

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135244.D
 Acq On : 14 Sep 2023 02:46
 Operator : CG\JU
 Sample : 04392-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 14 03:05:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	34221	20.000	ng	0.02
21) Naphthalene-d8	8.075	136	69754m	20.000	ng	0.03
39) Acenaphthene-d10	9.922	164	55590m	20.000	ng	0.12
64) Phenanthrene-d10	11.404	188	90856m	20.000	ng	0.11
76) Chrysene-d12	13.974	240	181219	20.000	ng	0.03
86) Perylene-d12	15.421	264	194539	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	331787	157.691	ng	0.00
7) Phenol-d6	6.410	99	425167	158.917	ng	0.00
23) Nitrobenzene-d5	7.369	82	227186m	176.949	ng	0.04
42) 2,4,6-Tribromophenol	10.722	330	44547	80.638	ng	0.12
45) 2-Fluorobiphenyl	9.216	172	167132	45.360	ng	0.09
79) Terphenyl-d14	12.951	244	311363	26.635	ng	0.06
Target Compounds						Qvalue
31) Naphthalene	8.169	128	2189832m	646.132	ng	
37) 2-Methylnaphthalene	8.892	142	5182270	2274.753	ng	100
38) 1-Methylnaphthalene	8.981	142	2604147m	1220.938	ng	
46) 1,1'-Biphenyl	9.334	154	711140	166.465	ng	93
52) Acenaphthene	9.963	154	250186m	82.214	ng	
58) Fluorene	10.481	166	691510m	193.704	ng	
71) Phenanthrene	11.439	178	1516265m	352.858	ng	
81) Benzo(a)anthracene	13.963	228	30363m	2.595	ng	
83) Chrysene	13.986	228	54105m	4.650	ng	

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

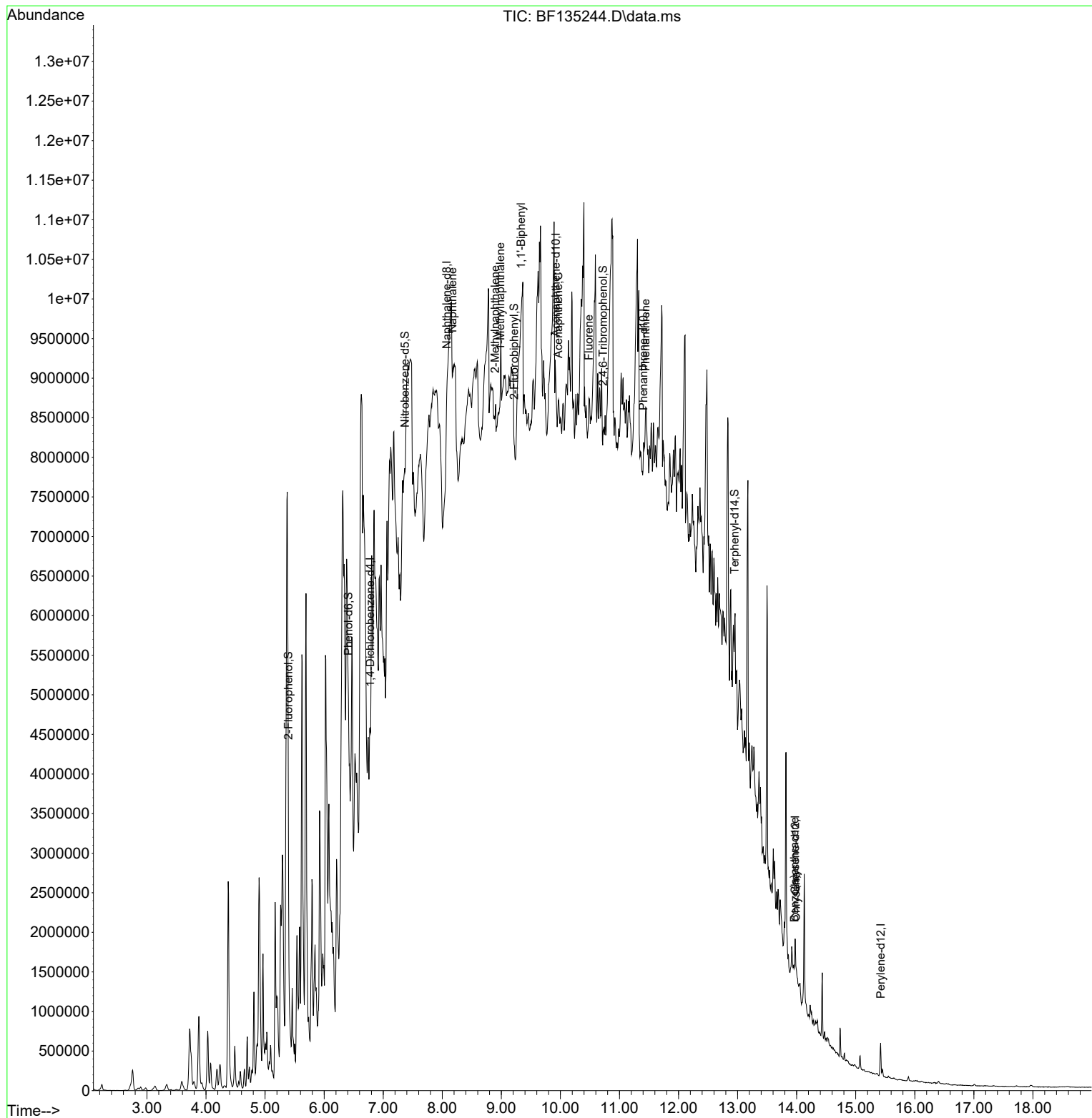
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
Data File : BF135244.D
Acq On : 14 Sep 2023 02:46
Operator : CG\JU
Sample : 04392-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

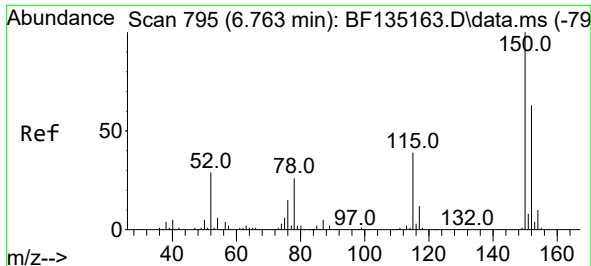
Instrument :
BNA_F
ClientSampleId :
WASTE

Quant Time: Sep 14 03:05:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

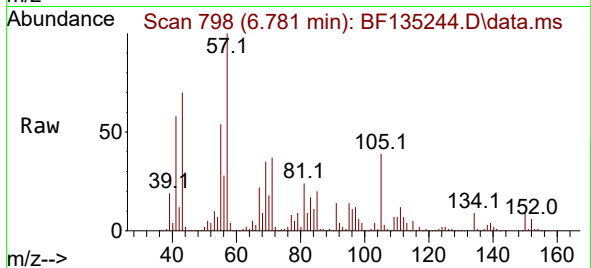
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 795
Delta R.T. 0.018 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

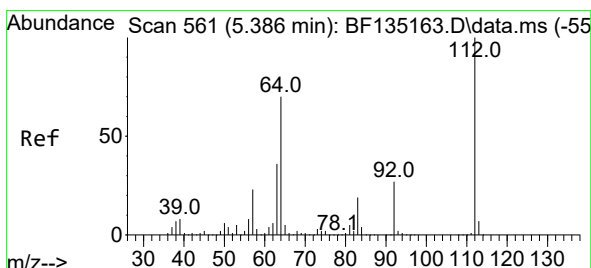
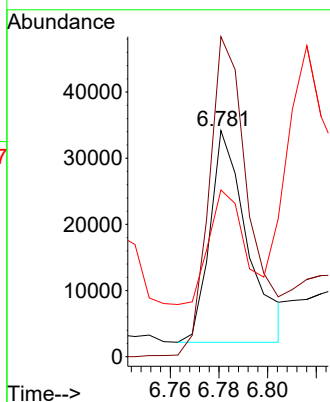
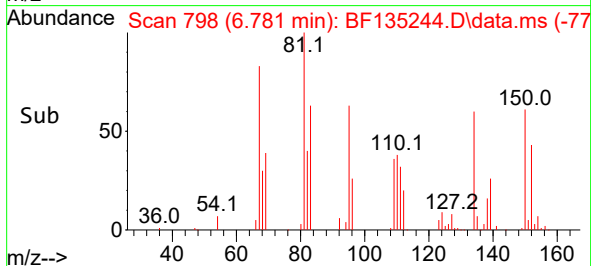
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:152 Resp: 3422
Ion Ratio Lower Upper
152 100
150 141.5 127.8 191.6
115 73.7 49.8 74.8

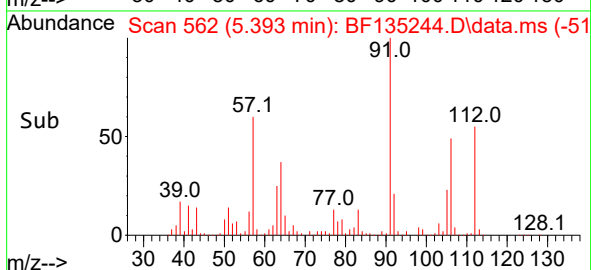
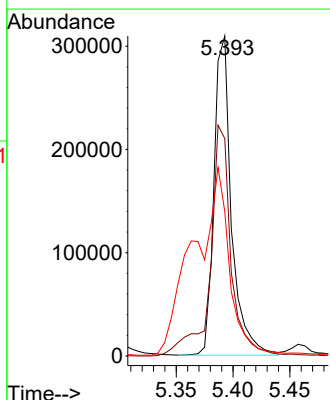
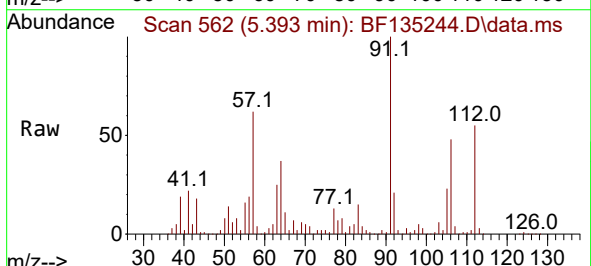
Manual Integrations
APPROVED

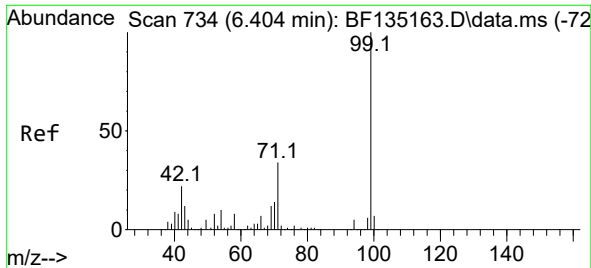
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#5
2-Fluorophenol
Concen: 157.691 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

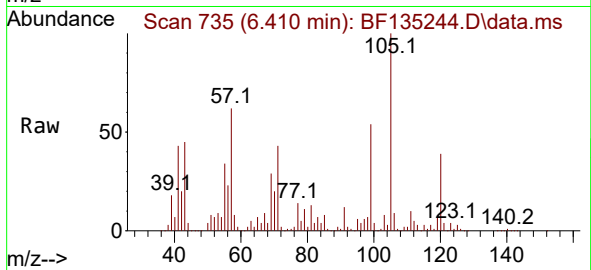
Tgt Ion:112 Resp: 331787
Ion Ratio Lower Upper
112 100
64 68.0 55.9 83.9
63 45.1 29.0 43.6#





#7
Phenol-d6
Concen: 158.917 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

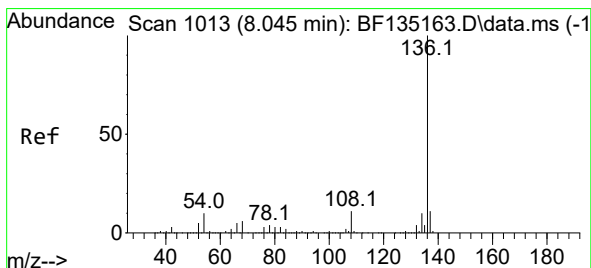
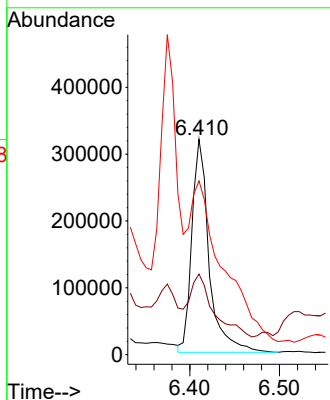
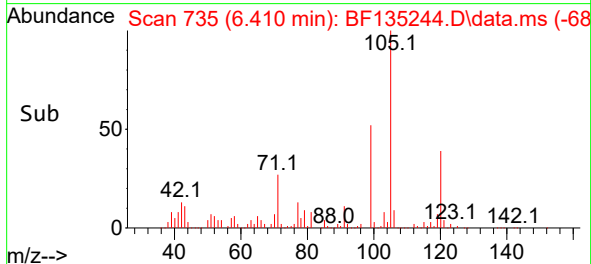
Instrument :
BNA_F
ClientSampleId :
WASTE



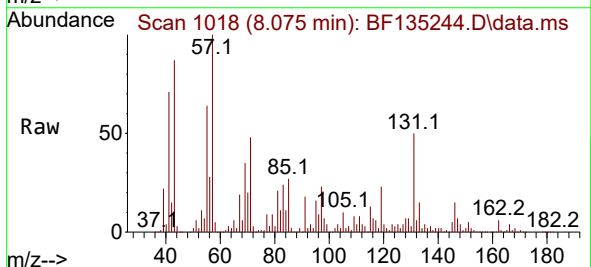
Tgt Ion: 99 Resp: 42516
Ion Ratio Lower Upper
99 100
42 37.5 17.9 26.9
71 80.7 27.0 40.6

Manual Integrations
APPROVED

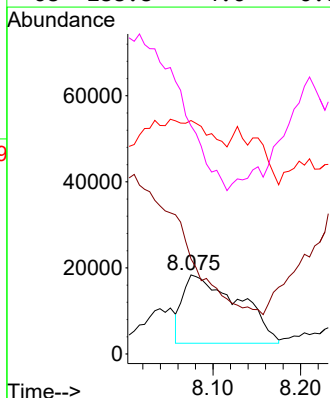
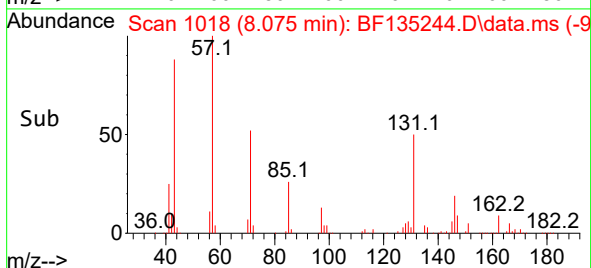
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

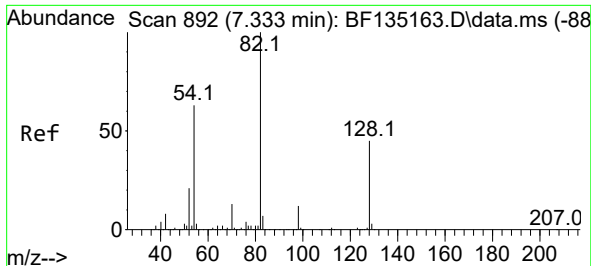


#21
Naphthalene-d8
Concen: 20.000 ng m
RT: 8.075 min Scan# 1018
Delta R.T. 0.030 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46



Tgt Ion:136 Resp: 69754
Ion Ratio Lower Upper
136 100
137 120.3 8.8 13.2#
54 295.6 7.7 11.5#
68 288.8 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 176.949 ng m

RT: 7.369 min Scan# 892

Delta R.T. 0.036 min

Lab File: BF135244.D

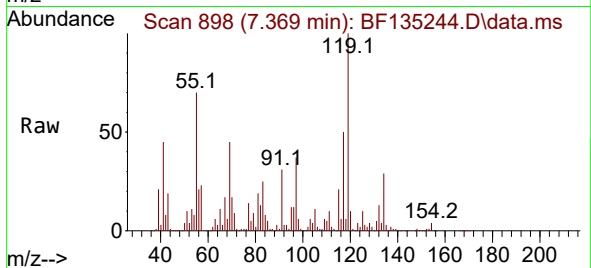
Acq: 14 Sep 2023 02:46

Instrument :

BNA_F

ClientSampleId :

WASTE



Tgt Ion: 82 Resp: 227180

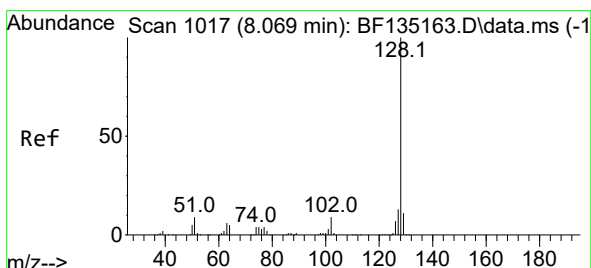
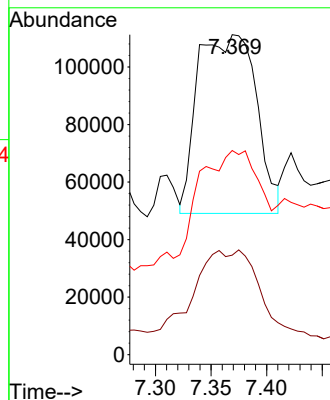
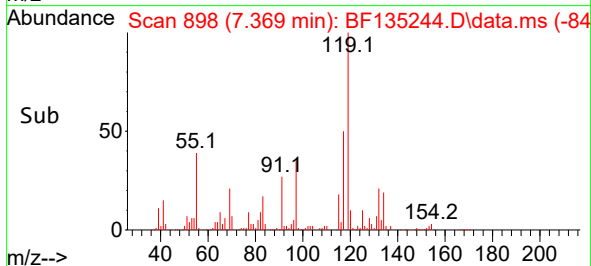
Ion	Ratio	Lower	Upper
82	100		
128	31.1	35.8	53.6
54	63.8	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#31

Naphthalene

Concen: 646.132 ng m

RT: 8.169 min Scan# 1034

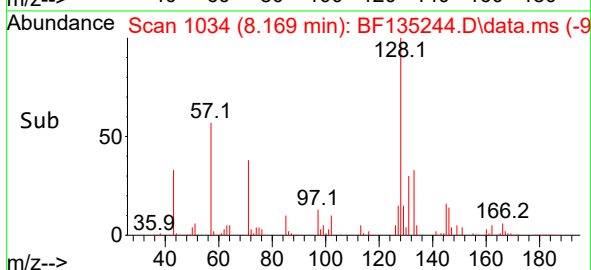
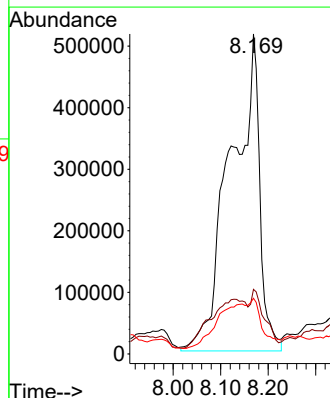
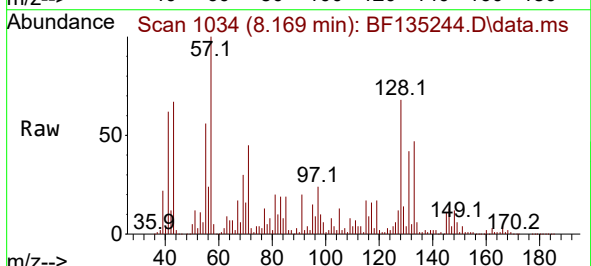
Delta R.T. 0.100 min

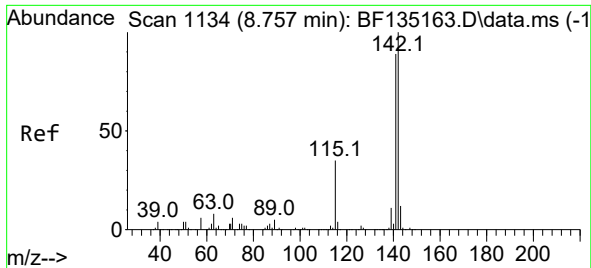
Lab File: BF135244.D

Acq: 14 Sep 2023 02:46

Tgt Ion:128 Resp: 2189832

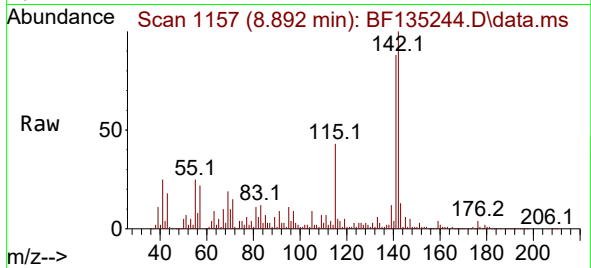
Ion	Ratio	Lower	Upper
128	100		
129	20.2	8.7	13.1#
127	17.4	10.7	16.1#





#37
2-Methylnaphthalene
Concen: 2274.753 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.136 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

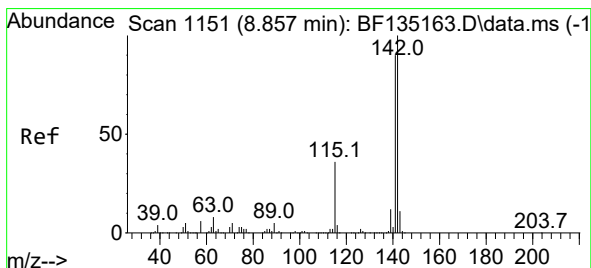
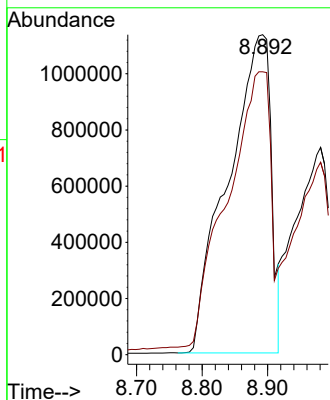
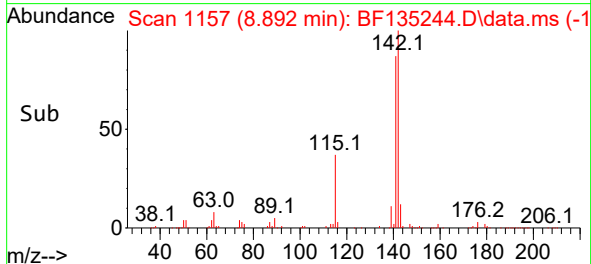
Instrument :
BNA_F
ClientSampleId :
WASTE



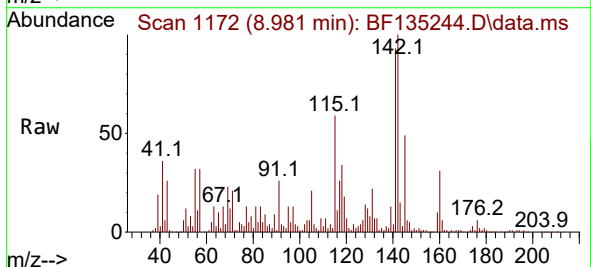
Tgt Ion:142 Resp: 5182270
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.6

Manual Integrations
APPROVED

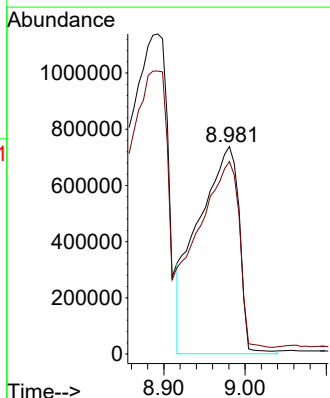
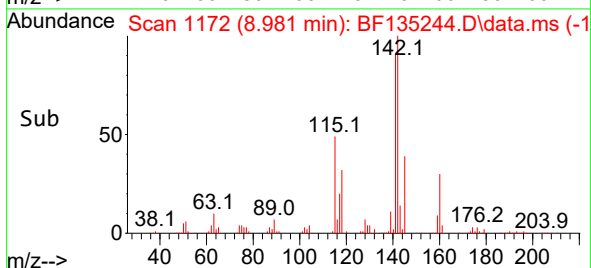
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

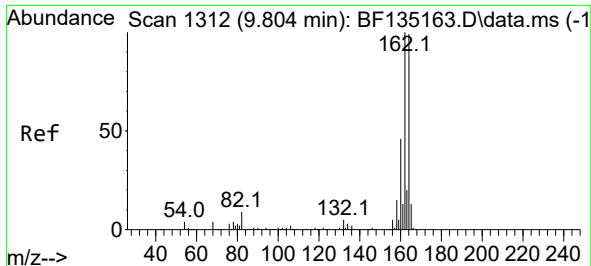


#38
1-Methylnaphthalene
Concen: 1220.938 ng m
RT: 8.981 min Scan# 1172
Delta R.T. 0.124 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46



Tgt Ion:142 Resp: 2604147
Ion Ratio Lower Upper
142 100
141 92.9 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng m

RT: 9.922 min Scan# 11

Delta R.T. 0.118 min

Lab File: BF135244.D

Acq: 14 Sep 2023 02:46

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:164 Resp: 55590

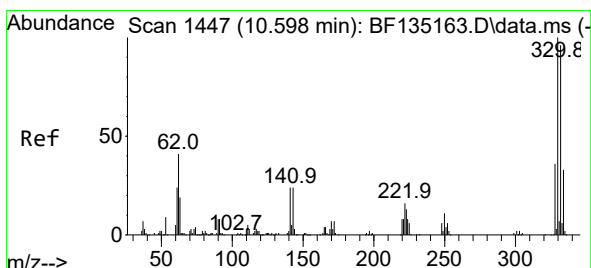
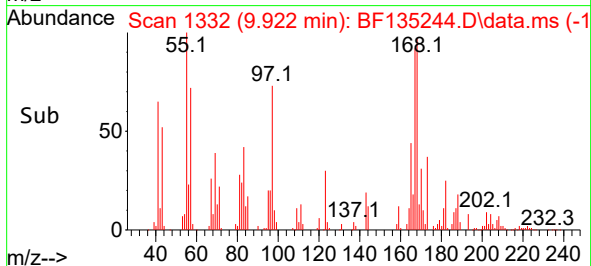
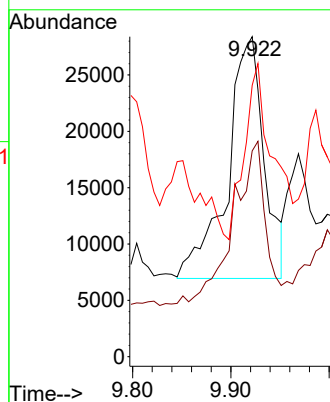
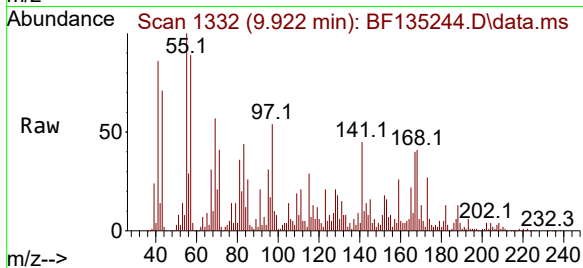
Ion	Ratio	Lower	Upper
164	100		
162	64.3	81.0	121.4
160	84.8	37.0	55.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#42

2,4,6-Tribromophenol

Concen: 80.638 ng

RT: 10.722 min Scan# 1468

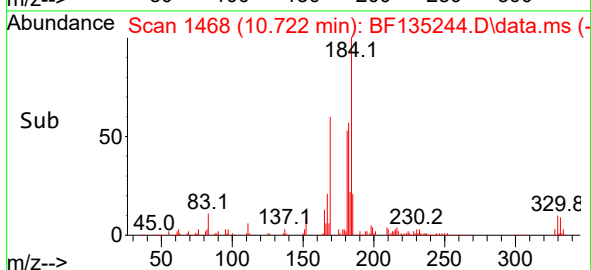
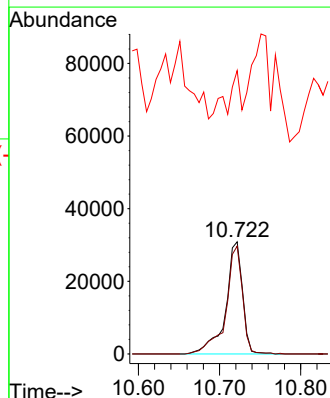
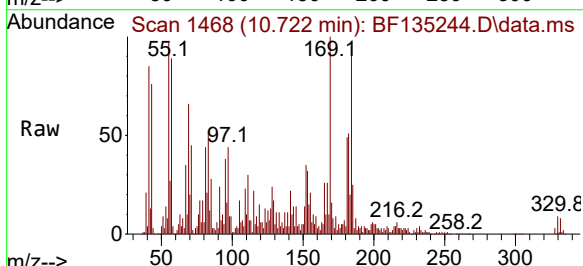
Delta R.T. 0.124 min

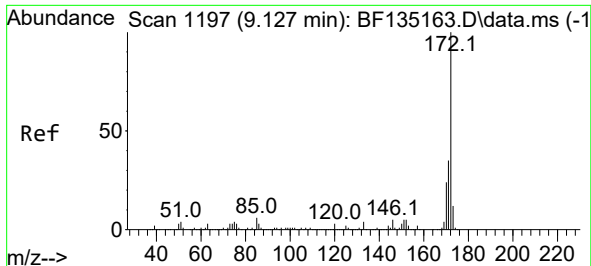
Lab File: BF135244.D

Acq: 14 Sep 2023 02:46

Tgt Ion:330 Resp: 44547

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.3	115.9
141	25.9	25.8	38.8





#45
2-Fluorobiphenyl
Concen: 45.360 ng
RT: 9.216 min Scan# 1197
Delta R.T. 0.088 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

Instrument :

BNA_F

ClientSampleId :

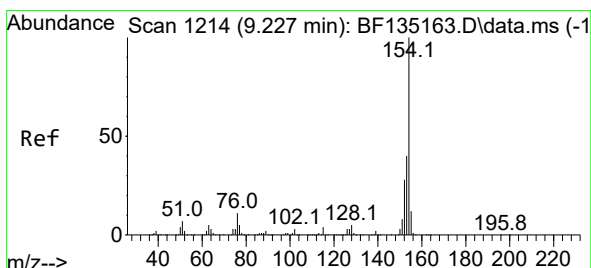
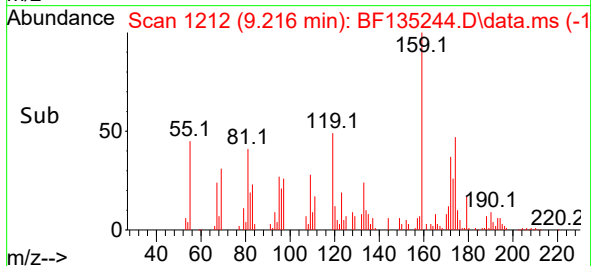
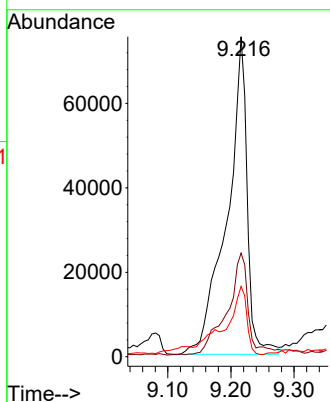
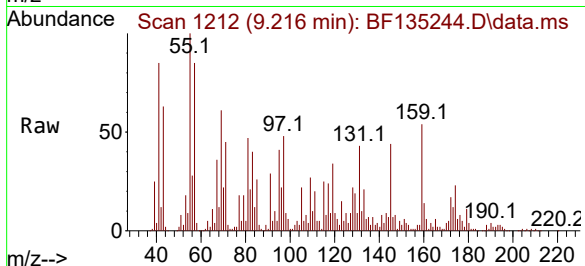
WASTE

Tgt Ion:172 Resp: 16713
Ion Ratio Lower Upper
172 100
171 32.3 28.4 42.6
170 22.0 19.0 28.4

Manual Integrations

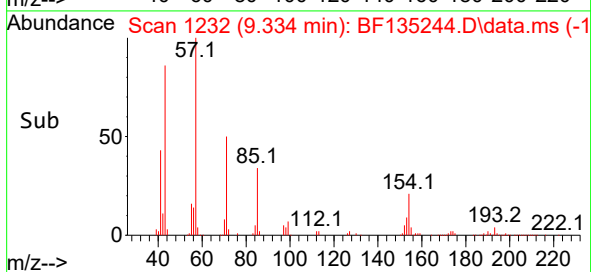
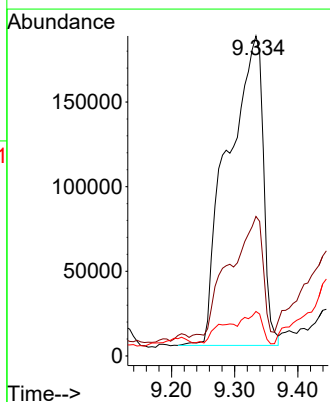
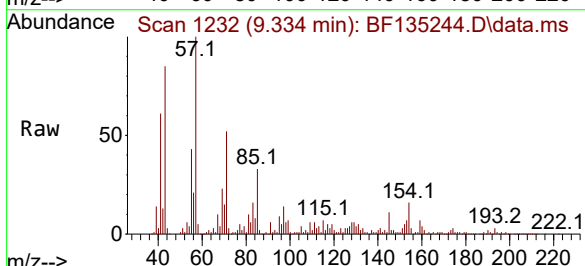
APPROVED

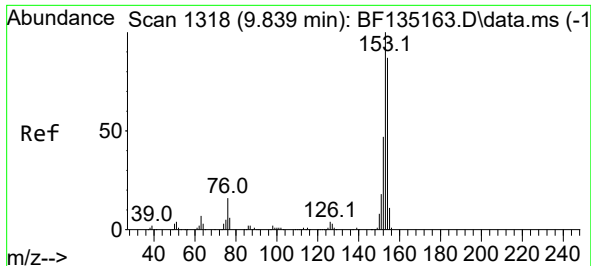
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#46
1,1'-Biphenyl
Concen: 166.465 ng
RT: 9.334 min Scan# 1232
Delta R.T. 0.106 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

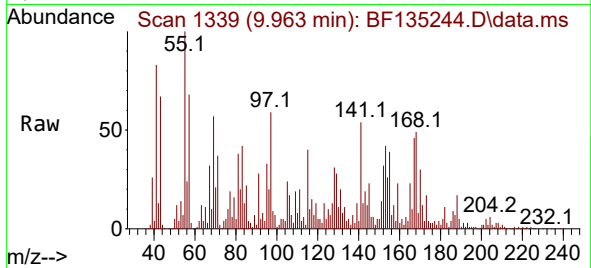
Tgt Ion:154 Resp: 711140
Ion Ratio Lower Upper
154 100
153 43.6 19.6 59.6
76 13.9 0.0 31.0





#52
Acenaphthene
Concen: 82.214 ng m
RT: 9.963 min Scan# 11
Delta R.T. 0.124 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

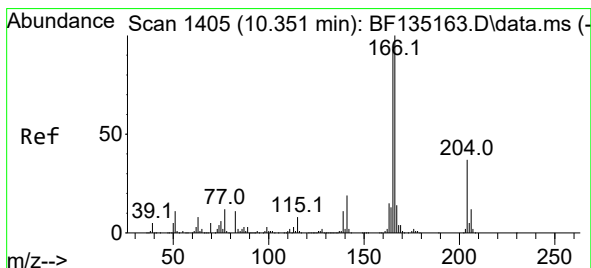
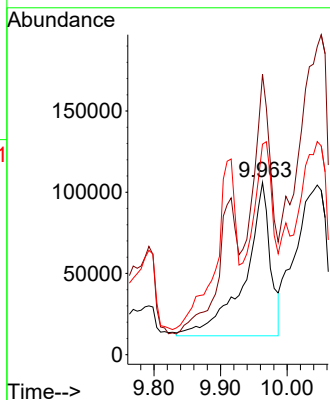
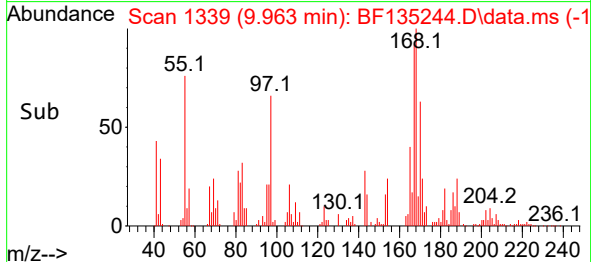
Instrument :
BNA_F
ClientSampleId :
WASTE



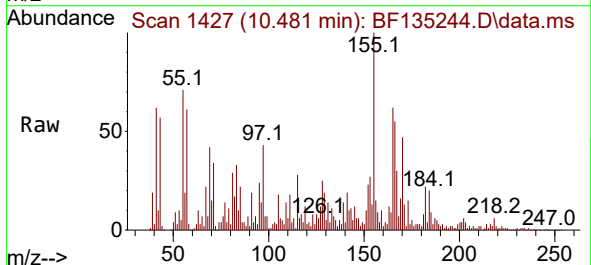
Tgt Ion:154 Resp: 250180
Ion Ratio Lower Upper
154 100
153 162.7 92.1 138.1#
152 122.2 43.1 64.7#

Manual Integrations
APPROVED

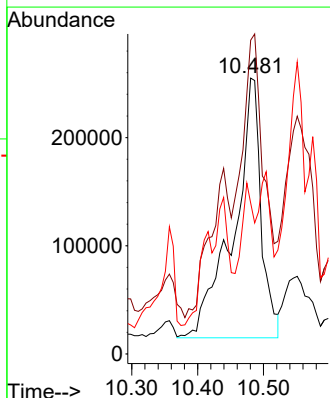
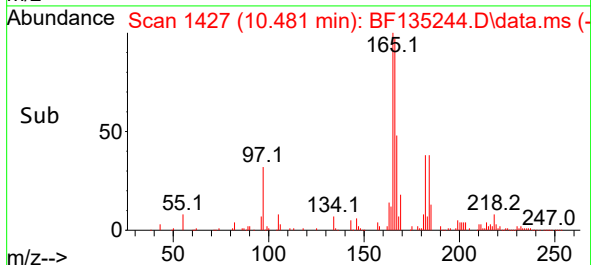
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

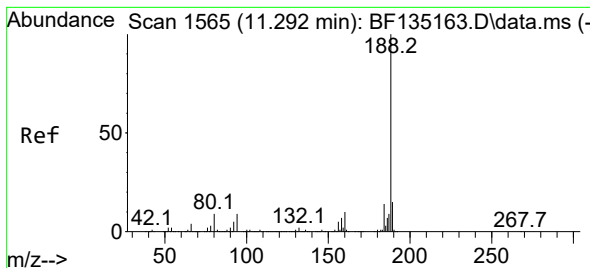


#58
Fluorene
Concen: 193.704 ng m
RT: 10.481 min Scan# 1427
Delta R.T. 0.130 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46



Tgt Ion:166 Resp: 691510
Ion Ratio Lower Upper
166 100
165 113.8 74.3 111.5#
167 54.7 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng m

RT: 11.404 min Scan# 1584

Delta R.T. 0.112 min

Lab File: BF135244.D

Acq: 14 Sep 2023 02:46

Instrument :

BNA_F

ClientSampleId :

WASTE

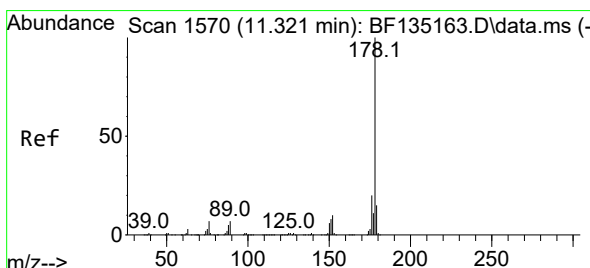
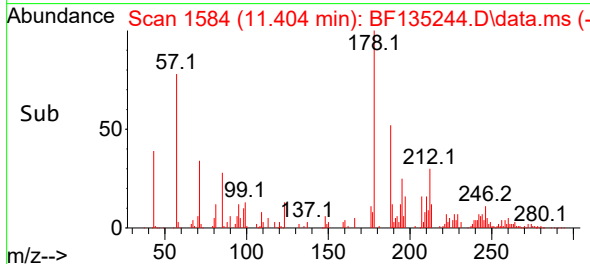
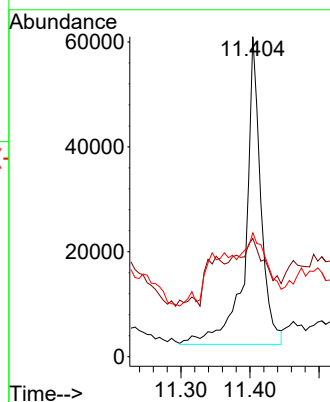
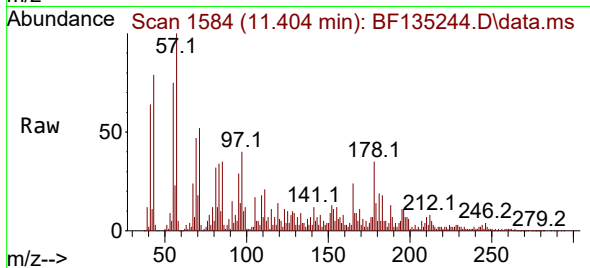
Tgt Ion:188 Resp: 90850
 Ion Ratio Lower Upper
 188 100
 94 37.0 7.0 10.6
 80 38.7 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#71

Phenanthrene

Concen: 352.858 ng m

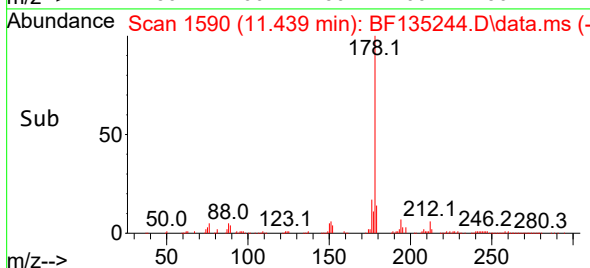
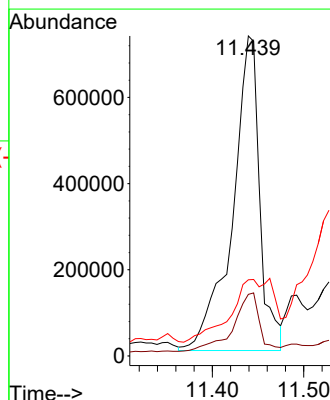
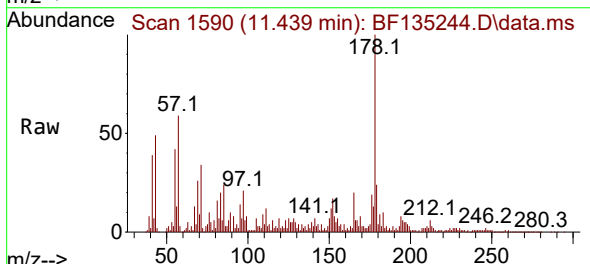
RT: 11.439 min Scan# 1590

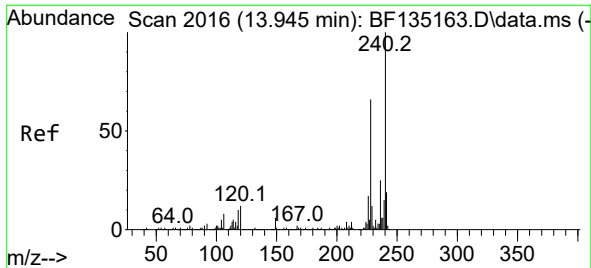
Delta R.T. 0.118 min

Lab File: BF135244.D

Acq: 14 Sep 2023 02:46

Tgt Ion:178 Resp: 1516265
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 23.8 12.0 18.0





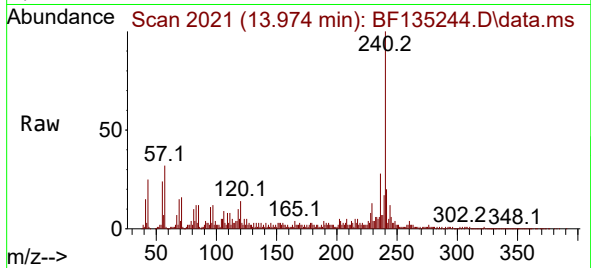
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2016
Delta R.T. 0.030 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

Instrument :

BNA_F

ClientSampleId :

WASTE

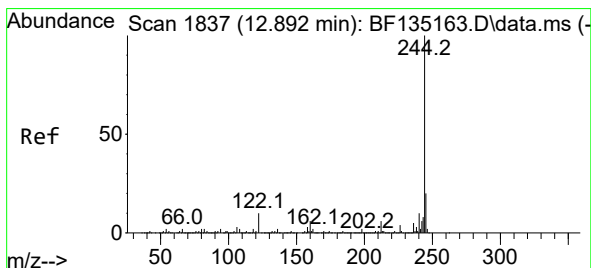
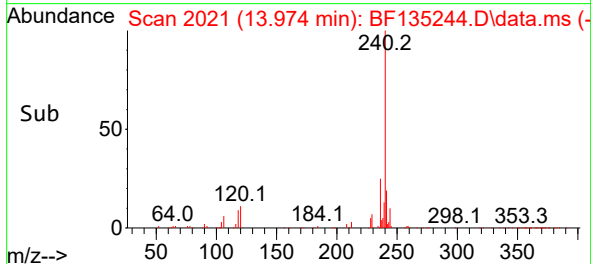
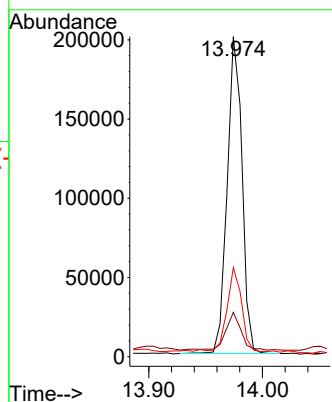


Tgt Ion:240 Resp: 181219
Ion Ratio Lower Upper
240 100
120 13.9 9.4 14.2
236 27.8 19.8 29.8

Manual Integrations

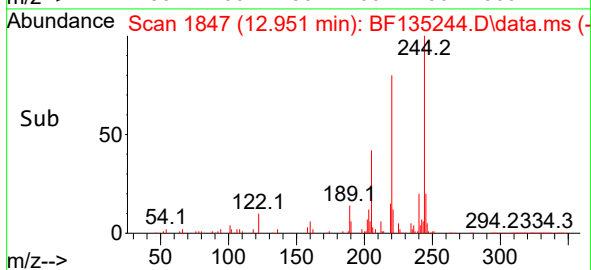
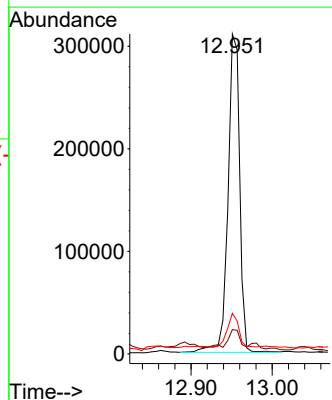
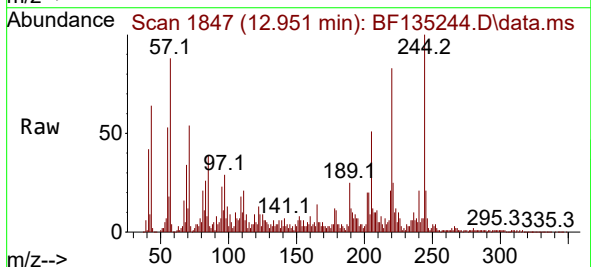
APPROVED

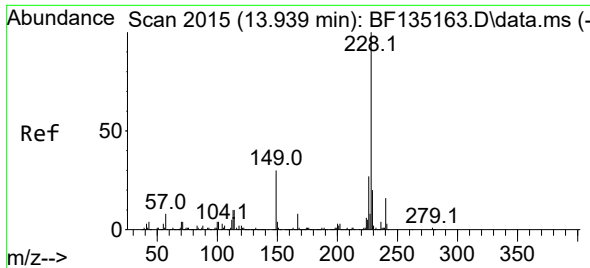
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#79
Terphenyl-d14
Concen: 26.635 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.059 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

Tgt Ion:244 Resp: 311363
Ion Ratio Lower Upper
244 100
212 7.6 5.1 7.7
122 12.7 7.9 11.9





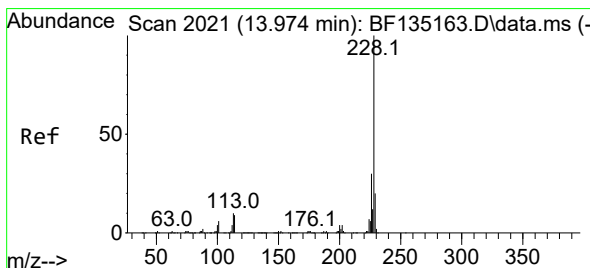
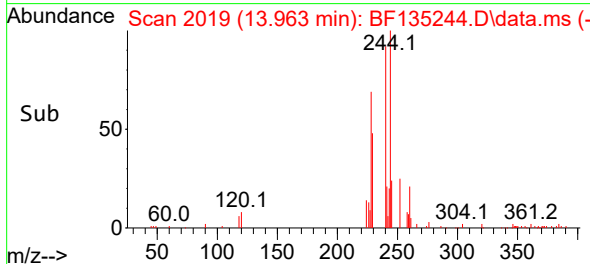
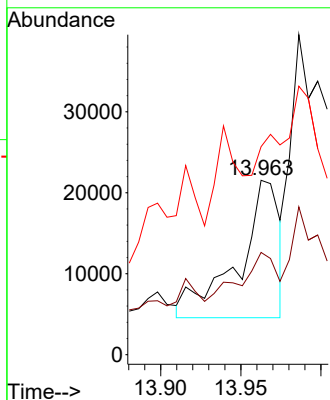
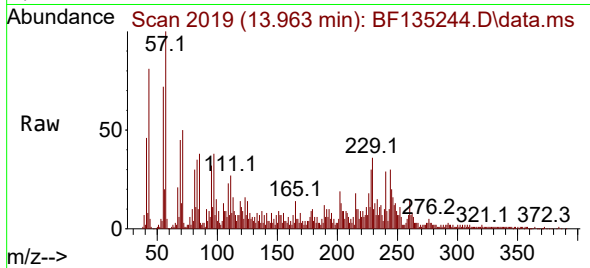
#81
Benzo(a)anthracene
Concen: 2.595 ng m
RT: 13.963 min Scan# 2019
Delta R.T. 0.024 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:228 Resp: 3036
Ion Ratio Lower Upper
228 100
226 58.6 21.7 32.5
229 119.3 15.8 23.8

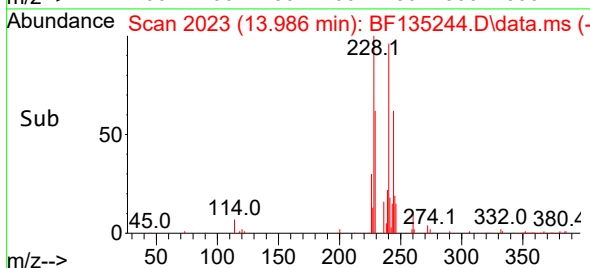
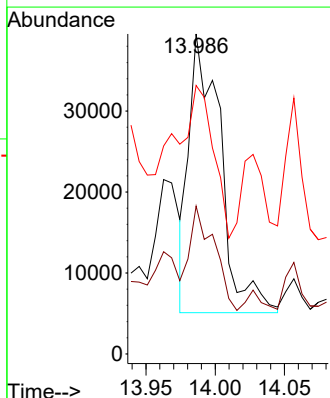
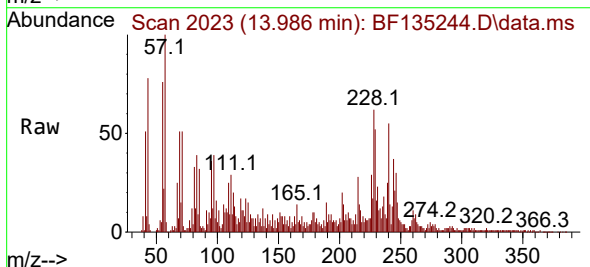
Manual Integrations
APPROVED

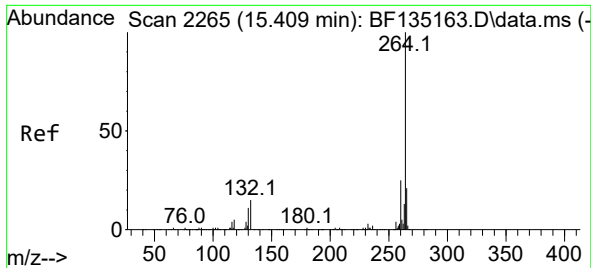
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#83
Chrysene
Concen: 4.650 ng m
RT: 13.986 min Scan# 2023
Delta R.T. 0.012 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

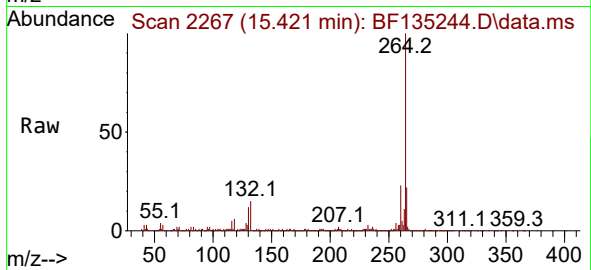
Tgt Ion:228 Resp: 54105
Ion Ratio Lower Upper
228 100
226 46.2 24.3 36.5#
229 83.9 16.0 24.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135244.D
Acq: 14 Sep 2023 02:46

Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:264 Resp: 194539
Ion Ratio Lower Upper
264 100
260 23.1 19.8 29.6
265 22.3 17.0 25.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

