

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
 Data File : BF138703.D
 Acq On : 31 Jul 2024 15:30
 Operator : RC/JU
 Sample : P3387-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-Full Waste Class

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
 Supervised By :mohammad ahmed 08/03/2024

Quant Time: Jul 31 15:59:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	44556	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	158716	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	79114	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	148733	20.000	ng	0.00
76) Chrysene-d12	14.004	240	133422	20.000	ng	0.00
86) Perylene-d12	15.469	264	98514	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	216270	74.927	ng	0.00
7) Phenol-d6	6.481	99	281340	72.598	ng	0.00
23) Nitrobenzene-d5	7.404	82	181802	56.003	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	58688	90.561	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	314483	59.725	ng	0.00
79) Terphenyl-d14	12.951	244	427060	53.590	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	69943	9.133	ng	100
72) Anthracene	11.439	178	16171	2.143	ng	97
75) Fluoranthene	12.580	202	212081	29.663	ng	98
78) Pyrene	12.810	202	186656	14.859	ng	100
81) Benzo(a)anthracene	13.998	228	116958	12.730	ng	95
83) Chrysene	14.033	228	92666	11.179	ng	96
87) Indeno(1,2,3-cd)pyrene	16.933	276	39137	5.544	ng	# 94
88) Benzo(b)fluoranthene	15.045	252	107024m	17.525	ng	
89) Benzo(k)fluoranthene	15.057	252	50030m	9.462	ng	
90) Benzo(a)pyrene	15.410	252	69765	13.581	ng	99
92) Benzo(g,h,i)perylene	17.380	276	40184	6.682	ng	98

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

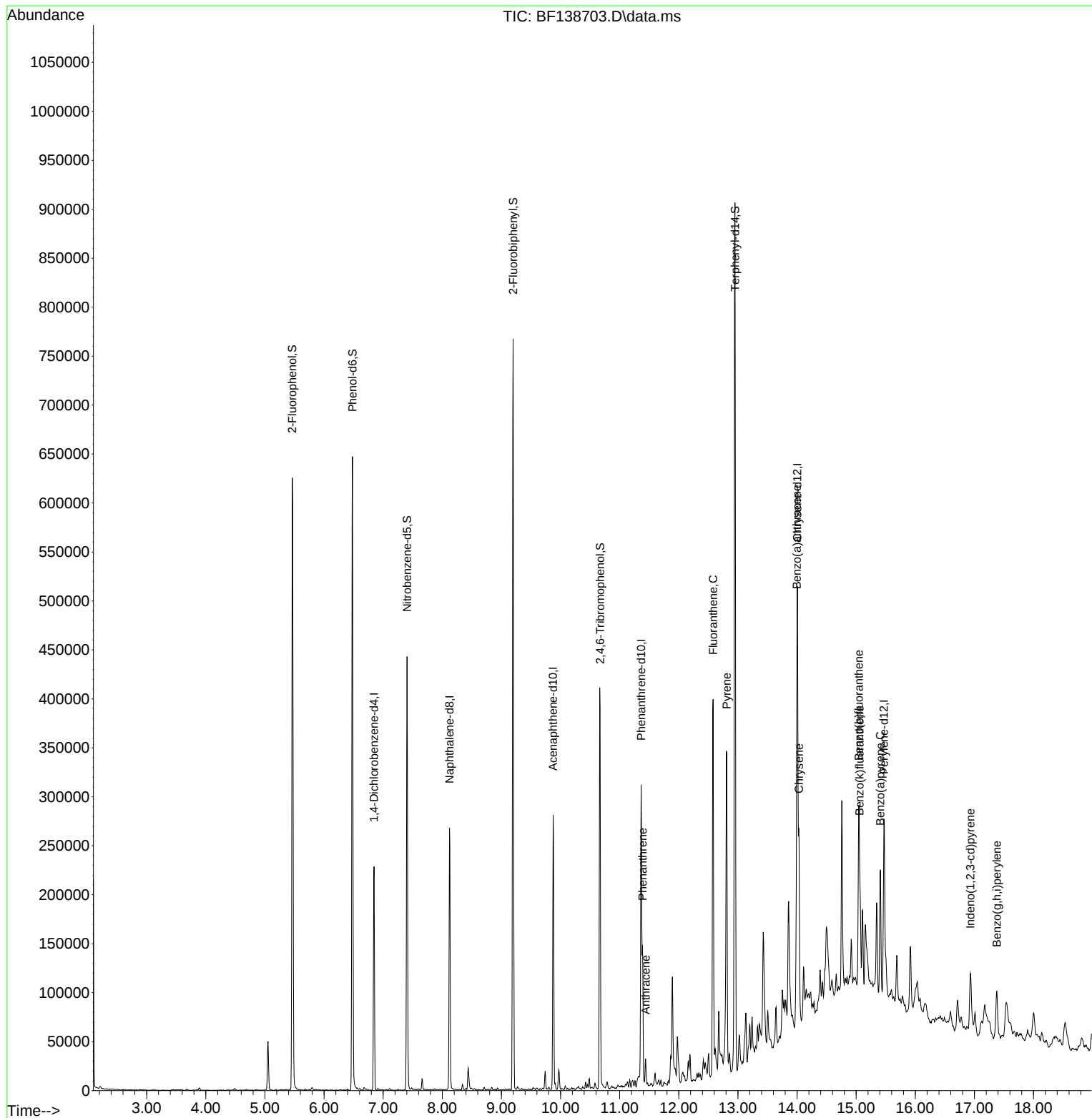
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073124\
Data File : BF138703.D
Acq On : 31 Jul 2024 15:30
Operator : RC/JU
Sample : P3387-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

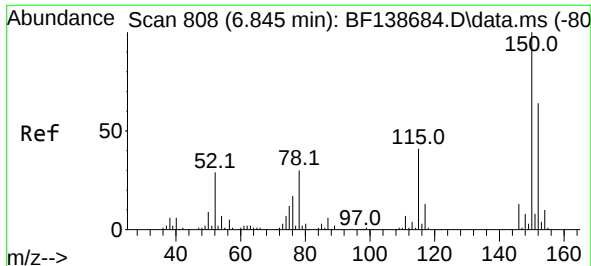
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

Quant Time: Jul 31 15:59:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

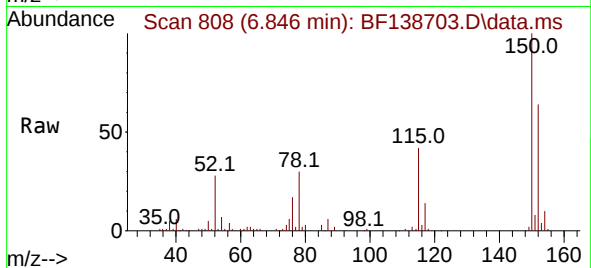
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

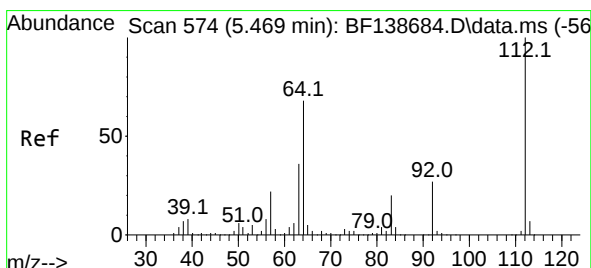
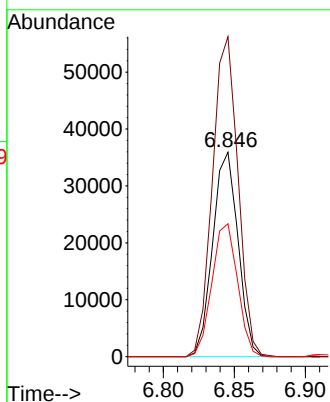
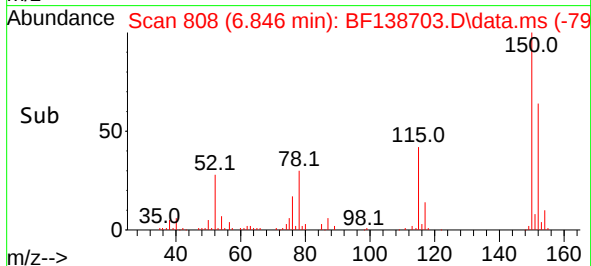
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class



Tgt Ion:152 Resp: 44550
Ion Ratio Lower Upper
152 100
150 156.5 126.0 189.0
115 65.0 51.7 77.5

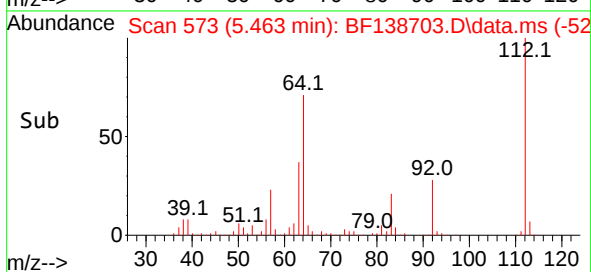
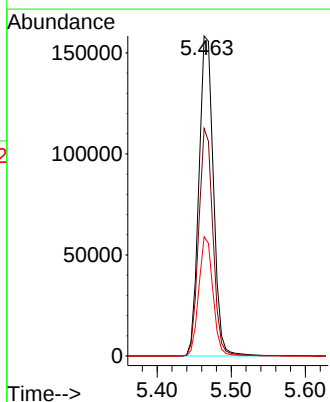
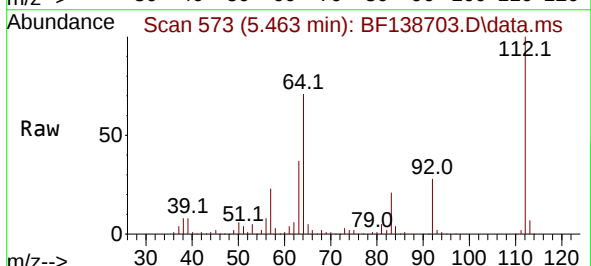
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#5
2-Fluorophenol
Concen: 74.927 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

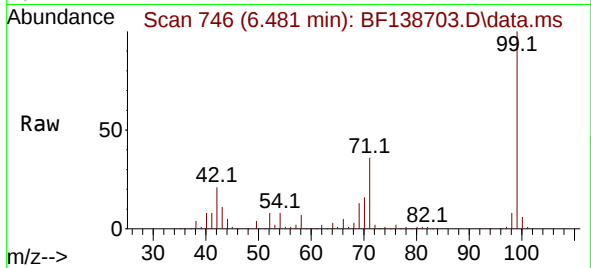
Tgt Ion:112 Resp: 216270
Ion Ratio Lower Upper
112 100
64 71.1 54.2 81.4
63 37.2 28.7 43.1





#7
Phenol-d6
Concen: 72.598 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

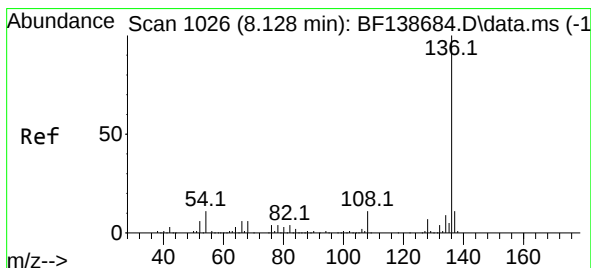
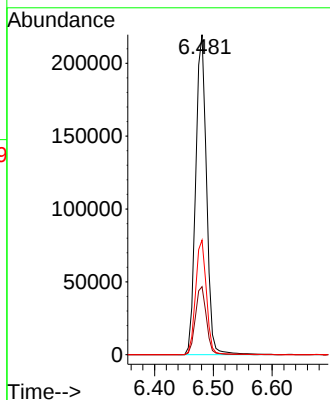
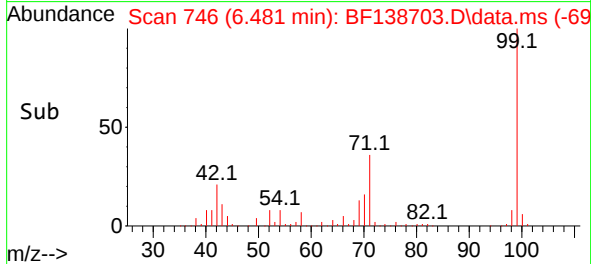
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class



Tgt Ion: 99 Resp: 281340
Ion Ratio Lower Upper
99 100
42 21.3 17.4 26.0
71 35.8 28.1 42.1

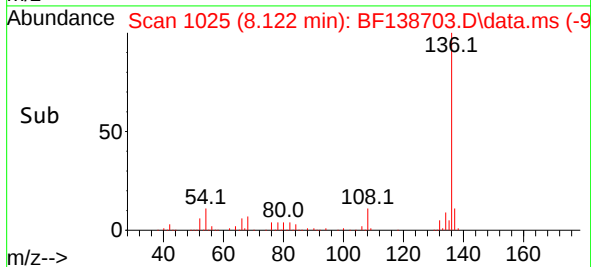
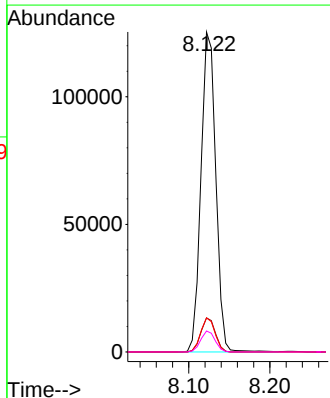
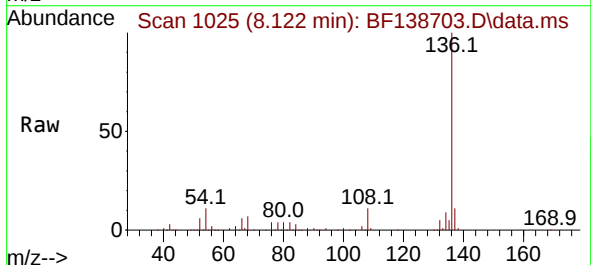
Manual Integrations
APPROVED

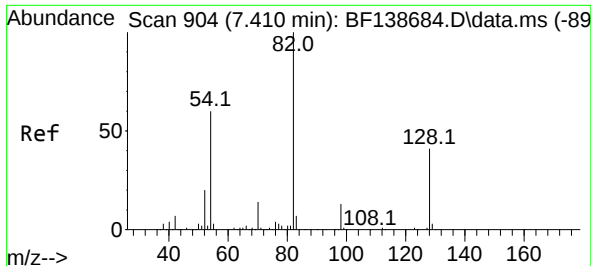
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

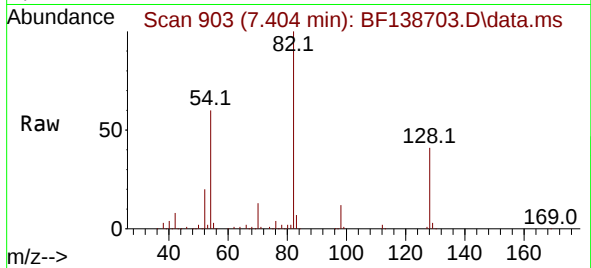
Tgt Ion:136 Resp: 158716
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 10.7 8.6 12.8
68 6.6 4.8 7.2





#23
Nitrobenzene-d5
Concen: 56.003 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

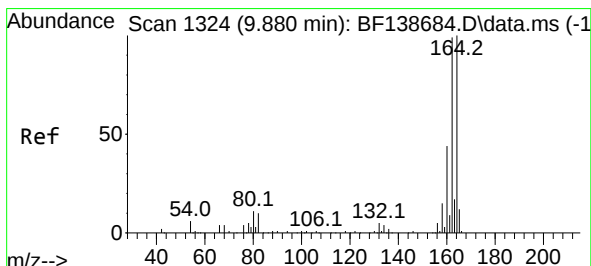
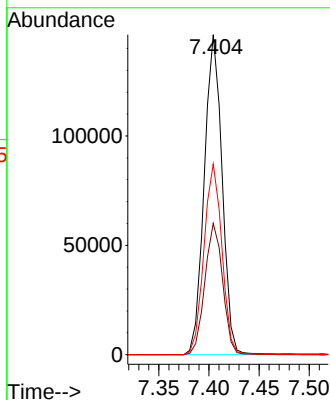
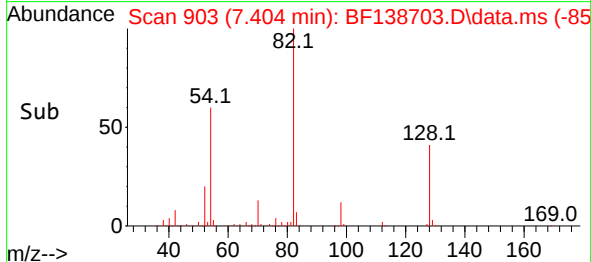
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class



Tgt Ion: 82 Resp: 18180
Ion Ratio Lower Upper
82 100
128 41.0 32.8 49.2
54 59.6 48.3 72.5

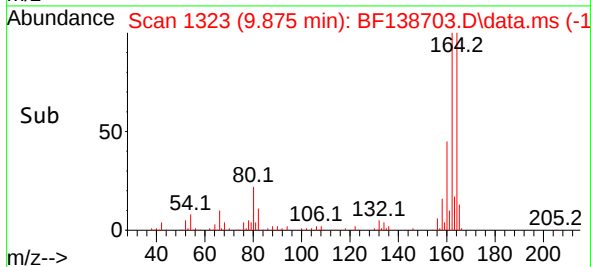
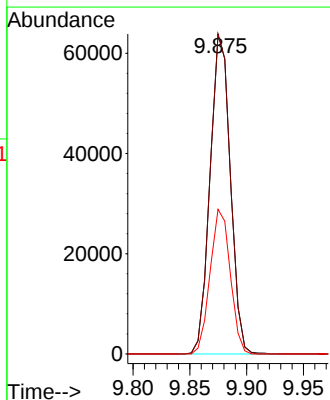
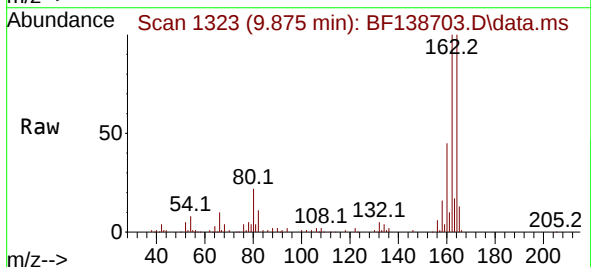
Manual Integrations
APPROVED

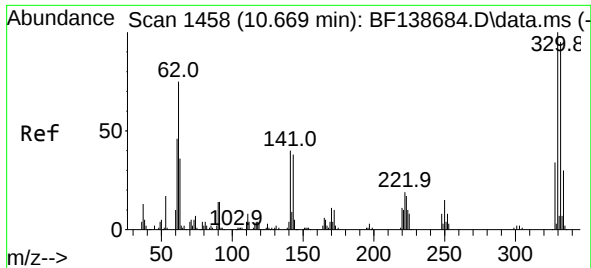
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

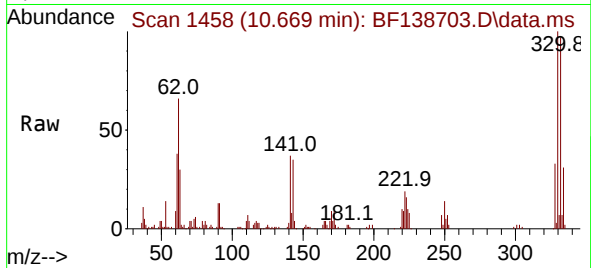
Tgt Ion:164 Resp: 79114
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 45.3 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 90.561 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

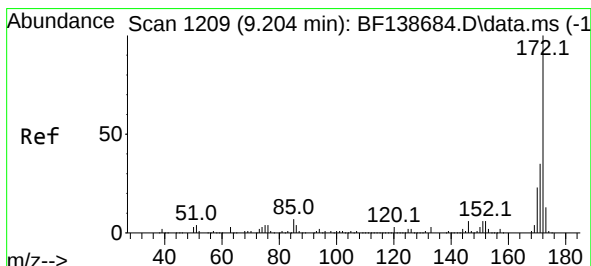
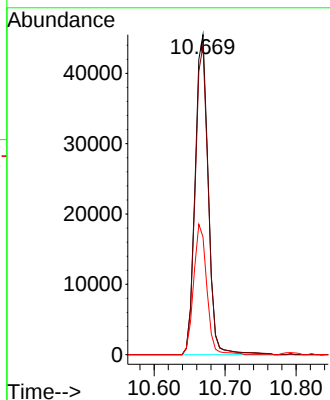
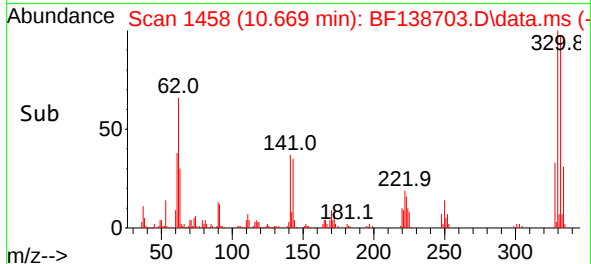
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class



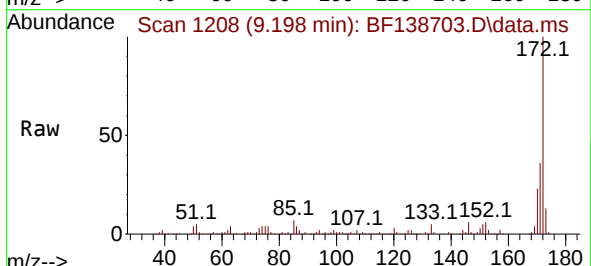
Tgt Ion:330 Resp: 58688
Ion Ratio Lower Upper
330 100
332 95.7 76.4 114.6
141 40.7 31.1 46.7

Manual Integrations
APPROVED

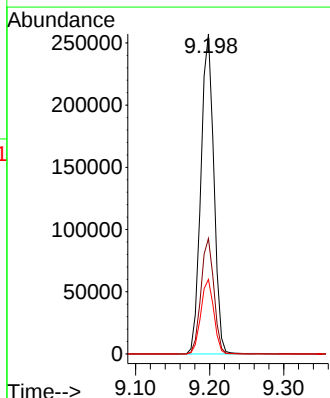
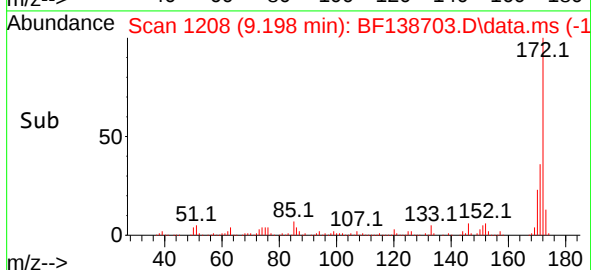
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024

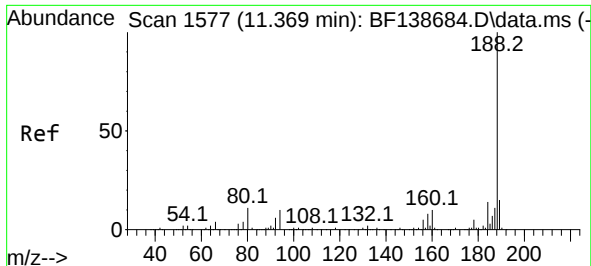


#45
2-Fluorobiphenyl
Concen: 59.725 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30



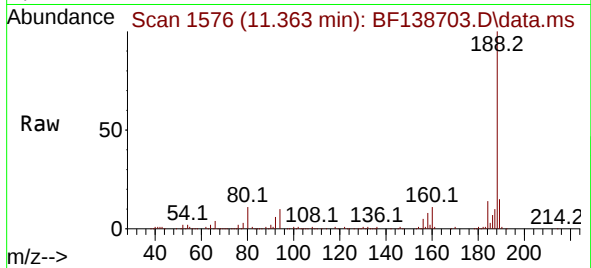
Tgt Ion:172 Resp: 314483
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.3 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

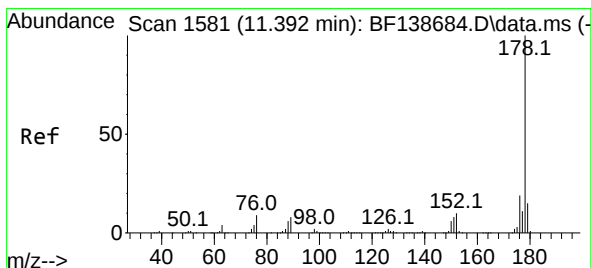
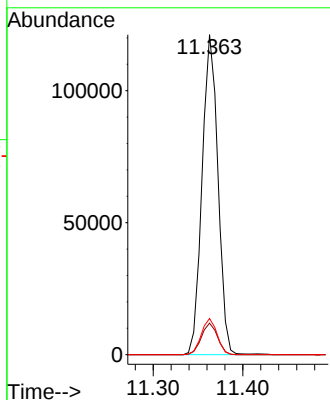
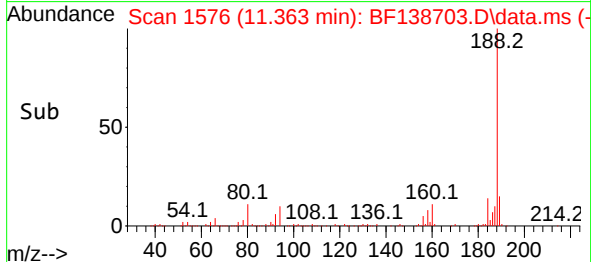
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class



Tgt Ion:188 Resp: 14873
Ion Ratio Lower Upper
188 100
94 9.8 7.6 11.4
80 11.3 8.6 12.8

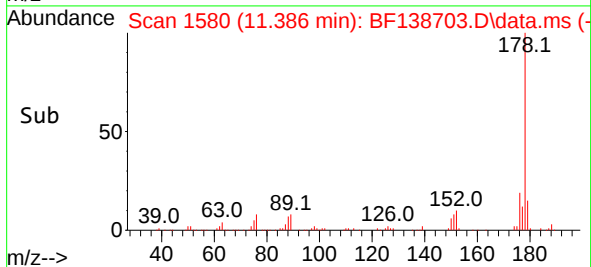
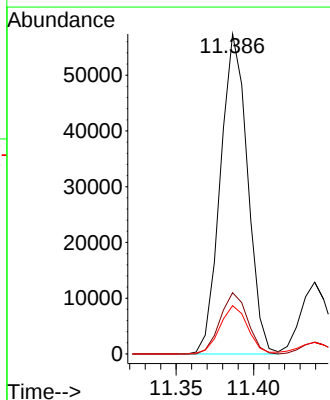
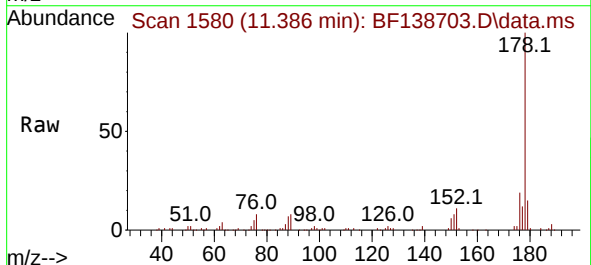
Manual Integrations
APPROVED

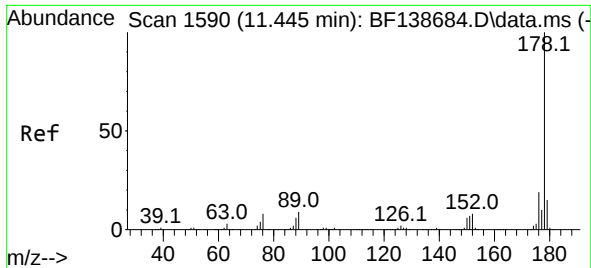
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#71
Phenanthrene
Concen: 9.133 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:178 Resp: 69943
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.1 12.2 18.2





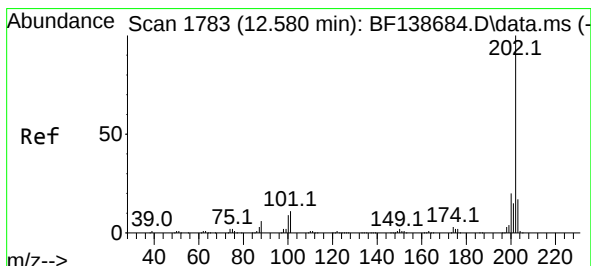
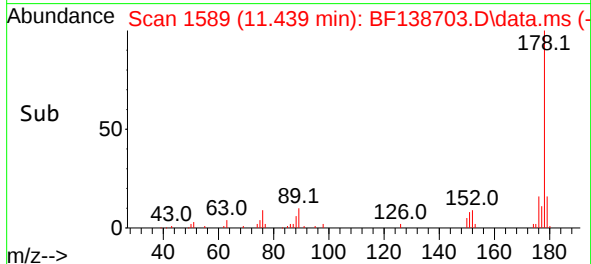
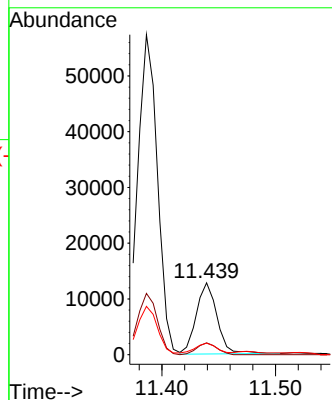
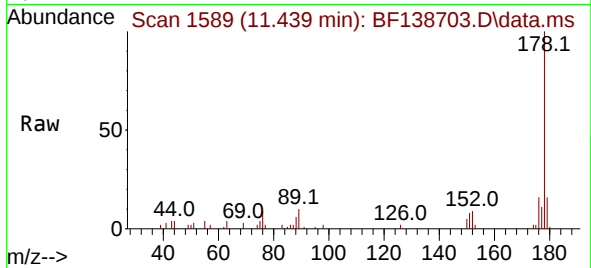
#72
 Anthracene
 Concen: 2.143 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF138703.D
 Acq: 31 Jul 2024 15:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-Full Waste Class

Tgt Ion:178 Resp: 1617
 Ion Ratio Lower Upper
 178 100
 176 16.5 14.9 22.3
 179 16.0 12.4 18.6

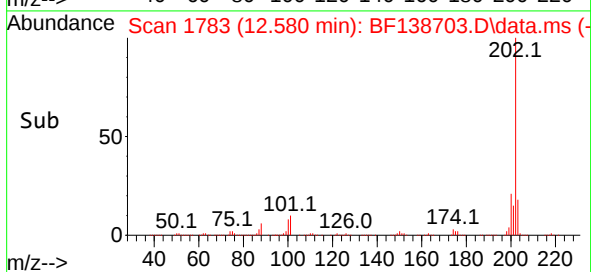
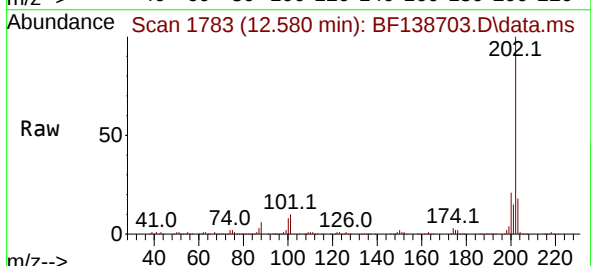
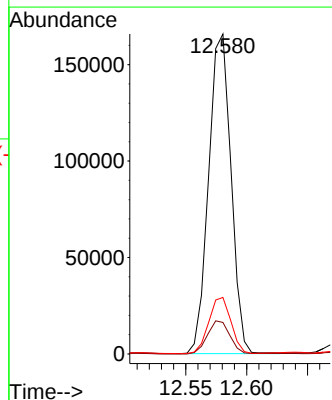
Manual Integrations
 APPROVED

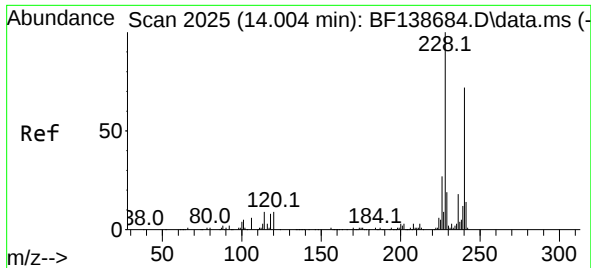
Reviewed By :Jagrut Upadhyay 08/01/2024
 Supervised By :mohammad ahmed 08/03/2024



#75
 Fluoranthene
 Concen: 29.663 ng
 RT: 12.580 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BF138703.D
 Acq: 31 Jul 2024 15:30

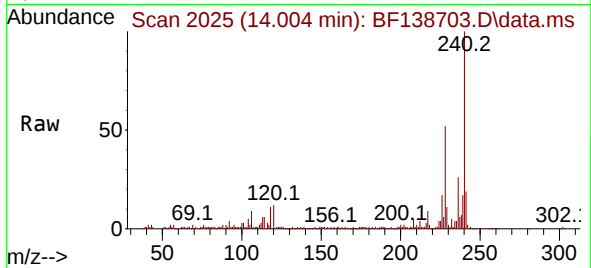
Tgt Ion:202 Resp: 212081
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.2
 203 17.6 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

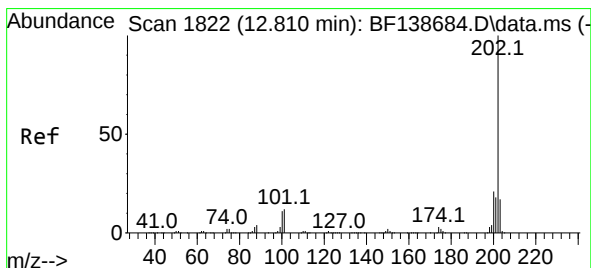
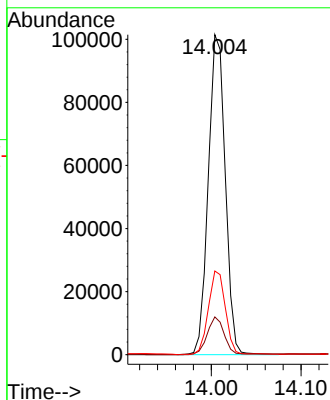
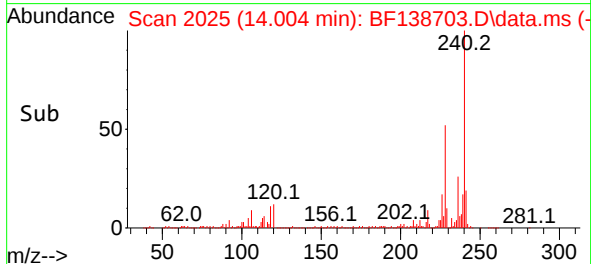
Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class



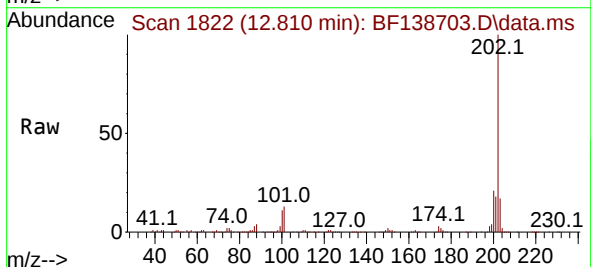
Tgt Ion:240 Resp: 13342
Ion Ratio Lower Upper
240 100
120 11.8 10.2 15.4
236 26.2 19.8 29.8

Manual Integrations
APPROVED

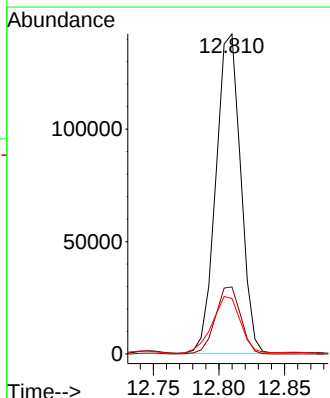
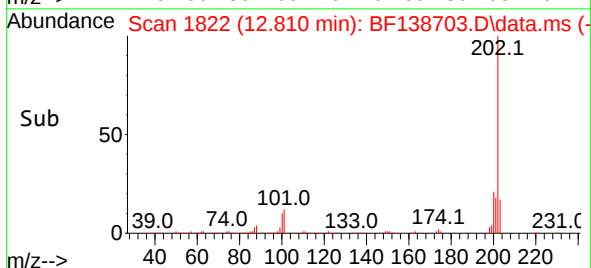
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024

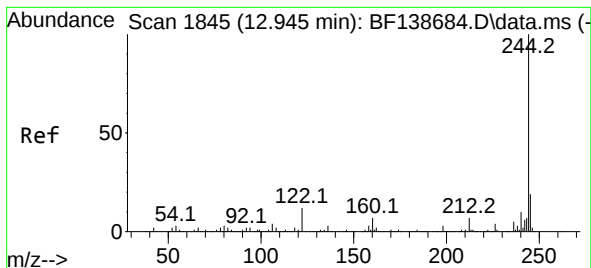


#78
Pyrene
Concen: 14.859 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30



Tgt Ion:202 Resp: 186656
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.4 13.8 20.6





#79

Terphenyl-d14

Concen: 53.590 ng

RT: 12.951 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

WC-9-Full Waste Class

Tgt Ion:244 Resp: 427060

Ion Ratio Lower Upper

244 100

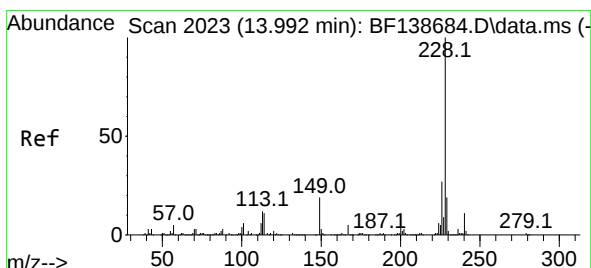
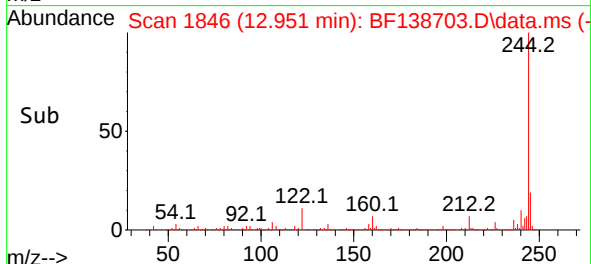
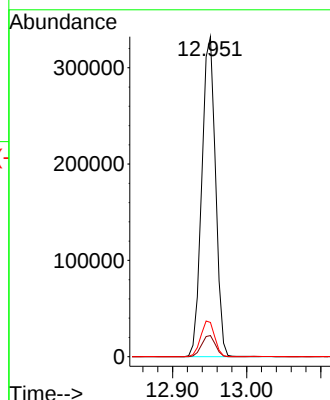
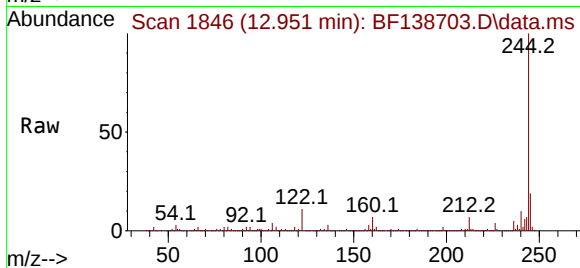
212 6.6 5.4 8.2

122 10.7 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#81

Benzo(a)anthracene

Concen: 12.730 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

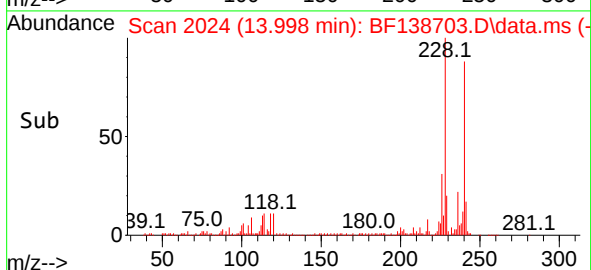
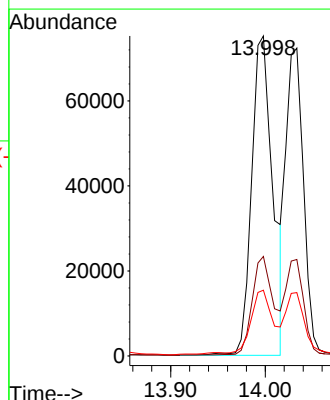
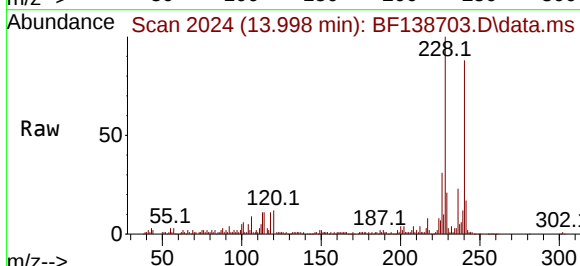
Tgt Ion:228 Resp: 116958

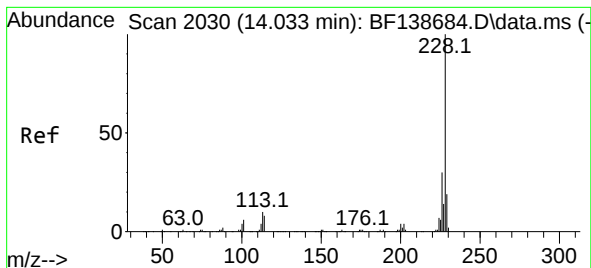
Ion Ratio Lower Upper

228 100

226 31.1 22.1 33.1

229 20.5 15.4 23.0





#83

Chrysene

Concen: 11.179 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

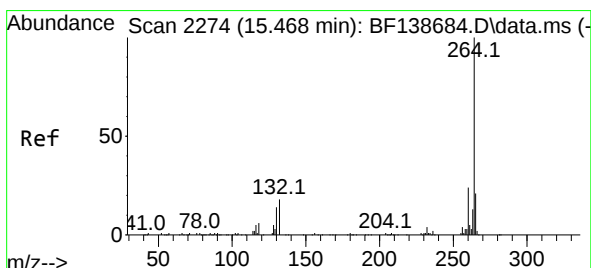
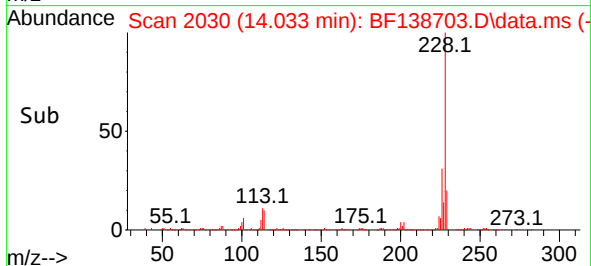
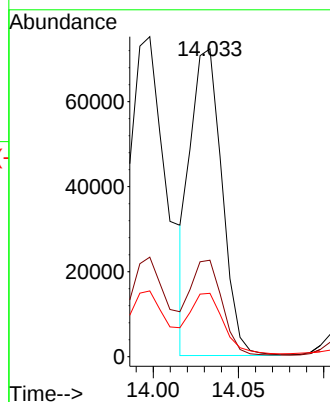
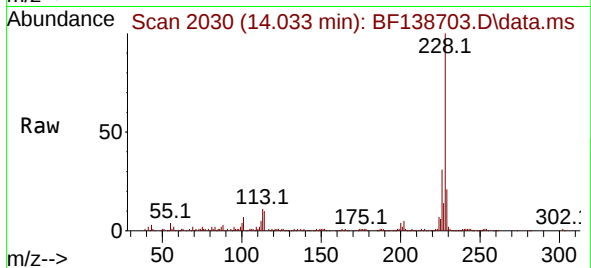
WC-9-Full Waste Class

Tgt Ion:	228	Resp:	9266
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.7	35.5
229	20.6	15.0	22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#86

Perylene-d12

Concen: 20.000 ng

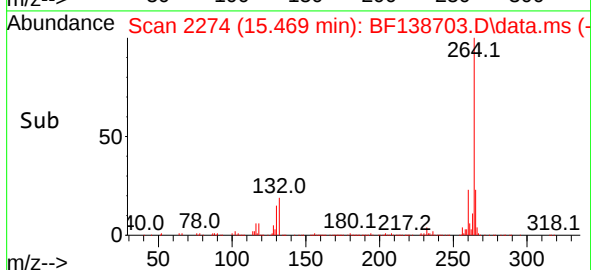
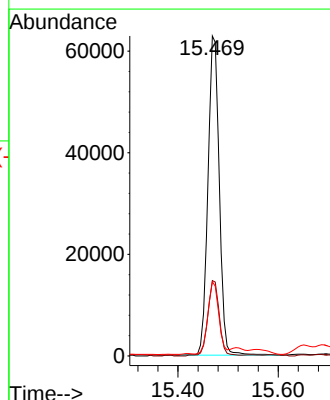
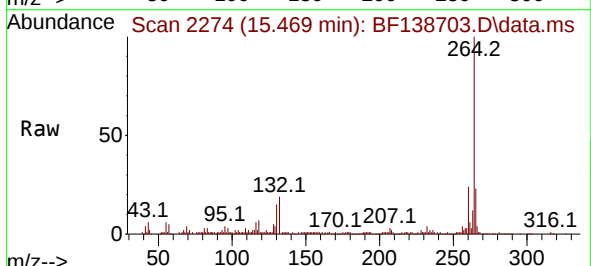
RT: 15.469 min Scan# 2274

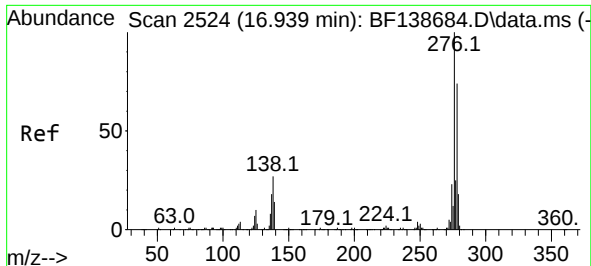
Delta R.T. 0.000 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Tgt Ion:	264	Resp:	98514
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.0	28.6
265	23.2	17.0	25.6





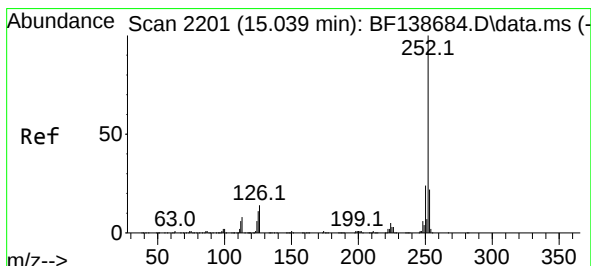
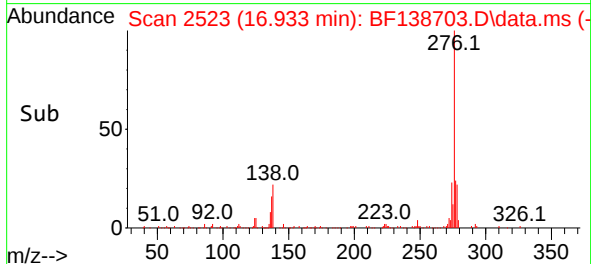
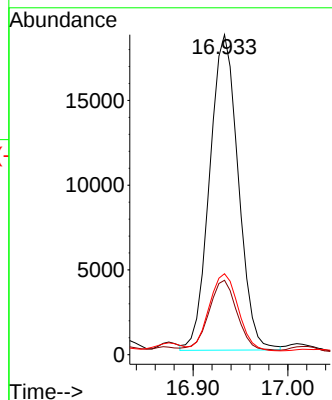
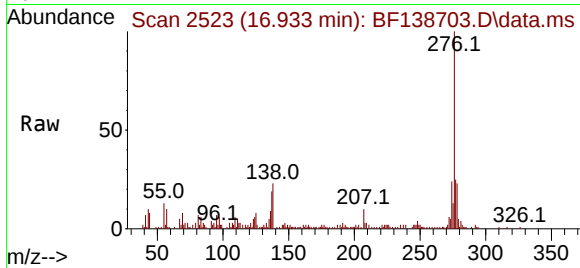
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.544 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Instrument :
BNA_F
ClientSampleId :
WC-9-Full Waste Class

Tgt Ion:276 Resp: 3913
Ion Ratio Lower Upper
276 100
138 21.7 21.8 32.8
277 24.8 20.6 30.8

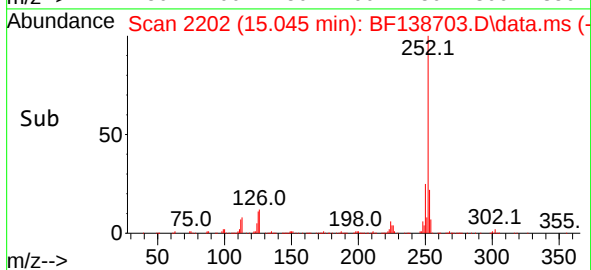
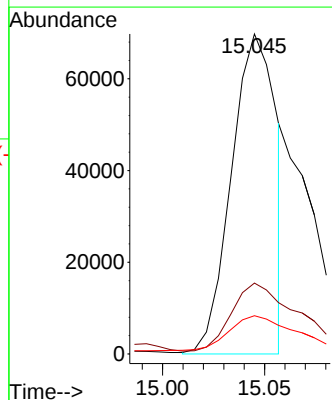
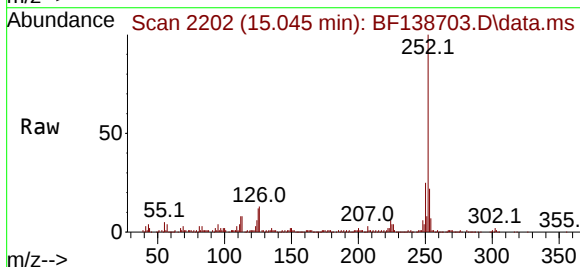
Manual Integrations
APPROVED

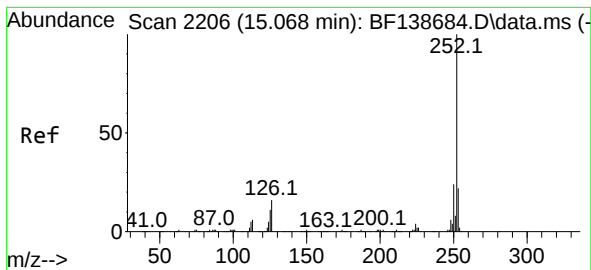
Reviewed By :Jagrut Upadhyay 08/01/2024
Supervised By :mohammad ahmed 08/03/2024



#88
Benzo(b)fluoranthene
Concen: 17.525 ng m
RT: 15.045 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF138703.D
Acq: 31 Jul 2024 15:30

Tgt Ion:252 Resp: 107024
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 12.0 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 9.462 ng m

RT: 15.057 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Instrument :

BNA_F

ClientSampleId :

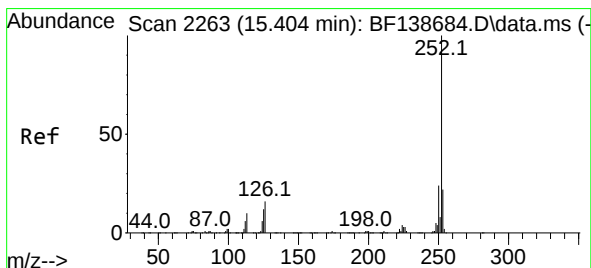
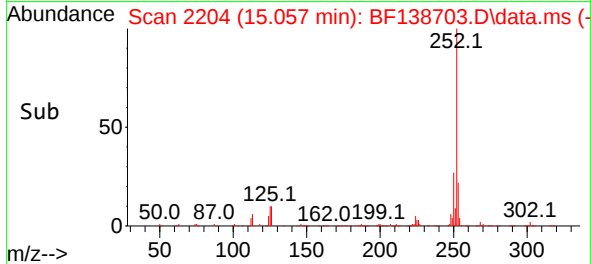
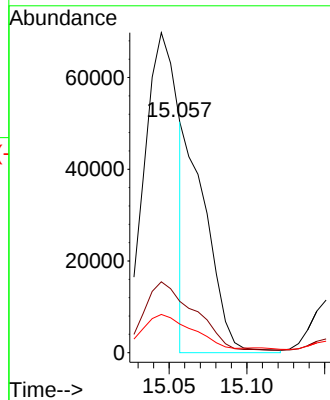
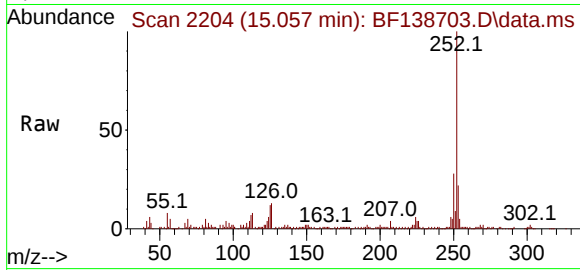
WC-9-Full Waste Class

Tgt Ion:252 Resp: 50030
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.4 26.0
 125 12.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
 Supervised By :mohammad ahmed 08/03/2024



#90

Benzo(a)pyrene

Concen: 13.581 ng

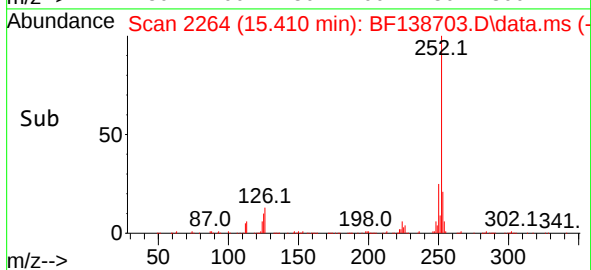
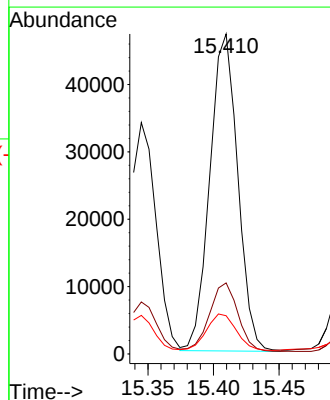
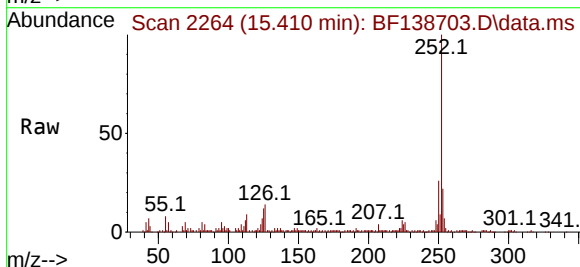
RT: 15.410 min Scan# 2264

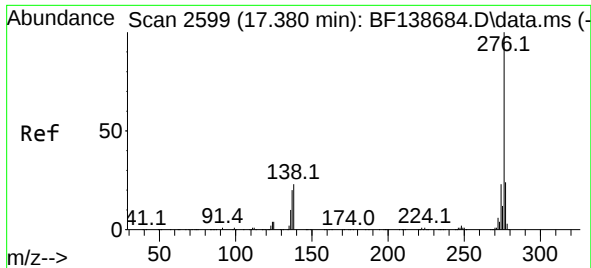
Delta R.T. 0.006 min

Lab File: BF138703.D

Acq: 31 Jul 2024 15:30

Tgt Ion:252 Resp: 69765
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.3 25.9
 125 12.0 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 6.682 ng
 RT: 17.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF138703.D
 Acq: 31 Jul 2024 15:30

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-Full Waste Class

Tgt Ion:	276	Resp:	40184
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.0	28.4
138	24.5	18.5	27.7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/01/2024
 Supervised By :mohammad ahmed 08/03/2024

