

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135272.D
 Acq On : 15 Sep 2023 00:52
 Operator : CG\JU
 Sample : 04392-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 01:40:39 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	6.769	152	85171	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	110430	20.000	ng	# 0.01
39) Acenaphthene-d10	9.833	164	98394	20.000	ng	0.03
64) Phenanthrene-d10	11.322	188	155278	20.000	ng	# 0.03
76) Chrysene-d12	13.957	240	178362	20.000	ng	0.01
86) Perylene-d12	15.415	264	155175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	104485	19.953	ng	0.00
7) Phenol-d6	6.404	99	126998	19.073	ng	0.00
23) Nitrobenzene-d5	7.334	82	116267m	57.201	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	14315	14.640	ng	0.03
45) 2-Fluorobiphenyl	9.139	172	92081	14.119	ng	0.01
79) Terphenyl-d14	12.904	244	105447	9.165	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.086	128	1368518	255.060	ng	# 94
37) 2-Methylnaphthalene	8.804	142	2535035	702.879	ng	99
38) 1-Methylnaphthalene	8.892	142	1456577	431.364	ng	98
46) 1,1'-Biphenyl	9.245	154	355359	46.996	ng	98
52) Acenaphthene	9.869	154	121273	22.515	ng	# 64
58) Fluorene	10.386	166	340831	53.940	ng	# 91
71) Phenanthrene	11.351	178	793154	108.001	ng	# 94
75) Fluoranthene	12.539	202	44655	5.835	ng	68
78) Pyrene	12.763	202	171816	10.118	ng	# 94

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

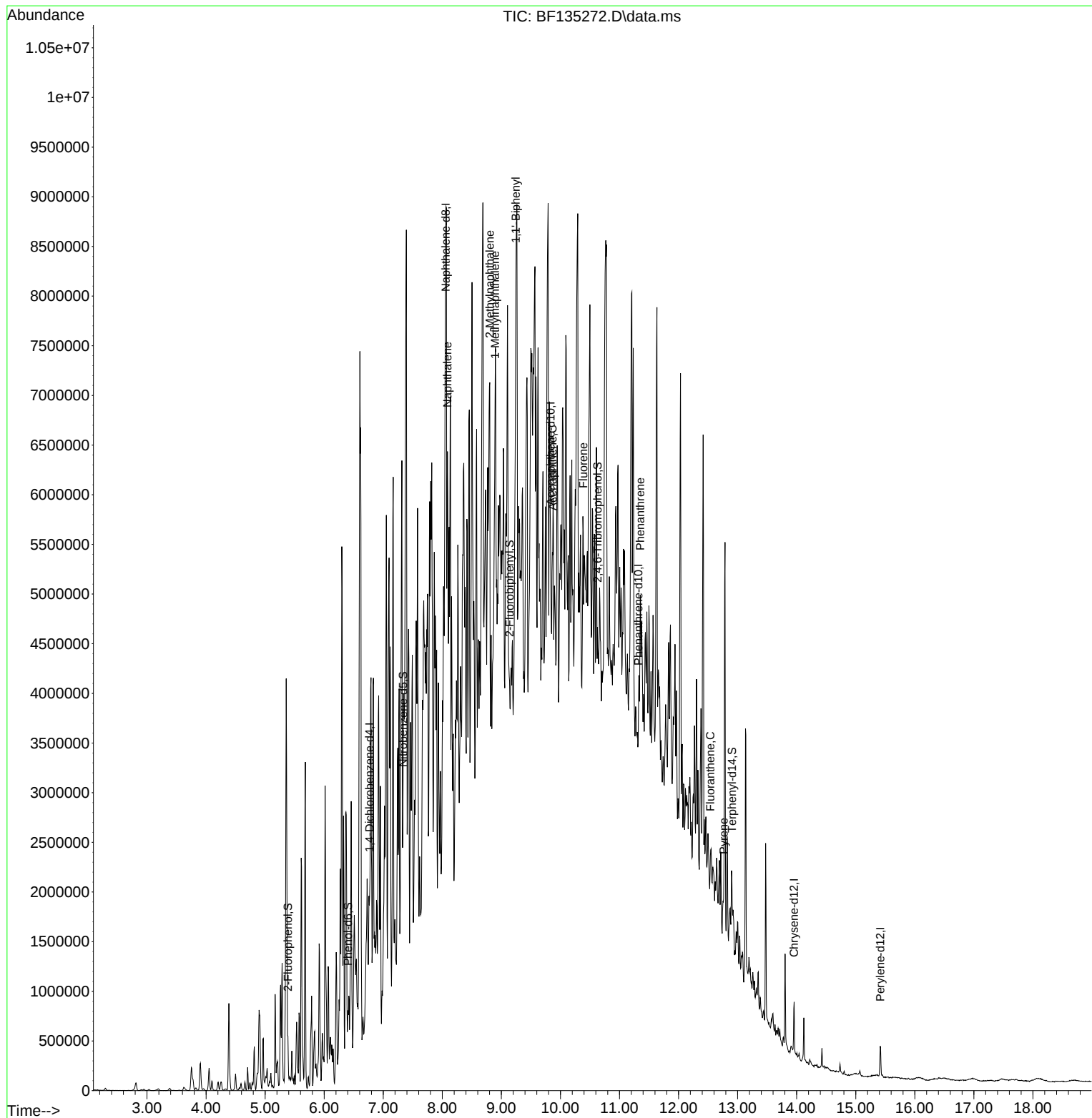
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
Data File : BF135272.D
Acq On : 15 Sep 2023 00:52
Operator : CG\JU
Sample : 04392-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

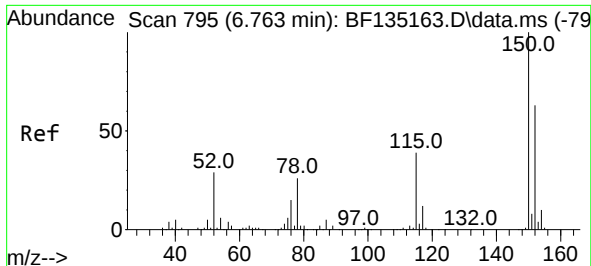
Instrument :
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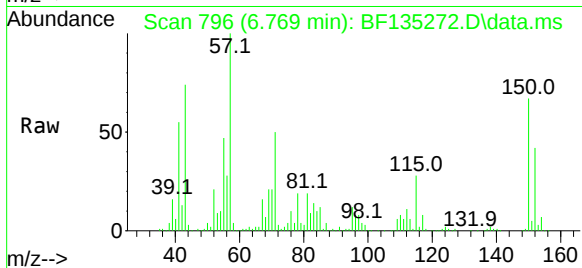
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

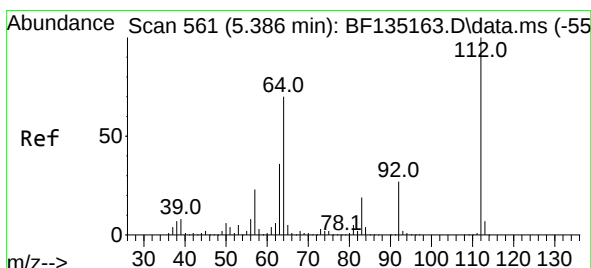
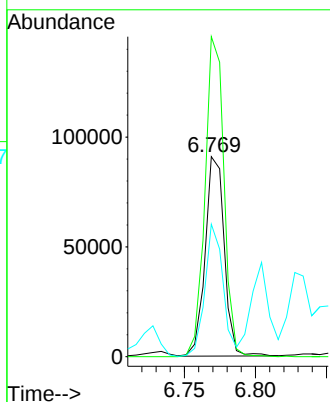
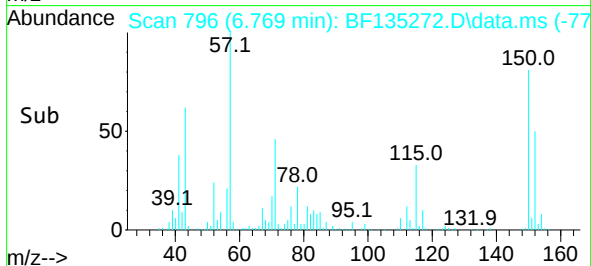
Instrument :
BNA_F
ClientSampleId :
WASTE



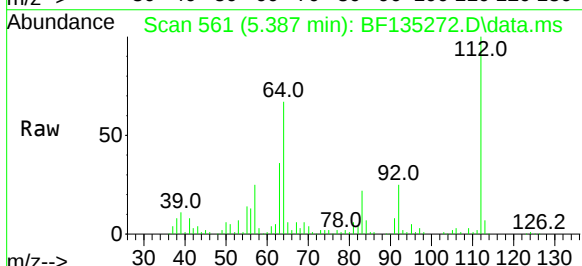
Tgt Ion:152 Resp: 8517
Ion Ratio Lower Upper
152 100
150 160.0 127.8 191.6
115 66.2 49.8 74.8

Manual Integrations
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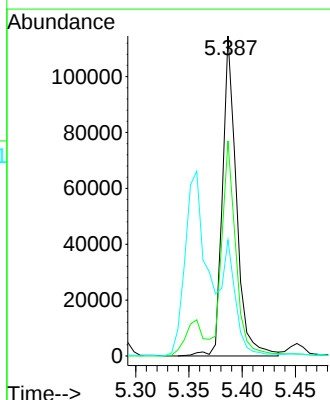
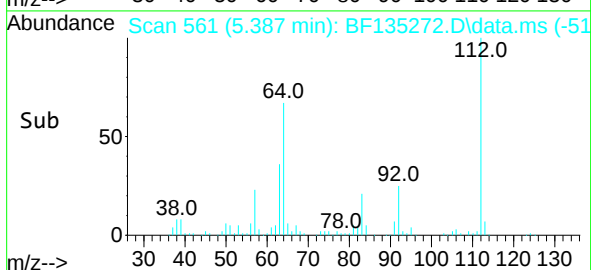
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

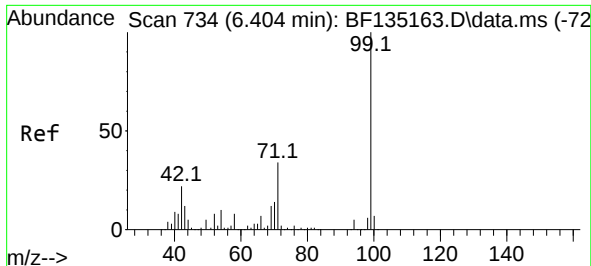


#5
2-Fluorophenol
Concen: 19.953 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52



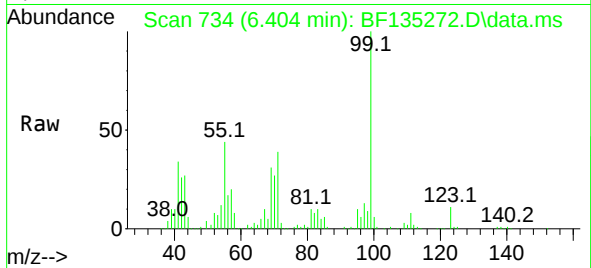
Tgt Ion:112 Resp: 104485
Ion Ratio Lower Upper
112 100
64 67.2 55.9 83.9
63 36.3 29.0 43.6





#7
Phenol-d6
Concen: 19.073 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

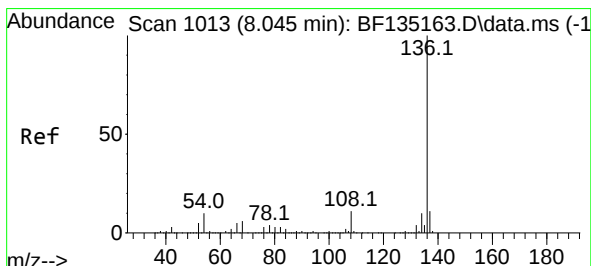
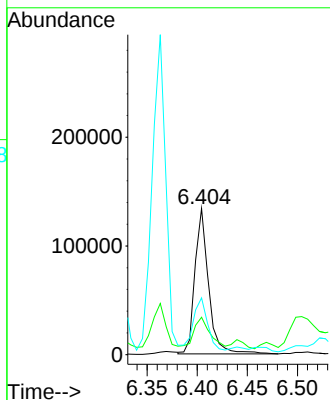
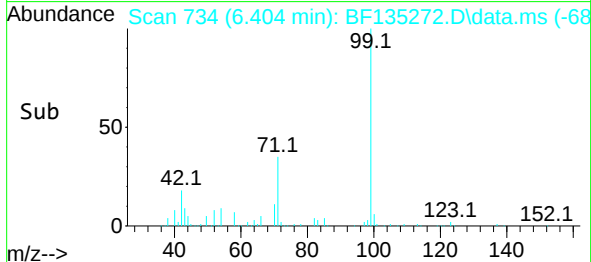
Instrument :
BNA_F
ClientSampleId :
WASTE



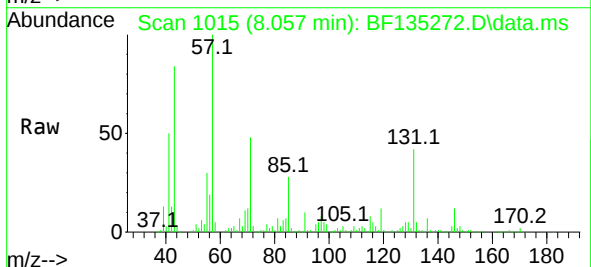
Tgt Ion: 99 Resp: 126998
Ion Ratio Lower Upper
99 100
42 25.6 17.9 26.9
71 38.9 27.0 40.6

Manual Integrations
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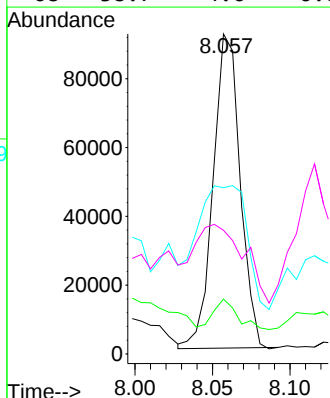
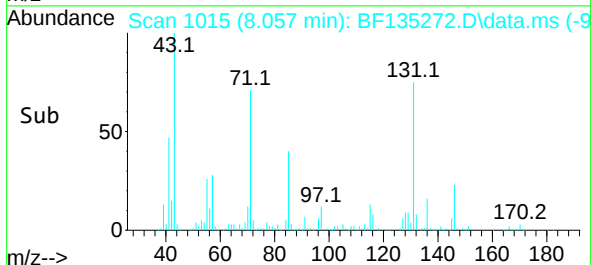
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.012 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52



Tgt Ion:136 Resp: 110430
Ion Ratio Lower Upper
136 100
137 17.1 8.8 13.2#
54 51.9 7.7 11.5#
68 38.7 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 57.201 ng m

RT: 7.334 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF135272.D

Acq: 15 Sep 2023 00:52

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion: 82 Resp: 11626

Ion Ratio Lower Upper

82 100

128 33.7 35.8 53.6

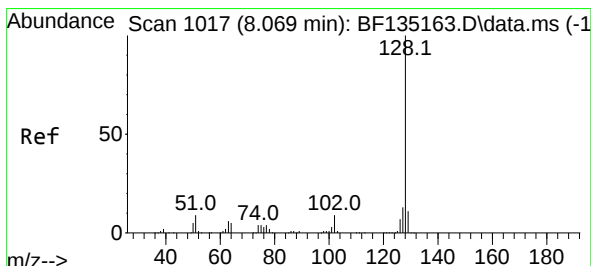
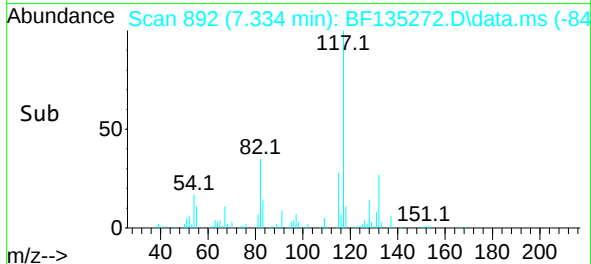
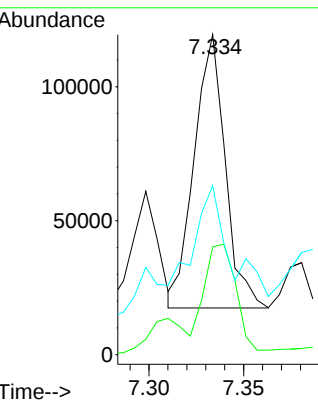
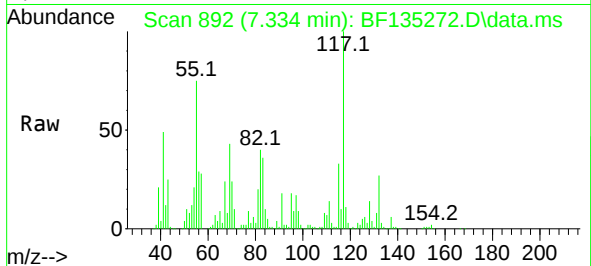
54 52.8 50.6 76.0

Manual Integrations

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#31

Naphthalene

Concen: 255.060 ng

RT: 8.086 min Scan# 1020

Delta R.T. 0.018 min

Lab File: BF135272.D

Acq: 15 Sep 2023 00:52

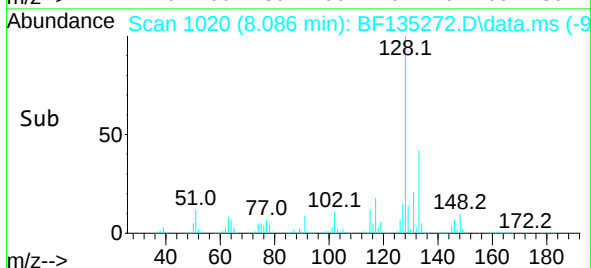
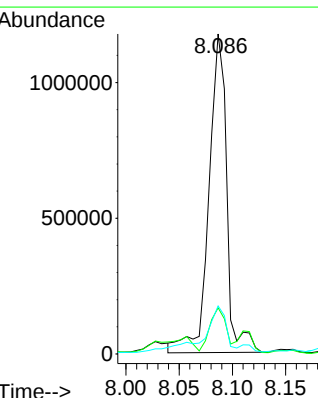
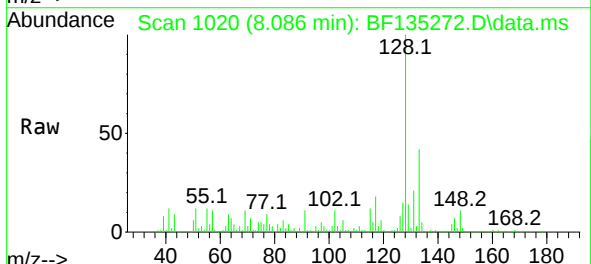
Tgt Ion:128 Resp: 1368518

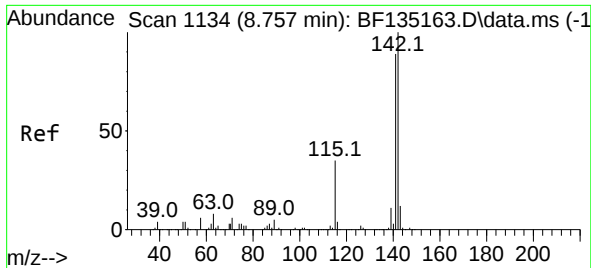
Ion Ratio Lower Upper

128 100

129 14.4 8.7 13.1#

127 15.0 10.7 16.1





#37

2-Methylnaphthalene

Concen: 702.879 ng

RT: 8.804 min Scan# 1142

Delta R.T. 0.047 min

Lab File: BF135272.D

Acq: 15 Sep 2023 00:52

Instrument :

BNA_F

ClientSampleId :

WASTE

Tgt Ion:142 Resp: 253503

Ion Ratio Lower Upper

142 100

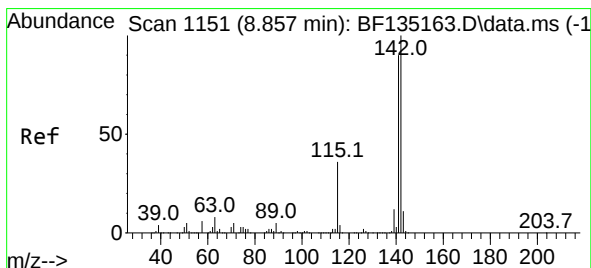
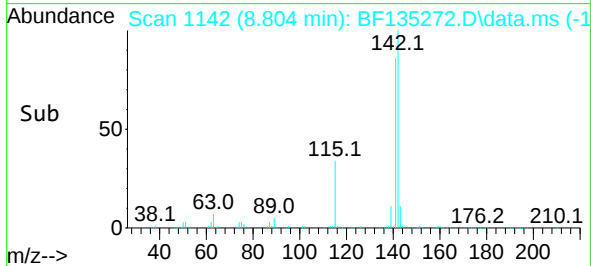
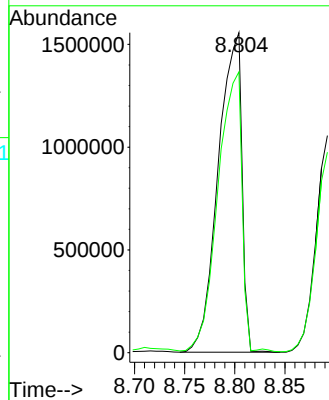
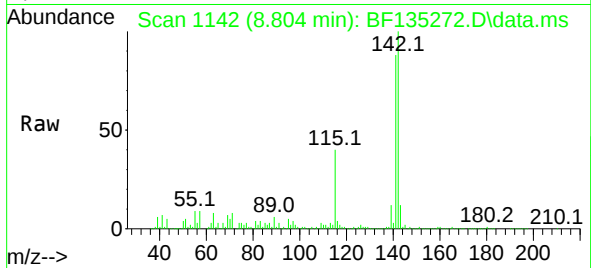
141 87.8 71.0 106.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#38

1-Methylnaphthalene

Concen: 431.364 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.035 min

Lab File: BF135272.D

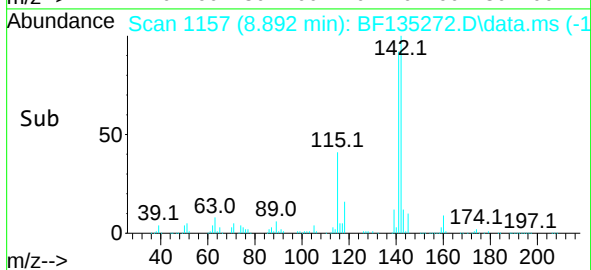
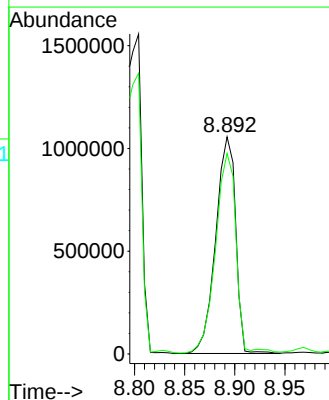
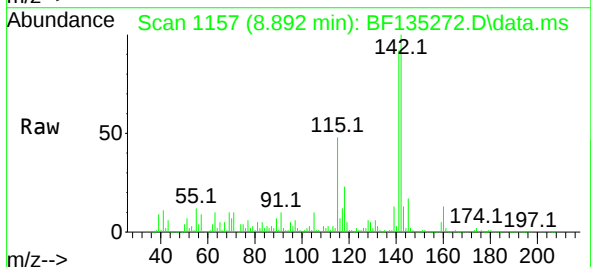
Acq: 15 Sep 2023 00:52

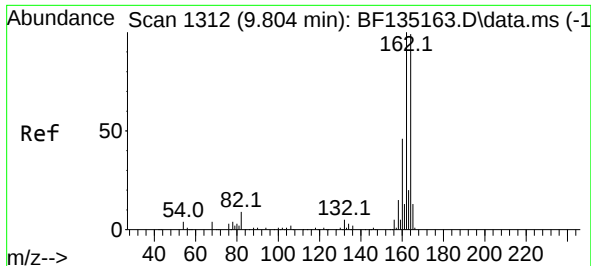
Tgt Ion:142 Resp: 1456577

Ion Ratio Lower Upper

142 100

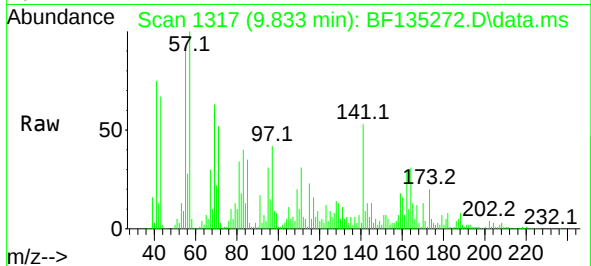
141 92.3 72.4 108.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

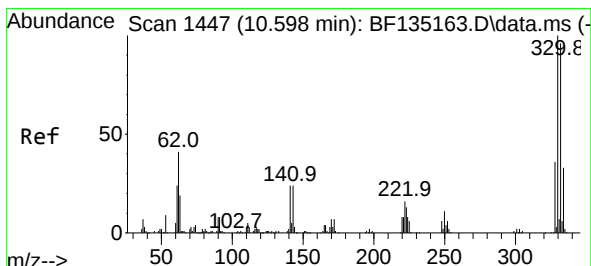
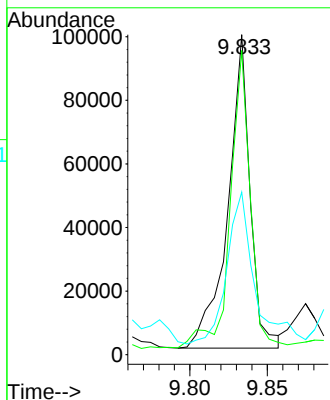
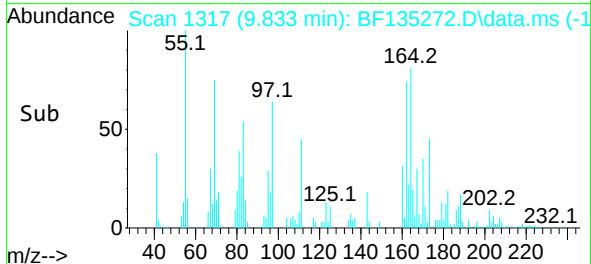
Instrument :
BNA_F
ClientSampleId :
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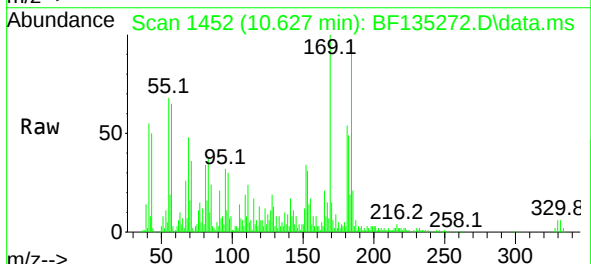
Tgt Ion:164 Resp: 98394
Ion Ratio Lower Upper
164 100
162 95.1 81.0 121.4
160 50.8 37.0 55.4

Manual Integrations
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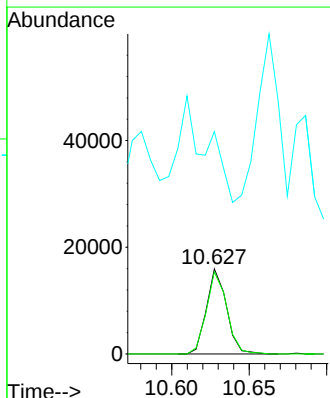
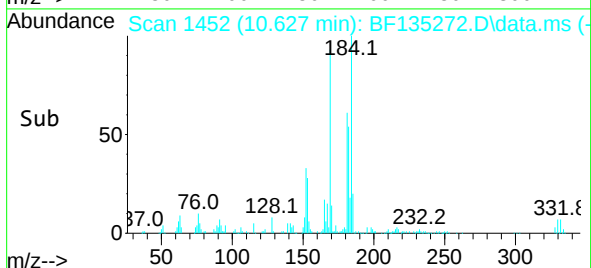
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

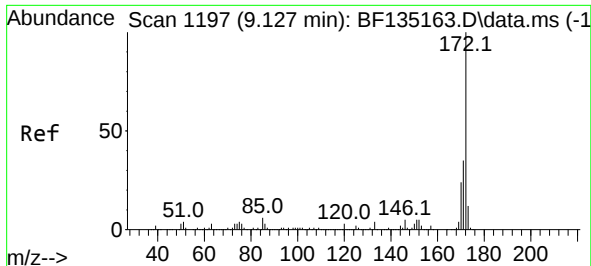


#42
2,4,6-Tribromophenol
Concen: 14.640 ng
RT: 10.627 min Scan# 1452
Delta R.T. 0.030 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52



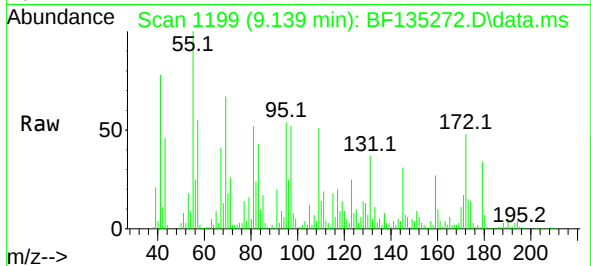
Tgt Ion:330 Resp: 14315
Ion Ratio Lower Upper
330 100
332 98.9 77.3 115.9
141 179.3 25.8 38.8#





#45
2-Fluorobiphenyl
Concen: 14.119 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.012 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

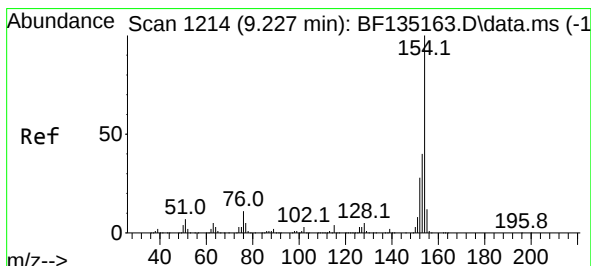
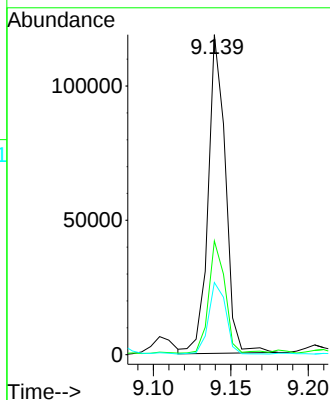
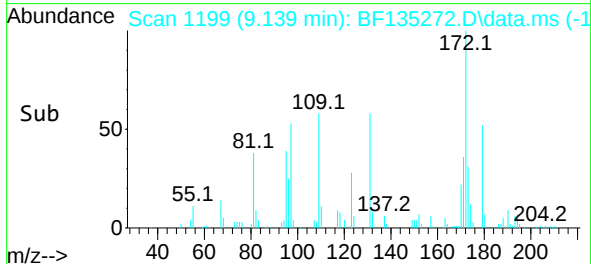
Instrument :
BNA_F
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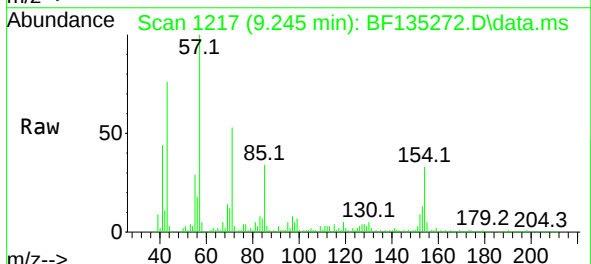
Tgt Ion:172 Resp: 9208
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 22.6 19.0 28.4

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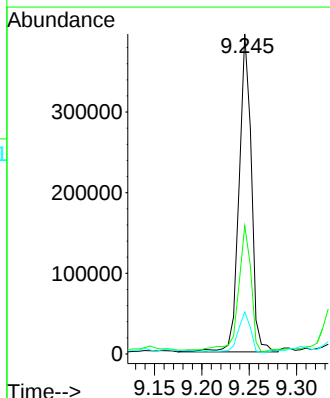
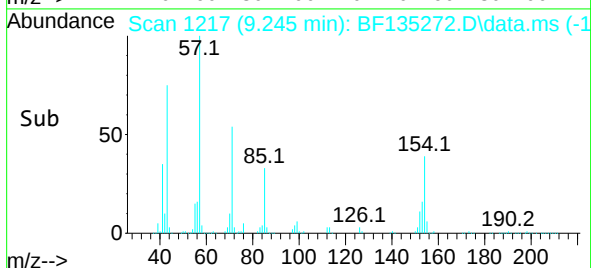
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

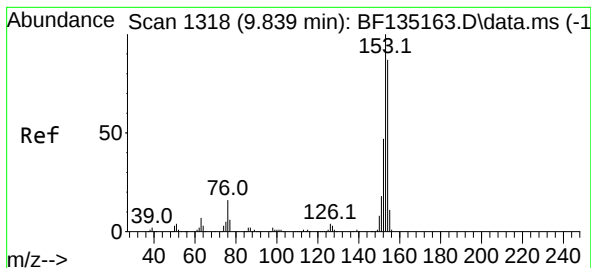


#46
1,1'-Biphenyl
Concen: 46.996 ng
RT: 9.245 min Scan# 1217
Delta R.T. 0.018 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52



Tgt Ion:154 Resp: 355359
Ion Ratio Lower Upper
154 100
153 40.1 19.6 59.6
76 13.2 0.0 31.0





#52

Acenaphthene

Concen: 22.515 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.030 min

Lab File: BF135272.D

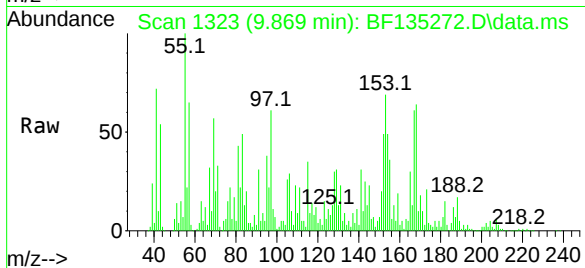
Acq: 15 Sep 2023 00:52

Instrument :

BNA_F

ClientSampleId :

WASTE



Tgt Ion:154 Resp: 12127

Ion Ratio Lower Upper

154 100

153 139.9 92.1 138.1

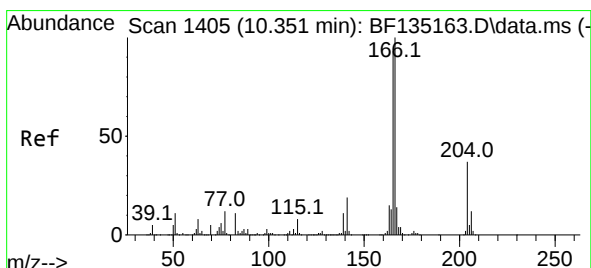
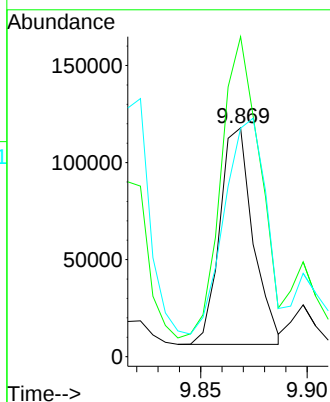
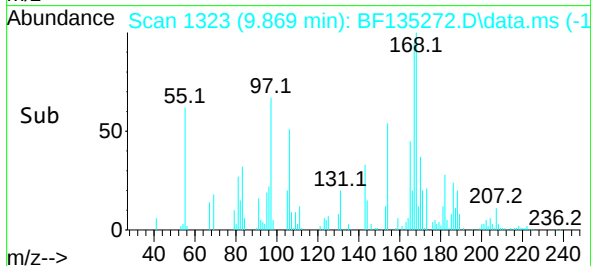
152 99.9 43.1 64.7

Manual Integrations

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Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#58

Fluorene

Concen: 53.940 ng

RT: 10.386 min Scan# 1411

Delta R.T. 0.035 min

Lab File: BF135272.D

Acq: 15 Sep 2023 00:52

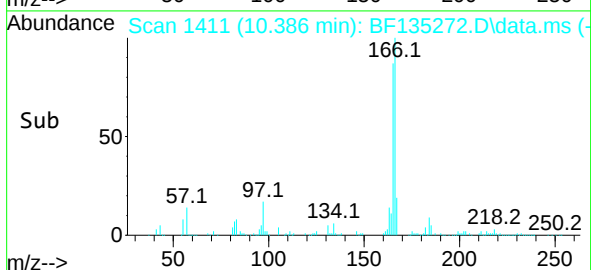
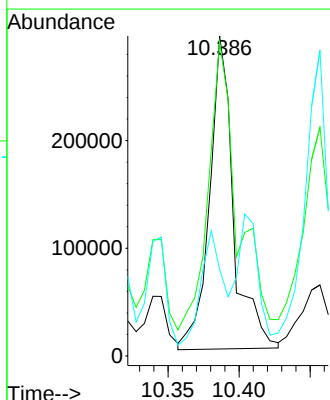
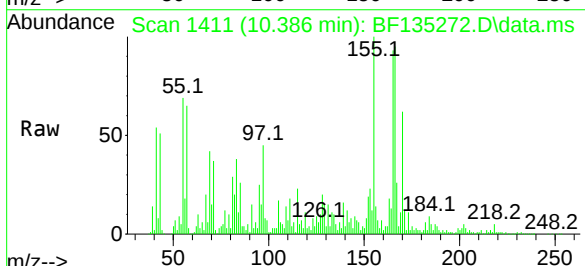
Tgt Ion:166 Resp: 340831

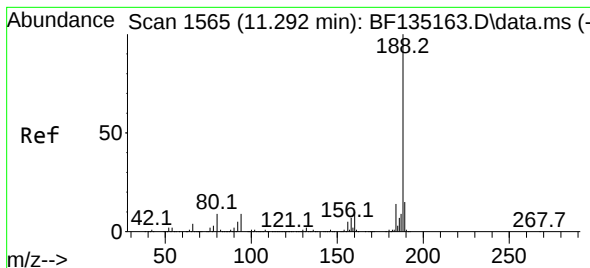
Ion Ratio Lower Upper

166 100

165 98.2 74.3 111.5

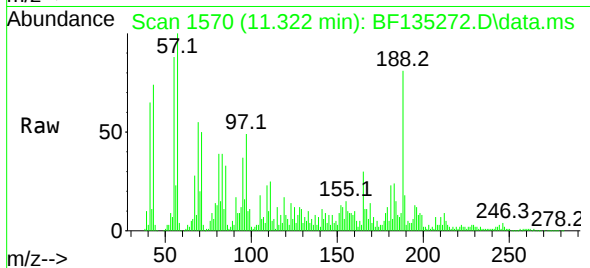
167 27.0 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1565
Delta R.T. 0.030 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

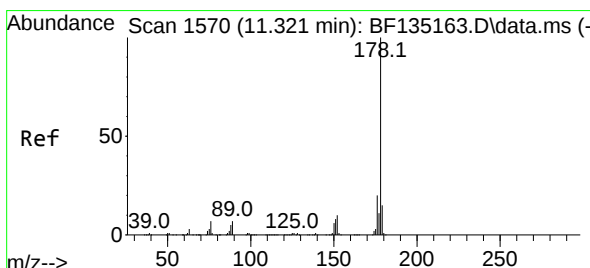
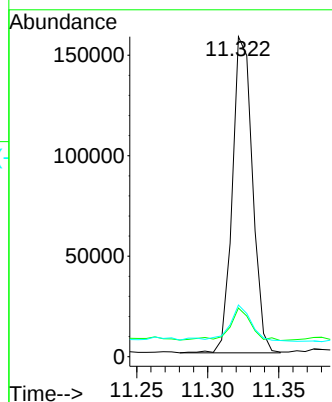
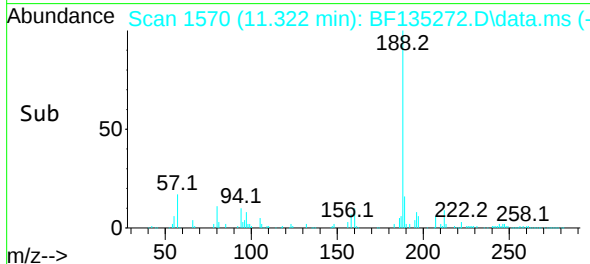
Instrument :
BNA_F
ClientSampleId :
WASTE



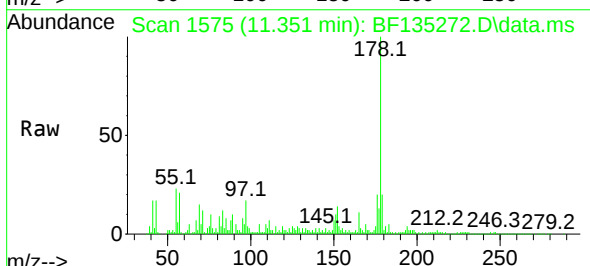
Tgt Ion:188 Resp: 155278
Ion Ratio Lower Upper
188 100
94 15.2 7.0 10.6
80 16.2 7.5 11.3

Manual Integrations
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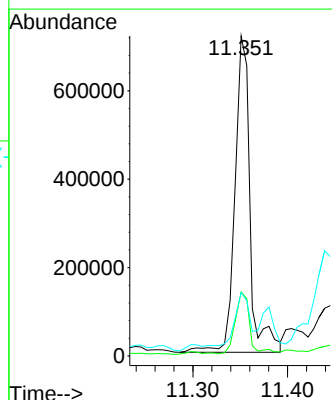
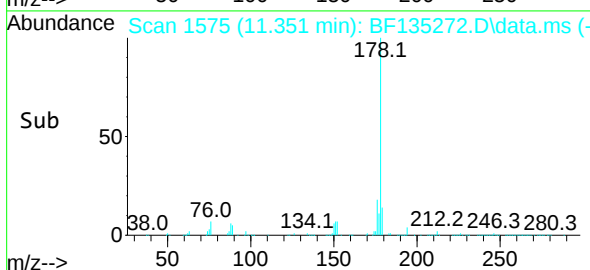
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

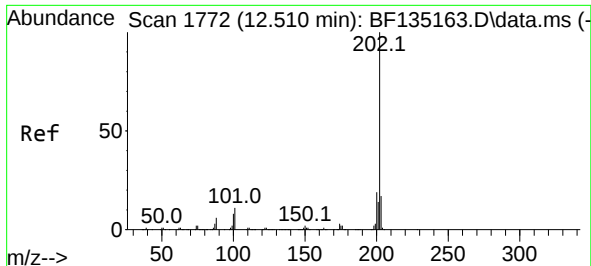


#71
Phenanthrene
Concen: 108.001 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.030 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52



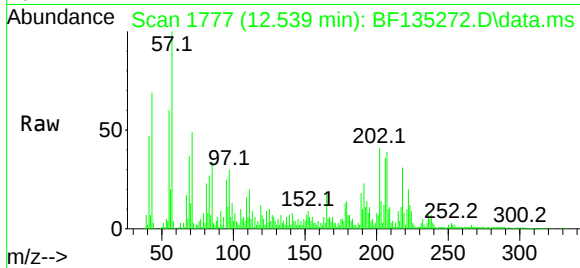
Tgt Ion:178 Resp: 793154
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 19.8 12.0 18.0





#75
Fluoranthene
Concen: 5.835 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

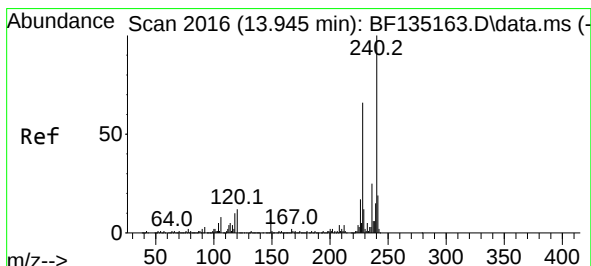
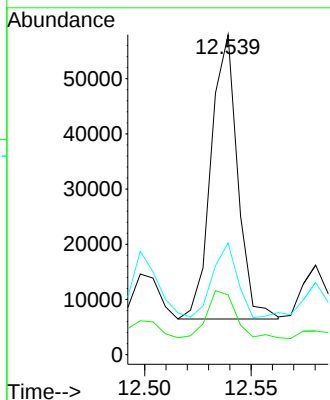
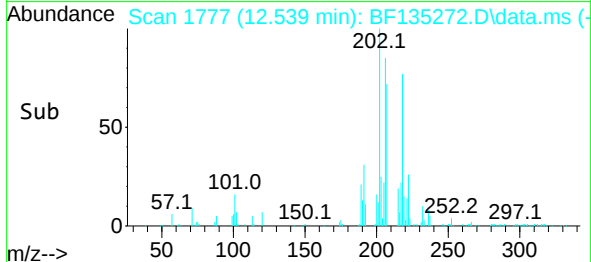
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:202 Resp: 4465
Ion Ratio Lower Upper
202 100
101 18.7 0.0 31.3
203 34.9 0.0 37.4

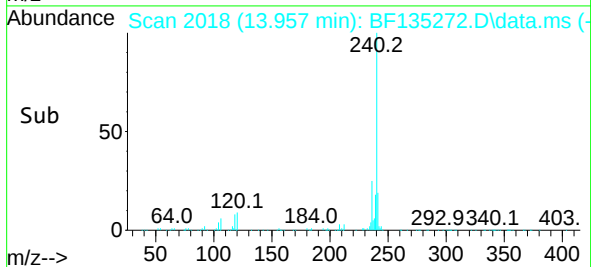
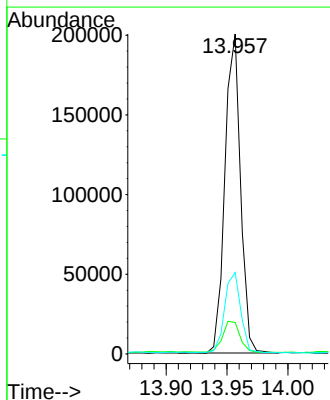
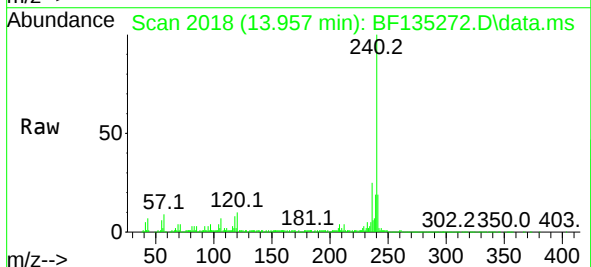
Manual Integrations
APPROVED

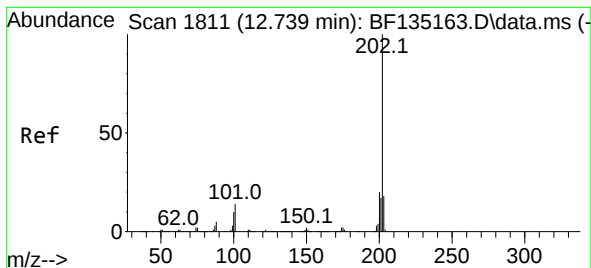
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.012 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

Tgt Ion:240 Resp: 178362
Ion Ratio Lower Upper
240 100
120 9.9 9.4 14.2
236 25.4 19.8 29.8





#78

Pyrene

Concen: 10.118 ng

RT: 12.763 min Scan# 1815

Delta R.T. 0.024 min

Lab File: BF135272.D

Acq: 15 Sep 2023 00:52

Instrument :

BNA_F

ClientSampleId :

WASTE

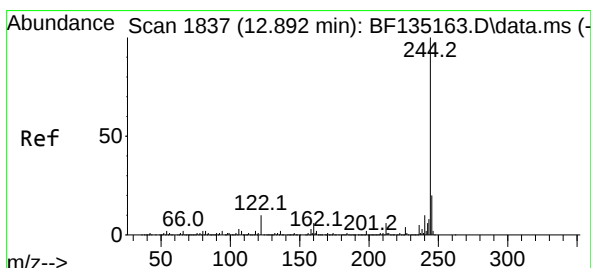
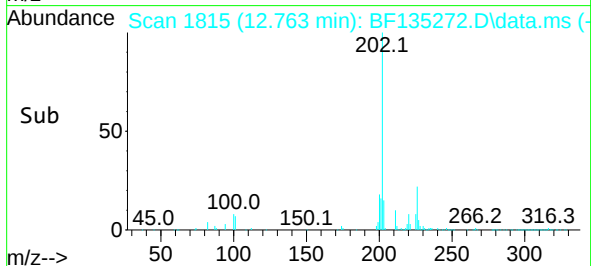
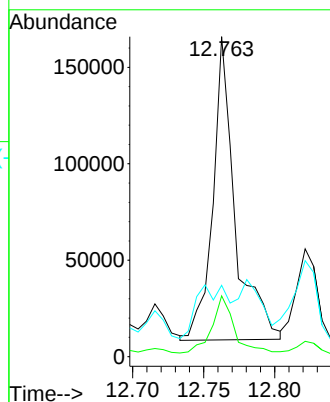
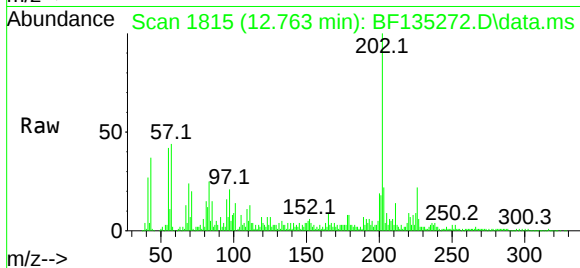
Tgt Ion:	202	Resp:	171810
Ion Ratio	Lower	Upper	
202	100		
200	19.0	16.2	24.2
203	22.3	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#79

Terphenyl-d14

Concen: 9.165 ng

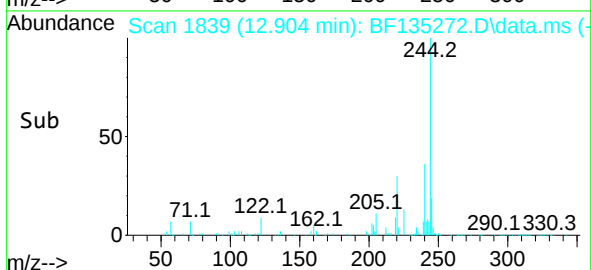
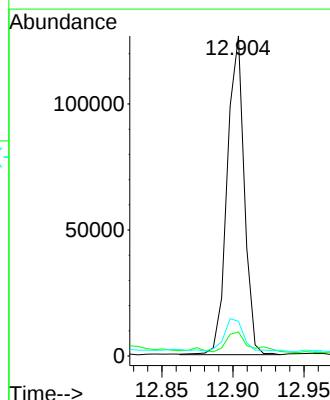
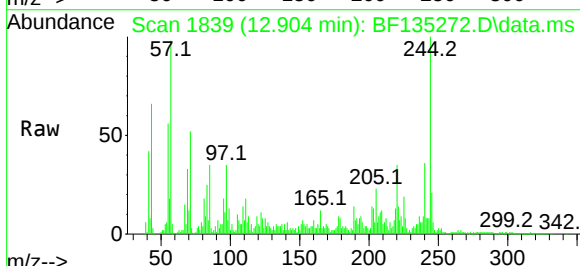
RT: 12.904 min Scan# 1839

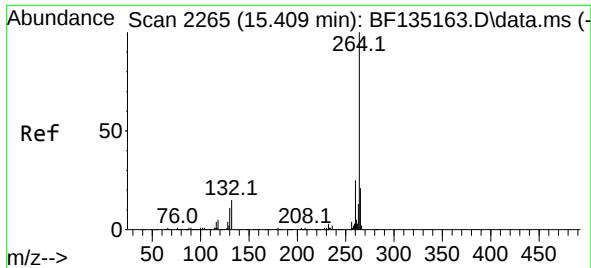
Delta R.T. 0.012 min

Lab File: BF135272.D

Acq: 15 Sep 2023 00:52

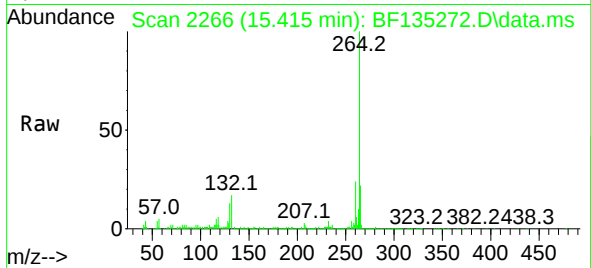
Tgt Ion:	244	Resp:	105447
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.1	7.7
122	10.9	7.9	11.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135272.D
Acq: 15 Sep 2023 00:52

Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:264 Resp: 155179
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 21.7 17.0 25.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

