

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133629.D
 Acq On : 07 Jun 2023 17:24
 Operator : CG\JU
 Sample : 03018-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 278

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 07 17:56:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	136627	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	489759	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	212908	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	339732	20.000	ng	0.00
76) Chrysene-d12	14.010	240	233160	20.000	ng	0.00
86) Perylene-d12	15.474	264	183190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	618032	75.473	ng	0.00
7) Phenol-d6	6.463	99	758522	75.247	ng	0.00
23) Nitrobenzene-d5	7.398	82	509068	69.401	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	165159	77.821	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	801825	58.127	ng	0.00
79) Terphenyl-d14	12.951	244	609478	46.476	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	74832	3.152	ng	98
37) 2-Methylnaphthalene	8.833	142	32890	2.029	ng	99
52) Acenaphthene	9.904	154	41847	3.229	ng	97
58) Fluorene	10.422	166	30928	2.189	ng	96
71) Phenanthrene	11.386	178	378185	21.978	ng	99
72) Anthracene	11.439	178	88592	5.003	ng	99
73) Carbazole	11.592	167	37550	2.242	ng	100
75) Fluoranthene	12.580	202	647159	34.049	ng	99
78) Pyrene	12.810	202	586534	29.562	ng	98
81) Benzo(a)anthracene	13.998	228	315924	20.340	ng	98
83) Chrysene	14.033	228	274444	17.503	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	138601m	11.878	ng	
88) Benzo(b)fluoranthene	15.051	252	336718m	28.227	ng	
89) Benzo(k)fluoranthene	15.074	252	85138m	7.320	ng	
90) Benzo(a)pyrene	15.415	252	211517	19.487	ng	97
91) Dibenzo(a,h)anthracene	16.945	278	34408	3.637	ng	# 89
92) Benzo(g,h,i)perylene	17.374	276	128987	13.521	ng	96

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

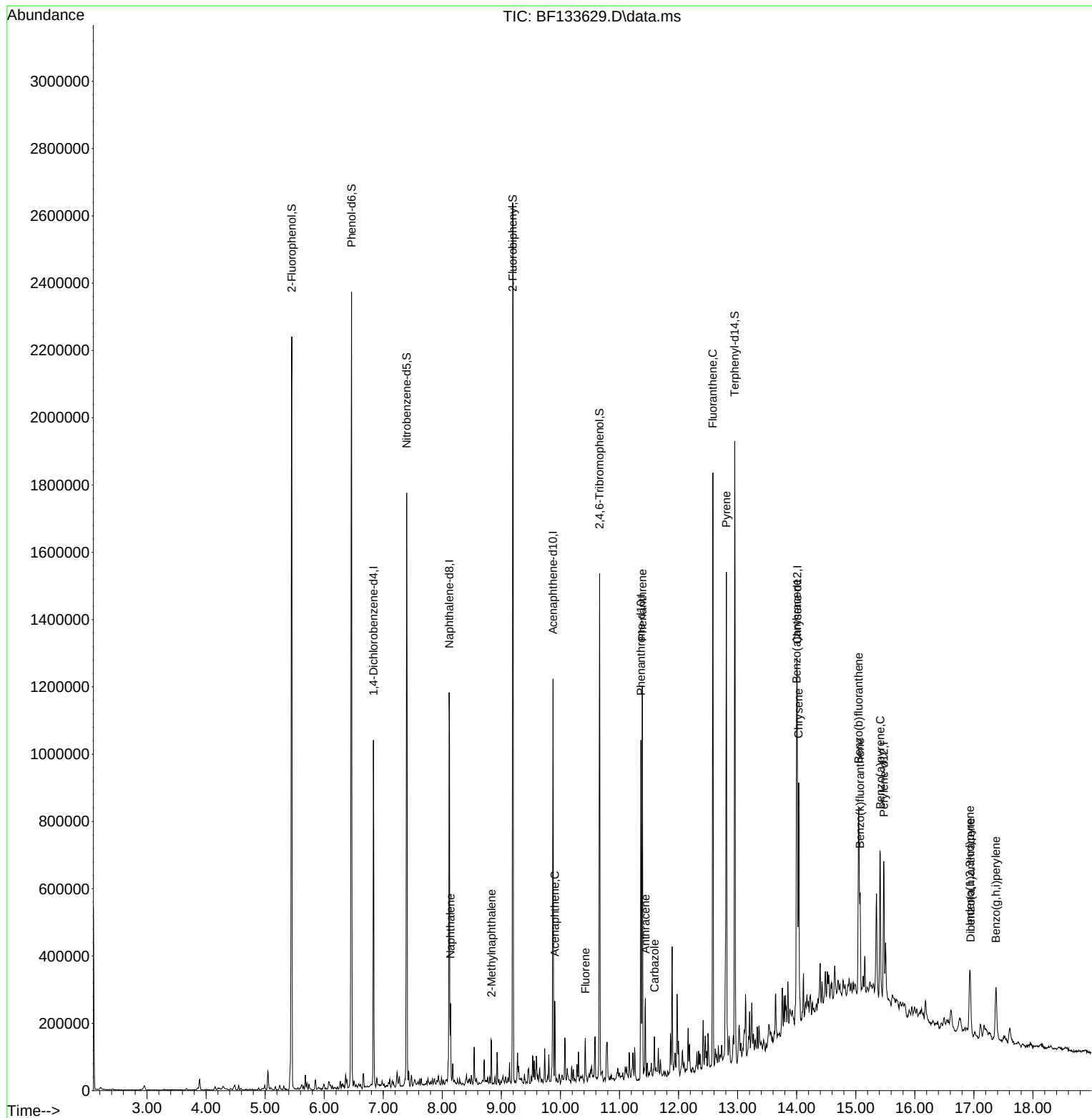
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
Data File : BF133629.D
Acq On : 07 Jun 2023 17:24
Operator : CG\JU
Sample : 03018-11
Misc :
ALS Vial : 16 Sample Multiplier: 1

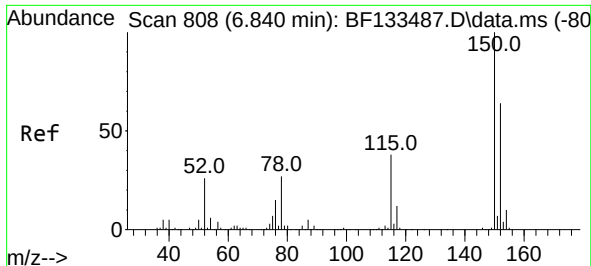
Instrument :
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Supervised By :mohammad ahmed 06/08/2023

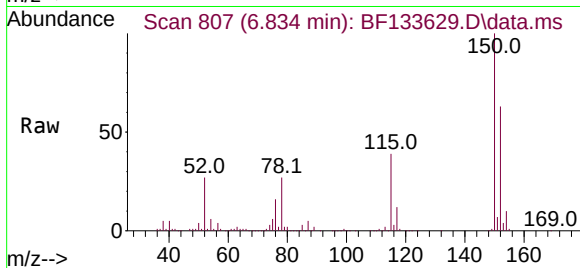
Quant Time: Jun 07 17:56:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 07 11:27:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

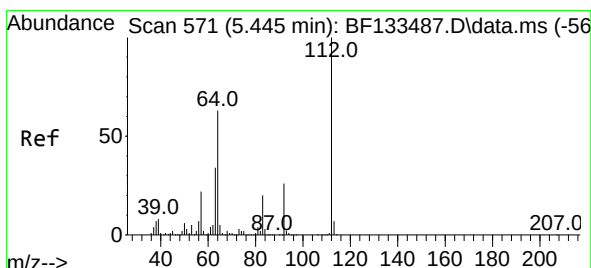
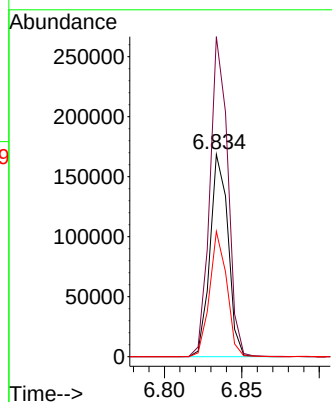
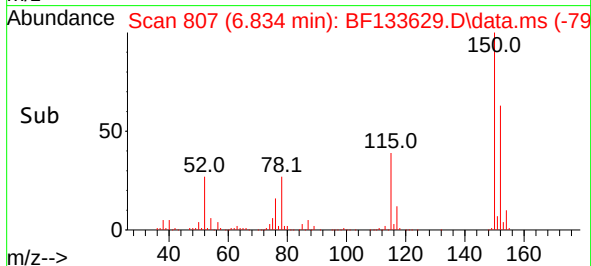
Instrument :
BNA_F
ClientSampleId :
278



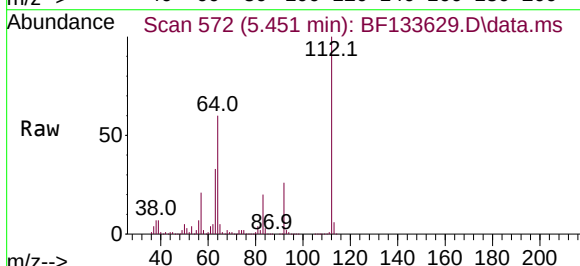
Tgt Ion:152 Resp: 13662
Ion Ratio Lower Upper
152 100
150 158.2 124.9 187.3
115 61.9 48.1 72.1

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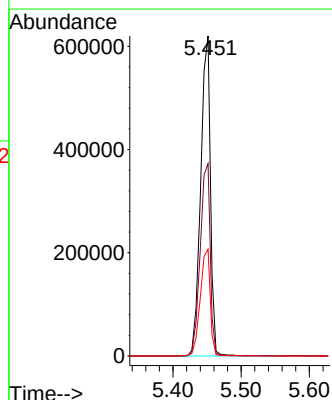
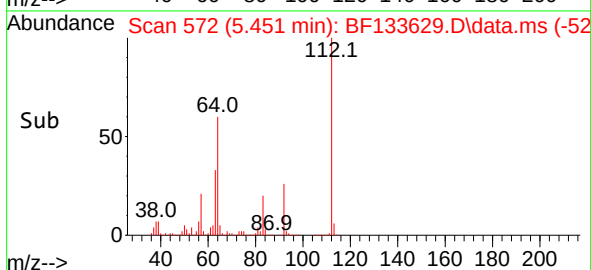
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

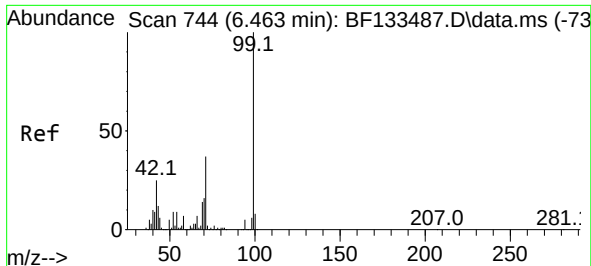


#5
2-Fluorophenol
Concen: 75.473 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24



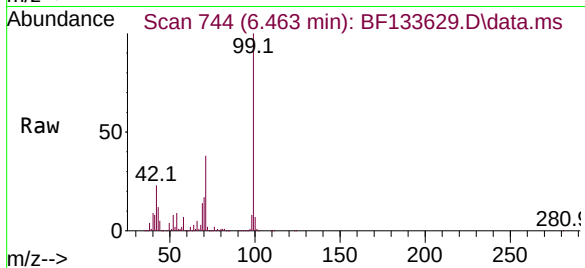
Tgt Ion:112 Resp: 618032
Ion Ratio Lower Upper
112 100
64 60.1 50.1 75.1
63 33.3 27.5 41.3





#7
Phenol-d6
Concen: 75.247 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

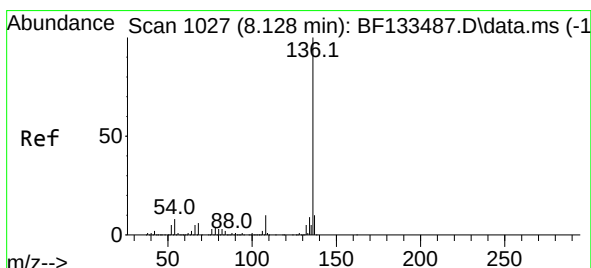
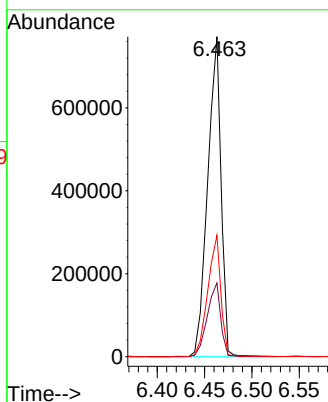
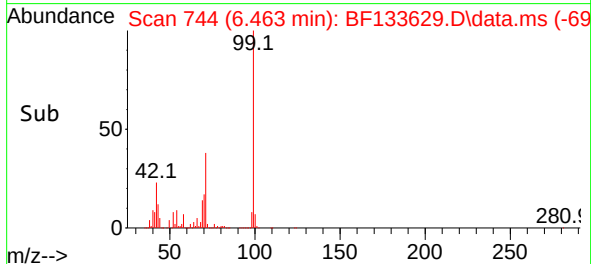
Instrument :
BNA_F
ClientSampleId :
278



Tgt Ion: 99 Resp: 75852
Ion Ratio Lower Upper
99 100
42 23.1 19.7 29.5
71 37.9 29.8 44.8

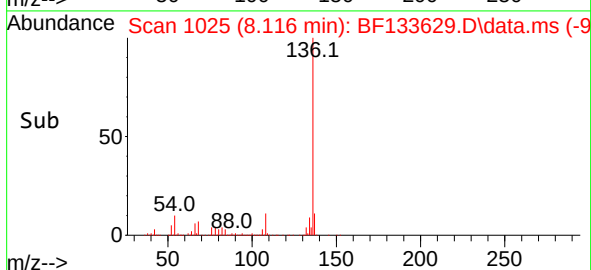
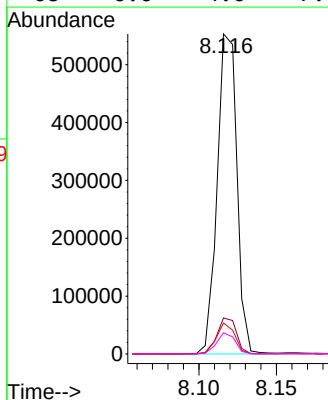
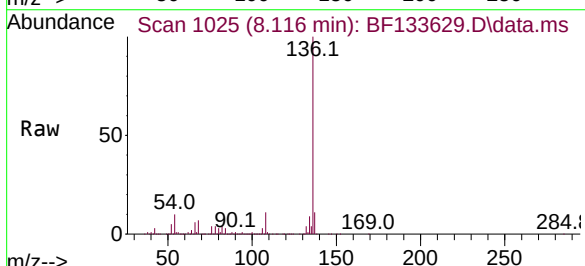
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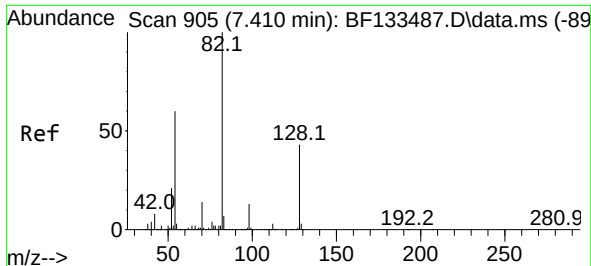
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

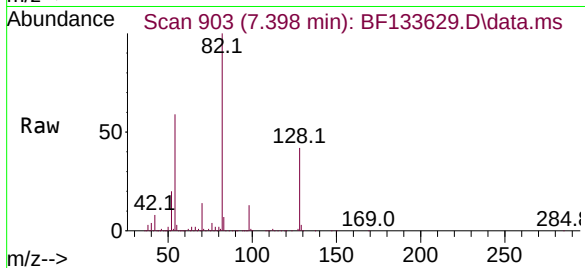
Tgt Ion:136 Resp: 489759
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.4
54 9.7 6.6 10.0
68 6.6 4.6 7.0





#23
Nitrobenzene-d5
Concen: 69.401 ng
RT: 7.398 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

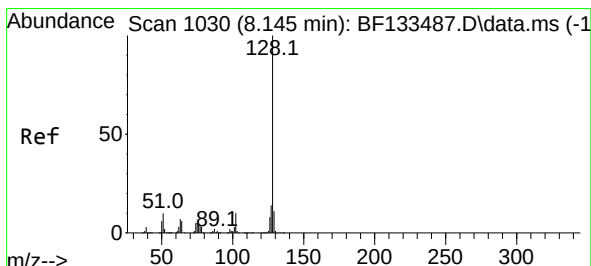
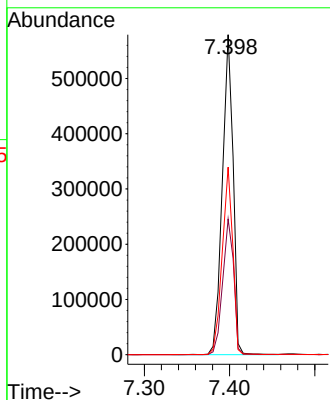
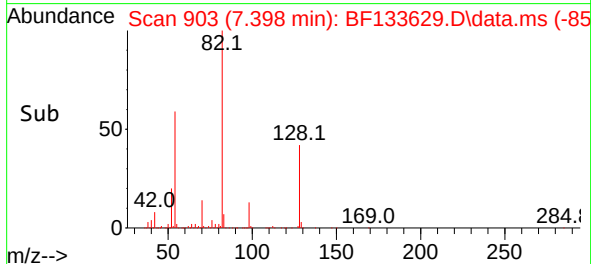
Instrument :
BNA_F
ClientSampleId :
278



Tgt Ion: 82 Resp: 509068
Ion Ratio Lower Upper
82 100
128 42.4 34.2 51.4
54 58.6 48.2 72.4

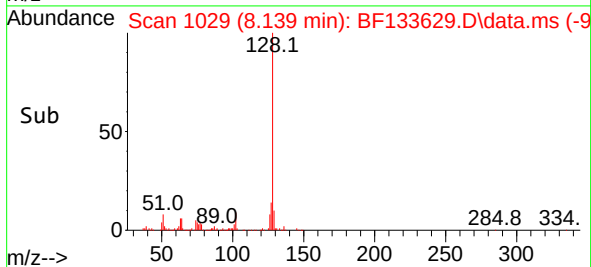
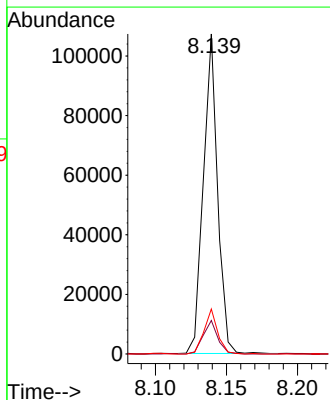
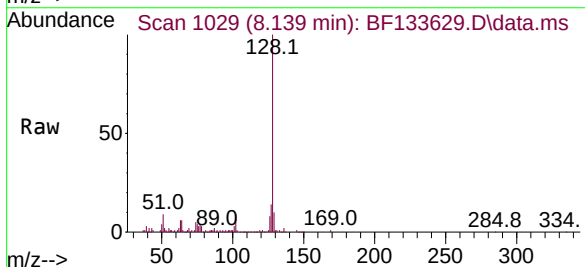
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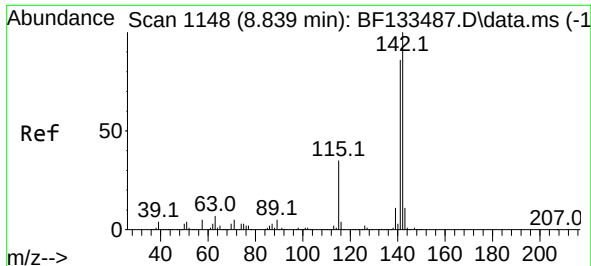
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#31
Naphthalene
Concen: 3.152 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

Tgt Ion:128 Resp: 74832
Ion Ratio Lower Upper
128 100
129 10.4 9.2 13.8
127 14.1 10.9 16.3





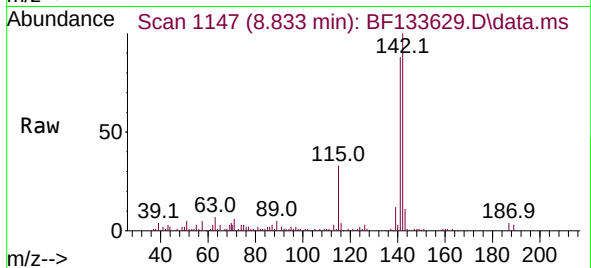
#37
2-Methylnaphthalene
Concen: 2.029 ng
RT: 8.833 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

278

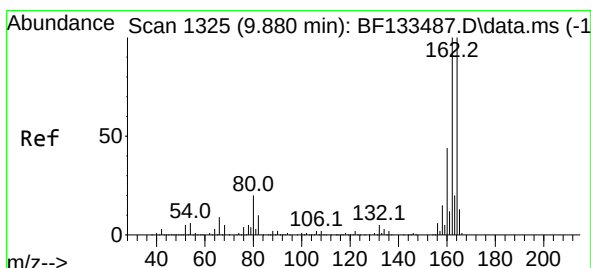
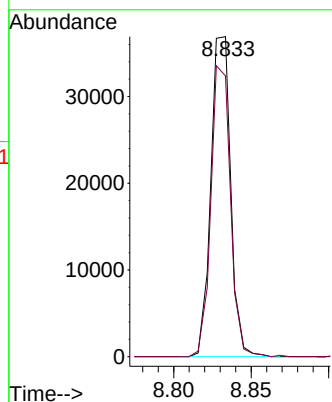
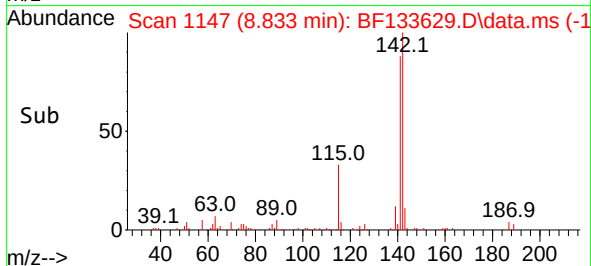


Tgt Ion:142 Resp: 32890
Ion Ratio Lower Upper
142 100
141 87.7 69.2 103.8

Manual Integrations

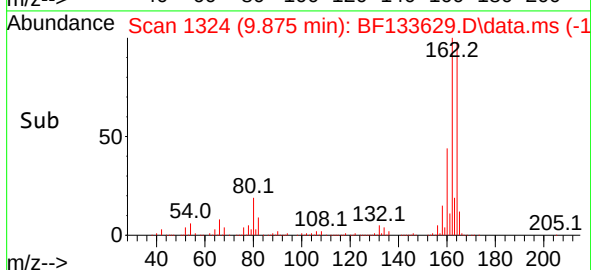
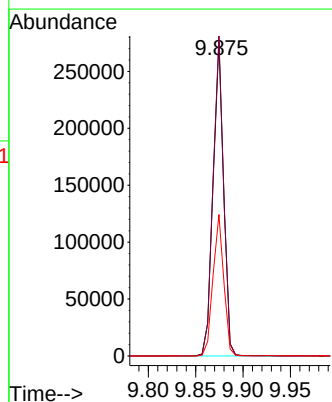
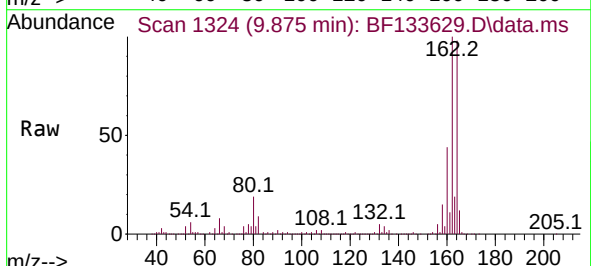
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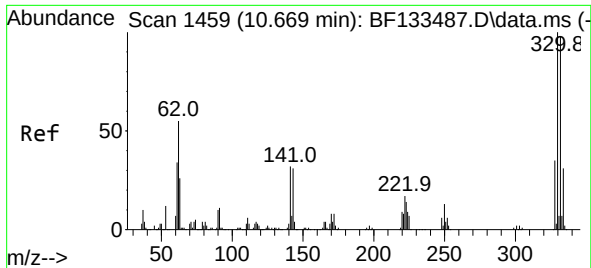
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

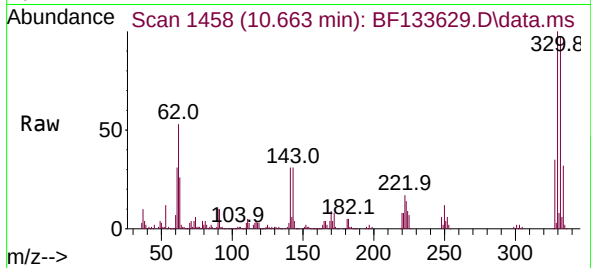
Tgt Ion:164 Resp: 212908
Ion Ratio Lower Upper
164 100
162 101.9 79.7 119.5
160 45.0 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 77.821 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

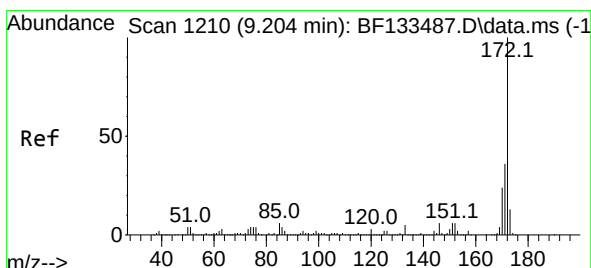
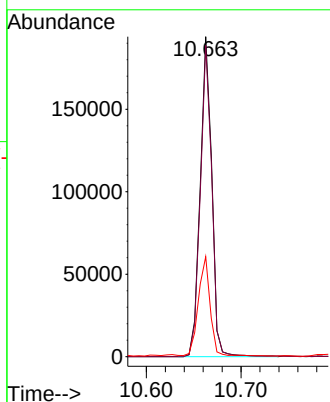
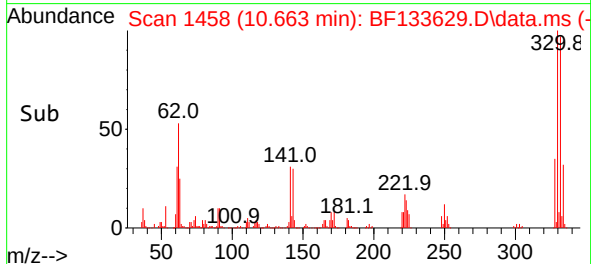
Instrument :
BNA_F
ClientSampleId :
278



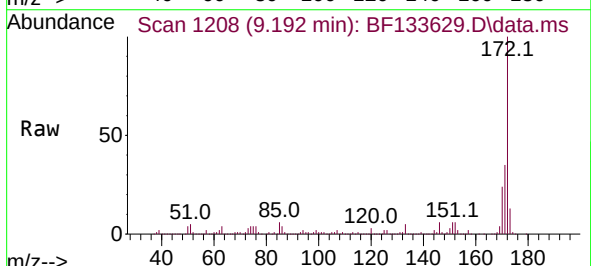
Tgt Ion:330 Resp: 165159
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.6
141 31.8 26.6 40.0

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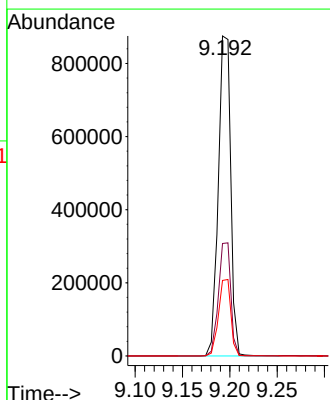
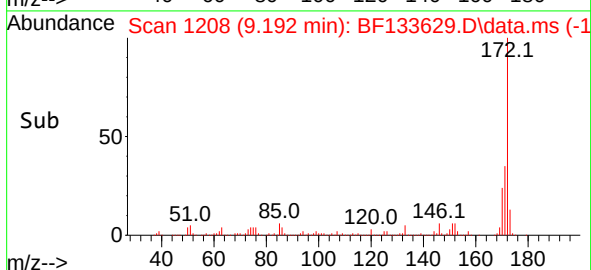
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

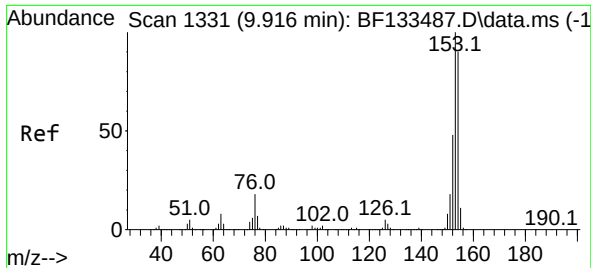


#45
2-Fluorobiphenyl
Concen: 58.127 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24



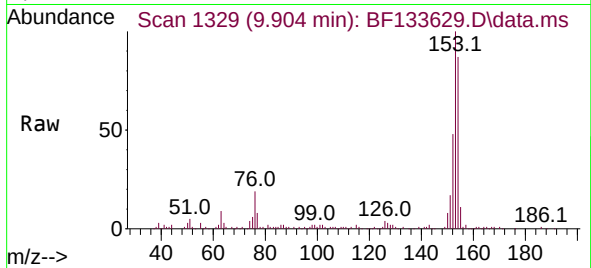
Tgt Ion:172 Resp: 801825
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.6 19.3 28.9





#52
Acenaphthene
Concen: 3.229 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

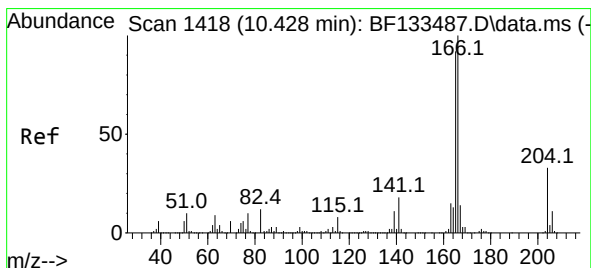
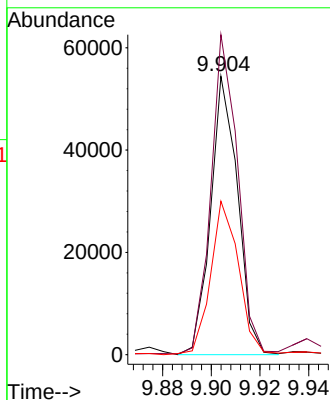
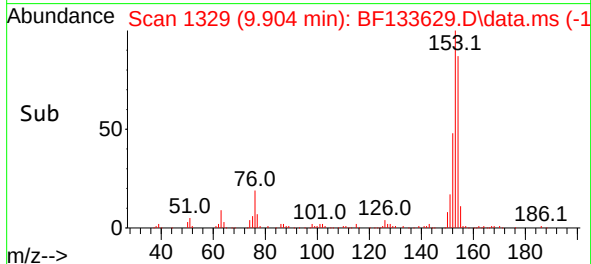
Instrument :
BNA_F
ClientSampleId :
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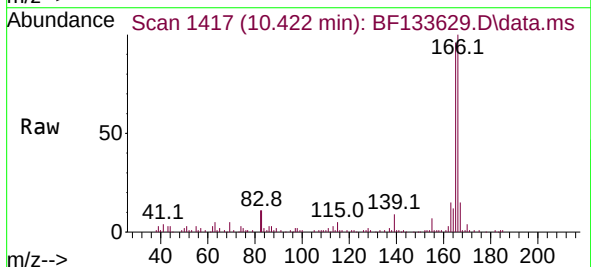
Tgt Ion:154 Resp: 4184
Ion Ratio Lower Upper
154 100
153 114.9 89.2 133.8
152 55.1 43.1 64.7

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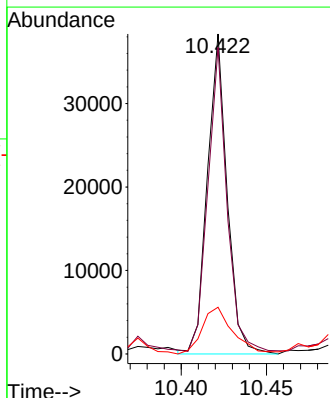
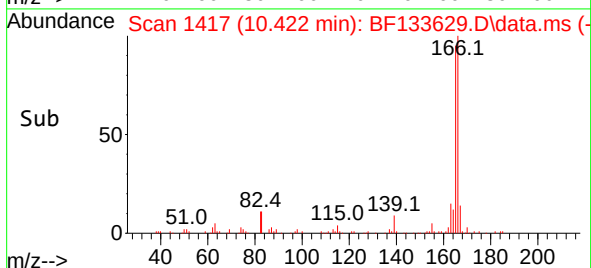
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

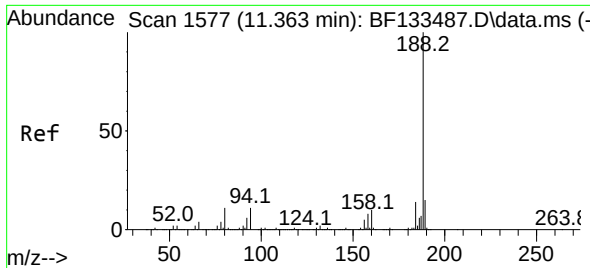


#58
Fluorene
Concen: 2.189 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24



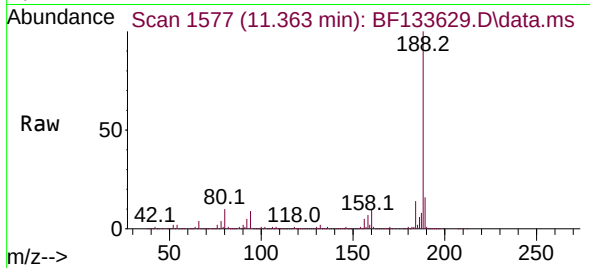
Tgt Ion:166 Resp: 30928
Ion Ratio Lower Upper
166 100
165 95.8 73.4 110.0
167 14.6 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

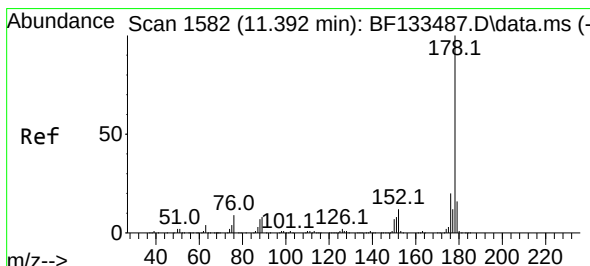
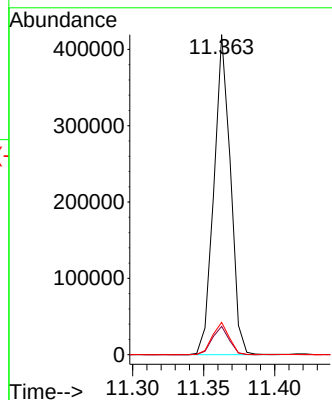
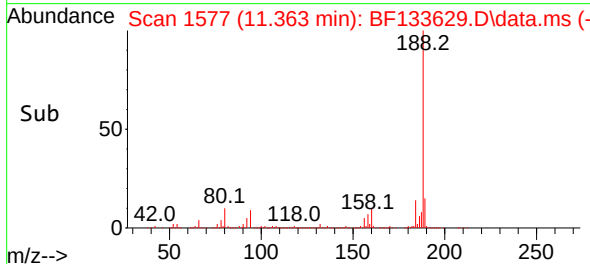
Instrument :
BNA_F
ClientSampleId :
278



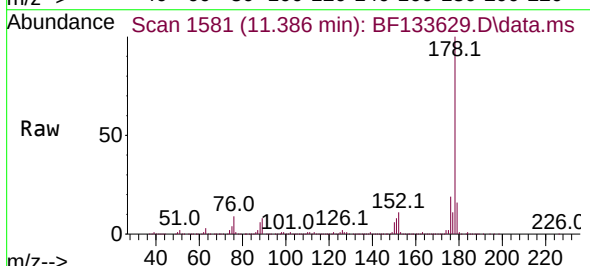
Tgt Ion:188 Resp: 33973
Ion Ratio Lower Upper
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94 8.9 8.6 12.8
80 10.1 9.2 13.8

Manual Integrations
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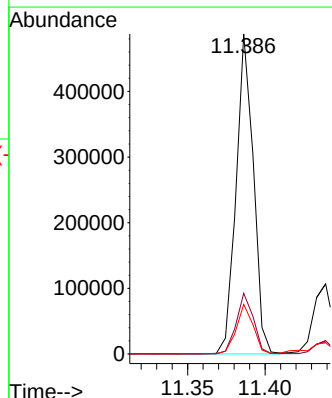
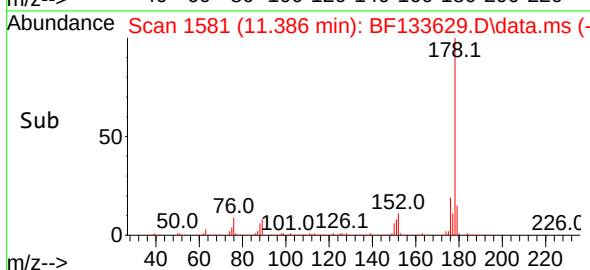
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

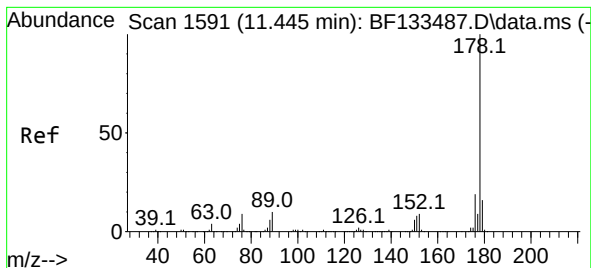


#71
Phenanthrene
Concen: 21.978 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24



Tgt Ion:178 Resp: 378185
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.5 12.4 18.6





#72

Anthracene

Concen: 5.003 ng

RT: 11.439 min Scan# 1591

Delta R.T. -0.006 min

Lab File: BF133629.D

Acq: 07 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

278

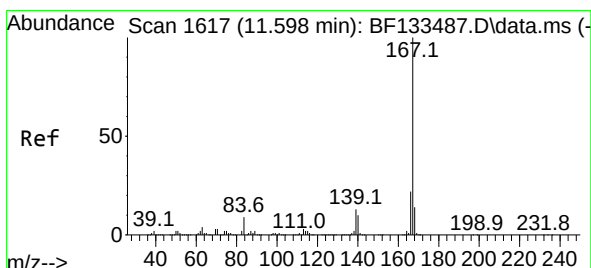
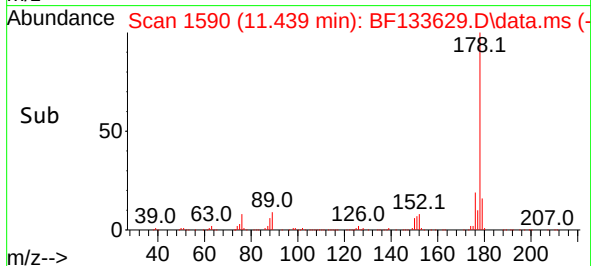
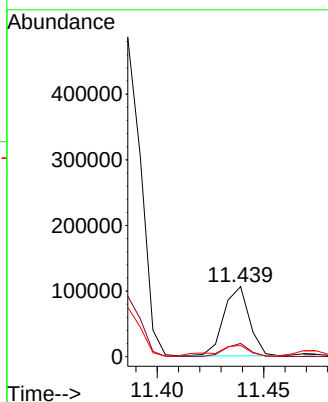
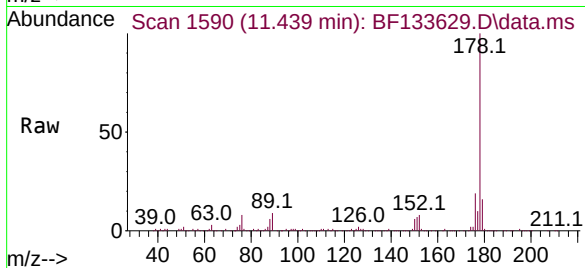
Tgt Ion:178 Resp: 88592
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 16.3 12.6 18.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#73

Carbazole

Concen: 2.242 ng

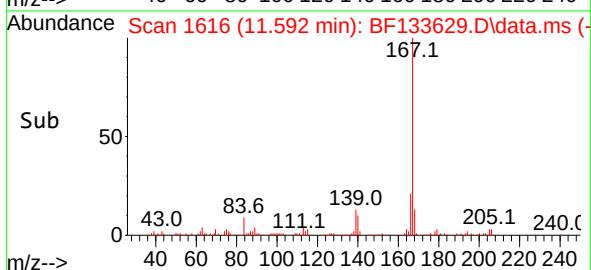
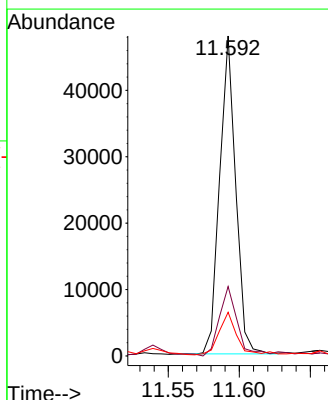
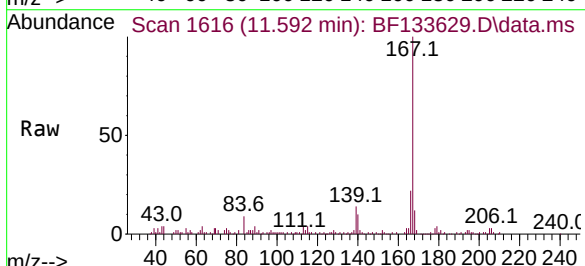
RT: 11.592 min Scan# 1616

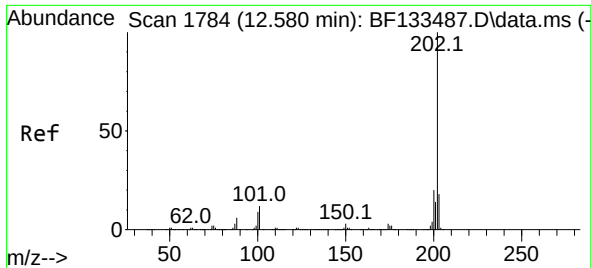
Delta R.T. -0.006 min

Lab File: BF133629.D

Acq: 07 Jun 2023 17:24

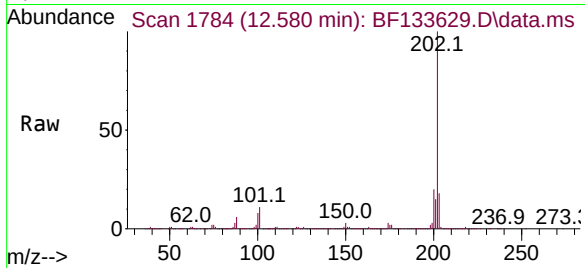
Tgt Ion:167 Resp: 37550
Ion Ratio Lower Upper
167 100
166 21.7 17.3 25.9
139 13.6 10.7 16.1





#75
Fluoranthene
Concen: 34.049 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

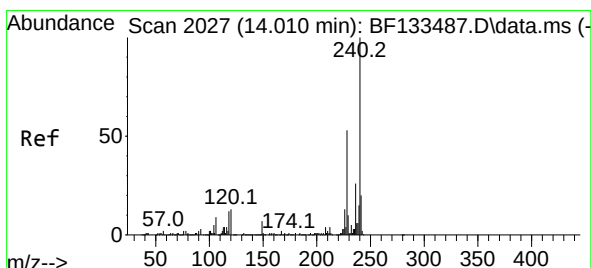
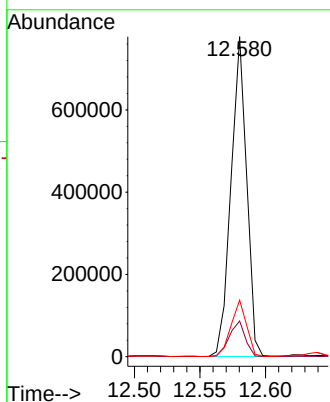
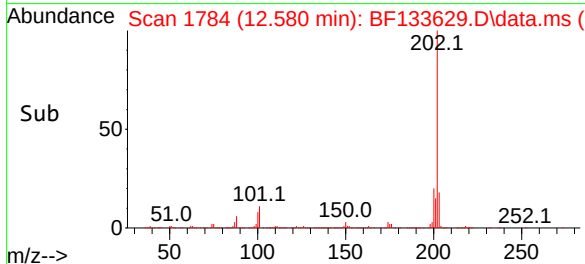
Instrument :
BNA_F
ClientSampleId :
278



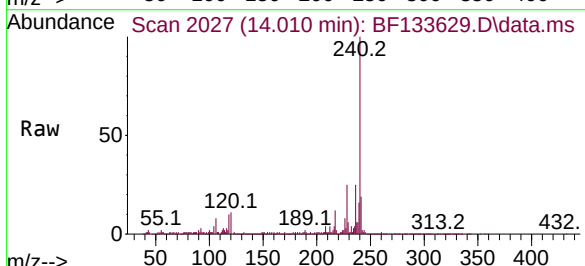
Tgt Ion:202 Resp: 647159
Ion Ratio Lower Upper
202 100
101 11.1 0.0 32.2
203 17.7 0.0 37.8

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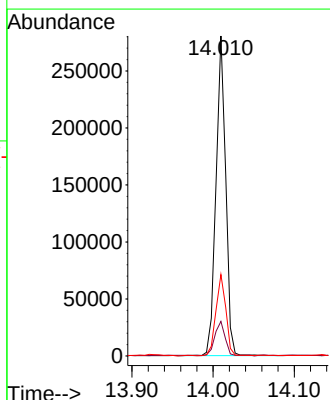
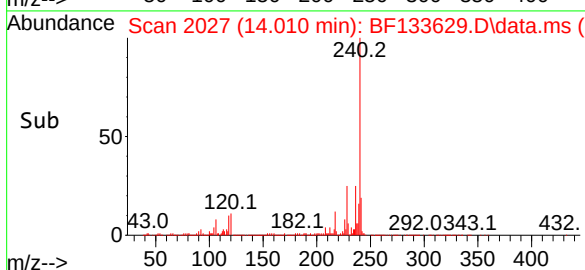
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

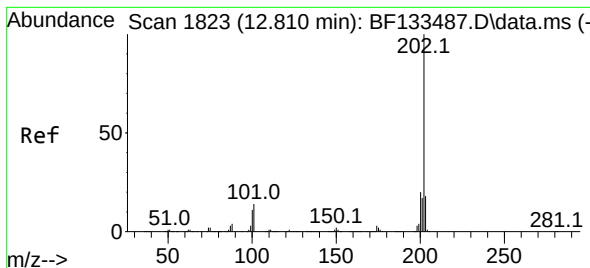


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24



Tgt Ion:240 Resp: 233160
Ion Ratio Lower Upper
240 100
120 10.8 10.3 15.5
236 25.4 20.5 30.7





#78

Pyrene

Concen: 29.562 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF133629.D

Acq: 07 Jun 2023 17:24

Instrument :

BNA_F

ClientSampleId :

278

Tgt Ion:202 Resp: 586534

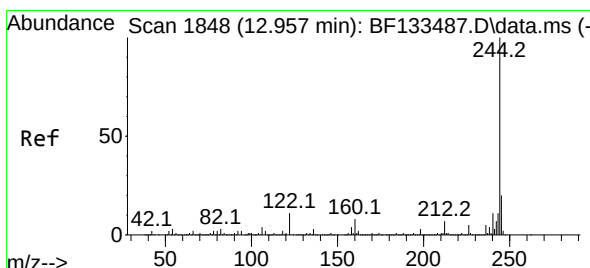
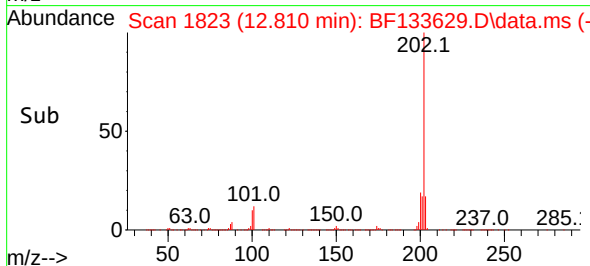
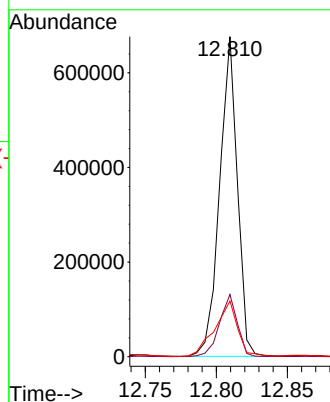
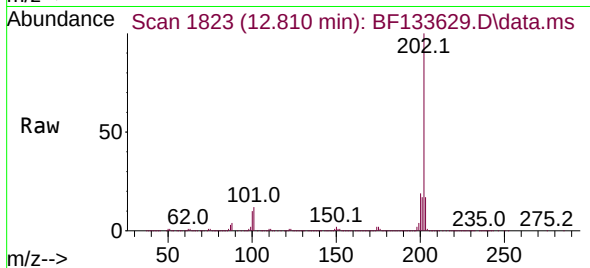
Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.3	24.5
203	17.4	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#79

Terphenyl-d14

Concen: 46.476 ng

RT: 12.951 min Scan# 1847

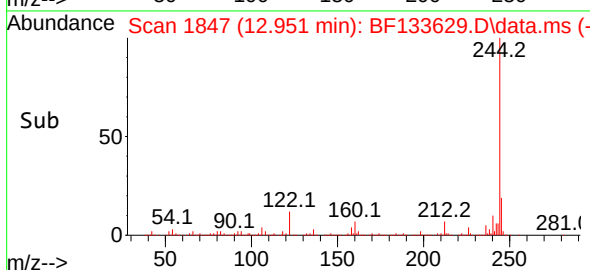
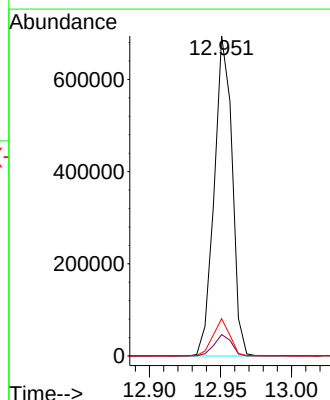
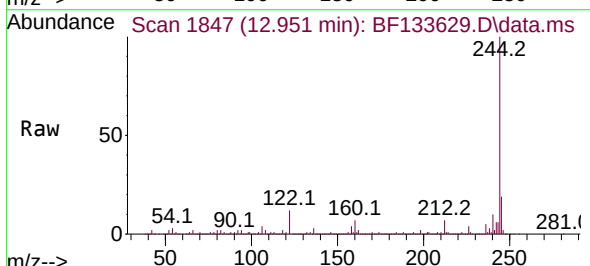
Delta R.T. -0.006 min

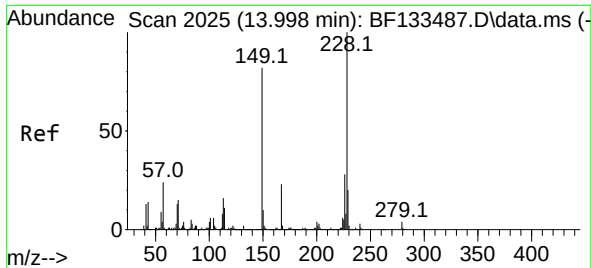
Lab File: BF133629.D

Acq: 07 Jun 2023 17:24

Tgt Ion:244 Resp: 609478

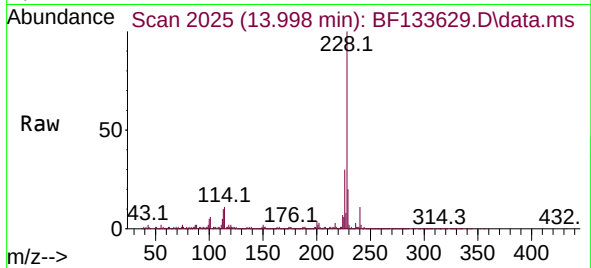
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	11.7	8.5	12.7





#81
Benzo(a)anthracene
Concen: 20.340 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

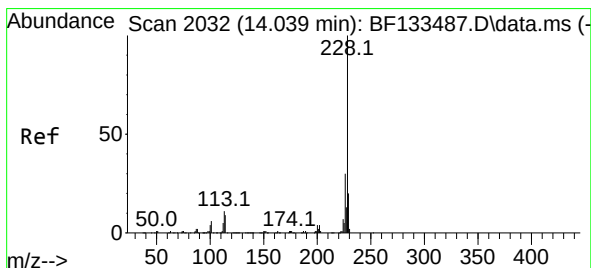
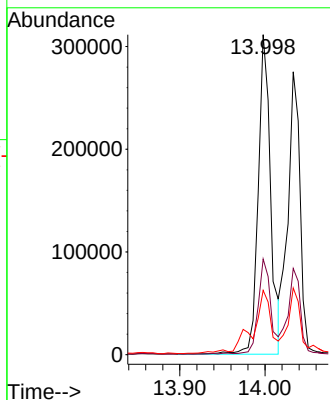
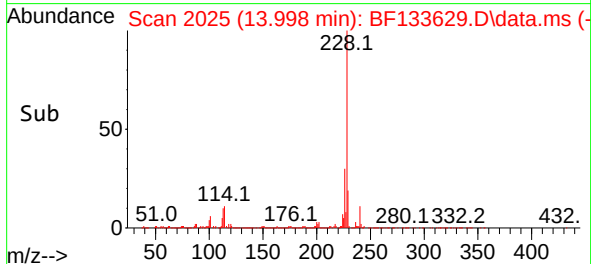
Instrument :
BNA_F
ClientSampleId :
278



Tgt Ion:228 Resp: 315924
Ion Ratio Lower Upper
228 100
226 29.9 22.3 33.5
229 20.1 16.1 24.1

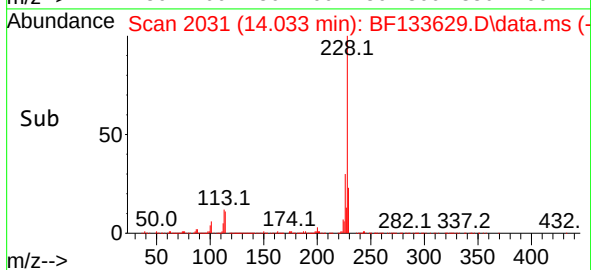
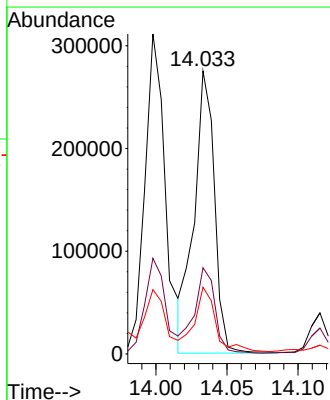
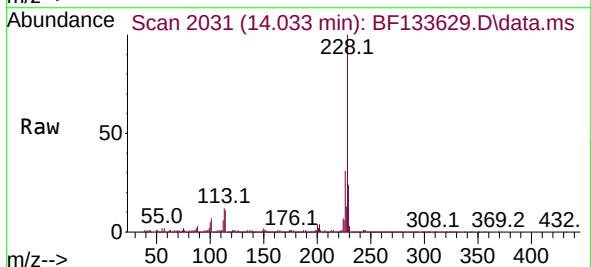
Manual Integrations
APPROVED

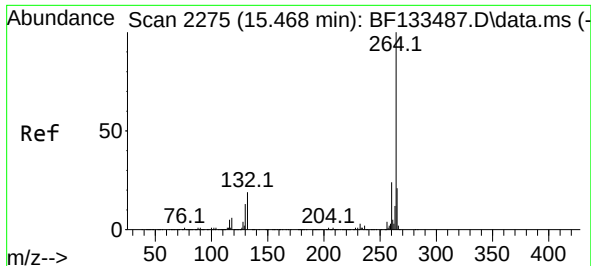
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#83
Chrysene
Concen: 17.503 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

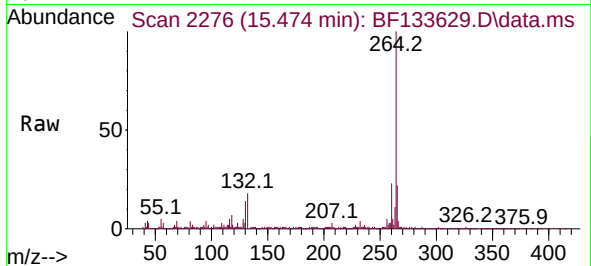
Tgt Ion:228 Resp: 274444
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 23.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

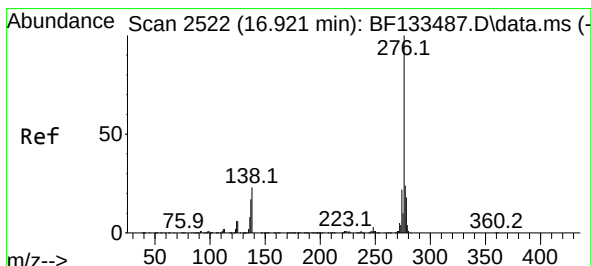
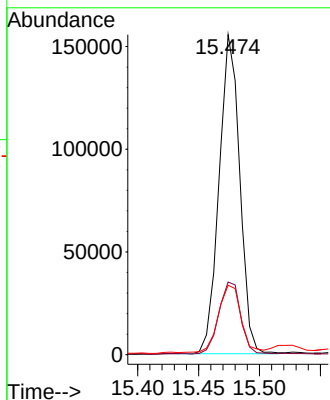
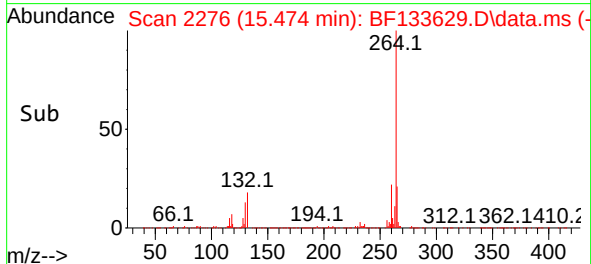
Instrument :
BNA_F
ClientSampleId :
278



Tgt Ion:264 Resp: 183190
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.4
265 21.7 16.8 25.2

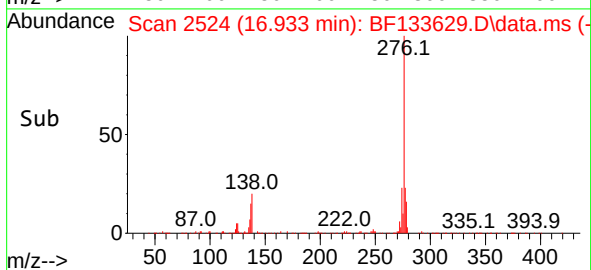
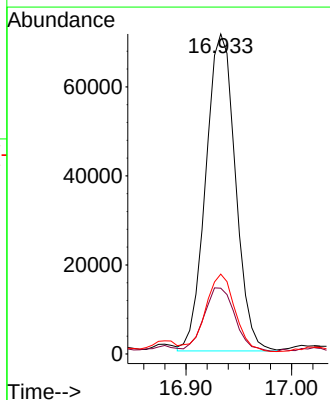
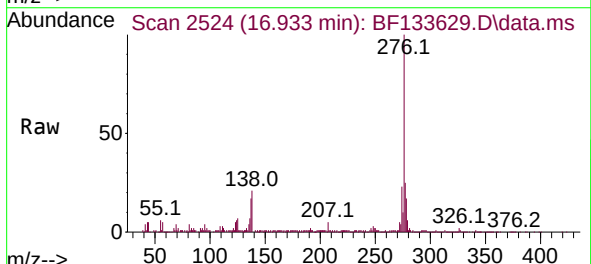
Manual Integrations
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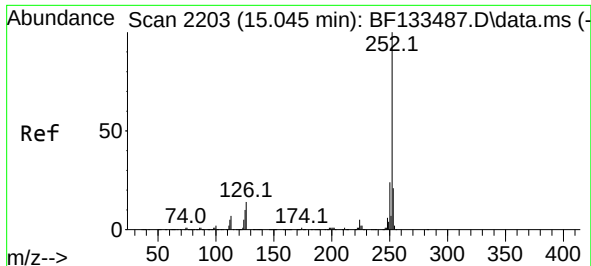
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.878 ng m
RT: 16.933 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

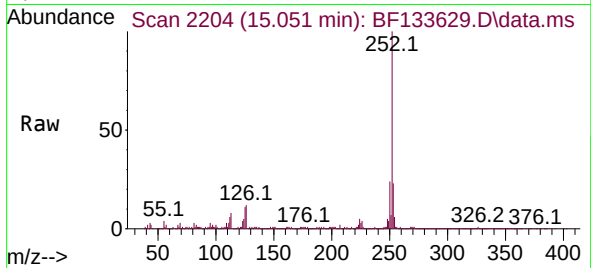
Tgt Ion:276 Resp: 138601
Ion Ratio Lower Upper
276 100
138 4.3 21.4 32.2#
277 4.9 20.0 30.0#





#88
Benzo(b)fluoranthene
Concen: 28.227 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

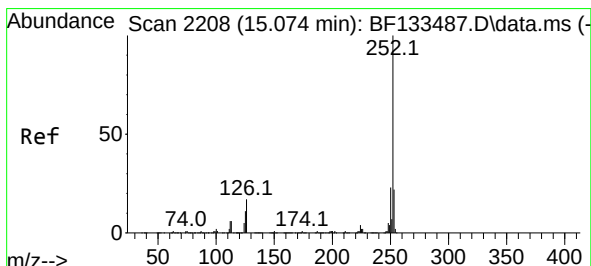
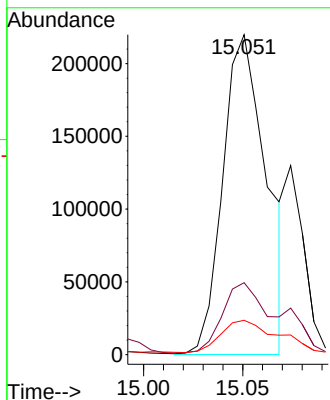
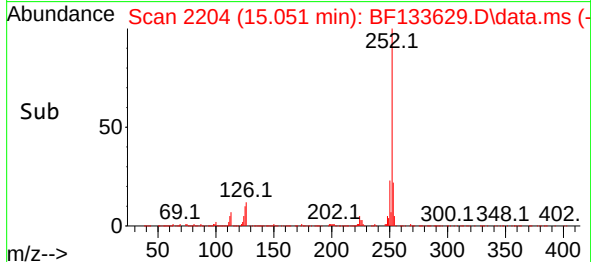
Instrument :
BNA_F
ClientSampleId :
278



Tgt Ion:252 Resp: 336718
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 10.8 8.1 12.1

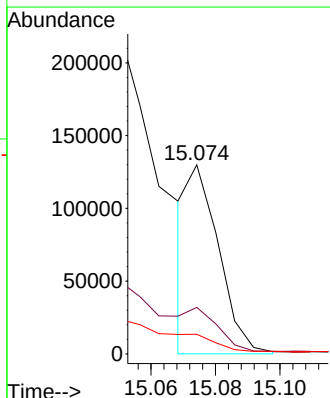
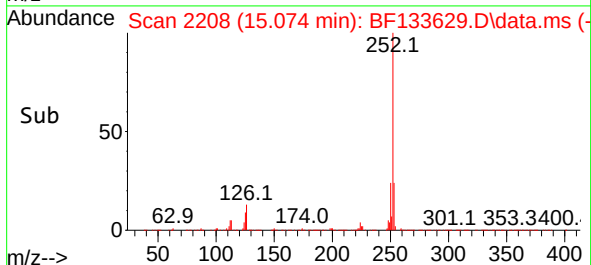
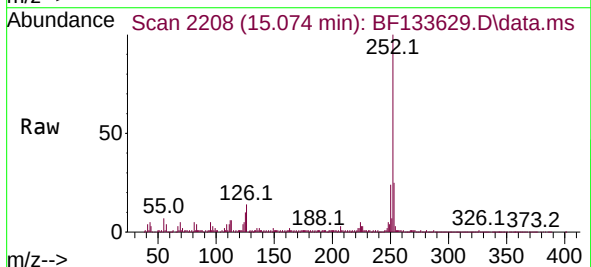
Manual Integrations
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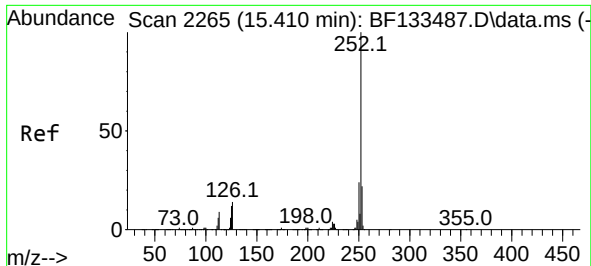
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#89
Benzo(k)fluoranthene
Concen: 7.320 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

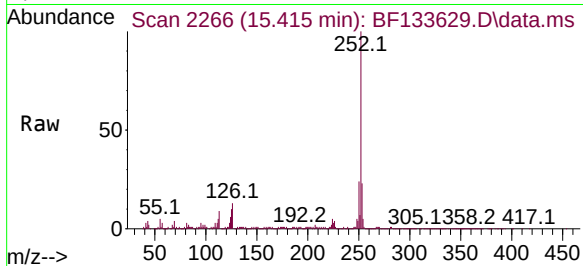
Tgt Ion:252 Resp: 85138
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 10.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 19.487 ng
RT: 15.415 min Scan# 21151
Delta R.T. -0.000 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

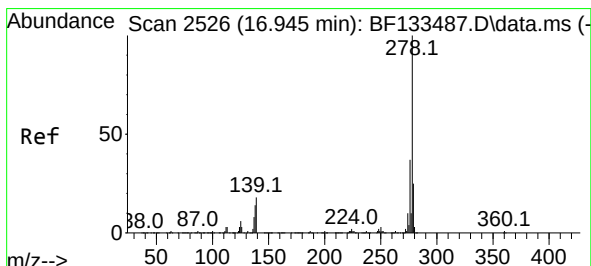
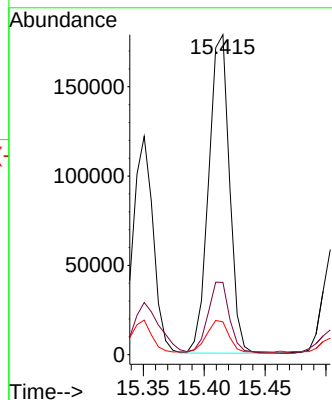
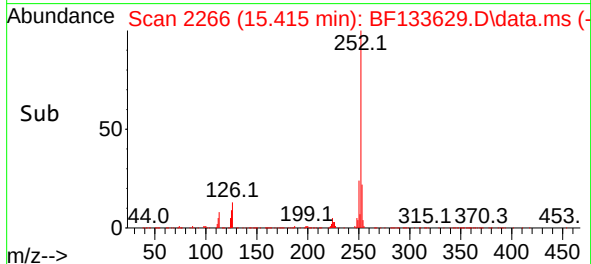
Instrument :
BNA_F
ClientSampleId :
278



Tgt Ion:252 Resp: 21151
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.3 9.4 14.0

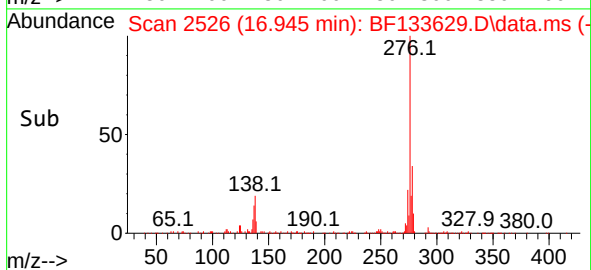
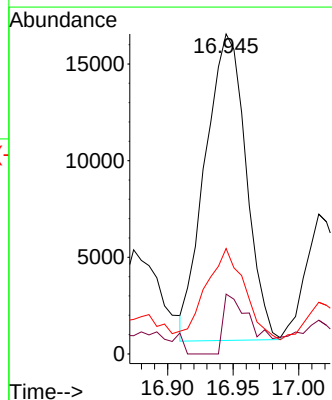
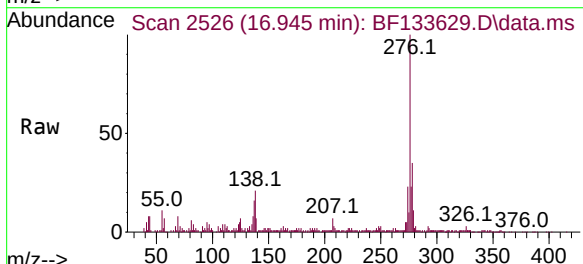
Manual Integrations
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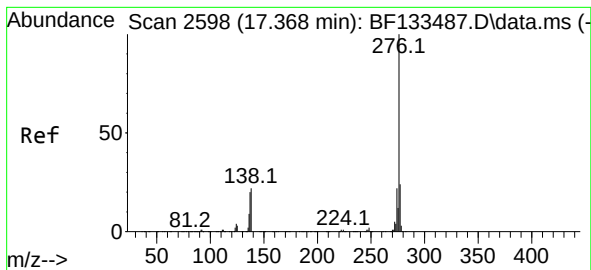
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.637 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.024 min
Lab File: BF133629.D
Acq: 07 Jun 2023 17:24

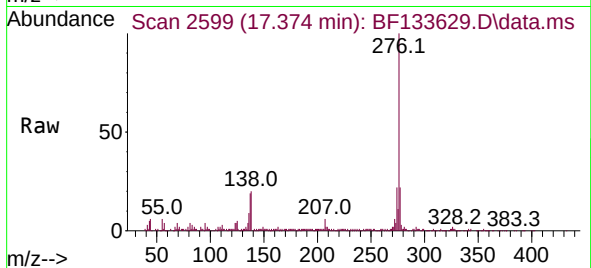
Tgt Ion:278 Resp: 34408
Ion Ratio Lower Upper
278 100
139 18.7 14.1 21.1
279 32.9 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 13.521 ng
 RT: 17.374 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF133629.D
 Acq: 07 Jun 2023 17:24

Instrument :
 BNA_F
 ClientSampleId :
 278



Tgt Ion:276 Resp: 12898
 Ion Ratio Lower Upper
 276 100
 277 21.6 18.8 28.2
 138 20.2 17.8 26.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

