

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134400.D
 Acq On : 21 Jul 2023 14:31
 Operator : CG\JU
 Sample : 03638-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 21 15:01:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	60232	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	229551	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	118858	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	224558	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	151501	20.000	ng	-0.01
86) Perylene-d12	15.533	264	132194	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	274941	76.357	ng	0.00
7) Phenol-d6	6.475	99	332713	75.135	ng	-0.01
23) Nitrobenzene-d5	7.398	82	229743	53.950	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	120944	81.157	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	453591	55.484	ng	-0.01
79) Terphenyl-d14	12.963	244	494184	52.498	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	32945	2.914	ng	98
75) Fluoranthene	12.586	202	74920	6.130	ng	97
78) Pyrene	12.822	202	64546	4.578	ng	99
81) Benzo(a)anthracene	14.021	228	27623	2.629	ng	98
83) Chrysene	14.057	228	30675	3.014	ng	97
88) Benzo(b)fluoranthene	15.092	252	29282m	3.767	ng	
90) Benzo(a)pyrene	15.468	252	20236	2.692	ng	100

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

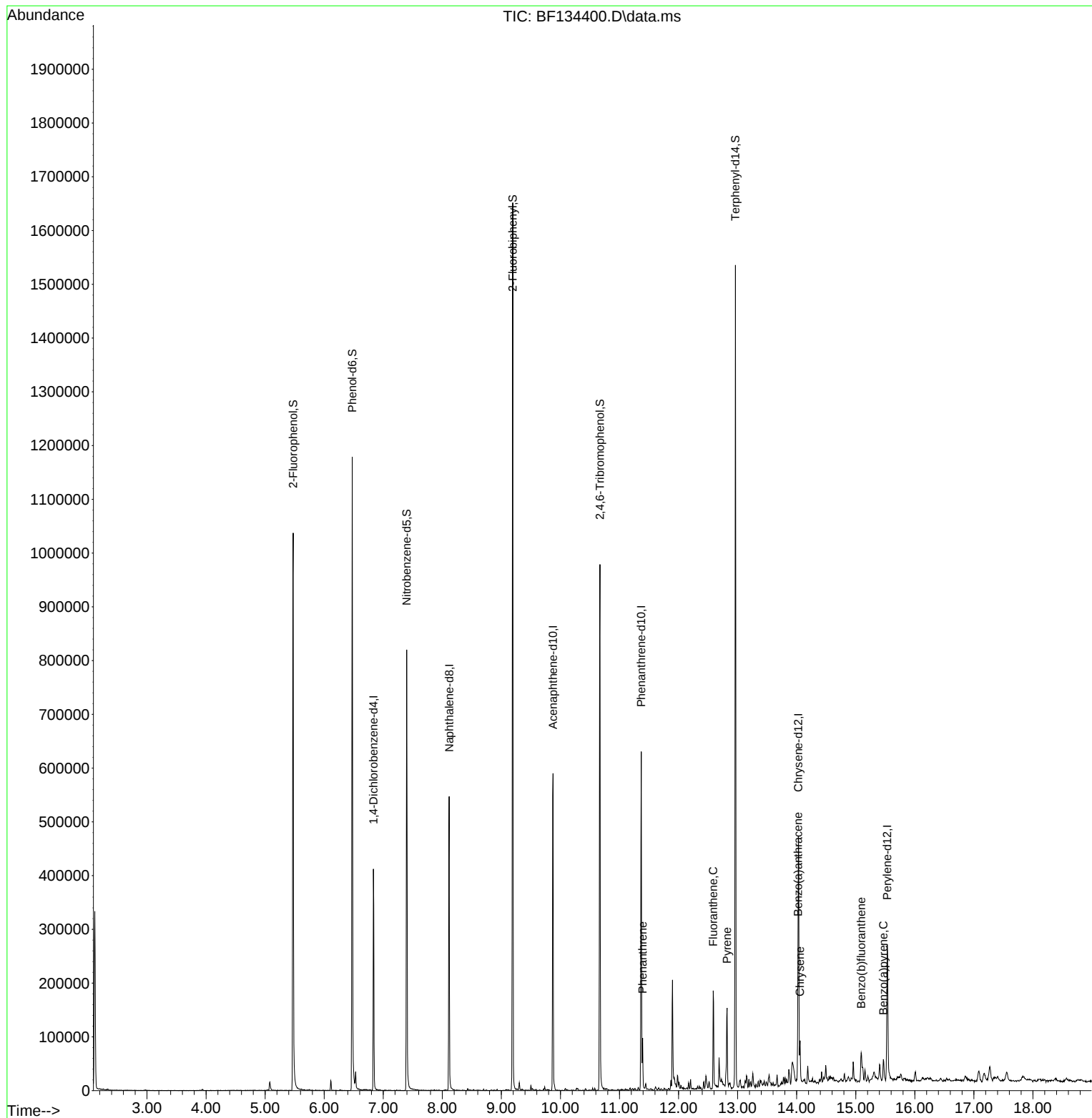
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134400.D
Acq On : 21 Jul 2023 14:31
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Misc :
ALS Vial : 10 Sample Multiplier: 1

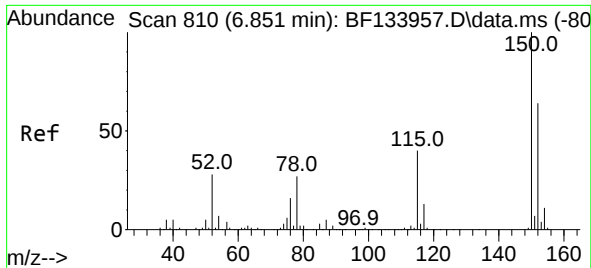
Instrument :
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TP1

Quant Time: Jul 21 15:01:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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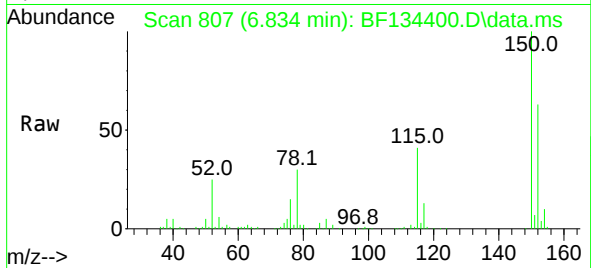
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

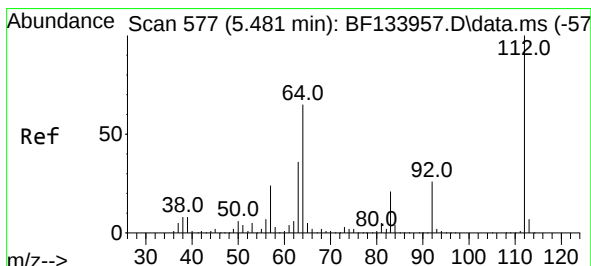
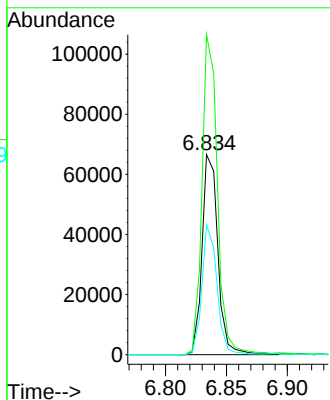
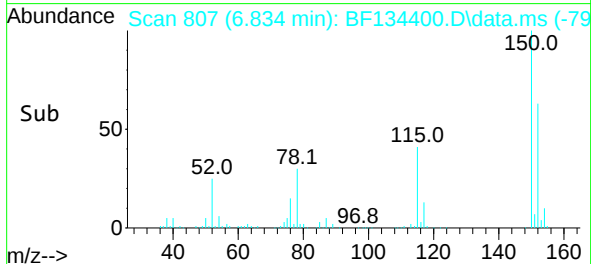
Instrument :
BNA_F
ClientSampleId :
TP1



Tgt Ion:152 Resp: 6023
Ion Ratio Lower Upper
152 100
150 159.8 124.5 186.7
115 64.9 50.2 75.2

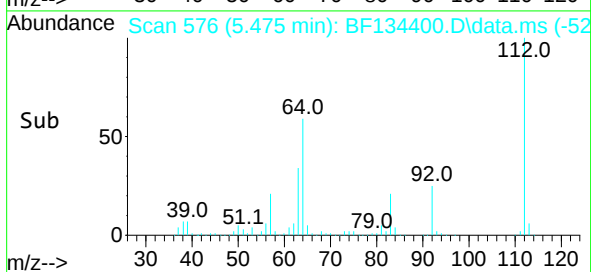
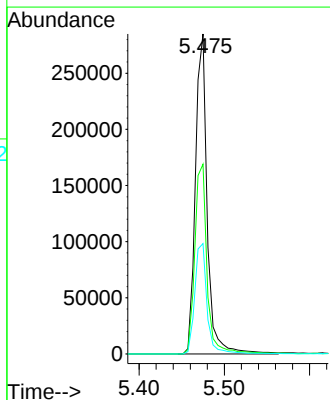
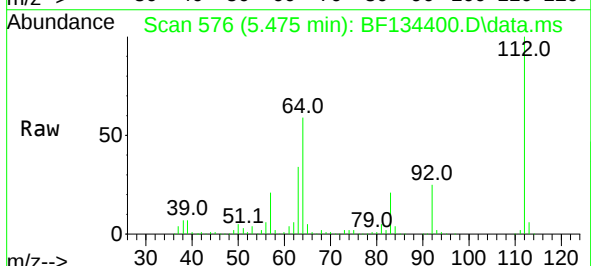
Manual Integrations
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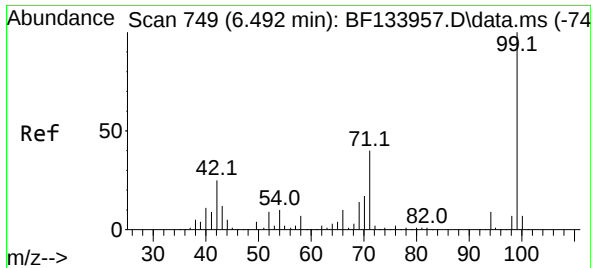
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#5
2-Fluorophenol
Concen: 76.357 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

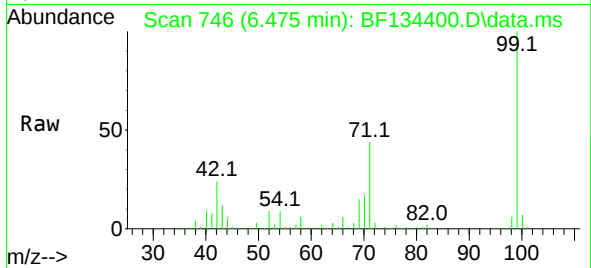
Tgt Ion:112 Resp: 274941
Ion Ratio Lower Upper
112 100
64 59.3 52.1 78.1
63 34.5 28.6 42.8





#7
Phenol-d6
Concen: 75.135 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

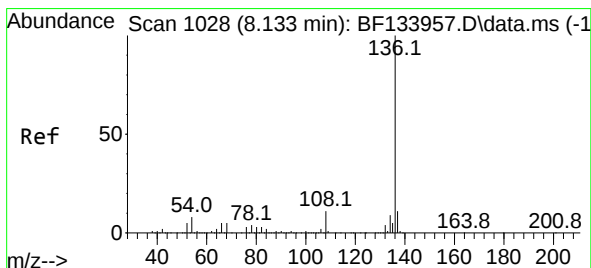
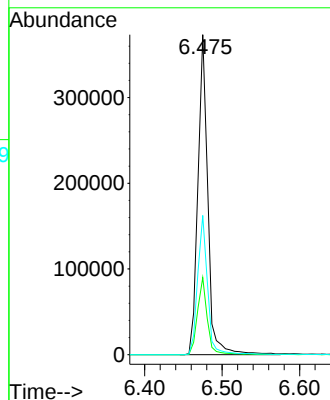
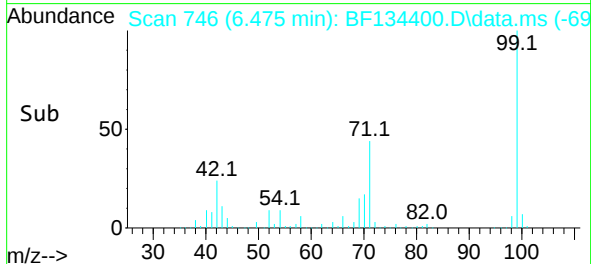
Instrument :
BNA_F
ClientSampleId :
TP1



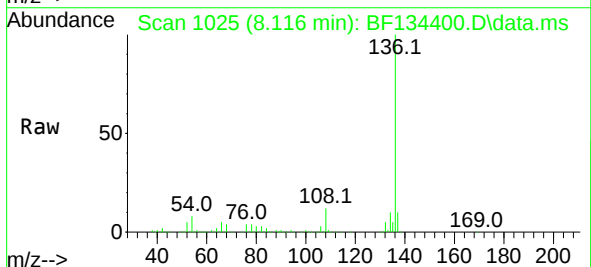
Tgt Ion: 99 Resp: 332711
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 43.5 31.9 47.9

Manual Integrations
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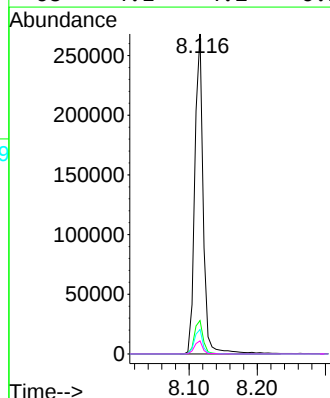
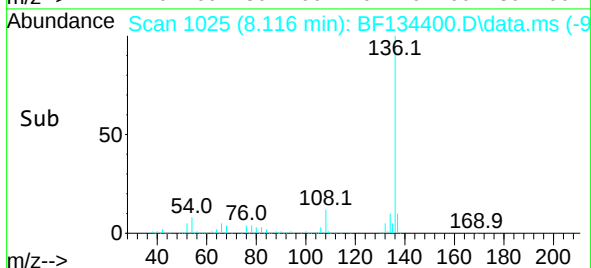
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

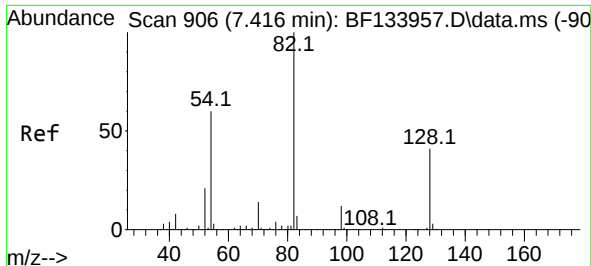


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31



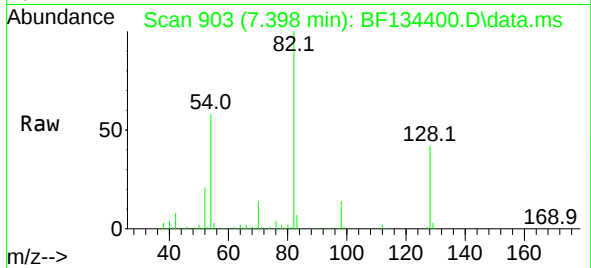
Tgt Ion:136 Resp: 229551
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.6 6.5 9.7
68 4.1 4.2 6.2#





#23
Nitrobenzene-d5
Concen: 53.950 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

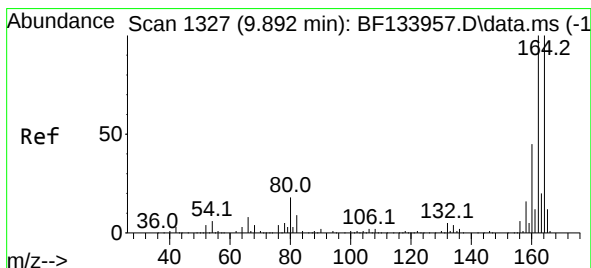
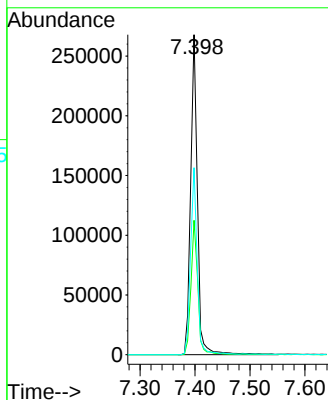
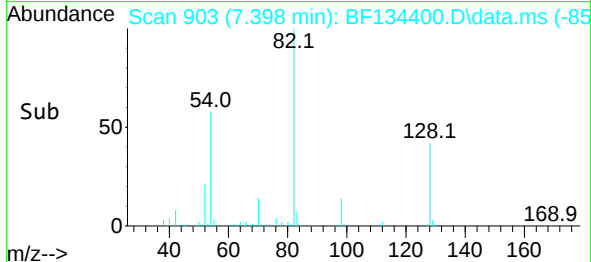
Instrument :
BNA_F
ClientSampleId :
TP1



Tgt Ion: 82 Resp: 22974
Ion Ratio Lower Upper
82 100
128 42.0 32.5 48.7
54 58.4 48.2 72.2

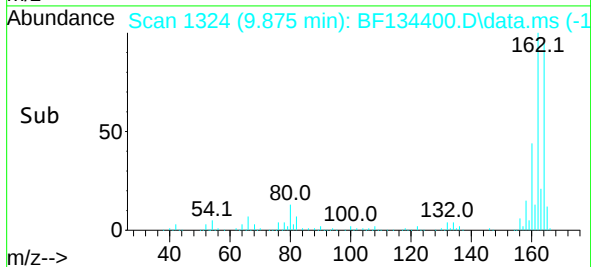
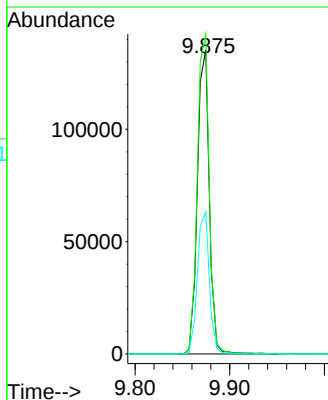
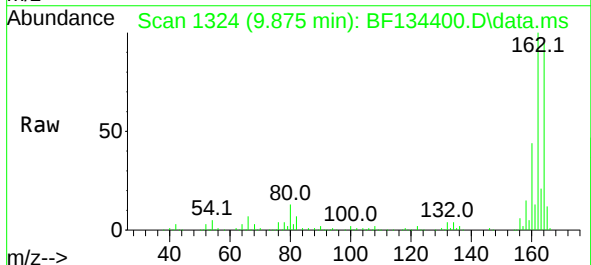
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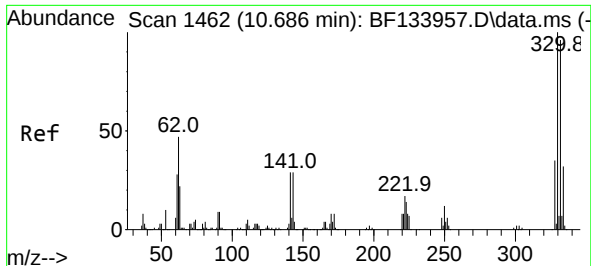
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

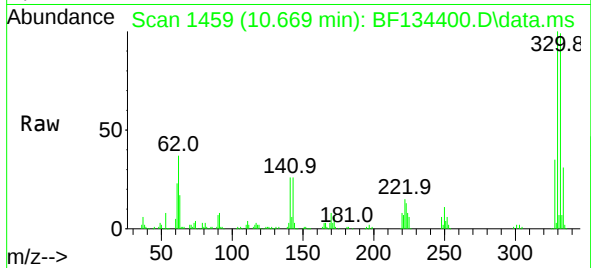
Tgt Ion:164 Resp: 118858
Ion Ratio Lower Upper
164 100
162 105.2 80.0 120.0
160 46.7 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 81.157 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

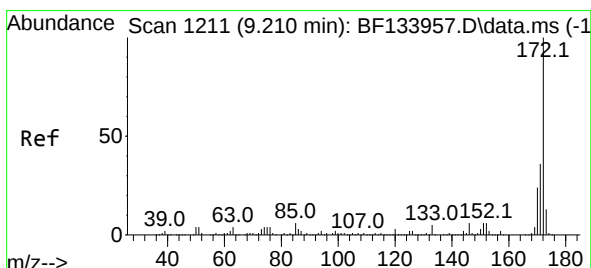
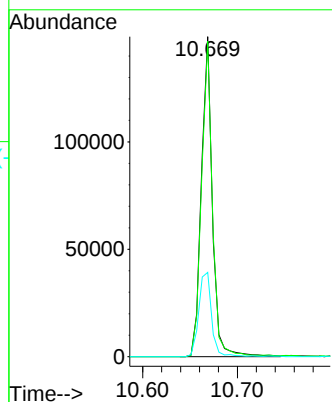
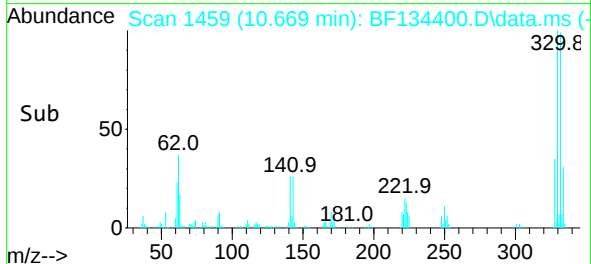
Instrument :
BNA_F
ClientSampleId :
TP1



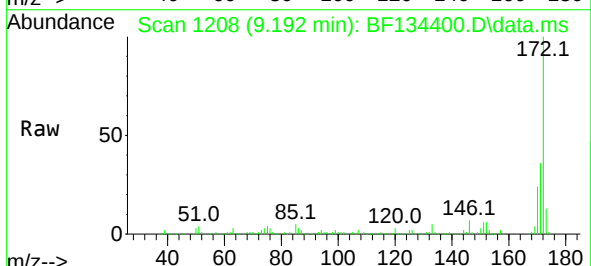
Tgt Ion: 330 Resp: 120944
Ion Ratio Lower Upper
330 100
332 98.1 77.0 115.6
141 30.8 26.3 39.5

Manual Integrations
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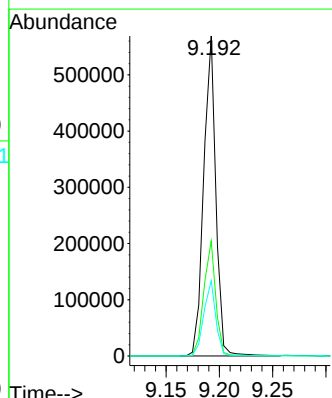
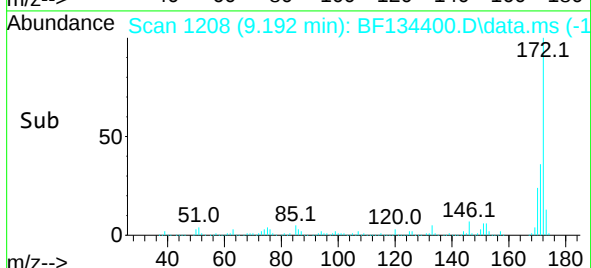
Reviewed By : Yogesh Patel 07/24/2023
Supervised By : mohammad ahmed 07/24/2023

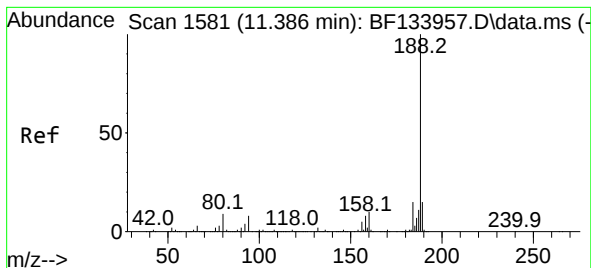


#45
2-Fluorobiphenyl
Concen: 55.484 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31



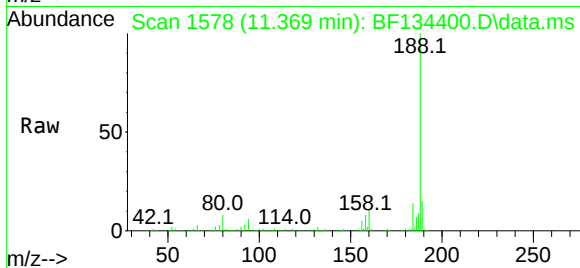
Tgt Ion: 172 Resp: 453591
Ion Ratio Lower Upper
172 100
171 35.9 28.6 43.0
170 23.5 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

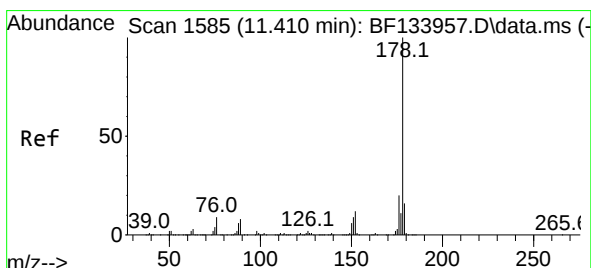
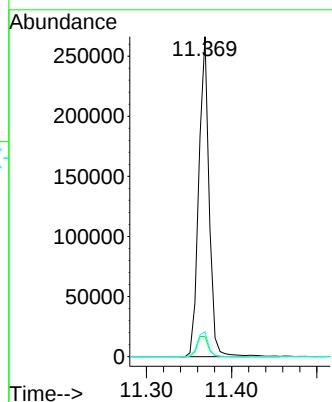
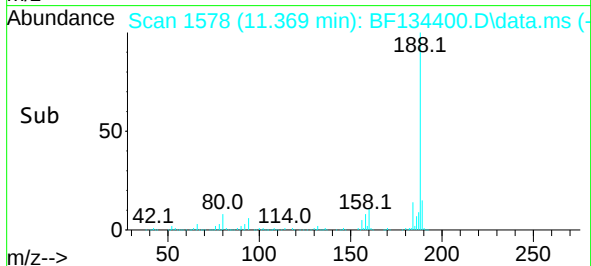
Instrument :
BNA_F
ClientSampleId :
TP1



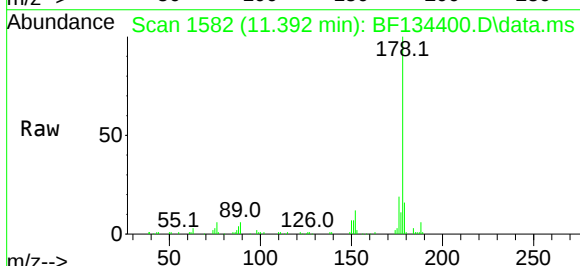
Tgt Ion:188 Resp: 224558
Ion Ratio Lower Upper
188 100
94 6.3 6.4 9.6
80 7.8 7.3 10.9

Manual Integrations
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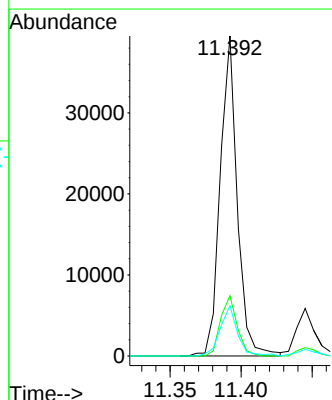
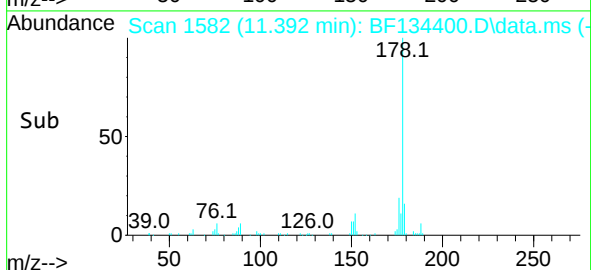
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

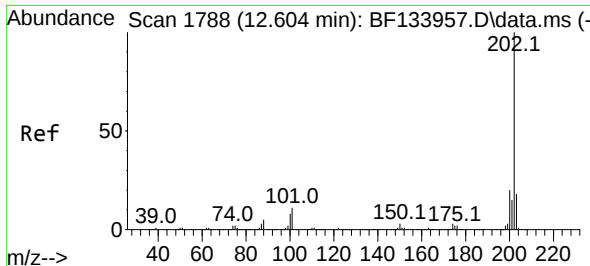


#71
Phenanthrene
Concen: 2.914 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31



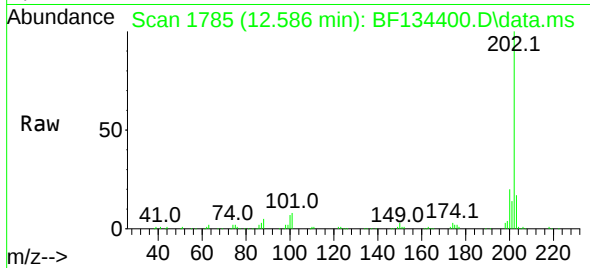
Tgt Ion:178 Resp: 32945
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 6.130 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

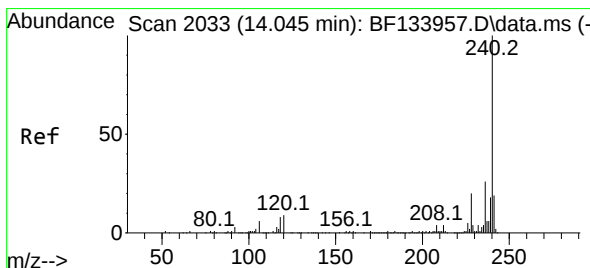
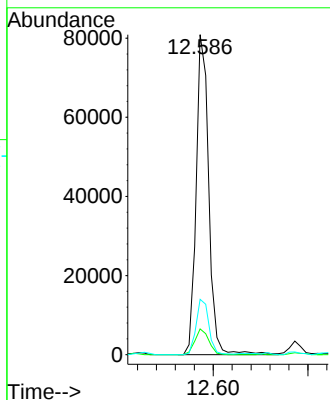
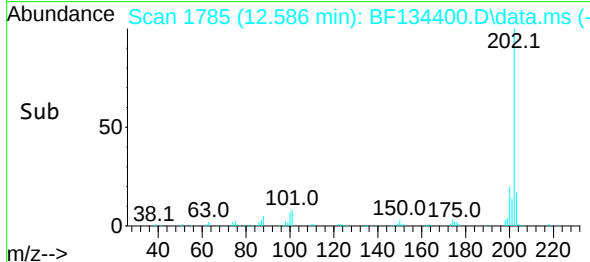
Instrument :
BNA_F
ClientSampleId :
TP1



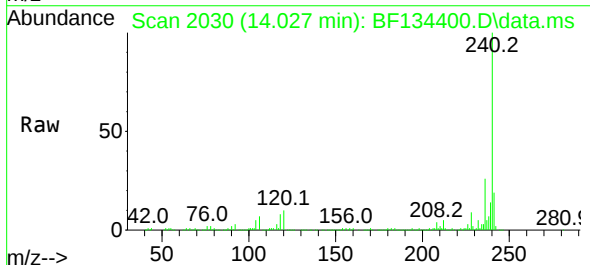
Tgt Ion:202 Resp: 74920
Ion Ratio Lower Upper
202 100
101 8.1 0.0 31.0
203 17.3 0.0 37.6

Manual Integrations
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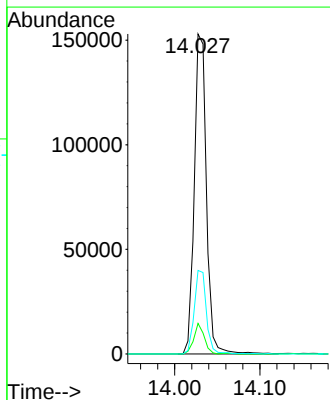
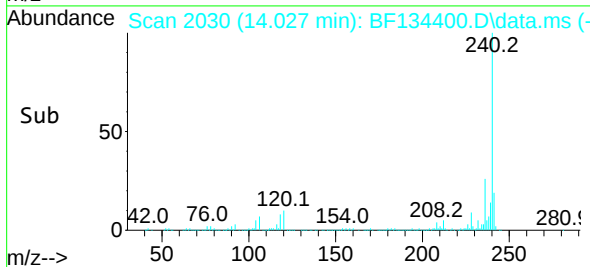
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

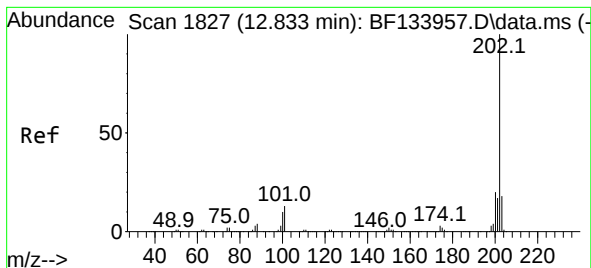


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31



Tgt Ion:240 Resp: 151501
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 26.1 21.0 31.6





#78

Pyrene

Concen: 4.578 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134400.D

Acq: 21 Jul 2023 14:31

Instrument :

BNA_F

ClientSampleId :

TP1

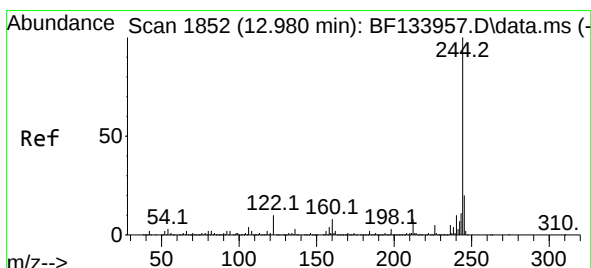
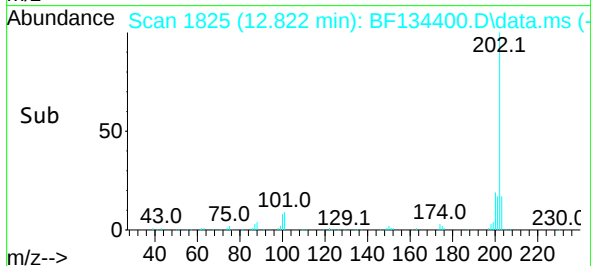
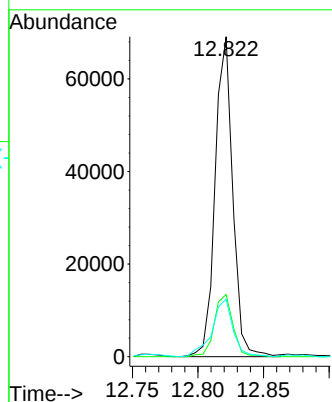
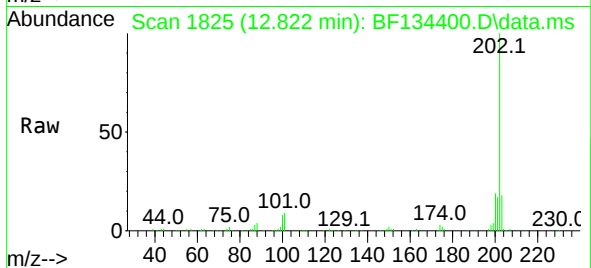
Tgt Ion:	202	Resp:	64540
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.1	24.1
203	18.0	14.3	21.5

Manual Integrations

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Supervised By :mohammad ahmed 07/24/2023



#79

Terphenyl-d14

Concen: 52.498 ng

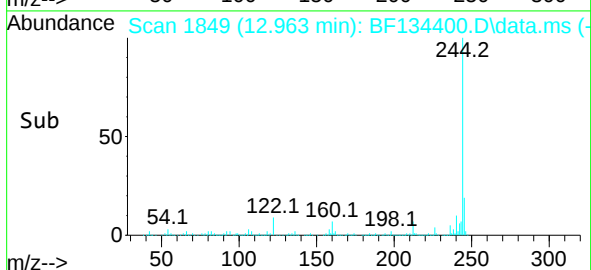
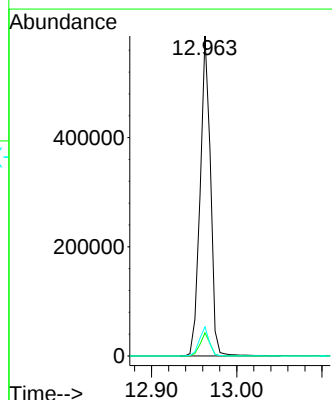
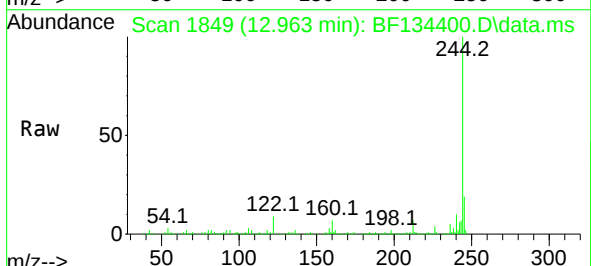
RT: 12.963 min Scan# 1849

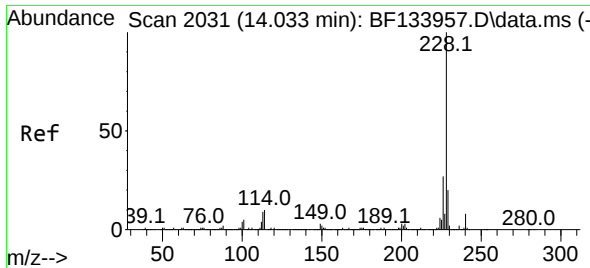
Delta R.T. -0.012 min

Lab File: BF134400.D

Acq: 21 Jul 2023 14:31

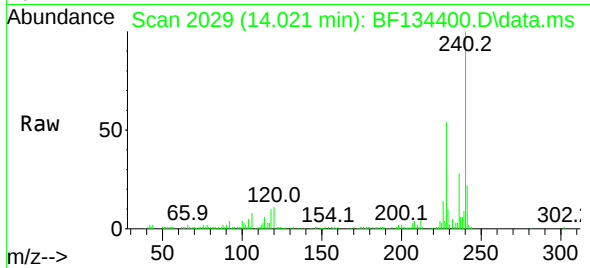
Tgt Ion:	244	Resp:	494184
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	9.1	8.3	12.5





#81
Benzo(a)anthracene
Concen: 2.629 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

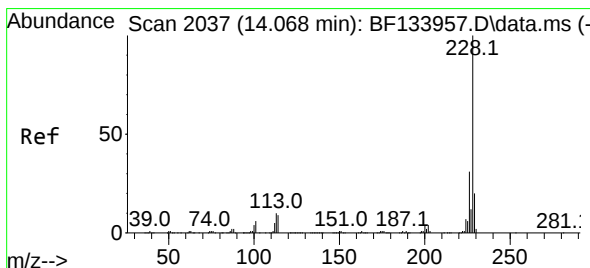
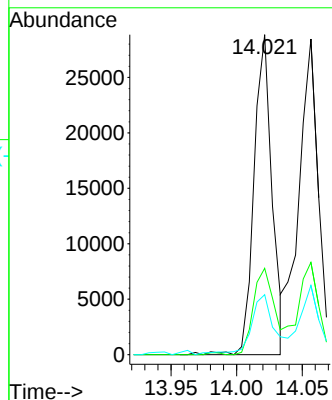
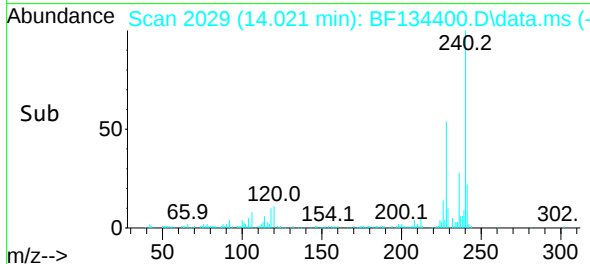
Instrument :
BNA_F
ClientSampleId :
TP1



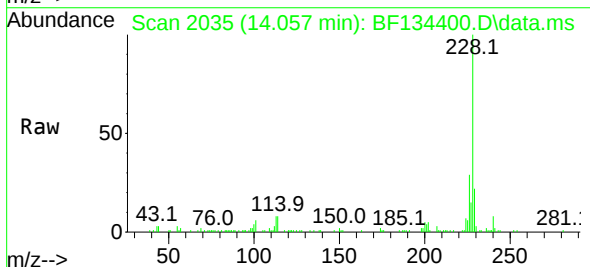
Tgt Ion:228 Resp: 2762
Ion Ratio Lower Upper
228 100
226 27.0 22.0 33.0
229 18.7 16.3 24.5

Manual Integrations
APPROVED

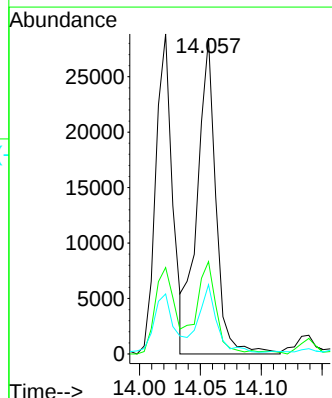
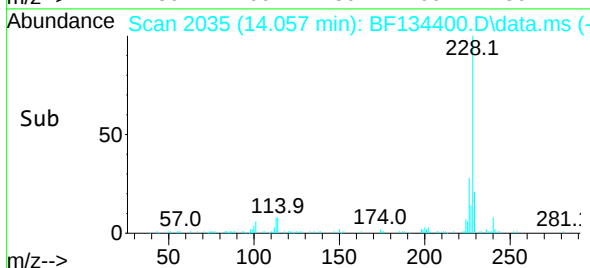
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

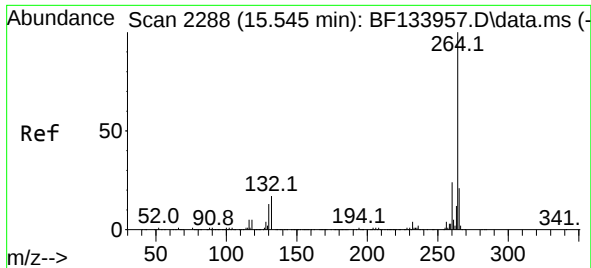


#83
Chrysene
Concen: 3.014 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31



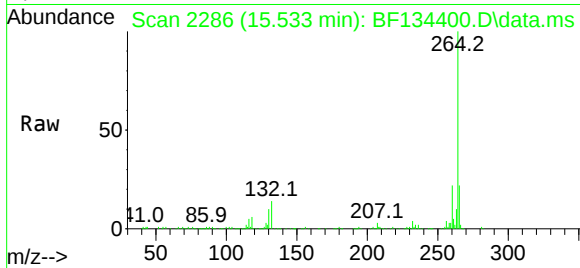
Tgt Ion:228 Resp: 30675
Ion Ratio Lower Upper
228 100
226 29.2 24.4 36.6
229 21.9 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31

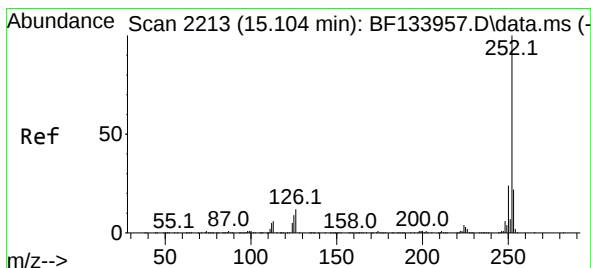
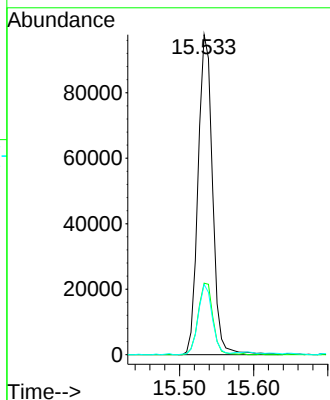
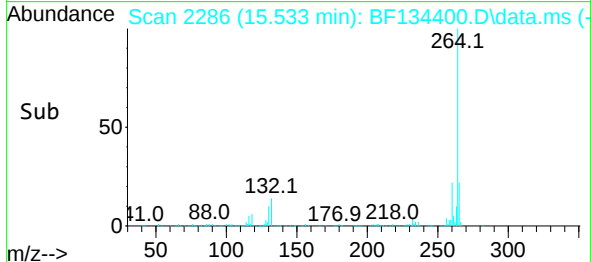
Instrument :
BNA_F
ClientSampleId :
TP1



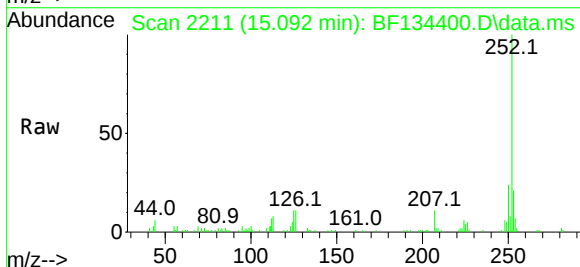
Tgt Ion:264 Resp: 132194
Ion Ratio Lower Upper
264 100
260 22.3 19.5 29.3
265 22.0 16.6 25.0

Manual Integrations
APPROVED

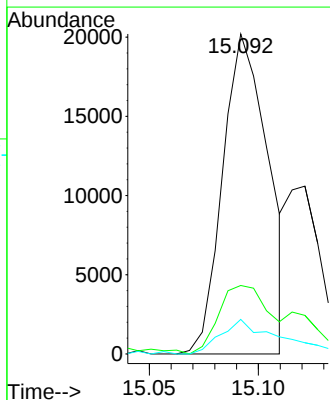
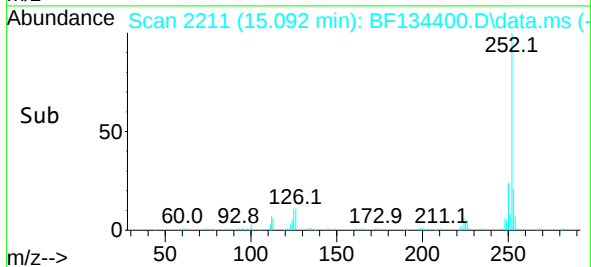
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

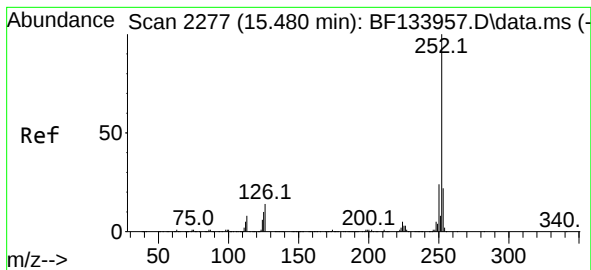


#88
Benzo(b)fluoranthene
Concen: 3.767 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134400.D
Acq: 21 Jul 2023 14:31



Tgt Ion:252 Resp: 29282
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 10.8 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 2.692 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134400.D

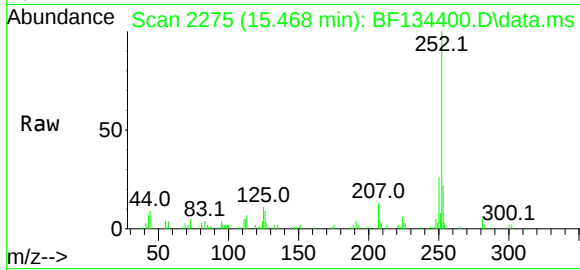
Acq: 21 Jul 2023 14:31

Instrument :

BNA_F

ClientSampleId :

TP1



Tgt Ion:252 Resp: 20230

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 10.6 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023

