

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134647.D
 Acq On : 07 Aug 2023 11:23
 Operator : CG\JU
 Sample : 03897-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

Quant Time: Aug 08 01:19:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	198959	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	734573	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	313477	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	246007	20.000	ng	# 0.01
76) Chrysene-d12	14.039	240	205239	20.000	ng	0.06
86) Perylene-d12	15.468	264	547002	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	927796	70.886	ng	0.00
7) Phenol-d6	6.428	99	1171376	70.012	ng	-0.01
23) Nitrobenzene-d5	7.357	82	674464	57.379	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	228833	71.609	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1112716	59.019	ng	-0.01
79) Terphenyl-d14	12.974	244	398235	34.206	ng	0.05
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	113871	8.714	ng	# 75
75) Fluoranthene	12.592	202	234460	16.986	ng	77
78) Pyrene	12.827	202	200084	11.266	ng	# 77
81) Benzo(a)anthracene	14.027	228	172541	11.757	ng	93
83) Chrysene	14.063	228	191048	13.362	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	258503	8.035	ng	# 94
88) Benzo(b)fluoranthene	15.045	252	606670m	18.185	ng	
89) Benzo(k)fluoranthene	15.074	252	212435m	6.392	ng	
90) Benzo(a)pyrene	15.404	252	389004	12.506	ng	# 93
91) Dibenzo(a,h)anthracene	16.951	278	64442	2.479	ng	# 88
92) Benzo(g,h,i)perylene	17.380	276	221943	8.369	ng	# 92

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

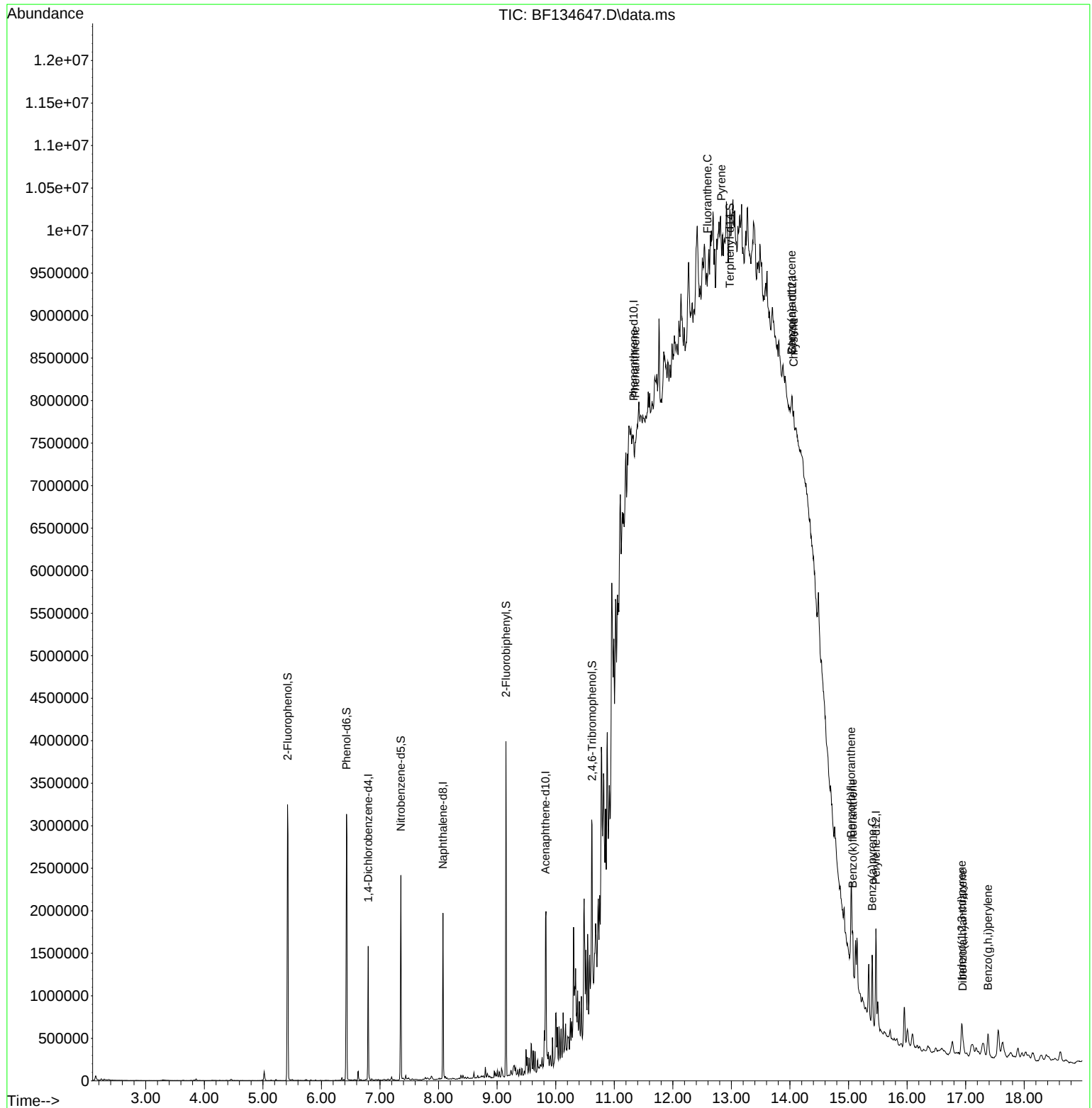
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
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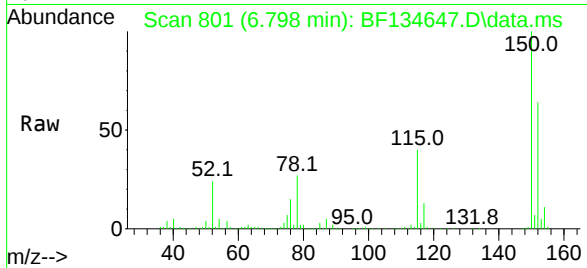
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF134647.D
 Acq: 07 Aug 2023 11:23

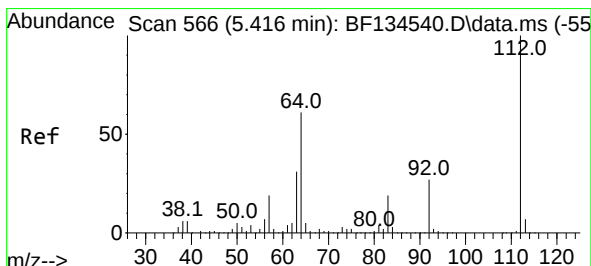
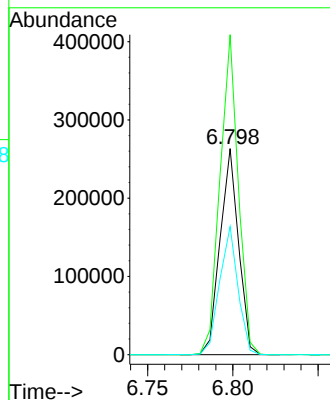
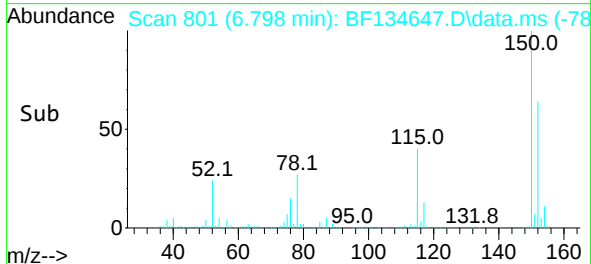
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



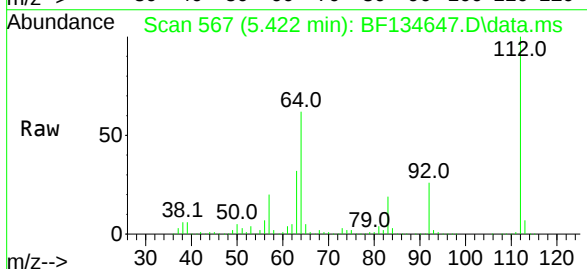
Tgt Ion:152 Resp: 198959
 Ion Ratio Lower Upper
 152 100
 150 155.2 128.3 192.5
 115 62.1 52.4 78.6

Manual Integrations
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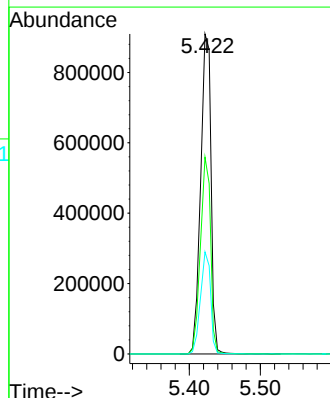
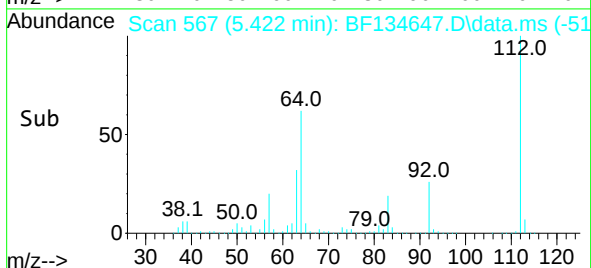
Reviewed By :Yogesh Patel 08/08/2023
 Supervised By :mohammad ahmed 08/08/2023

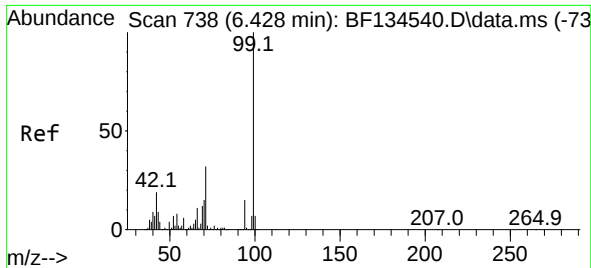


#5
 2-Fluorophenol
 Concen: 70.886 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF134647.D
 Acq: 07 Aug 2023 11:23



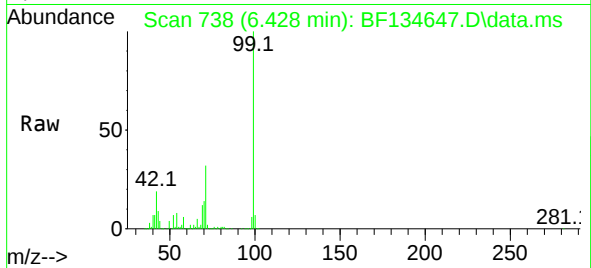
Tgt Ion:112 Resp: 927796
 Ion Ratio Lower Upper
 112 100
 64 61.5 44.9 67.3
 63 31.9 25.4 38.0





#7
Phenol-d6
Concen: 70.012 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

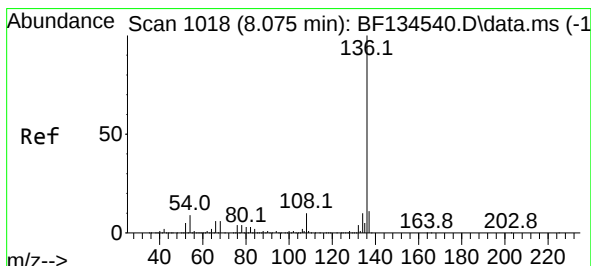
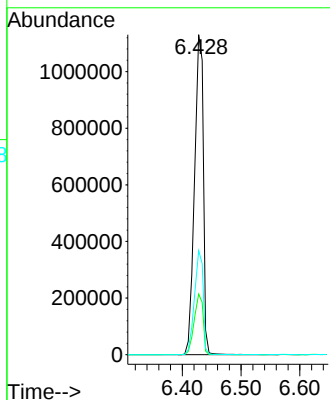
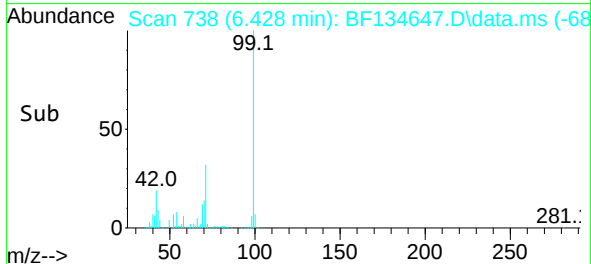
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 1171370
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 32.5 36.4 54.6

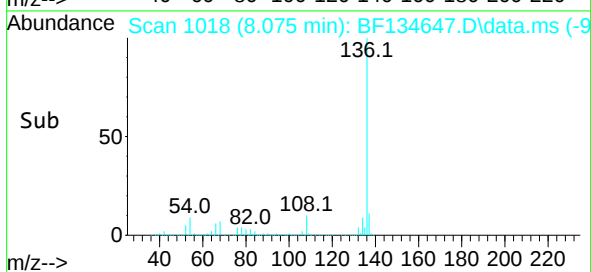
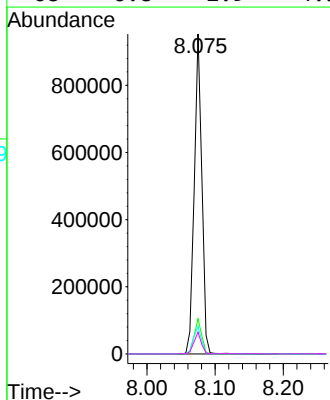
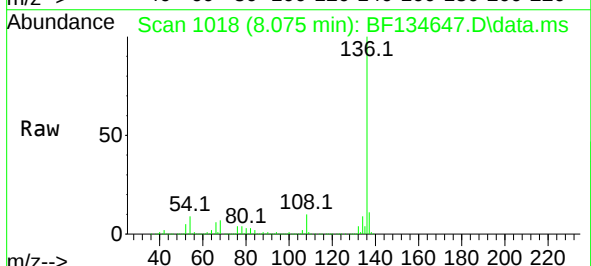
Manual Integrations
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Supervised By :mohammad ahmed 08/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion:136 Resp: 734573
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.6 5.2 7.8#
68 6.8 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 57.379 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134647.D

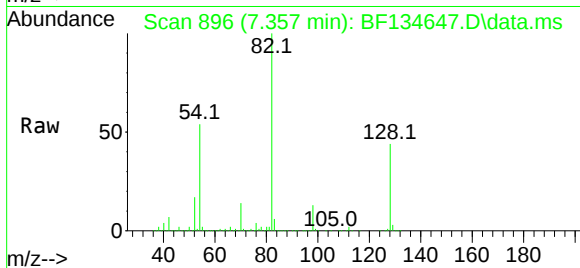
Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion: 82 Resp: 674464

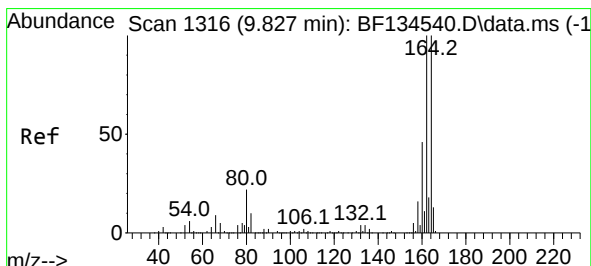
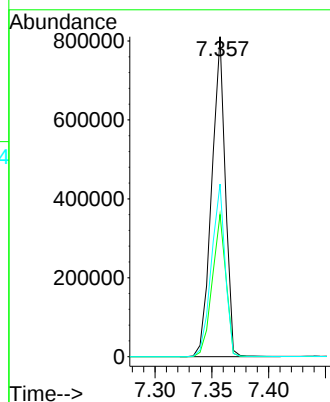
Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.3	51.5
54	53.9	43.8	65.6

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Supervised By :mohammad ahmed 08/08/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

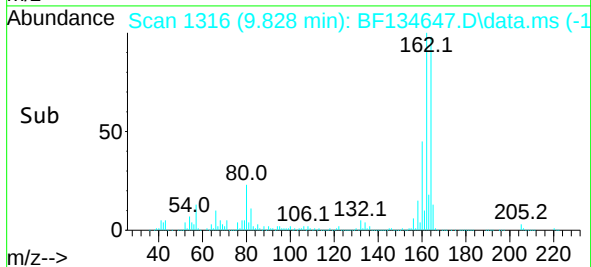
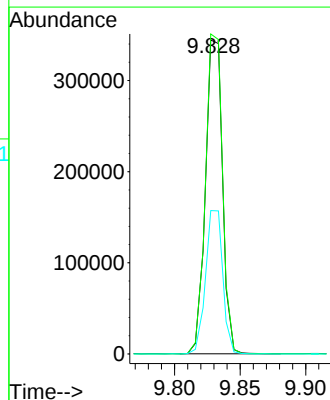
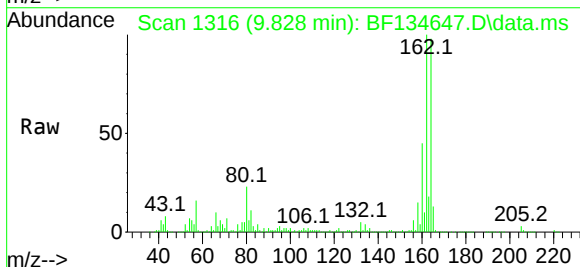
Delta R.T. -0.006 min

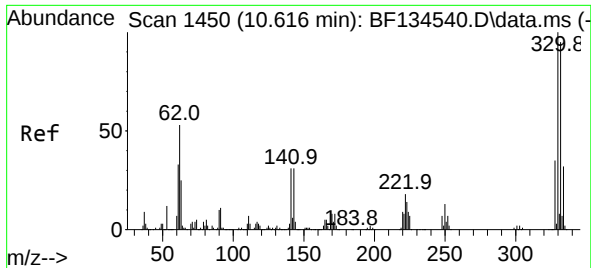
Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Tgt Ion:164 Resp: 313477

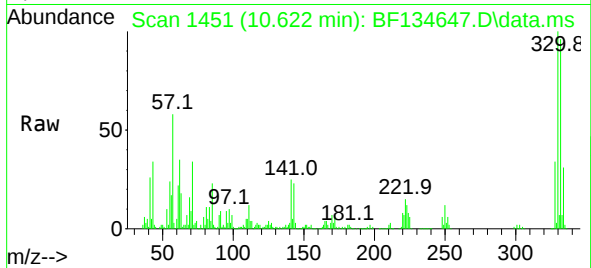
Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	123.8
160	45.7	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 71.609 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

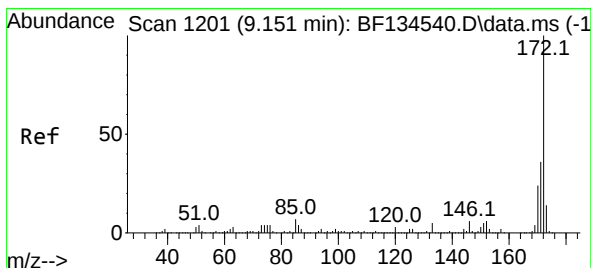
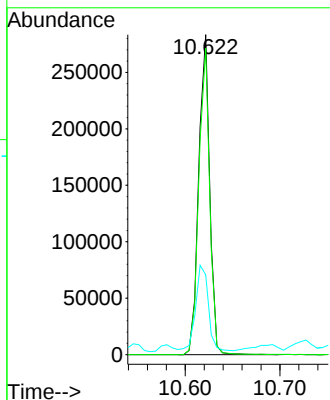
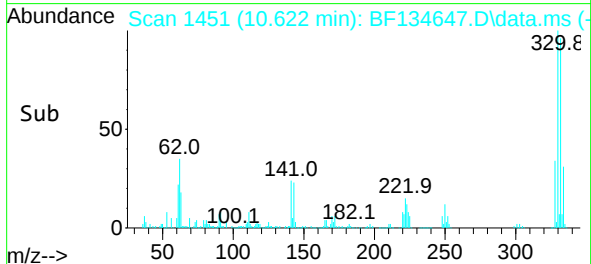
Instrument :
BNA_F
ClientSampleId :
WC-1



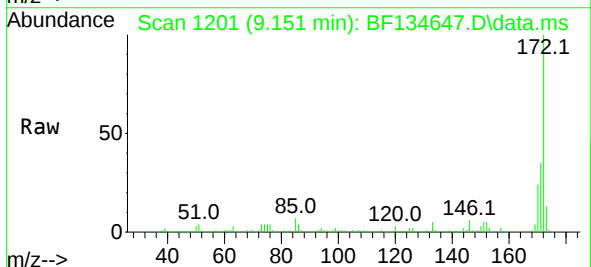
Tgt Ion: 330 Resp: 22883
Ion Ratio Lower Upper
330 100
332 95.1 78.8 118.2
141 30.5 25.4 38.2

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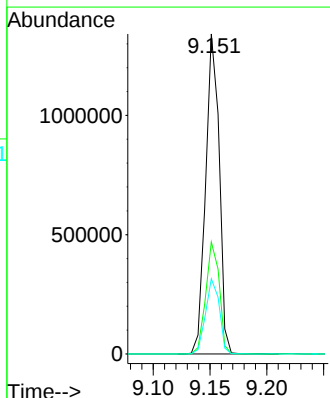
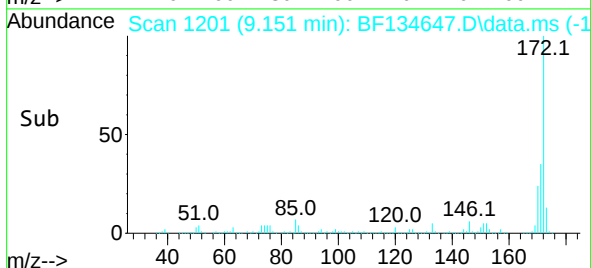
Reviewed By : Yogesh Patel 08/08/2023
Supervised By : mohammad ahmed 08/08/2023

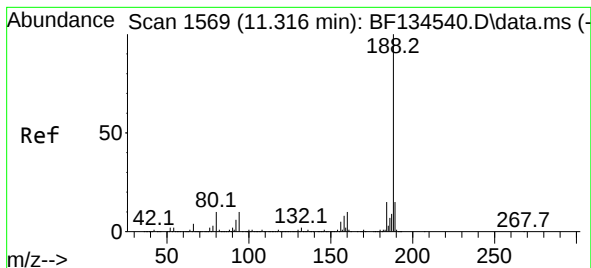


#45
2-Fluorobiphenyl
Concen: 59.019 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23



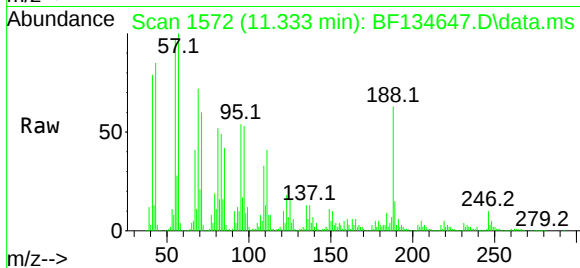
Tgt Ion: 172 Resp: 1112716
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.5 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.012 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

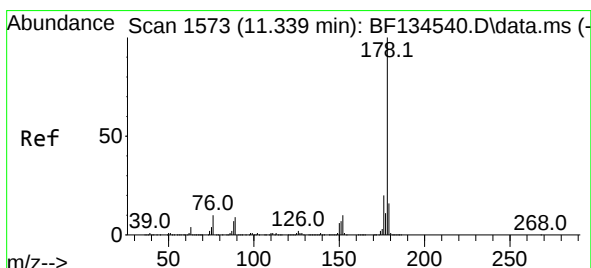
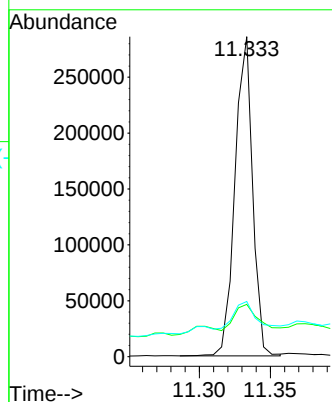
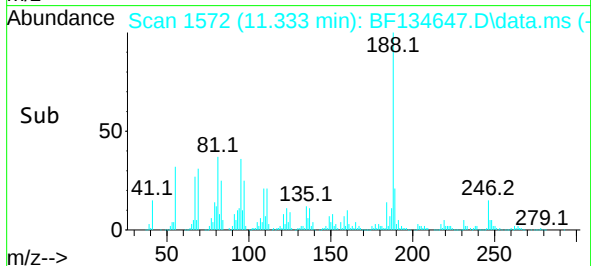
Instrument :
BNA_F
ClientSampleId :
WC-1



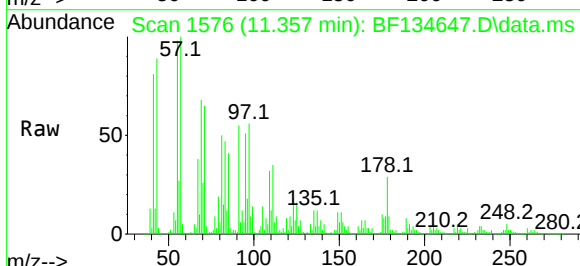
Tgt Ion:188 Resp: 246000
Ion Ratio Lower Upper
188 100
94 16.4 5.1 7.7
80 17.3 6.6 9.8

Manual Integrations
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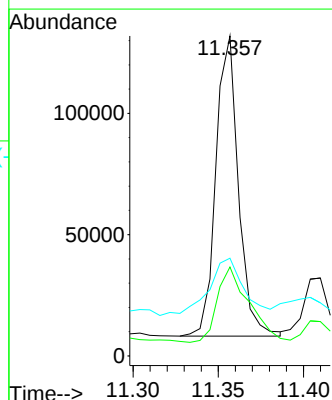
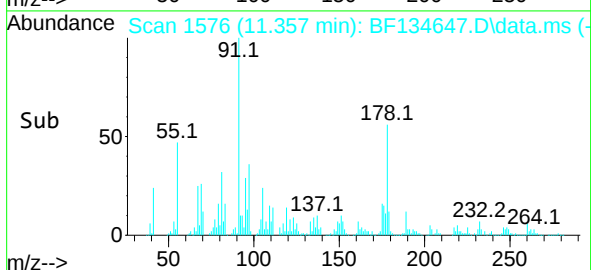
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

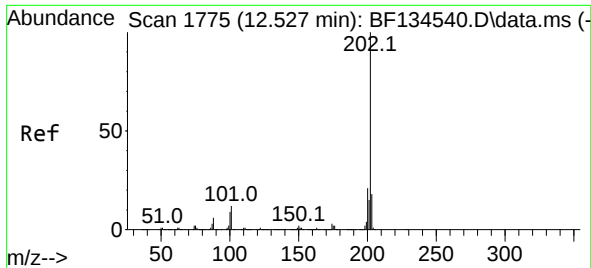


#71
Phenanthrene
Concen: 8.714 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23



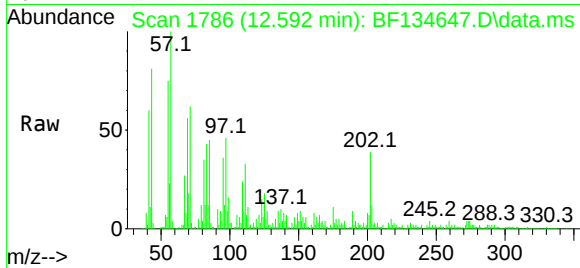
Tgt Ion:178 Resp: 113871
Ion Ratio Lower Upper
178 100
176 27.8 15.8 23.6#
179 30.5 12.7 19.1#





#75
Fluoranthene
Concen: 16.986 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.053 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

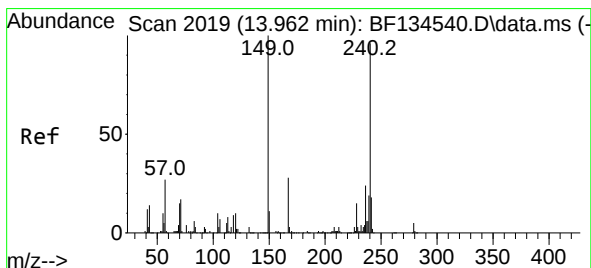
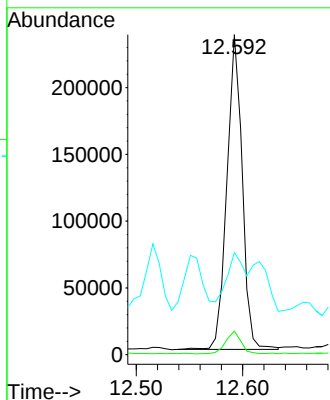
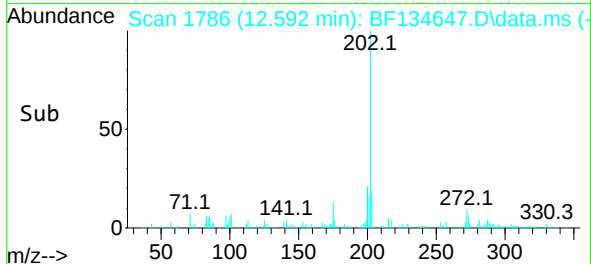
Instrument :
BNA_F
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WC-1



Tgt Ion:202 Resp: 234460
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.5
203 31.9 0.0 37.5

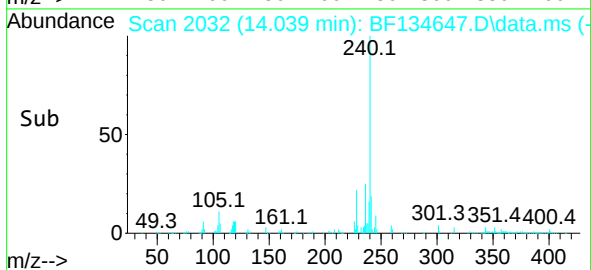
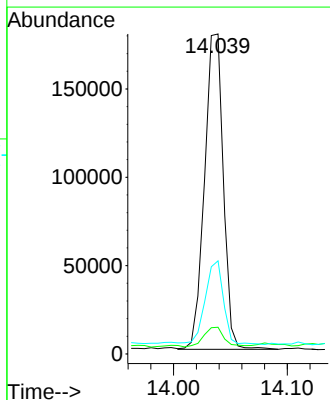
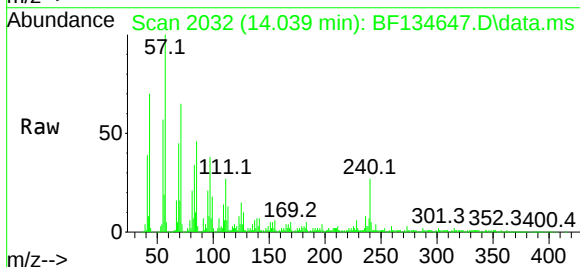
Manual Integrations
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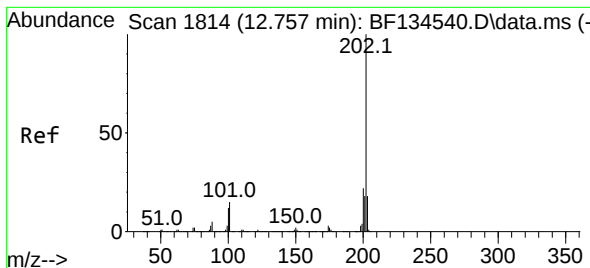
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.065 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion:240 Resp: 205239
Ion Ratio Lower Upper
240 100
120 8.3 6.6 10.0
236 29.1 20.2 30.2





#78

Pyrene

Concen: 11.266 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.059 min

Lab File: BF134647.D

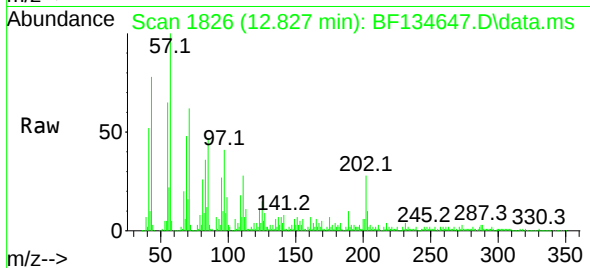
Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1



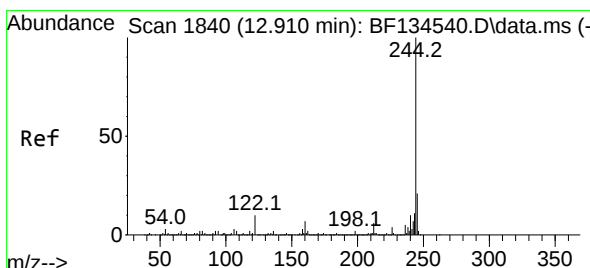
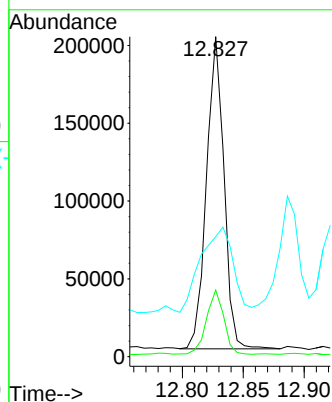
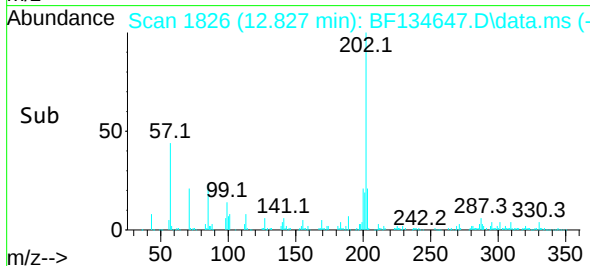
Tgt Ion:	202	Resp:	200084
Ion Ratio	Lower	Upper	
202	100		
200	20.8	15.8	23.8
203	37.5	13.5	20.3

Manual Integrations

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#79

Terphenyl-d14

Concen: 34.206 ng

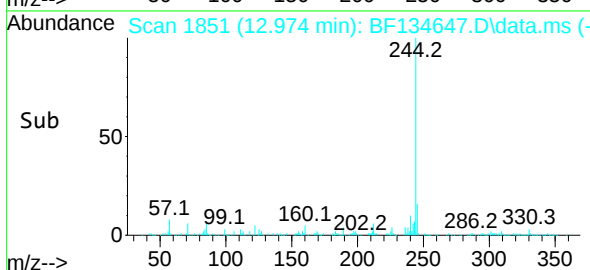
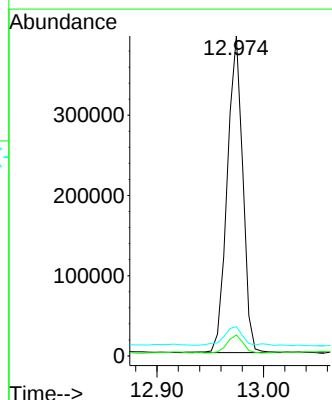
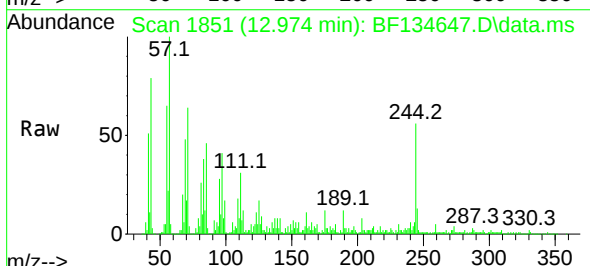
RT: 12.974 min Scan# 1851

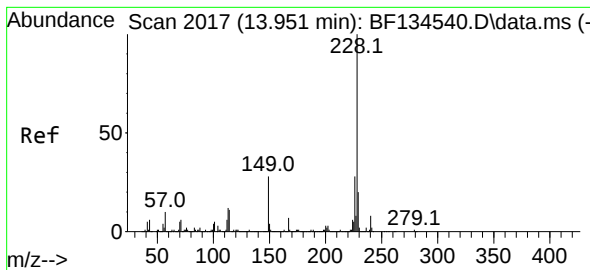
Delta R.T. 0.053 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Tgt Ion:	244	Resp:	398235
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.6	8.4
122	9.2	8.0	12.0





#81

Benzo(a)anthracene

Concen: 11.757 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.065 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 17254

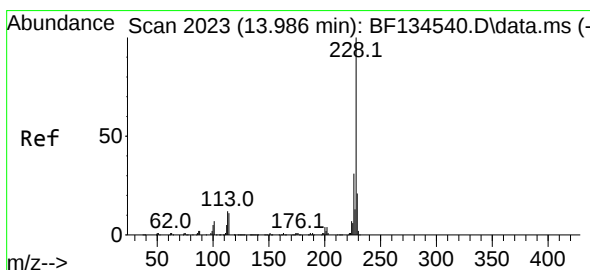
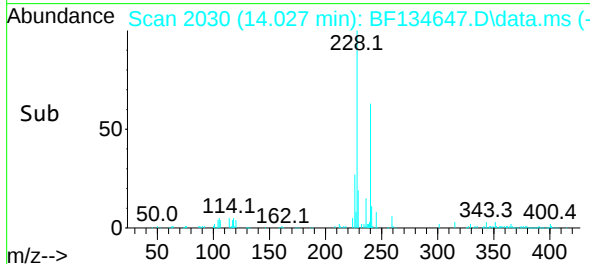
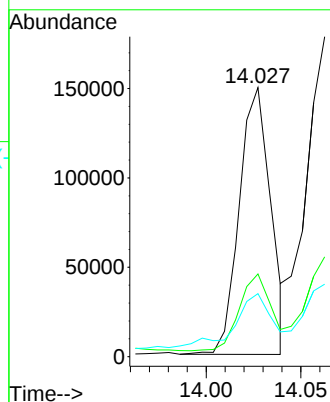
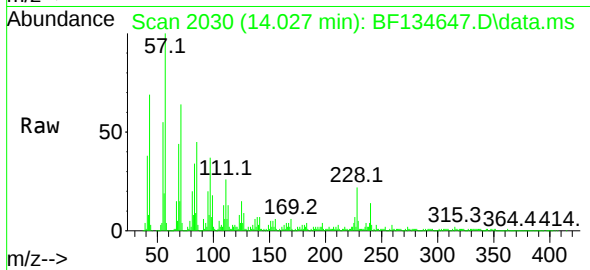
Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.3	33.5
229	23.4	15.8	23.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#83

Chrysene

Concen: 13.362 ng

RT: 14.063 min Scan# 2036

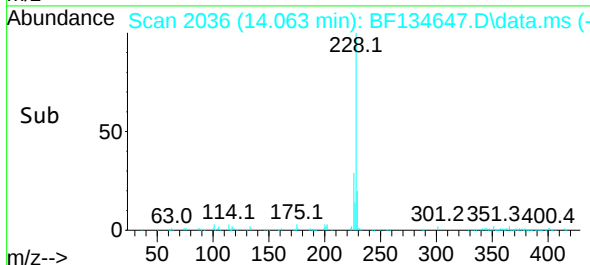
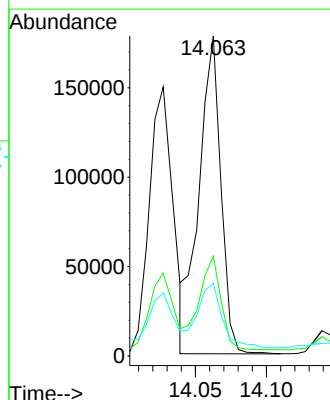
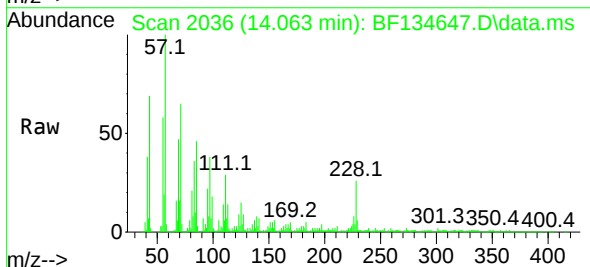
Delta R.T. 0.065 min

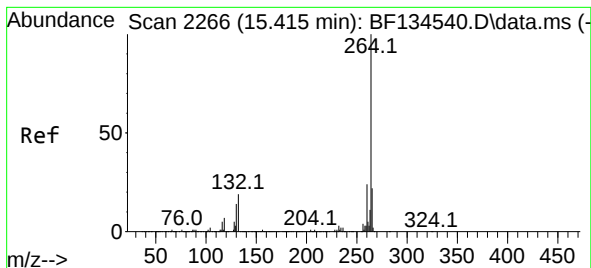
Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Tgt Ion:228 Resp: 191048

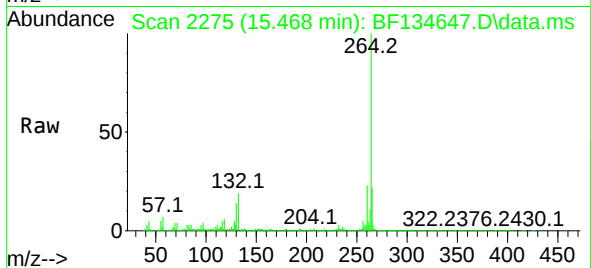
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.5	36.7
229	22.6	15.8	23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

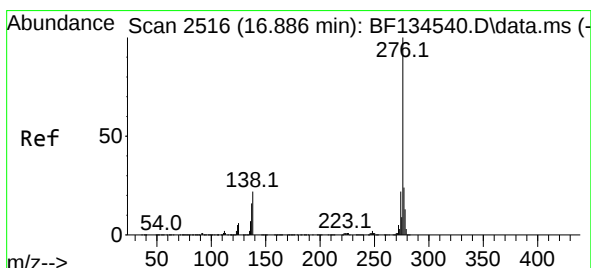
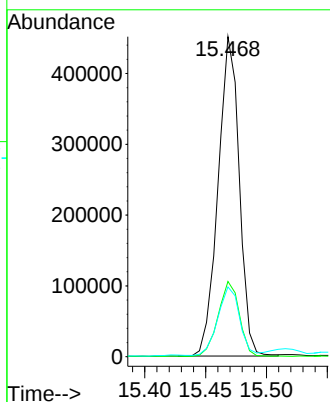
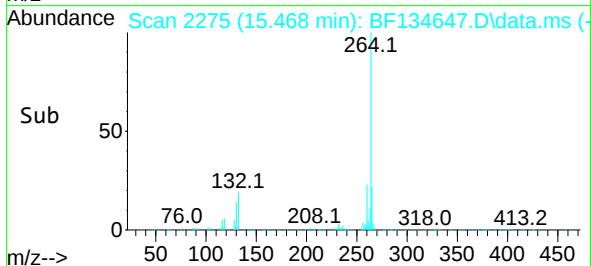
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:264 Resp: 54700
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 21.8 15.8 23.8

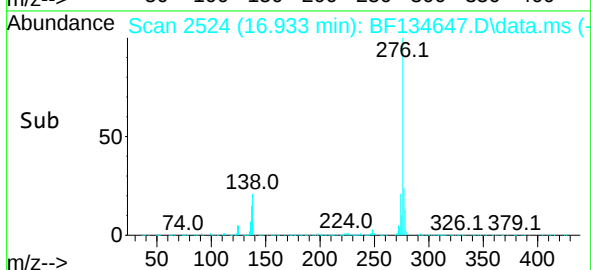
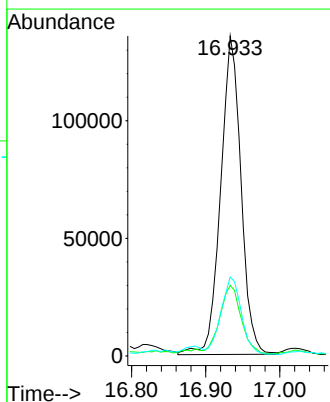
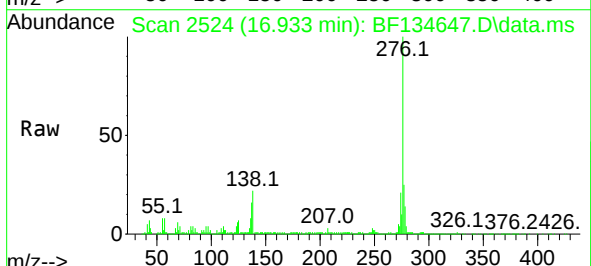
Manual Integrations
APPROVED

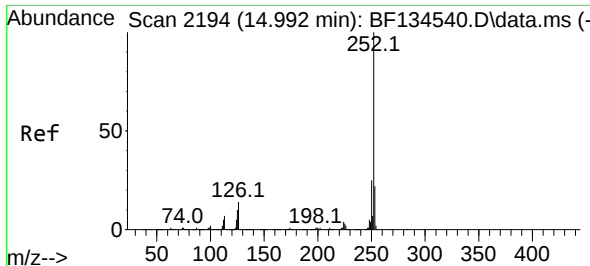
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.035 ng
RT: 16.933 min Scan# 2524
Delta R.T. 0.006 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Tgt Ion:276 Resp: 258503
Ion Ratio Lower Upper
276 100
138 23.7 14.2 21.4#
277 24.3 19.9 29.9





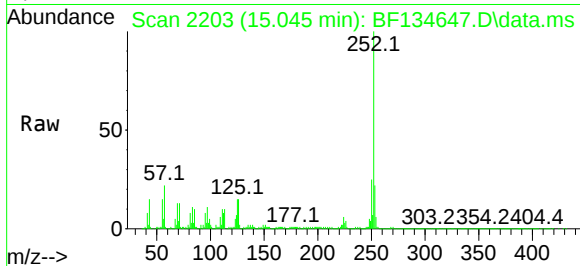
#88
Benzo(b)fluoranthene
Concen: 18.185 ng m
RT: 15.045 min Scan# 2194
Delta R.T. 0.035 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

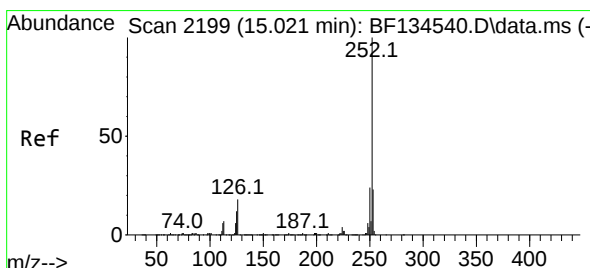
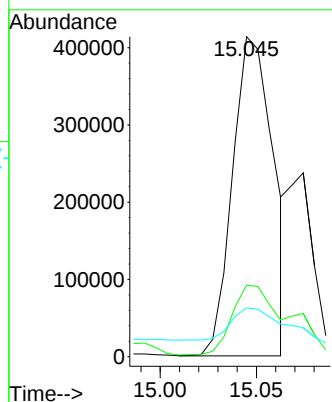
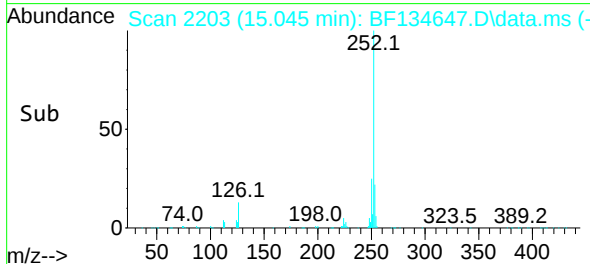


Tgt Ion:252 Resp: 606670
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 15.3 6.0 9.0

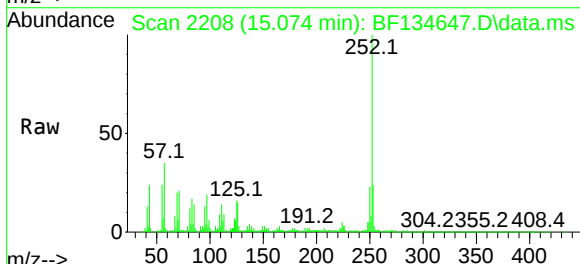
Manual Integrations

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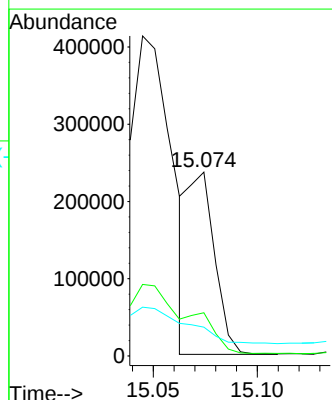
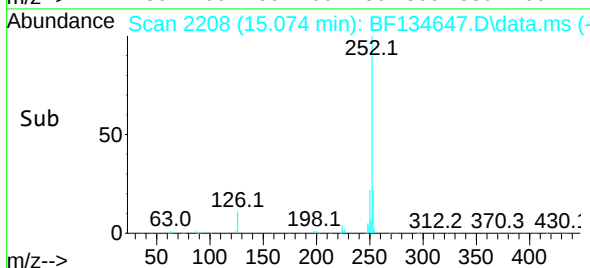
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

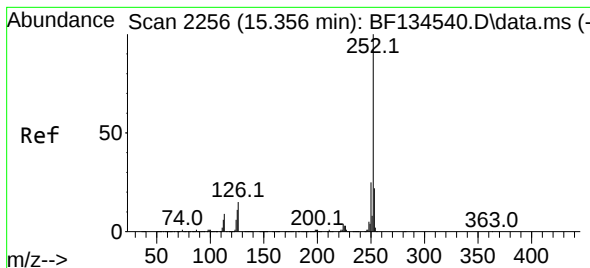


#89
Benzo(k)fluoranthene
Concen: 6.392 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.035 min
Lab File: BF134647.D
Acq: 07 Aug 2023 11:23



Tgt Ion:252 Resp: 212435
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 15.7 6.3 9.5





#90

Benzo(a)pyrene

Concen: 12.506 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1

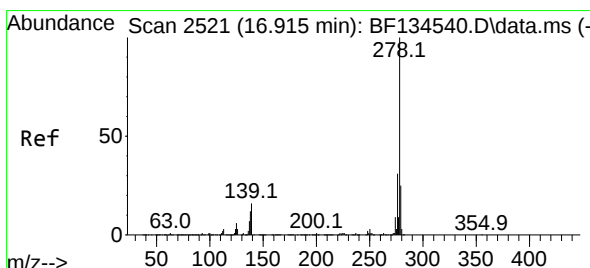
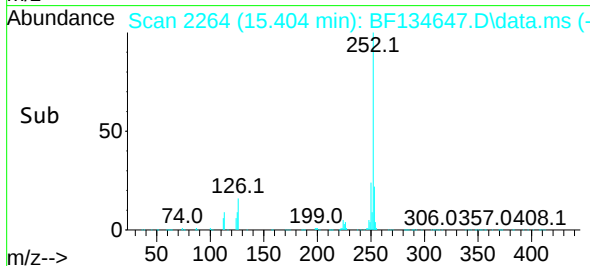
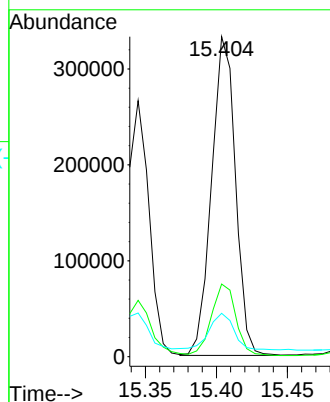
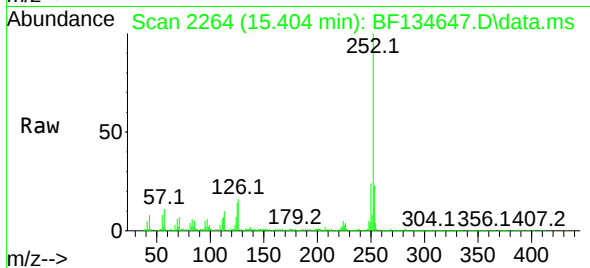
Tgt Ion:252 Resp: 389004
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.0 25.4
 125 13.6 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.479 ng

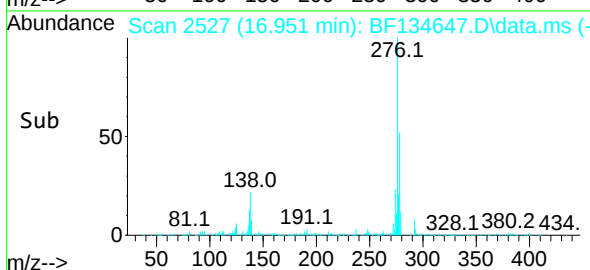
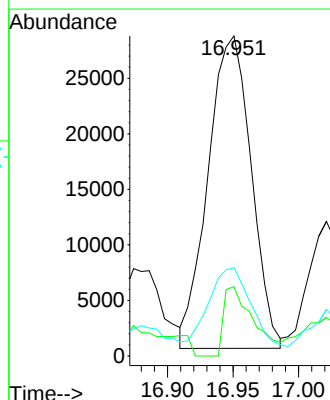
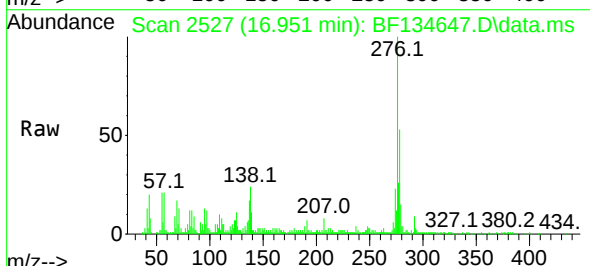
RT: 16.951 min Scan# 2527

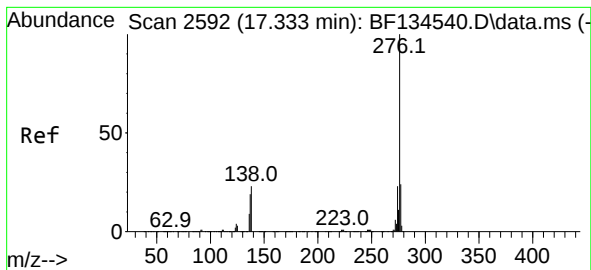
Delta R.T. 0.000 min

Lab File: BF134647.D

Acq: 07 Aug 2023 11:23

Tgt Ion:278 Resp: 64442
 Ion Ratio Lower Upper
 278 100
 139 21.7 10.0 15.0#
 279 27.6 19.7 29.5





#92

Benzo(g,h,i)perylene

Concen: 8.369 ng

RT: 17.380 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134647.D

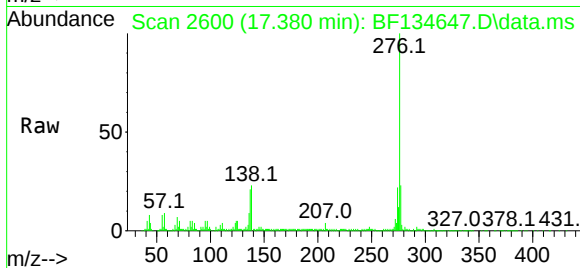
Acq: 07 Aug 2023 11:23

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:276 Resp: 22194

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.6

138 22.6 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023

