

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134786.D
 Acq On : 15 Aug 2023 16:05
 Operator : CG\JU
 Sample : 03981-01RE 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC081023RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/16/2023
 Supervised By :Sohil Jodhani 08/16/2023

Quant Time: Aug 16 03:11:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140390	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	552668	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	286341	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	449953	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	303984	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	272256	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	64334	6.966	ng	-0.01
7) Phenol-d6	6.422	99	76297	6.463	ng	-0.02
23) Nitrobenzene-d5	7.351	82	47985	5.426	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	18980	6.502	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	114594	6.654	ng	-0.01
79) Terphenyl-d14	12.910	244	101398	5.880	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	151368	6.333	ng	98
75) Fluoranthene	12.533	202	208699	8.267	ng	97
78) Pyrene	12.763	202	182142	6.924	ng	97
81) Benzo(a)anthracene	13.957	228	103545	4.764	ng	97
83) Chrysene	13.992	228	87518	4.133	ng	98
84) Bis(2-ethylhexyl)phtha...	13.957	149	24748	2.364	ng	100
87) Indeno(1,2,3-cd)pyrene	16.927	276	36771	2.296	ng	# 93
88) Benzo(b)fluoranthene	15.010	252	112243m	6.760	ng	
89) Benzo(k)fluoranthene	15.033	252	34182m	2.067	ng	
90) Benzo(a)pyrene	15.374	252	73646	4.757	ng	# 95
92) Benzo(g,h,i)perylene	17.374	276	38300	2.902	ng	# 88

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

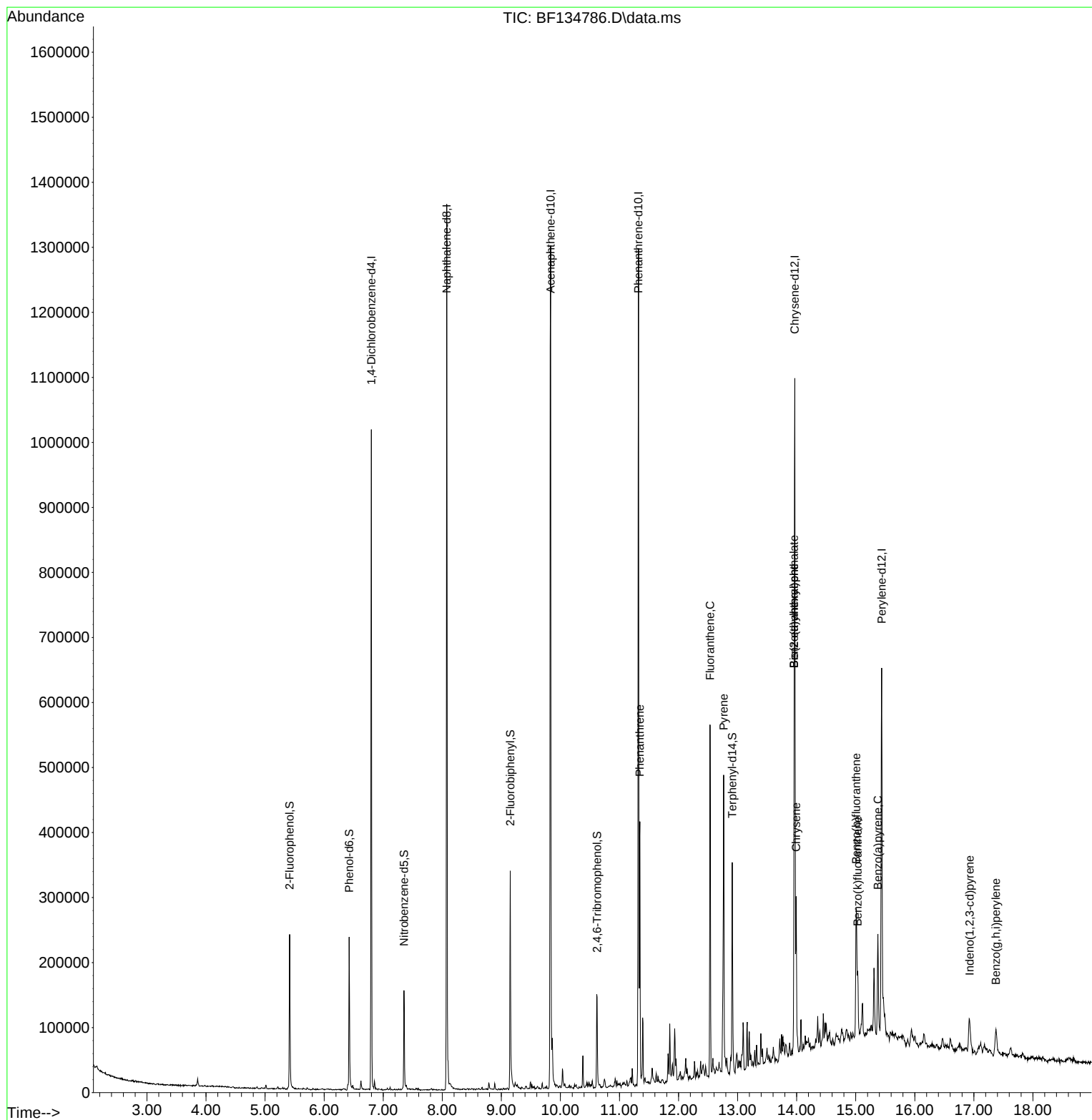
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
Data File : BF134786.D
Acq On : 15 Aug 2023 16:05
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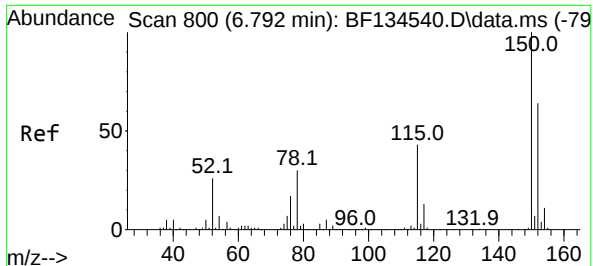
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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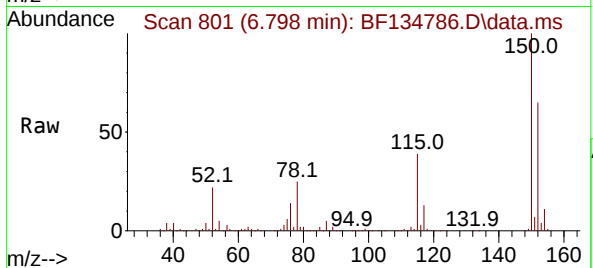
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

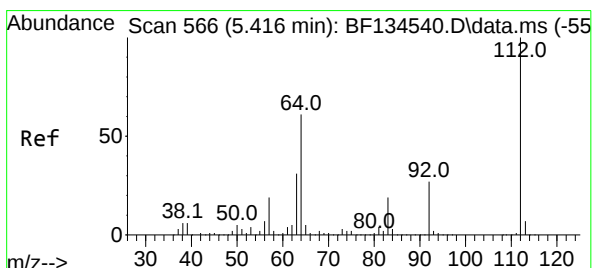
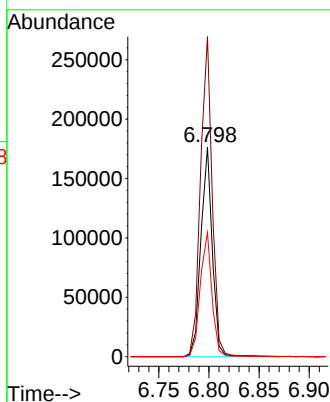
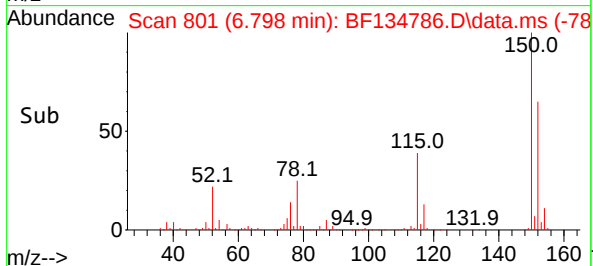
Instrument :
BNA_F
ClientSampleId :
WC081023RE



Tgt Ion:152 Resp: 140390
Ion Ratio Lower Upper
152 100
150 152.8 128.3 192.5
115 59.3 52.4 78.6

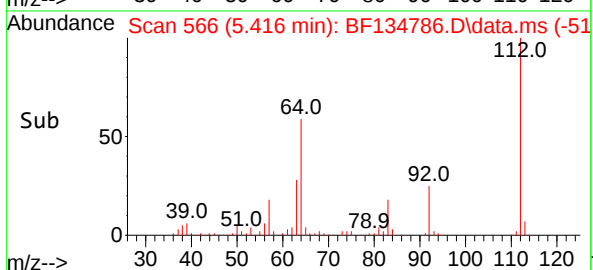
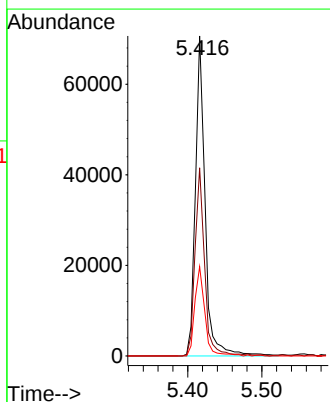
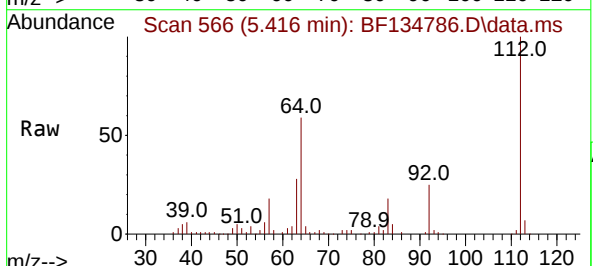
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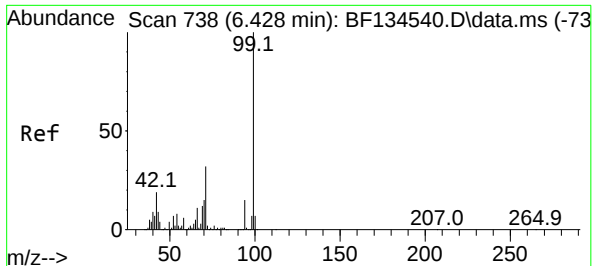
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#5
2-Fluorophenol
Concen: 6.966 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

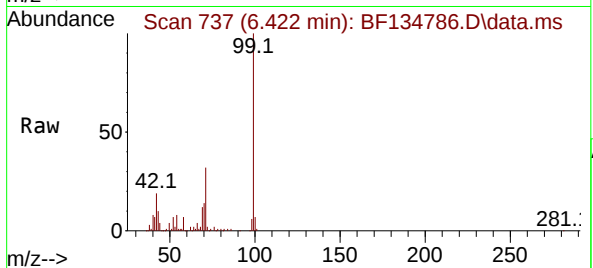
Tgt Ion:112 Resp: 64334
Ion Ratio Lower Upper
112 100
64 58.8 44.9 67.3
63 27.9 25.4 38.0





#7
Phenol-d6
Concen: 6.463 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

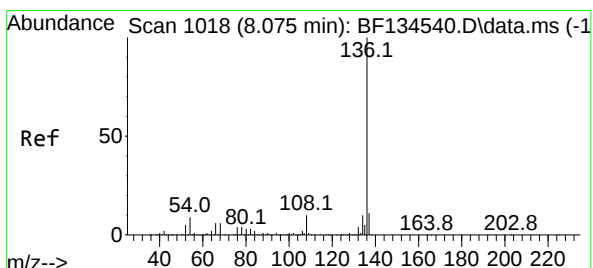
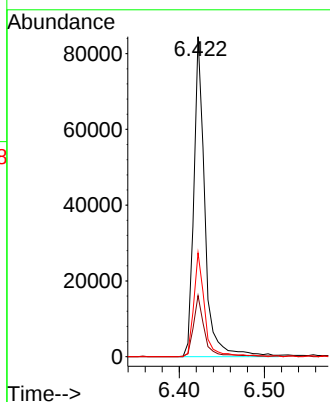
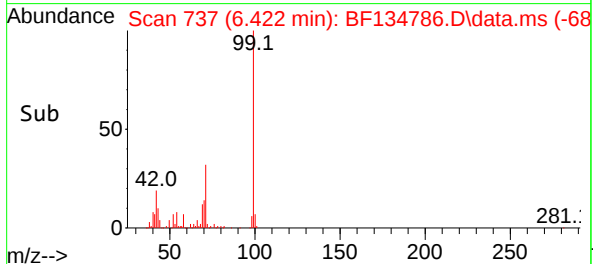
Instrument :
BNA_F
ClientSampleId :
WC081023RE



Tgt Ion: 99 Resp: 7629
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 32.5 36.4 54.6

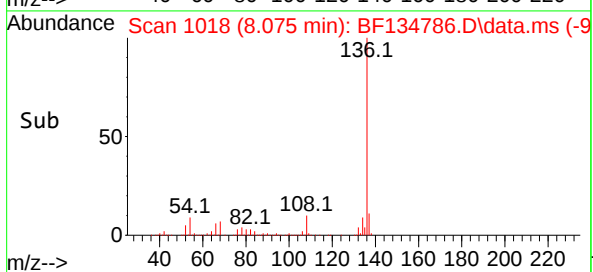
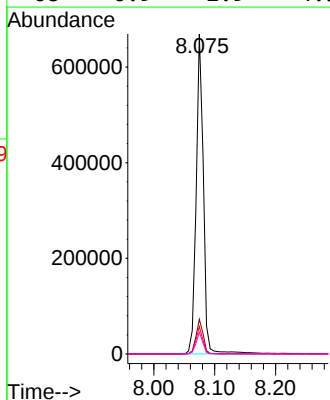
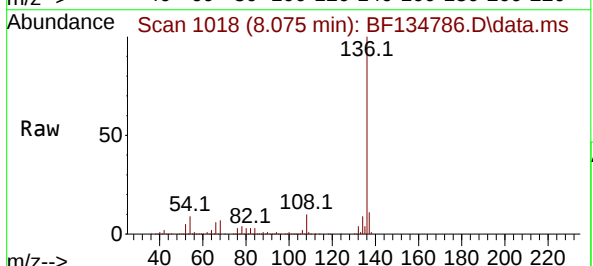
Manual Integrations
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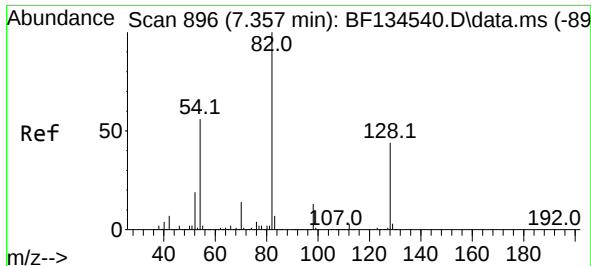
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:136 Resp: 552668
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.6 5.2 7.8#
68 6.9 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 5.426 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

WC081023RE

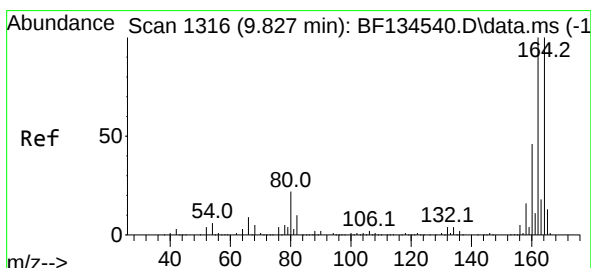
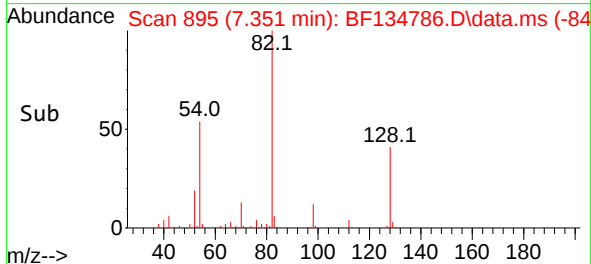
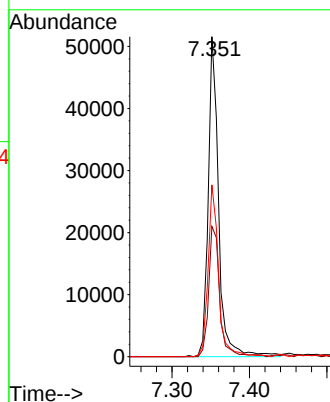
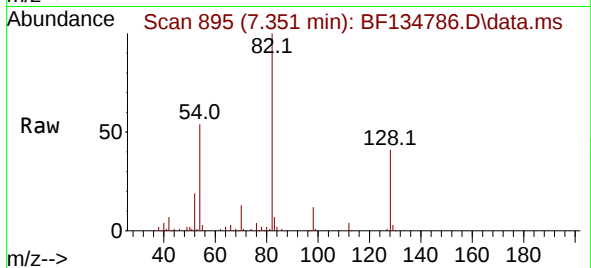
Tgt Ion: 82 Resp: 47985

Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.3	51.5
54	53.7	43.8	65.6

Manual Integrations

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Supervised By :Sohil Jodhani 08/16/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1317

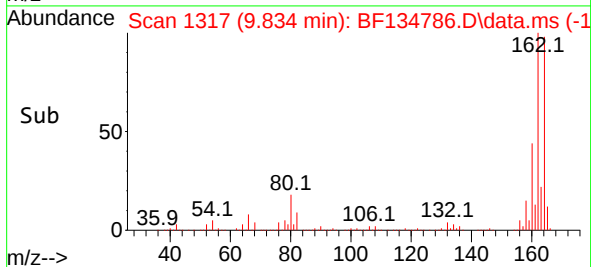
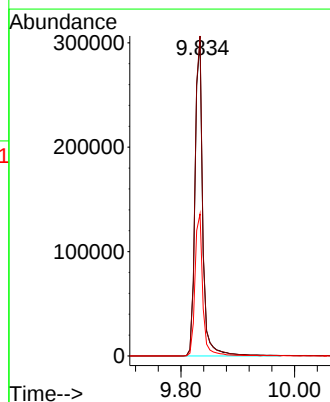
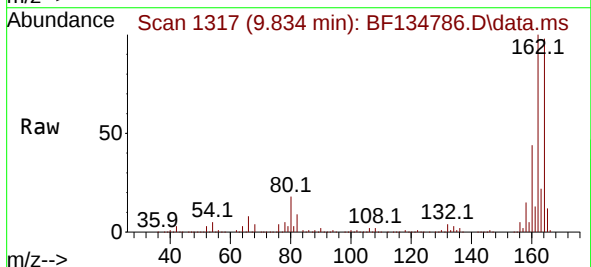
Delta R.T. 0.000 min

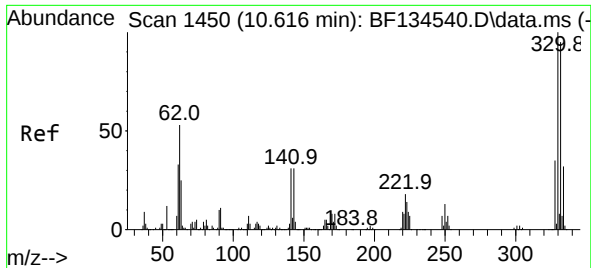
Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Tgt Ion:164 Resp: 286341

Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	45.2	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 6.502 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

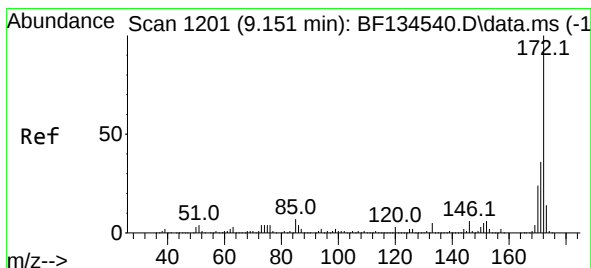
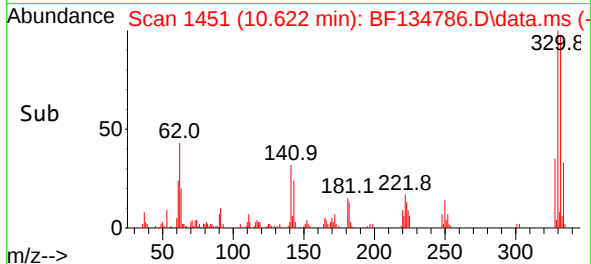
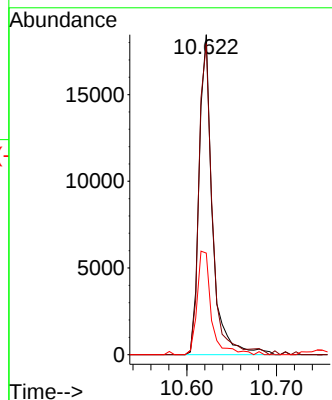
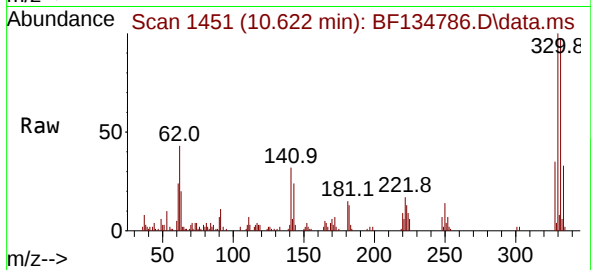
WC081023RE

Tgt Ion: 330 Resp: 18980
Ion Ratio Lower Upper
330 100
332 98.1 78.8 118.2
141 34.9 25.4 38.2

Manual Integrations

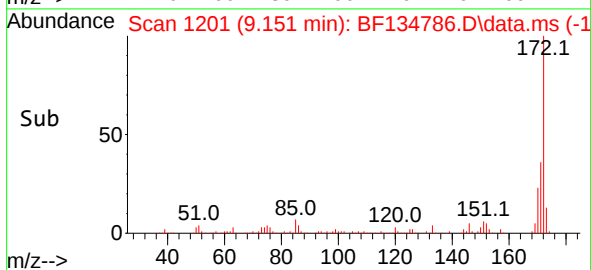
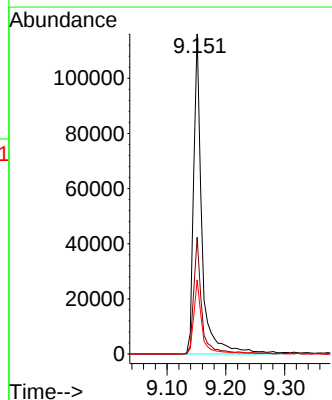
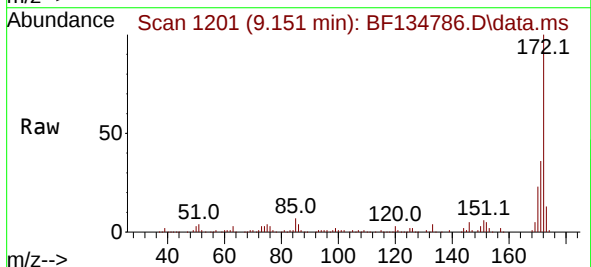
APPROVED

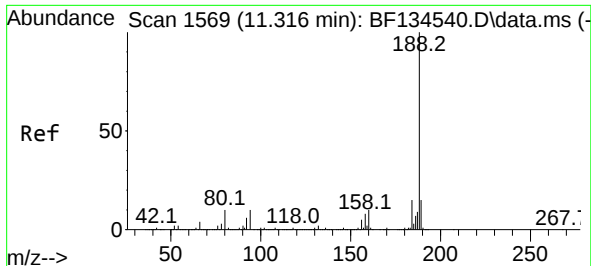
Reviewed By : Yogesh Patel 08/16/2023
Supervised By : Sohil Jodhani 08/16/2023



#45
2-Fluorobiphenyl
Concen: 6.654 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion: 172 Resp: 114594
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 23.2 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

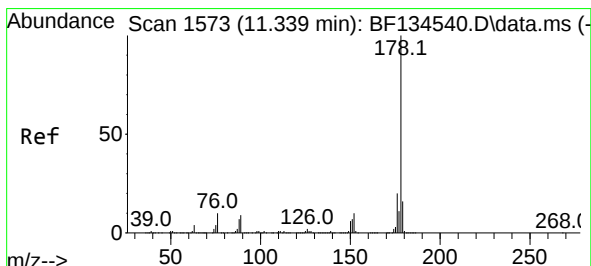
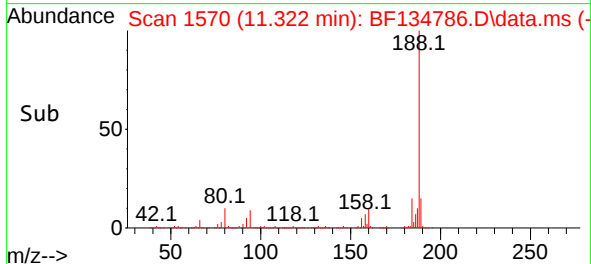
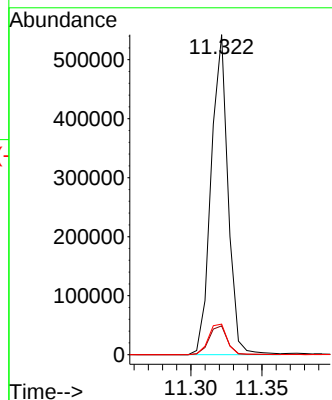
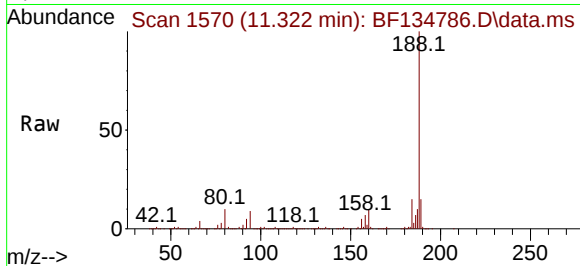
ClientSampleId :

WC081023RE

Tgt Ion:188 Resp: 44995
Ion Ratio Lower Upper
188 100
94 9.0 5.1 7.7
80 9.6 6.6 9.8

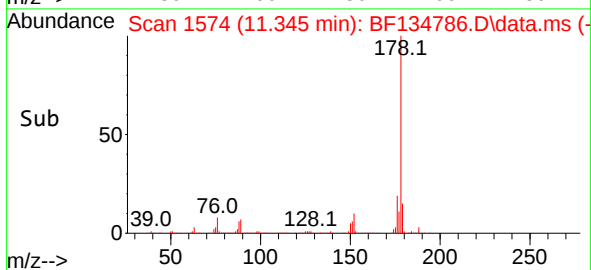
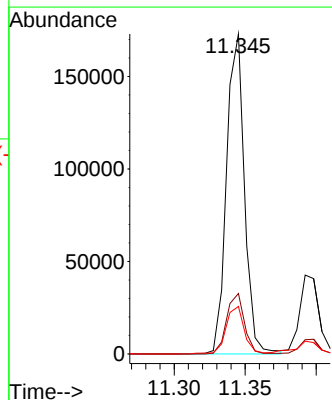
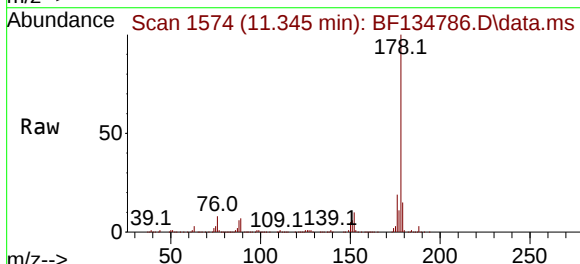
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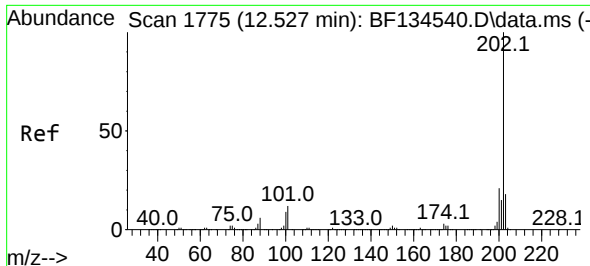
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#71
Phenanthrene
Concen: 6.333 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

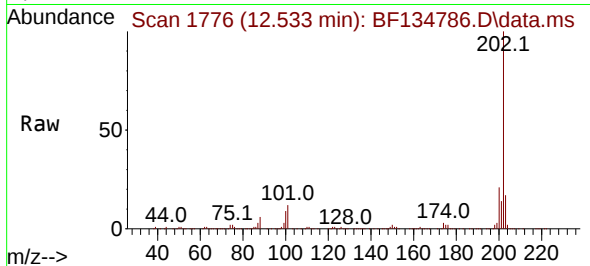
Tgt Ion:178 Resp: 151368
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 12.7 19.1





#75
Fluoranthene
Concen: 8.267 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

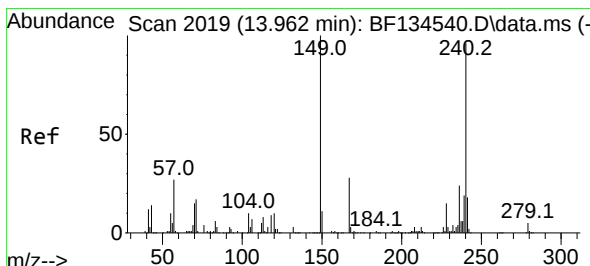
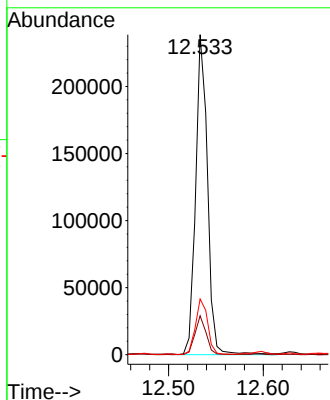
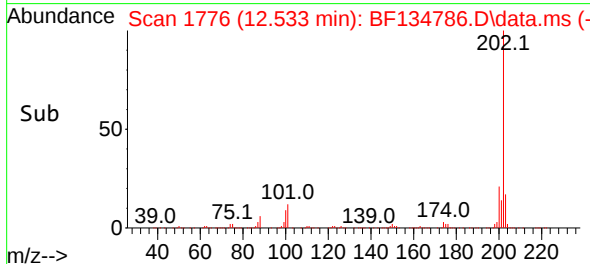
Instrument :
BNA_F
ClientSampleId :
WC081023RE



Tgt Ion:202 Resp: 208699
Ion Ratio Lower Upper
202 100
101 12.2 0.0 28.5
203 17.4 0.0 37.5

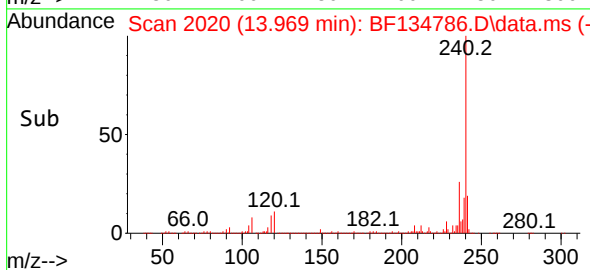
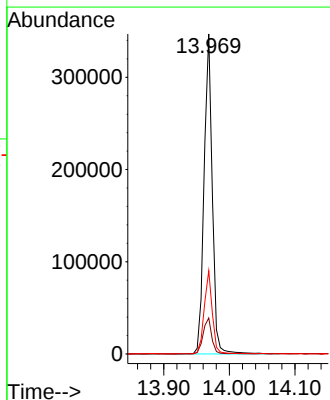
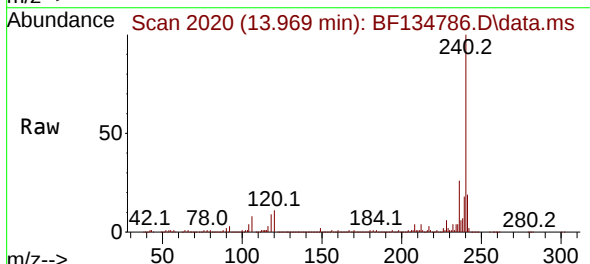
Manual Integrations
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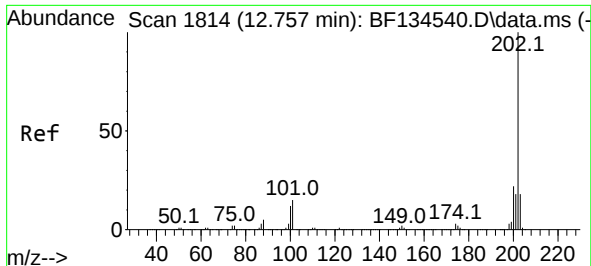
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:240 Resp: 303984
Ion Ratio Lower Upper
240 100
120 11.2 6.6 10.0#
236 26.0 20.2 30.2





#78
Pyrene
Concen: 6.924 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

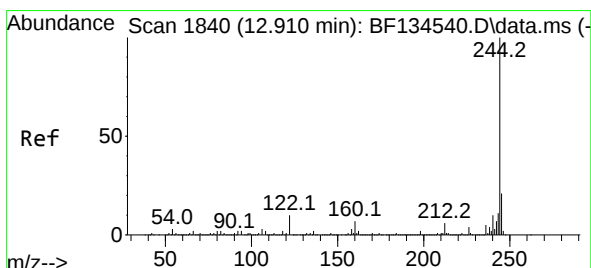
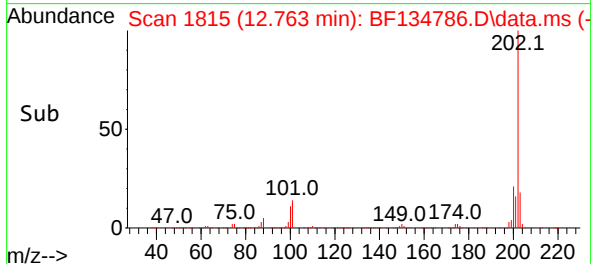
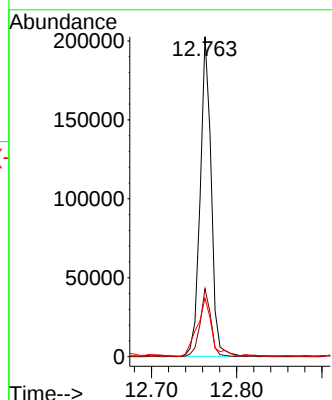
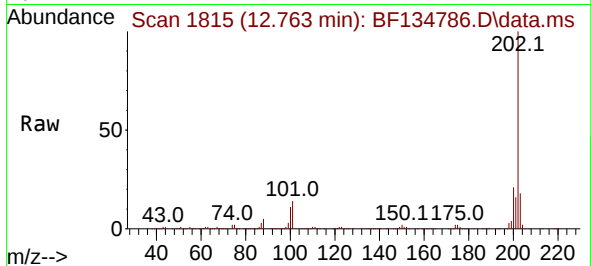
WC081023RE

Tgt Ion:202 Resp: 18214
Ion Ratio Lower Upper
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200 21.2 15.8 23.8
203 18.3 13.5 20.3

Manual Integrations

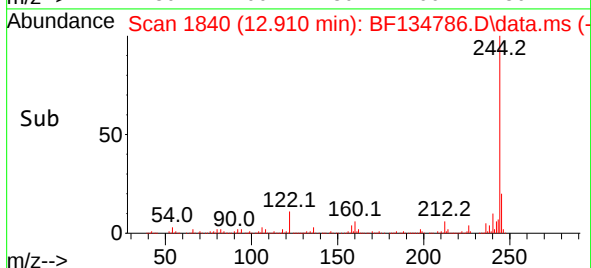
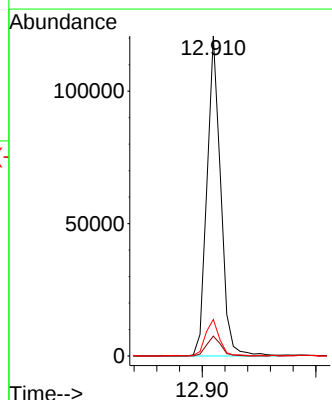
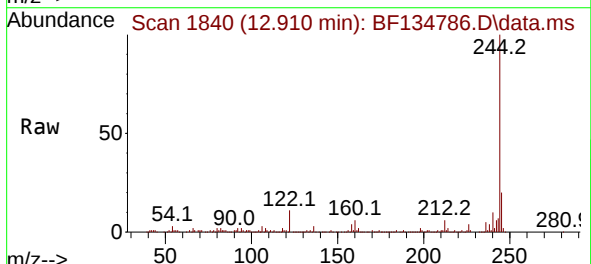
APPROVED

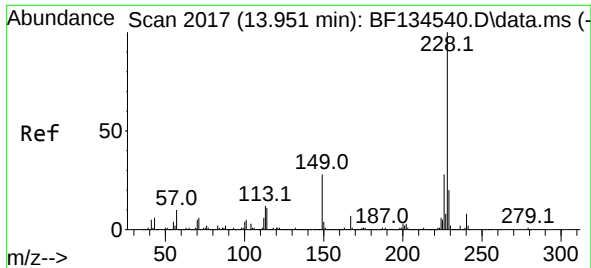
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#79
Terphenyl-d14
Concen: 5.880 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Tgt Ion:244 Resp: 101398
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 11.4 8.0 12.0





#81
Benzo(a)anthracene
Concen: 4.764 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

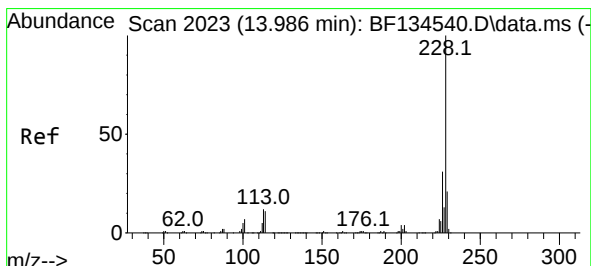
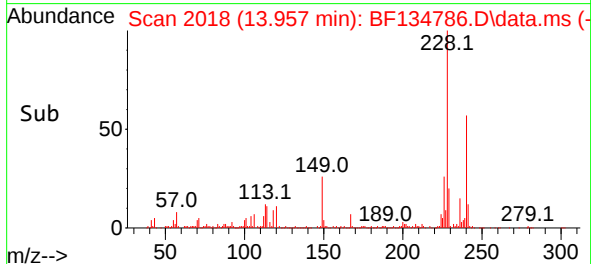
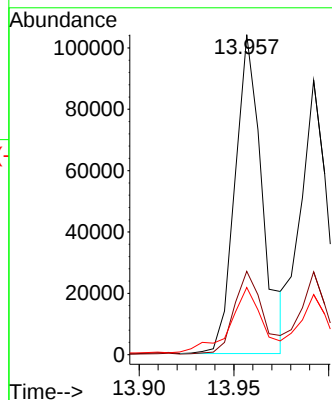
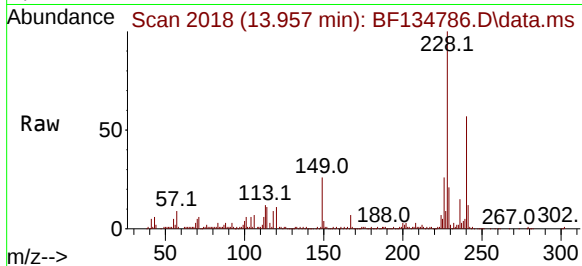
WC081023RE

Tgt Ion:228 Resp: 103549
Ion Ratio Lower Upper
228 100
226 26.0 22.3 33.5
229 21.0 15.8 23.6

Manual Integrations

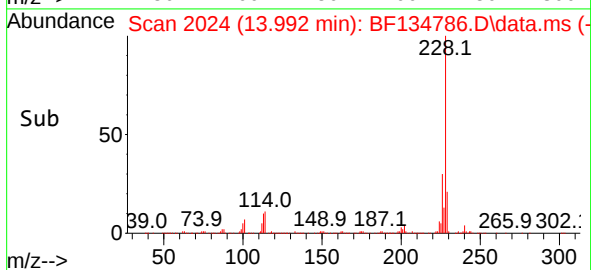
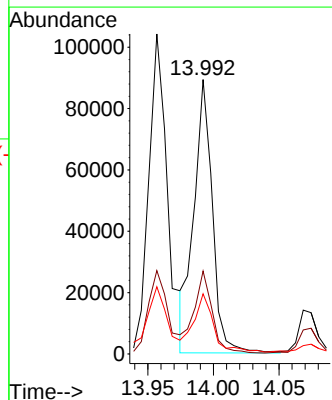
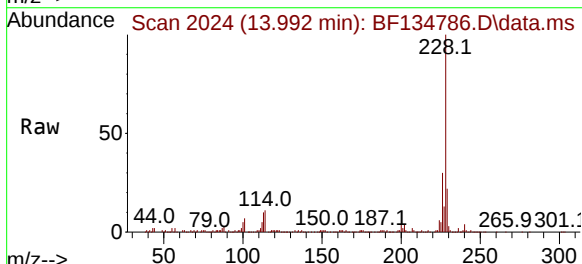
APPROVED

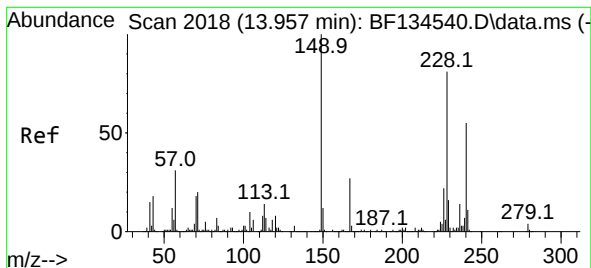
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#83
Chrysene
Concen: 4.133 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

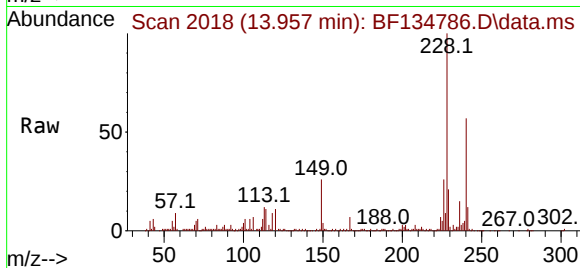
Tgt Ion:228 Resp: 87518
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 21.9 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.364 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

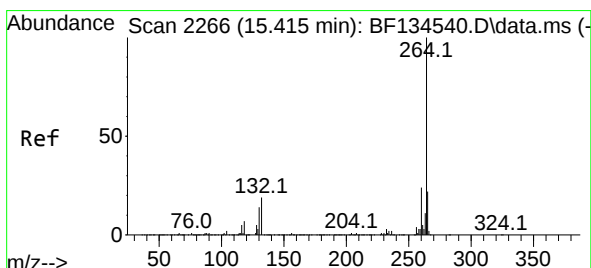
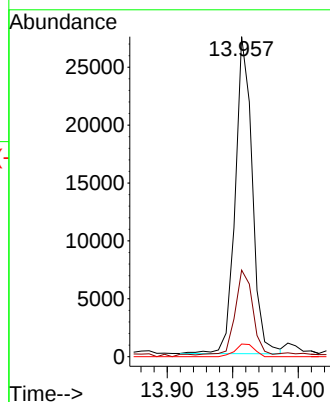
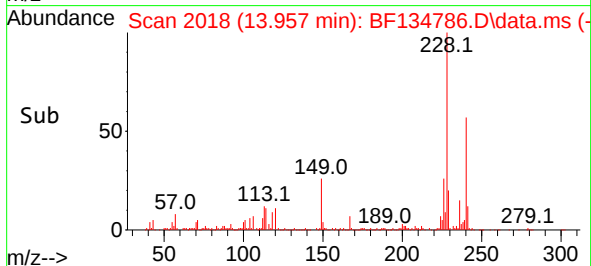
Instrument :
BNA_F
ClientSampleId :
WC081023RE



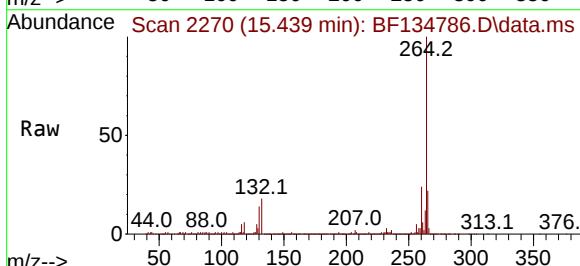
Tgt Ion:149 Resp: 24748
Ion Ratio Lower Upper
149 100
167 27.1 21.6 32.4
279 3.9 3.5 5.3

Manual Integrations
APPROVED

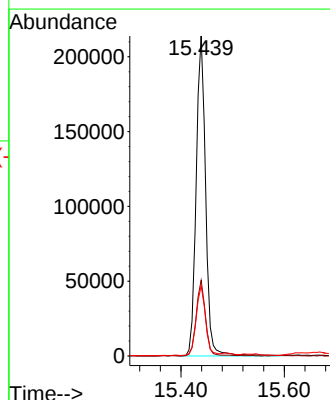
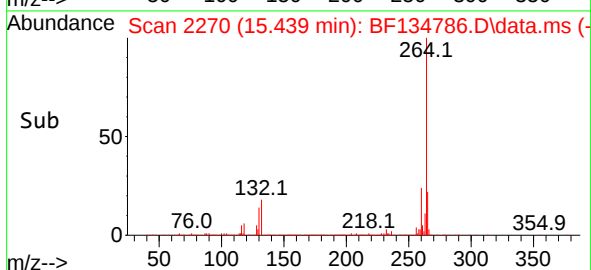
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

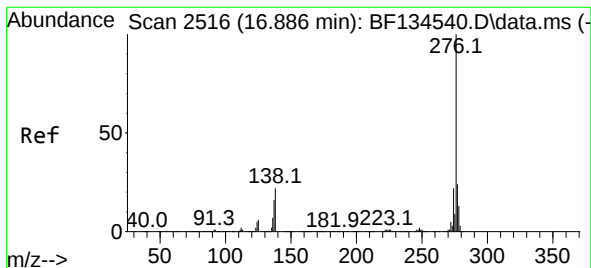


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05



Tgt Ion:264 Resp: 272256
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 21.9 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.296 ng

RT: 16.927 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

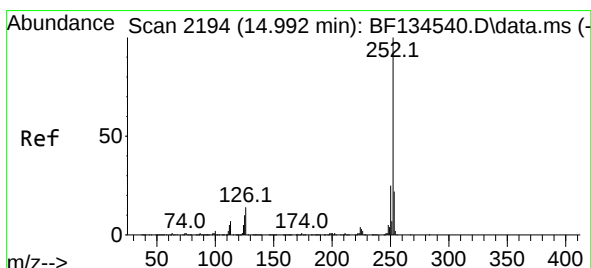
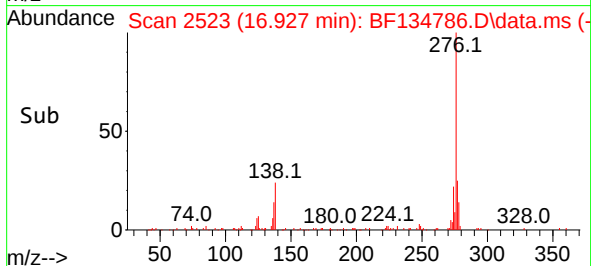
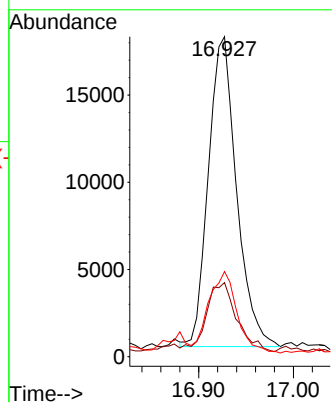
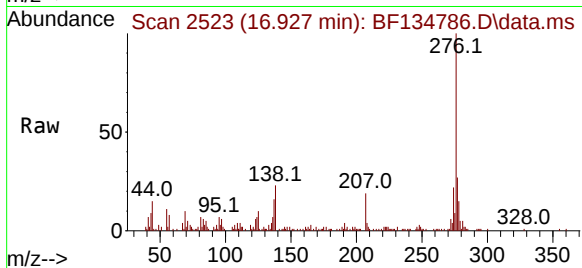
WC081023RE

Tgt Ion:	276	Resp:	3677
Ion Ratio	Lower	Upper	
276	100		
138	23.4	14.2	21.4
277	26.6	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#88

Benzo(b)fluoranthene

Concen: 6.760 ng m

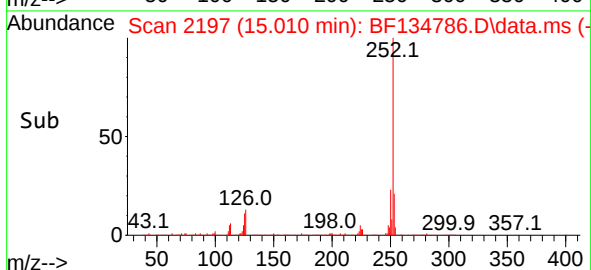
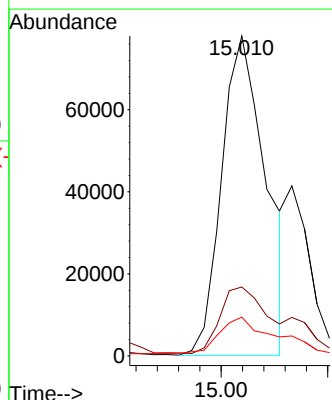
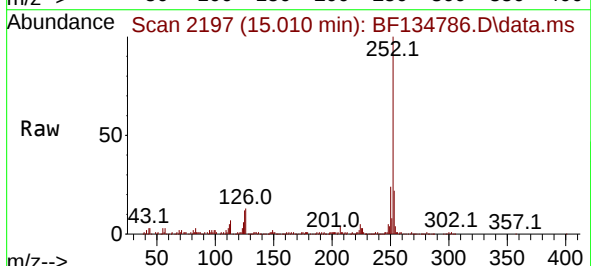
RT: 15.010 min Scan# 2197

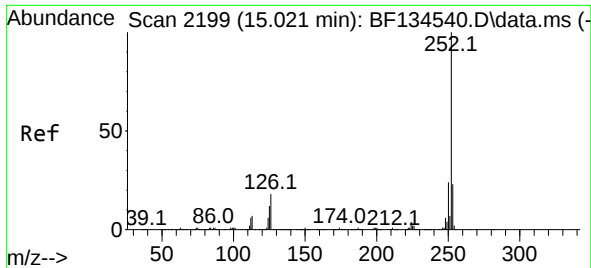
Delta R.T. 0.000 min

Lab File: BF134786.D

Acq: 15 Aug 2023 16:05

Tgt Ion:	252	Resp:	112243
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.3	25.9
125	12.1	6.0	9.0





#89
Benzo(k)fluoranthene
Concen: 2.067 ng m
RT: 15.033 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Instrument :

BNA_F

ClientSampleId :

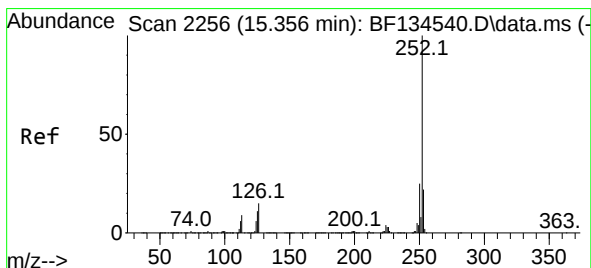
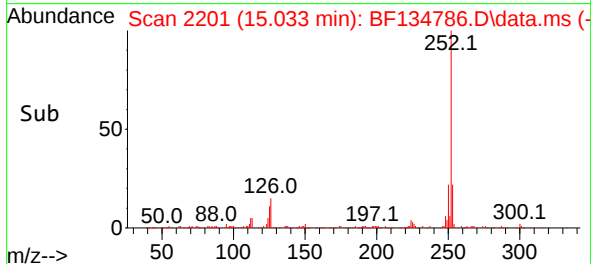
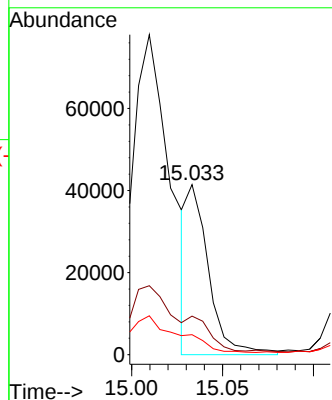
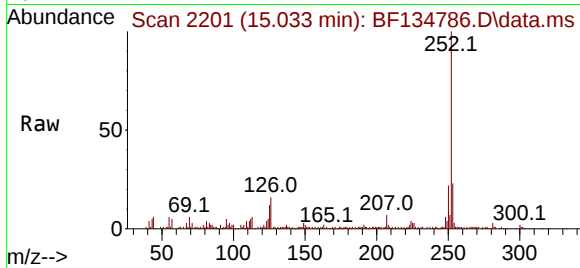
WC081023RE

Tgt Ion:252 Resp: 3418
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 11.8 6.3 9.5

Manual Integrations

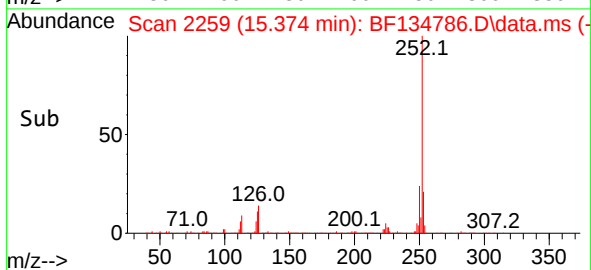
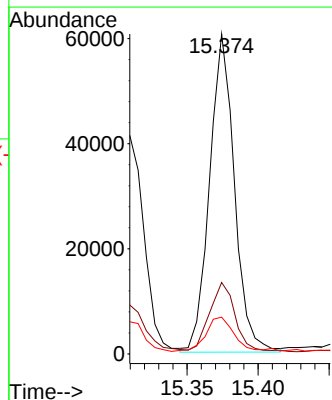
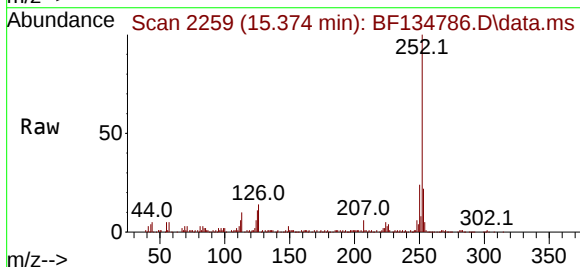
APPROVED

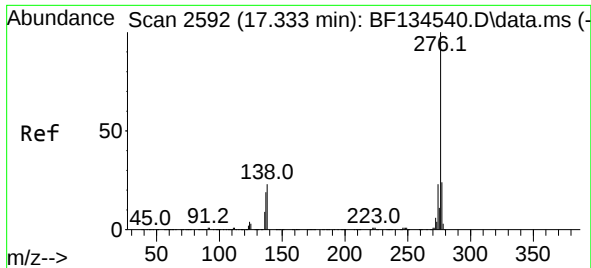
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#90
Benzo(a)pyrene
Concen: 4.757 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

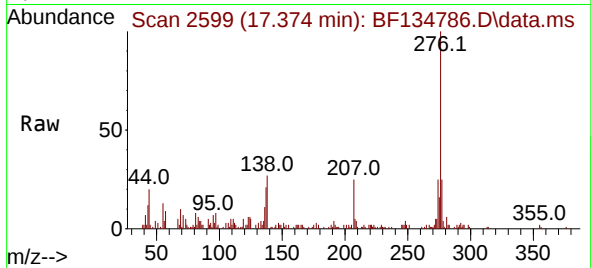
Tgt Ion:252 Resp: 73646
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 11.5 6.2 9.4





#92
Benzo(g,h,i)perylene
Concen: 2.902 ng
RT: 17.374 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134786.D
Acq: 15 Aug 2023 16:05

Instrument :
BNA_F
ClientSampleId :
WC081023RE



Tgt Ion: 276 Resp: 38300
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 27.4 12.2 18.2

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 08/16/2023
Supervised By : Sohil Jodhani 08/16/2023

