

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134950.D
 Acq On : 25 Aug 2023 20:12
 Operator : CG\JU
 Sample : 04145-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

Quant Time: Aug 28 02:41:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72947	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	268162	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	66633	20.000	ng	0.01
64) Phenanthrene-d10	11.380	188	77970m	20.000	ng	0.05
76) Chrysene-d12	14.027	240	92858	20.000	ng	# 0.05
86) Perylene-d12	15.474	264	116077	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	533167	116.552	ng	-0.01
7) Phenol-d6	6.428	99	664143	113.620	ng	-0.01
23) Nitrobenzene-d5	7.351	82	386132	79.345	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	98835	125.941	ng	0.03
45) 2-Fluorobiphenyl	9.151	172	564371	130.935	ng	0.00
79) Terphenyl-d14	12.980	244	354010	52.436	ng	0.06
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	55328m	13.542	ng	
75) Fluoranthene	12.616	202	70083m	18.103	ng	
78) Pyrene	12.845	202	63311	6.431	ng	# 65
81) Benzo(a)anthracene	14.016	228	46184	7.290	ng	# 77
83) Chrysene	14.051	228	41700	6.671	ng	# 78
87) Indeno(1,2,3-cd)pyrene	16.945	276	18657	2.249	ng	97
88) Benzo(b)fluoranthene	15.051	252	56256m	8.590	ng	
89) Benzo(k)fluoranthene	15.074	252	23908m	3.718	ng	
90) Benzo(a)pyrene	15.410	252	38101	5.828	ng	# 70
92) Benzo(g,h,i)perylene	17.392	276	18038	2.625	ng	# 94

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

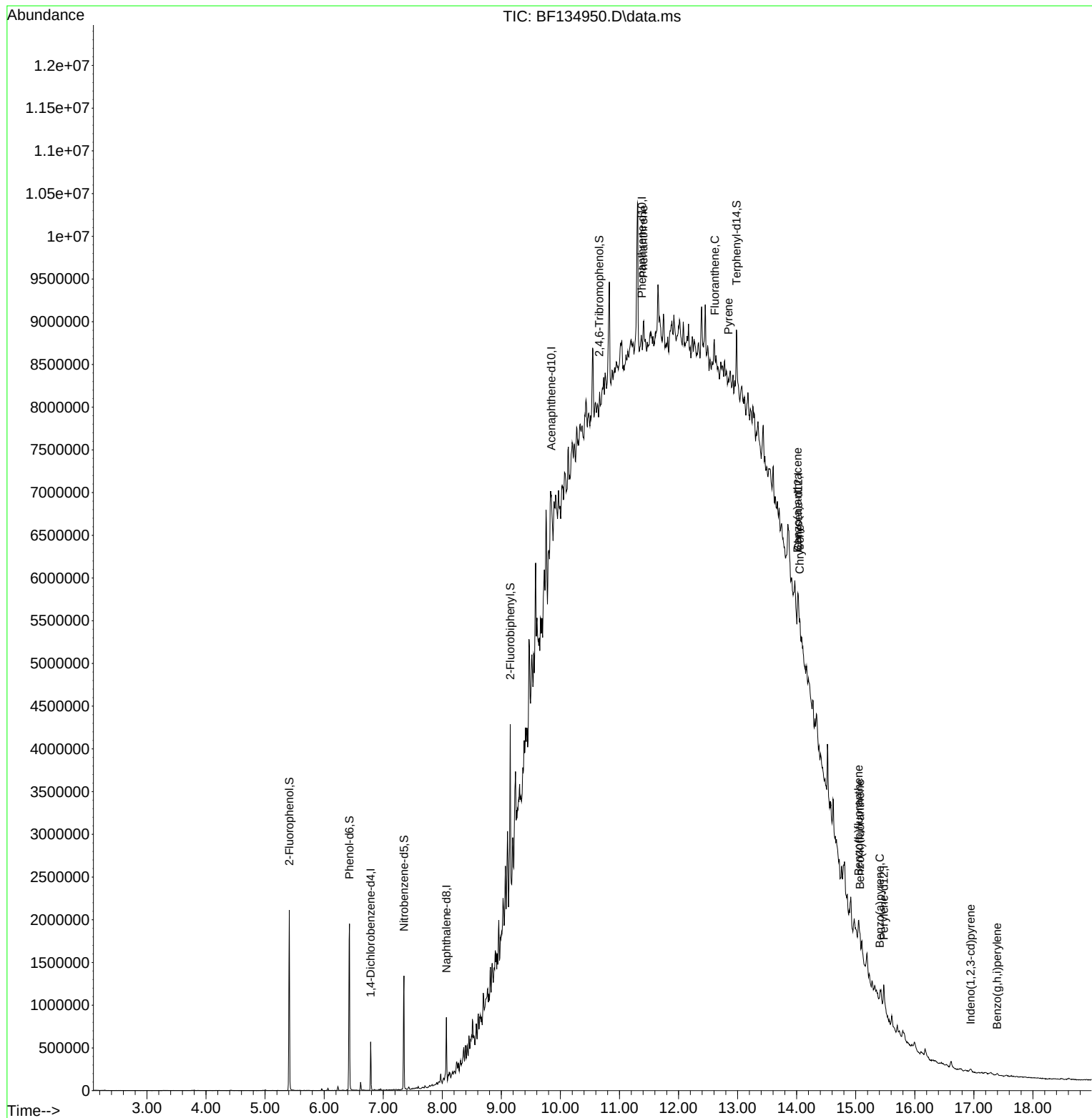
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134950.D
Acq On : 25 Aug 2023 20:12
Operator : CG\JU
Sample : 04145-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

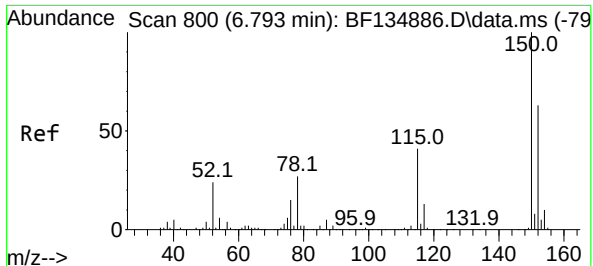
Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Time: Aug 28 02:41:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 22 19:33:25 2023
Response via : Initial Calibration

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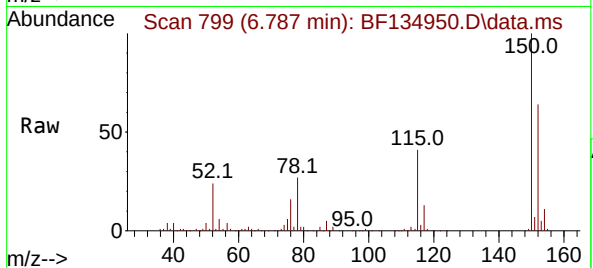
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF134950.D
 Acq: 25 Aug 2023 20:12

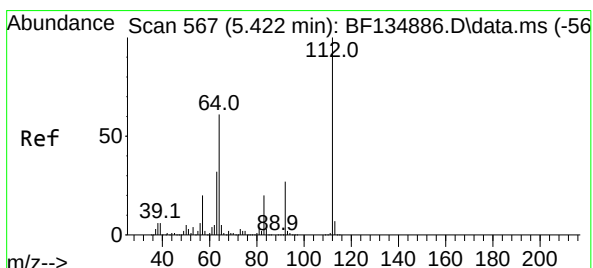
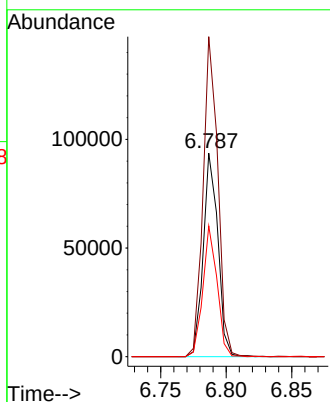
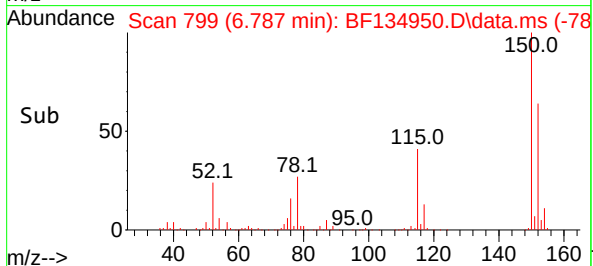
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



Tgt Ion:152 Resp: 7294
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.1 189.1
 115 64.2 51.1 76.7

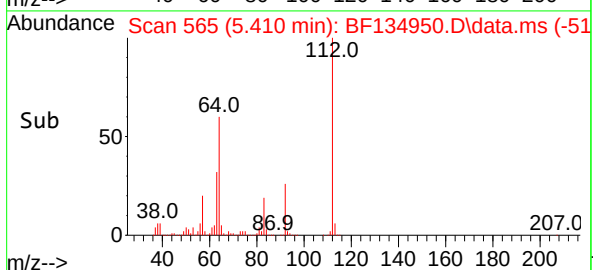
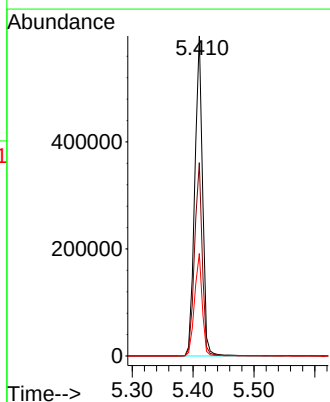
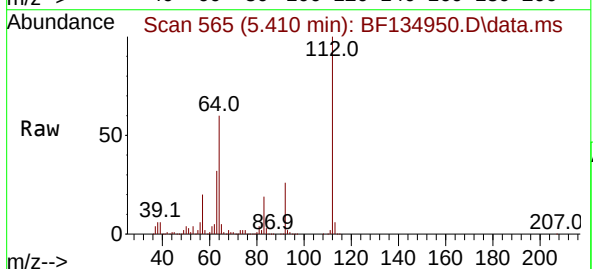
Manual Integrations
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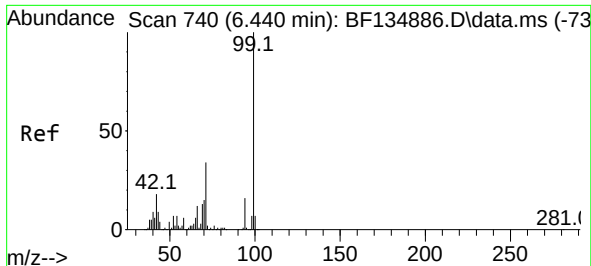
Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023



#5
 2-Fluorophenol
 Concen: 116.552 ng
 RT: 5.410 min Scan# 565
 Delta R.T. -0.012 min
 Lab File: BF134950.D
 Acq: 25 Aug 2023 20:12

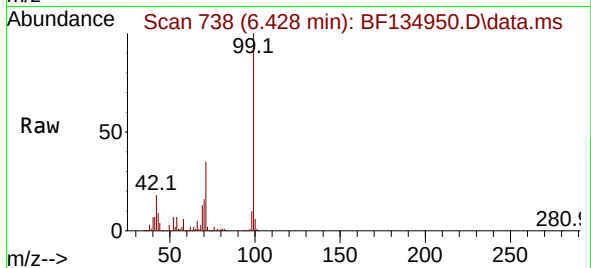
Tgt Ion:112 Resp: 533167
 Ion Ratio Lower Upper
 112 100
 64 60.4 48.6 73.0
 63 32.0 25.7 38.5





#7
Phenol-d6
Concen: 113.620 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

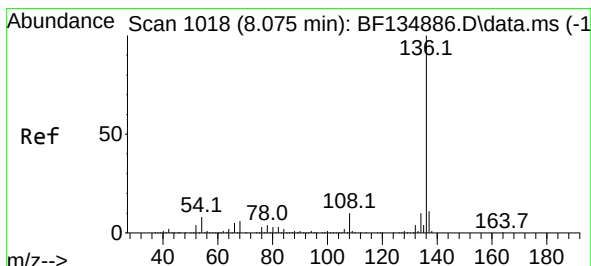
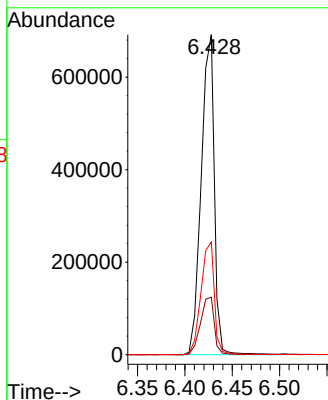
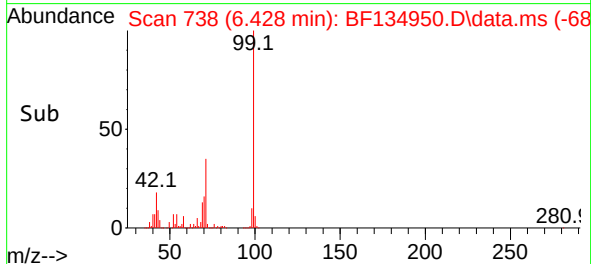
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 66414
Ion Ratio Lower Upper
99 100
42 17.9 14.6 22.0
71 35.3 27.6 41.4

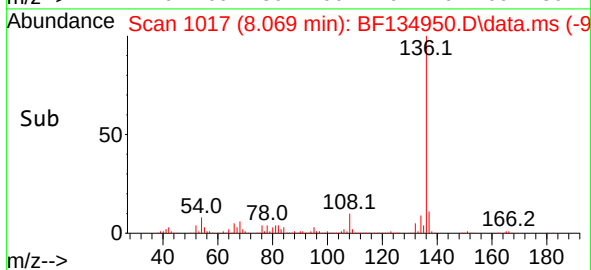
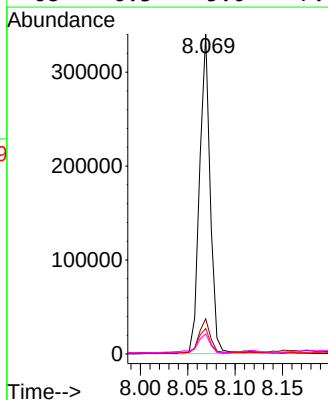
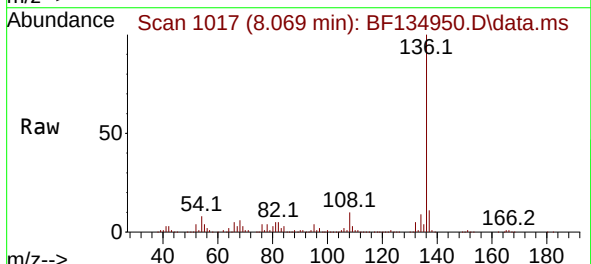
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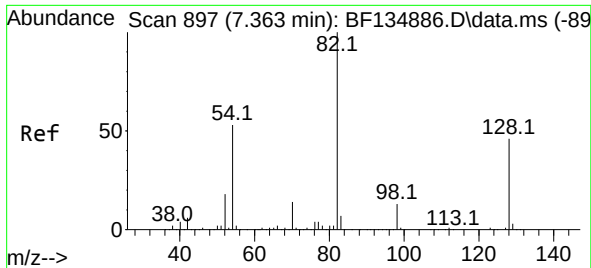
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

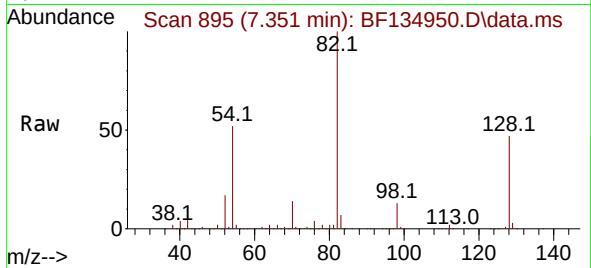
Tgt Ion:136 Resp: 268162
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.9 6.6 9.8
68 6.3 5.0 7.4





#23
Nitrobenzene-d5
Concen: 79.345 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

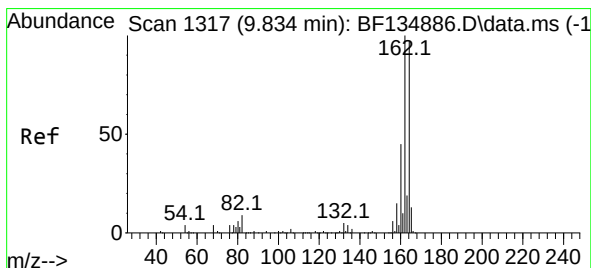
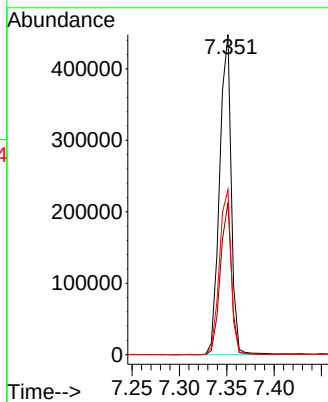
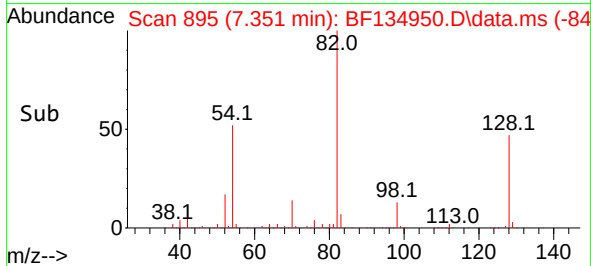
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 82 Resp: 386132
Ion Ratio Lower Upper
82 100
128 47.5 36.6 54.8
54 51.5 42.6 63.8

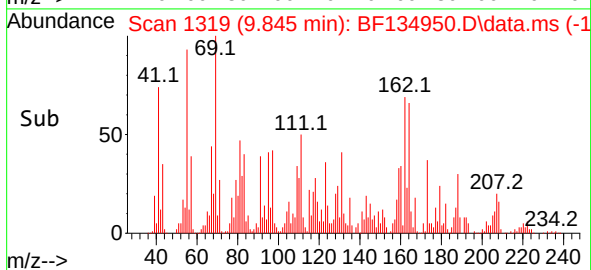
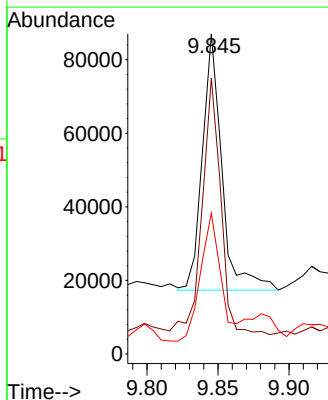
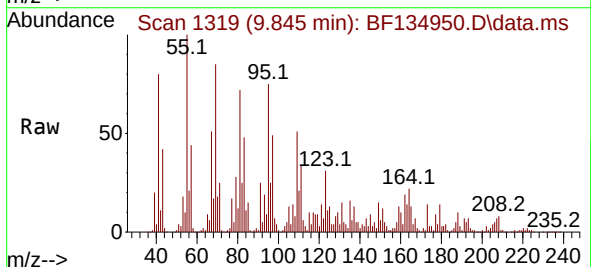
Manual Integrations
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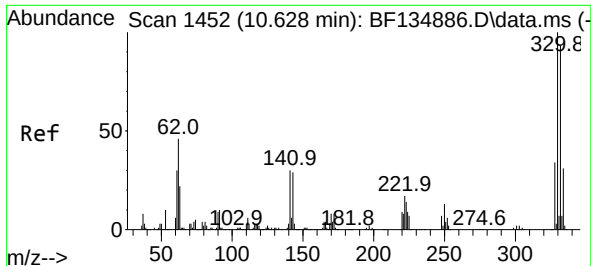
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

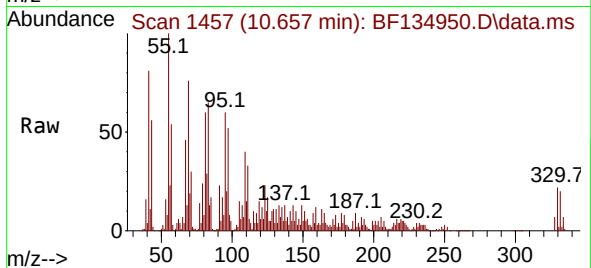
Tgt Ion:164 Resp: 66633
Ion Ratio Lower Upper
164 100
162 86.2 82.6 123.8
160 44.0 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 125.941 ng
RT: 10.657 min Scan# 1452
Delta R.T. 0.029 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

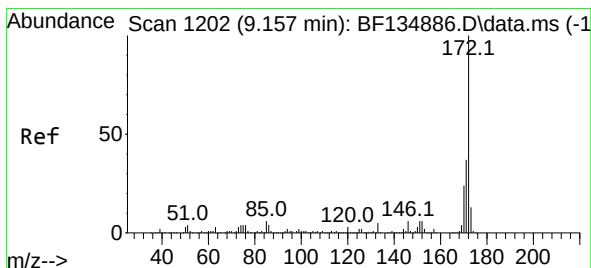
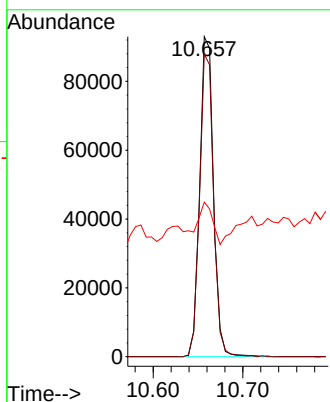
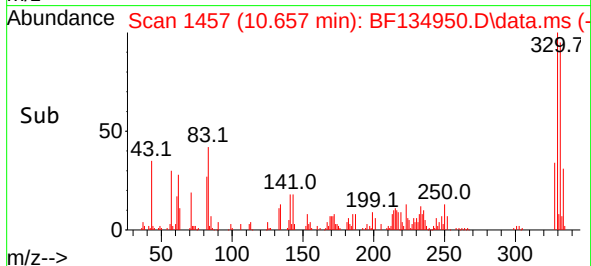
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:330 Resp: 98835
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 12.6 23.4 35.2

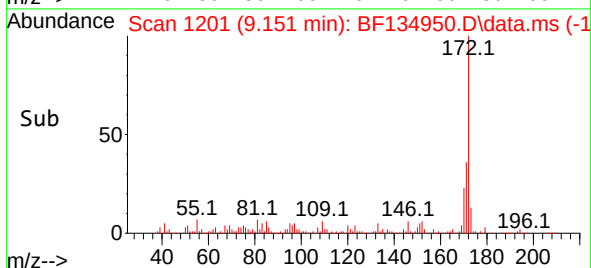
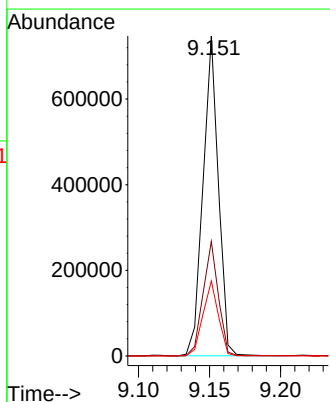
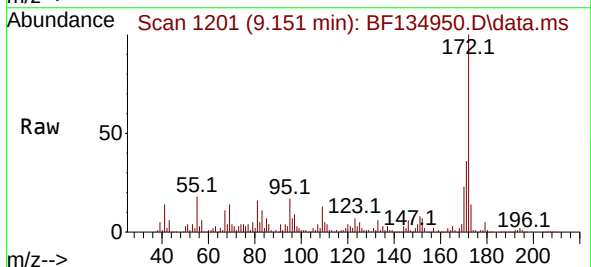
Manual Integrations
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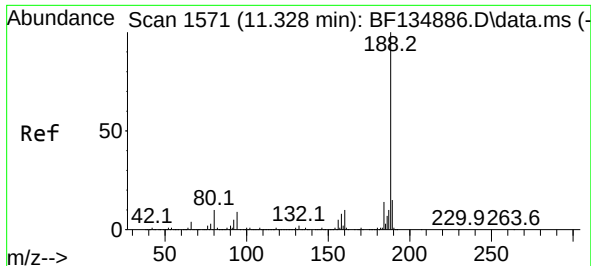
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#45
2-Fluorobiphenyl
Concen: 130.935 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

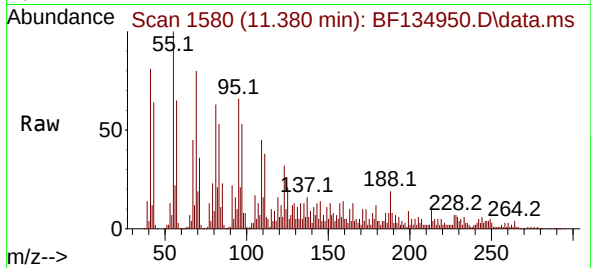
Tgt Ion:172 Resp: 564371
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 23.5 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.380 min Scan# 1580
Delta R.T. 0.053 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

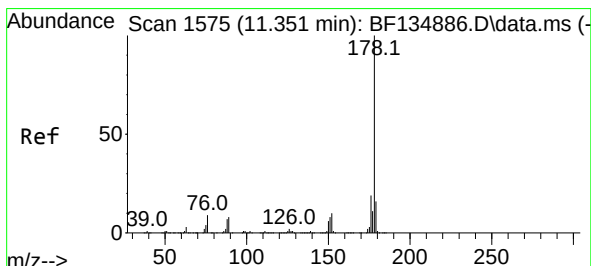
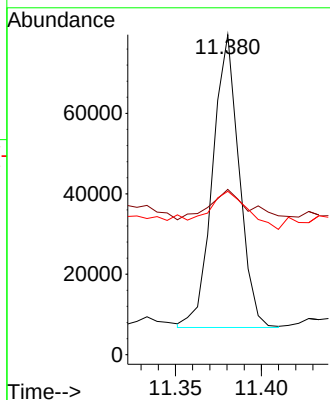
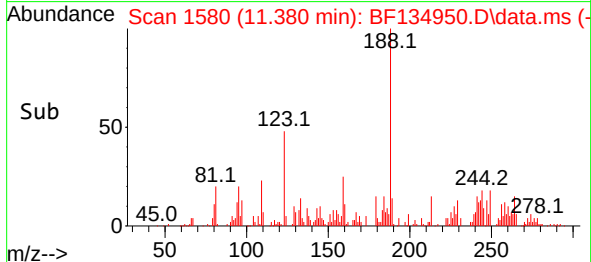
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:188 Resp: 77970
Ion Ratio Lower Upper
188 100
94 51.6 7.5 11.3#
80 51.1 7.8 11.6#

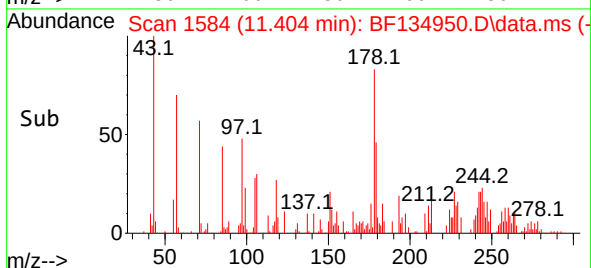
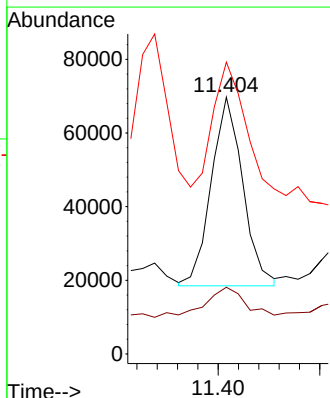
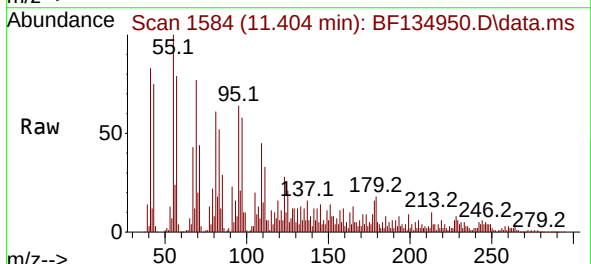
Manual Integrations
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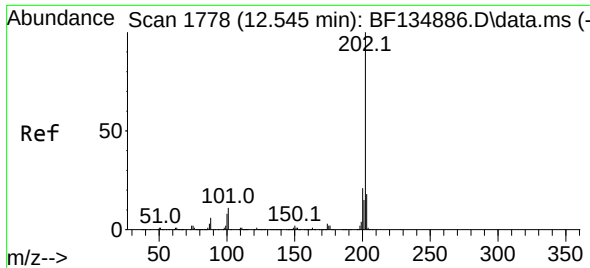
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#71
Phenanthrene
Concen: 13.542 ng m
RT: 11.404 min Scan# 1584
Delta R.T. 0.053 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

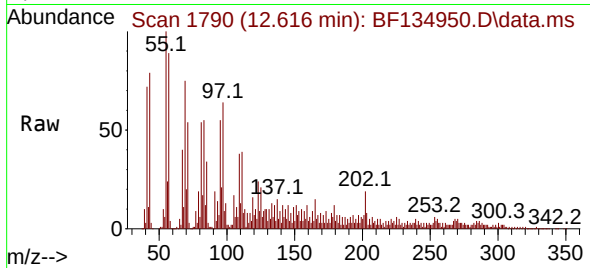
Tgt Ion:178 Resp: 55328
Ion Ratio Lower Upper
178 100
176 26.0 15.5 23.3#
179 113.7 12.6 19.0#





#75
Fluoranthene
Concen: 18.103 ng m
RT: 12.616 min Scan# 1778
Delta R.T. 0.071 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

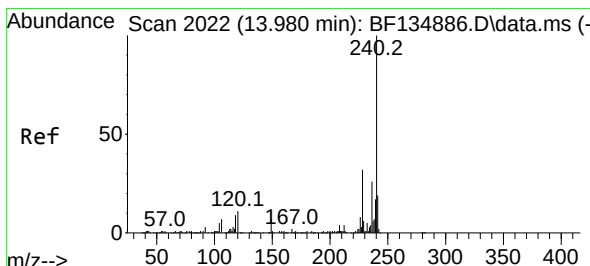
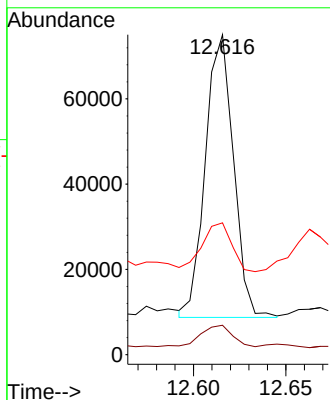
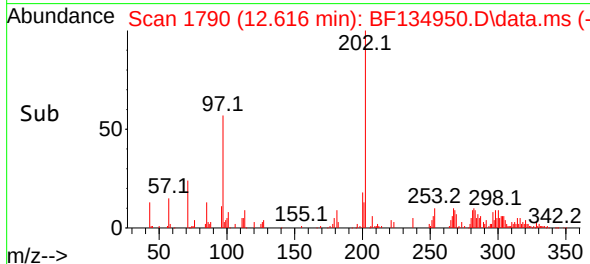
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:202 Resp: 7008
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.5
203 41.2 0.0 37.8

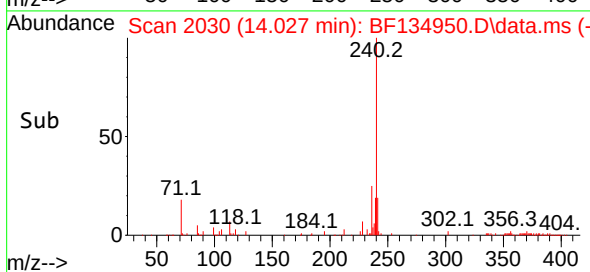
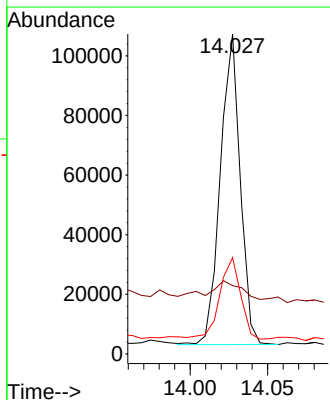
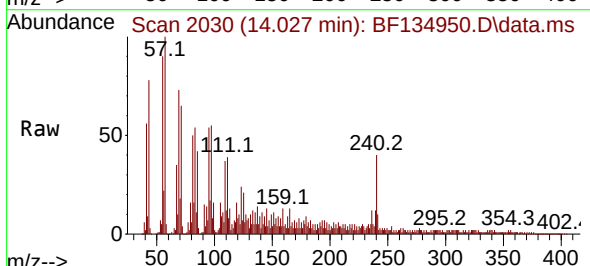
Manual Integrations
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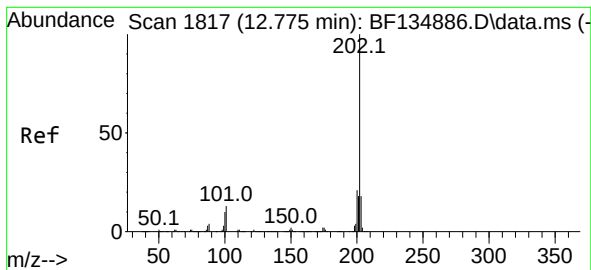
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.047 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

Tgt Ion:240 Resp: 92858
Ion Ratio Lower Upper
240 100
120 21.4 8.6 12.8#
236 30.1 20.6 31.0





#78

Pyrene

Concen: 6.431 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.071 min

Lab File: BF134950.D

Acq: 25 Aug 2023 20:12

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:202 Resp: 6331

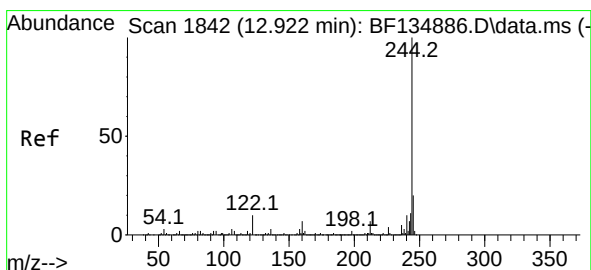
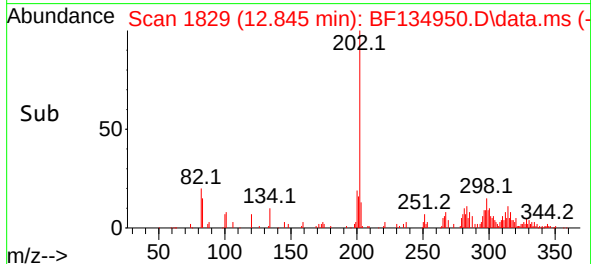
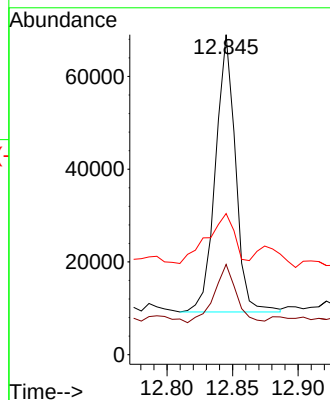
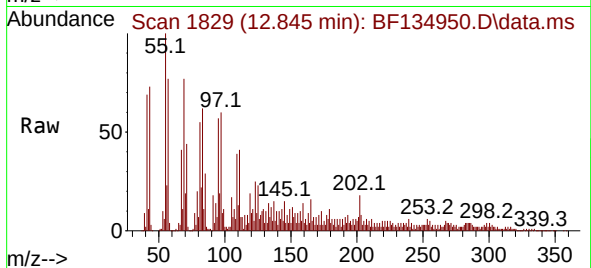
Ion	Ratio	Lower	Upper
202	100		
200	28.2	17.1	25.7
203	44.1	14.2	21.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#79

Terphenyl-d14

Concen: 52.436 ng

RT: 12.980 min Scan# 1852

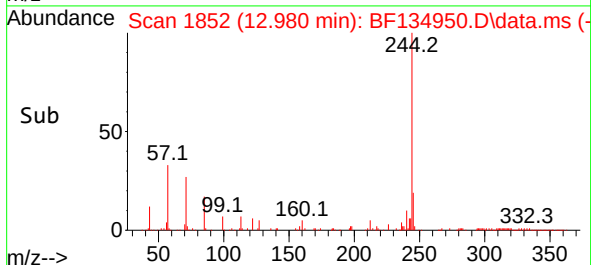
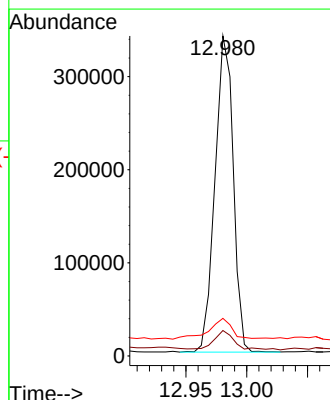
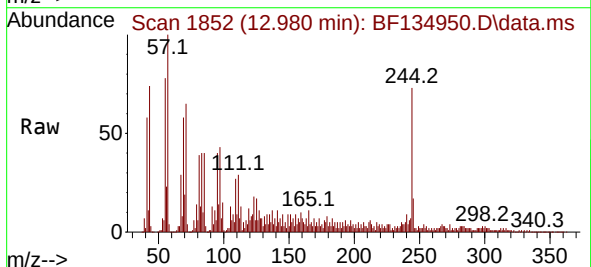
Delta R.T. 0.058 min

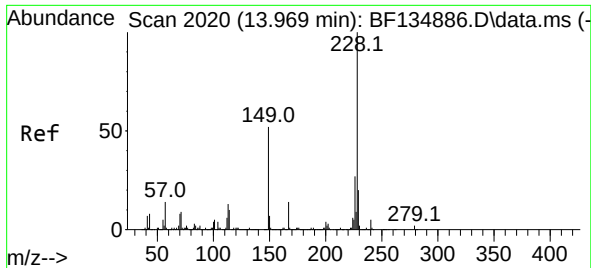
Lab File: BF134950.D

Acq: 25 Aug 2023 20:12

Tgt Ion:244 Resp: 354010

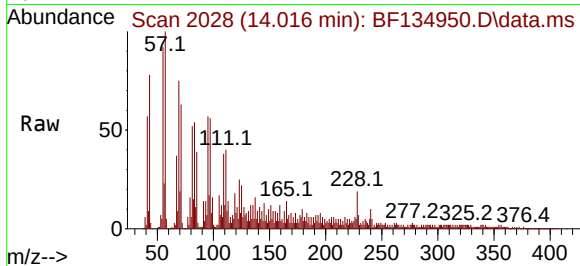
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.4	8.0
122	11.8	8.2	12.4





#81
Benzo(a)anthracene
Concen: 7.290 ng
RT: 14.016 min Scan# 2034
Delta R.T. 0.047 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

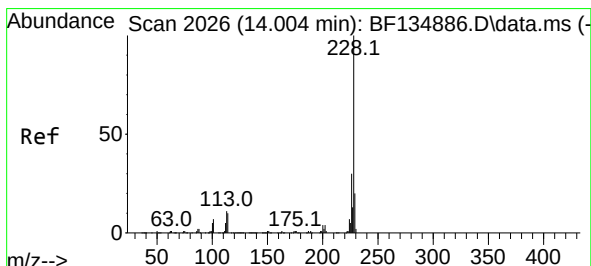
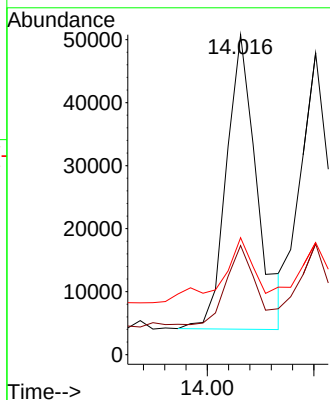
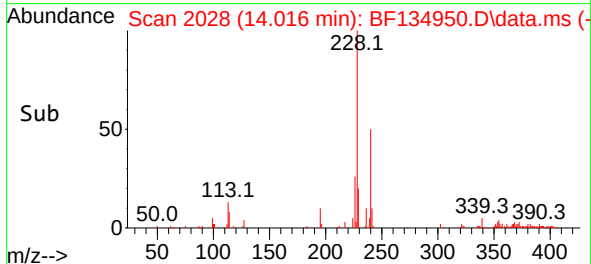
Instrument :
BNA_F
ClientSampleId :
WC-1



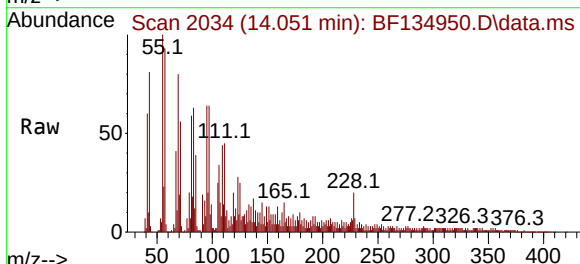
Tgt Ion:228 Resp: 46184
Ion Ratio Lower Upper
228 100
226 34.1 21.8 32.6#
229 36.5 15.6 23.4#

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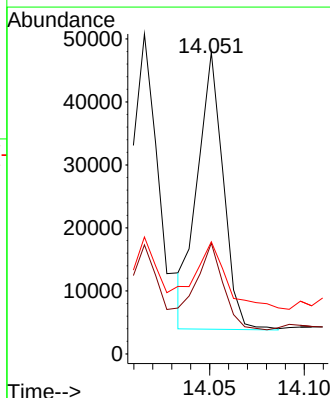
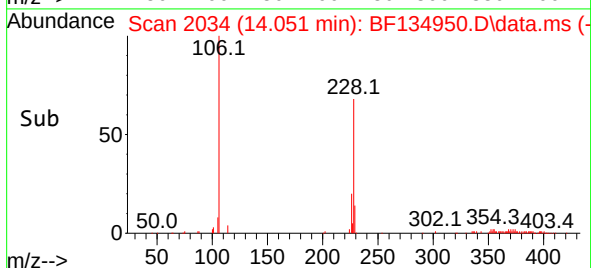
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

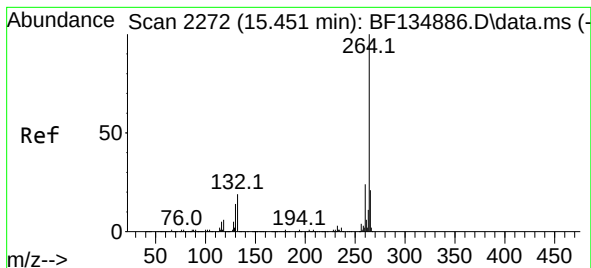


#83
Chrysene
Concen: 6.671 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.047 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12



Tgt Ion:228 Resp: 41700
Ion Ratio Lower Upper
228 100
226 36.7 24.2 36.2#
229 37.2 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF134950.D

Acq: 25 Aug 2023 20:12

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:264 Resp: 11607

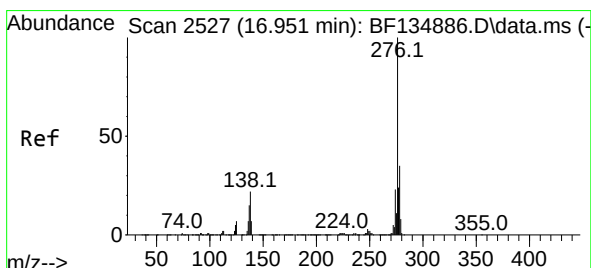
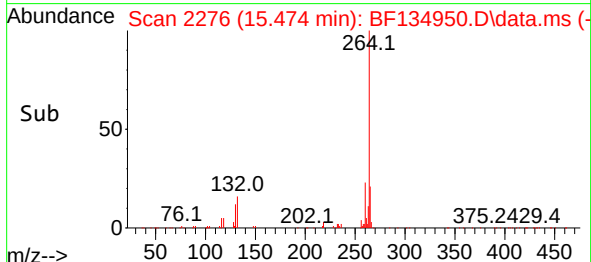
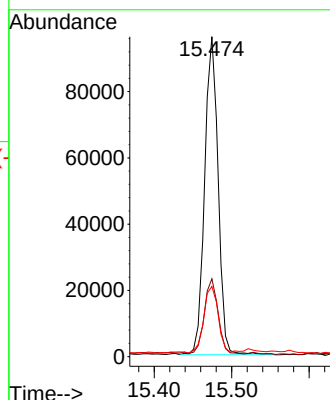
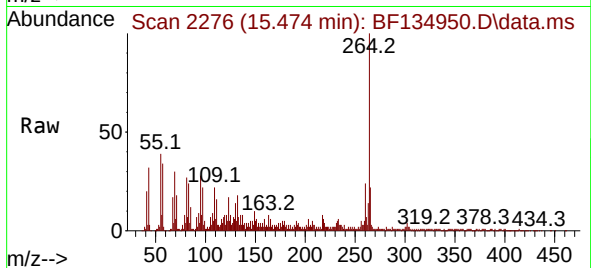
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	22.0	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.249 ng

RT: 16.945 min Scan# 2526

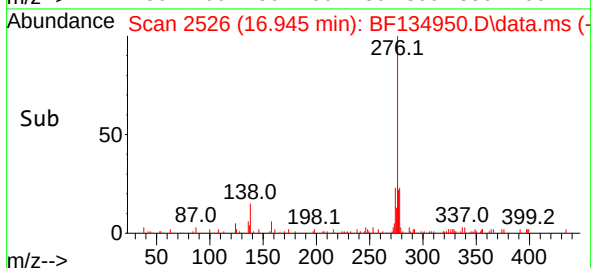
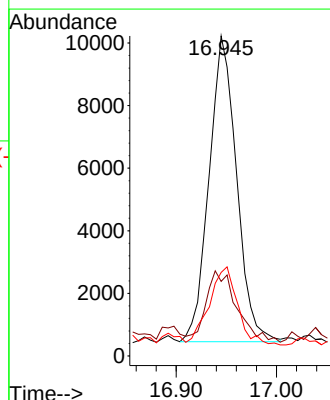
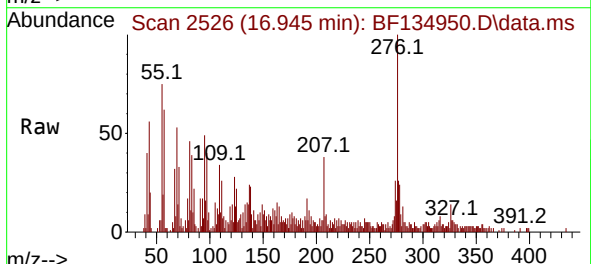
Delta R.T. -0.006 min

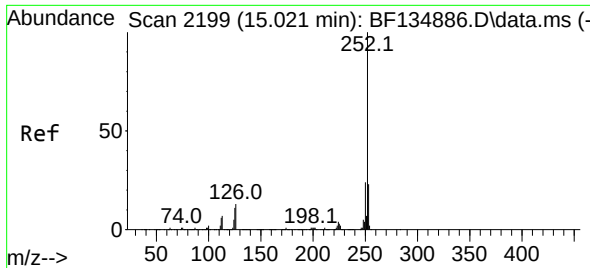
Lab File: BF134950.D

Acq: 25 Aug 2023 20:12

Tgt Ion:276 Resp: 18657

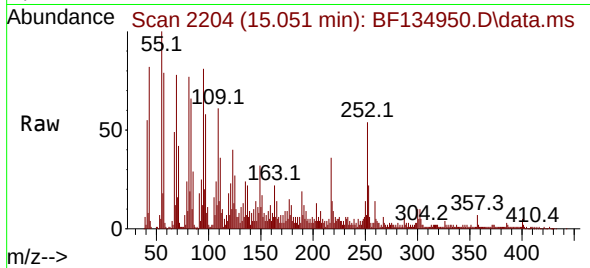
Ion	Ratio	Lower	Upper
276	100		
138	26.0	19.7	29.5
277	26.3	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 8.590 ng m
RT: 15.051 min Scan# 2199
Delta R.T. 0.029 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

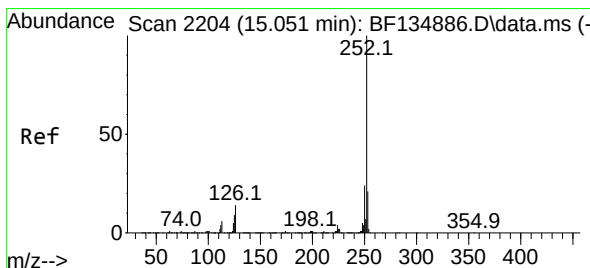
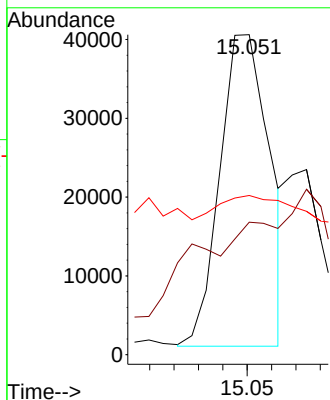
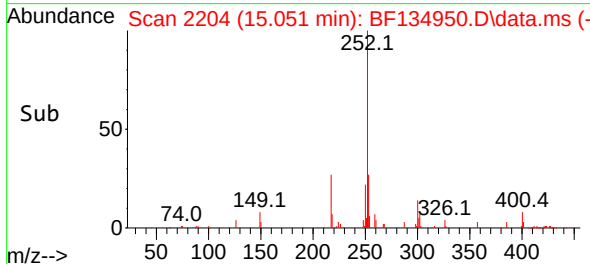
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 56250
Ion Ratio Lower Upper
252 100
253 41.4 18.1 27.1#
125 49.7 8.4 12.6#

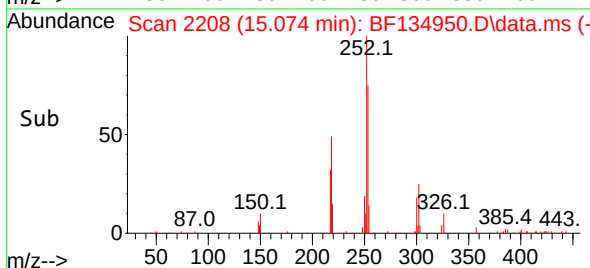
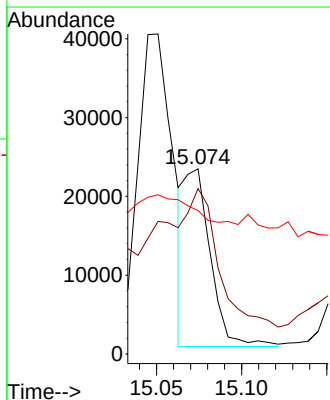
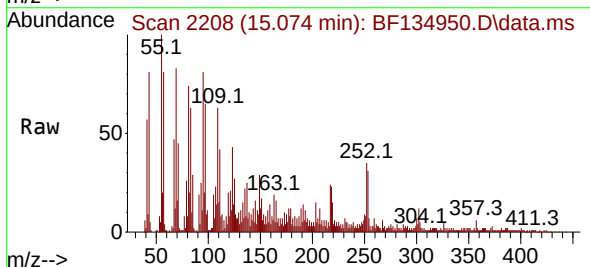
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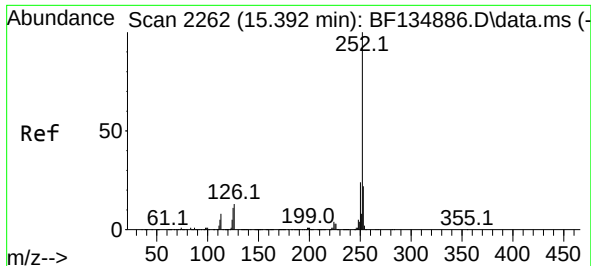
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#89
Benzo(k)fluoranthene
Concen: 3.718 ng m
RT: 15.074 min Scan# 2208
Delta R.T. 0.024 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

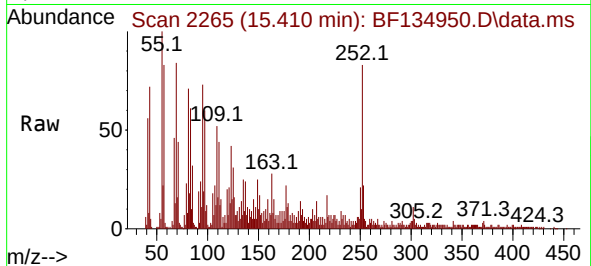
Tgt Ion:252 Resp: 23908
Ion Ratio Lower Upper
252 100
253 89.4 17.1 25.7#
125 77.5 8.0 12.0#





#90
Benzo(a)pyrene
Concen: 5.828 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

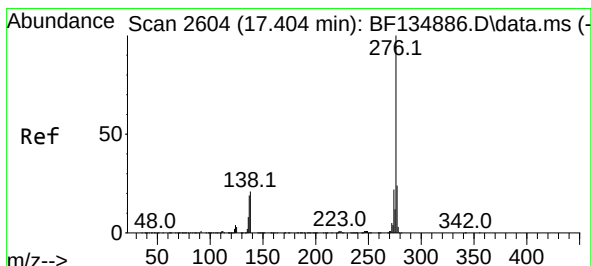
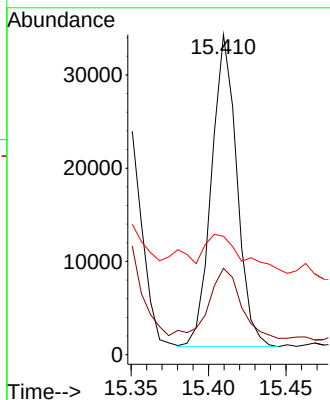
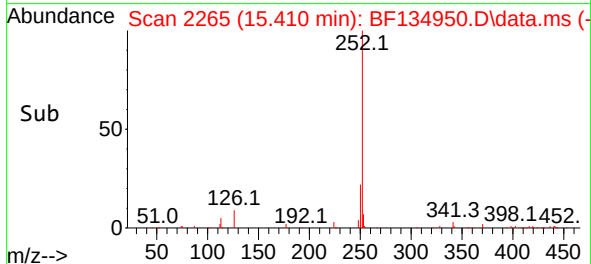
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 3810
Ion Ratio Lower Upper
252 100
253 27.0 17.6 26.4
125 37.0 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#92
Benzo(g,h,i)perylene
Concen: 2.625 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.012 min
Lab File: BF134950.D
Acq: 25 Aug 2023 20:12

Tgt Ion:276 Resp: 18038
Ion Ratio Lower Upper
276 100
277 22.8 19.2 28.8
138 25.6 17.0 25.6

