

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136037.D
 Acq On : 30 Oct 2023 20:02
 Operator : CG\JU
 Sample : 05062-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102523

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 31 01:41:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	172610	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	646854	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	321216	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	505387	20.000	ng	0.00
76) Chrysene-d12	14.010	240	389503	20.000	ng	0.00
86) Perylene-d12	15.498	264	323349	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	397121	36.153	ng	-0.01
7) Phenol-d6	6.445	99	493475	36.057	ng	-0.01
23) Nitrobenzene-d5	7.375	82	294058	27.404	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	114181	33.303	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	587741	29.168	ng	0.00
79) Terphenyl-d14	12.957	244	530724	21.175	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.375	178	57034	2.241	ng	97
75) Fluoranthene	12.574	202	75132m	2.874	ng	
78) Pyrene	12.804	202	94793	2.760	ng	98
81) Benzo(a)anthracene	13.998	228	54655	2.120	ng	# 92
83) Chrysene	14.033	228	53833m	2.120	ng	
88) Benzo(b)fluoranthene	15.057	252	61327m	3.205	ng	
90) Benzo(a)pyrene	15.427	252	38388	2.159	ng	# 90
92) Benzo(g,h,i)perylene	17.456	276	21346	3.913	ng	# 90

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

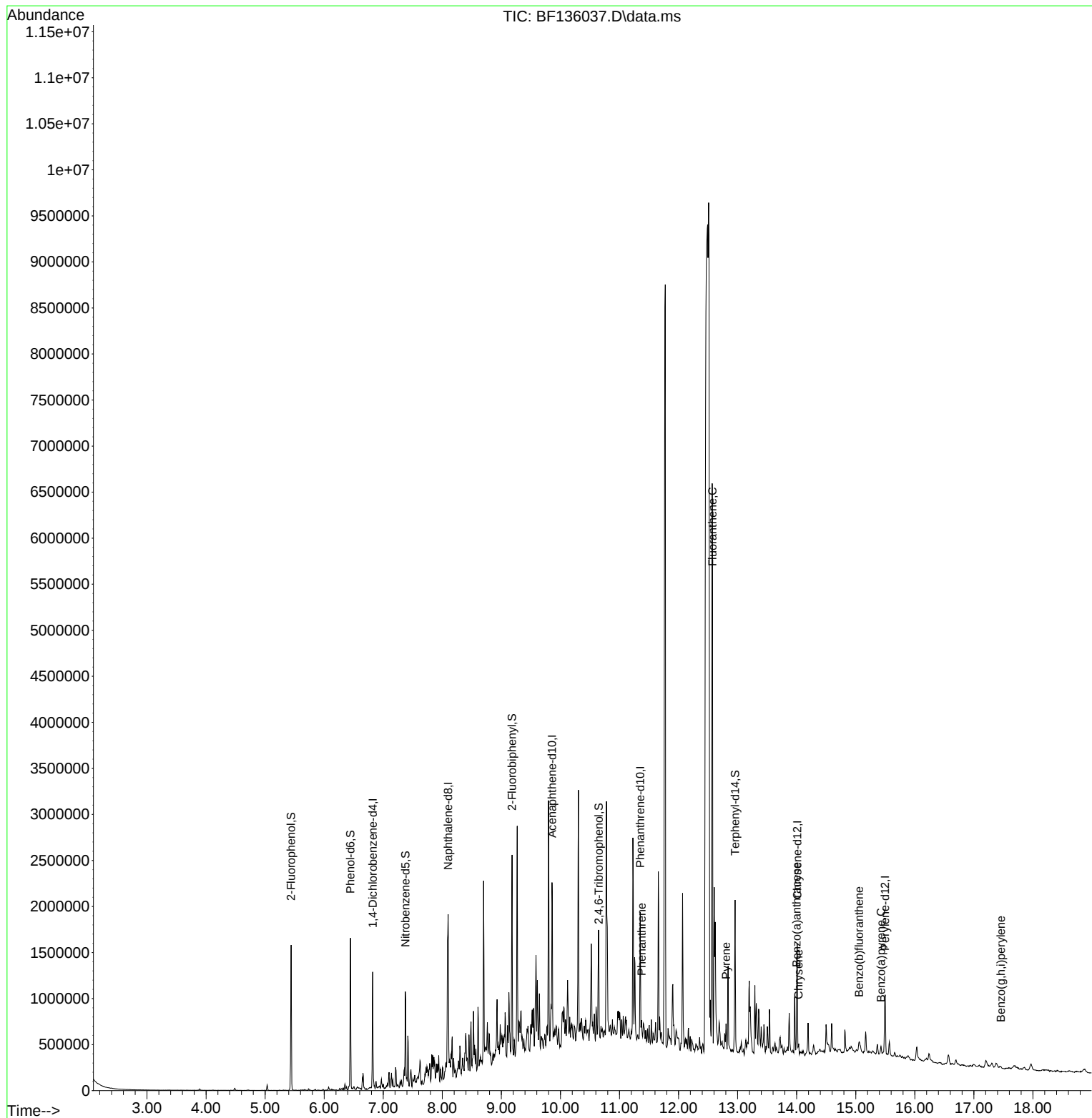
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136037.D
Acq On : 30 Oct 2023 20:02
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Supervised By :mohammad ahmed 10/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

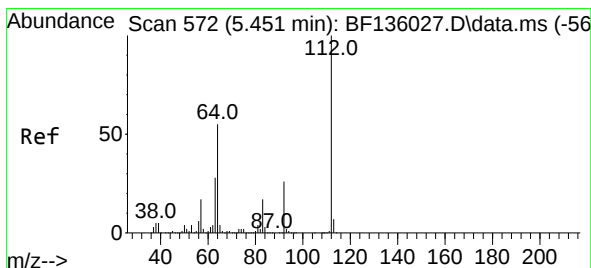
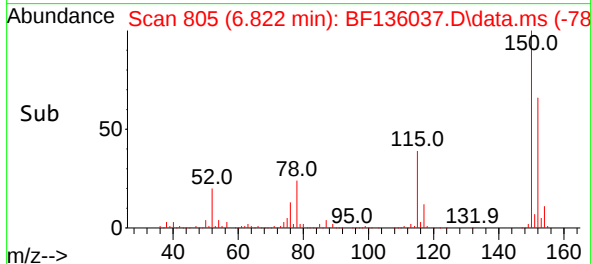
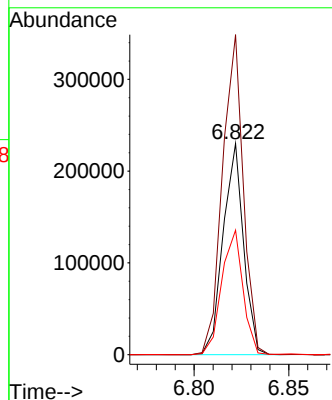
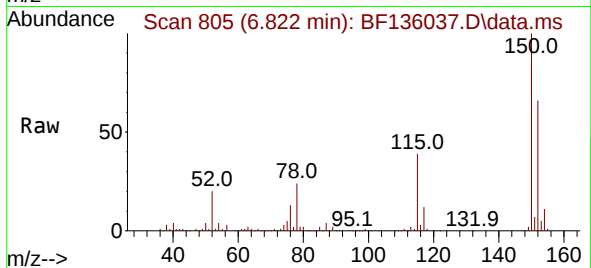
NB-07-102523

Tgt Ion:152 Resp: 172610
Ion Ratio Lower Upper
152 100
150 151.5 126.4 189.6
115 58.9 47.0 70.4

Manual Integrations

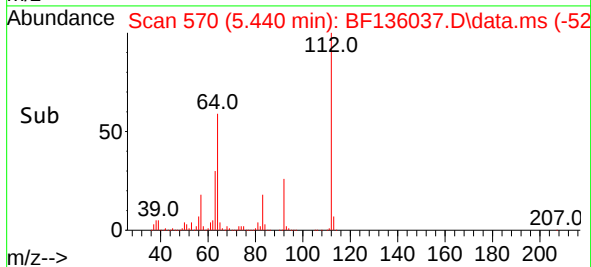
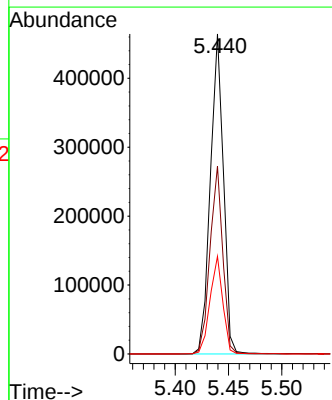
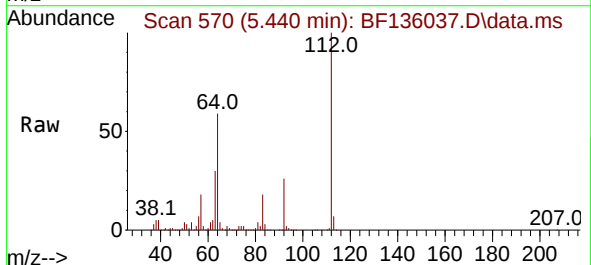
APPROVED

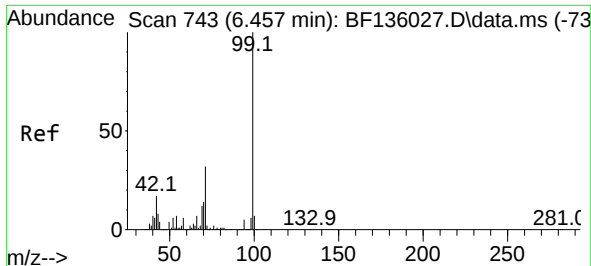
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#5
2-Fluorophenol
Concen: 36.153 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

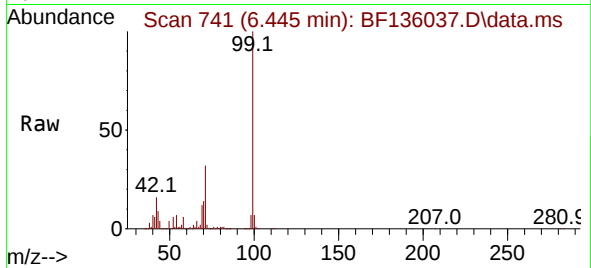
Tgt Ion:112 Resp: 397121
Ion Ratio Lower Upper
112 100
64 58.7 43.9 65.9
63 30.5 22.4 33.6





#7
Phenol-d6
Concen: 36.057 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

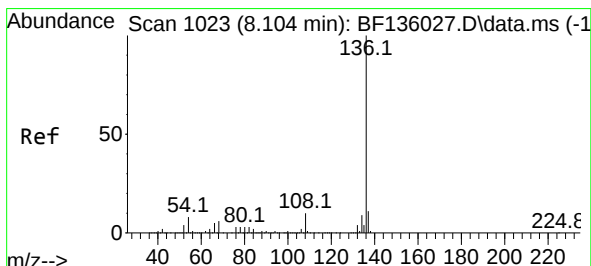
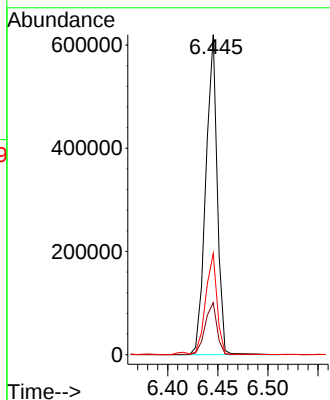
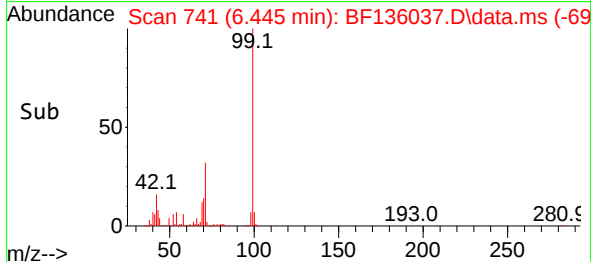
Instrument :
BNA_F
ClientSampleId :
NB-07-102523



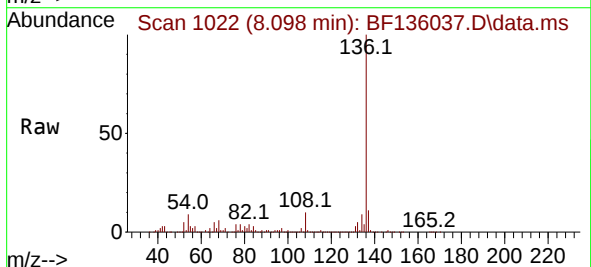
Tgt Ion: 99 Resp: 493475
Ion Ratio Lower Upper
99 100
42 16.3 13.7 20.5
71 31.6 25.9 38.9

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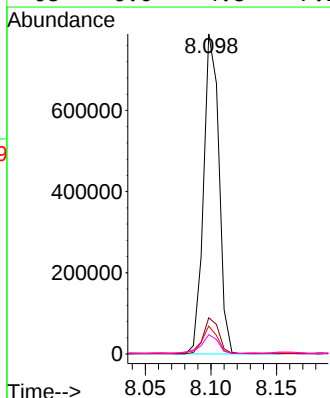
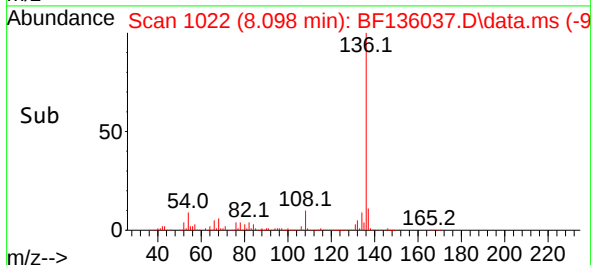
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02



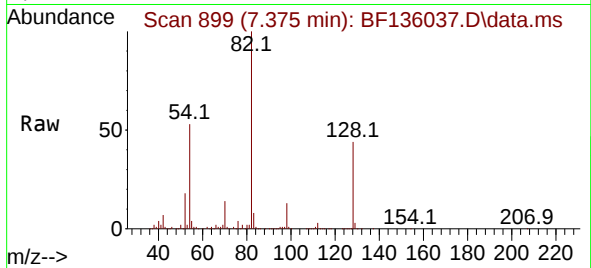
Tgt Ion:136 Resp: 646854
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.7 6.6 9.8
68 6.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 27.404 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.017 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

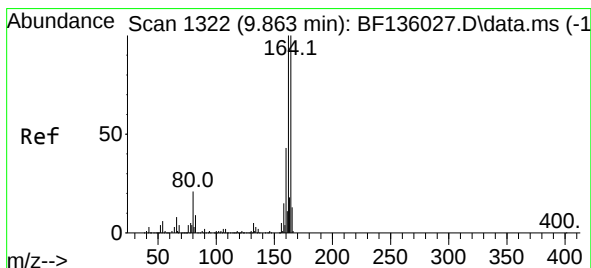
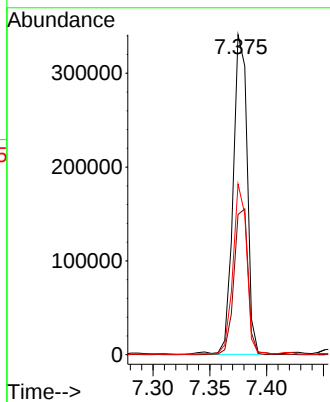
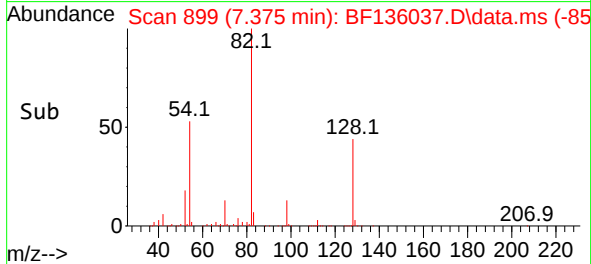
Instrument :
BNA_F
ClientSampleId :
NB-07-102523



Tgt Ion: 82 Resp: 294058
Ion Ratio Lower Upper
82 100
128 43.8 38.6 57.8
54 53.3 40.8 61.2

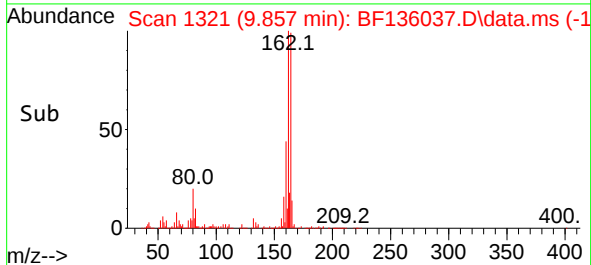
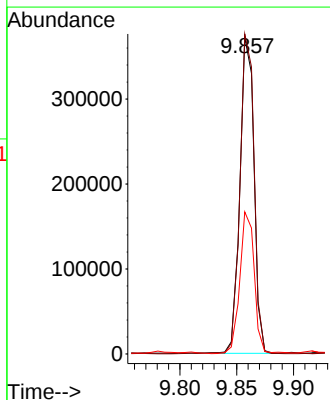
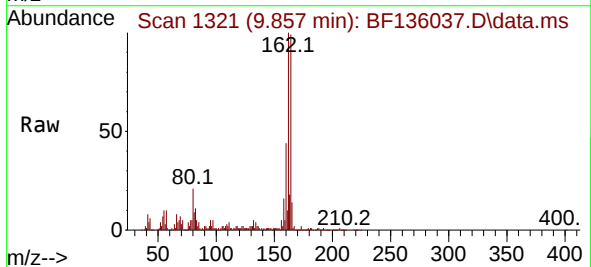
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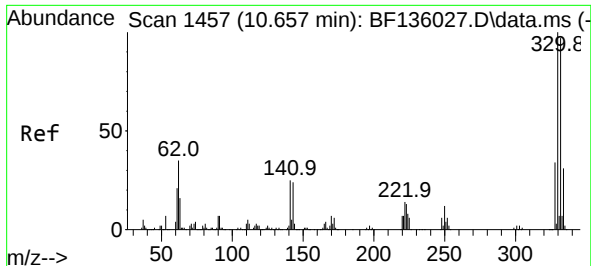
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:164 Resp: 321216
Ion Ratio Lower Upper
164 100
162 101.1 80.1 120.1
160 44.9 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 33.303 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

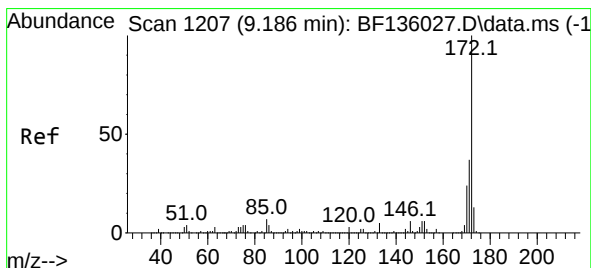
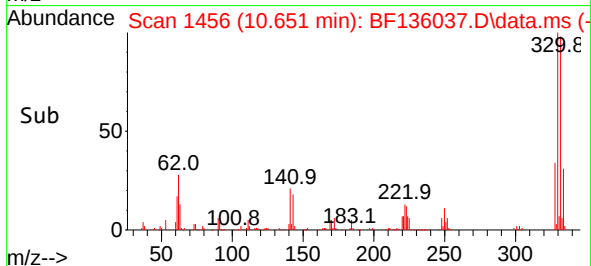
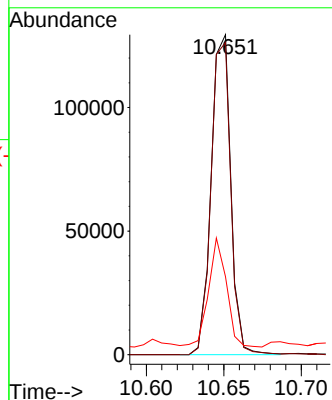
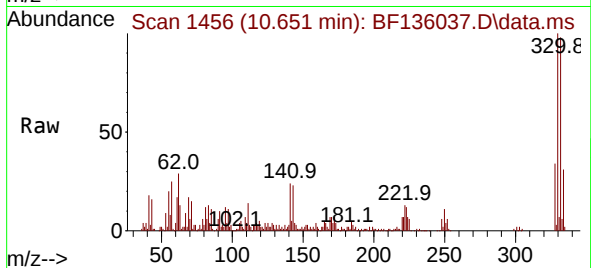
NB-07-102523

Tgt Ion:330 Resp: 11418
Ion Ratio Lower Upper
330 100
332 98.5 76.9 115.3
141 31.1 23.2 34.8

Manual Integrations

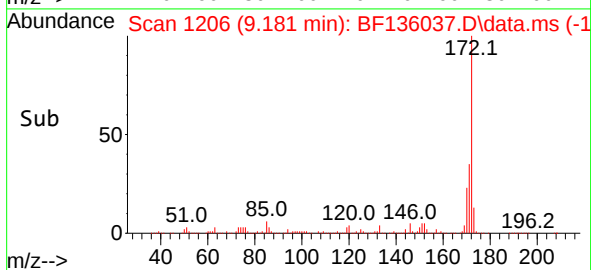
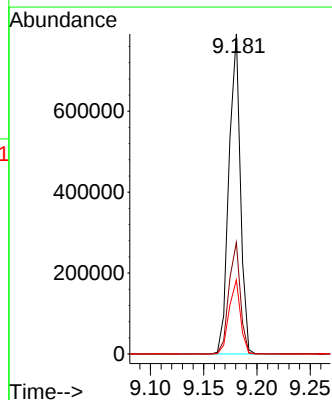
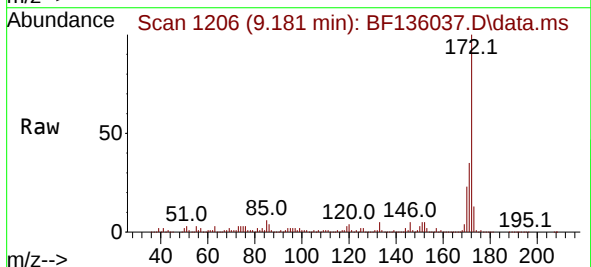
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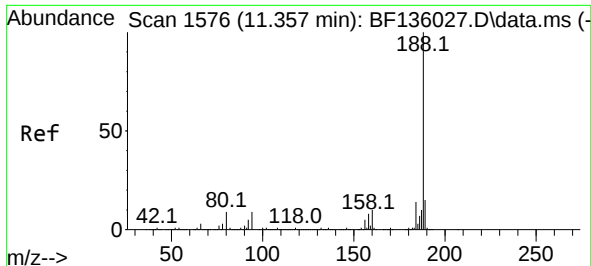
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#45
2-Fluorobiphenyl
Concen: 29.168 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:172 Resp: 587741
Ion Ratio Lower Upper
172 100
171 34.8 29.4 44.0
170 23.2 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

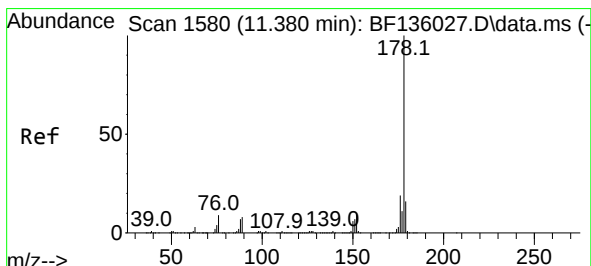
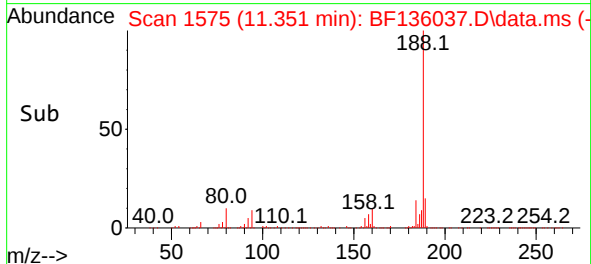
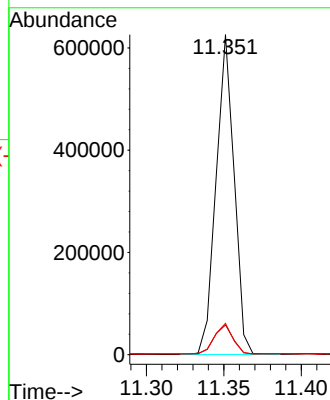
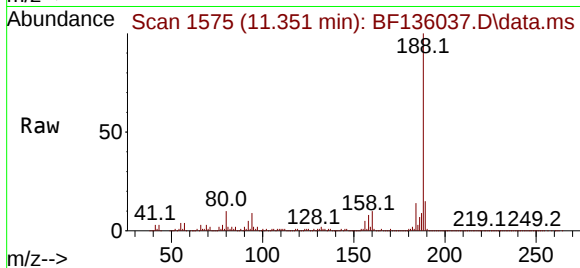
NB-07-102523

Tgt Ion:188 Resp: 50538
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 9.8 7.4 11.0

Manual Integrations

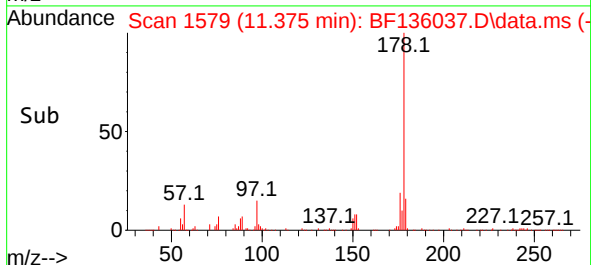
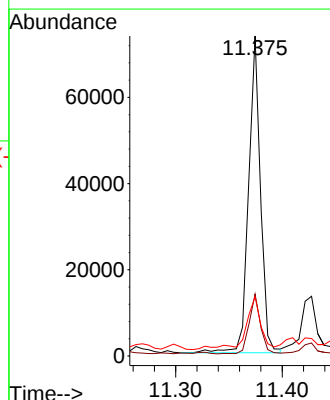
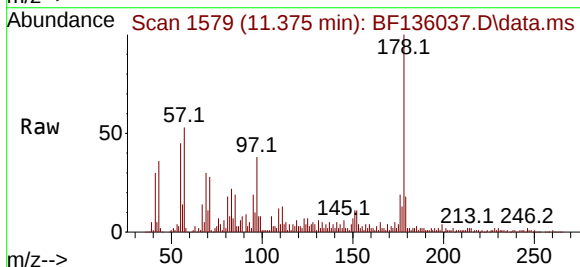
APPROVED

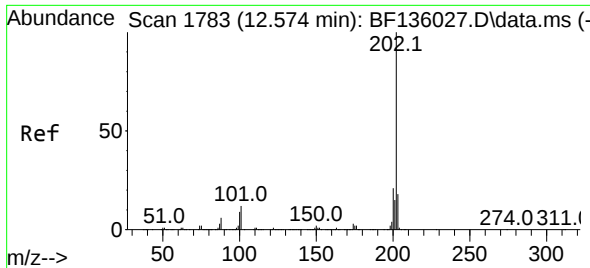
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#71
Phenanthrene
Concen: 2.241 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:178 Resp: 57034
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 18.5 12.9 19.3





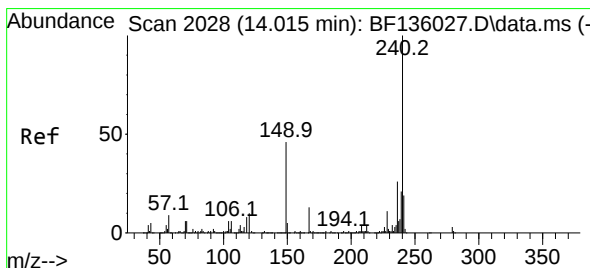
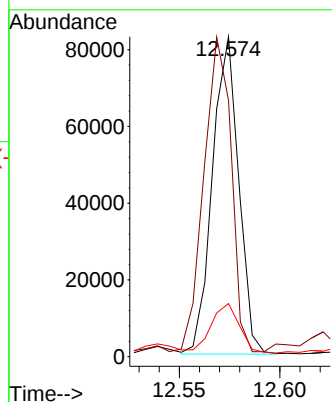
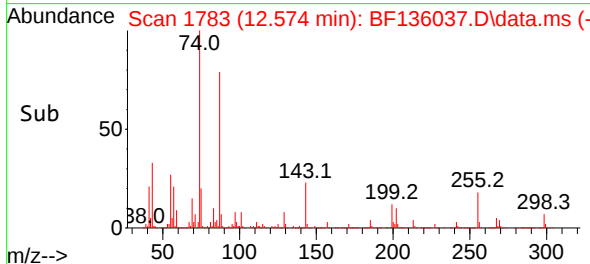
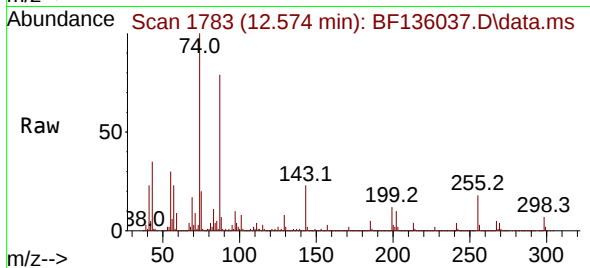
#75
Fluoranthene
Concen: 2.874 ng m
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Instrument :
BNA_F
ClientSampleId :
NB-07-102523

Tgt Ion:202 Resp: 75132
Ion Ratio Lower Upper
202 100
101 80.1 0.0 31.8
203 16.6 0.0 37.9

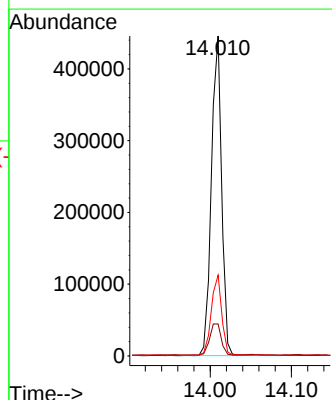
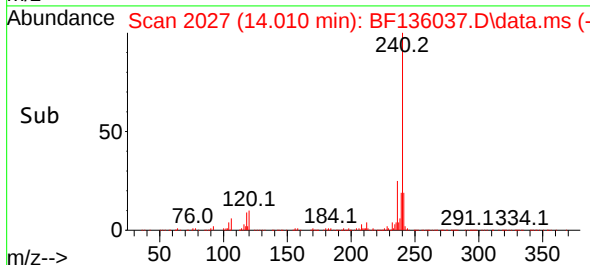
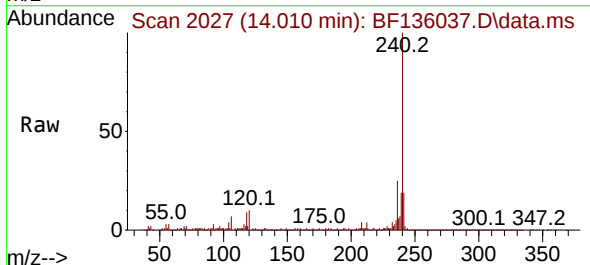
Manual Integrations
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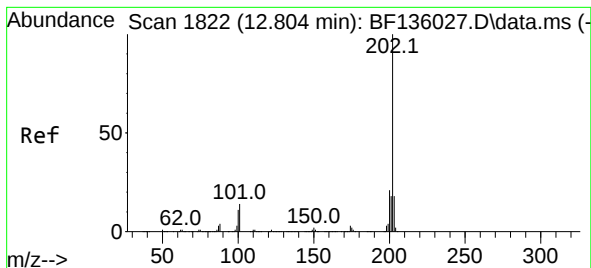
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:240 Resp: 389503
Ion Ratio Lower Upper
240 100
120 10.0 7.6 11.4
236 25.3 20.6 31.0





#78

Pyrene

Concen: 2.760 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

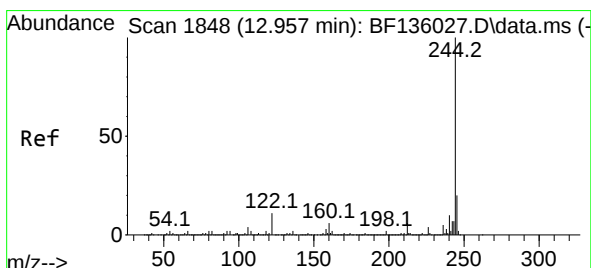
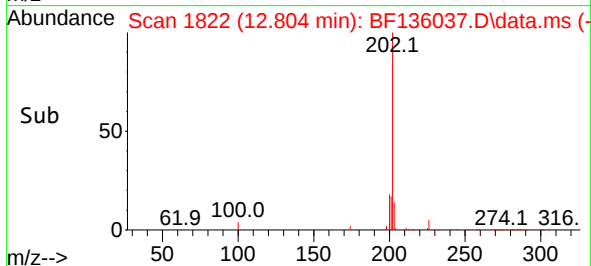
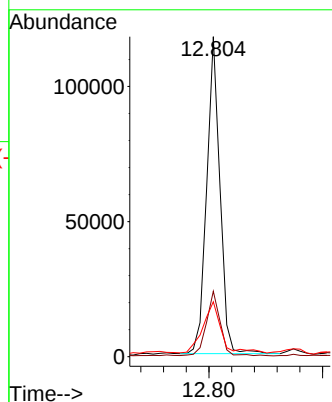
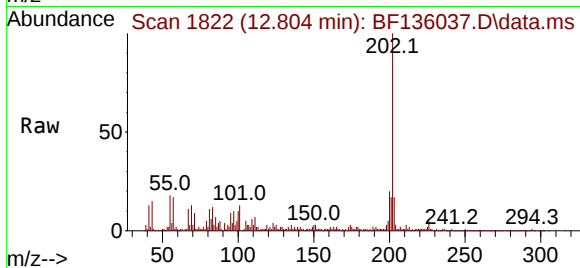
Tgt Ion:	202	Resp:	94793
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.4
203	17.2	14.4	21.6

Manual Integrations

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Supervised By :mohammad ahmed 10/31/2023



#79

Terphenyl-d14

Concen: 21.175 ng

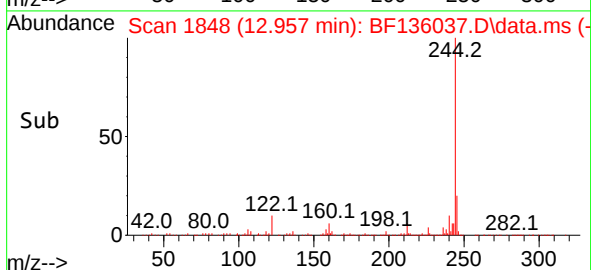
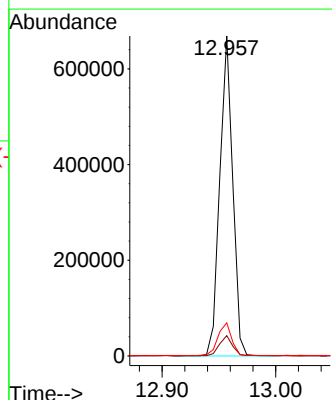
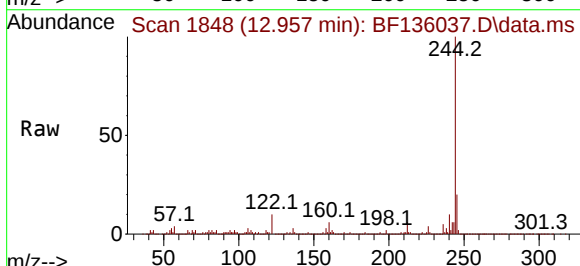
RT: 12.957 min Scan# 1848

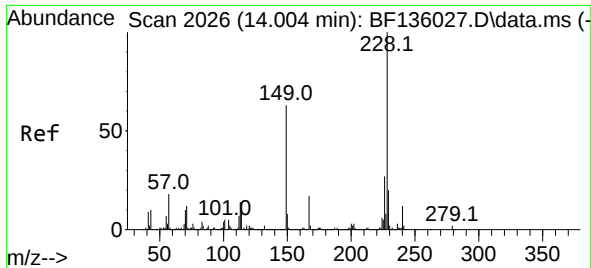
Delta R.T. 0.000 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Tgt Ion:	244	Resp:	530724
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.1	7.7
122	10.4	8.6	12.8





#81
Benzo(a)anthracene
Concen: 2.120 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

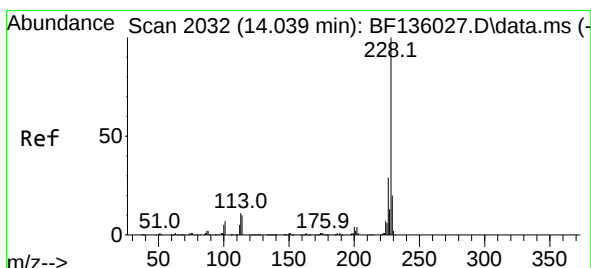
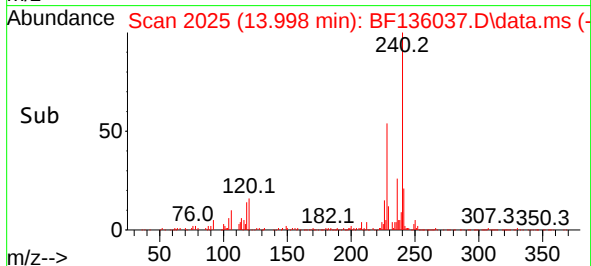
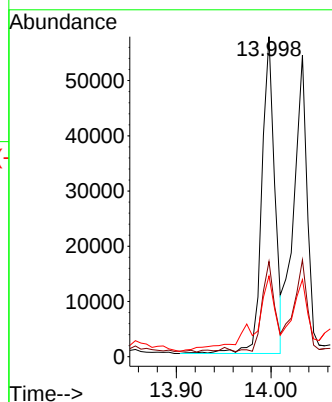
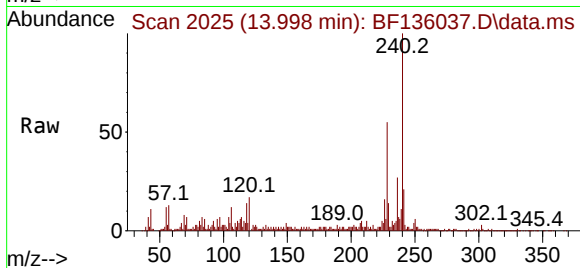
Tgt Ion:228 Resp: 5465
Ion Ratio Lower Upper
228 100
226 29.7 21.5 32.3
229 25.2 15.8 23.6

Manual Integrations

APPROVED

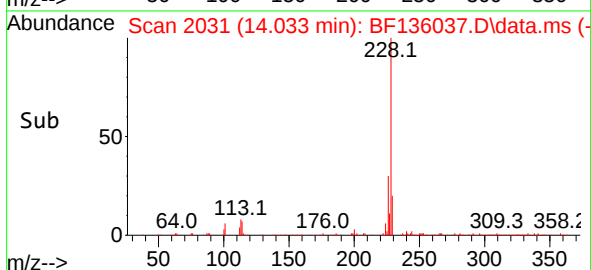
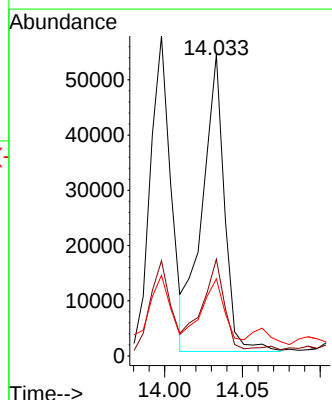
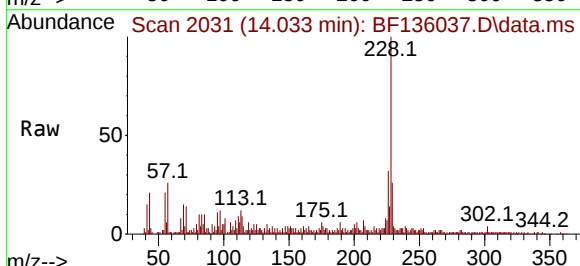
Reviewed By :Yogesh Patel 10/31/2023

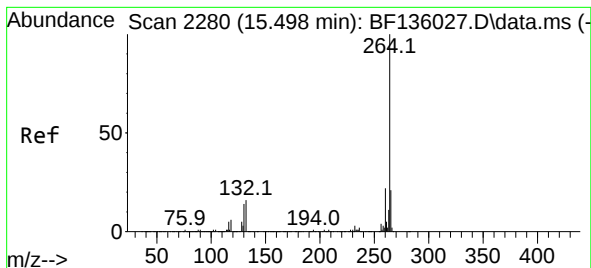
Supervised By :mohammad ahmed 10/31/2023



#83
Chrysene
Concen: 2.120 ng m
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:228 Resp: 53833
Ion Ratio Lower Upper
228 100
226 32.1 23.5 35.3
229 25.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

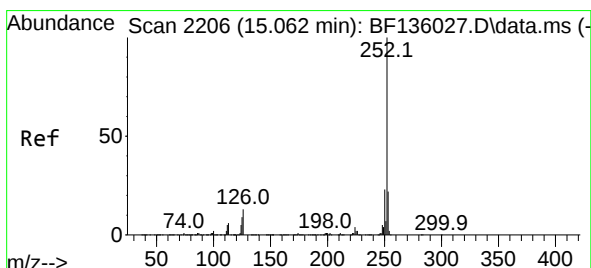
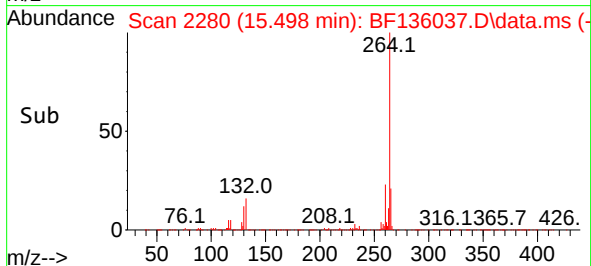
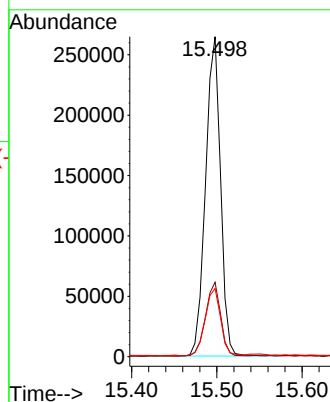
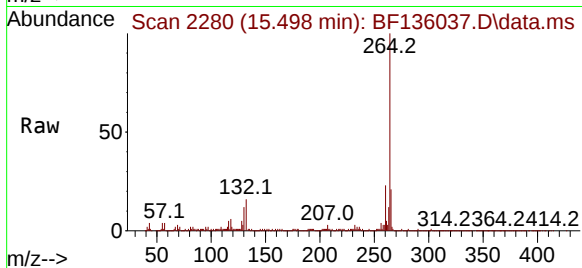
ClientSampleId :

NB-07-102523

Tgt Ion:264 Resp: 323349
 Ion Ratio Lower Upper
 264 100
 260 23.2 17.9 26.9
 265 21.3 16.8 25.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



#88

Benzo(b)fluoranthene

Concen: 3.205 ng m

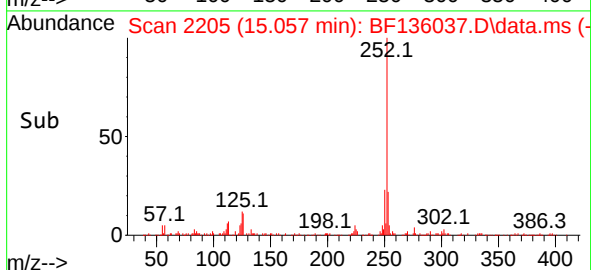
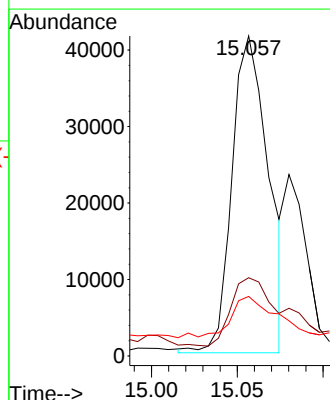
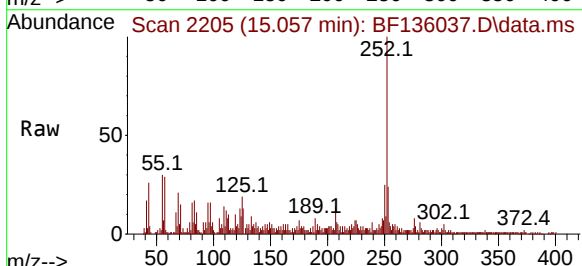
RT: 15.057 min Scan# 2205

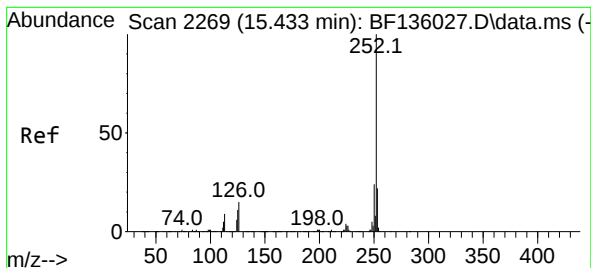
Delta R.T. -0.006 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Tgt Ion:252 Resp: 61327
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.7 26.5
 125 18.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 2.159 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

Tgt Ion:252 Resp: 3838

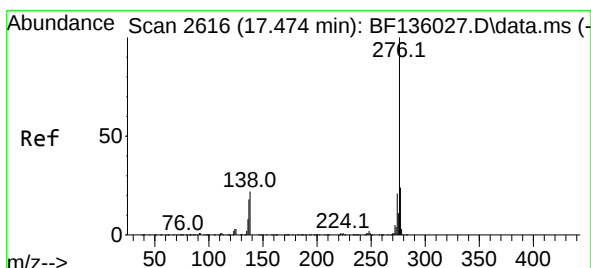
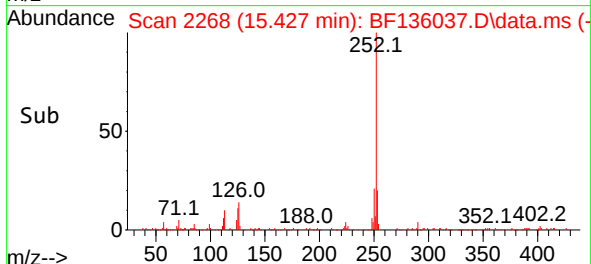
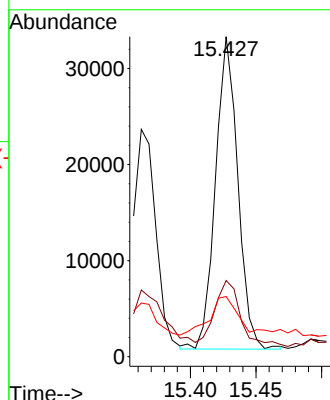
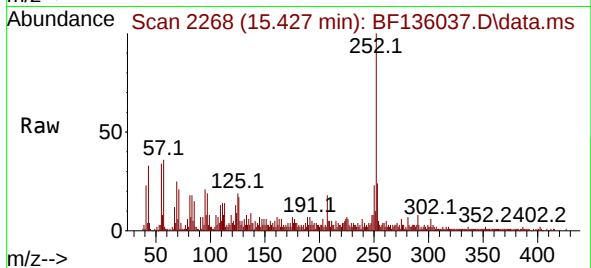
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	18.8	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/31/2023

Supervised By :mohammad ahmed 10/31/2023



#92

Benzo(g,h,i)perylene

Concen: 3.913 ng

RT: 17.456 min Scan# 2613

Delta R.T. -0.018 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Tgt Ion:276 Resp: 21346

Ion	Ratio	Lower	Upper
276	100		
277	28.9	19.0	28.4#
138	26.3	17.4	26.2#

