

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136987.D
 Acq On : 05 Jan 2024 21:05
 Operator : CG\JU
 Sample : P1040-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

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

Quant Time: Jan 05 22:53:25 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	52275	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	182864	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	83386	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	152571	20.000	ng	0.00
76) Chrysene-d12	13.969	240	133309	20.000	ng	0.00
86) Perylene-d12	15.457	264	110890	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	313891	93.689	ng	0.00
7) Phenol-d6	6.434	99	370258	85.288	ng	0.00
23) Nitrobenzene-d5	7.345	82	222180	62.173	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	83013	84.530	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	443495	71.534	ng	-0.01
79) Terphenyl-d14	12.910	244	494980	51.888	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.845	154	19944	3.957	ng	91
55) Dibenzofuran	10.022	168	20008	2.619	ng	97
58) Fluorene	10.369	166	32446	5.352	ng	96
71) Phenanthrene	11.333	178	231246	29.539	ng	98
72) Anthracene	11.386	178	79653	10.047	ng	99
73) Carbazole	11.551	167	27136	3.630	ng	98
75) Fluoranthene	12.533	202	257025	30.694	ng	98
78) Pyrene	12.763	202	227438	17.380	ng	99
81) Benzo(a)anthracene	13.963	228	150018	16.206	ng	97
83) Chrysene	13.998	228	123080m	13.597	ng	
87) Indeno(1,2,3-cd)pyrene	16.974	276	31678	3.957	ng	99
88) Benzo(b)fluoranthene	15.021	252	108451m	14.643	ng	
89) Benzo(k)fluoranthene	15.045	252	37869m	5.411	ng	
90) Benzo(a)pyrene	15.392	252	77955	12.469	ng	97
92) Benzo(g,h,i)perylene	17.433	276	26157	3.888	ng	98

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

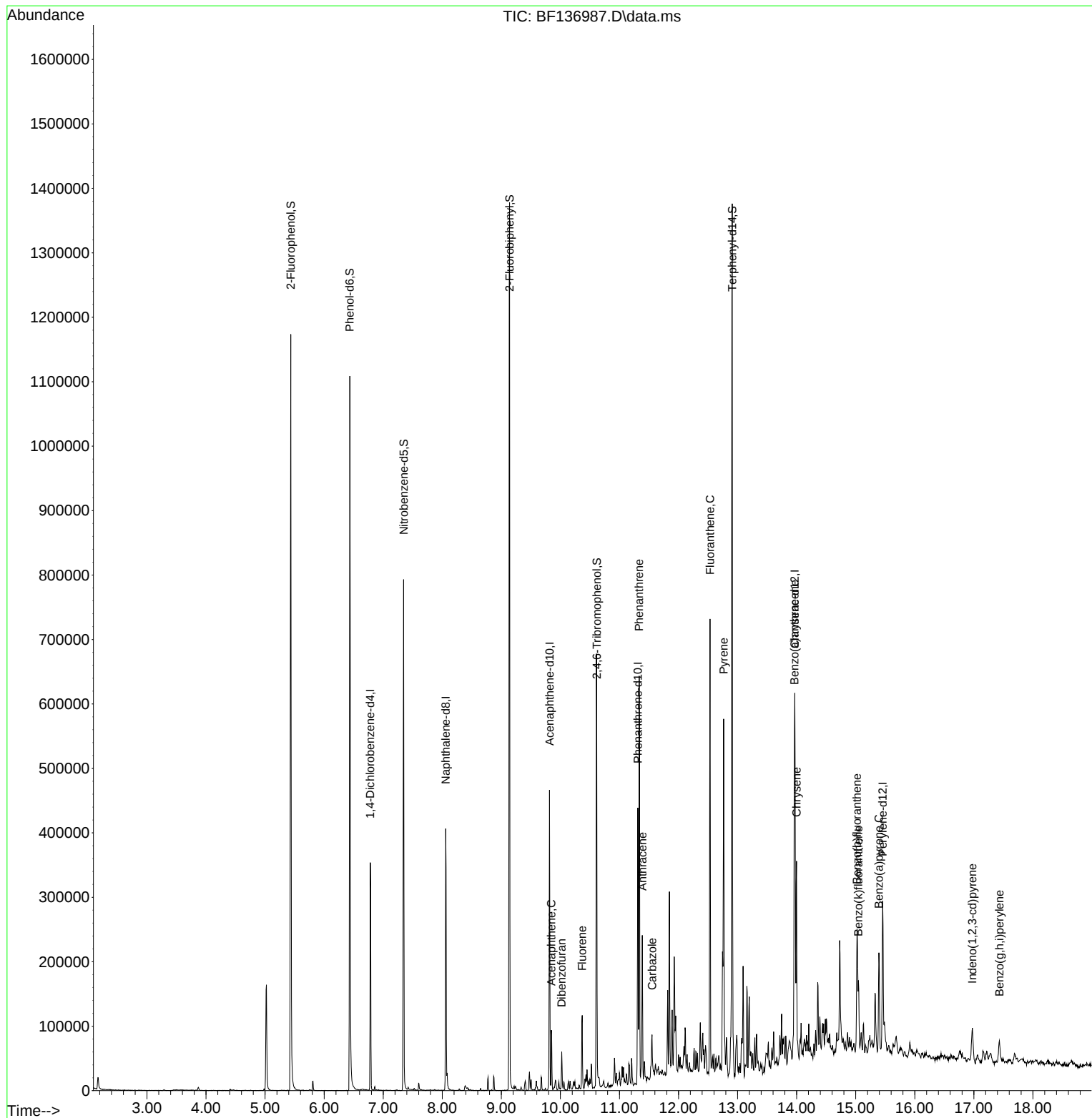
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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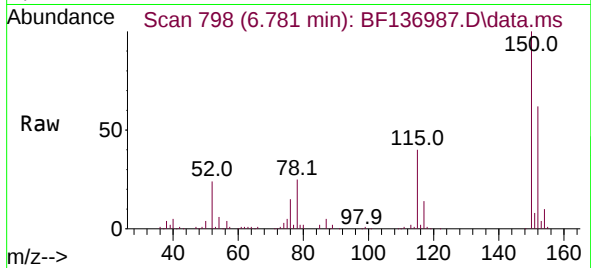
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

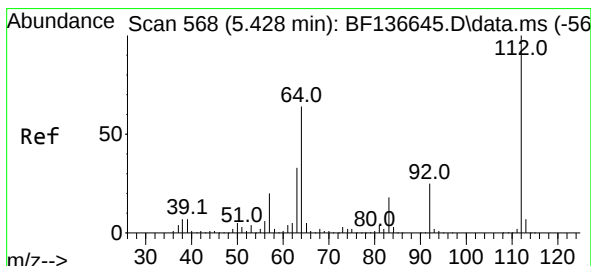
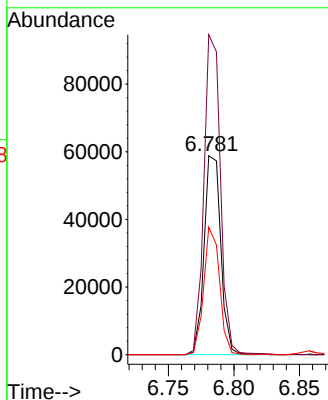
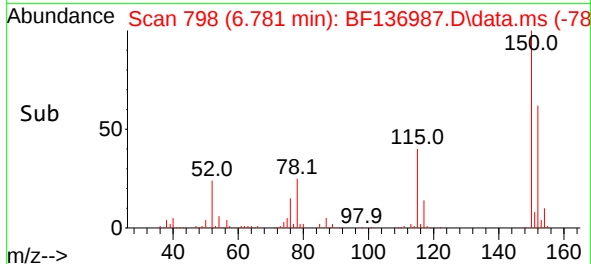
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:152 Resp: 52275
Ion Ratio Lower Upper
152 100
150 160.8 127.0 190.6
115 64.1 49.0 73.4

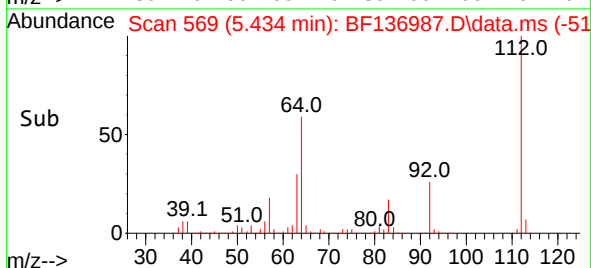
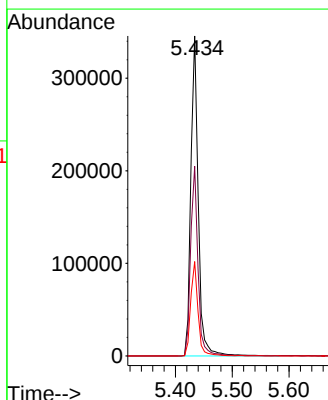
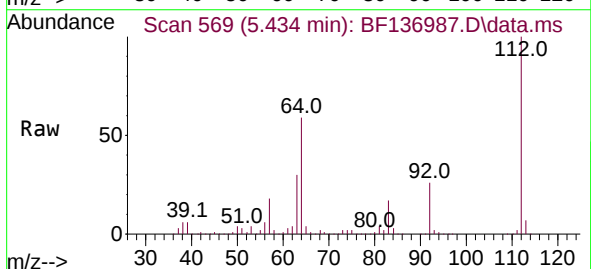
Manual Integrations
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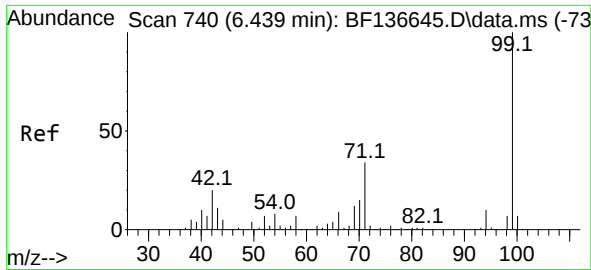
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#5
2-Fluorophenol
Concen: 93.689 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:112 Resp: 313891
Ion Ratio Lower Upper
112 100
64 59.3 51.1 76.7
63 29.5 26.1 39.1





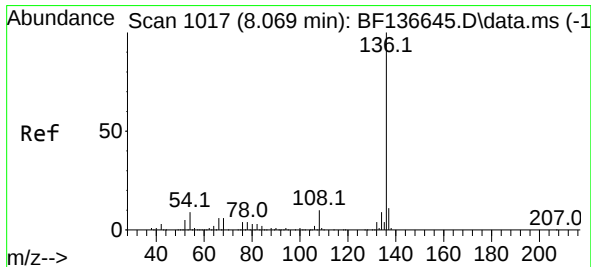
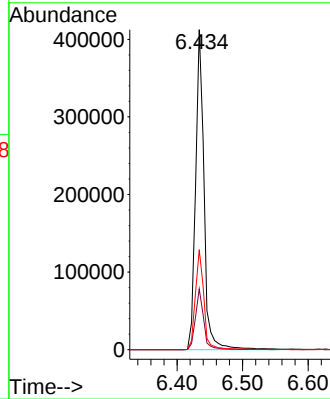
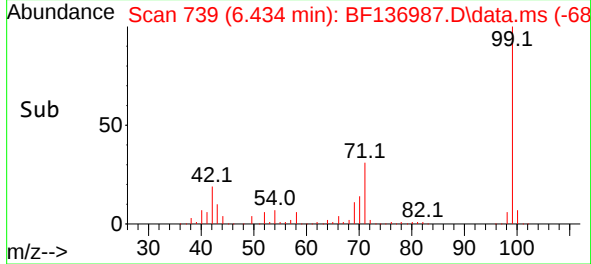
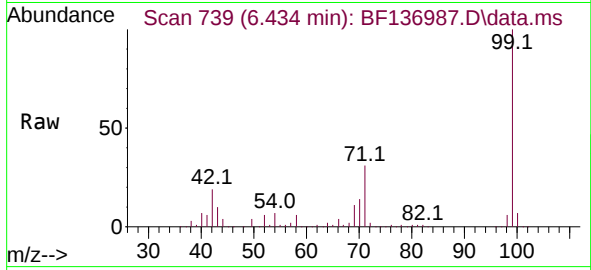
#7
Phenol-d6
Concen: 85.288 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 370258
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 31.2 27.4 41.2

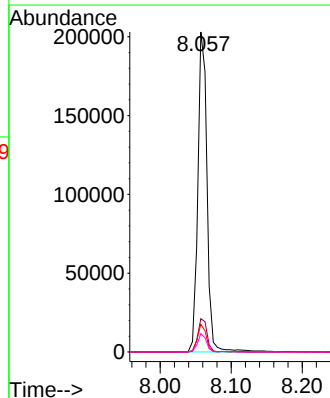
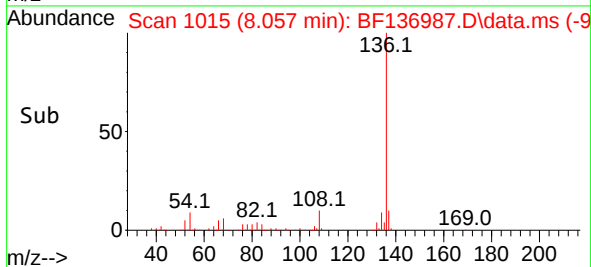
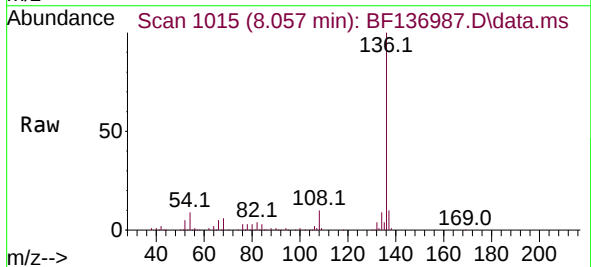
Manual Integrations
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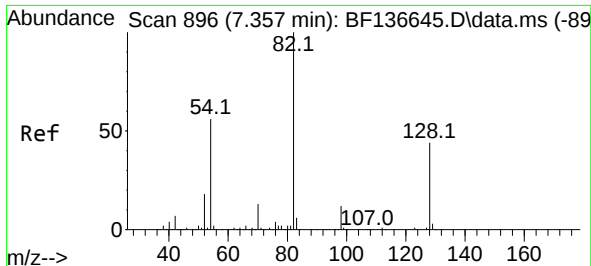
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

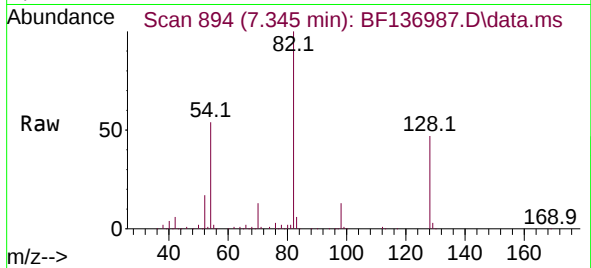
Tgt Ion:136 Resp: 182864
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 8.7 7.2 10.8
68 5.7 4.9 7.3





#23
Nitrobenzene-d5
Concen: 62.173 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

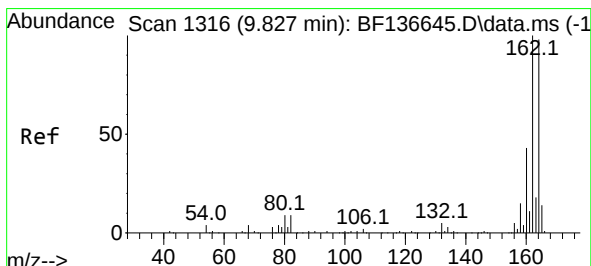
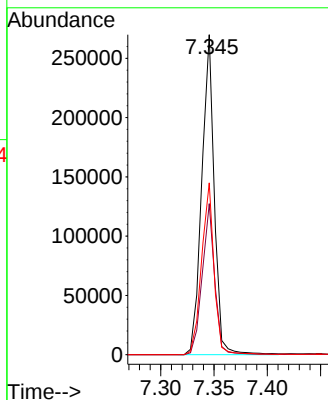
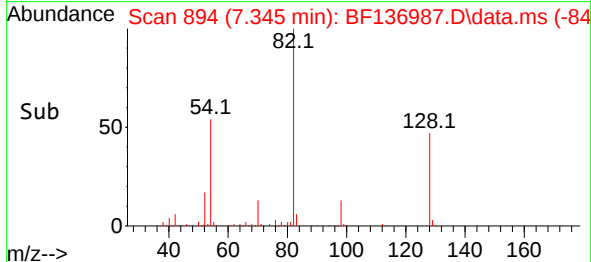
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion: 82 Resp: 222180
Ion Ratio Lower Upper
82 100
128 47.2 35.3 52.9
54 53.7 44.5 66.7

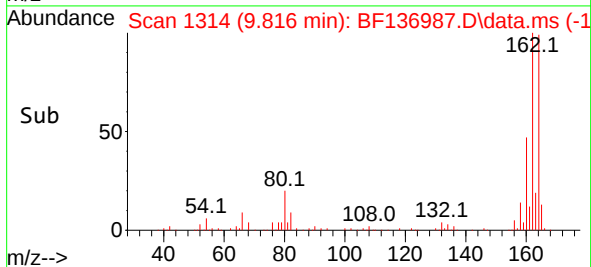
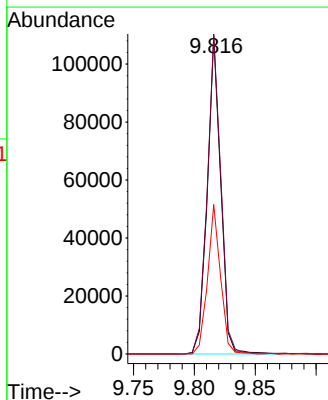
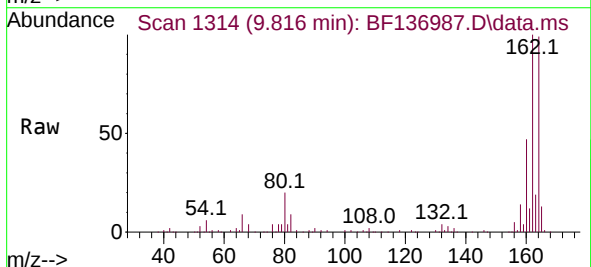
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:164 Resp: 83386
Ion Ratio Lower Upper
164 100
162 100.7 81.6 122.4
160 47.0 34.9 52.3





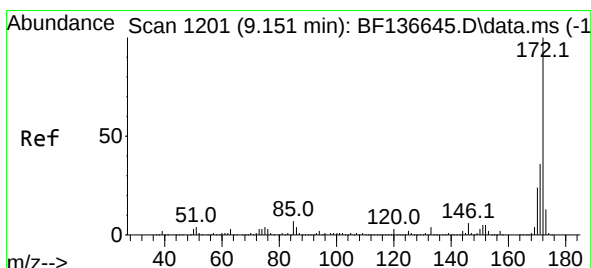
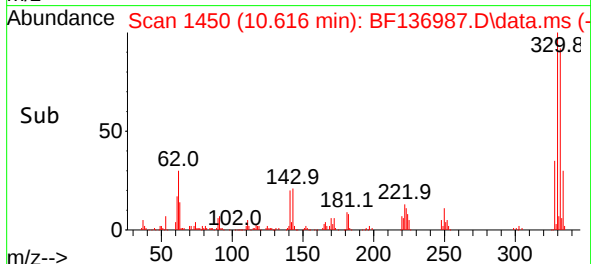
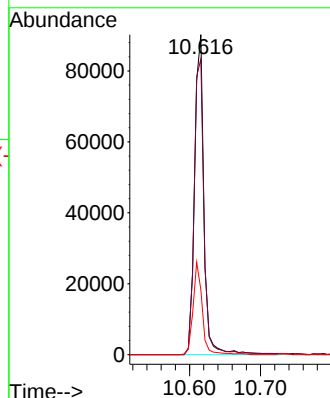
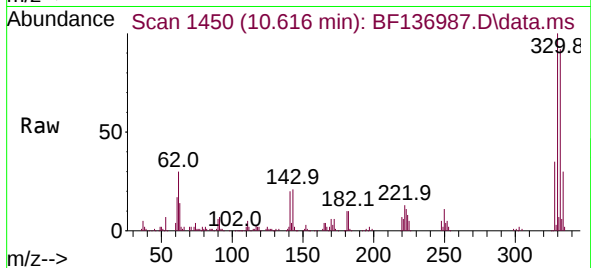
#42
2,4,6-Tribromophenol
Concen: 84.530 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 330 Resp: 8301
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 28.2 23.4 35.2

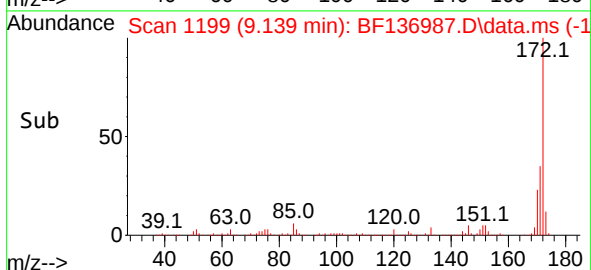
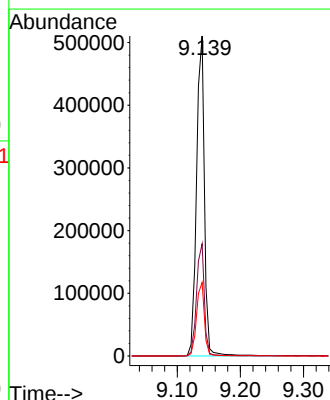
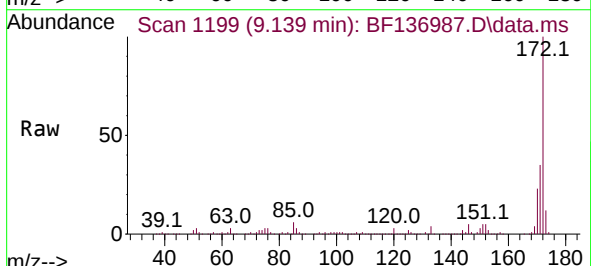
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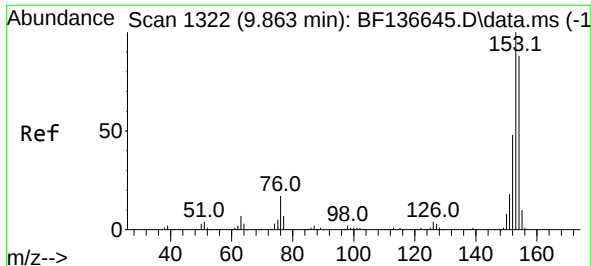
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#45
2-Fluorobiphenyl
Concen: 71.534 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

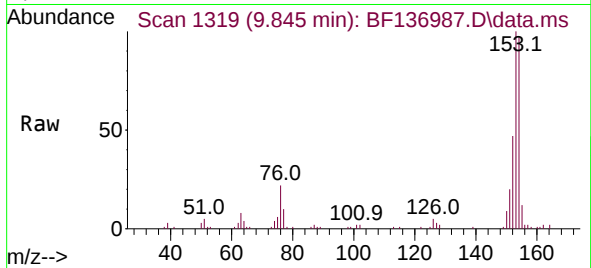
Tgt Ion: 172 Resp: 443495
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.6
170 23.0 19.0 28.4





#52
Acenaphthene
Concen: 3.957 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

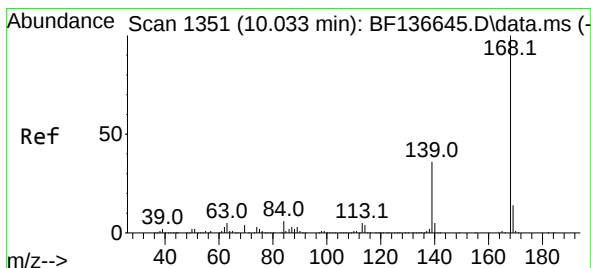
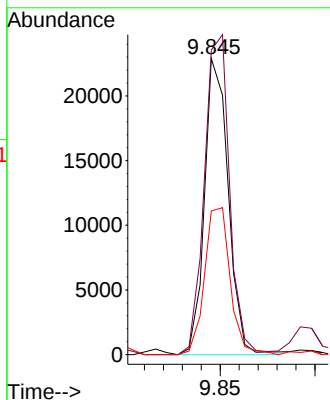
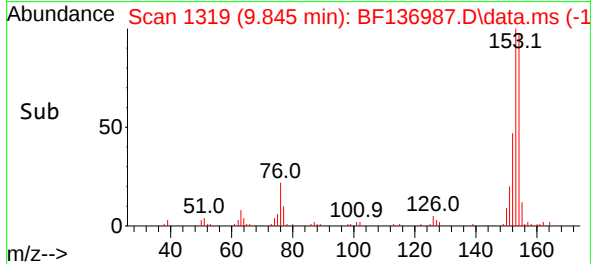
Instrument :
BNA_F
ClientSampleId :
COMP-1



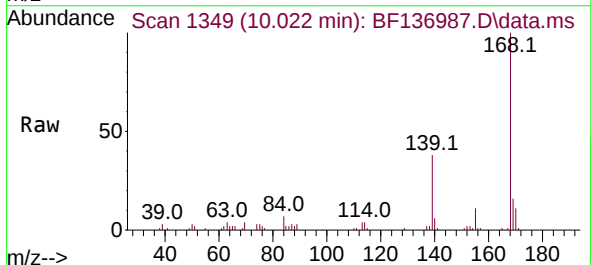
Tgt Ion:154 Resp: 19944
Ion Ratio Lower Upper
154 100
153 102.9 90.7 136.1
152 48.5 43.7 65.5

Manual Integrations
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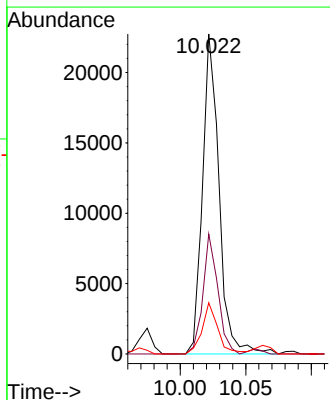
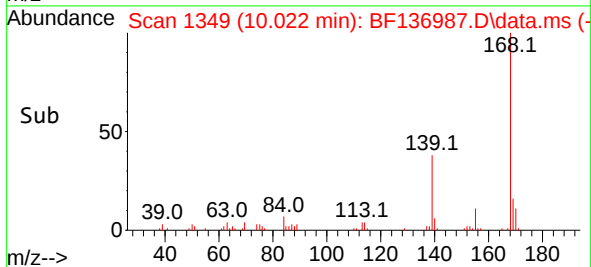
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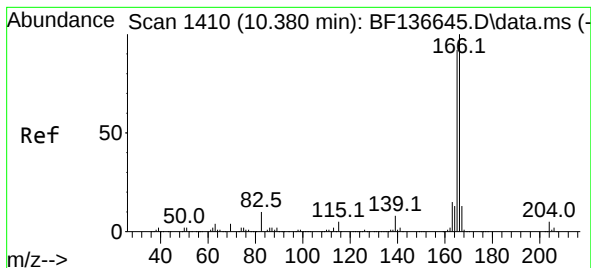


#55
Dibenzofuran
Concen: 2.619 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05



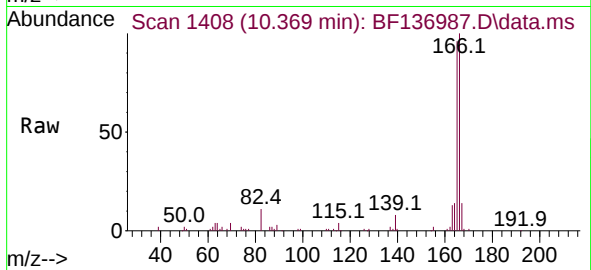
Tgt Ion:168 Resp: 20008
Ion Ratio Lower Upper
168 100
139 37.5 29.3 43.9
169 16.0 11.0 16.4





#58
Fluorene
Concen: 5.352 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

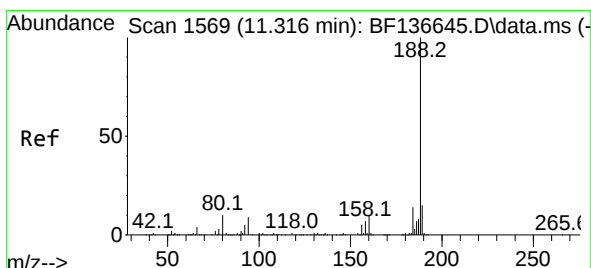
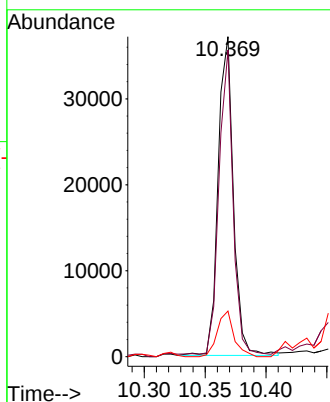
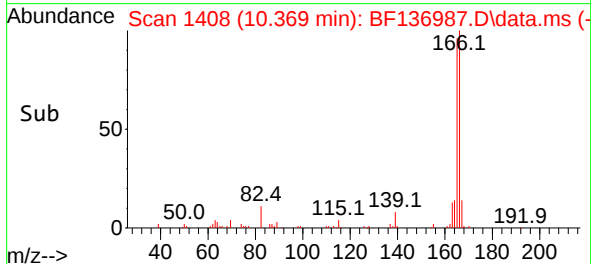
Instrument :
BNA_F
ClientSampleId :
COMP-1



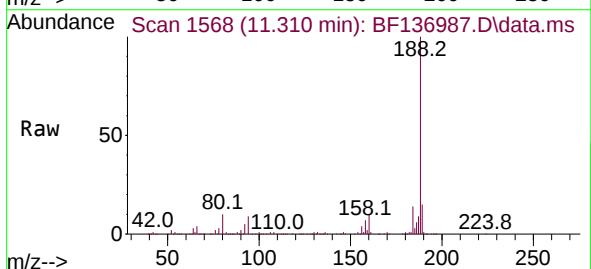
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Ion Ratio Lower Upper
166 100
165 95.8 73.7 110.5
167 14.3 10.4 15.6

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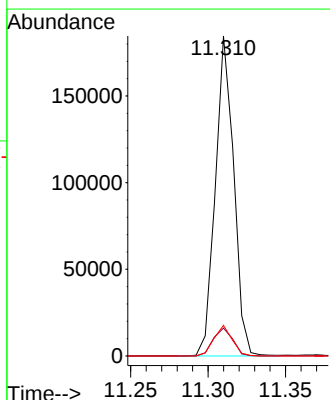
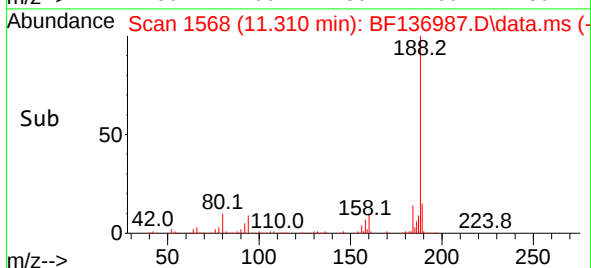
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024

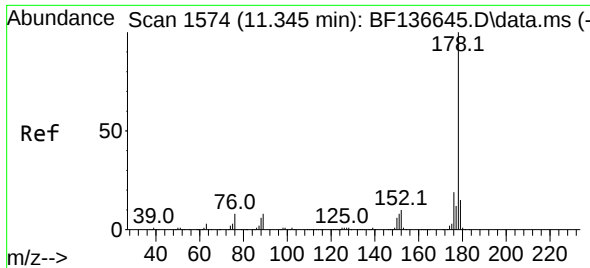


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05



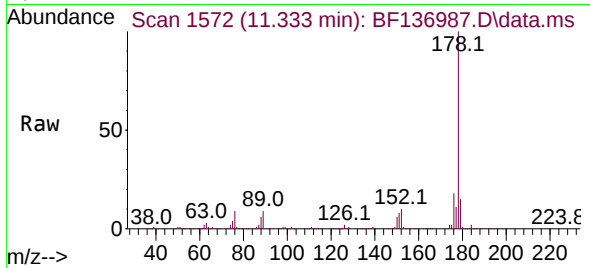
Tgt Ion:188 Resp: 152571
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.5 8.1 12.1





#71
Phenanthrene
Concen: 29.539 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

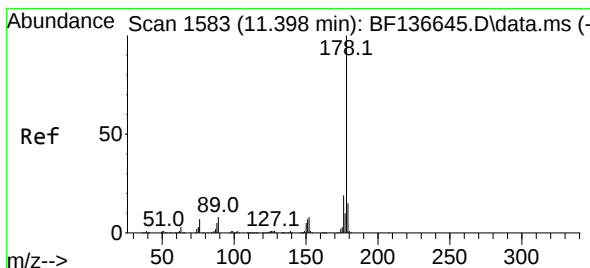
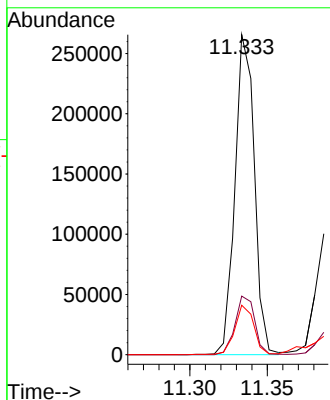
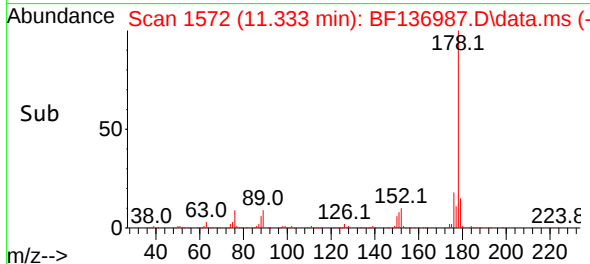
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:178 Resp: 231240
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.5 11.9 17.9

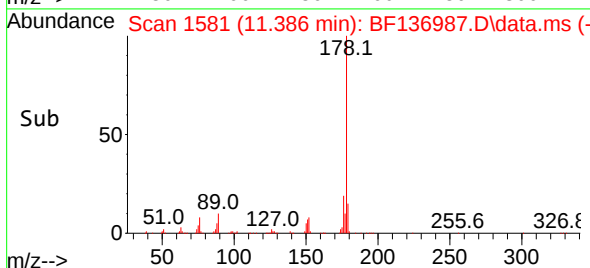
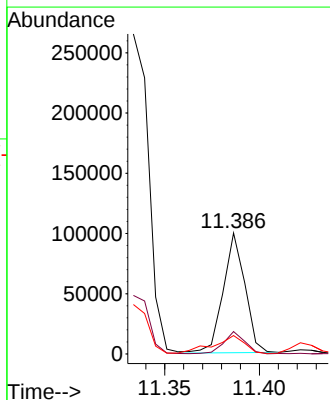
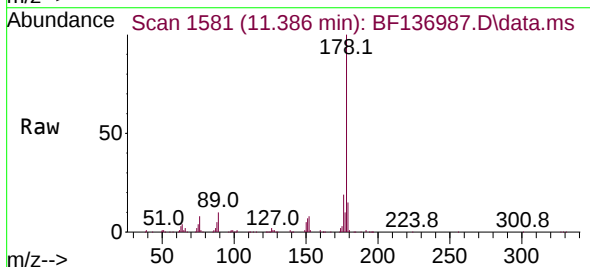
Manual Integrations
APPROVED

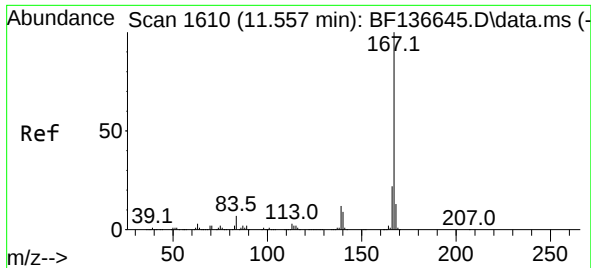
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#72
Anthracene
Concen: 10.047 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:178 Resp: 79653
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.3 11.8 17.6





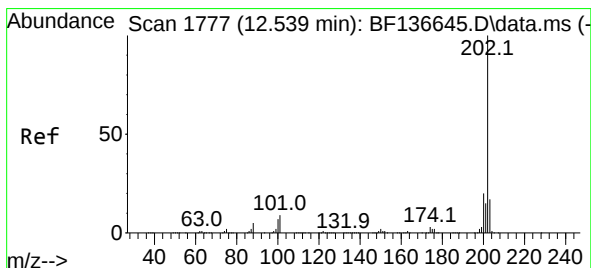
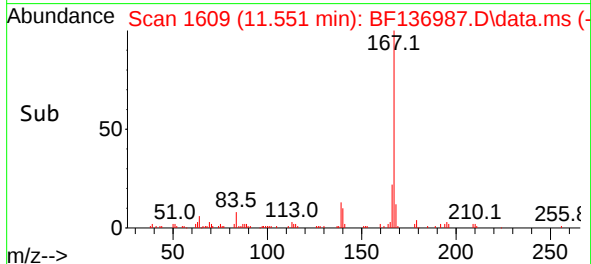
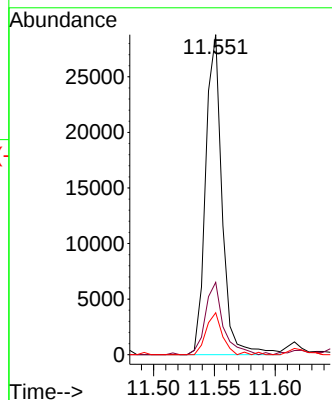
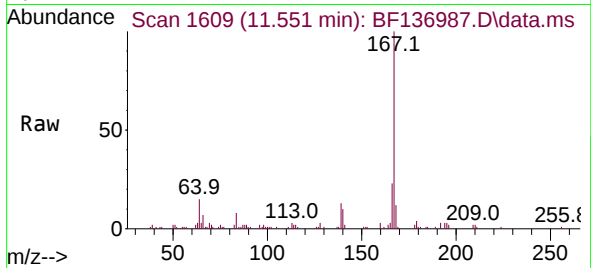
#73
 Carbazole
 Concen: 3.630 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF136987.D
 Acq: 05 Jan 2024 21:05

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tgt Ion:167 Resp: 27130
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.3 25.9
 139 13.1 9.8 14.6

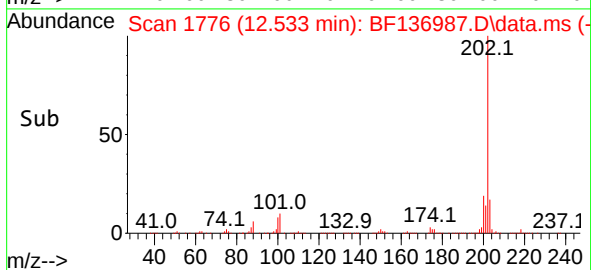
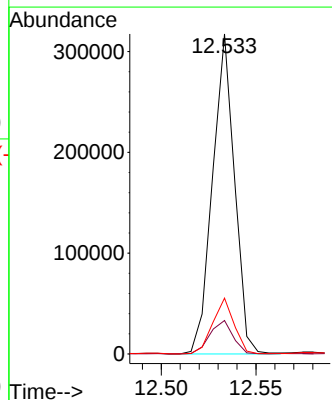
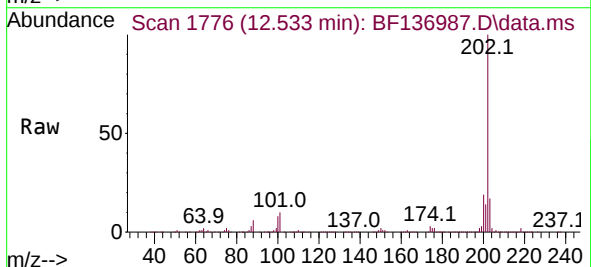
Manual Integrations
 APPROVED

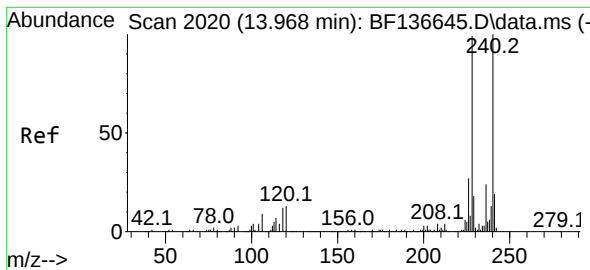
Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024



#75
 Fluoranthene
 Concen: 30.694 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF136987.D
 Acq: 05 Jan 2024 21:05

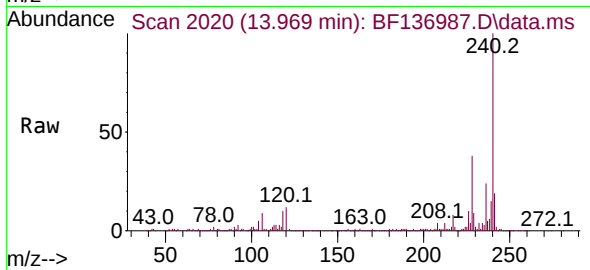
Tgt Ion:202 Resp: 257025
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 29.3
 203 17.5 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

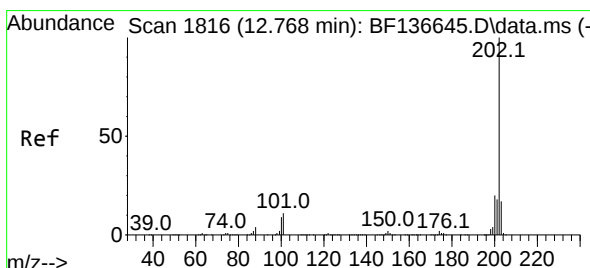
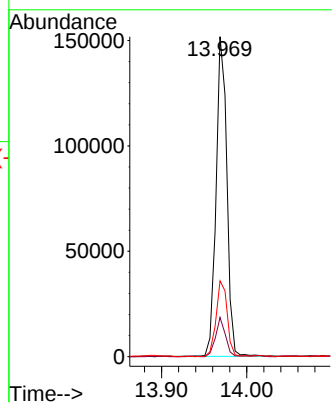
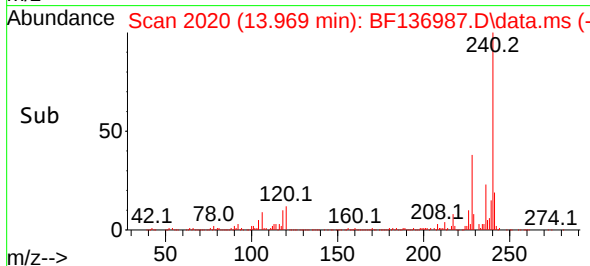
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:240 Resp: 133309
Ion Ratio Lower Upper
240 100
120 12.3 10.3 15.5
236 23.7 19.4 29.2

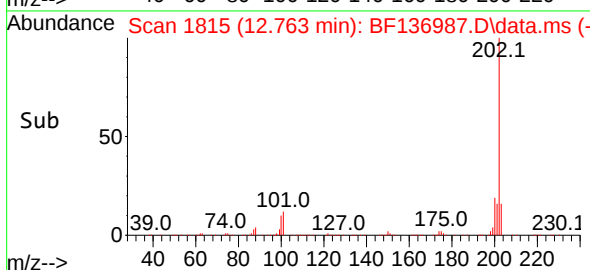
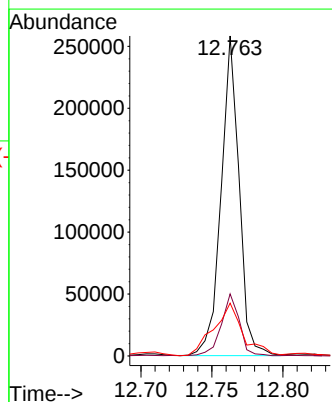
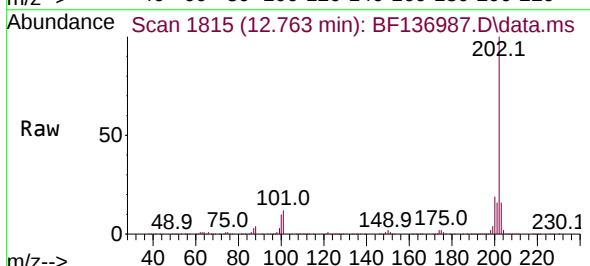
Manual Integrations
APPROVED

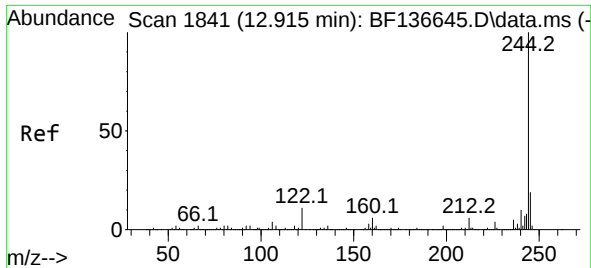
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#78
Pyrene
Concen: 17.380 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

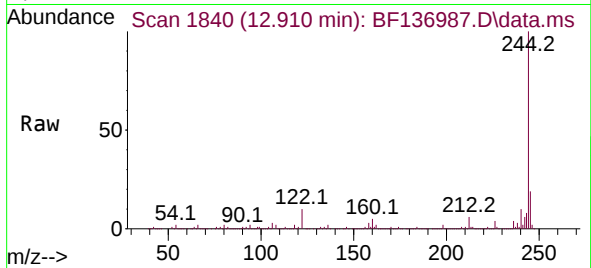
Tgt Ion:202 Resp: 227438
Ion Ratio Lower Upper
202 100
200 19.4 15.9 23.9
203 16.5 13.8 20.6





#79
 Terphenyl-d14
 Concen: 51.888 ng
 RT: 12.910 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136987.D
 Acq: 05 Jan 2024 21:05

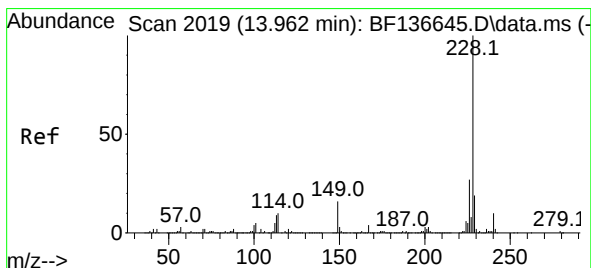
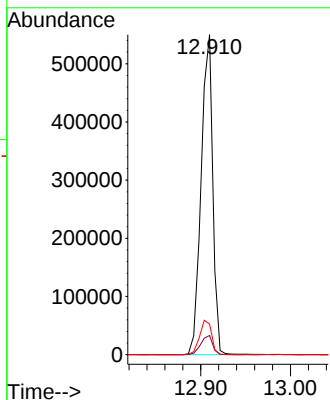
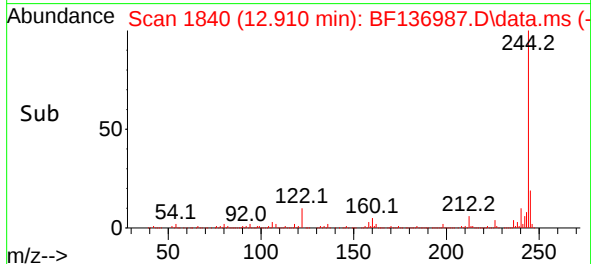
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



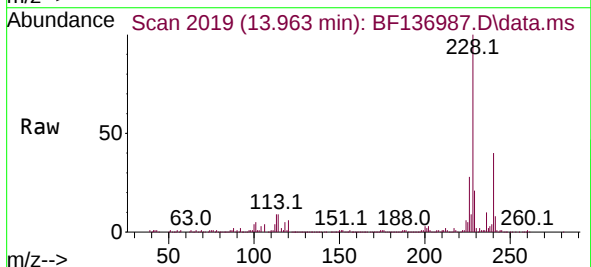
Tgt Ion:244 Resp: 494980
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 9.6 9.0 13.4

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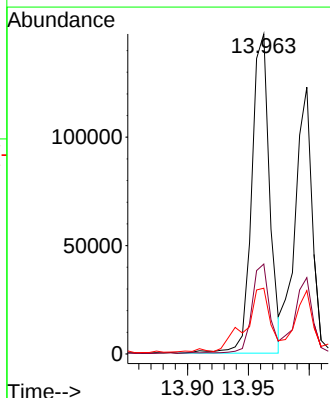
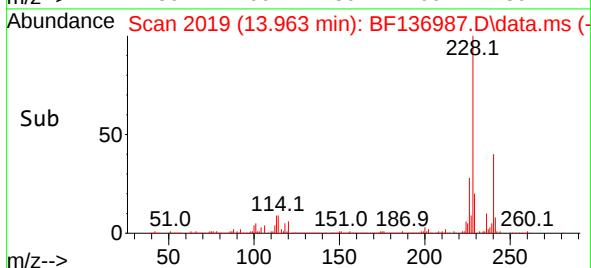
Reviewed By :Yogesh Patel 01/06/2024
 Supervised By :mohammad ahmed 01/06/2024

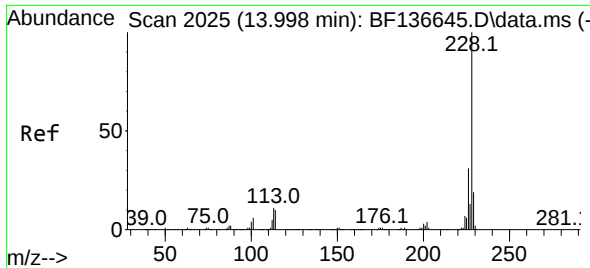


#81
 Benzo(a)anthracene
 Concen: 16.206 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF136987.D
 Acq: 05 Jan 2024 21:05



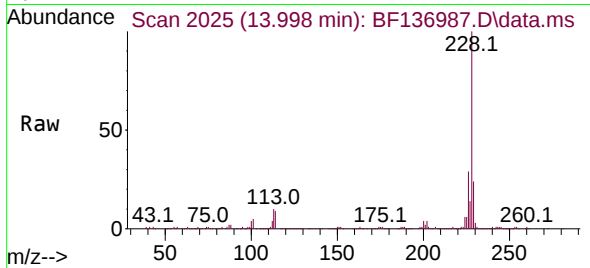
Tgt Ion:228 Resp: 150018
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.0
 229 20.6 14.9 22.3





#83
Chrysene
Concen: 13.597 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

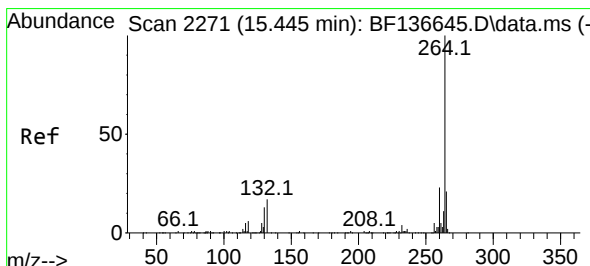
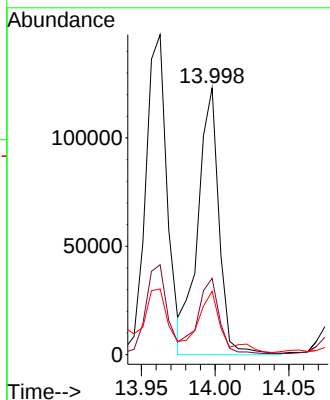
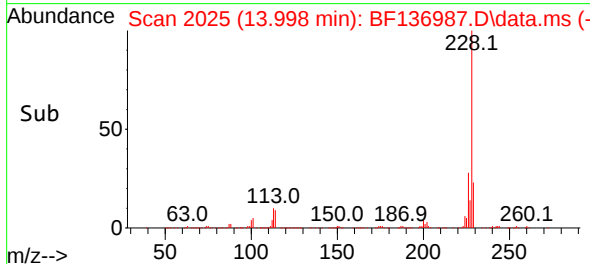
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:228 Resp: 123080
Ion Ratio Lower Upper
228 100
226 28.6 24.7 37.1
229 23.8 15.4 23.0

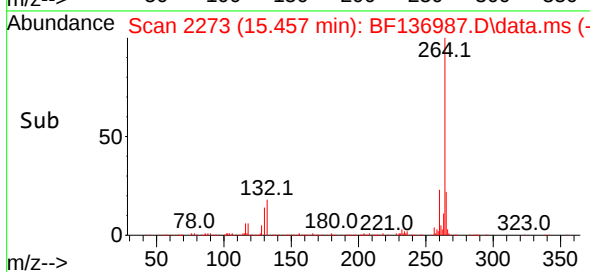
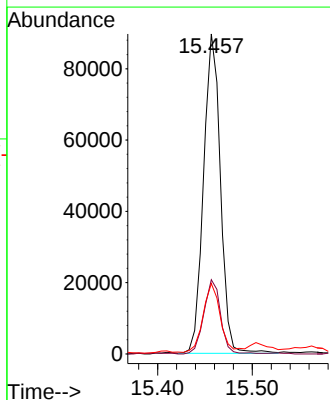
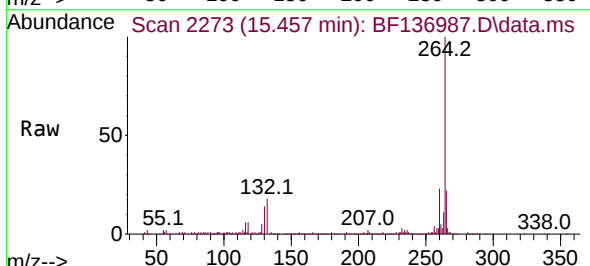
Manual Integrations
APPROVED

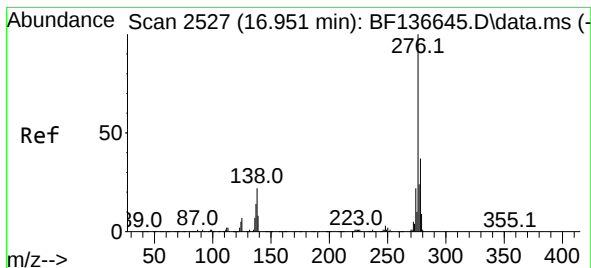
Reviewed By :Yogesh Patel 01/06/2024
Supervised By :mohammad ahmed 01/06/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:264 Resp: 110890
Ion Ratio Lower Upper
264 100
260 23.2 18.3 27.5
265 22.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.957 ng

RT: 16.974 min Scan# 2199

Delta R.T. 0.024 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:276 Resp: 31678

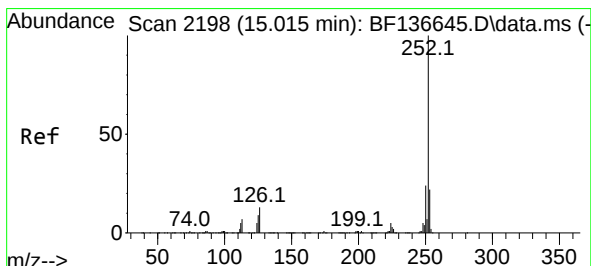
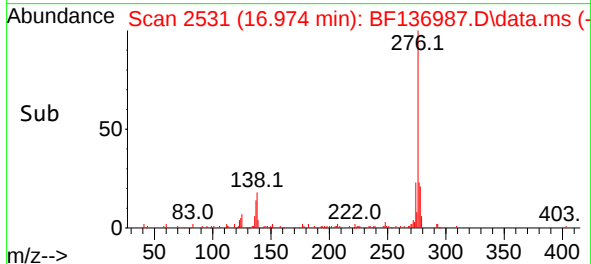
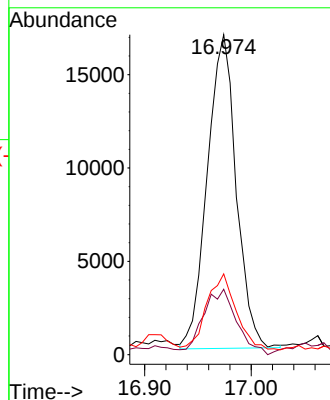
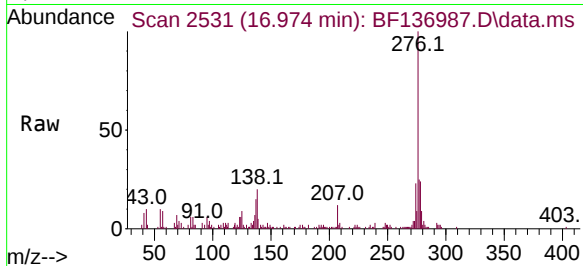
Ion	Ratio	Lower	Upper
276	100		
138	24.2	18.7	28.1
277	24.7	20.2	30.2

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: 14.643 ng m

RT: 15.021 min Scan# 2199

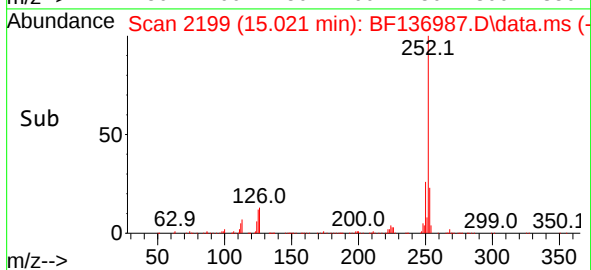
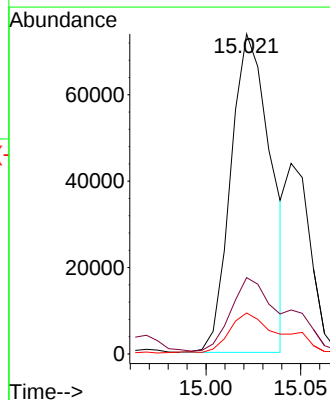
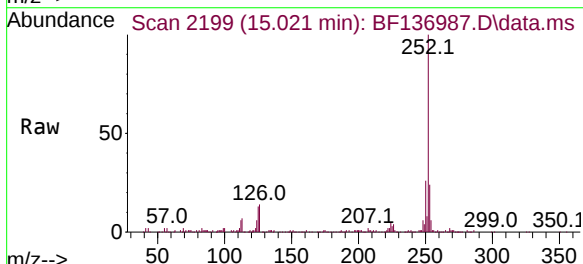
Delta R.T. 0.006 min

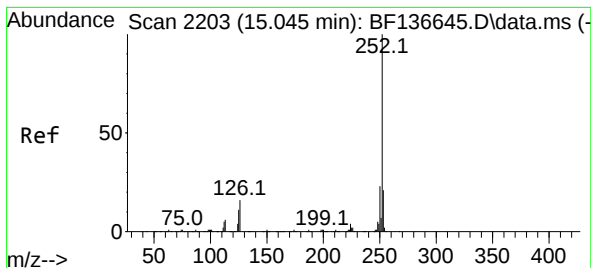
Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Tgt Ion:252 Resp: 108451

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	12.8	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 5.411 ng m

RT: 15.045 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

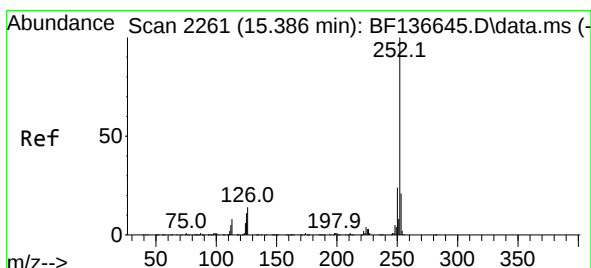
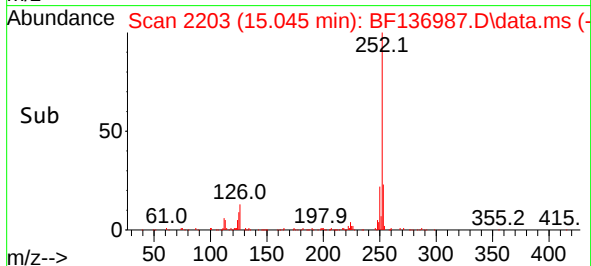
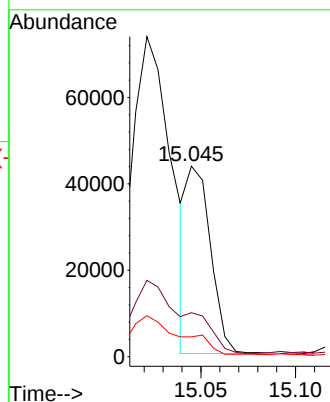
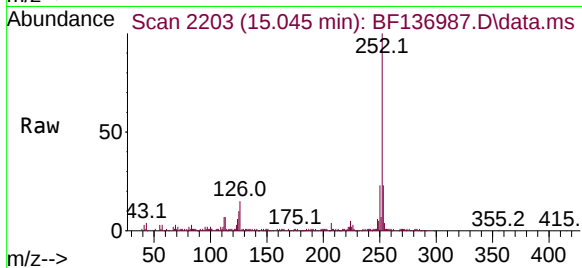
Tgt Ion:	252	Resp:	37869
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	10.4	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024



#90

Benzo(a)pyrene

Concen: 12.469 ng

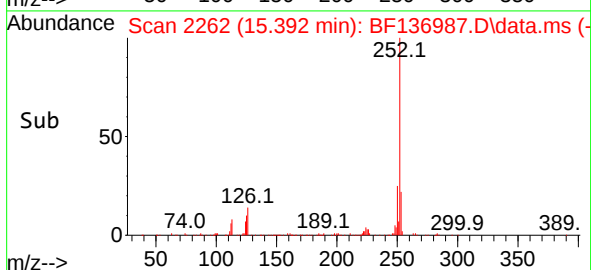
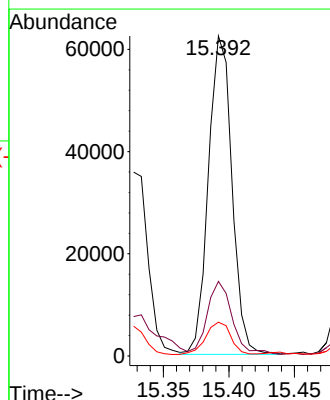
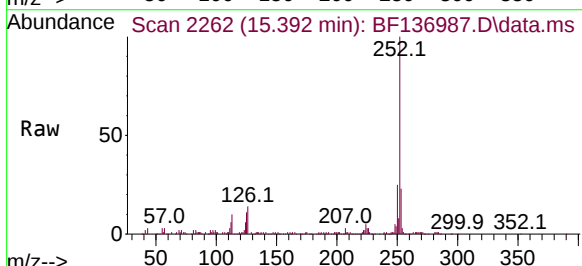
RT: 15.392 min Scan# 2262

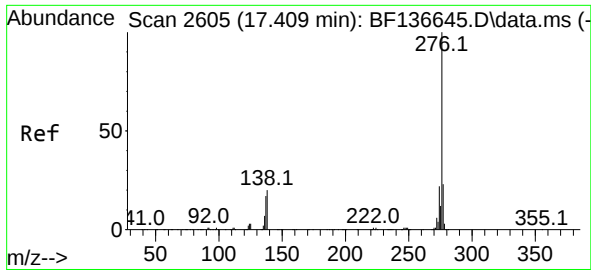
Delta R.T. 0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Tgt Ion:	252	Resp:	77955
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	10.6	8.8	13.2





#92

Benzo(g,h,i)perylene

Concen: 3.888 ng

RT: 17.433 min Scan# 20609

Delta R.T. 0.024 min

Lab File: BF136987.D

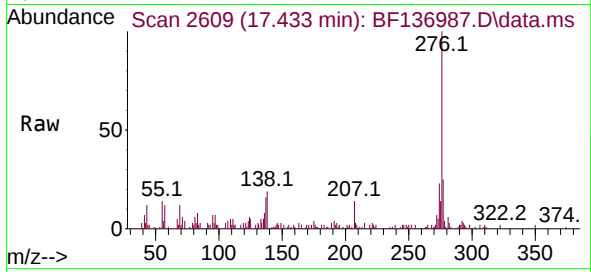
Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion:276 Resp: 2615

Ion Ratio Lower Upper

276 100

277 24.7 18.3 27.5

138 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/06/2024

Supervised By :mohammad ahmed 01/06/2024

