

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
 Data File : BF134267.D
 Acq On : 13 Jul 2023 18:05
 Operator : CG\JU
 Sample : 03548-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/14/2023
 Supervised By :mohammad ahmed 07/14/2023

Quant Time: Jul 13 21:00:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	91971	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	349229	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	170078	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	316998	20.000	ng	0.00
76) Chrysene-d12	14.039	240	223471	20.000	ng	0.00
86) Perylene-d12	15.539	264	239448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	407806	74.172	ng	0.00
7) Phenol-d6	6.475	99	511563	75.657	ng	-0.01
23) Nitrobenzene-d5	7.404	82	336200	51.894	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	166162	77.921	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	599439	51.242	ng	0.00
79) Terphenyl-d14	12.974	244	627747	45.210	ng	0.00
Target Compounds						Qvalue
63) Azobenzene	10.592	77	30511	2.508	ng	# 2
71) Phenanthrene	11.398	178	127391	7.983	ng	97
75) Fluoranthene	12.598	202	249083	14.438	ng	98
78) Pyrene	12.827	202	227292	10.929	ng	99
81) Benzo(a)anthracene	14.027	228	136276	8.793	ng	99
83) Chrysene	14.063	228	120195	8.007	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	75448	4.541	ng	# 94
88) Benzo(b)fluoranthene	15.098	252	190704m	13.545	ng	
89) Benzo(k)fluoranthene	15.121	252	56475m	3.940	ng	
90) Benzo(a)pyrene	15.474	252	119988	8.813	ng	97
92) Benzo(g,h,i)perylene	17.551	276	72011	5.145	ng	95

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

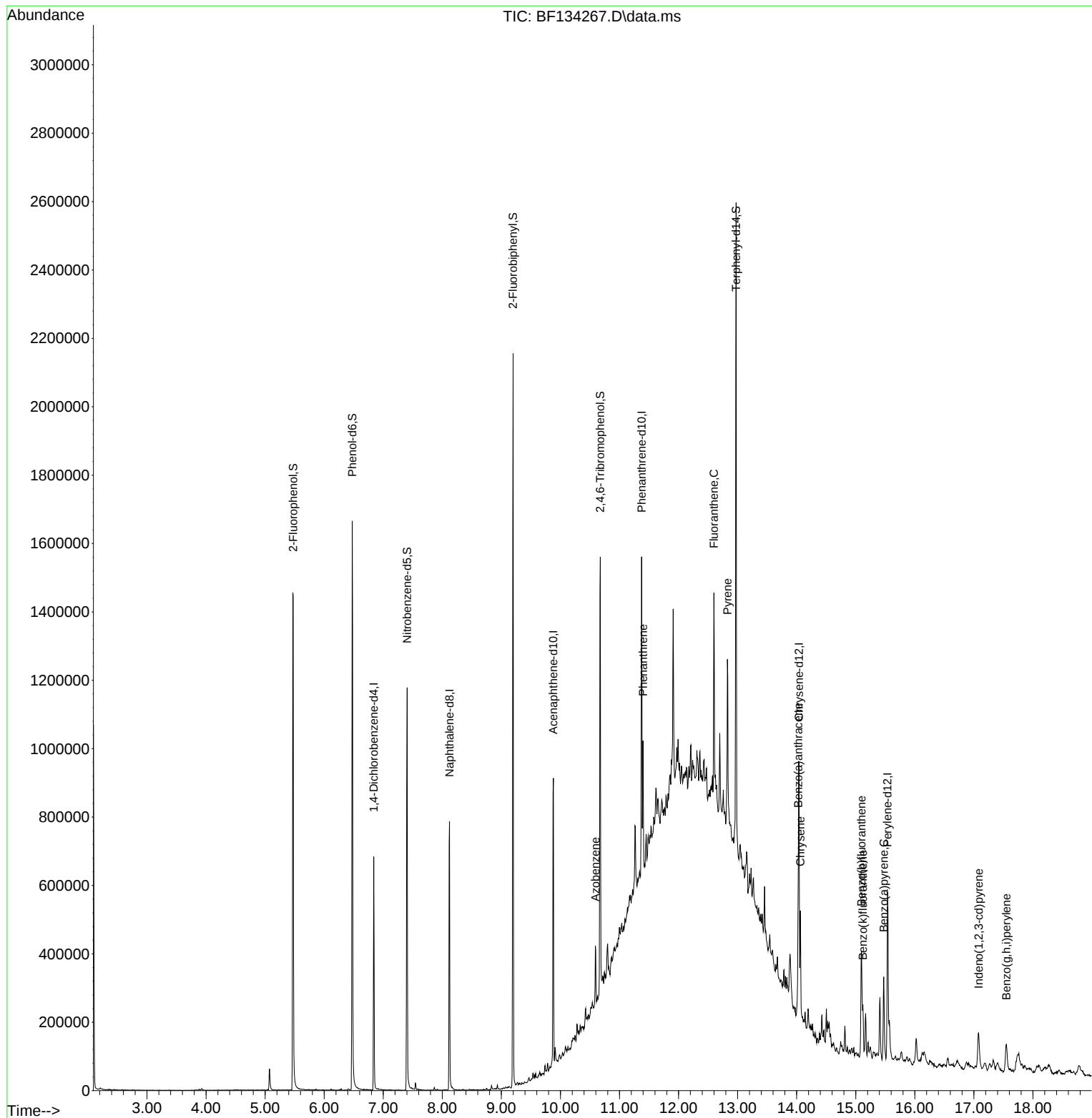
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
Data File : BF134267.D
Acq On : 13 Jul 2023 18:05
Operator : CG\JU
Sample : 03548-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

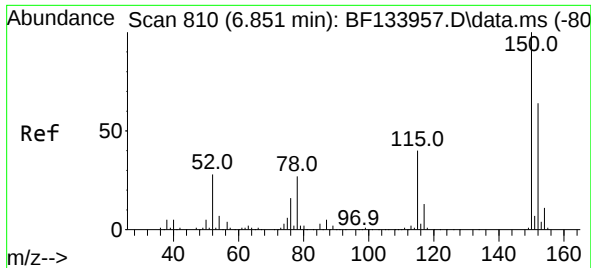
Instrument :
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ClientSampleId :
WC-1

Quant Time: Jul 13 21:00:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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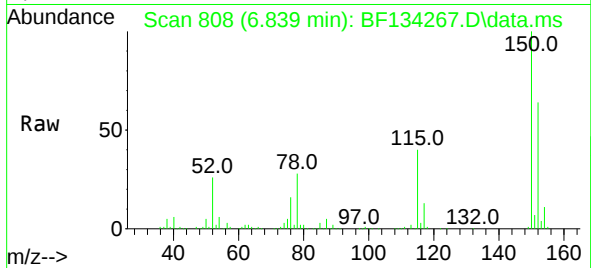
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

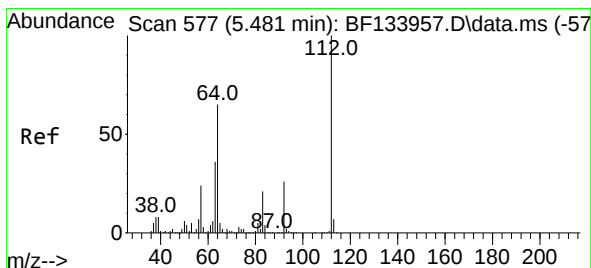
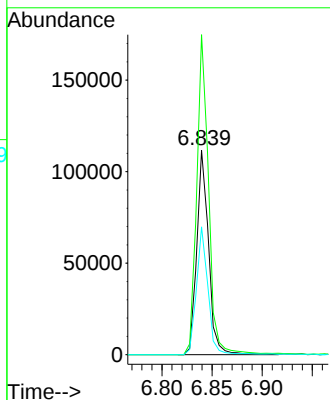
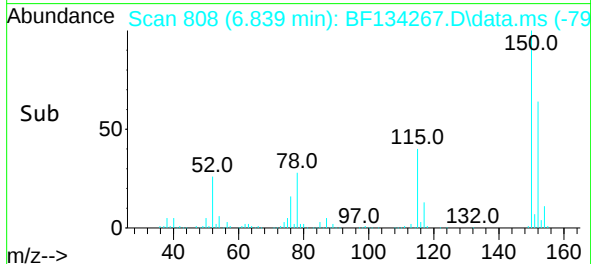
Instrument :
BNA_F
ClientSampleId :
WC-1



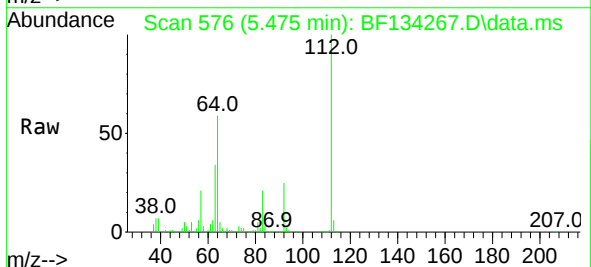
Tgt Ion:152 Resp: 9197
Ion Ratio Lower Upper
152 100
150 156.6 124.5 186.7
115 62.6 50.2 75.2

Manual Integrations
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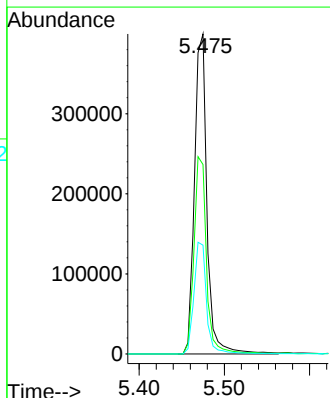
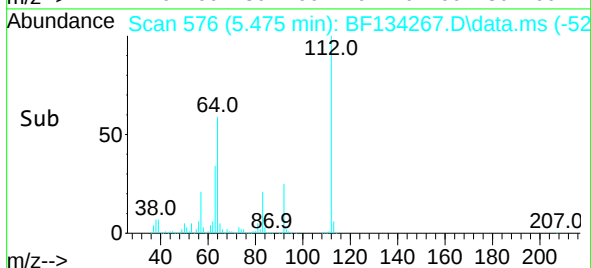
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#5
2-Fluorophenol
Concen: 74.172 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05



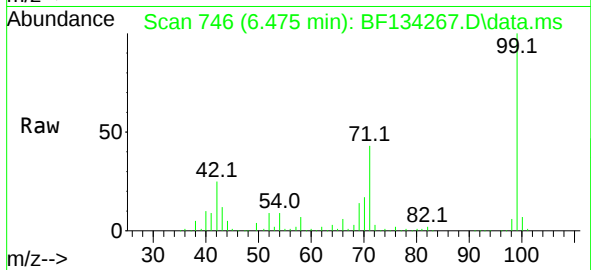
Tgt Ion:112 Resp: 407806
Ion Ratio Lower Upper
112 100
64 59.2 52.1 78.1
63 34.0 28.6 42.8





#7
Phenol-d6
Concen: 75.657 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

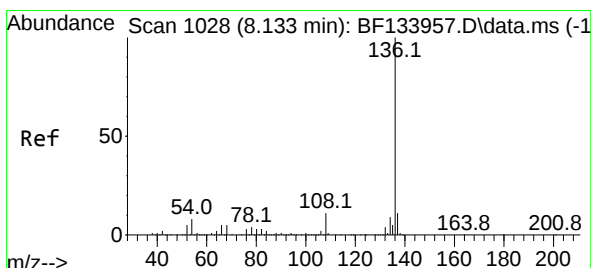
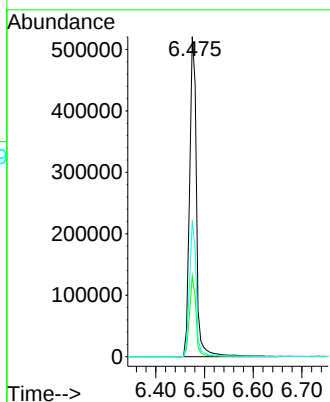
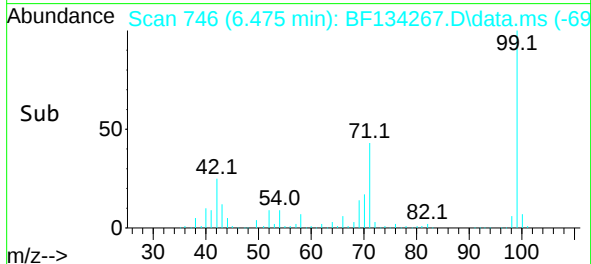
Instrument :
BNA_F
ClientSampleId :
WC-1



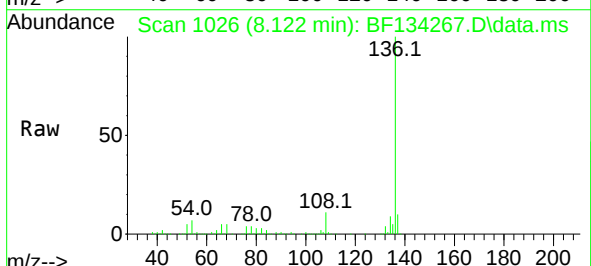
Tgt Ion: 99 Resp: 51156
Ion Ratio Lower Upper
99 100
42 25.2 19.8 29.6
71 42.6 31.9 47.9

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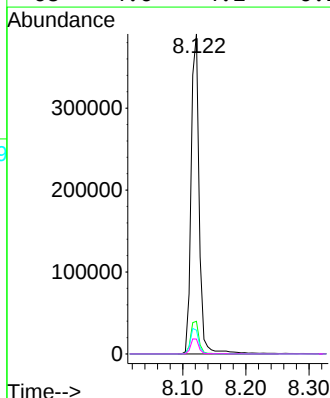
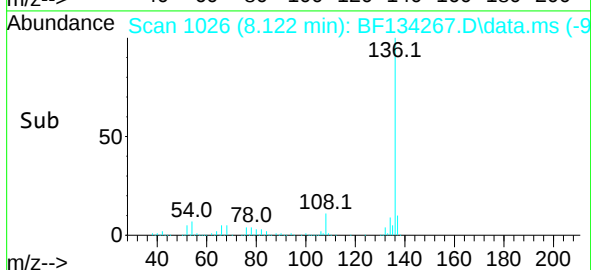
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05



Tgt Ion:136 Resp: 349229
Ion Ratio Lower Upper
136 100
137 10.2 8.6 12.8
54 7.4 6.5 9.7
68 4.6 4.2 6.2





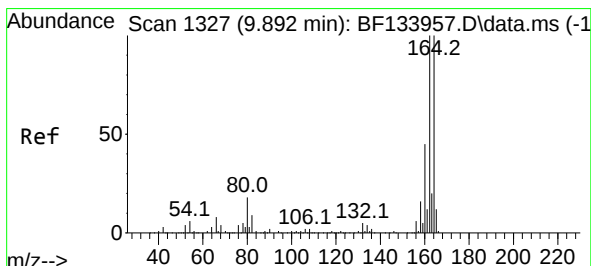
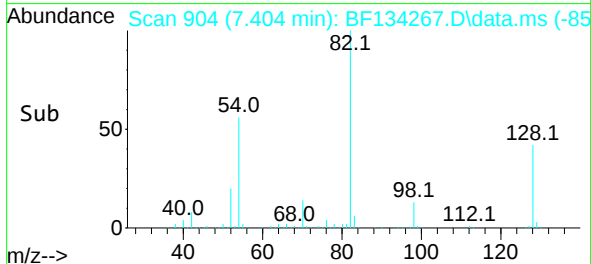
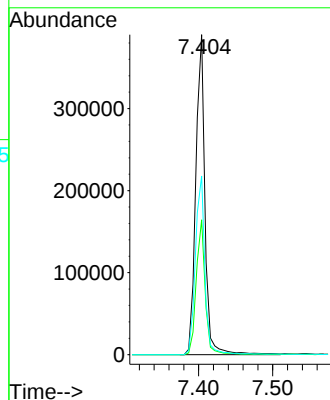
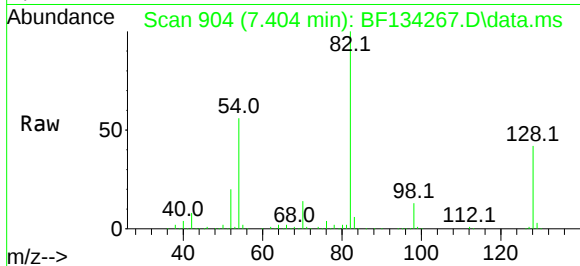
#23
Nitrobenzene-d5
Concen: 51.894 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 82 Resp: 336200
Ion Ratio Lower Upper
82 100
128 42.1 32.5 48.7
54 55.8 48.2 72.2

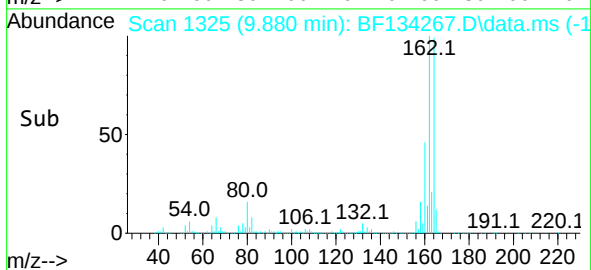
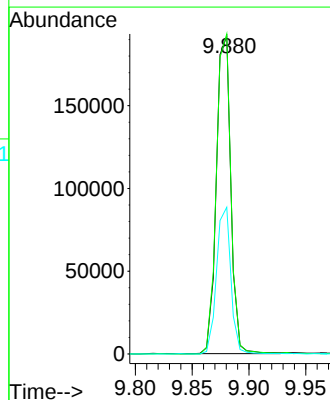
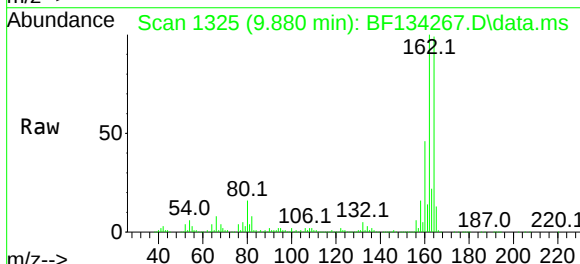
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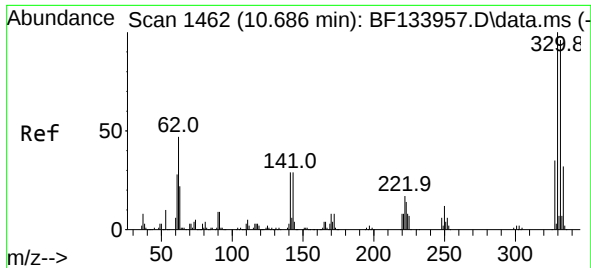
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

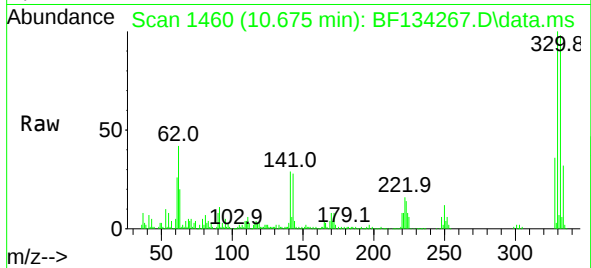
Tgt Ion:164 Resp: 170078
Ion Ratio Lower Upper
164 100
162 100.7 80.0 120.0
160 46.2 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 77.921 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

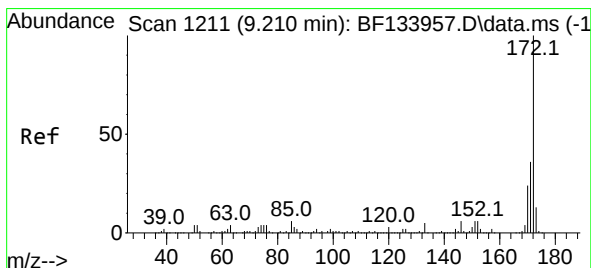
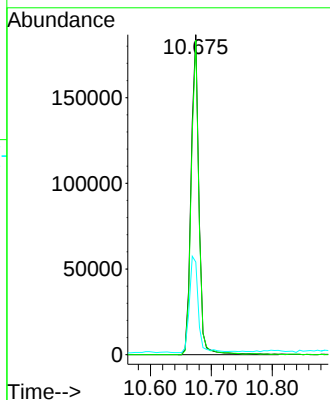
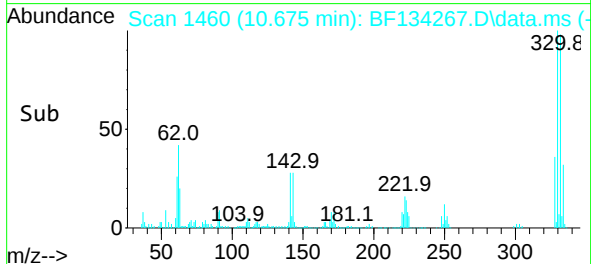
Instrument :
BNA_F
ClientSampleId :
WC-1



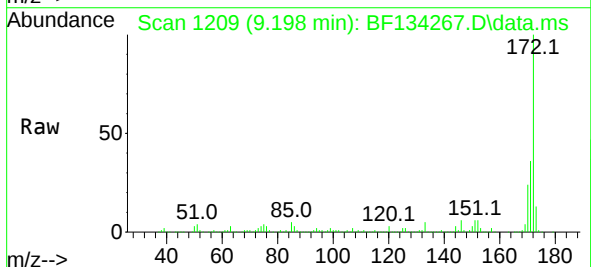
Tgt Ion:330 Resp: 166162
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 34.1 26.3 39.5

Manual Integrations
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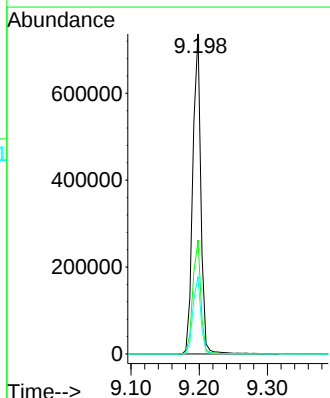
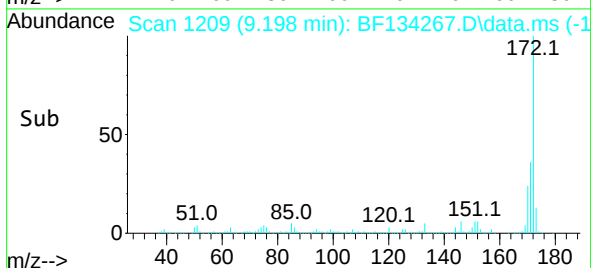
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

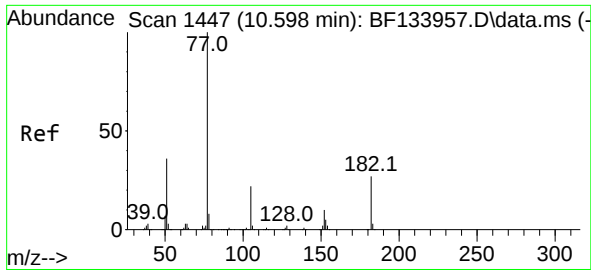


#45
2-Fluorobiphenyl
Concen: 51.242 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05



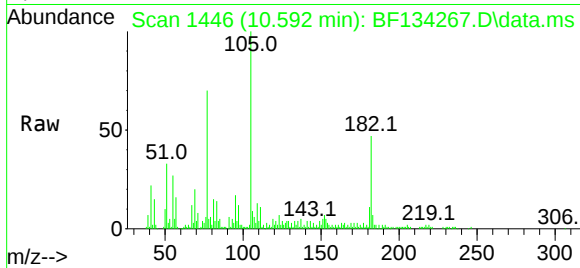
Tgt Ion:172 Resp: 599439
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.1 19.4 29.0





#63
Azobenzene
Concen: 2.508 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

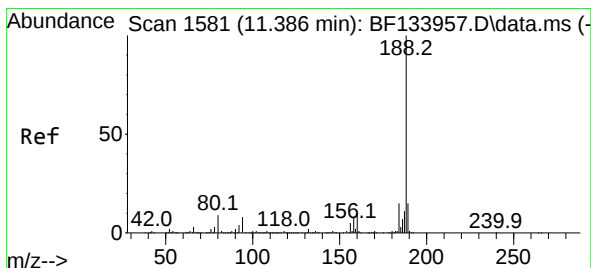
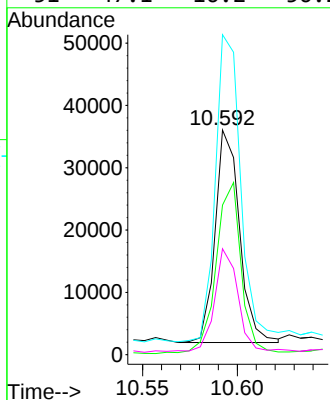
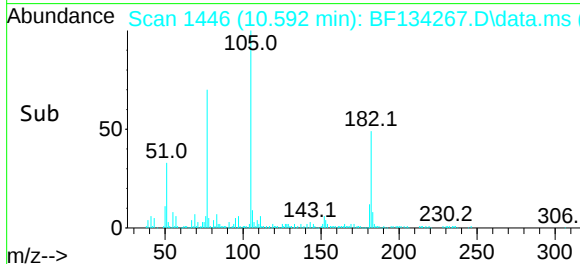
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 77 Resp: 3051
Ion Ratio Lower Upper
77 100
182 66.6 6.8 46.8
105 142.4 2.3 42.3
51 47.1 16.2 56.2

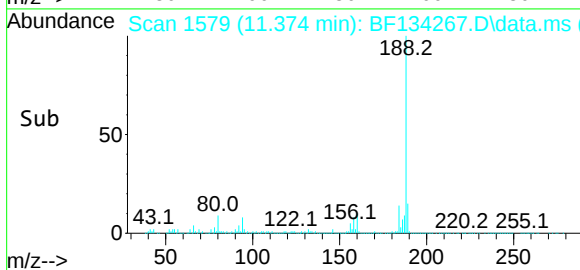
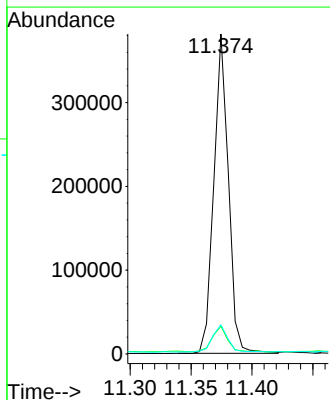
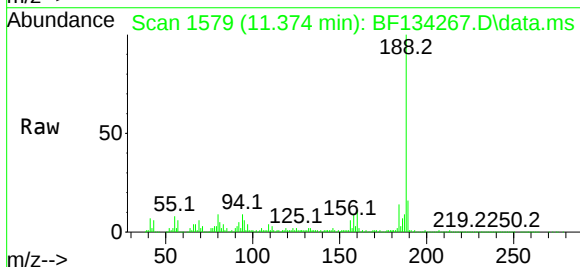
Manual Integrations
APPROVED

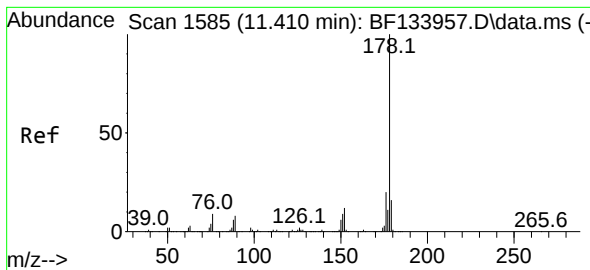
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

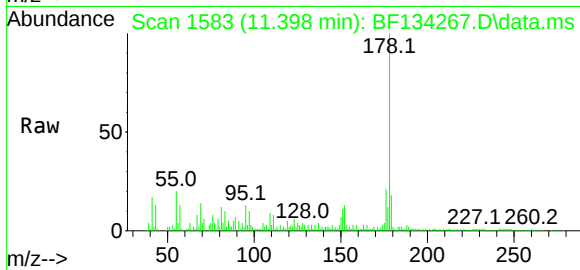
Tgt Ion:188 Resp: 316998
Ion Ratio Lower Upper
188 100
94 8.7 6.4 9.6
80 9.1 7.3 10.9





#71
Phenanthrene
Concen: 7.983 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

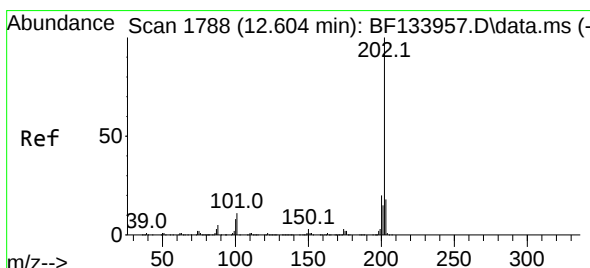
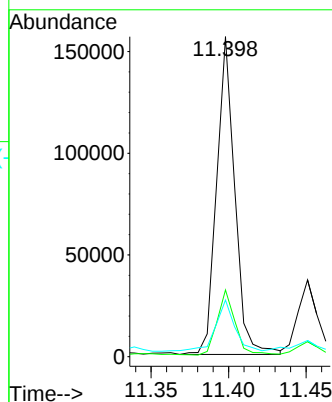
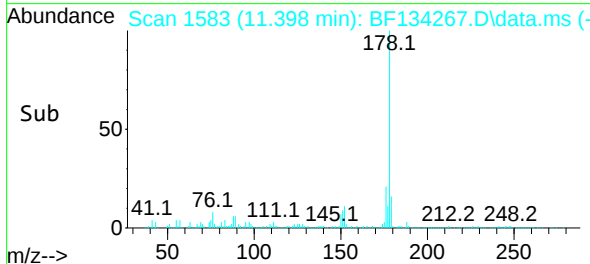
Instrument :
BNA_F
ClientSampleId :
WC-1



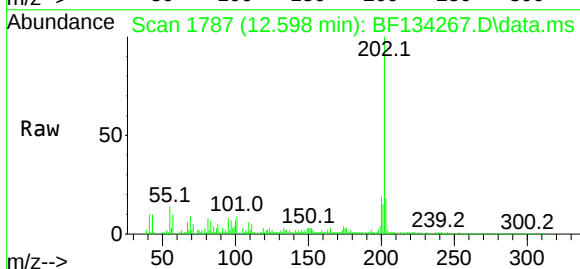
Tgt Ion:178 Resp: 12739
Ion Ratio Lower Upper
178 100
176 20.8 16.0 24.0
179 17.7 12.4 18.6

Manual Integrations
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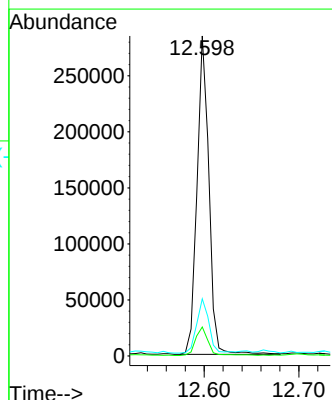
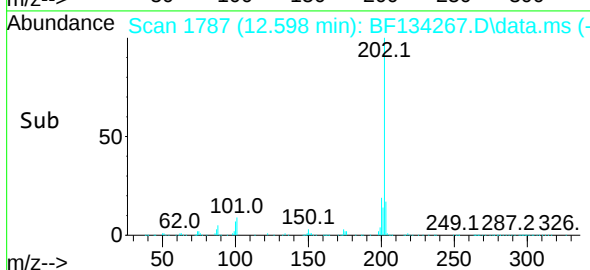
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

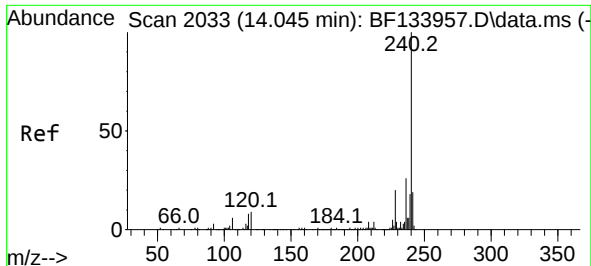


#75
Fluoranthene
Concen: 14.438 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05



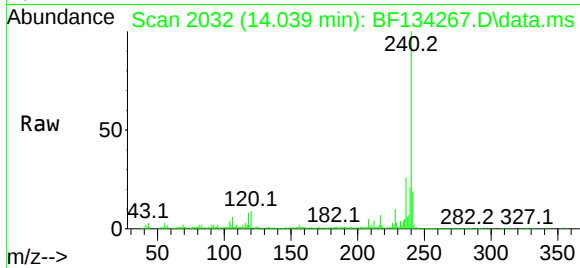
Tgt Ion:202 Resp: 249083
Ion Ratio Lower Upper
202 100
101 9.1 0.0 31.0
203 17.8 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

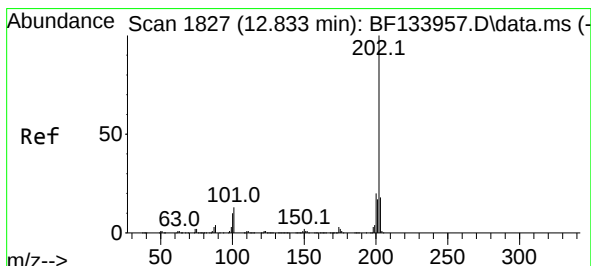
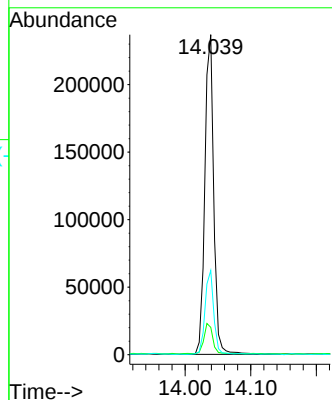
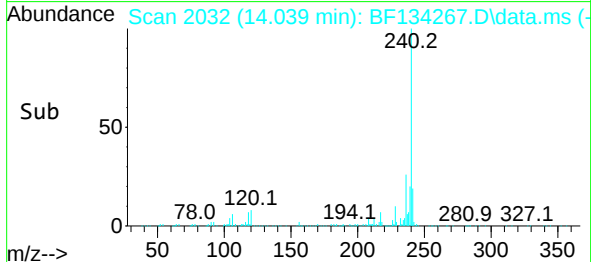
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:240 Resp: 22347
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 26.3 21.0 31.6

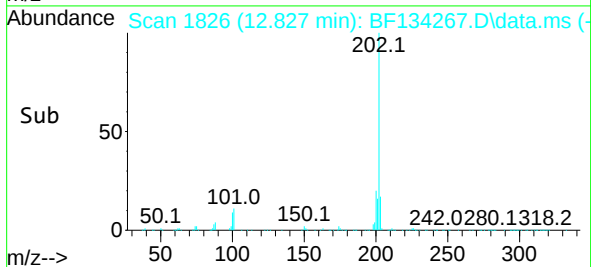
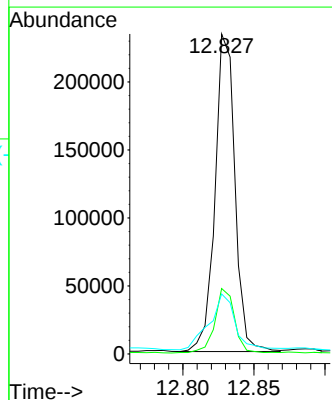
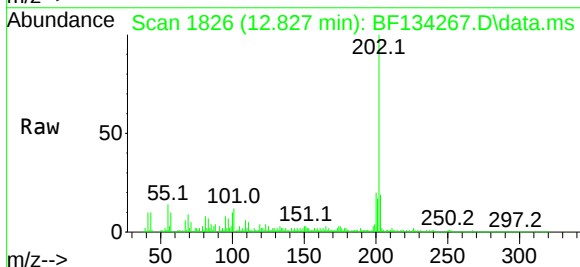
Manual Integrations
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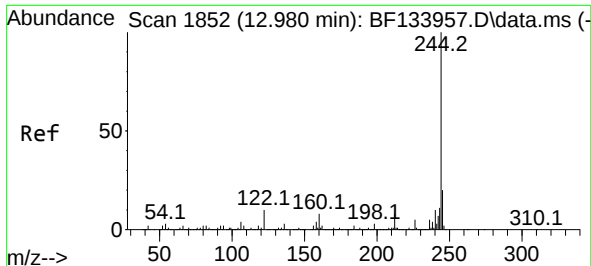
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#78
Pyrene
Concen: 10.929 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

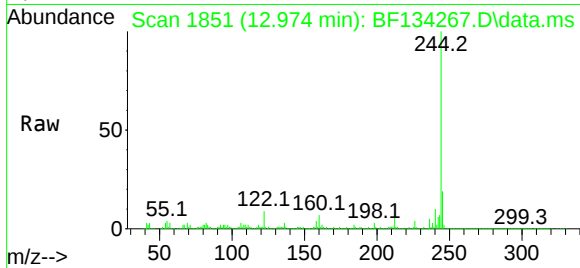
Tgt Ion:202 Resp: 227292
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 18.7 14.3 21.5





#79
Terphenyl-d14
Concen: 45.210 ng
RT: 12.974 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

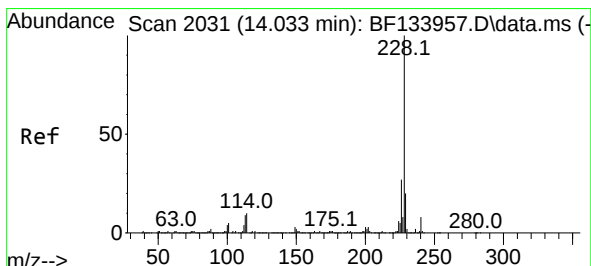
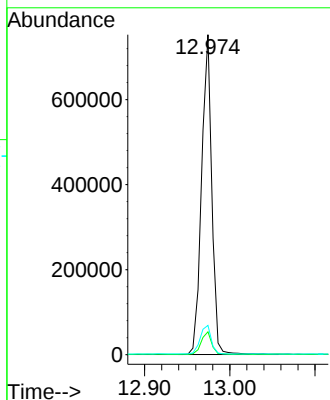
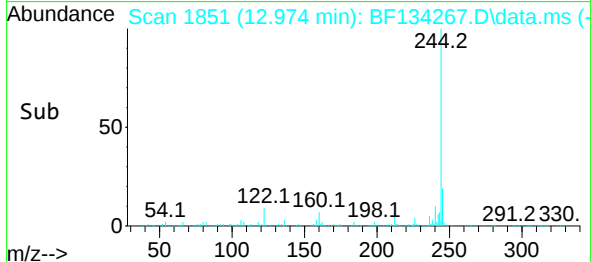
Instrument :
BNA_F
ClientSampleId :
WC-1



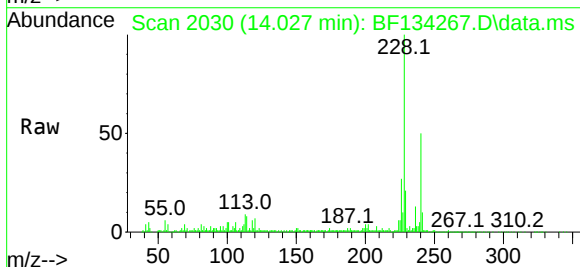
Tgt Ion:244 Resp: 62774
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.2 8.3 12.5

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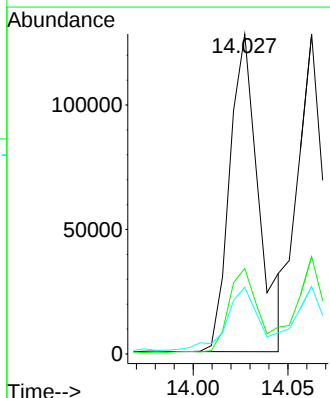
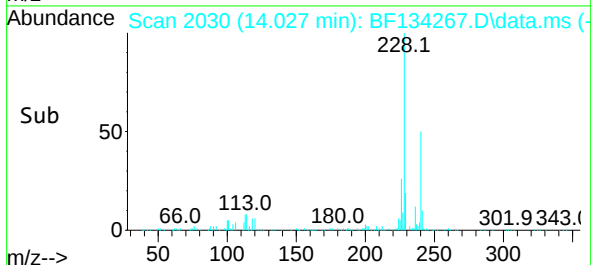
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023

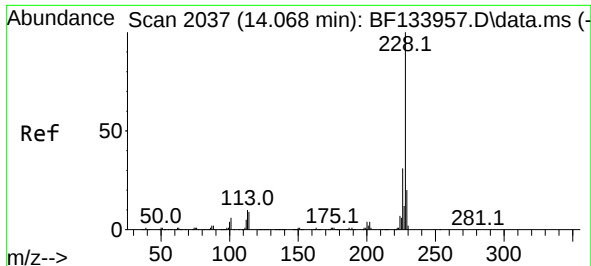


#81
Benzo(a)anthracene
Concen: 8.793 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05



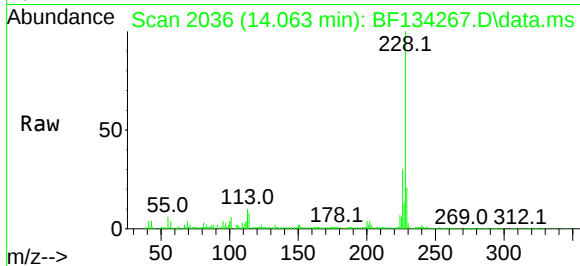
Tgt Ion:228 Resp: 136276
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 20.9 16.3 24.5





#83
Chrysene
Concen: 8.007 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

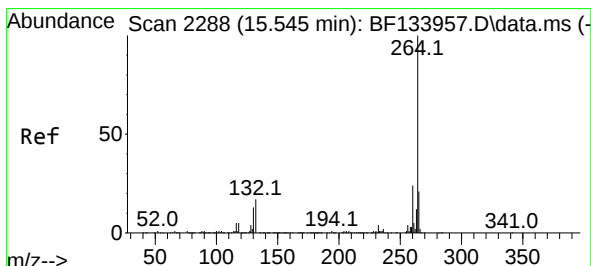
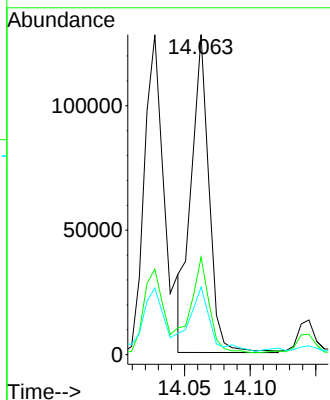
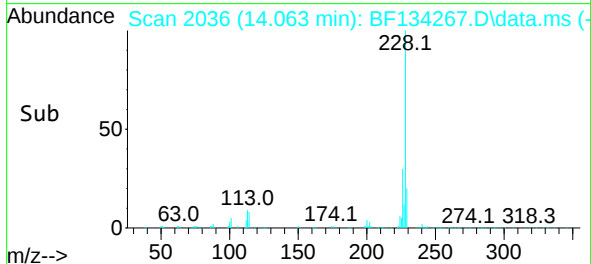
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:228 Resp: 120195
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 21.1 16.1 24.1

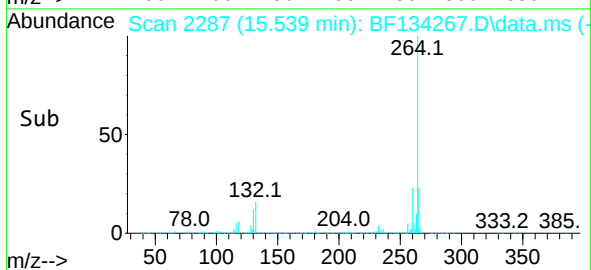
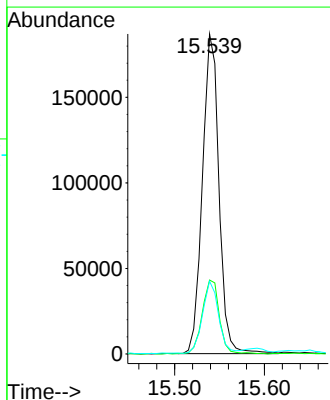
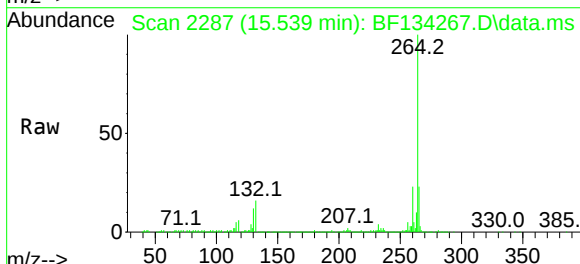
Manual Integrations
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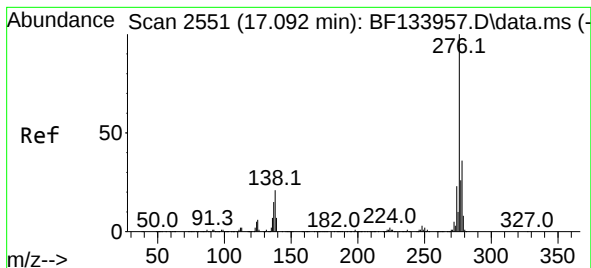
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

Tgt Ion:264 Resp: 239448
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.541 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134267.D

Acq: 13 Jul 2023 18:05

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:276 Resp: 7544

Ion Ratio Lower Upper

276 100

138 18.1 18.7 28.1

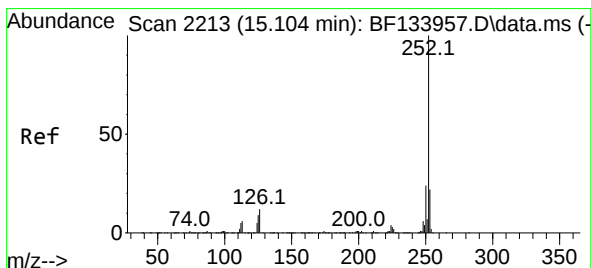
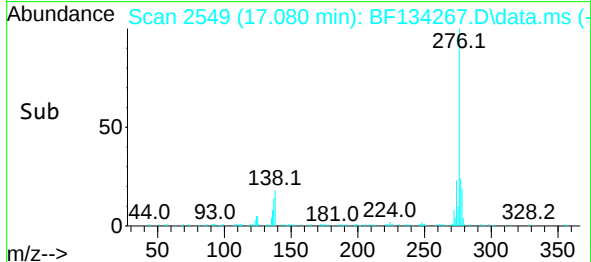
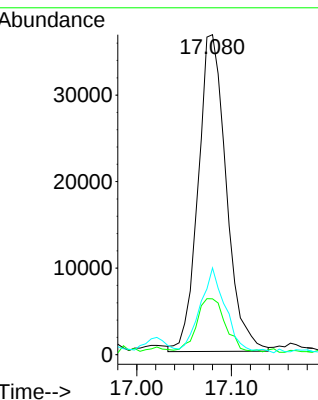
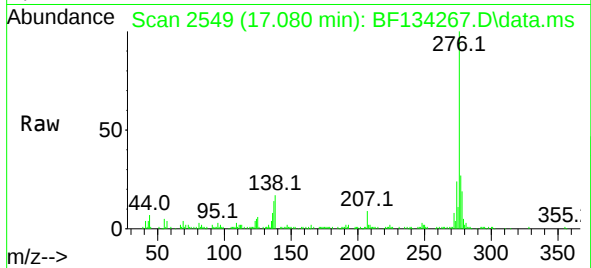
277 24.5 19.9 29.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/14/2023

Supervised By :mohammad ahmed 07/14/2023



#88

Benzo(b)fluoranthene

Concen: 13.545 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134267.D

Acq: 13 Jul 2023 18:05

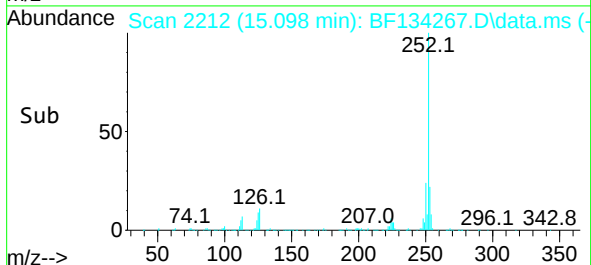
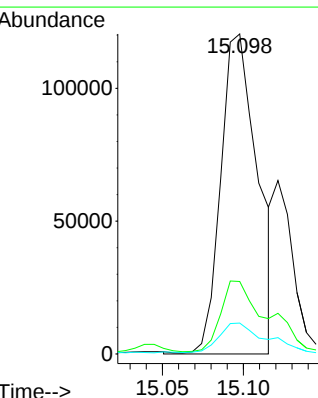
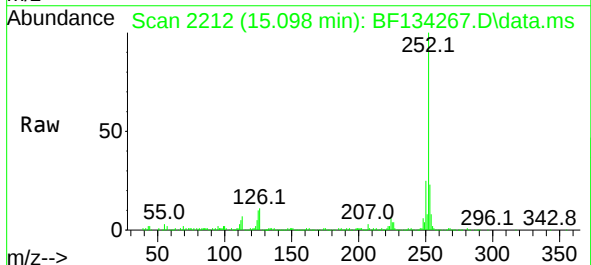
Tgt Ion:252 Resp: 190704

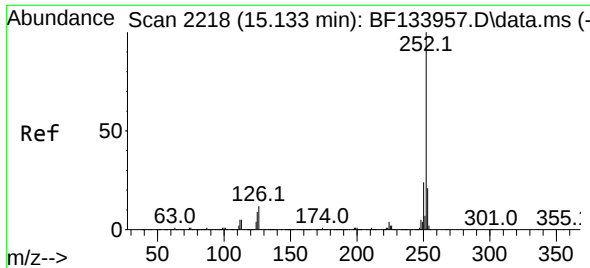
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 9.6 7.1 10.7





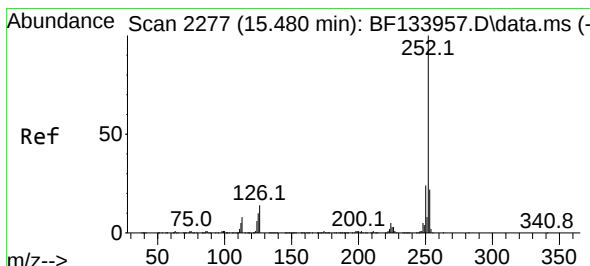
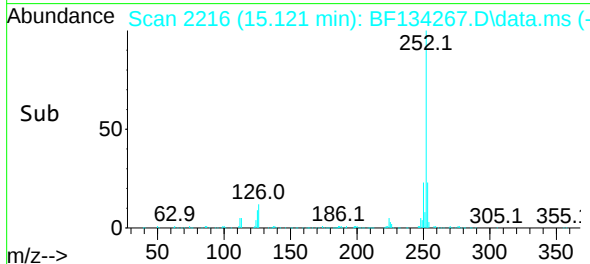
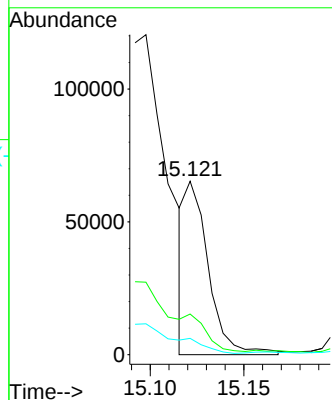
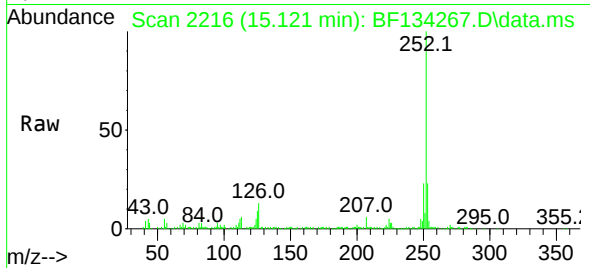
#89
Benzo(k)fluoranthene
Concen: 3.940 ng m
RT: 15.121 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 5647
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 9.4 7.4 11.2

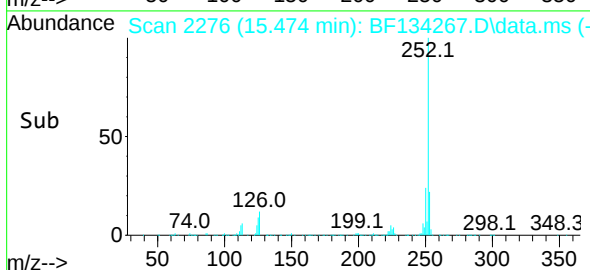
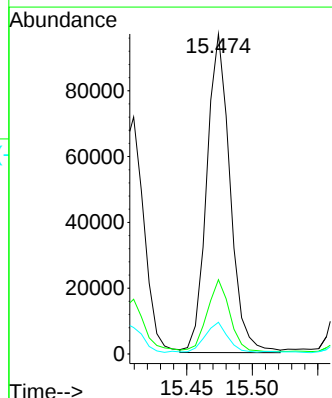
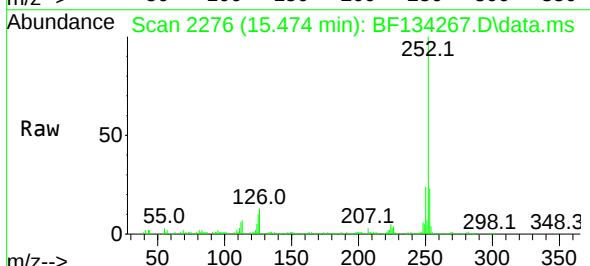
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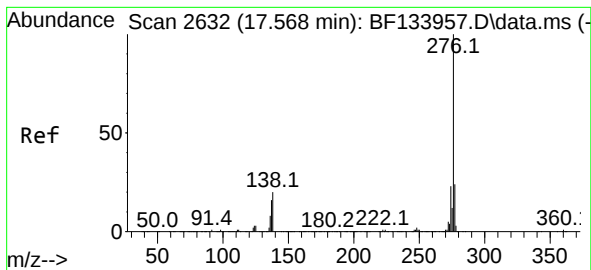
Reviewed By :Yogesh Patel 07/14/2023
Supervised By :mohammad ahmed 07/14/2023



#90
Benzo(a)pyrene
Concen: 8.813 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134267.D
Acq: 13 Jul 2023 18:05

Tgt Ion:252 Resp: 119988
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 9.9 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 5.145 ng

RT: 17.551 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF134267.D

Acq: 13 Jul 2023 18:05

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:276 Resp: 7201

Ion Ratio Lower Upper

276 100

277 25.6 19.0 28.6

138 23.2 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/14/2023

Supervised By :mohammad ahmed 07/14/2023

