

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133611.D
 Acq On : 07 Jun 2023 03:12
 Operator : CG\JU
 Sample : 03015-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC9-(12-17)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 07 04:29:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	135776	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	492940	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	204354	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	337881	20.000	ng	0.00
76) Chrysene-d12	14.010	240	167856	20.000	ng	0.00
86) Perylene-d12	15.474	264	147374	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	664766	81.689	ng	0.00
7) Phenol-d6	6.463	99	803812	80.239	ng	0.00
23) Nitrobenzene-d5	7.398	82	494266	66.948	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	170571	83.735	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	898528	67.864	ng	0.00
79) Terphenyl-d14	12.957	244	756686	80.151	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	195656	11.433	ng	100
72) Anthracene	11.439	178	49836	2.830	ng	98
75) Fluoranthene	12.580	202	382696	20.245	ng	98
78) Pyrene	12.810	202	354913	24.847	ng	98
81) Benzo(a)anthracene	13.998	228	145049	12.972	ng	97
83) Chrysene	14.033	228	123936	10.979	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	55427	5.904	ng	# 92
88) Benzo(b)fluoranthene	15.045	252	140016m	14.590	ng	
89) Benzo(k)fluoranthene	15.074	252	54134m	5.785	ng	
90) Benzo(a)pyrene	15.410	252	104003	11.910	ng	98
92) Benzo(g,h,i)perylene	17.374	276	51538	6.715	ng	94

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

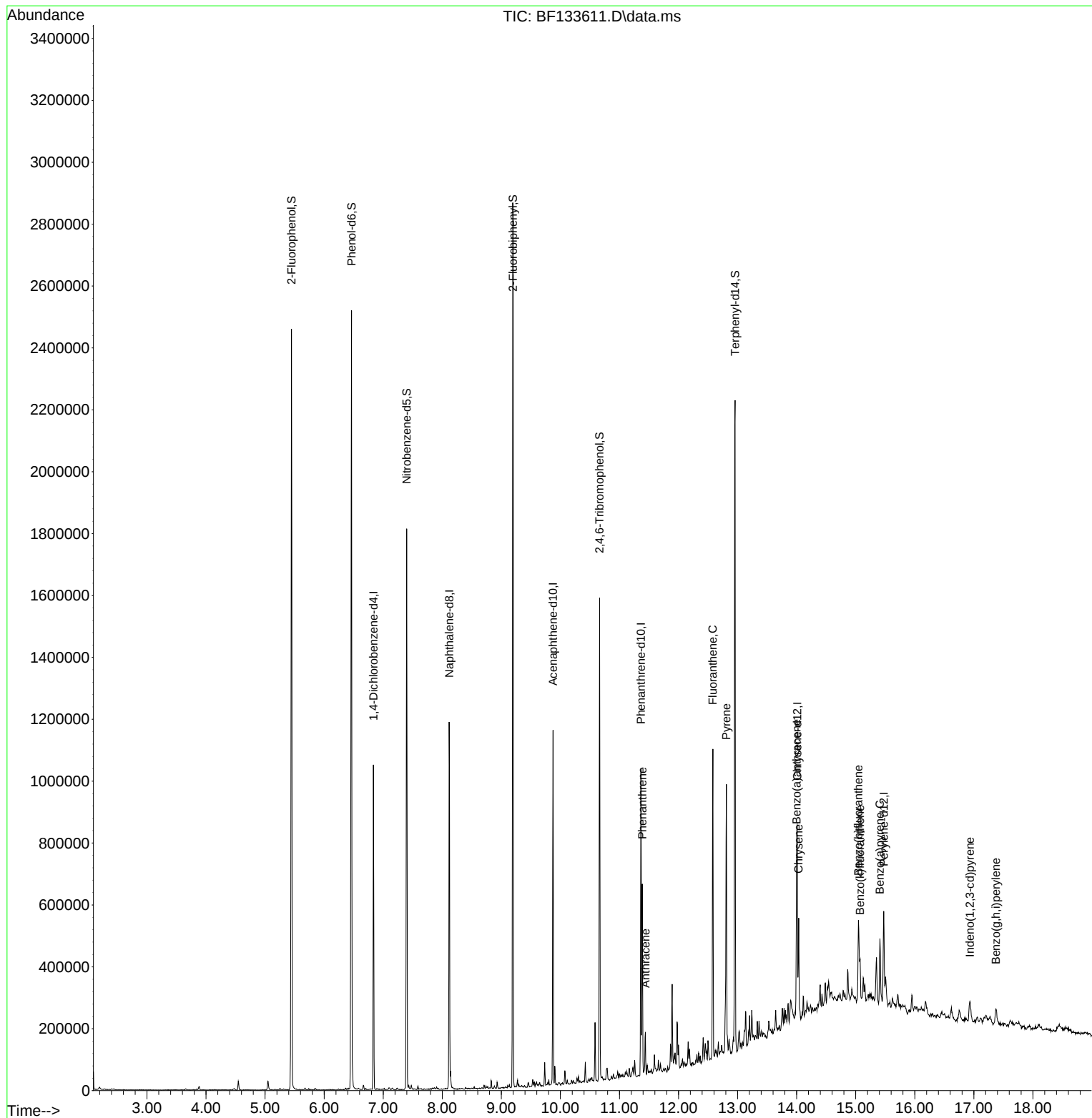
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133611.D
Acq On : 07 Jun 2023 03:12
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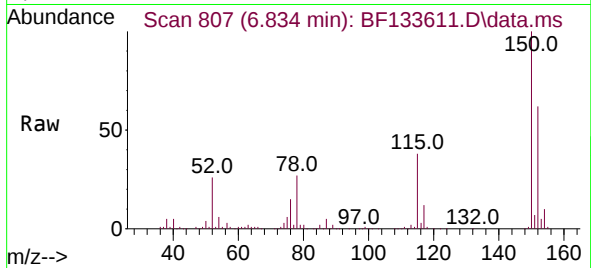
Quant Time: Jun 07 04:29:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

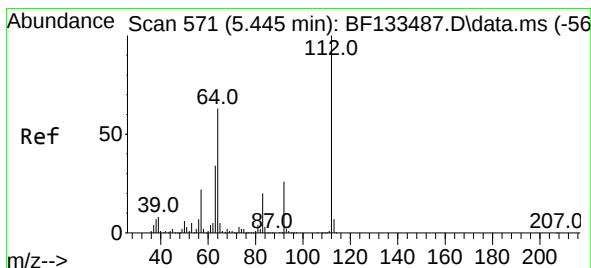
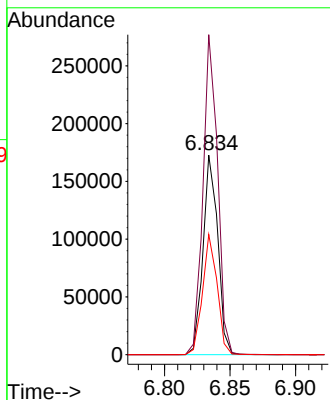
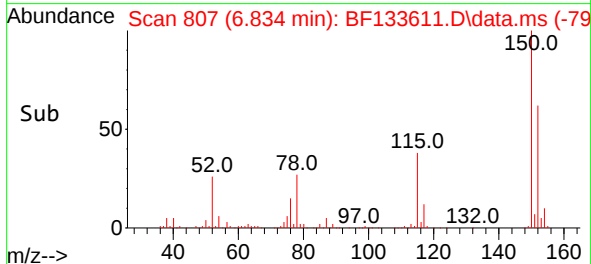
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)



Tgt Ion:152 Resp: 135770
Ion Ratio Lower Upper
152 100
150 160.4 124.9 187.3
115 60.3 48.1 72.1

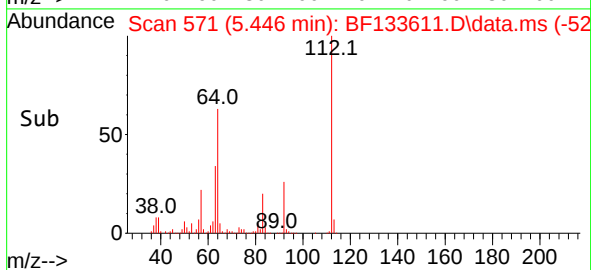
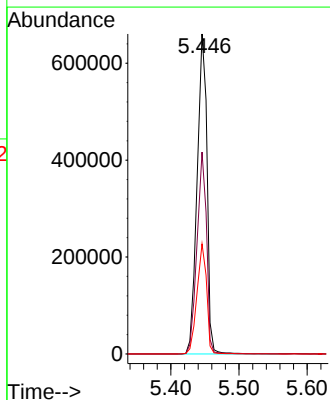
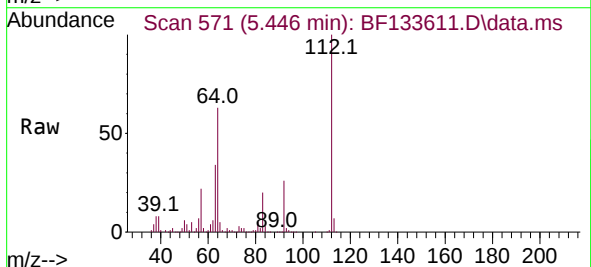
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#5
2-Fluorophenol
Concen: 81.689 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

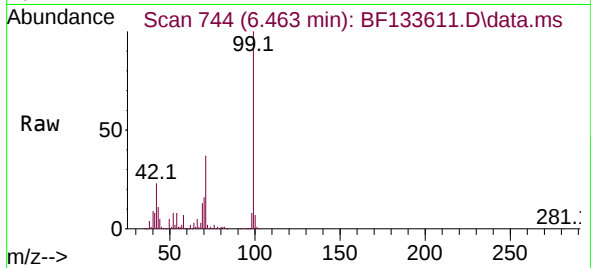
Tgt Ion:112 Resp: 664766
Ion Ratio Lower Upper
112 100
64 63.1 50.1 75.1
63 34.4 27.5 41.3





#7
Phenol-d6
Concen: 80.239 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

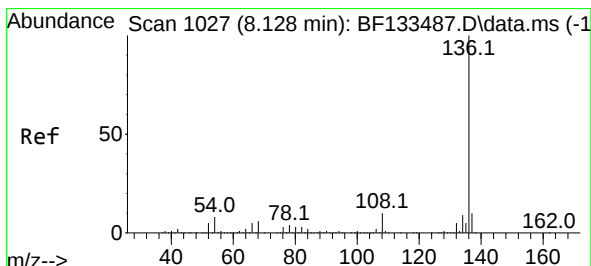
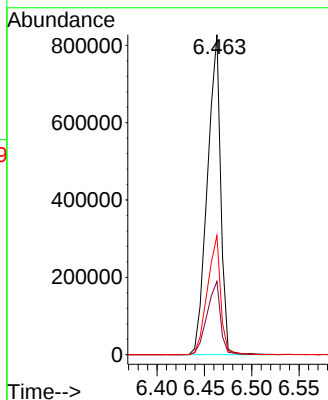
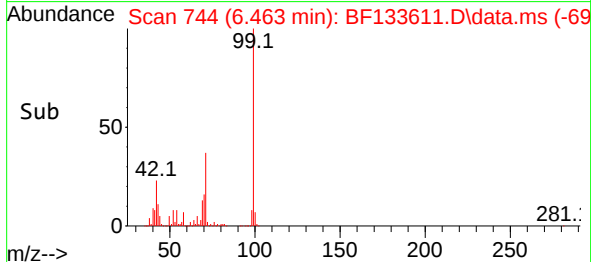
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)



Tgt Ion: 99 Resp: 803812
Ion Ratio Lower Upper
99 100
42 22.9 19.7 29.5
71 37.2 29.8 44.8

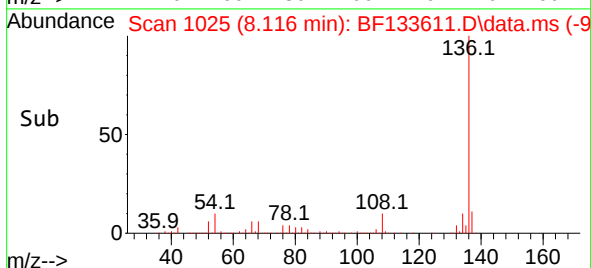
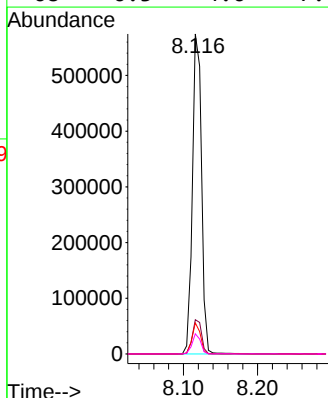
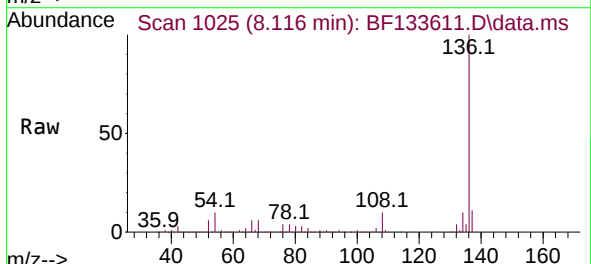
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

Tgt Ion:136 Resp: 492940
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 9.7 6.6 10.0
68 6.3 4.6 7.0





#23

Nitrobenzene-d5

Concen: 66.948 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133611.D

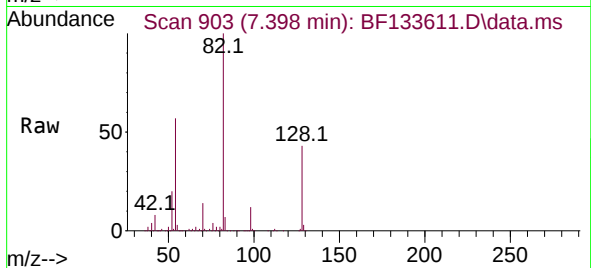
Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)



Tgt Ion: 82 Resp: 494260

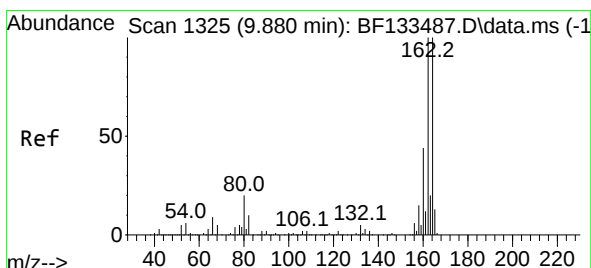
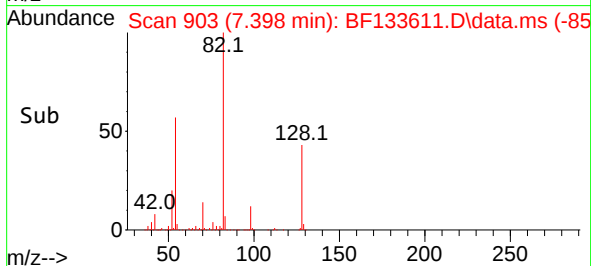
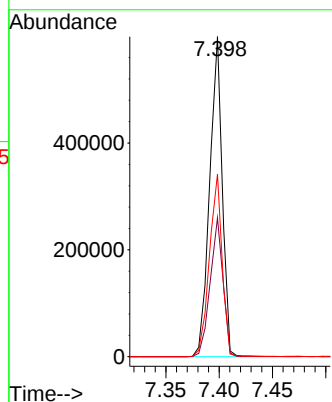
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.2	51.4
54	57.1	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

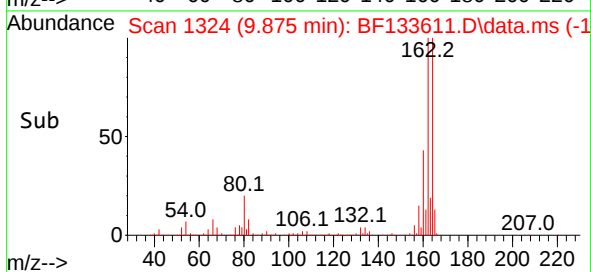
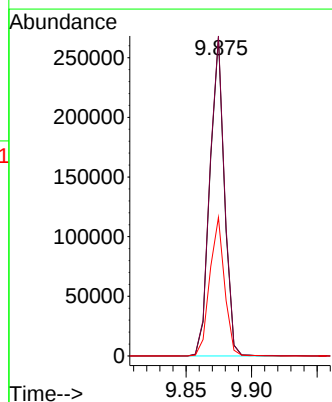
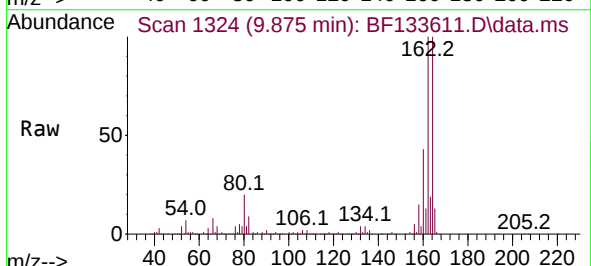
Delta R.T. 0.000 min

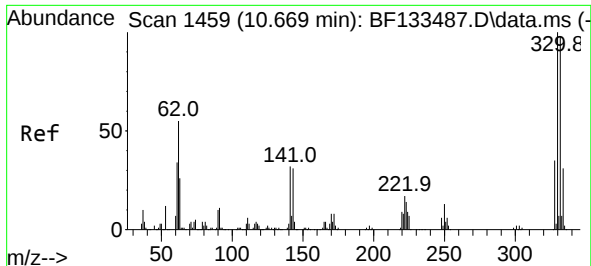
Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Tgt Ion:164 Resp: 204354

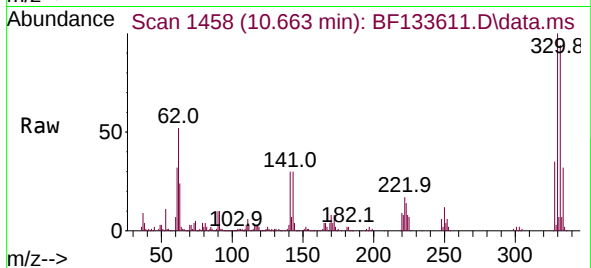
Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.7	119.5
160	43.5	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 83.735 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

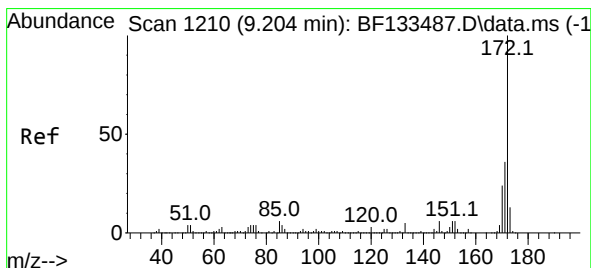
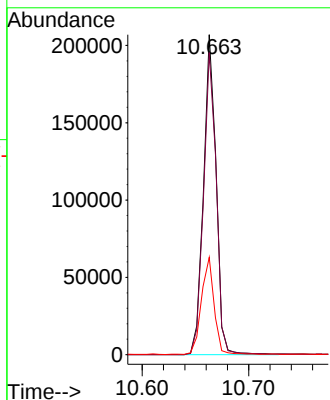
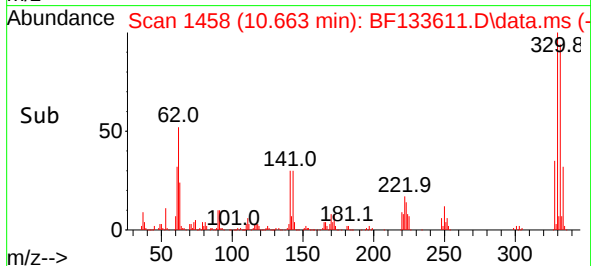
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)



Tgt Ion:330 Resp: 170572
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.6
141 30.7 26.6 40.0

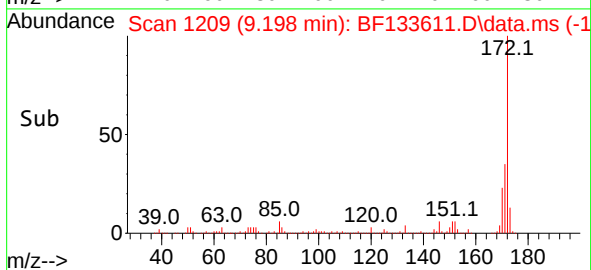
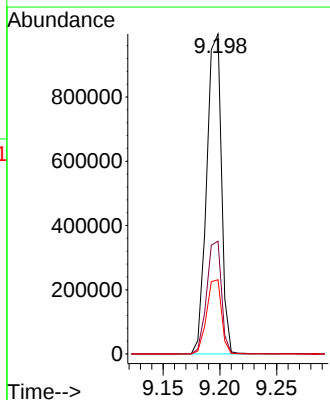
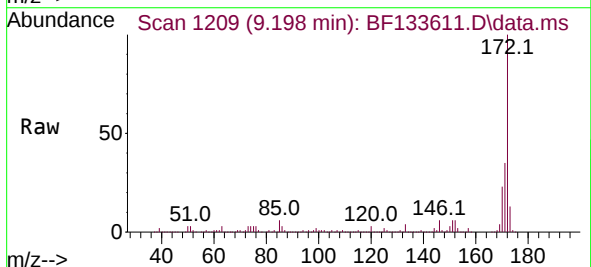
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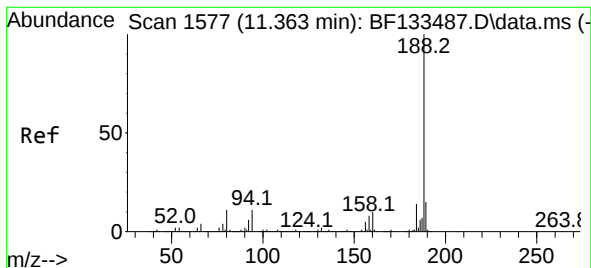
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#45
2-Fluorobiphenyl
Concen: 67.864 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

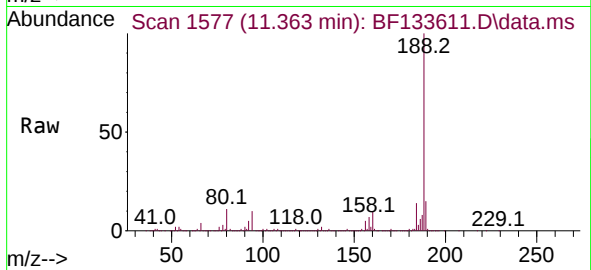
Tgt Ion:172 Resp: 898528
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.2 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12

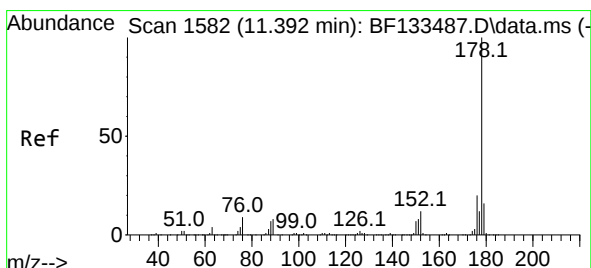
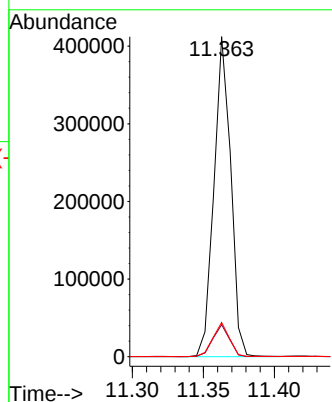
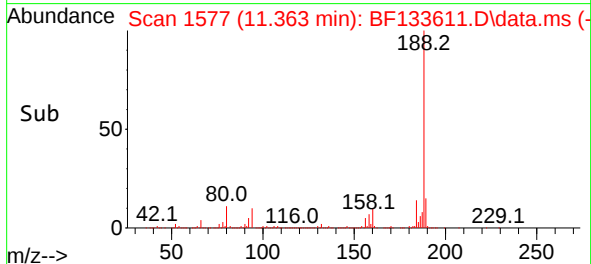
Instrument :
BNA_F
ClientSampleId :
WC9-(12-17)



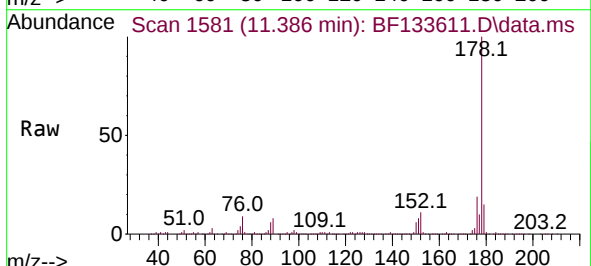
Tgt Ion:188 Resp: 33788
Ion Ratio Lower Upper
188 100
94 10.0 8.6 12.8
80 10.7 9.2 13.8

Manual Integrations
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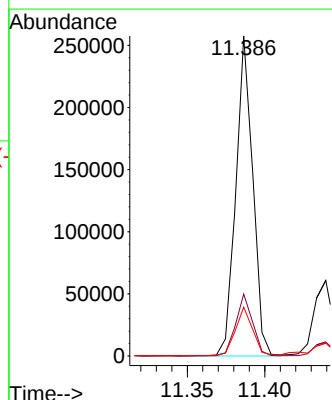
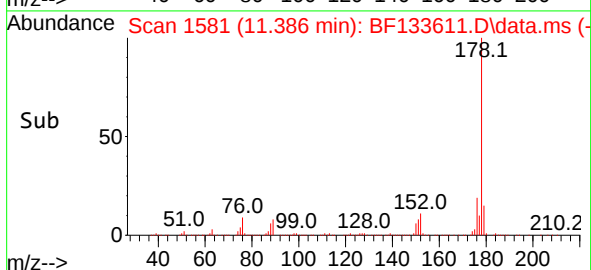
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

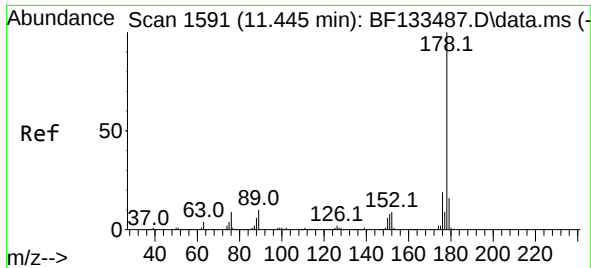


#71
Phenanthrene
Concen: 11.433 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133611.D
Acq: 07 Jun 2023 03:12



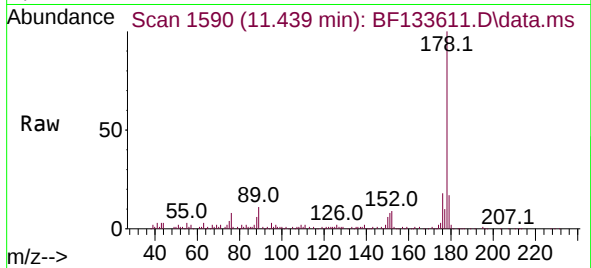
Tgt Ion:178 Resp: 195656
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 2.830 ng
 RT: 11.439 min Scan# 1591
 Delta R.T. 0.000 min
 Lab File: BF133611.D
 Acq: 07 Jun 2023 03:12

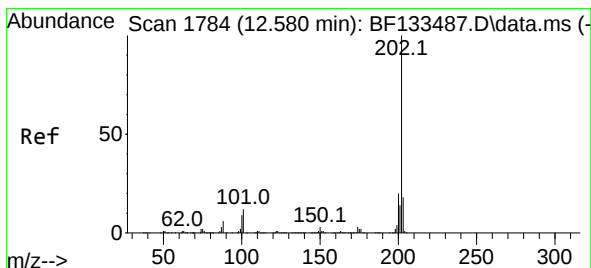
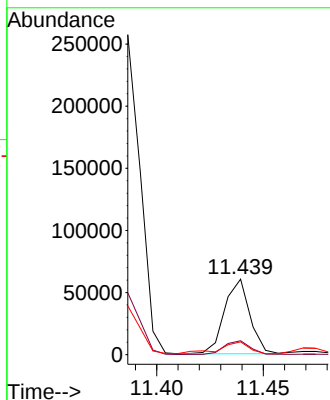
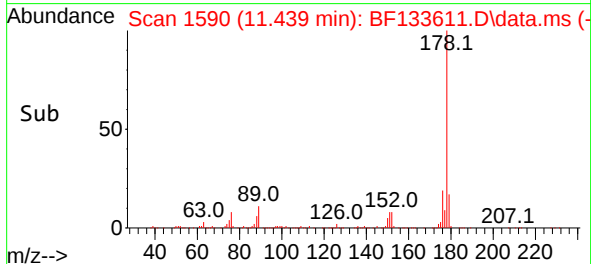
Instrument :
 BNA_F
 ClientSampleId :
 WC9-(12-17)



Tgt Ion:178 Resp: 49830
 Ion Ratio Lower Upper
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 176 18.4 15.3 22.9
 179 17.0 12.6 18.8

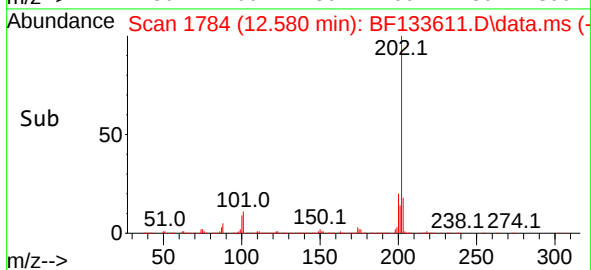
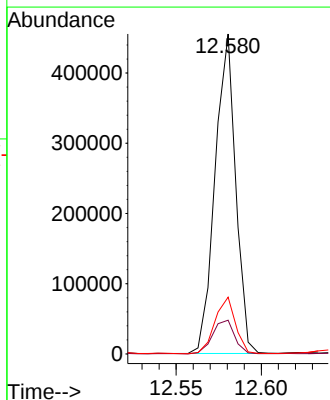
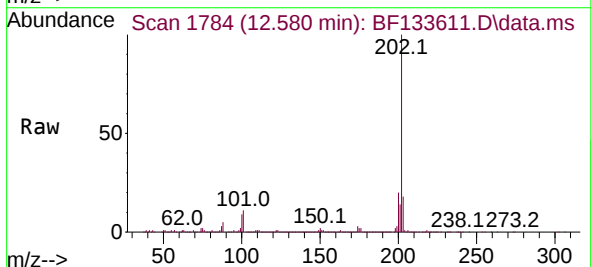
Manual Integrations
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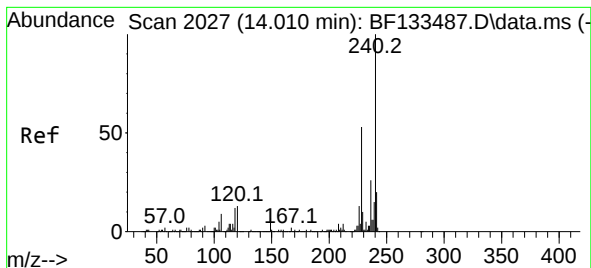
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#75
 Fluoranthene
 Concen: 20.245 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF133611.D
 Acq: 07 Jun 2023 03:12

Tgt Ion:202 Resp: 382696
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 32.2
 203 17.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

Tgt Ion:240 Resp: 167850

Ion Ratio Lower Upper

240 100

120 10.3 10.3 15.5

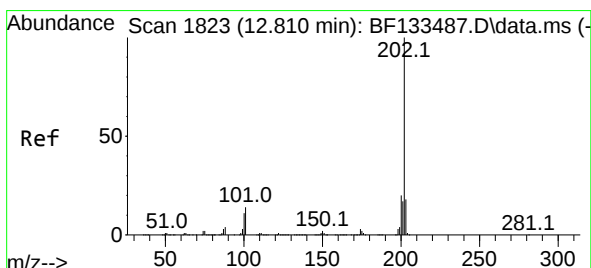
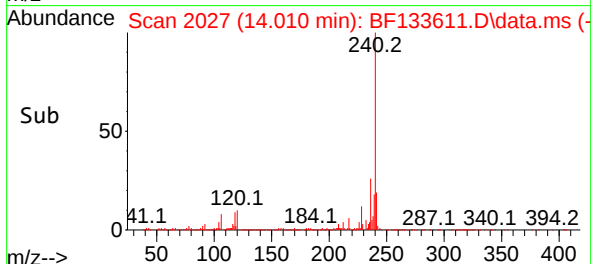
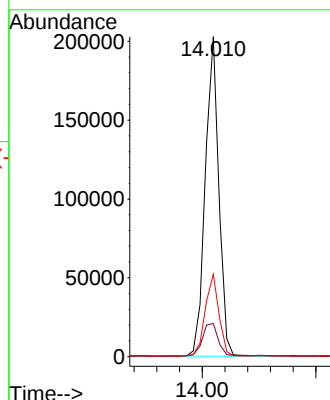
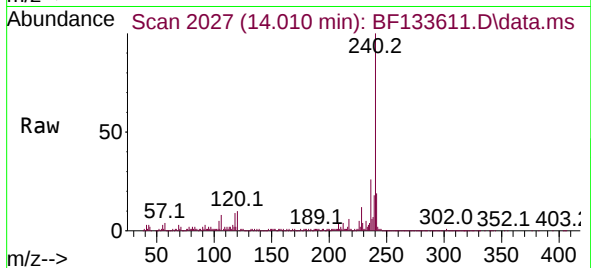
236 25.8 20.5 30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#78

Pyrene

Concen: 24.847 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

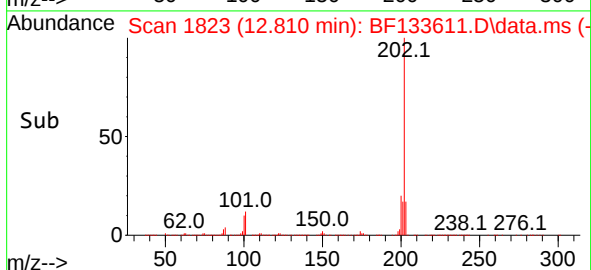
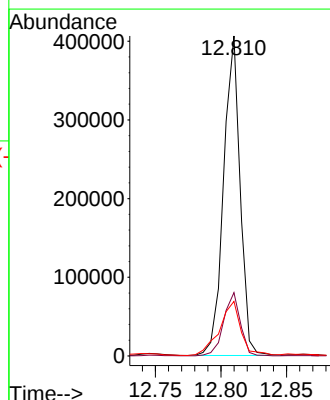
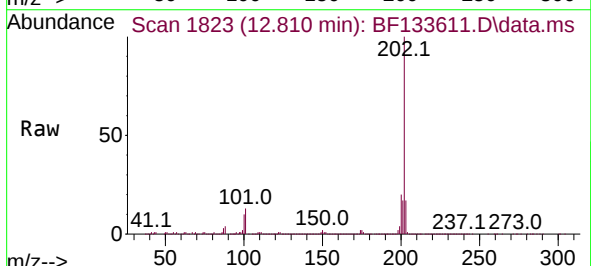
Tgt Ion:202 Resp: 354913

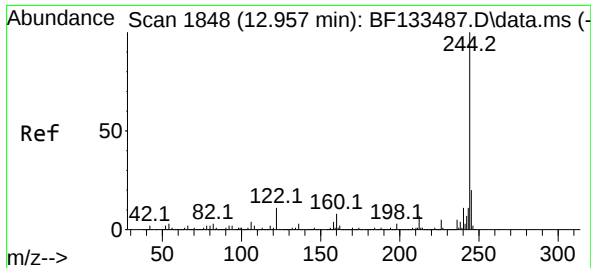
Ion Ratio Lower Upper

202 100

200 19.8 16.3 24.5

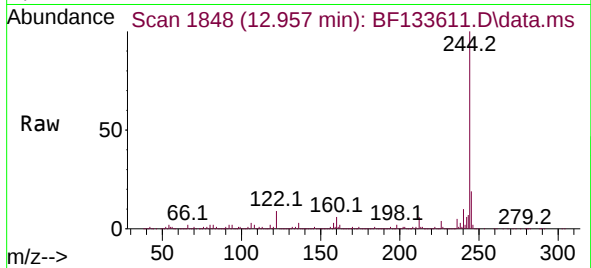
203 17.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 80.151 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133611.D
 Acq: 07 Jun 2023 03:12

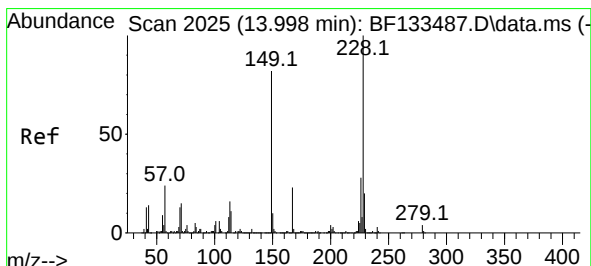
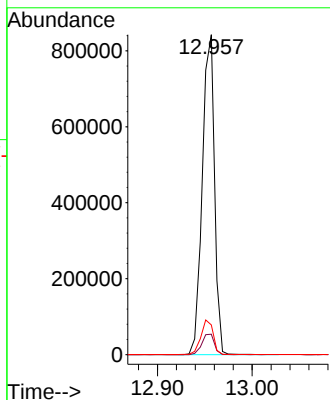
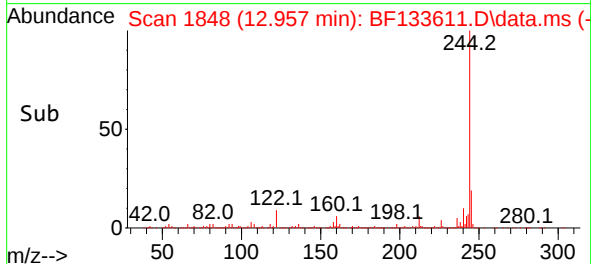
Instrument :
 BNA_F
 ClientSampleId :
 WC9-(12-17)



Tgt Ion:244 Resp: 756680
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.6
 122 9.3 8.5 12.7

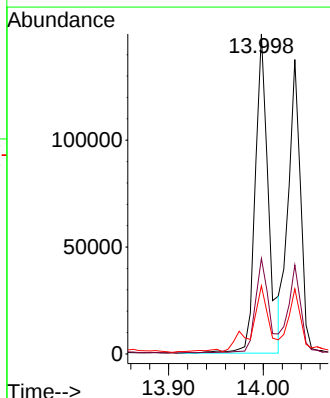
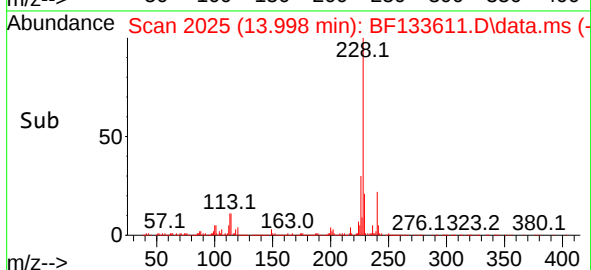
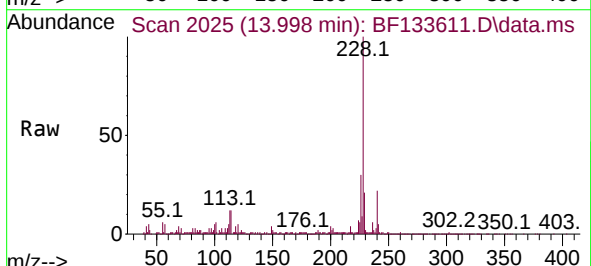
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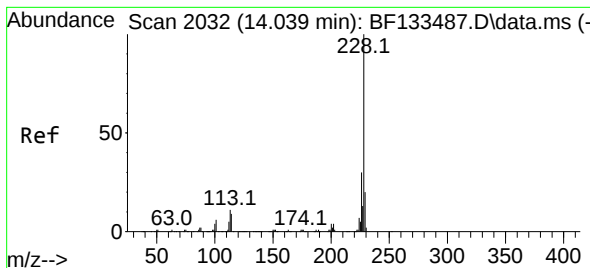
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#81
 Benzo(a)anthracene
 Concen: 12.972 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF133611.D
 Acq: 07 Jun 2023 03:12

Tgt Ion:228 Resp: 145049
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.3 33.5
 229 21.3 16.1 24.1





#83

Chrysene

Concen: 10.979 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

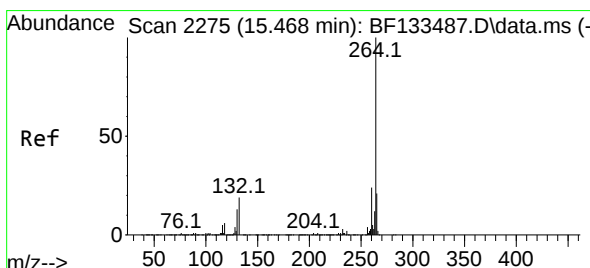
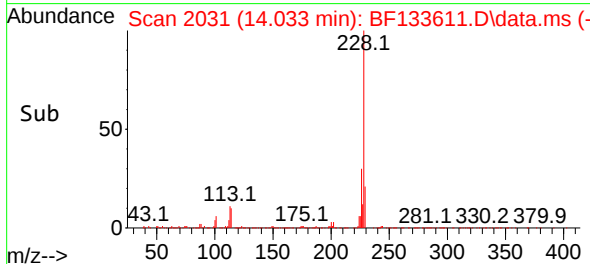
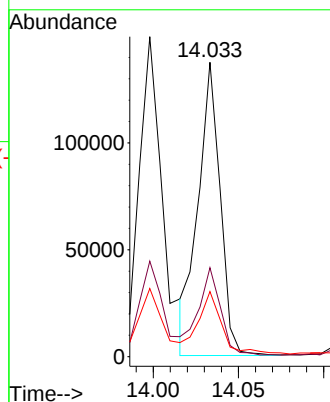
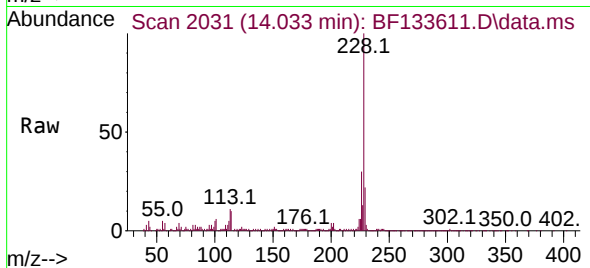
Tgt Ion:228 Resp: 123930
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.1 36.1
 229 22.1 15.8 23.8

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#86

Perylene-d12

Concen: 20.000 ng

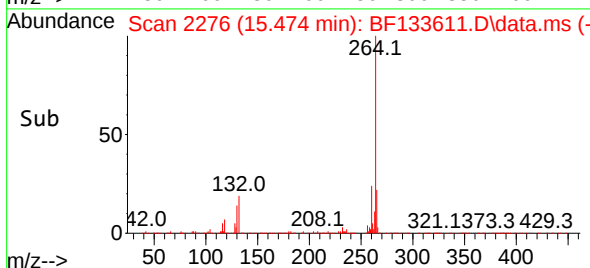
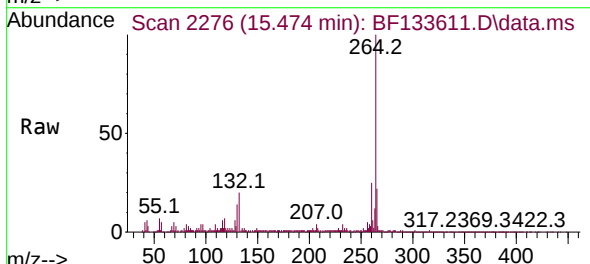
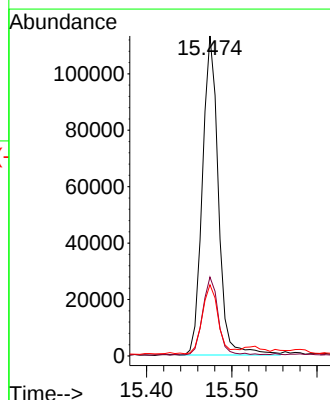
RT: 15.474 min Scan# 2276

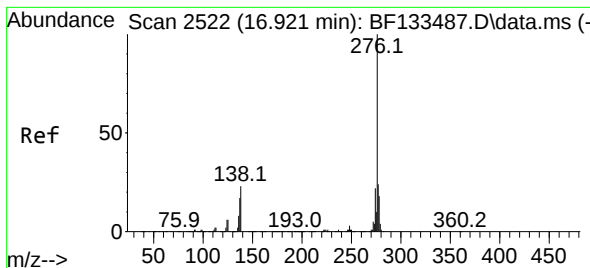
Delta R.T. 0.006 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Tgt Ion:264 Resp: 147374
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.0 28.4
 265 22.3 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.904 ng

RT: 16.933 min Scan# 2524

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNA_F

ClientSampleId :

WC9-(12-17)

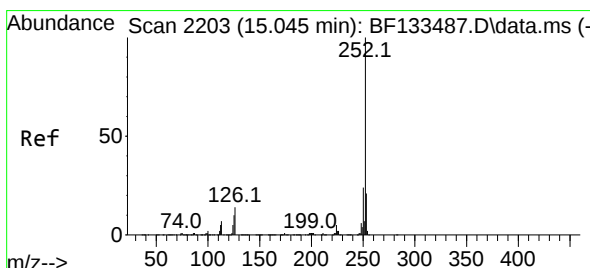
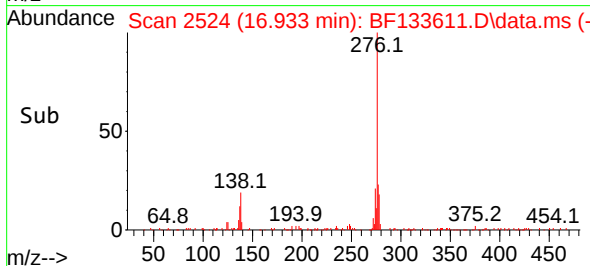
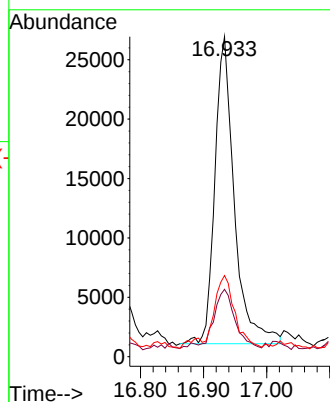
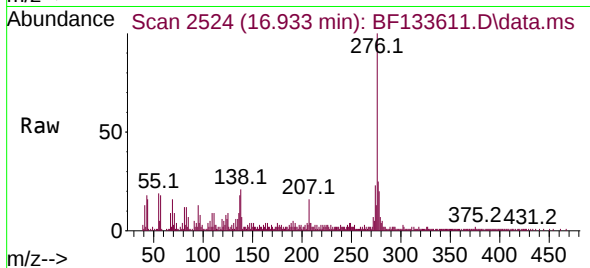
Tgt Ion:	276	Resp:	5542
Ion Ratio	Lower	Upper	
276	100		
138	20.0	21.4	32.2
277	23.7	20.0	30.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#88

Benzo(b)fluoranthene

Concen: 14.590 ng m

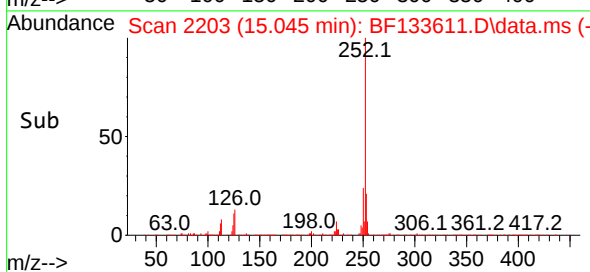
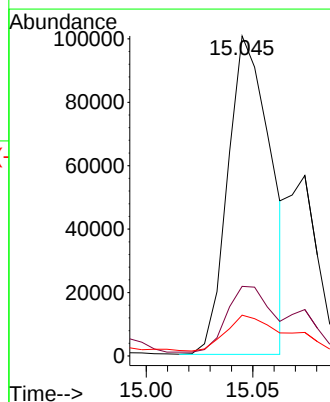
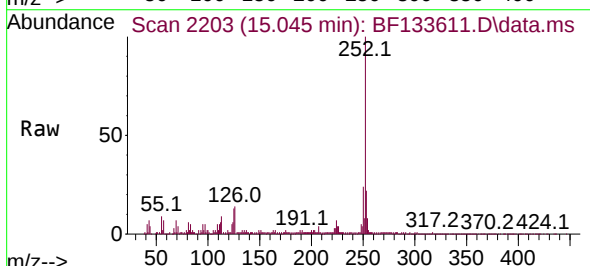
RT: 15.045 min Scan# 2203

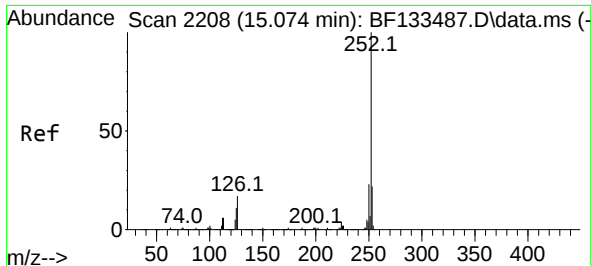
Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Tgt Ion:	252	Resp:	140016
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.2	25.8
125	12.8	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 5.785 ng m

RT: 15.074 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

Instrument :

BNF

ClientSampleId :

WC9-(12-17)

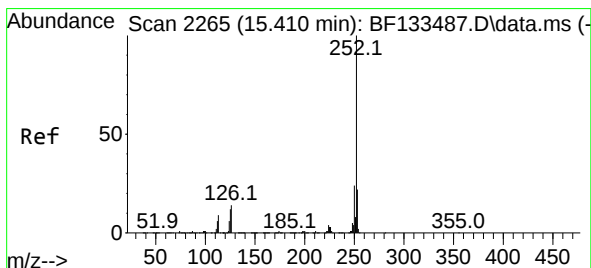
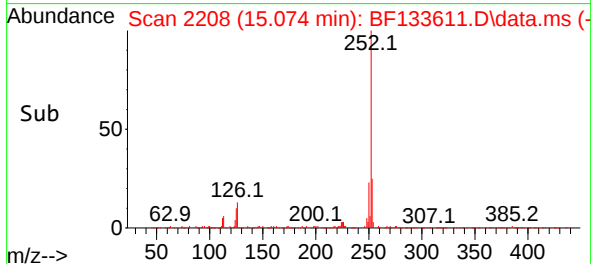
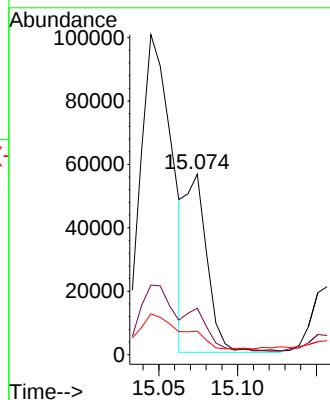
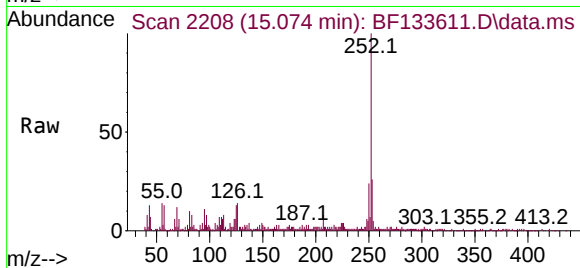
Tgt Ion:252 Resp: 54134
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.4 26.2
 125 13.1 8.3 12.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#90

Benzo(a)pyrene

Concen: 11.910 ng

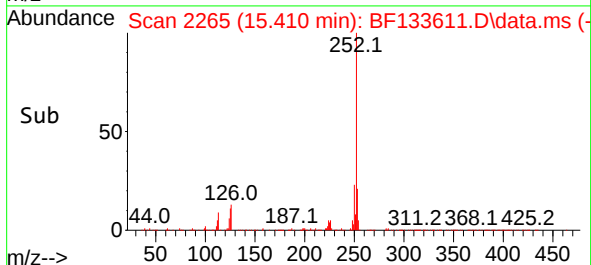
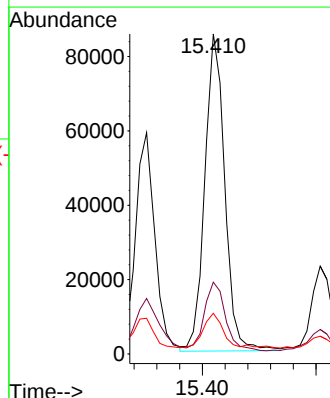
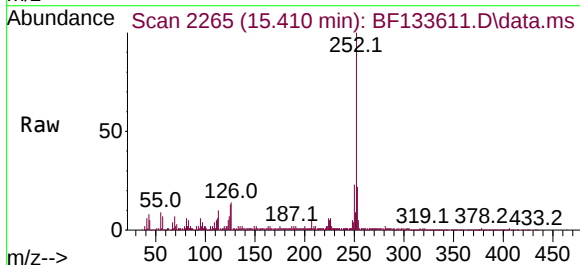
RT: 15.410 min Scan# 2265

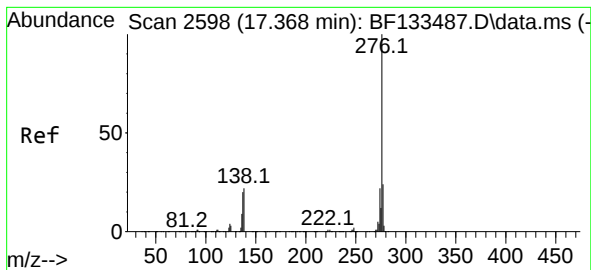
Delta R.T. 0.000 min

Lab File: BF133611.D

Acq: 07 Jun 2023 03:12

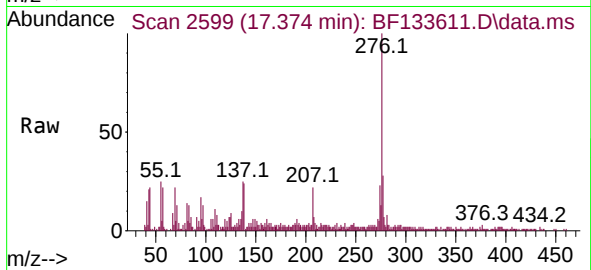
Tgt Ion:252 Resp: 104003
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.4 26.0
 125 12.7 9.4 14.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.715 ng
 RT: 17.374 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF133611.D
 Acq: 07 Jun 2023 03:12

Instrument :
 BNA_F
 ClientSampleId :
 WC9-(12-17)



Tgt Ion: 276 Resp: 51538

Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.8	28.2
138	23.9	17.8	26.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

