

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135860.D
 Acq On : 18 Oct 2023 21:56
 Operator : CG\JU
 Sample : 04846-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 19 02:09:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	88997	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	325079	20.000	ng	0.00
39) Acenaphthene-d10	9.781	164	153007	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	275091	20.000	ng	0.00
76) Chrysene-d12	13.939	240	155450	20.000	ng	-0.01
86) Perylene-d12	15.415	264	167757	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	763616	137.949	ng	0.00
7) Phenol-d6	6.398	99	939716	136.057	ng	0.00
23) Nitrobenzene-d5	7.310	82	582808	98.604	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	229708	156.453	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1018549	104.081	ng	0.00
79) Terphenyl-d14	12.874	244	1003079	119.499	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.834	142	118900	12.340	ng	99
58) Fluorene	10.333	166	35817	3.619	ng	# 95
71) Phenanthrene	11.298	178	133534	10.133	ng	# 96
75) Fluoranthene	12.498	202	72918	4.985	ng	98
78) Pyrene	12.727	202	71922	5.822	ng	98
81) Benzo(a)anthracene	13.927	228	21055	2.062	ng	95
83) Chrysene	13.969	228	20684m	2.091	ng	
88) Benzo(b)fluoranthene	14.992	252	18937m	2.017	ng	

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

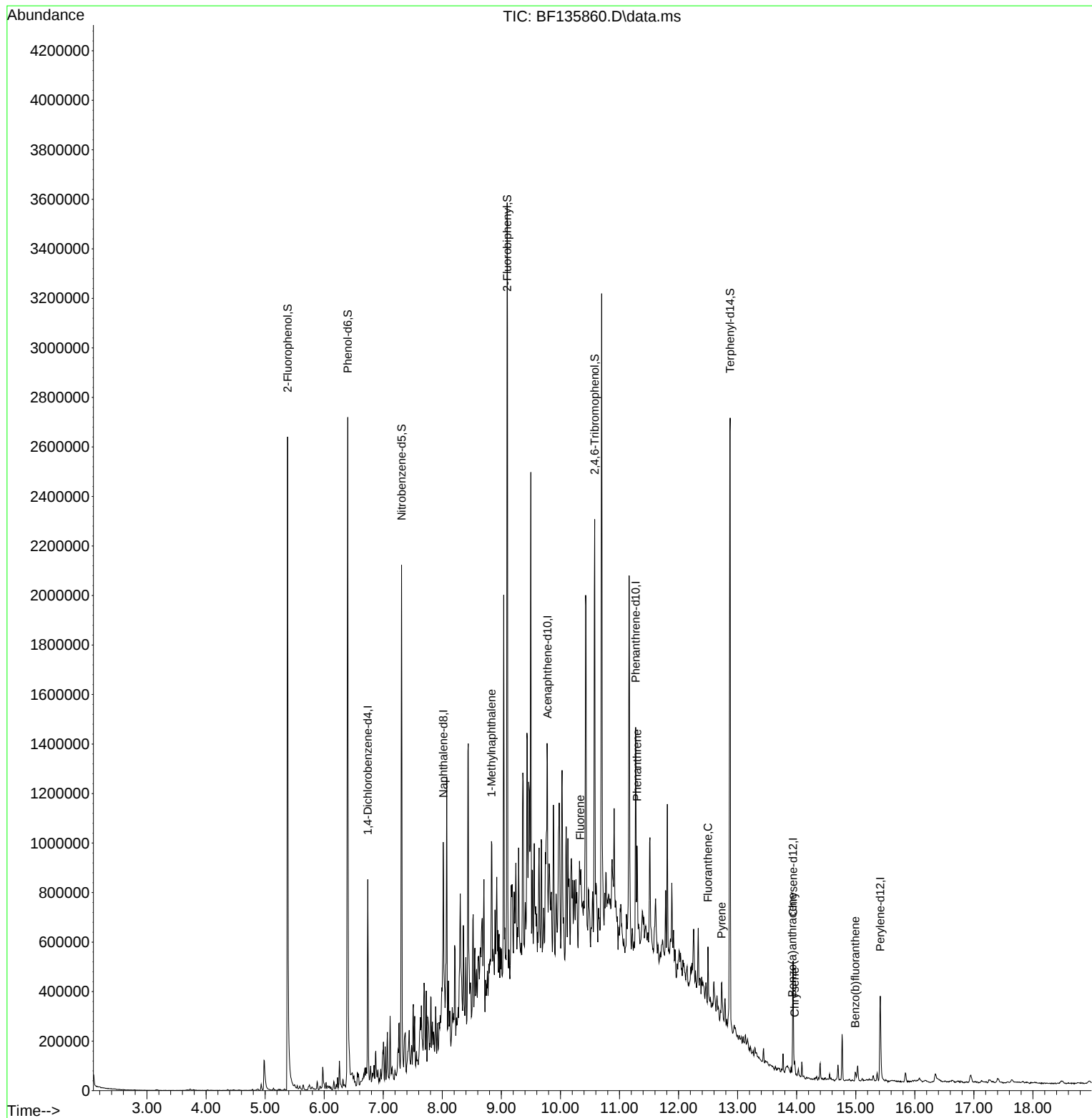
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135860.D
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ALS Vial : 6 Sample Multiplier: 1

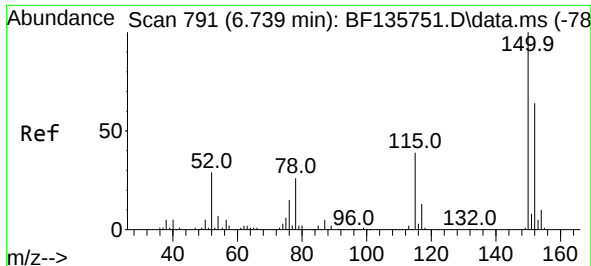
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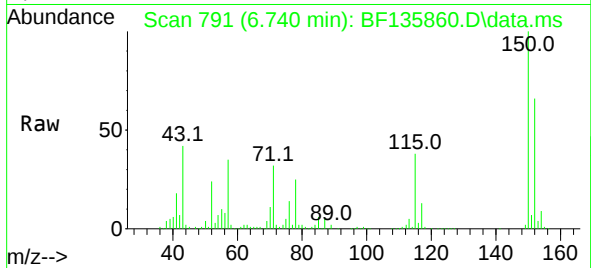
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Instrument :

BNA_F

ClientSampleId :

WASTE

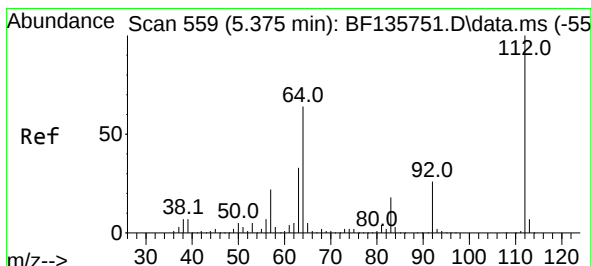
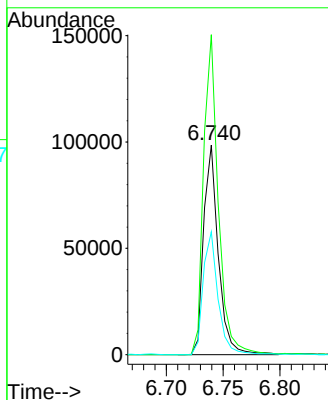
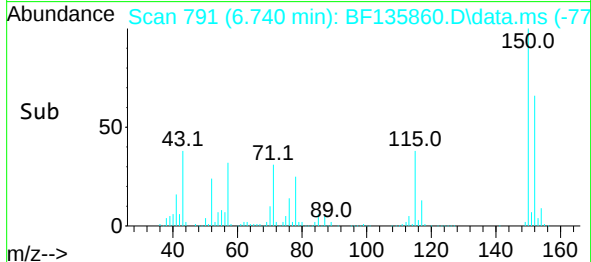


Tgt Ion:152 Resp: 88997
Ion Ratio Lower Upper
152 100
150 152.6 124.5 186.7
115 58.6 49.0 73.4

Manual Integrations

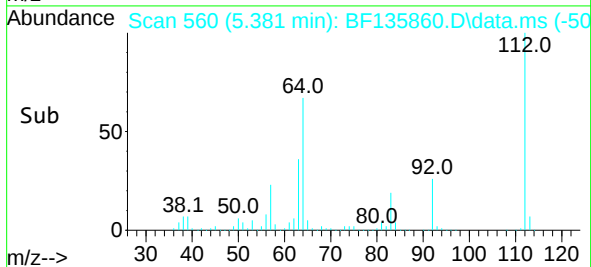
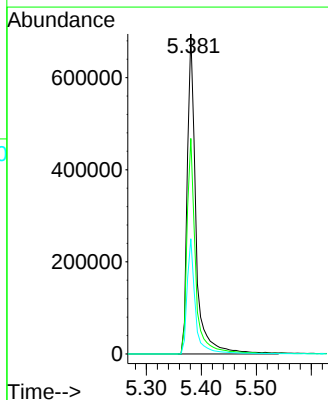
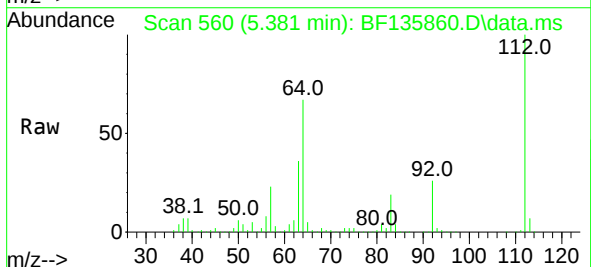
APPROVED

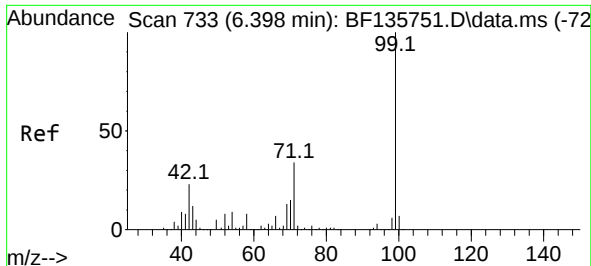
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#5
2-Fluorophenol
Concen: 137.949 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

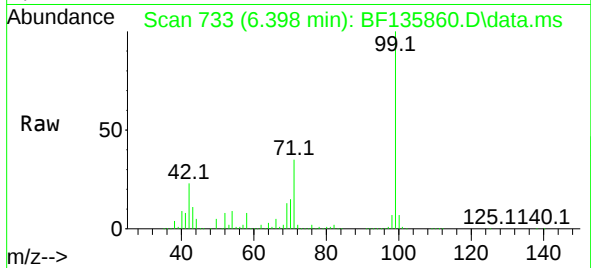
Tgt Ion:112 Resp: 763616
Ion Ratio Lower Upper
112 100
64 67.4 51.2 76.8
63 36.0 26.1 39.1





#7
Phenol-d6
Concen: 136.057 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

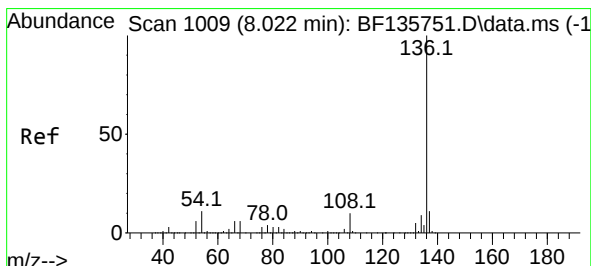
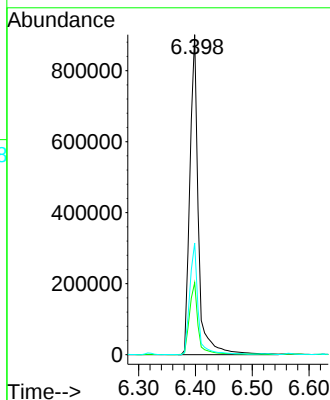
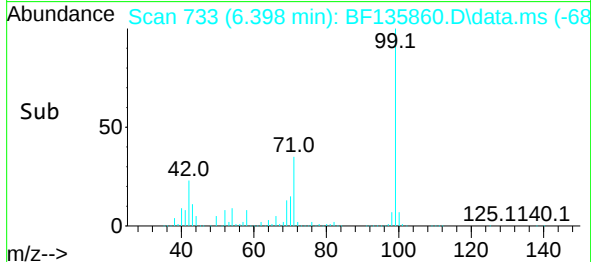
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 939710
Ion Ratio Lower Upper
99 100
42 22.5 18.4 27.6
71 34.9 27.2 40.8

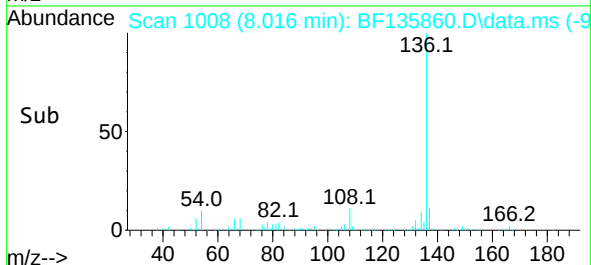
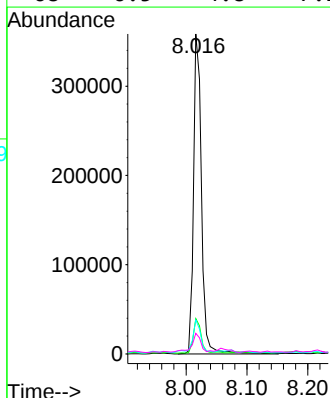
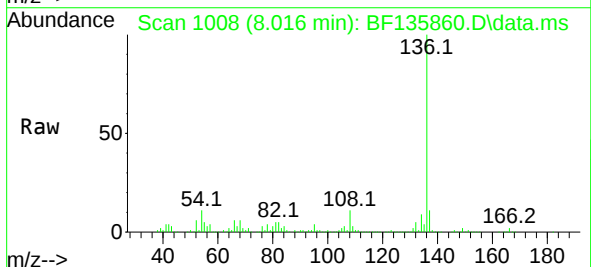
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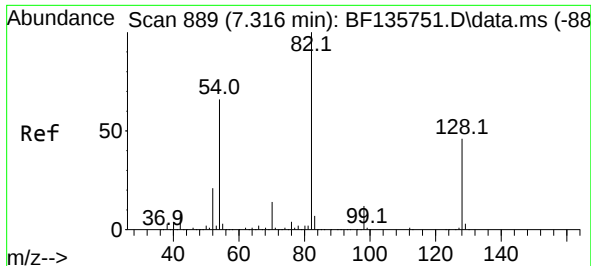
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:136 Resp: 325079
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.7 8.5 12.7
68 6.5 4.8 7.2





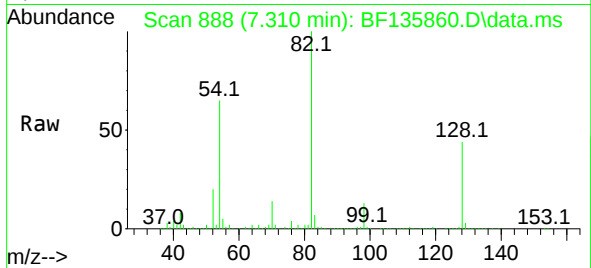
#23
Nitrobenzene-d5
Concen: 98.604 ng
RT: 7.310 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Instrument :

BNA_F

ClientSampleId :

WASTE

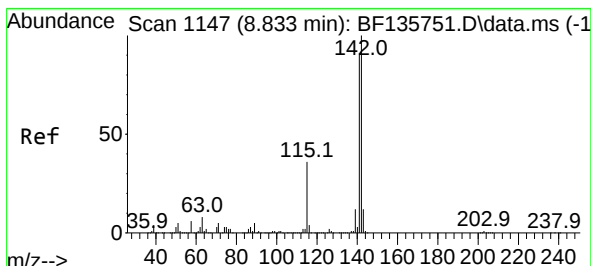
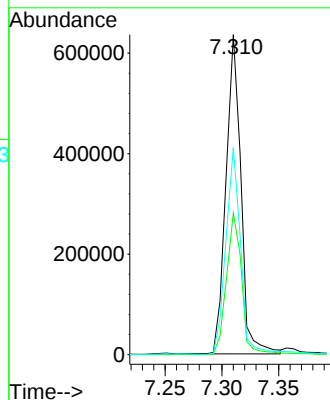
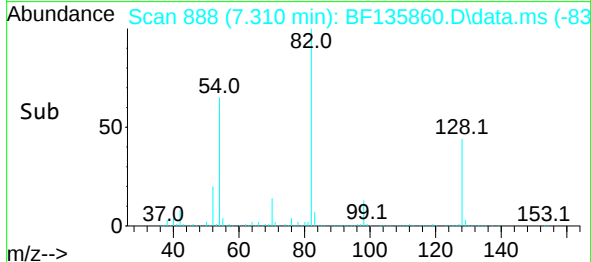


Tgt Ion: 82 Resp: 582808
Ion Ratio Lower Upper
82 100
128 44.3 37.0 55.6
54 64.7 52.8 79.2

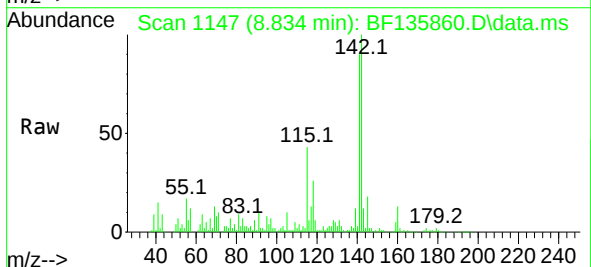
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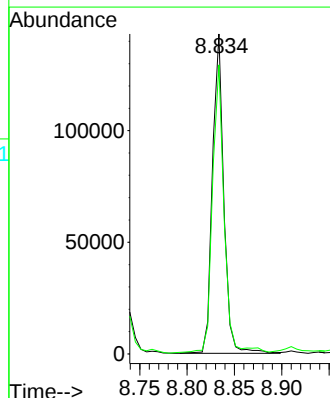
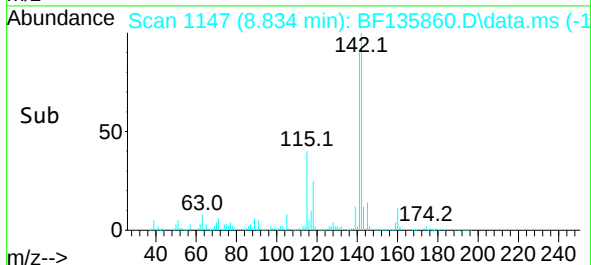
Reviewed By :Yogesh Patel 10/19/2023
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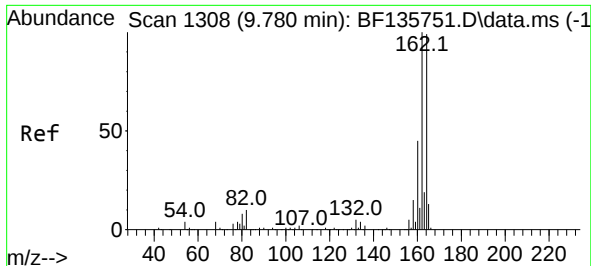


#38
1-Methylnaphthalene
Concen: 12.340 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56



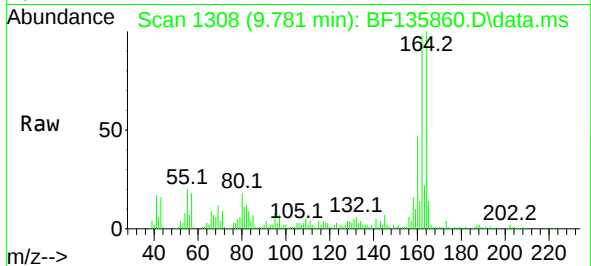
Tgt Ion:142 Resp: 118900
Ion Ratio Lower Upper
142 100
141 90.4 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

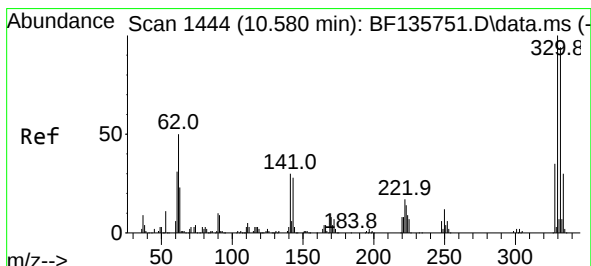
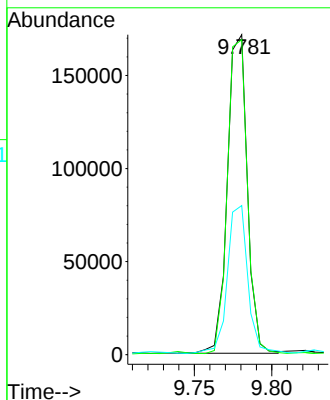
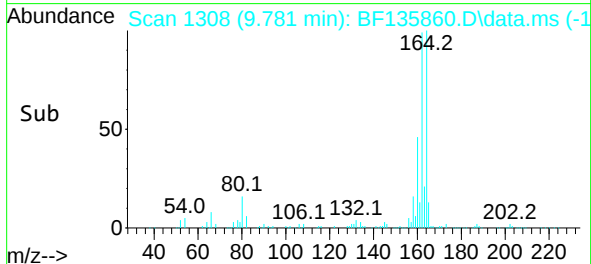
Instrument :
BNA_F
ClientSampleId :
WASTE



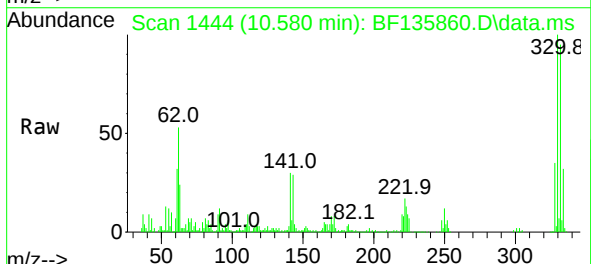
Tgt Ion:164 Resp: 15300
Ion Ratio Lower Upper
164 100
162 98.5 80.8 121.2
160 46.6 36.6 54.8

Manual Integrations
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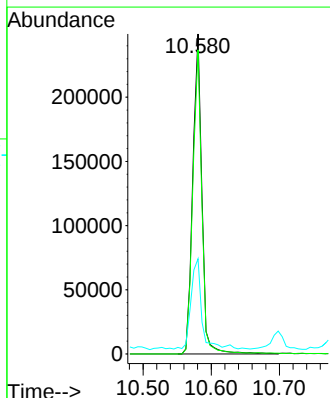
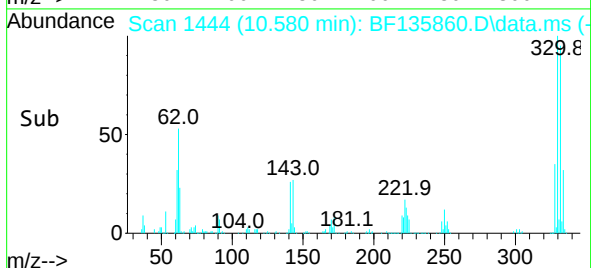
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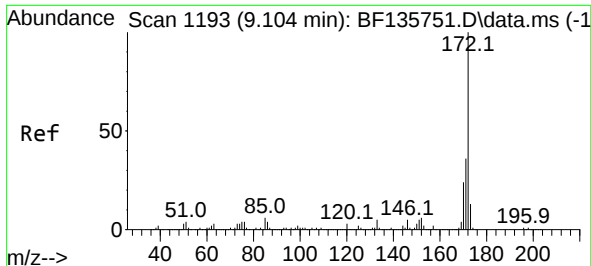


#42
2,4,6-Tribromophenol
Concen: 156.453 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56



Tgt Ion:330 Resp: 229708
Ion Ratio Lower Upper
330 100
332 93.8 75.0 112.4
141 31.7 25.8 38.6





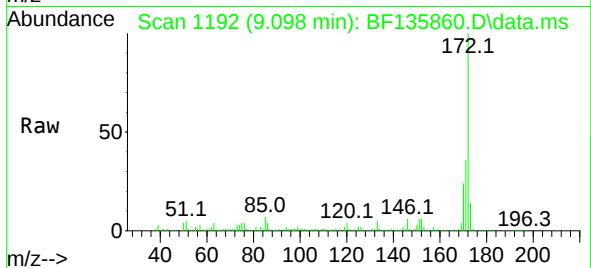
#45
2-Fluorobiphenyl
Concen: 104.081 ng
RT: 9.098 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Instrument :

BNA_F

ClientSampleId :

WASTE



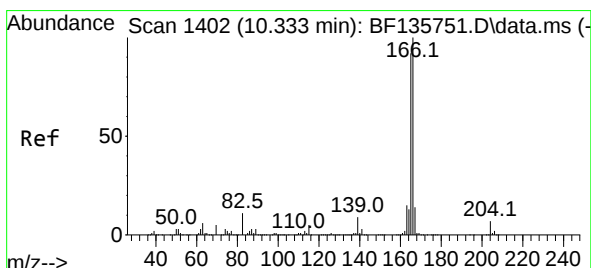
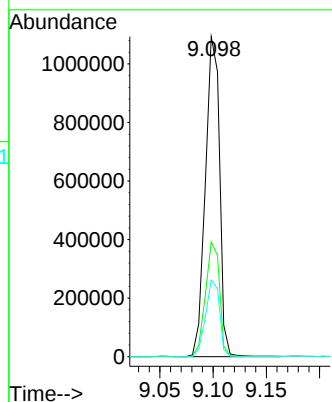
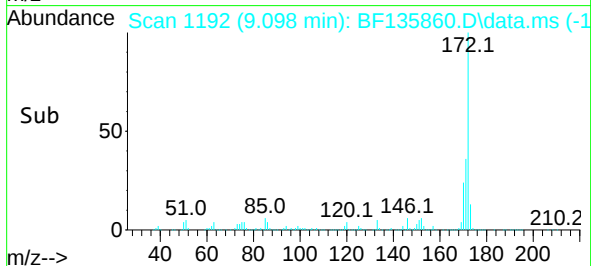
Tgt Ion:172 Resp: 1018549
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.9 18.8 28.2

Manual Integrations

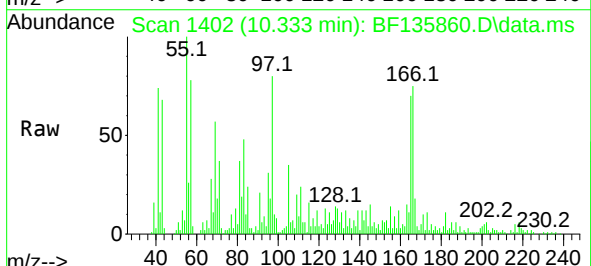
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Reviewed By :Yogesh Patel 10/19/2023

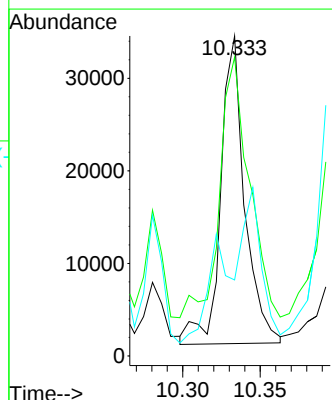
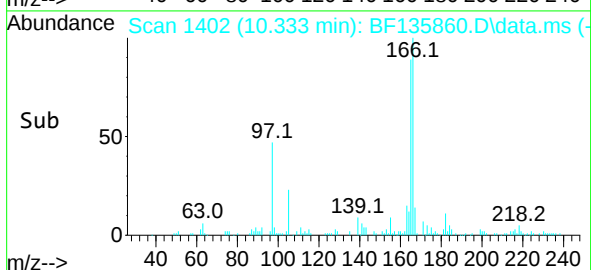
Supervised By :mohammad ahmed 10/20/2023

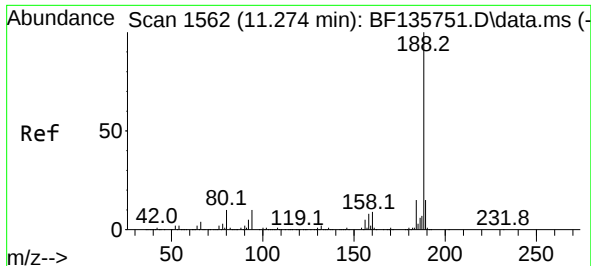


#58
Fluorene
Concen: 3.619 ng
RT: 10.333 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56



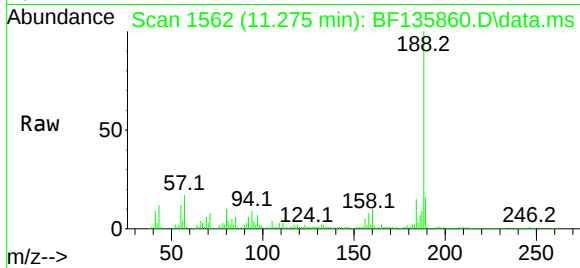
Tgt Ion:166 Resp: 35817
Ion Ratio Lower Upper
166 100
165 93.4 73.4 110.0
167 23.7 11.0 16.6#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

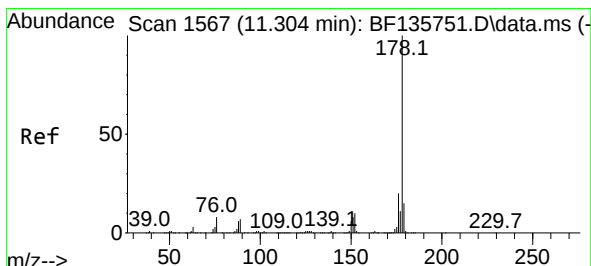
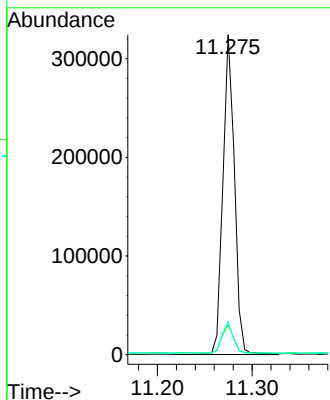
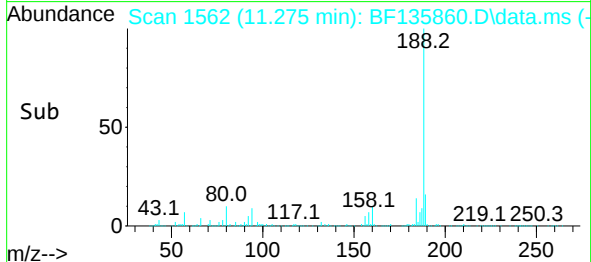
Instrument :
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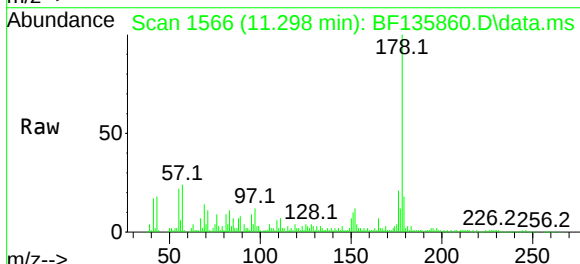
Tgt Ion:188 Resp: 275091
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.3 8.3 12.5

Manual Integrations
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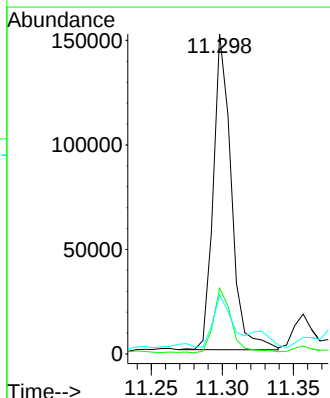
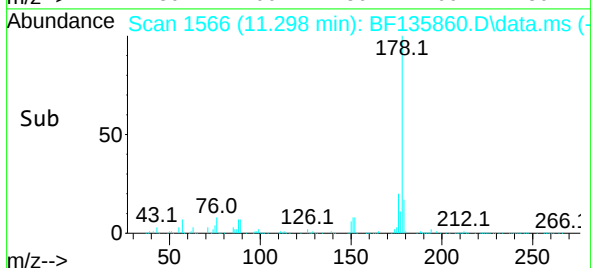
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

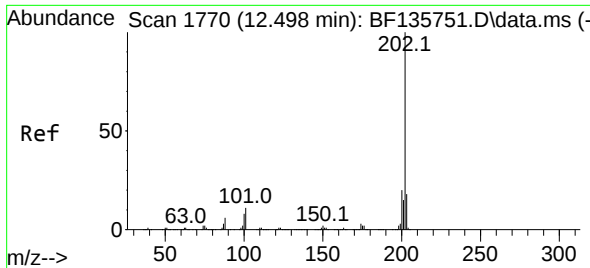


#71
Phenanthrene
Concen: 10.133 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56



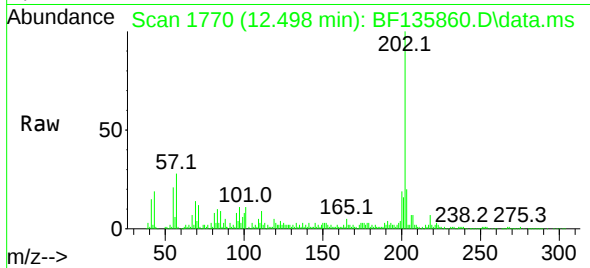
Tgt Ion:178 Resp: 133534
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 18.4 12.2 18.4#





#75
Fluoranthene
Concen: 4.985 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

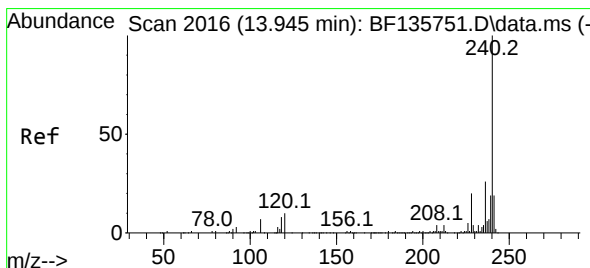
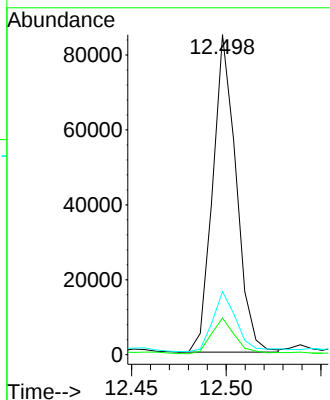
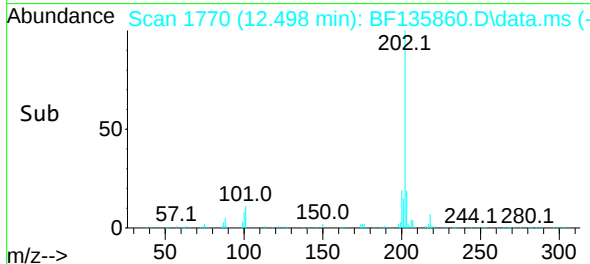
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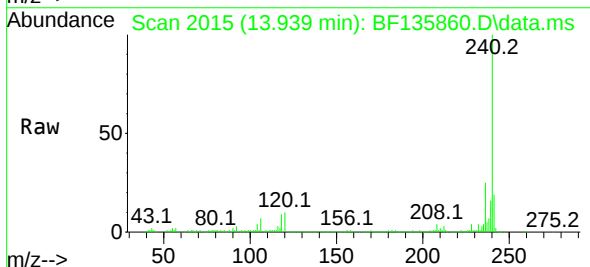
Tgt Ion:202 Resp: 72918
Ion Ratio Lower Upper
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101 11.4 0.0 31.5
203 19.7 0.0 38.3

Manual Integrations
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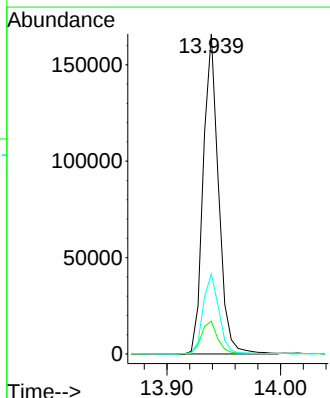
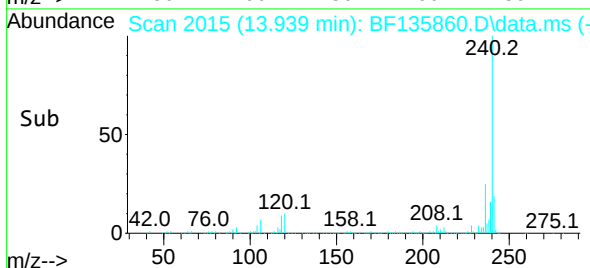
Reviewed By :Yogesh Patel 10/19/2023
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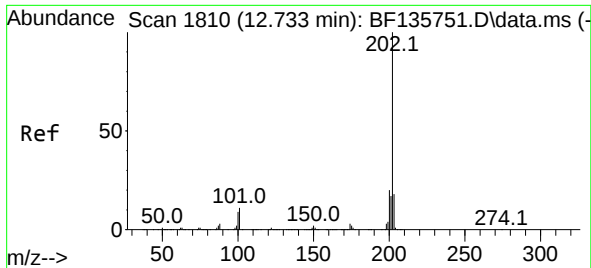


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56



Tgt Ion:240 Resp: 155450
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 25.0 21.2 31.8





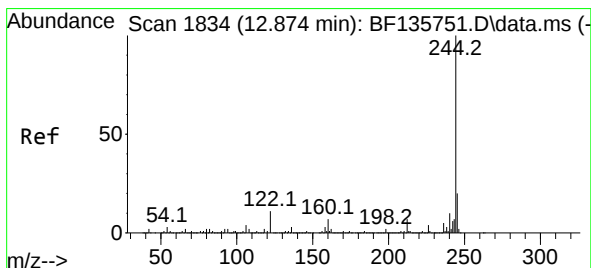
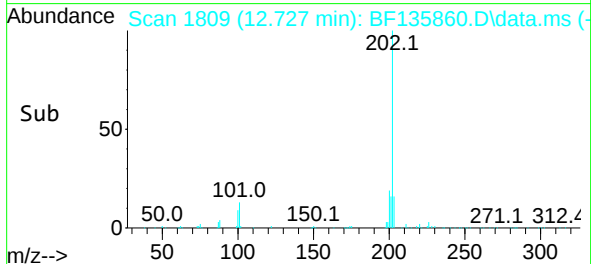
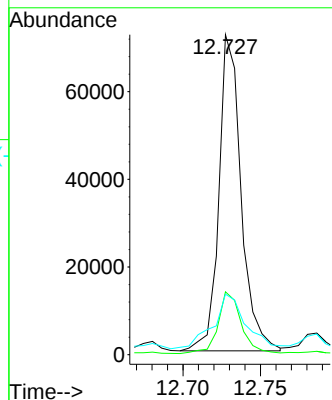
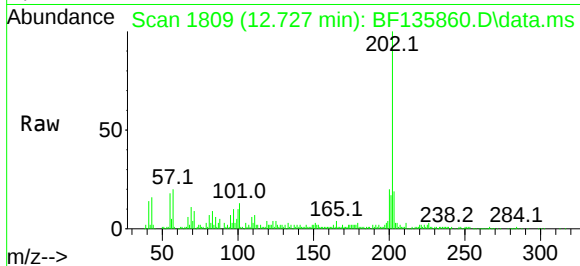
#78
Pyrene
Concen: 5.822 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:202 Resp: 7192
Ion Ratio Lower Upper
202 100
200 19.6 16.1 24.1
203 18.9 14.2 21.2

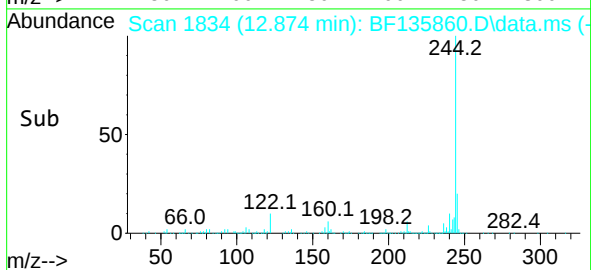
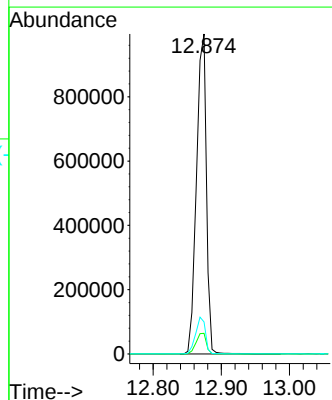
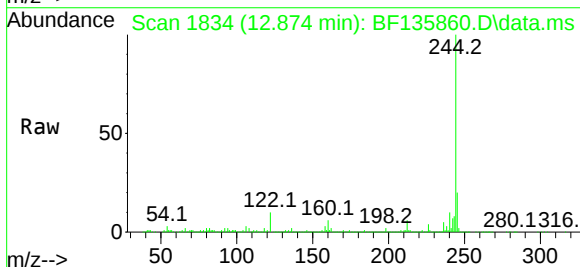
Manual Integrations
APPROVED

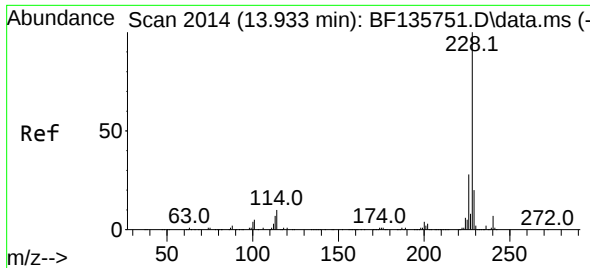
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#79
Terphenyl-d14
Concen: 119.499 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

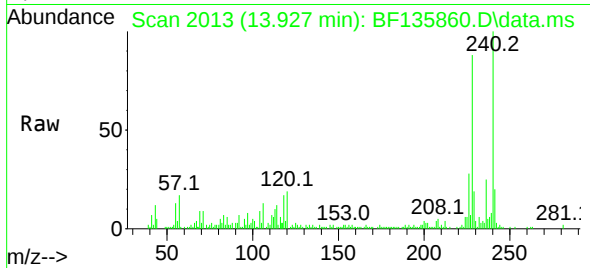
Tgt Ion:244 Resp: 1003079
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.0 9.0 13.6





#81
Benzo(a)anthracene
Concen: 2.062 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

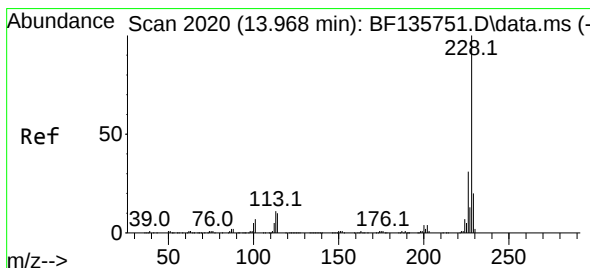
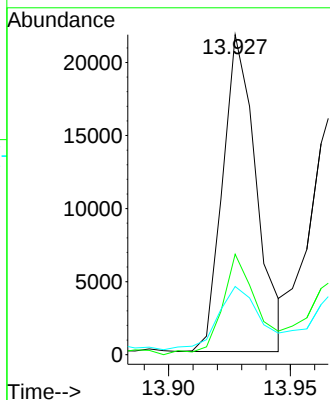
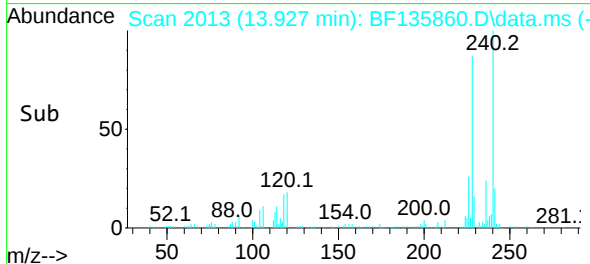
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:228 Resp: 2105
Ion Ratio Lower Upper
228 100
226 31.4 22.2 33.2
229 21.3 16.1 24.1

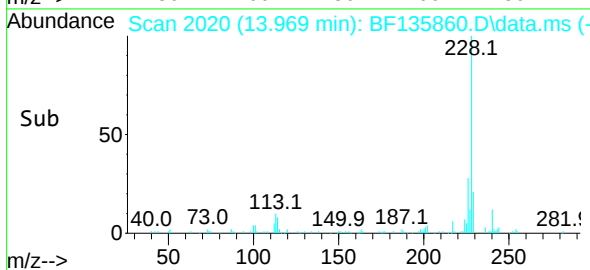
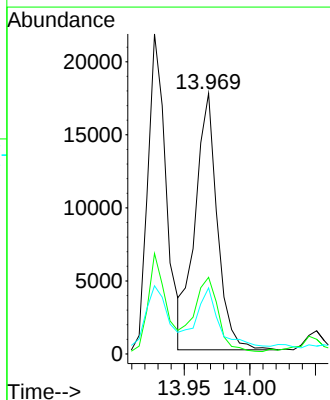
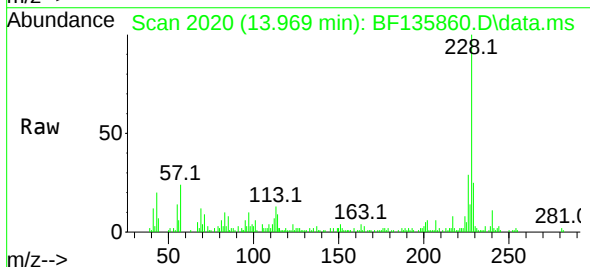
Manual Integrations
APPROVED

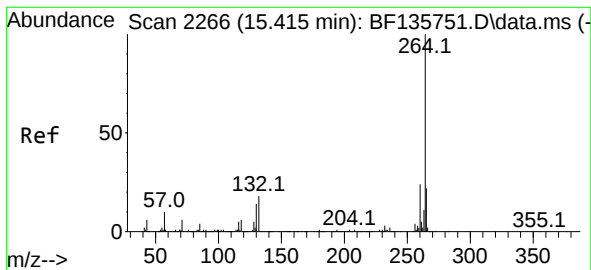
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#83
Chrysene
Concen: 2.091 ng m
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:228 Resp: 20684
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 25.3 15.7 23.5#





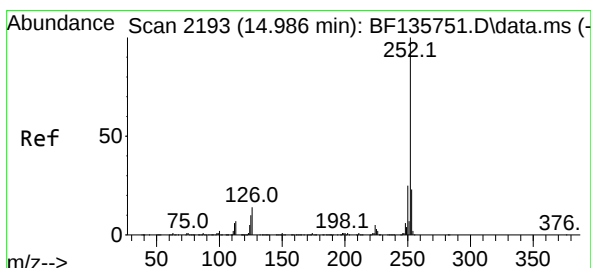
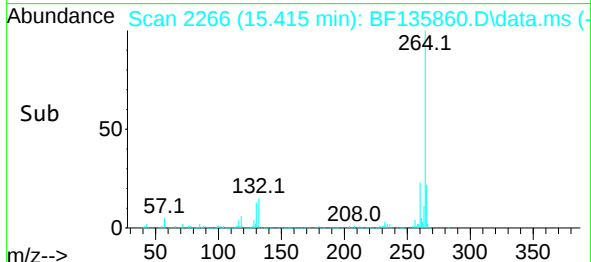
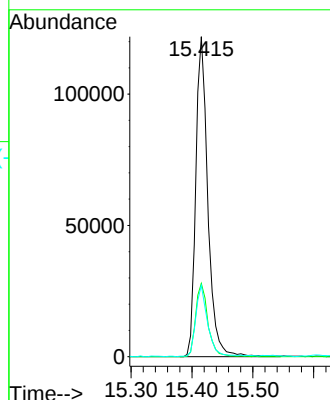
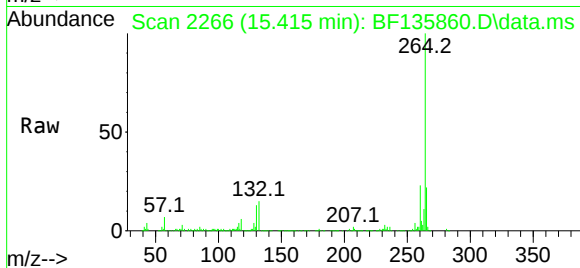
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Instrument :
BNA_F
ClientSampleId :
WASTE

Tgt Ion:264 Resp: 16775
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 22.3 17.4 26.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#88
Benzo(b)fluoranthene
Concen: 2.017 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135860.D
Acq: 18 Oct 2023 21:56

Tgt Ion:252 Resp: 18937
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 12.3 8.2 12.2#

