

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137073.D
 Acq On : 15 Jan 2024 20:05
 Operator : CG\JU
 Sample : P1140-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-309-0-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

Quant Time: Jan 16 02:04:02 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	37817	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	123869	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	61399	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	135028	20.000	ng	0.00
76) Chrysene-d12	13.969	240	135180	20.000	ng	0.00
86) Perylene-d12	15.457	264	105098	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	124064	51.187	ng	0.00
7) Phenol-d6	6.434	99	141015	44.901	ng	0.00
23) Nitrobenzene-d5	7.345	82	83937	34.675	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	42449	58.703	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	178976	39.206	ng	-0.02
79) Terphenyl-d14	12.904	244	261657	27.050	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	35050	5.059	ng	97
75) Fluoranthene	12.533	202	85987	11.603	ng	99
78) Pyrene	12.763	202	80248	6.047	ng	99
81) Benzo(a)anthracene	13.957	228	48219	5.137	ng	96
83) Chrysene	13.998	228	45941	5.005	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	17859	2.354	ng	# 93
88) Benzo(b)fluoranthene	15.021	252	48107m	6.853	ng	
89) Benzo(k)fluoranthene	15.051	252	18636m	2.810	ng	
90) Benzo(a)pyrene	15.392	252	31695	5.349	ng	# 93
92) Benzo(g,h,i)perylene	17.451	276	18219	2.857	ng	93

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

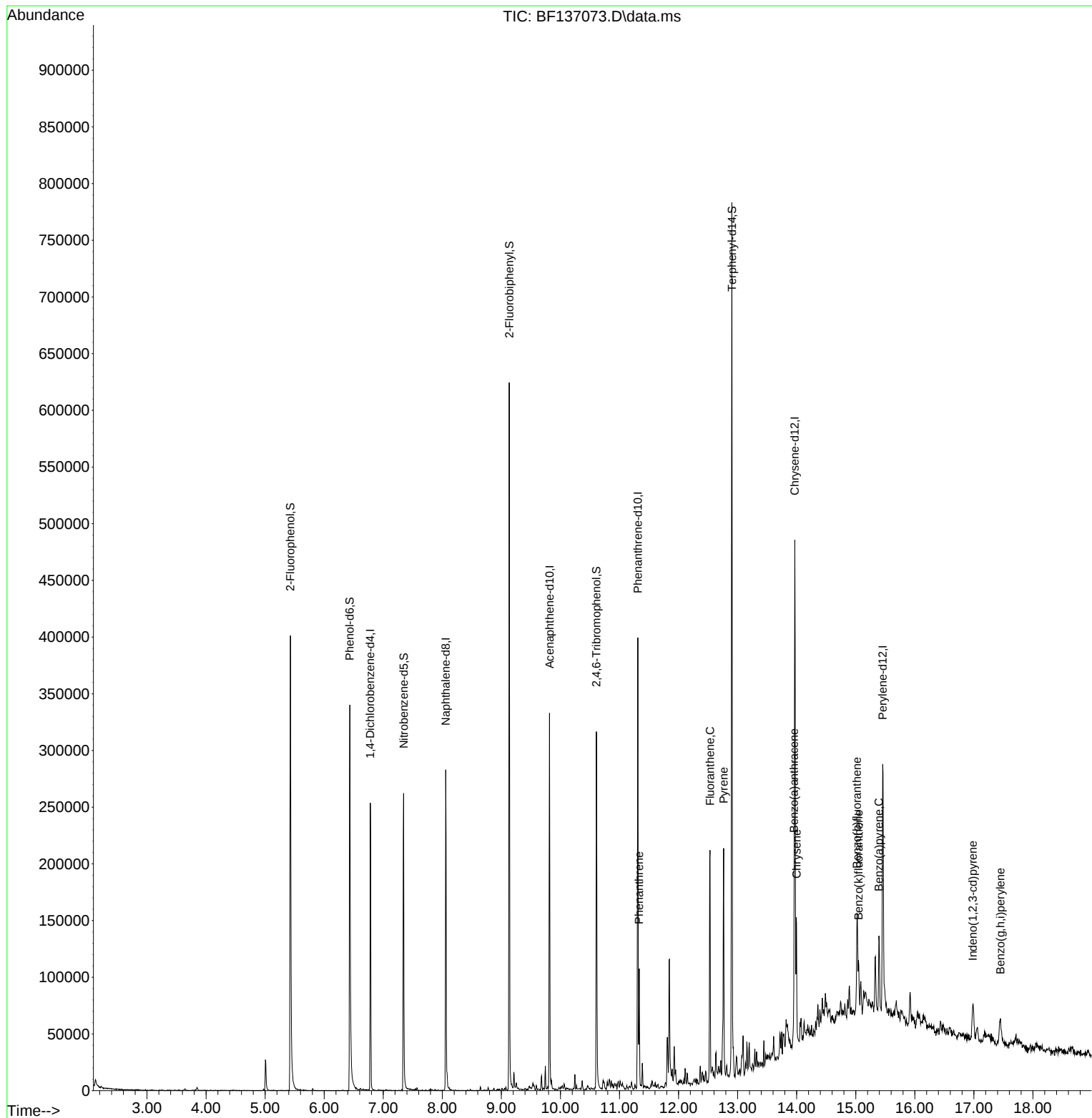
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

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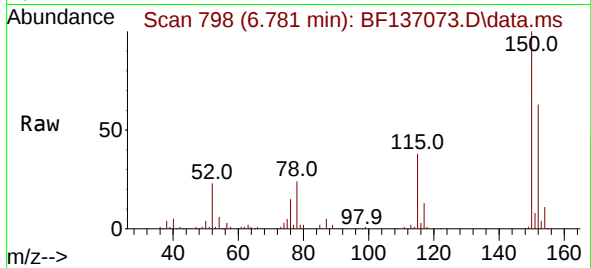
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

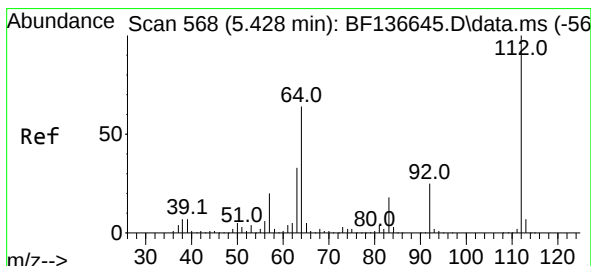
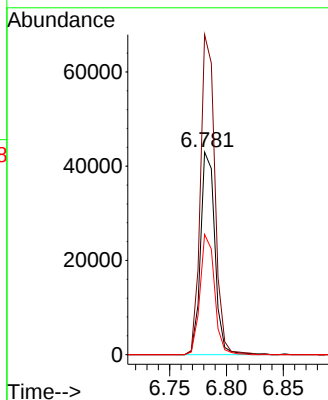
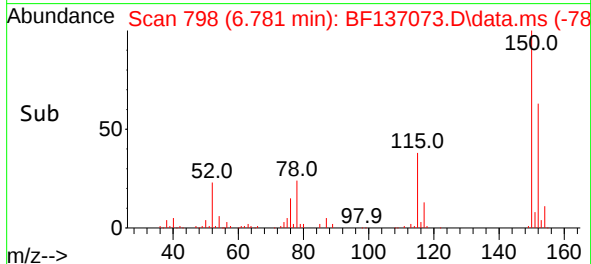
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2



Tgt Ion:152 Resp: 3781
Ion Ratio Lower Upper
152 100
150 158.0 127.0 190.6
115 59.4 49.0 73.4

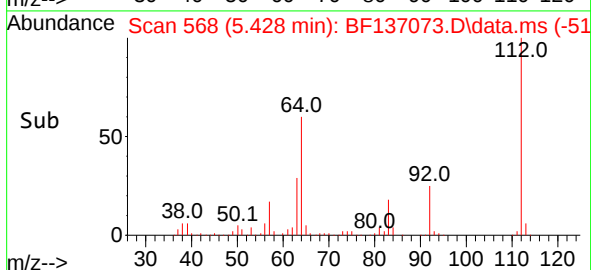
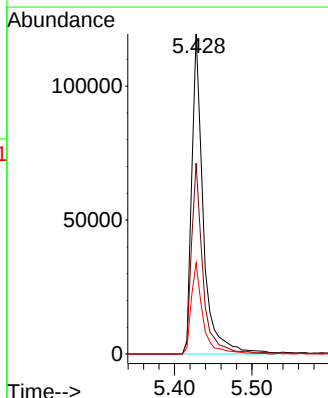
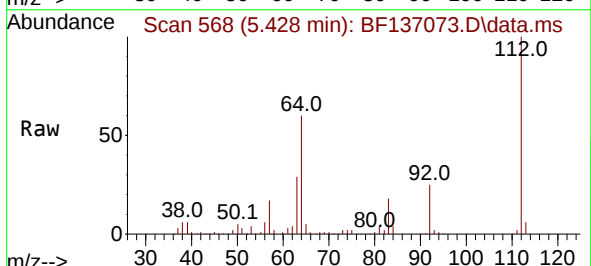
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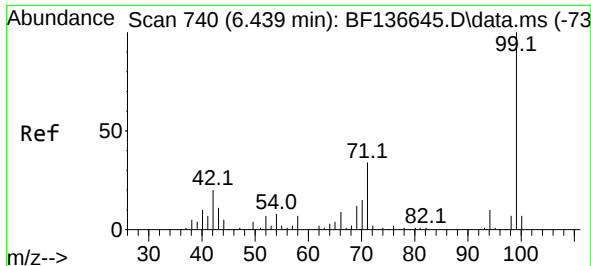
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#5
2-Fluorophenol
Concen: 51.187 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

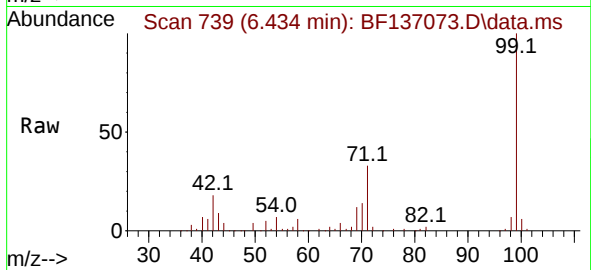
Tgt Ion:112 Resp: 124064
Ion Ratio Lower Upper
112 100
64 59.6 51.1 76.7
63 28.5 26.1 39.1





#7
Phenol-d6
Concen: 44.901 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

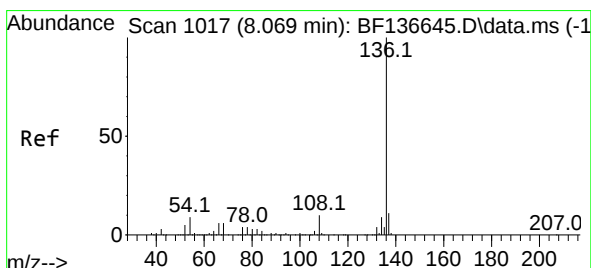
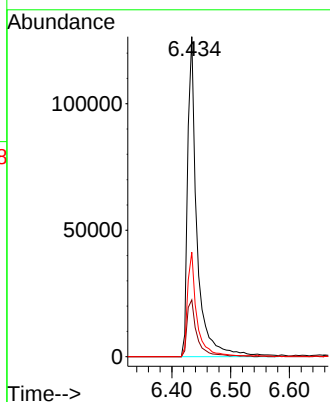
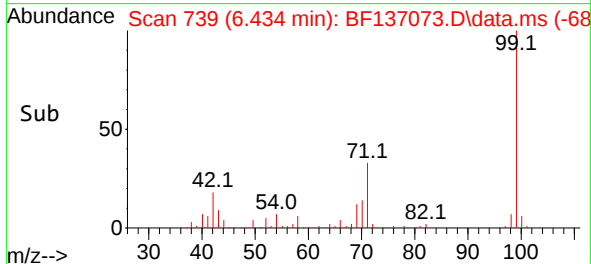
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2



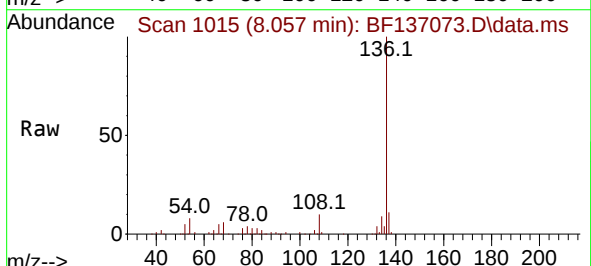
Tgt Ion: 99 Resp: 141015
Ion Ratio Lower Upper
99 100
42 17.8 16.1 24.1
71 32.6 27.4 41.2

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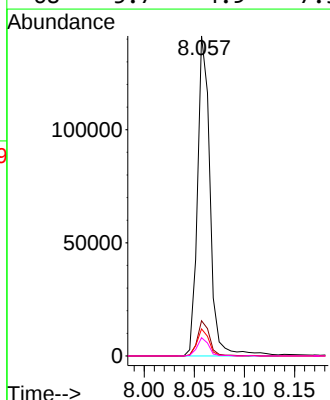
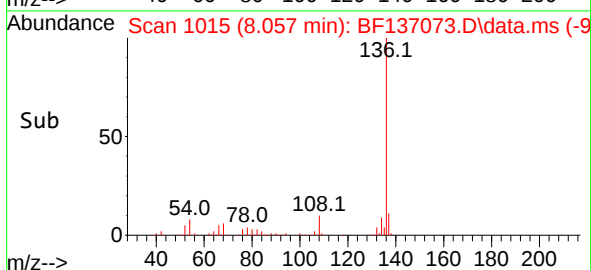
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

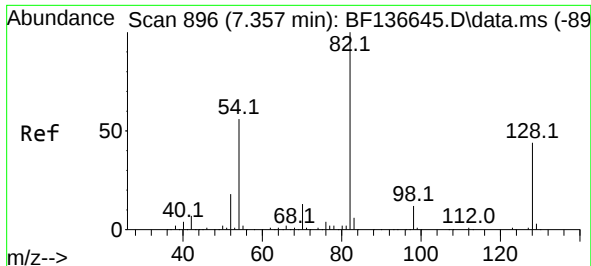


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05



Tgt Ion:136 Resp: 123869
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 8.5 7.2 10.8
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 34.675 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

MR-309-0-2

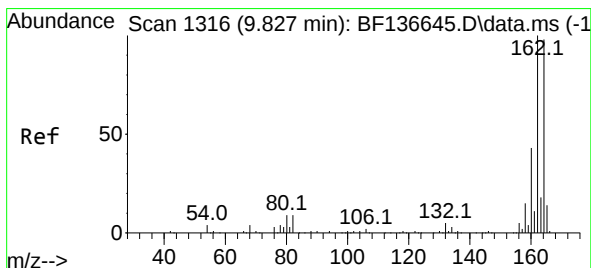
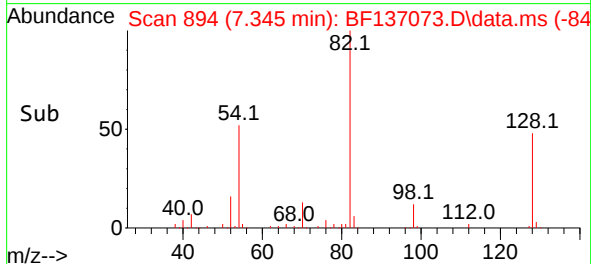
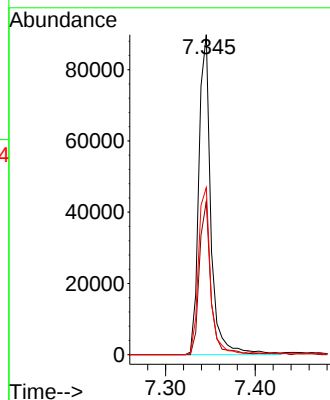
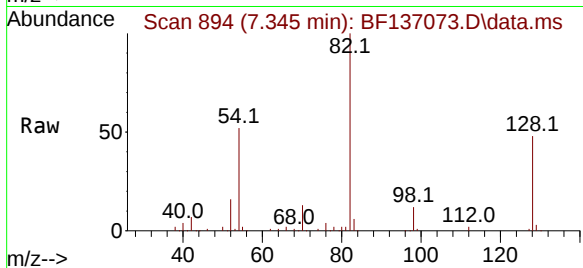
Tgt Ion: 82 Resp: 8393

Ion	Ratio	Lower	Upper
82	100		
128	47.8	35.3	52.9
54	52.2	44.5	66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

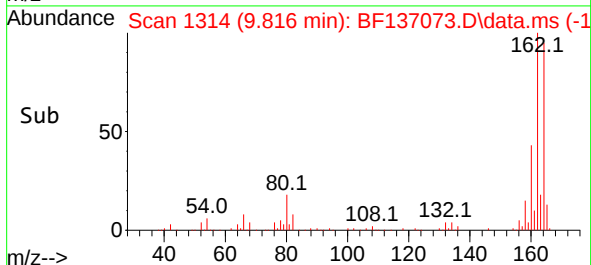
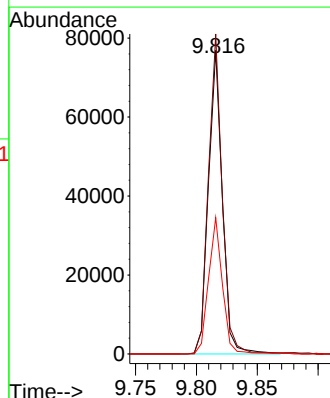
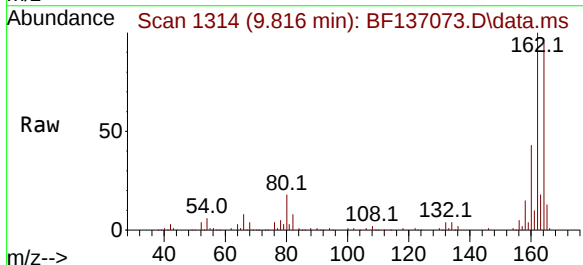
Delta R.T. -0.012 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Tgt Ion:164 Resp: 61399

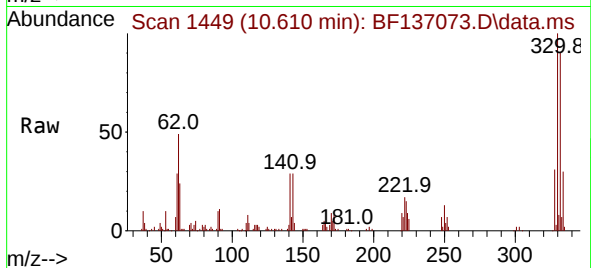
Ion	Ratio	Lower	Upper
164	100		
162	105.4	81.6	122.4
160	44.9	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 58.703 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

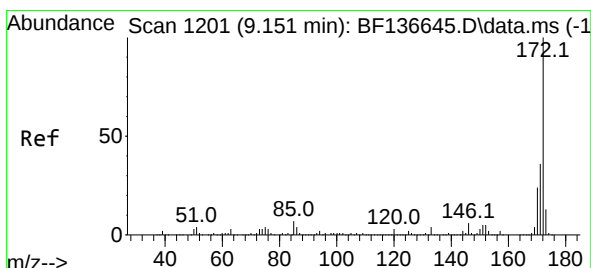
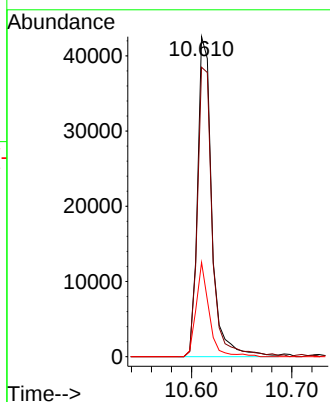
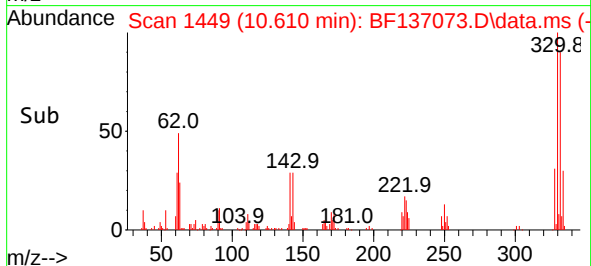
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2



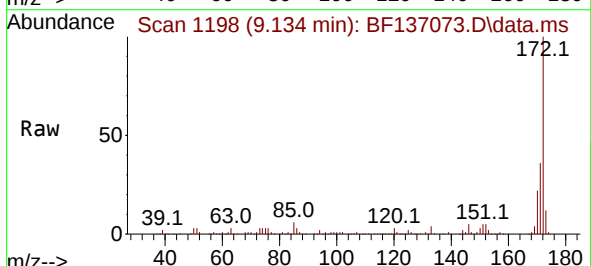
Tgt Ion: 330 Resp: 42449
Ion Ratio Lower Upper
330 100
332 93.7 77.4 116.0
141 26.8 23.4 35.2

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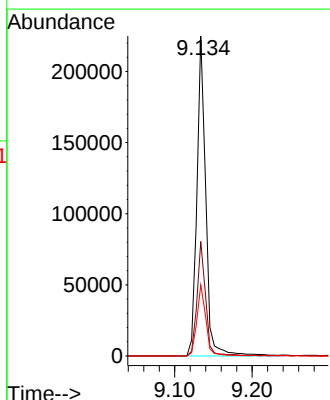
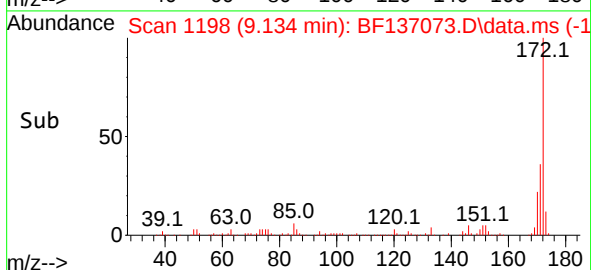
Reviewed By : Jagrut Upadhyay 01/16/2024
Supervised By : mohammad ahmed 01/17/2024



#45
2-Fluorobiphenyl
Concen: 39.206 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05



Tgt Ion: 172 Resp: 178976
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 22.2 19.0 28.4





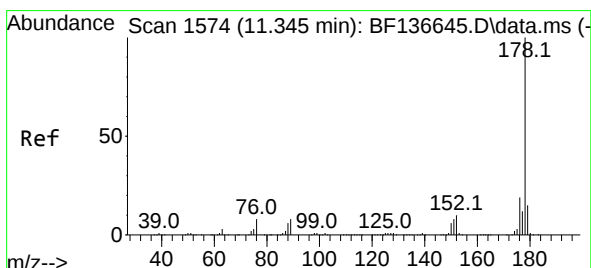
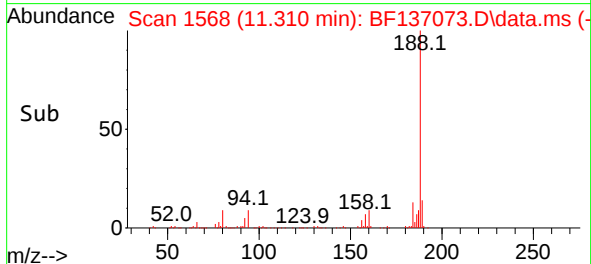
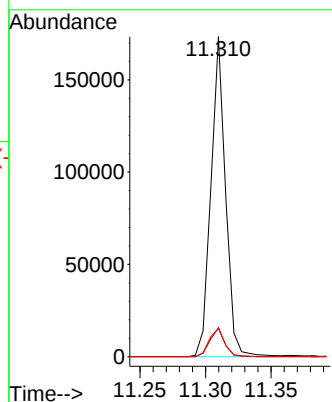
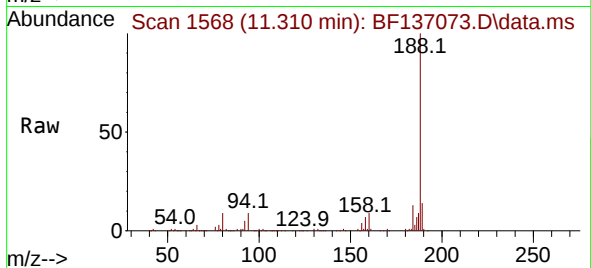
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Instrument :
BNA_F
ClientSampleId :
MR-309-0-2

Tgt Ion:188 Resp: 135028
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 8.8 8.1 12.1

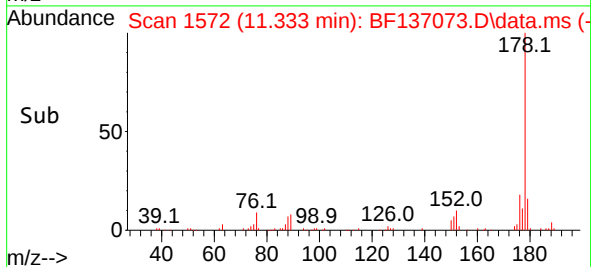
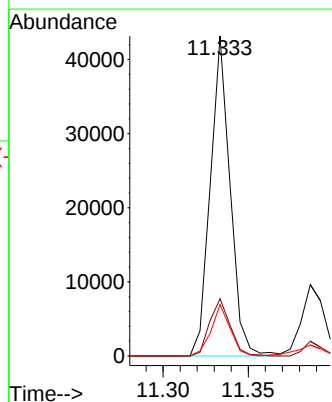
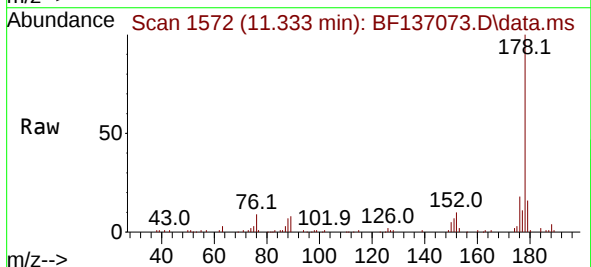
Manual Integrations
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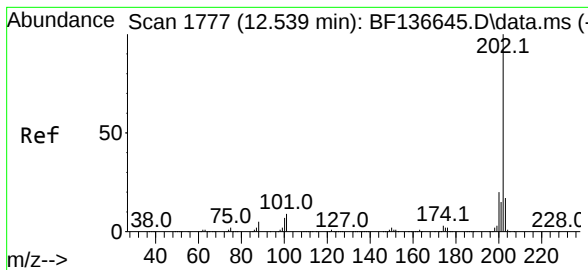
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#71
Phenanthrene
Concen: 5.059 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

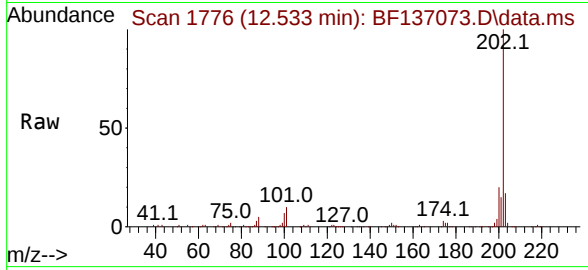
Tgt Ion:178 Resp: 35050
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 16.0 11.9 17.9





#75
Fluoranthene
Concen: 11.603 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

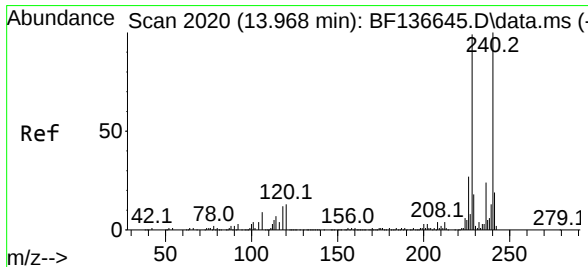
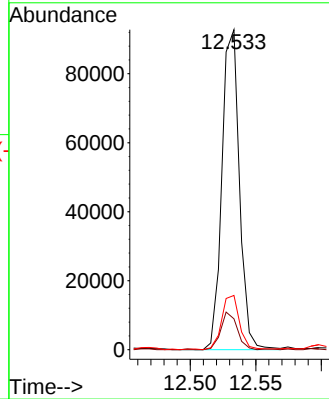
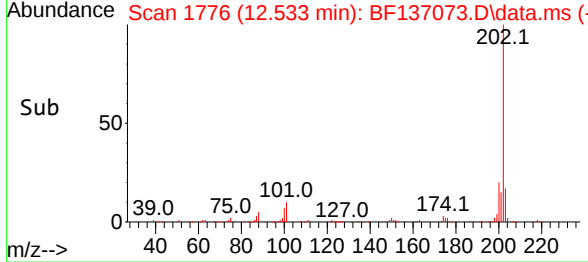
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2



Tgt Ion:202 Resp: 8598
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.3
203 17.0 0.0 37.1

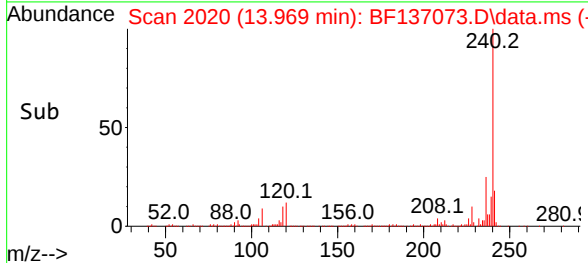
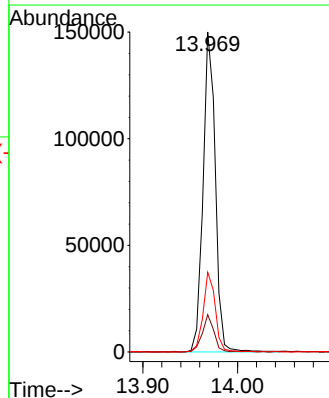
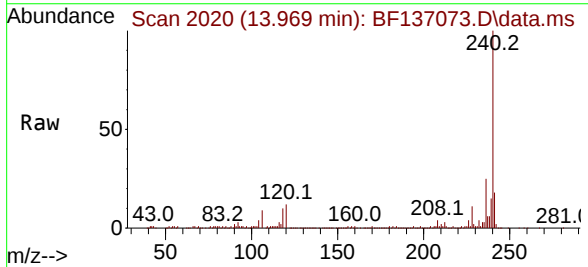
Manual Integrations
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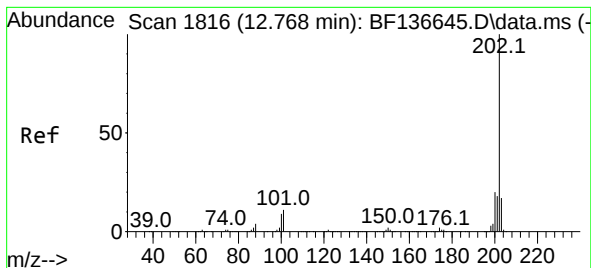
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion:240 Resp: 135180
Ion Ratio Lower Upper
240 100
120 11.7 10.3 15.5
236 24.9 19.4 29.2





#78

Pyrene

Concen: 6.047 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

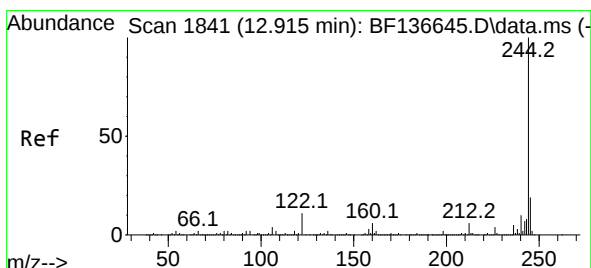
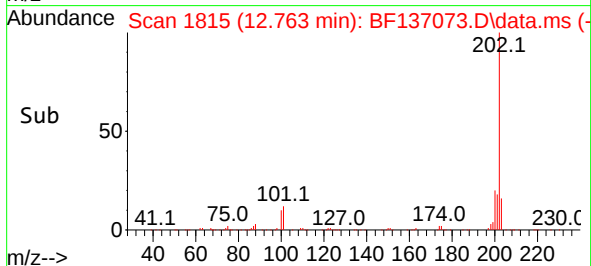
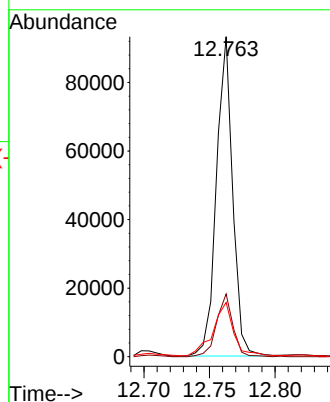
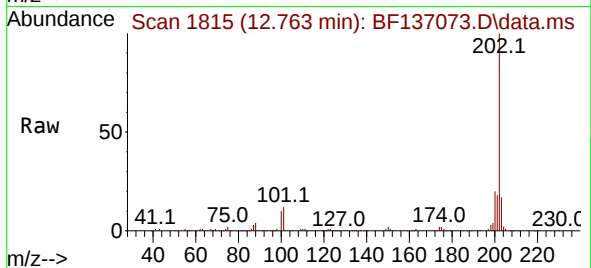
MR-309-0-2

Tgt Ion:202	Resp: 80248
Ion Ratio	Lower Upper
202 100	
200 19.6	15.9 23.9
203 16.9	13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#79

Terphenyl-d14

Concen: 27.050 ng

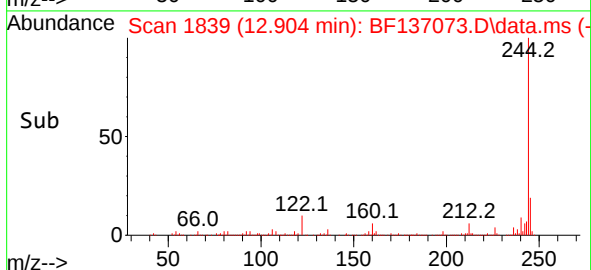
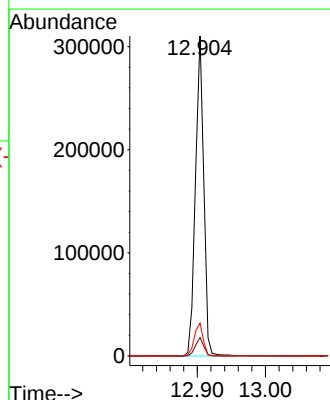
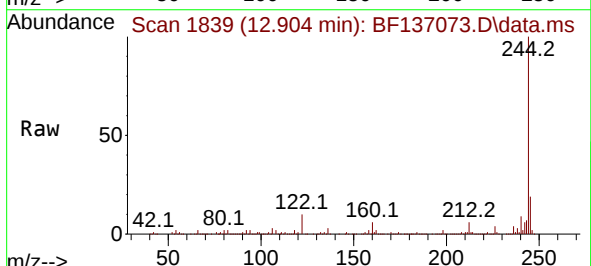
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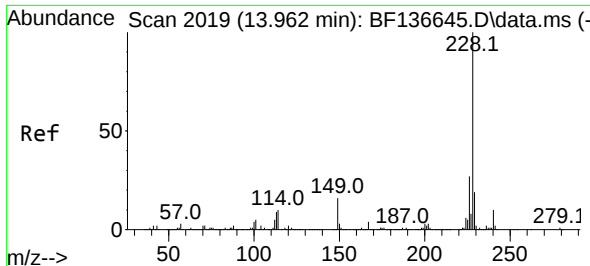
Delta R.T. -0.012 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Tgt Ion:244	Resp: 261657
Ion Ratio	Lower Upper
244 100	
212 5.7	5.0 7.4
122 10.3	9.0 13.4





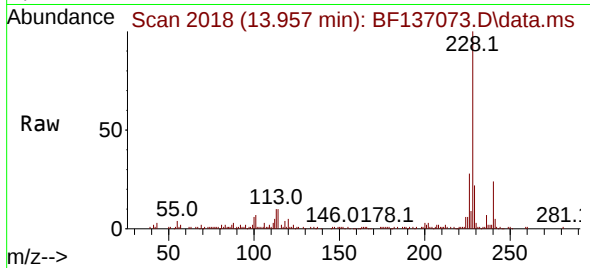
#81
Benzo(a)anthracene
Concen: 5.137 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

MR-309-0-2

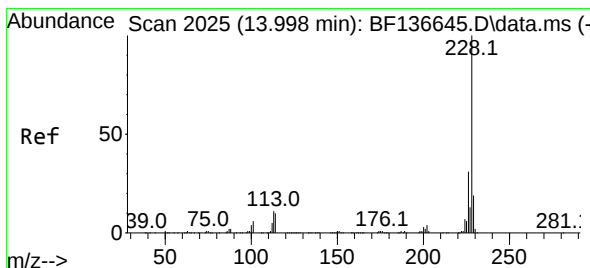
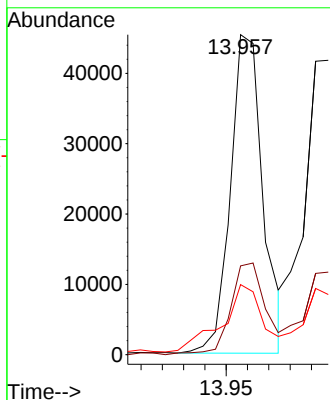
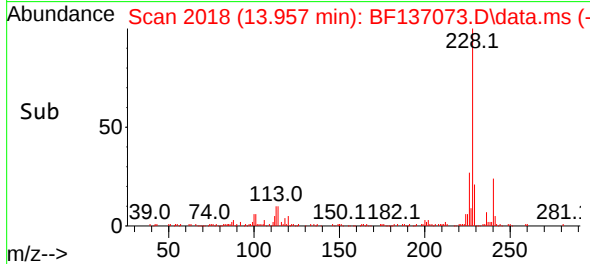


Tgt Ion:228 Resp: 48219
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 21.9 14.9 22.3

Manual Integrations

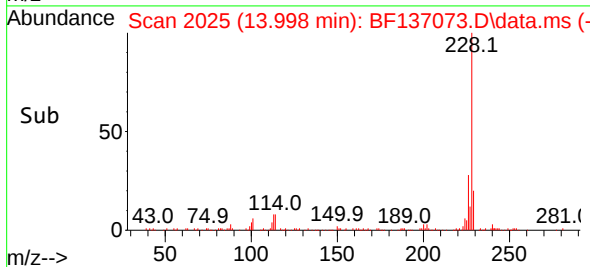
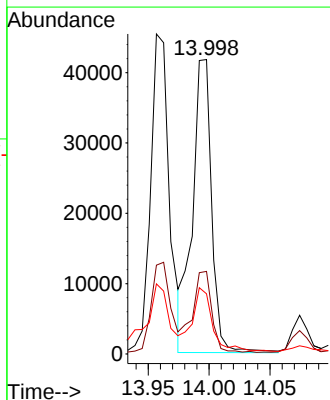
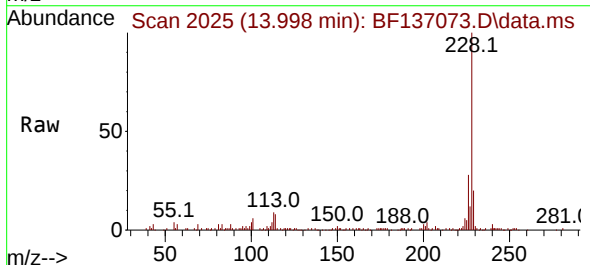
APPROVED

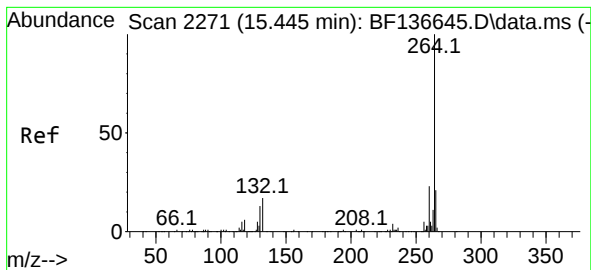
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#83
Chrysene
Concen: 5.005 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

Tgt Ion:228 Resp: 45941
Ion Ratio Lower Upper
228 100
226 28.0 24.7 37.1
229 20.4 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

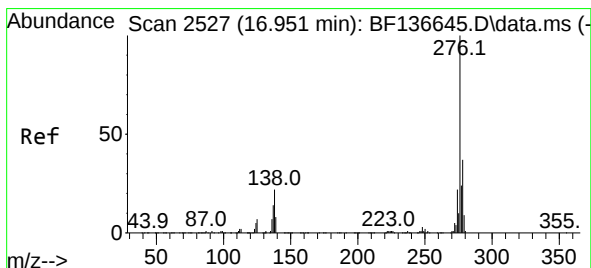
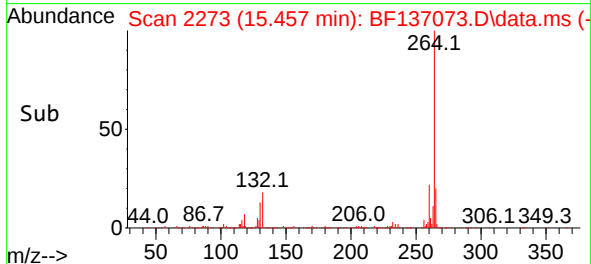
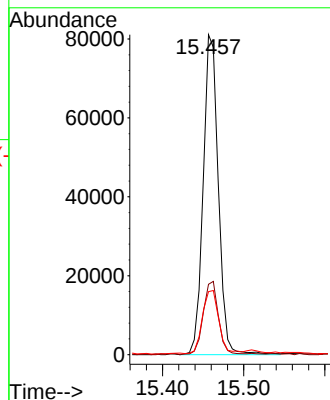
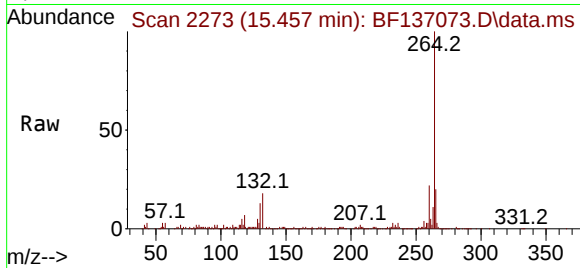
MR-309-0-2

Tgt Ion:264 Resp: 105098
 Ion Ratio Lower Upper
 264 100
 260 22.0 18.3 27.5
 265 19.7 17.0 25.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.354 ng

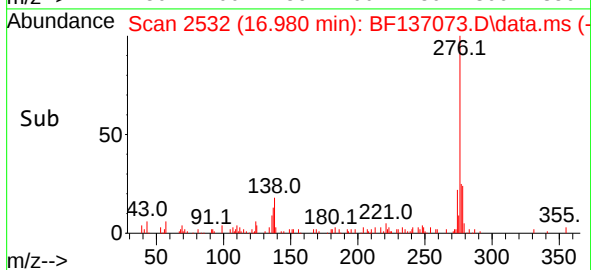
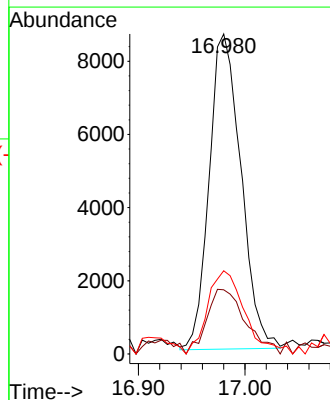
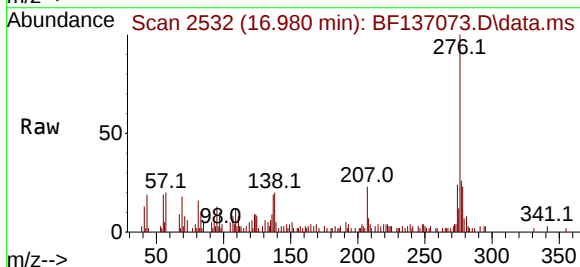
RT: 16.980 min Scan# 2532

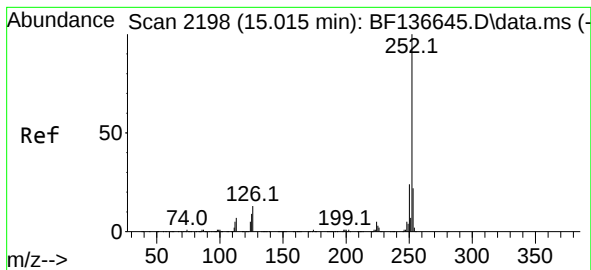
Delta R.T. 0.030 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Tgt Ion:276 Resp: 17859
 Ion Ratio Lower Upper
 276 100
 138 24.9 18.7 28.1
 277 30.8 20.2 30.2#





#88

Benzo(b)fluoranthene

Concen: 6.853 ng m

RT: 15.021 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Instrument :

BNA_F

ClientSampleId :

MR-309-0-2

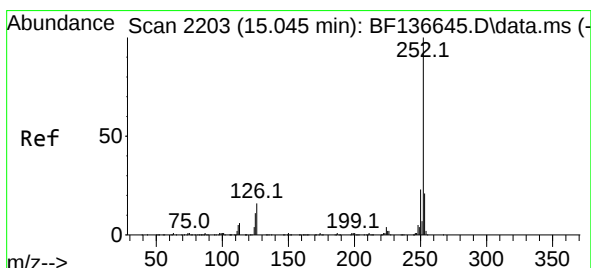
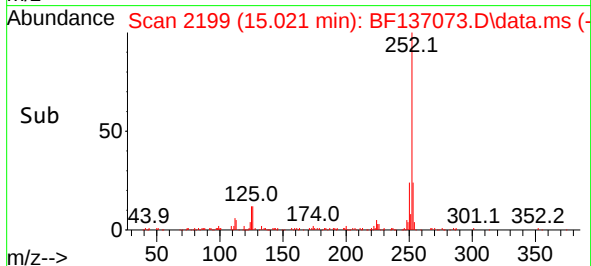
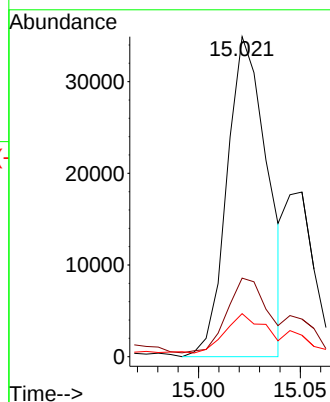
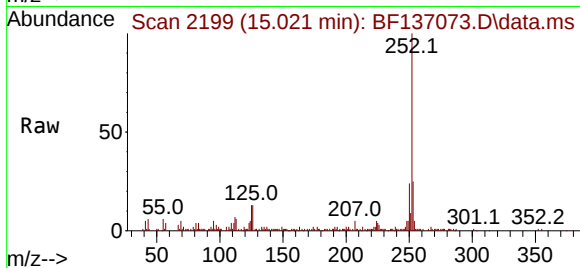
Tgt Ion:252 Resp: 4810

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.0
125	13.5	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#89

Benzo(k)fluoranthene

Concen: 2.810 ng m

RT: 15.051 min Scan# 2204

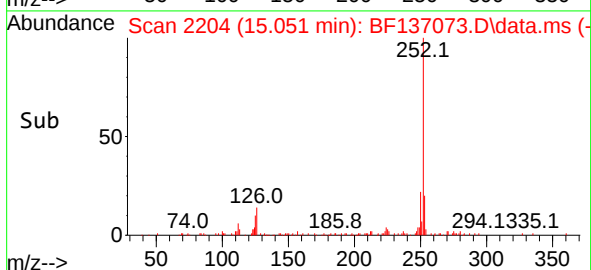
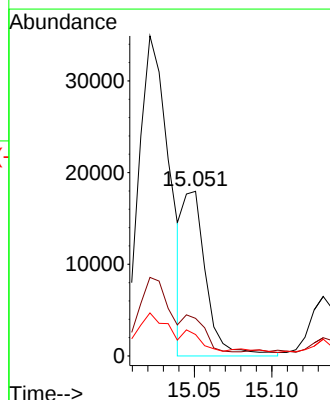
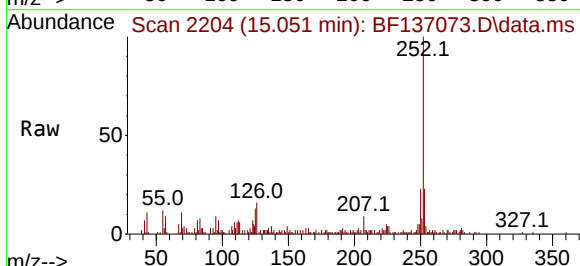
Delta R.T. 0.006 min

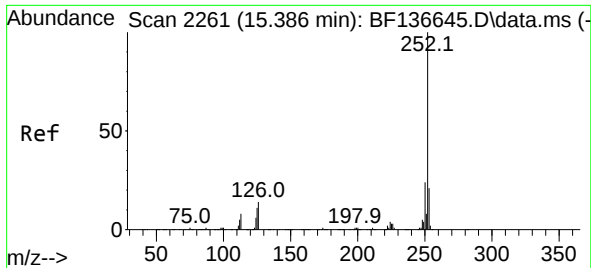
Lab File: BF137073.D

Acq: 15 Jan 2024 20:05

Tgt Ion:252 Resp: 18636

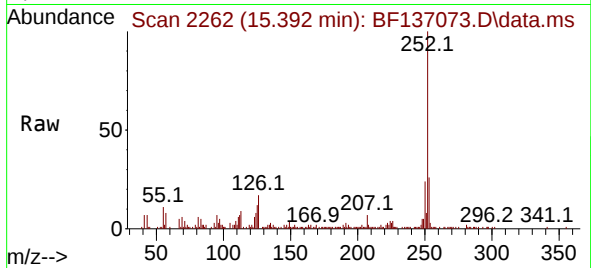
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.1	8.2	12.4





#90
Benzo(a)pyrene
Concen: 5.349 ng
RT: 15.392 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05

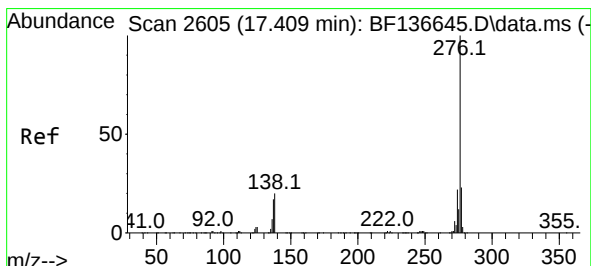
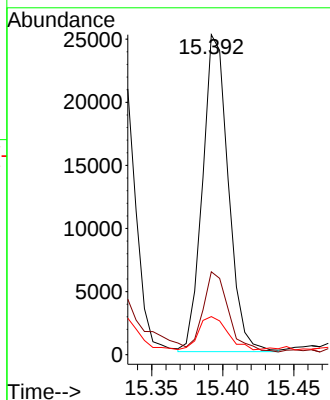
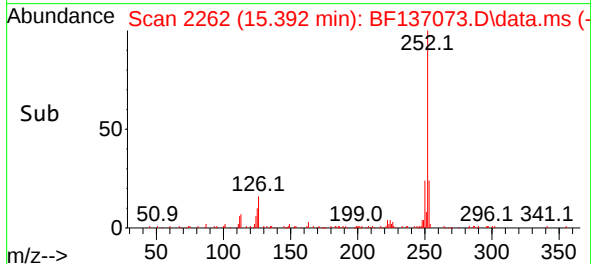
Instrument :
BNA_F
ClientSampleId :
MR-309-0-2



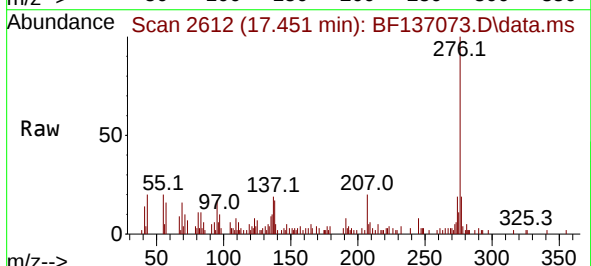
Tgt Ion:252 Resp: 3169
Ion Ratio Lower Upper
252 100
253 25.9 17.0 25.6
125 11.9 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#92
Benzo(g,h,i)perylene
Concen: 2.857 ng
RT: 17.451 min Scan# 2612
Delta R.T. 0.041 min
Lab File: BF137073.D
Acq: 15 Jan 2024 20:05



Tgt Ion:276 Resp: 18219
Ion Ratio Lower Upper
276 100
277 18.6 18.3 27.5
138 21.9 15.6 23.4

