

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134965.D
 Acq On : 28 Aug 2023 13:19
 Operator : CG\JU
 Sample : 04145-01RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 28 17:49:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	75353	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	276206	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	69719	20.000	ng	0.01
64) Phenanthrene-d10	11.381	188	83829m	20.000	ng	0.05
76) Chrysene-d12	14.033	240	132707	20.000	ng	# 0.05
86) Perylene-d12	15.486	264	198473	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	571011	120.840	ng	0.00
7) Phenol-d6	6.428	99	707909	117.240	ng	-0.01
23) Nitrobenzene-d5	7.351	82	418090	83.410	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	115062	140.129	ng	0.04
45) 2-Fluorobiphenyl	9.151	172	566894	125.698	ng	0.00
79) Terphenyl-d14	12.992	244	410031	42.496	ng	0.07
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	53989m	12.290	ng	
75) Fluoranthene	12.622	202	81016	19.465	ng	# 66
78) Pyrene	12.851	202	79438	5.646	ng	# 65
81) Benzo(a)anthracene	14.022	228	63296	6.991	ng	# 80
83) Chrysene	14.057	228	60873	6.814	ng	# 83
87) Indeno(1,2,3-cd)pyrene	16.957	276	34621	2.440	ng	97
88) Benzo(b)fluoranthene	15.057	252	95087m	8.492	ng	
89) Benzo(k)fluoranthene	15.080	252	27460m	2.497	ng	
90) Benzo(a)pyrene	15.421	252	65337	5.845	ng	# 74
92) Benzo(g,h,i)perylene	17.404	276	30736	2.616	ng	# 93

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

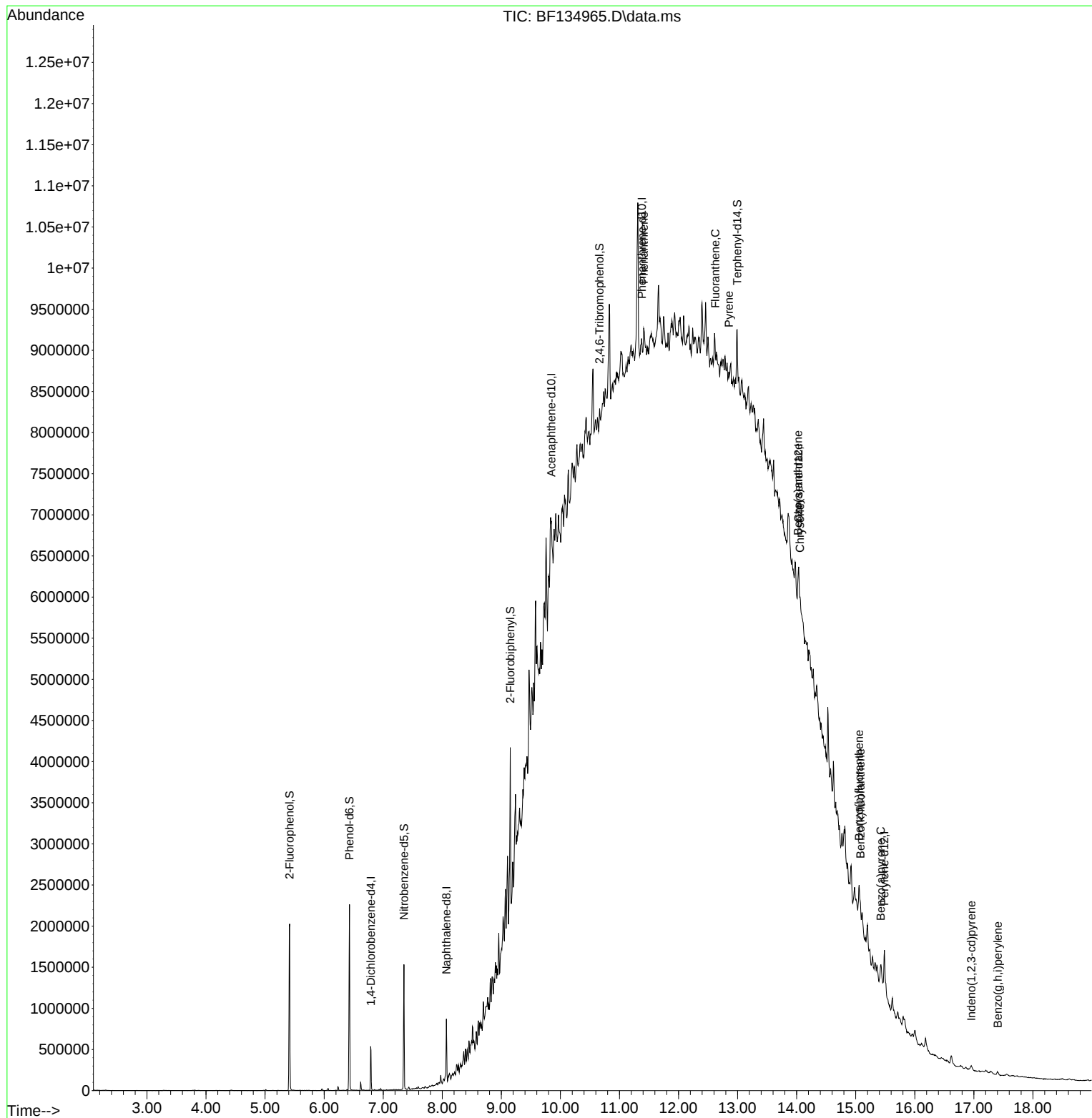
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134965.D
Acq On : 28 Aug 2023 13:19
Operator : CG\JU
Sample : 04145-01RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

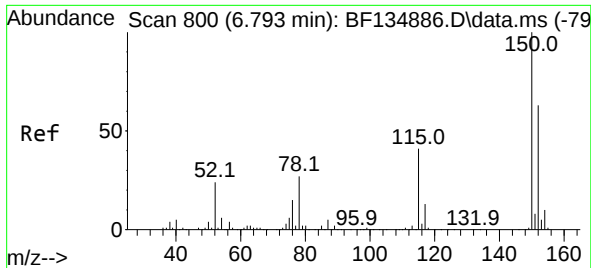
Instrument :
BNA_F
ClientSampleId :
WC-1RE

Quant Time: Aug 28 17:49:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 02:45:19 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

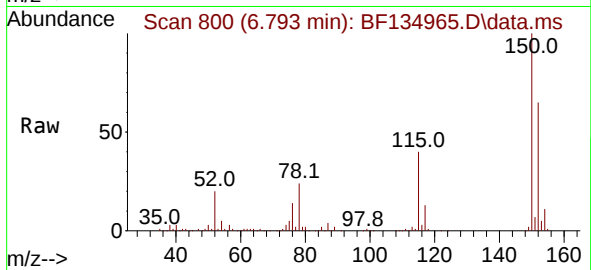
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

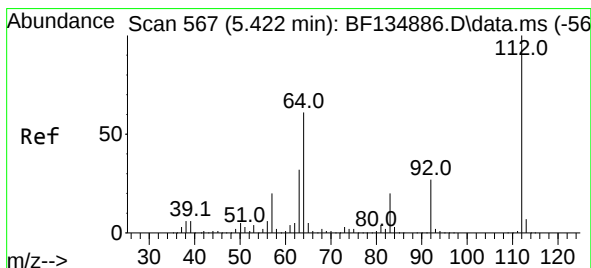
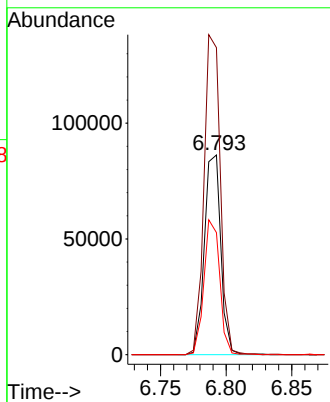
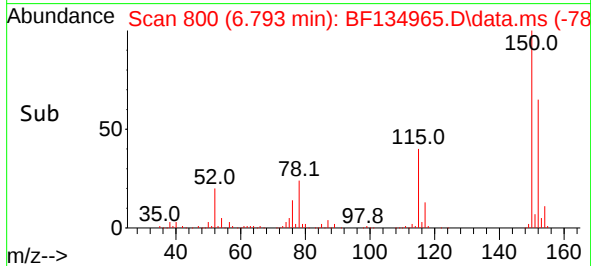
Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion:152 Resp: 7535
Ion Ratio Lower Upper
152 100
150 153.8 126.1 189.1
115 61.1 51.1 76.7

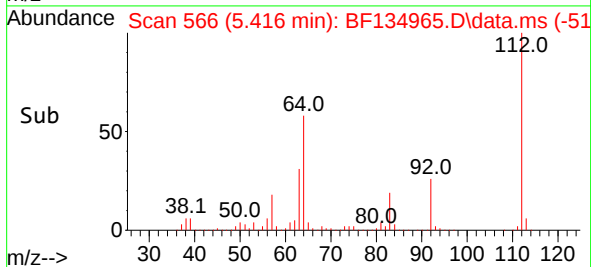
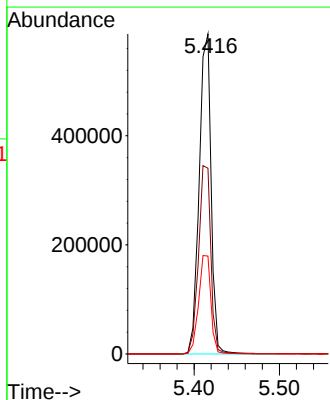
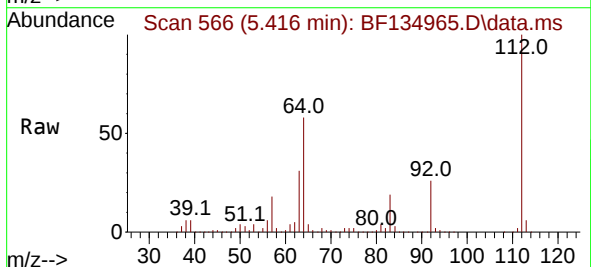
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#5
2-Fluorophenol
Concen: 120.840 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

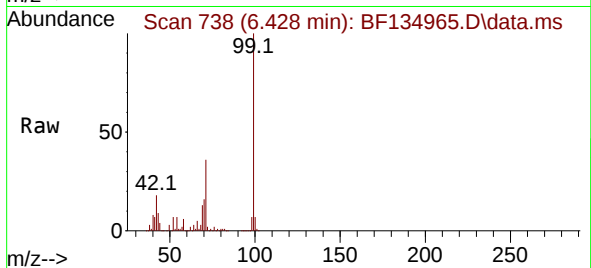
Tgt Ion:112 Resp: 571011
Ion Ratio Lower Upper
112 100
64 58.0 48.6 73.0
63 30.6 25.7 38.5





#7
Phenol-d6
Concen: 117.240 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

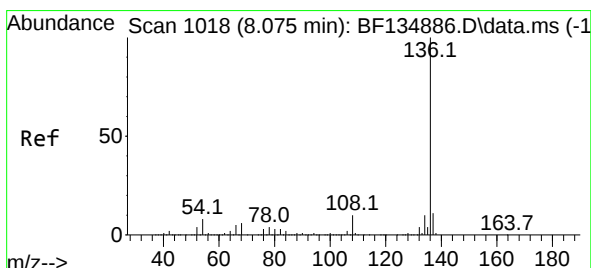
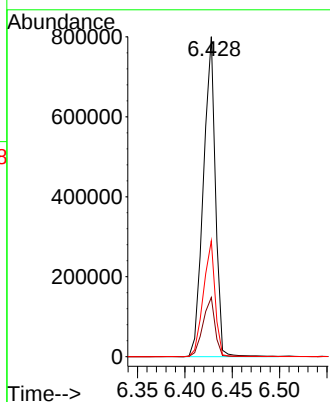
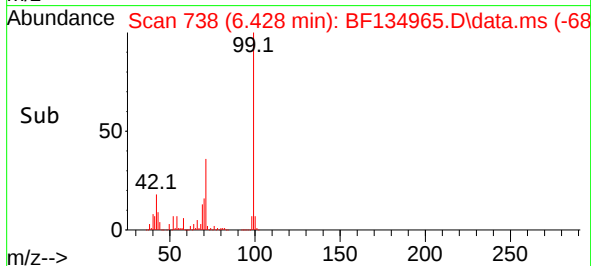
Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion: 99 Resp: 707909
Ion Ratio Lower Upper
99 100
42 18.5 14.6 22.0
71 36.2 27.6 41.4

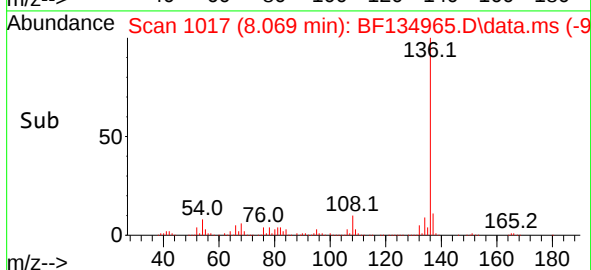
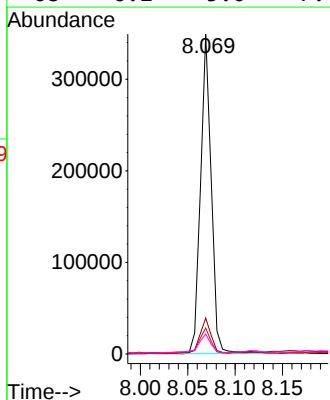
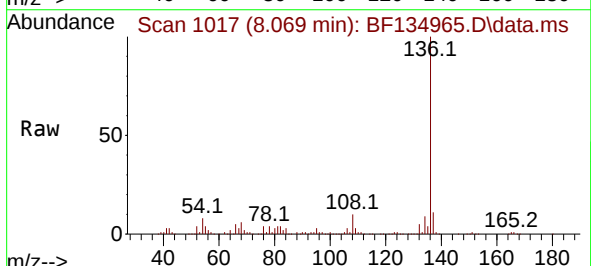
Manual Integrations
APPROVED

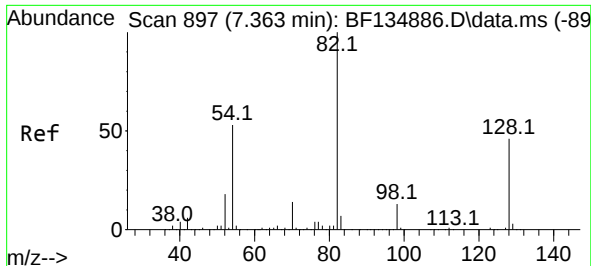
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

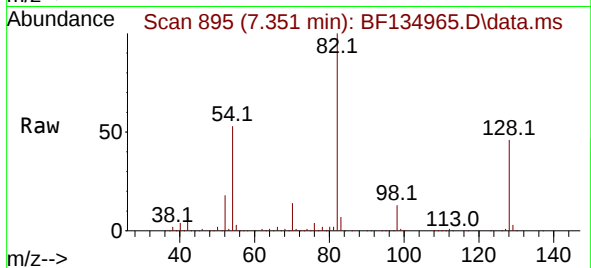
Tgt Ion:136 Resp: 276206
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.1 6.6 9.8
68 6.2 5.0 7.4





#23
Nitrobenzene-d5
Concen: 83.410 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

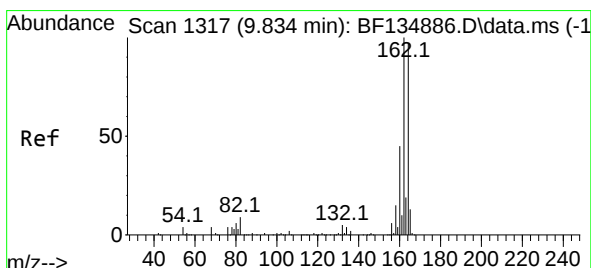
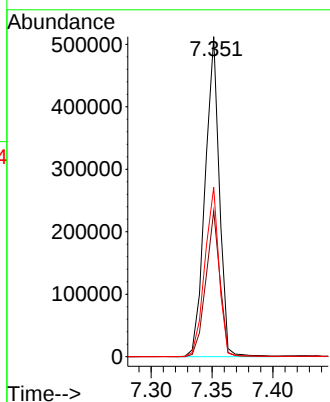
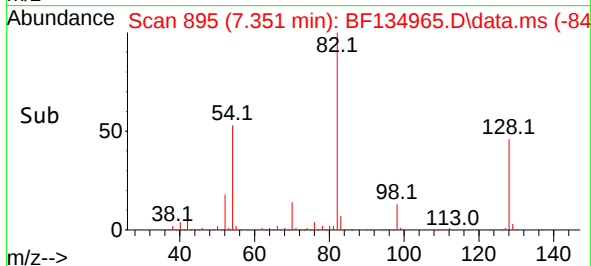
Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion: 82 Resp: 418090
Ion Ratio Lower Upper
82 100
128 45.6 36.6 54.8
54 53.0 42.6 63.8

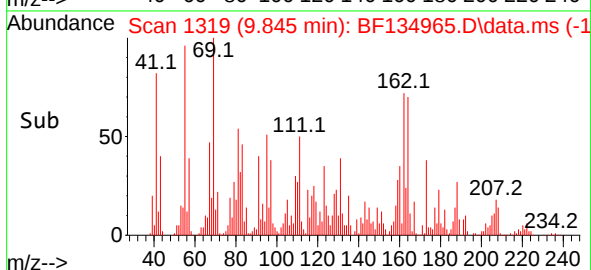
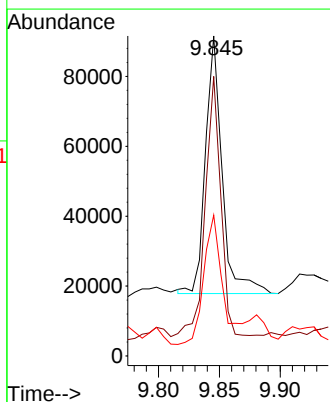
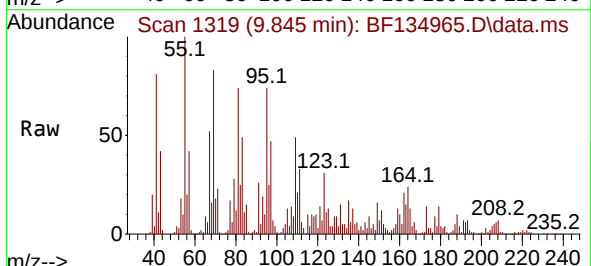
Manual Integrations
APPROVED

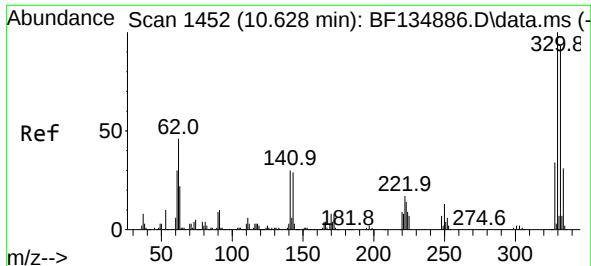
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. 0.012 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

Tgt Ion:164 Resp: 69719
Ion Ratio Lower Upper
164 100
162 87.4 82.6 123.8
160 44.0 37.0 55.4





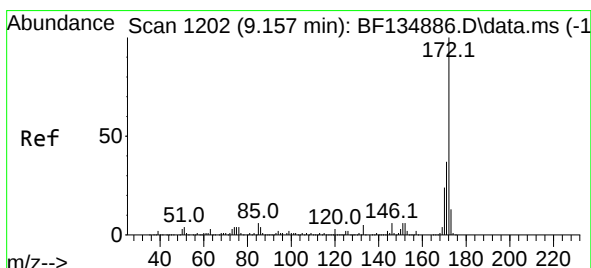
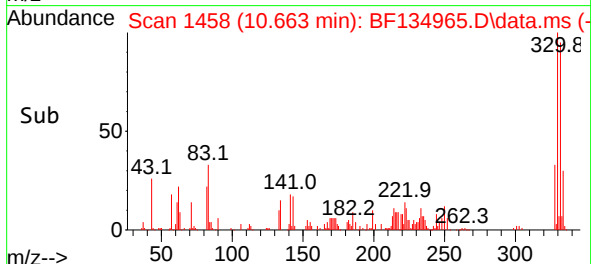
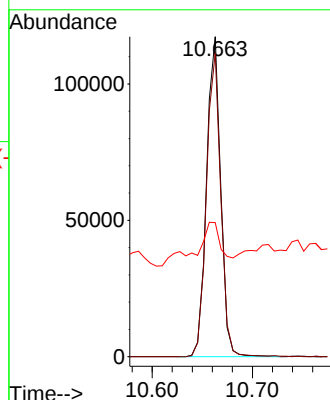
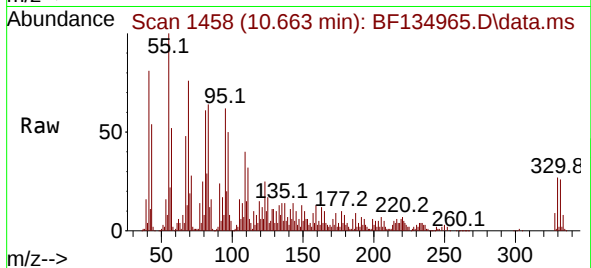
#42
2,4,6-Tribromophenol
Concen: 140.129 ng
RT: 10.663 min Scan# 1452
Delta R.T. 0.035 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

Instrument :
BNA_F
ClientSampleId :
WC-1RE

Tgt Ion:330 Resp: 115062
Ion Ratio Lower Upper
330 100
332 95.9 76.3 114.5
141 10.9 23.4 35.2

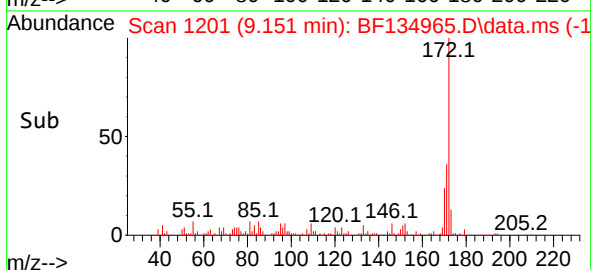
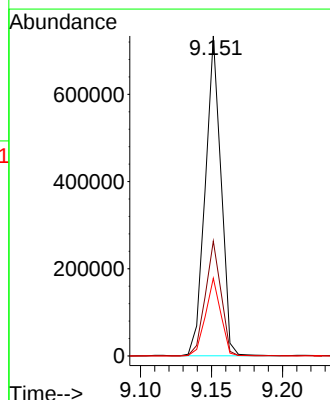
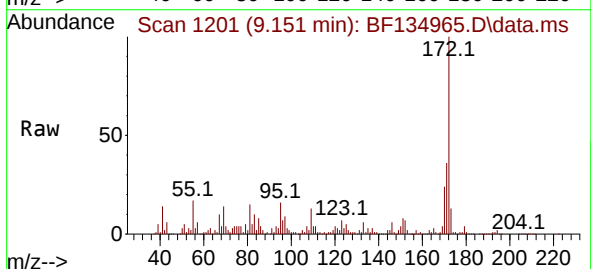
Manual Integrations
APPROVED

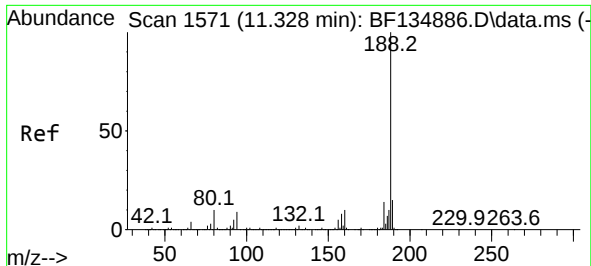
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#45
2-Fluorobiphenyl
Concen: 125.698 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

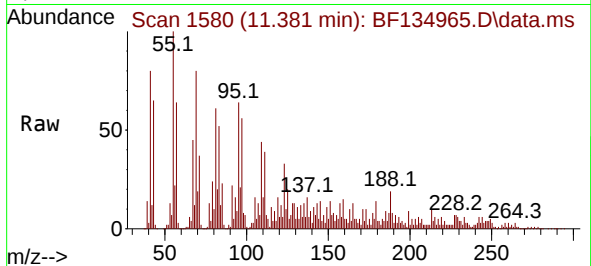
Tgt Ion:172 Resp: 566894
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 24.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng m
RT: 11.381 min Scan# 1580
Delta R.T. 0.053 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

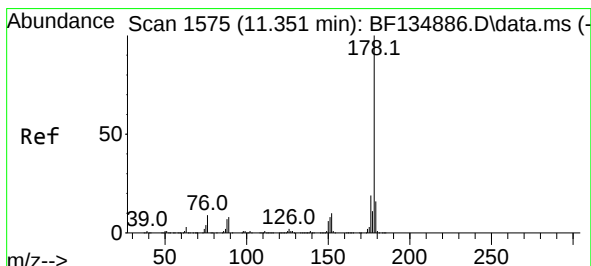
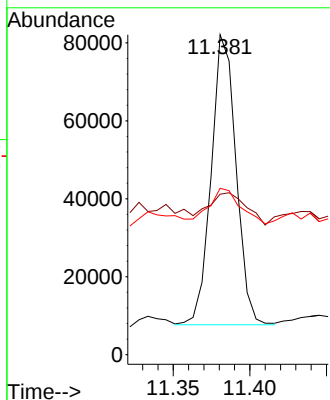
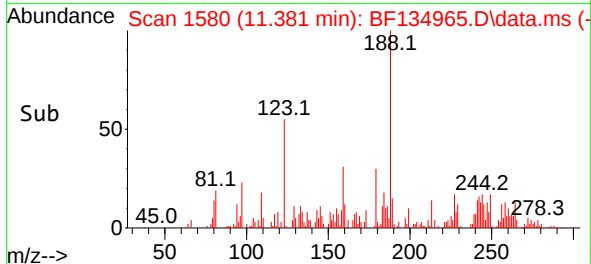
Instrument :
BNA_F
ClientSampleId :
WC-1RE



Tgt Ion:188 Resp: 83829
Ion Ratio Lower Upper
188 100
94 50.1 7.5 11.3#
80 52.0 7.8 11.6#

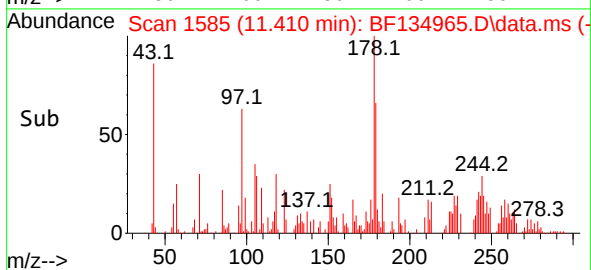
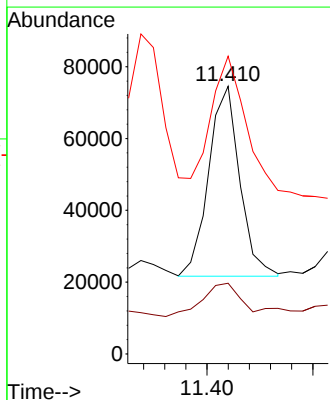
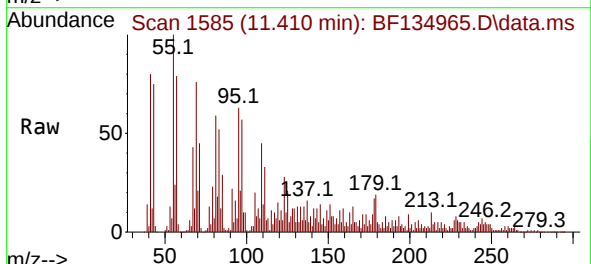
Manual Integrations
APPROVED

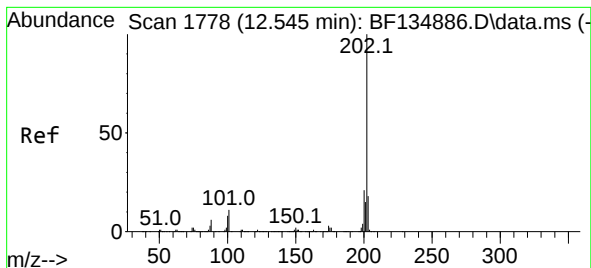
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#71
Phenanthrene
Concen: 12.290 ng m
RT: 11.410 min Scan# 1585
Delta R.T. 0.059 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

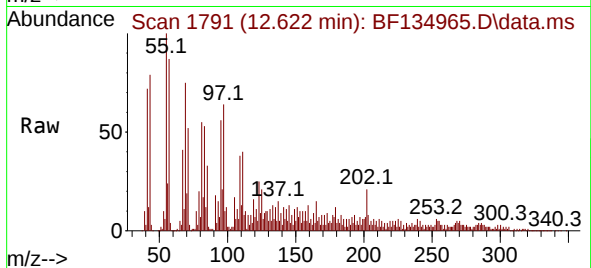
Tgt Ion:178 Resp: 53989
Ion Ratio Lower Upper
178 100
176 26.4 15.5 23.3#
179 111.2 12.6 19.0#





#75
Fluoranthene
Concen: 19.465 ng
RT: 12.622 min Scan# 1778
Delta R.T. 0.077 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

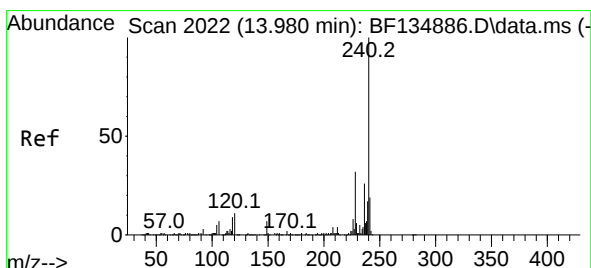
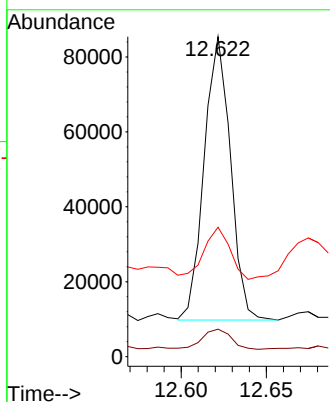
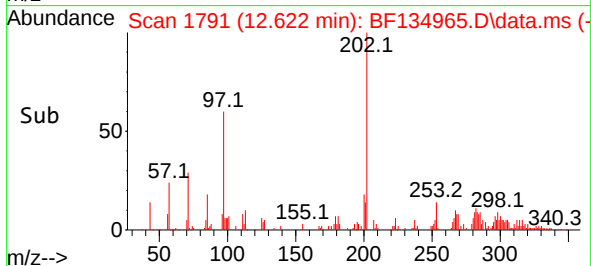
Instrument :
BNA_F
ClientSampleId :
WC-1RE



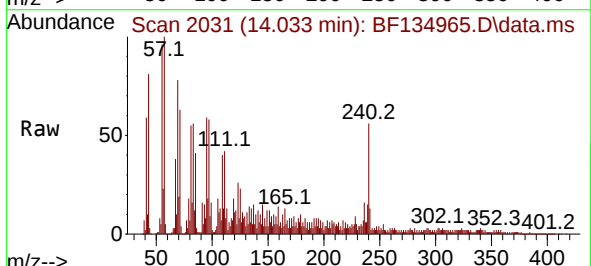
Tgt Ion:202 Resp: 81010
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.5
203 40.5 0.0 37.8

Manual Integrations
APPROVED

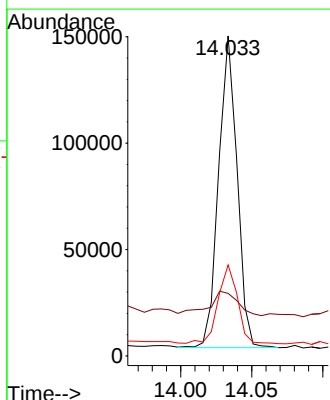
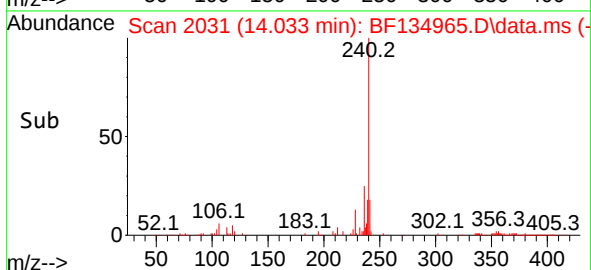
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

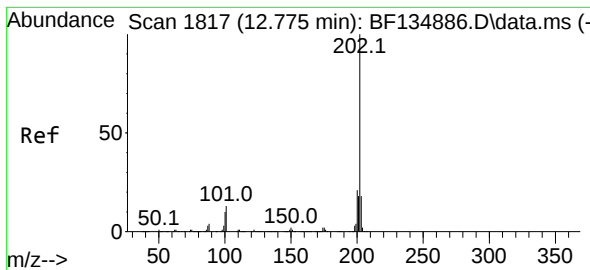


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.053 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19



Tgt Ion:240 Resp: 132707
Ion Ratio Lower Upper
240 100
120 19.5 8.6 12.8#
236 28.4 20.6 31.0





#78

Pyrene

Concen: 5.646 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.077 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Instrument :

BNA_F

ClientSampleId :

WC-1RE

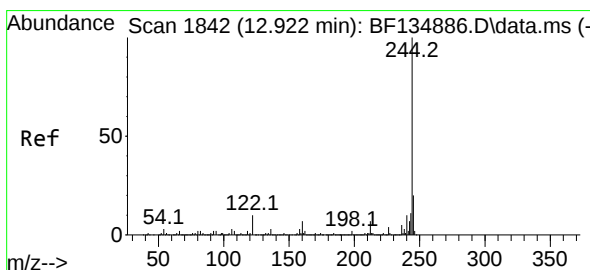
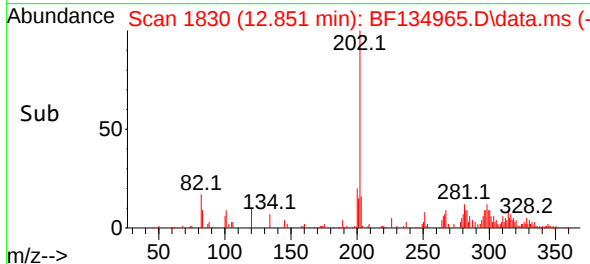
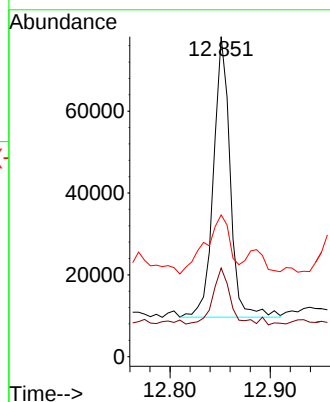
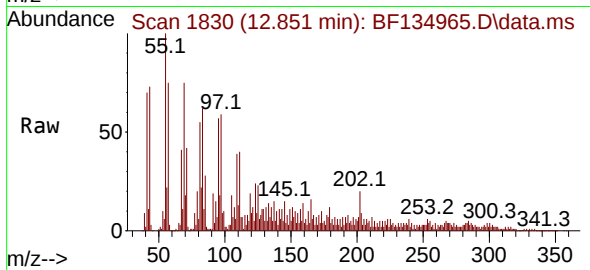
Tgt Ion:202 Resp: 79438
 Ion Ratio Lower Upper
 202 100
 200 27.7 17.1 25.7
 203 44.3 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#79

Terphenyl-d14

Concen: 42.496 ng

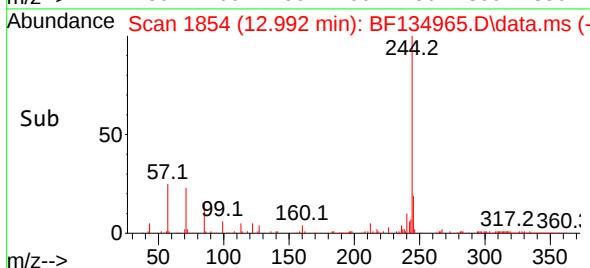
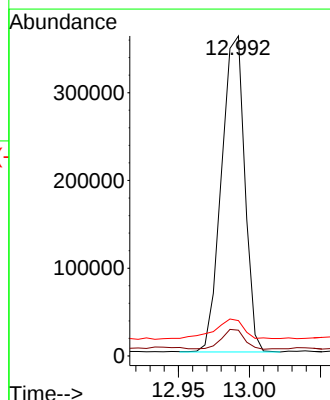
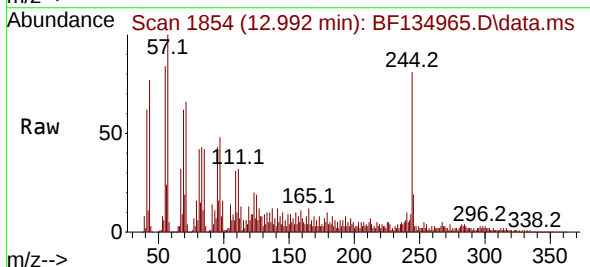
RT: 12.992 min Scan# 1854

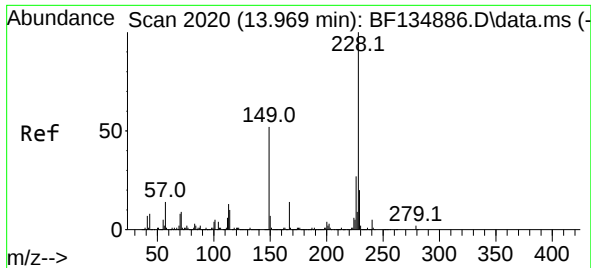
Delta R.T. 0.070 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Tgt Ion:244 Resp: 410031
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.4 8.0
 122 11.1 8.2 12.4





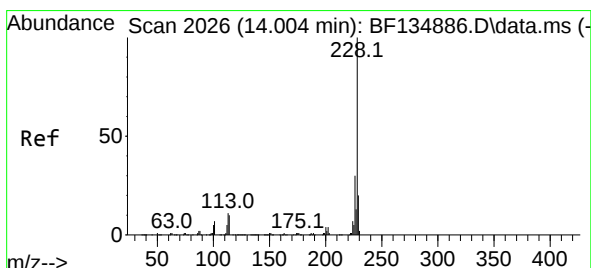
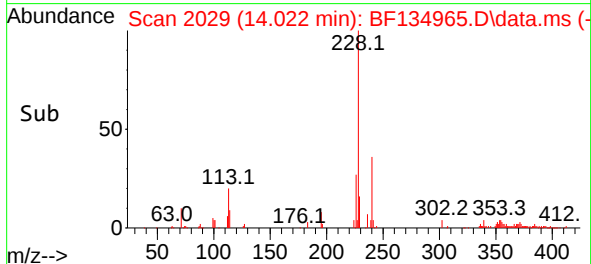
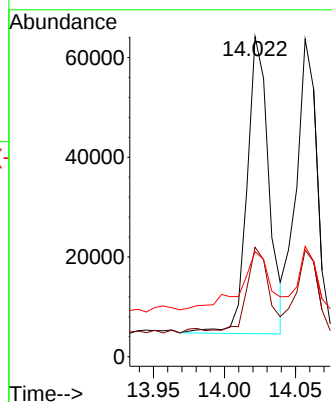
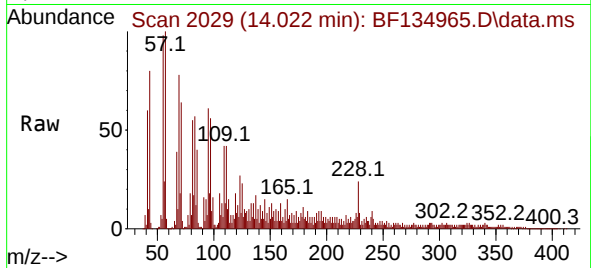
#81
Benzo(a)anthracene
Concen: 6.991 ng
RT: 14.022 min Scan# 2020
Delta R.T. 0.053 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

Instrument :
BNA_F
Client Sample Id :
WC-1RE

Tgt Ion:228 Resp: 63290
Ion Ratio Lower Upper
228 100
226 34.2 21.8 32.6
229 32.9 15.6 23.4

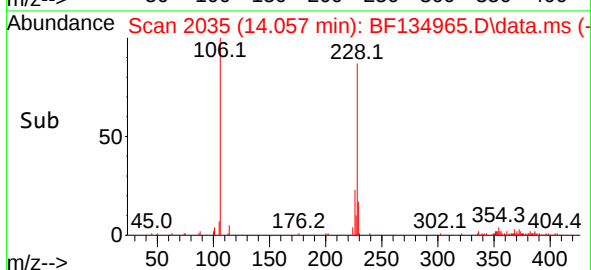
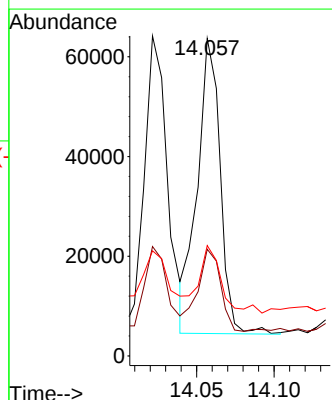
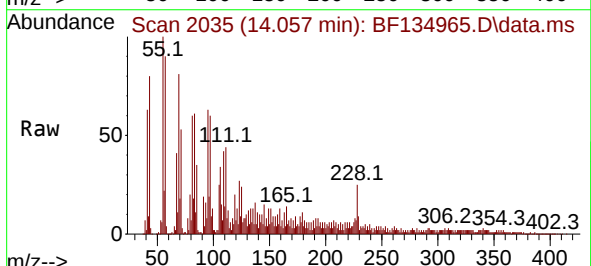
Manual Integrations
APPROVED

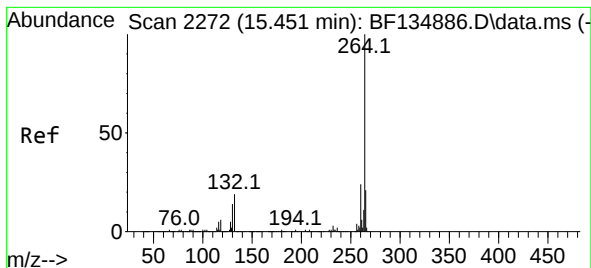
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#83
Chrysene
Concen: 6.814 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.053 min
Lab File: BF134965.D
Acq: 28 Aug 2023 13:19

Tgt Ion:228 Resp: 60873
Ion Ratio Lower Upper
228 100
226 33.6 24.2 36.2
229 34.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Instrument :

BNA_F

ClientSampleId :

WC-1RE

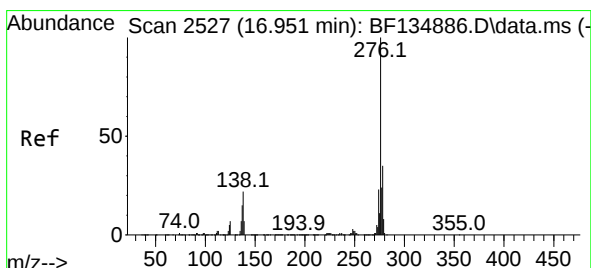
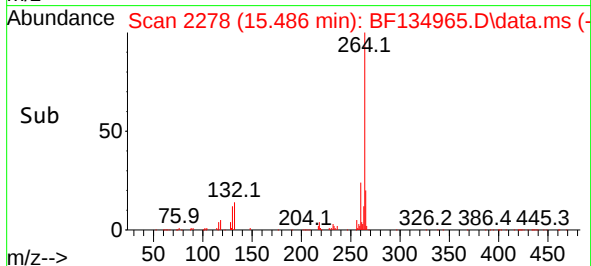
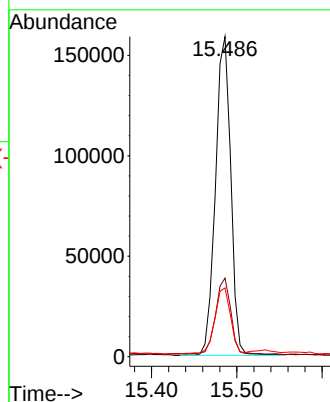
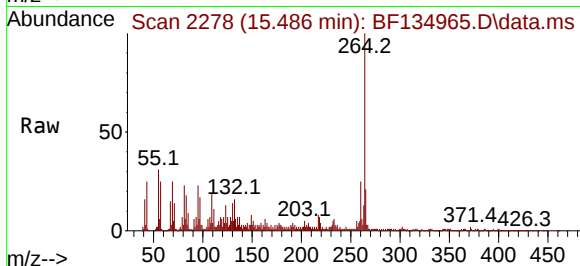
Tgt Ion:	264	Resp:	19847
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.0	28.6
265	21.5	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.440 ng

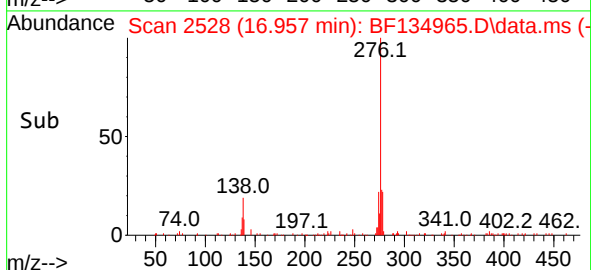
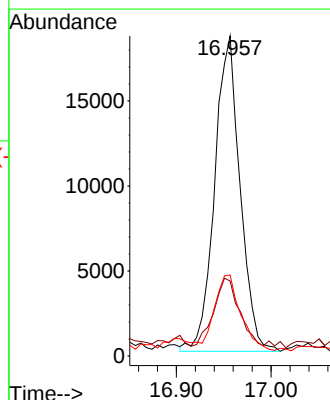
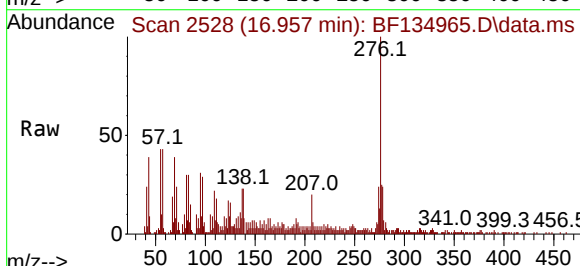
RT: 16.957 min Scan# 2528

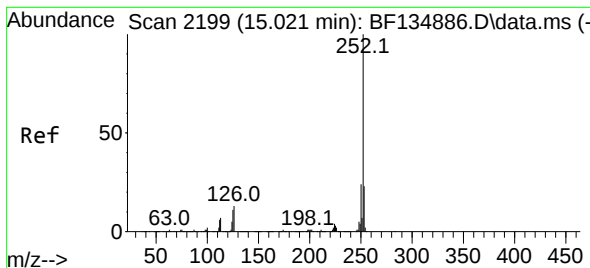
Delta R.T. 0.006 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Tgt Ion:	276	Resp:	34621
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.7	29.5
277	24.9	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 8.492 ng m

RT: 15.057 min Scan# 2199

Delta R.T. 0.035 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Instrument :

BNF

ClientSampleId :

WC-1RE

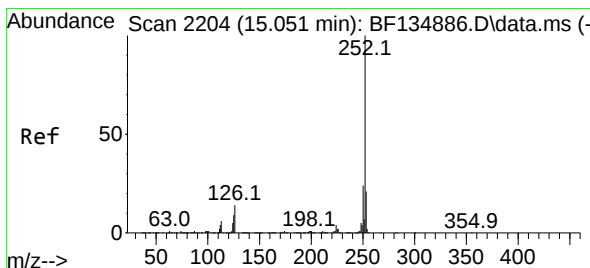
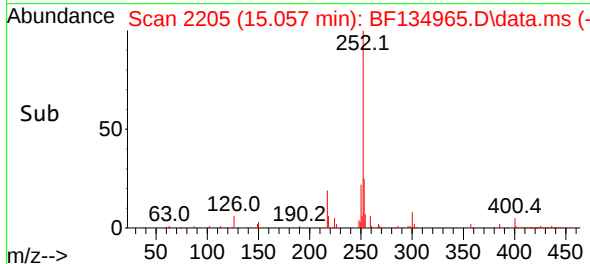
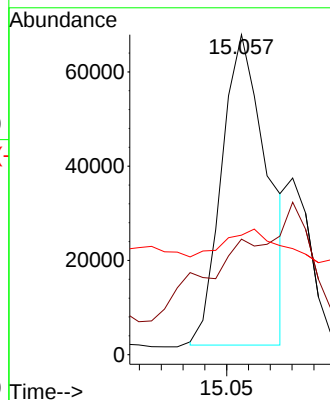
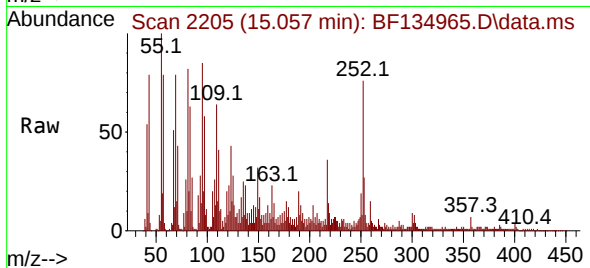
Tgt Ion:252	Resp:	9508
Ion Ratio	Lower	Upper
252	100	
253	36.1	18.1 27.1
125	37.4	8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#89

Benzo(k)fluoranthene

Concen: 2.497 ng m

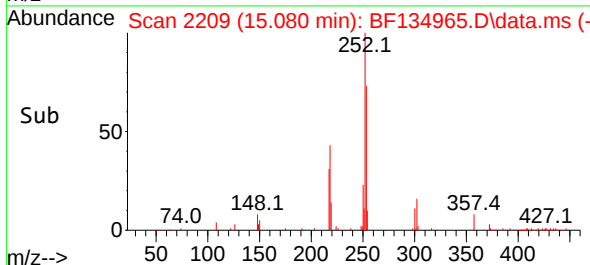
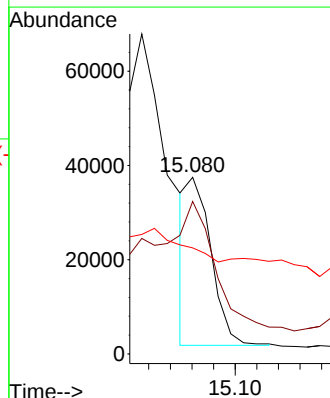
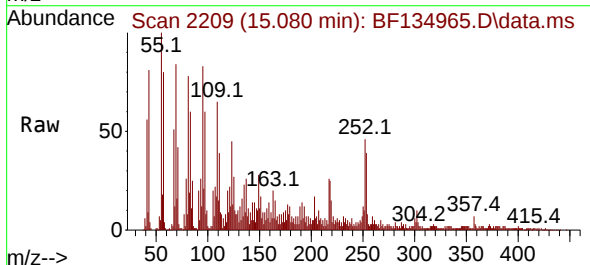
RT: 15.080 min Scan# 2209

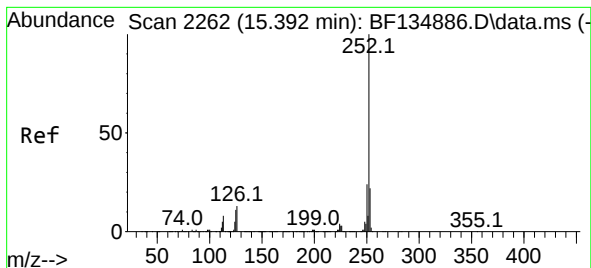
Delta R.T. 0.029 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Tgt Ion:252	Resp:	27460
Ion Ratio	Lower	Upper
252	100	
253	86.3	17.1 25.7
125	60.0	8.0 12.0





#90

Benzo(a)pyrene

Concen: 5.845 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.029 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Instrument :

BNF

ClientSampleId :

WC-1RE

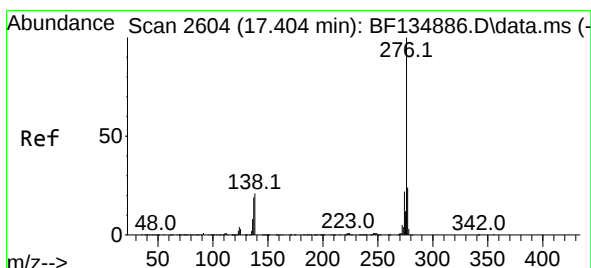
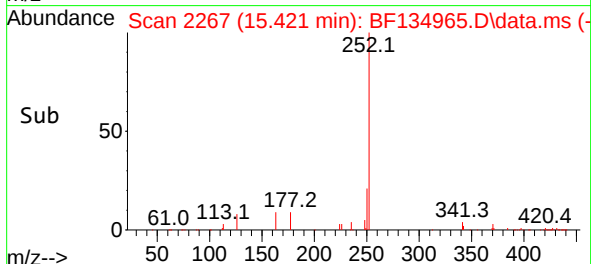
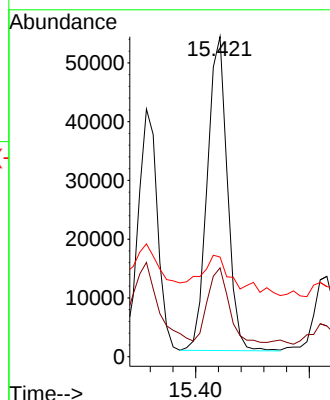
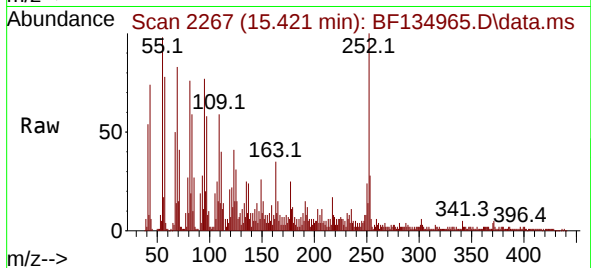
Tgt Ion:	252	Resp:	6533
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.6	26.4
125	31.2	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#92

Benzo(g,h,i)perylene

Concen: 2.616 ng

RT: 17.404 min Scan# 2604

Delta R.T. 0.000 min

Lab File: BF134965.D

Acq: 28 Aug 2023 13:19

Tgt Ion:	276	Resp:	30736
Ion Ratio	Lower	Upper	
276	100		
277	28.9	19.2	28.8
138	22.8	17.0	25.6

