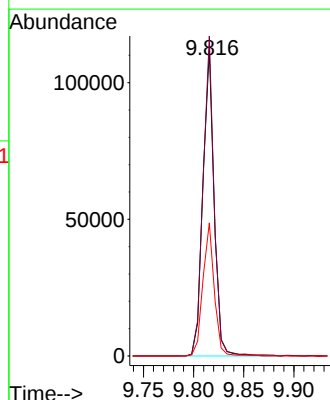
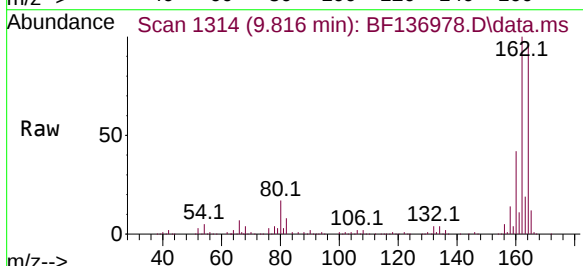
Delta R.T. -0.012 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Tgt Ion:164 Resp: 87664

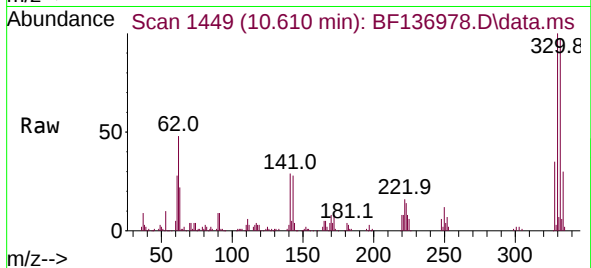
Ion	Ratio	Lower	Upper
164	100		
162	104.7	81.6	122.4
160	43.6	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 73.919 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

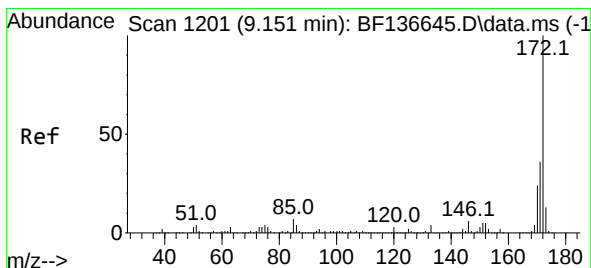
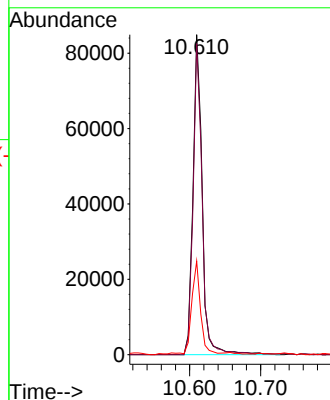
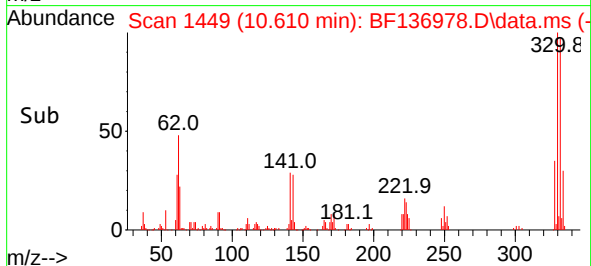
Instrument :
BNA_F
ClientSampleId :
72-11978



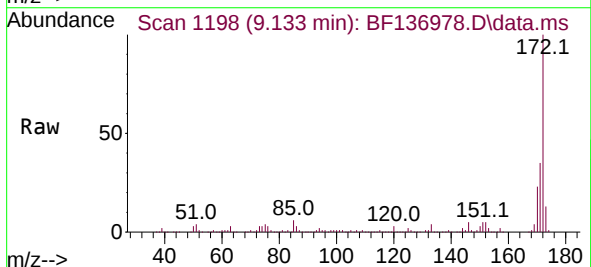
Tgt Ion:330 Resp: 7631
Ion Ratio Lower Upper
330 100
332 95.3 77.4 116.0
141 28.9 23.4 35.2

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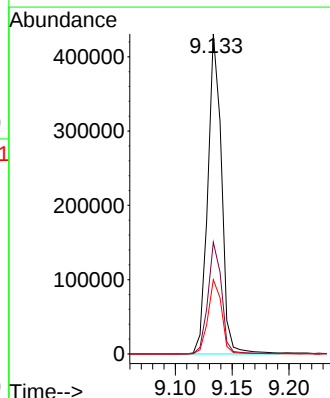
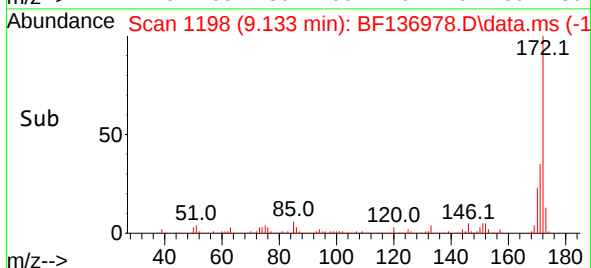
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

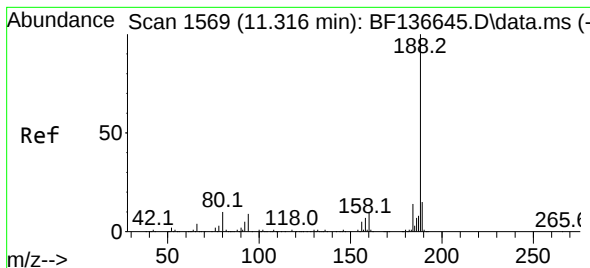


#45
2-Fluorobiphenyl
Concen: 55.414 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23



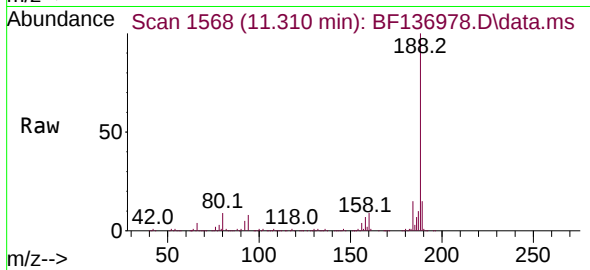
Tgt Ion:172 Resp: 361180
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.6
170 23.2 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

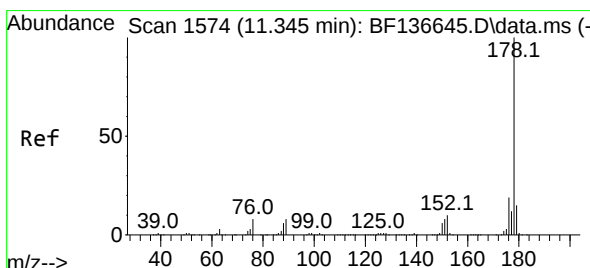
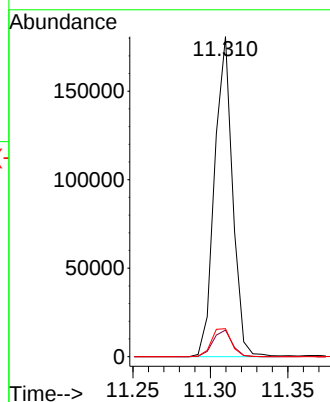
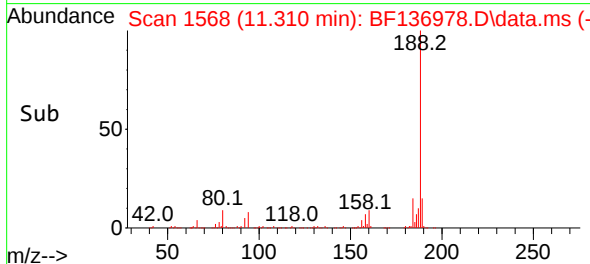
Instrument :
BNA_F
ClientSampleId :
72-11978



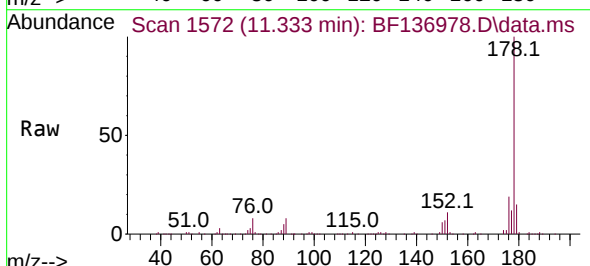
Tgt Ion:188 Resp: 145944
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 8.7 8.1 12.1

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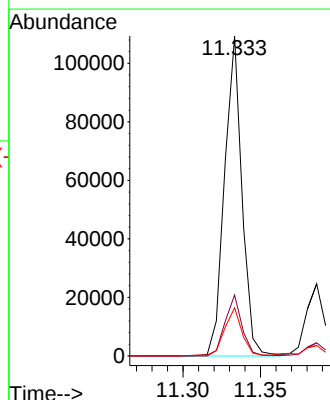
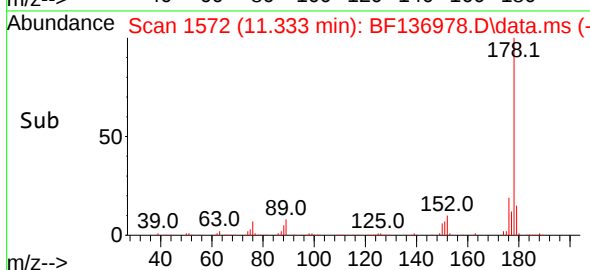
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

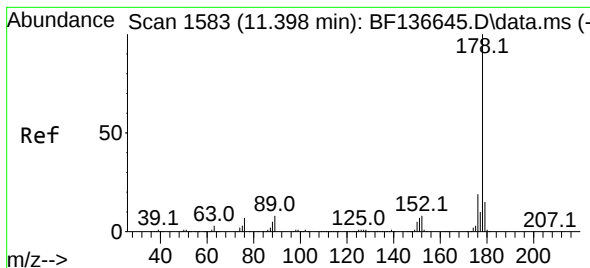


#71
Phenanthrene
Concen: 11.395 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23



Tgt Ion:178 Resp: 85328
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.1 11.9 17.9





#72

Anthracene

Concen: 2.557 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136978.D

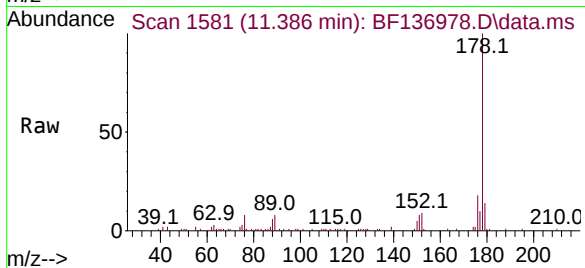
Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978



Tgt Ion:178 Resp: 1939

Ion Ratio Lower Upper

178 100

176 18.1 14.9 22.3

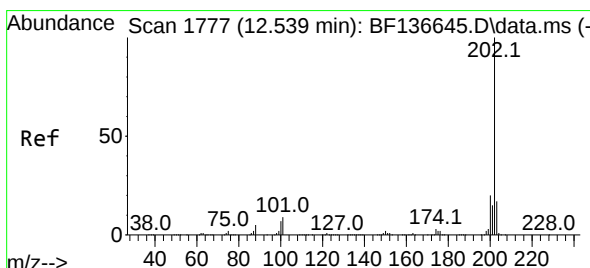
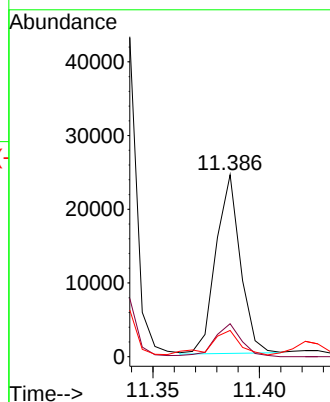
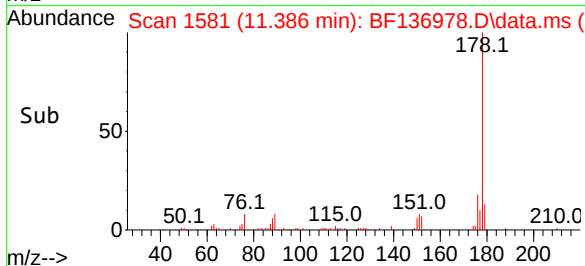
179 14.4 11.8 17.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#75

Fluoranthene

Concen: 22.071 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

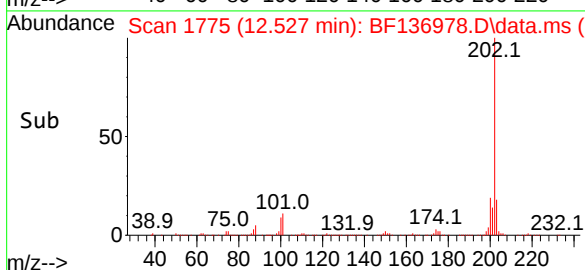
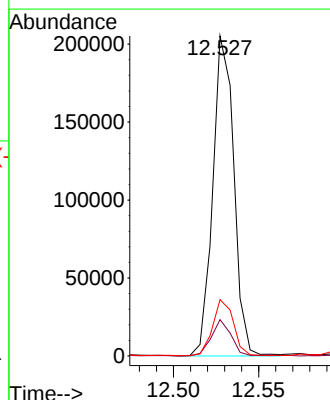
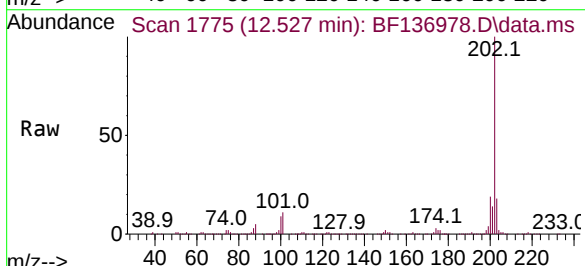
Tgt Ion:202 Resp: 176793

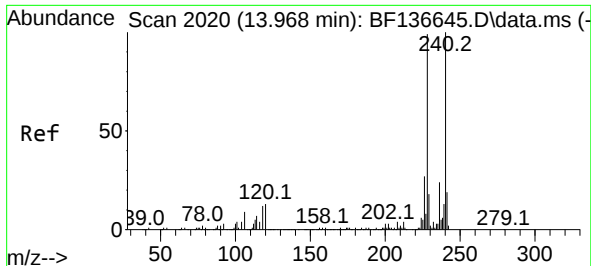
Ion Ratio Lower Upper

202 100

101 11.4 0.0 29.3

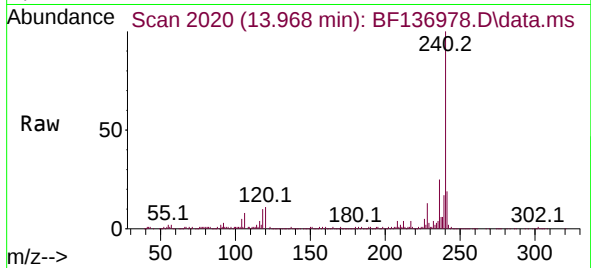
203 17.6 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

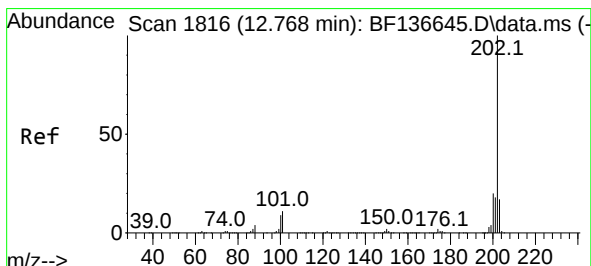
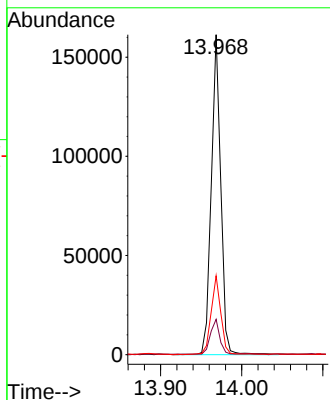
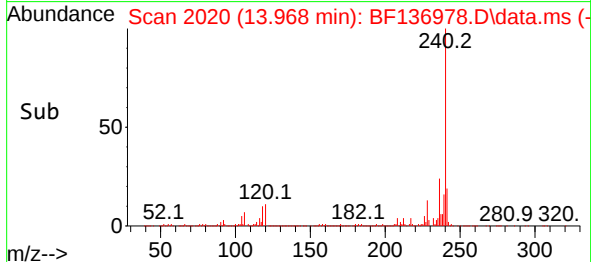
Instrument :
BNA_F
ClientSampleId :
72-11978



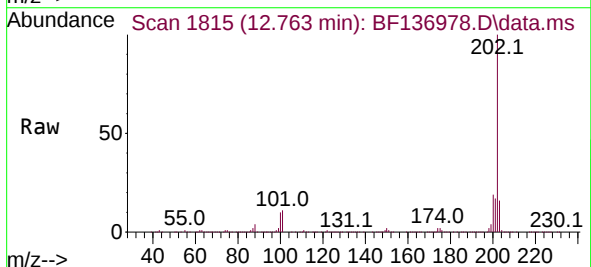
Tgt Ion:240 Resp: 130488
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 24.6 19.4 29.2

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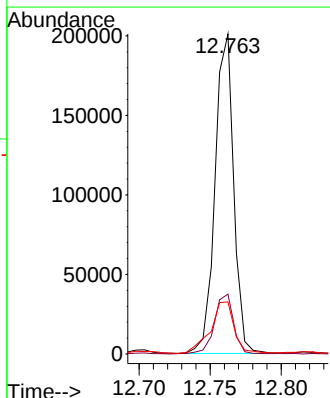
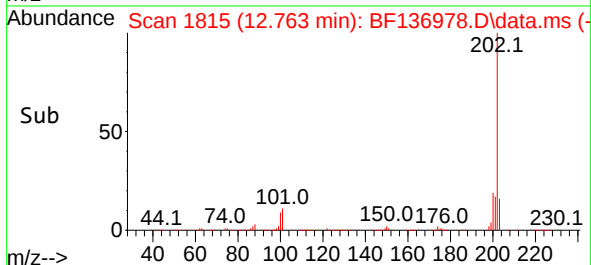
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

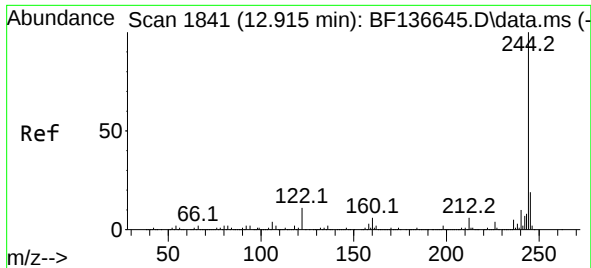


#78
Pyrene
Concen: 14.316 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23



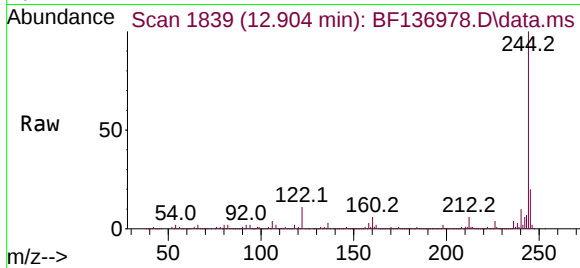
Tgt Ion:202 Resp: 183383
Ion Ratio Lower Upper
202 100
200 18.7 15.9 23.9
203 16.3 13.8 20.6





#79
Terphenyl-d14
Concen: 33.995 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

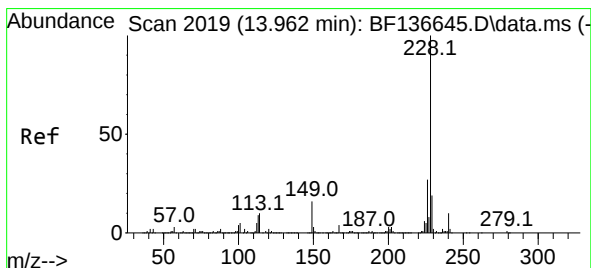
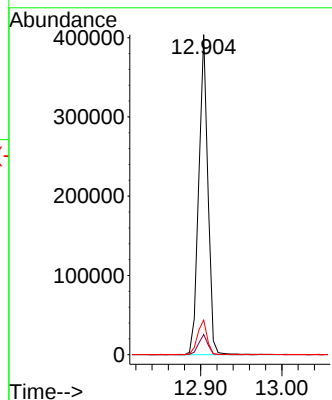
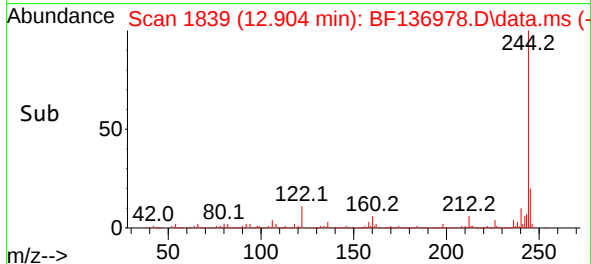
Instrument :
BNA_F
ClientSampleId :
72-11978



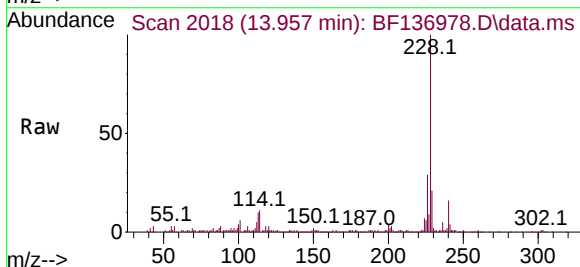
Tgt Ion:244 Resp: 317429
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 10.8 9.0 13.4

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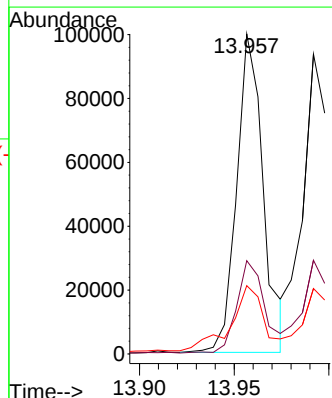
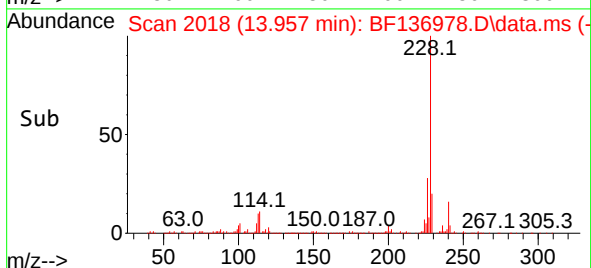
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

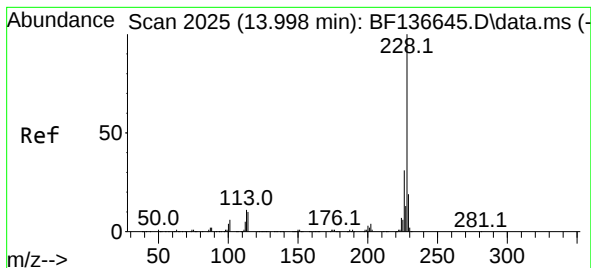


#81
Benzo(a)anthracene
Concen: 10.707 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23



Tgt Ion:228 Resp: 97018
Ion Ratio Lower Upper
228 100
226 29.1 21.4 32.0
229 21.3 14.9 22.3





#83

Chrysene

Concen: 10.083 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978

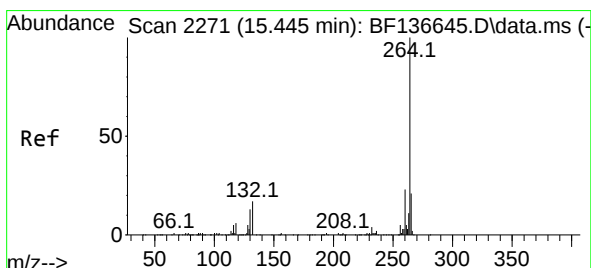
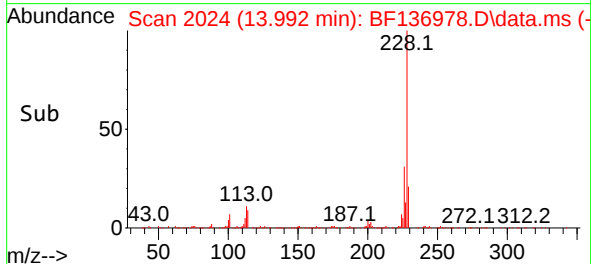
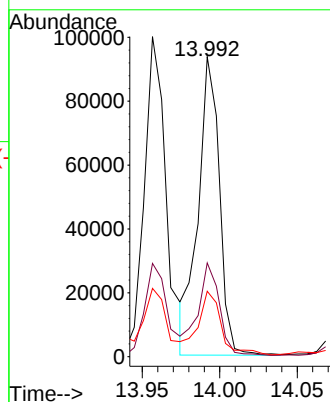
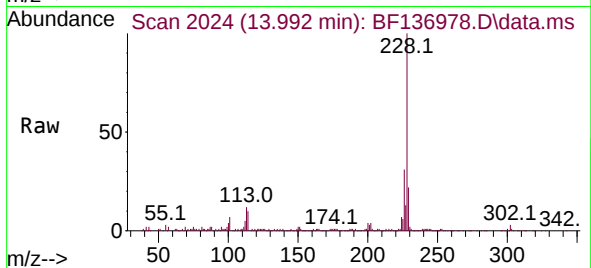
Tgt Ion:228	Resp: 8934
Ion Ratio	Lower Upper
228 100	
226 31.3	24.7 37.1
229 21.9	15.4 23.0

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#86

Perylene-d12

Concen: 20.000 ng

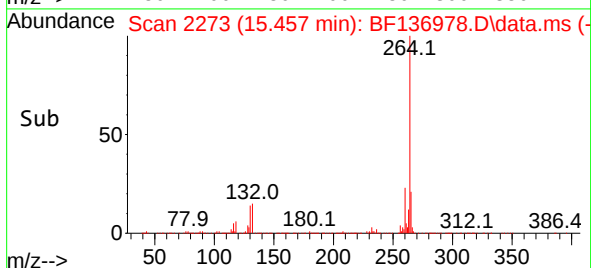
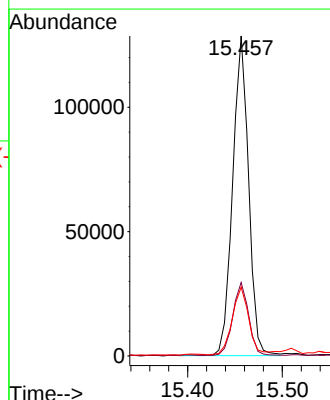
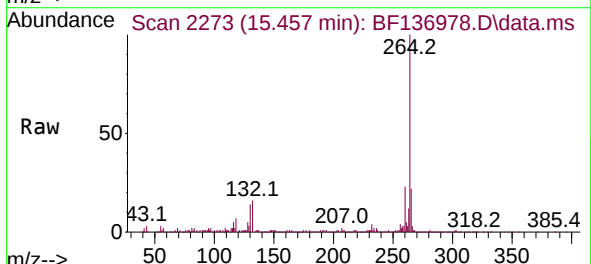
RT: 15.457 min Scan# 2273

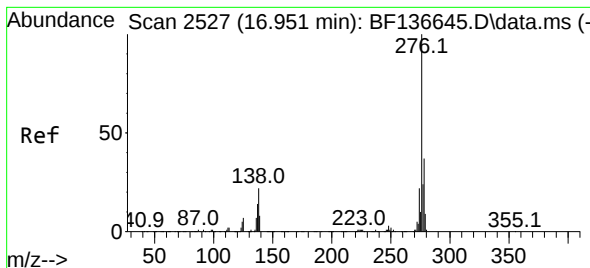
Delta R.T. 0.012 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Tgt Ion:264	Resp: 149982
Ion Ratio	Lower Upper
264 100	
260 23.0	18.3 27.5
265 21.5	17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.028 ng

RT: 16.968 min Scan# 2199

Delta R.T. 0.018 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion:276 Resp: 43618

Ion Ratio Lower Upper

276 100

138 20.1 18.7 28.1

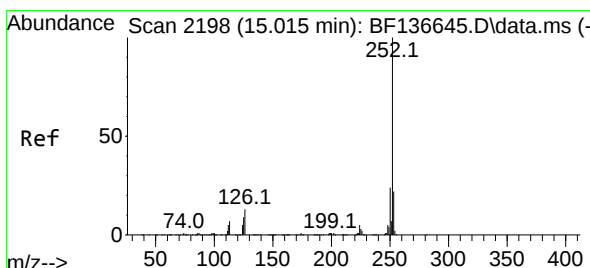
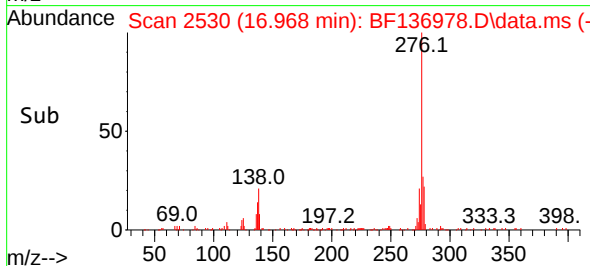
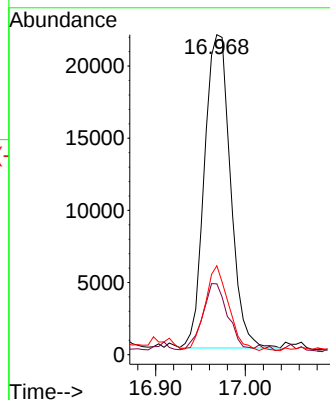
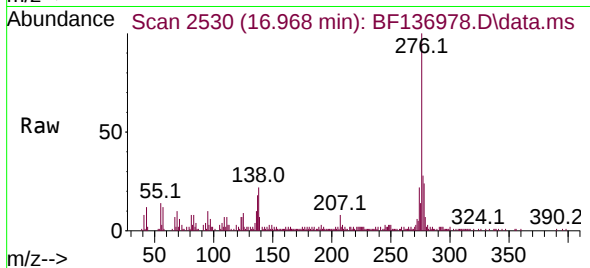
277 24.7 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#88

Benzo(b)fluoranthene

Concen: 12.020 ng m

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136978.D

Acq: 05 Jan 2024 16:23

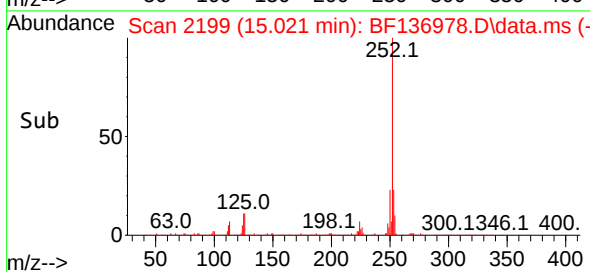
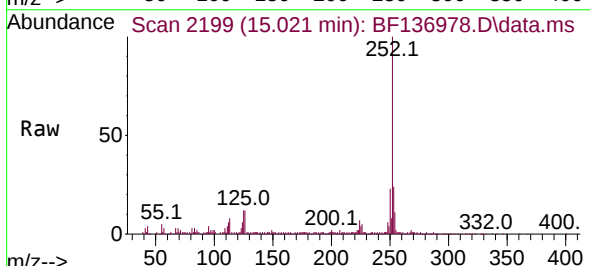
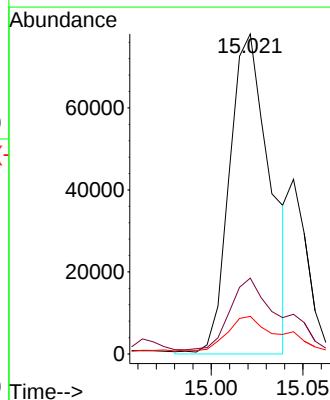
Tgt Ion:252 Resp: 120412

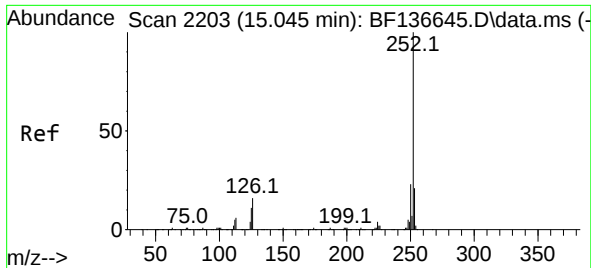
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.0

125 11.8 7.4 11.2#





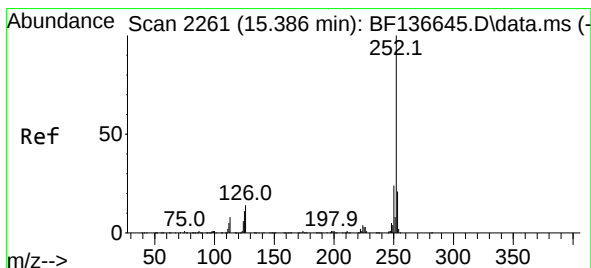
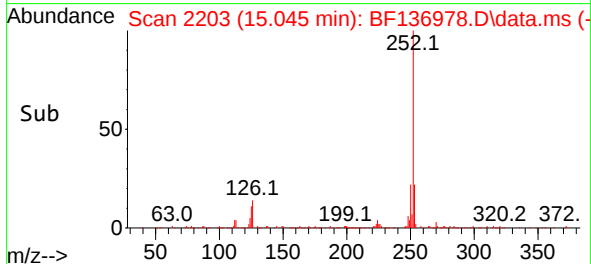
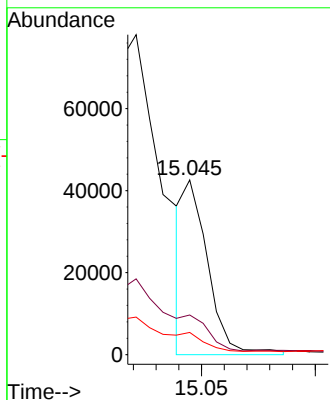
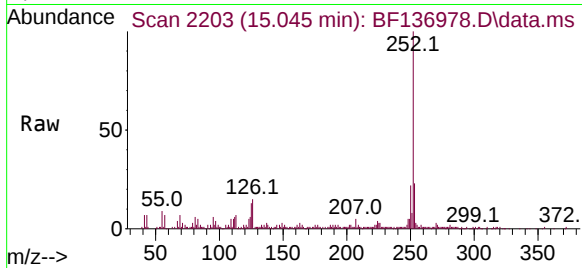
#89
Benzo(k)fluoranthene
Concen: 3.343 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:252 Resp: 31648
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 12.7 8.2 12.4

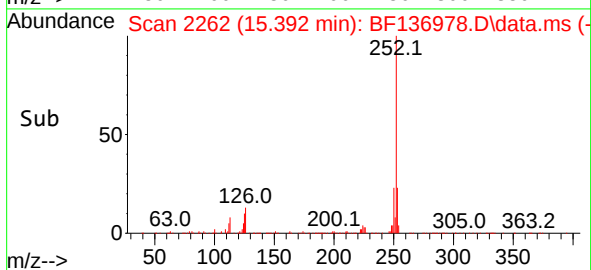
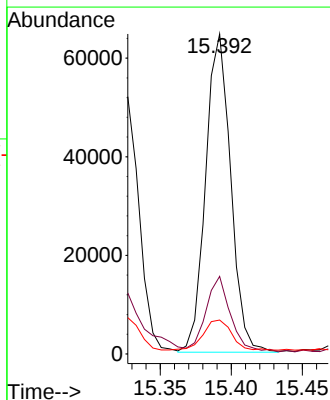
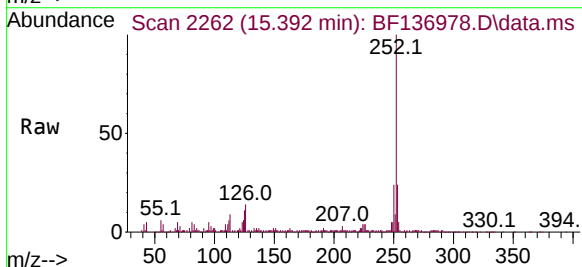
Manual Integrations
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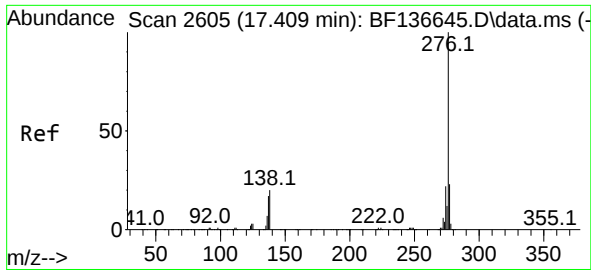
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#90
Benzo(a)pyrene
Concen: 9.371 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

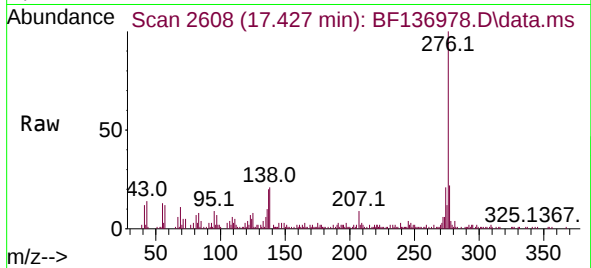
Tgt Ion:252 Resp: 79241
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 10.6 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 4.570 ng
RT: 17.427 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF136978.D
Acq: 05 Jan 2024 16:23

Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:276 Resp: 41580
Ion Ratio Lower Upper
276 100
277 22.5 18.3 27.5
138 20.8 15.6 23.4

Manual Integrations
APPROVED

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

