

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
 Data File : BF134826.D
 Acq On : 17 Aug 2023 20:01
 Operator : CG\JU
 Sample : 04045-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 350

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/18/2023
 Supervised By :mohammad ahmed 08/18/2023

Quant Time: Aug 18 01:07:57 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	6.793	152	130015	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	505757	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	242325	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	391501	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	269465	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	349012	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	796018	93.068	ng	0.00
7) Phenol-d6	6.428	99	981429	89.764	ng	-0.01
23) Nitrobenzene-d5	7.351	82	604333	74.673	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	238964	96.736	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1089139	74.730	ng	-0.02
79) Terphenyl-d14	12.910	244	902203	59.023	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	51900	2.496	ng	99
75) Fluoranthene	12.533	202	123869	5.639	ng	98
78) Pyrene	12.757	202	102777	4.408	ng	99
81) Benzo(a)anthracene	13.951	228	62030	3.219	ng	99
83) Chrysene	13.986	228	71527	3.810	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	50042	2.438	ng	# 93
88) Benzo(b)fluoranthene	15.004	252	123846m	5.818	ng	
90) Benzo(a)pyrene	15.368	252	69595	3.507	ng	# 91
92) Benzo(g,h,i)perylene	17.362	276	47777	2.823	ng	# 88

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

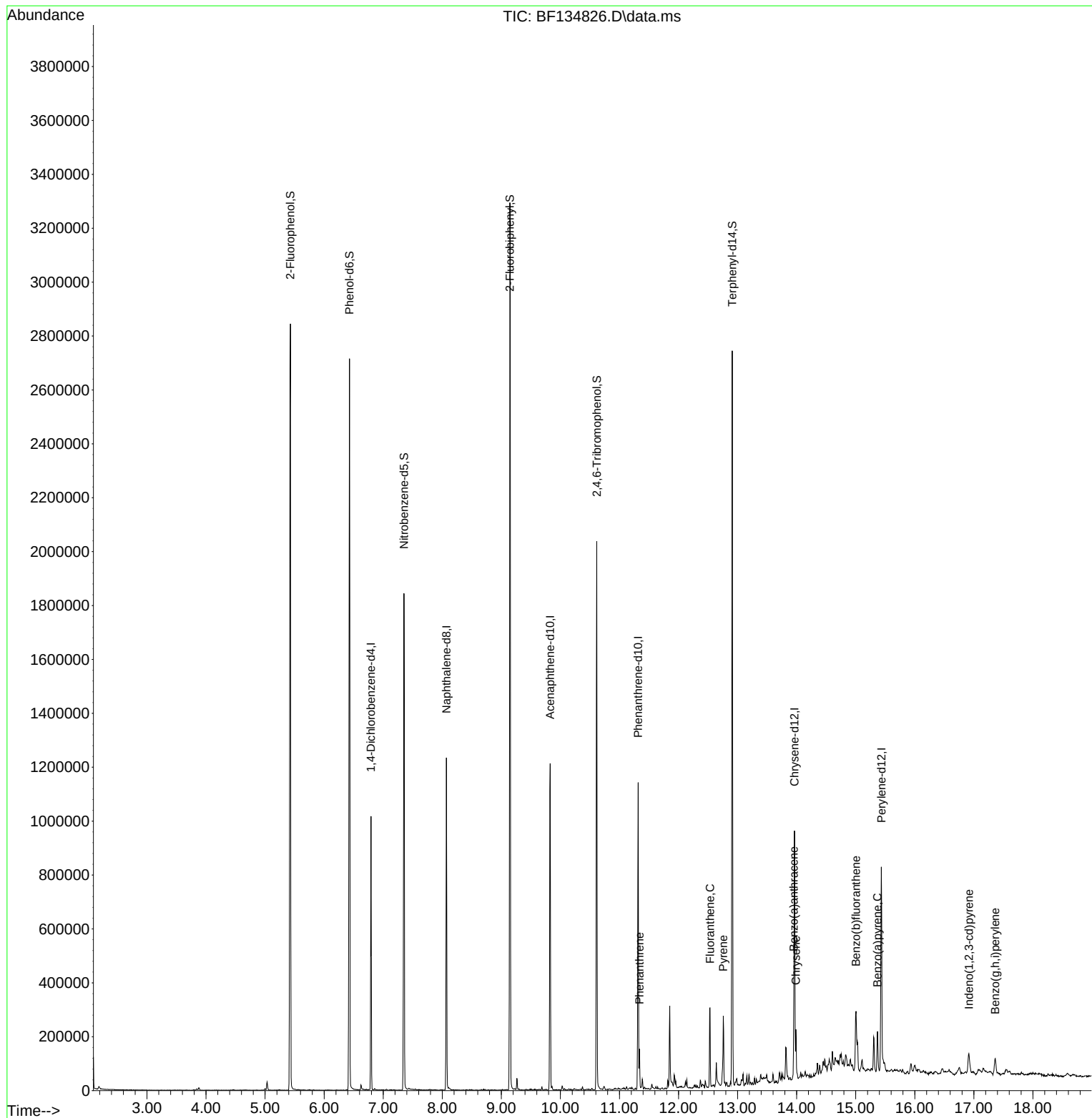
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081723\
Data File : BF134826.D
Acq On : 17 Aug 2023 20:01
Operator : CG\JU
Sample : 04045-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

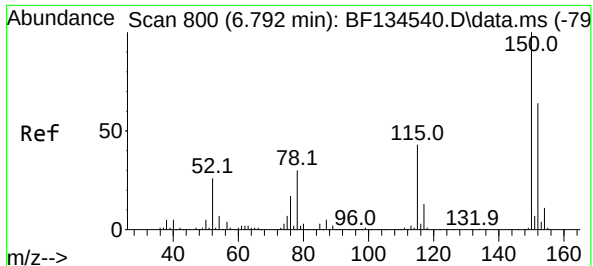
Instrument :
BNA_F
ClientSampleId :
350

Quant Time: Aug 18 01:07:57 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

Manual Integrations
APPROVED

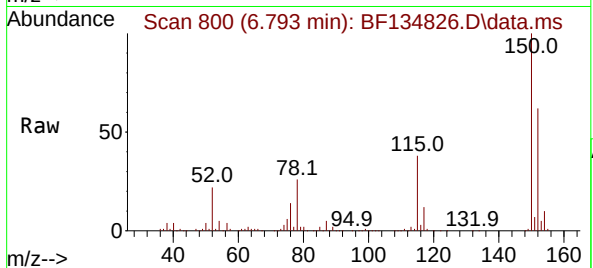
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

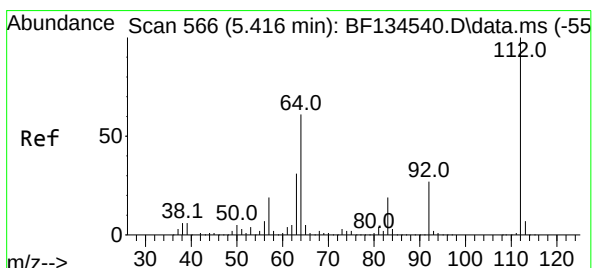
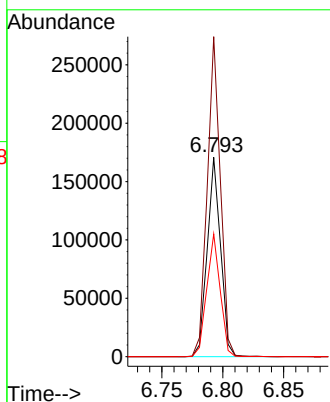
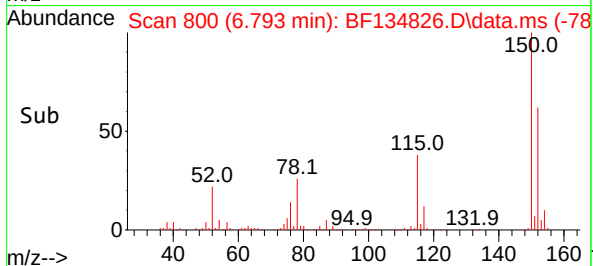
Instrument :
BNA_F
ClientSampleId :
350



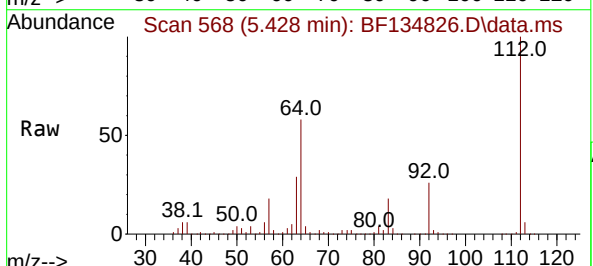
Tgt Ion:152 Resp: 130015
Ion Ratio Lower Upper
152 100
150 160.5 128.3 192.5
115 61.5 52.4 78.6

Manual Integrations
APPROVED

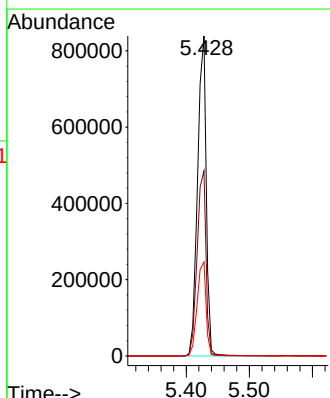
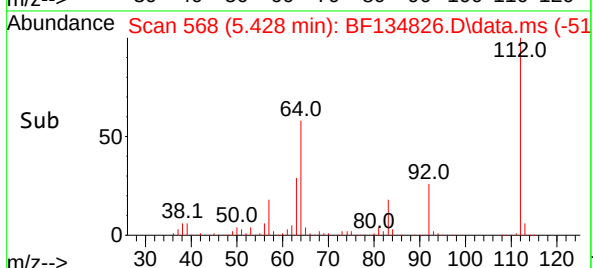
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

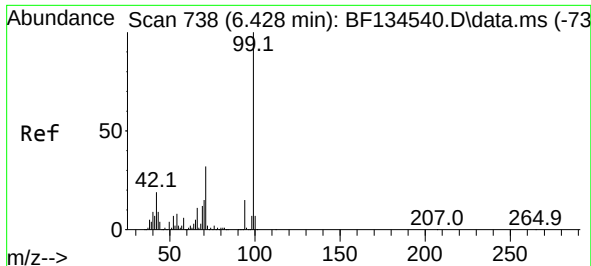


#5
2-Fluorophenol
Concen: 93.068 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01



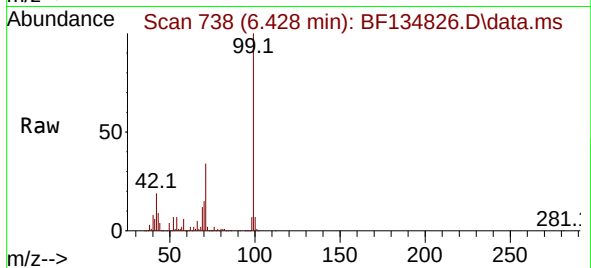
Tgt Ion:112 Resp: 796018
Ion Ratio Lower Upper
112 100
64 57.8 44.9 67.3
63 29.3 25.4 38.0





#7
Phenol-d6
Concen: 89.764 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

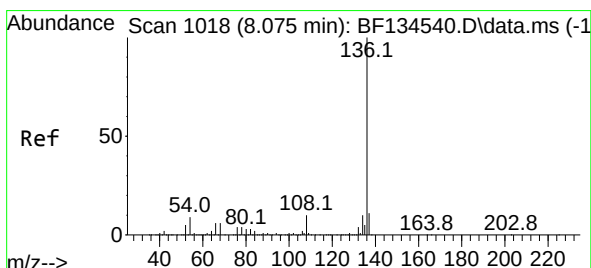
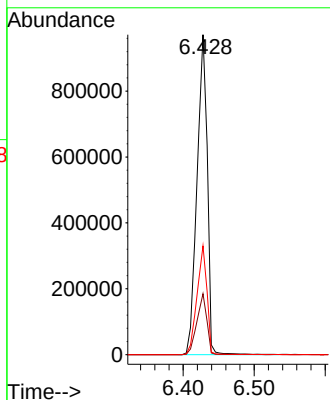
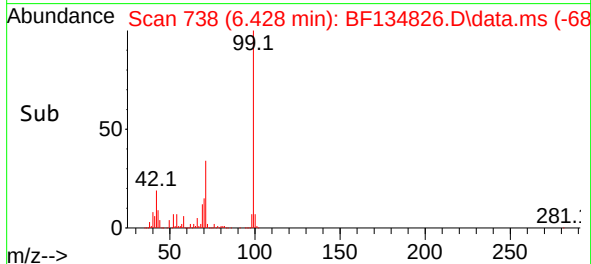
Instrument :
BNA_F
ClientSampleId :
350



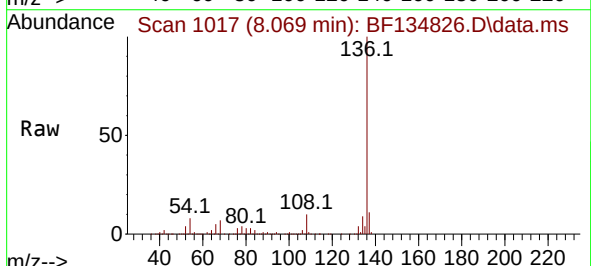
Tgt Ion: 99 Resp: 981429
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 34.0 36.4 54.6

Manual Integrations
APPROVED

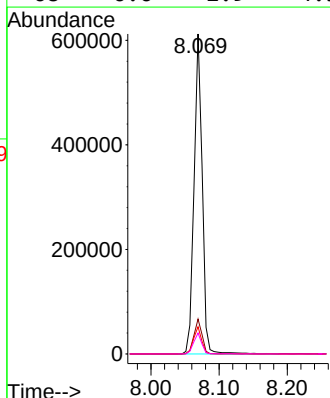
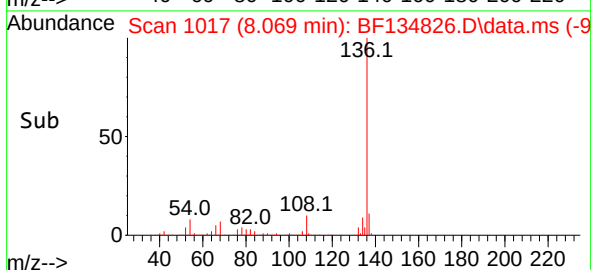
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

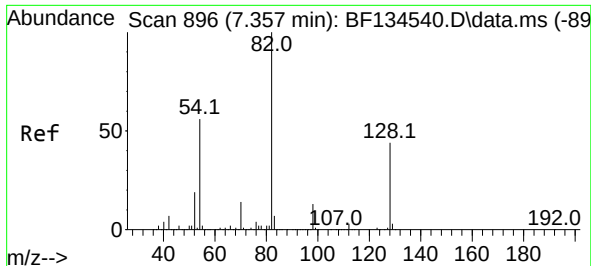


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01



Tgt Ion:136 Resp: 505757
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.5 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 74.673 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

Instrument :

BNA_F

ClientSampleId :

350

Tgt Ion: 82 Resp: 60433

Ion Ratio Lower Upper

82 100

128 44.4 34.3 51.5

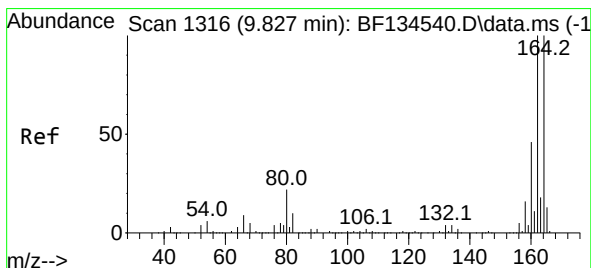
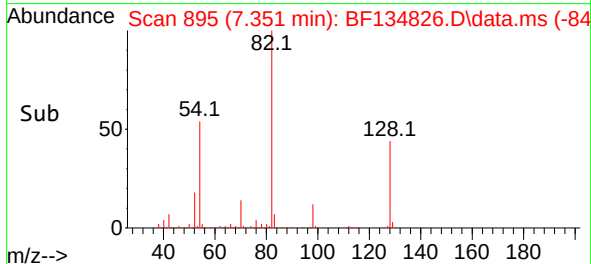
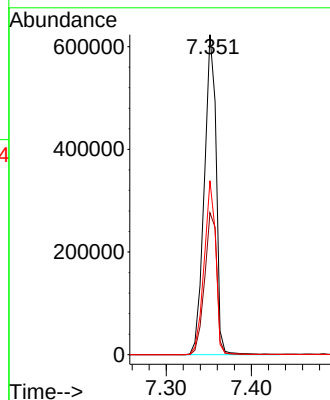
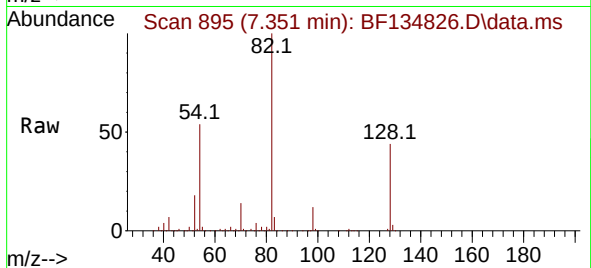
54 54.3 43.8 65.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/18/2023

Supervised By :mohammad ahmed 08/18/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134826.D

Acq: 17 Aug 2023 20:01

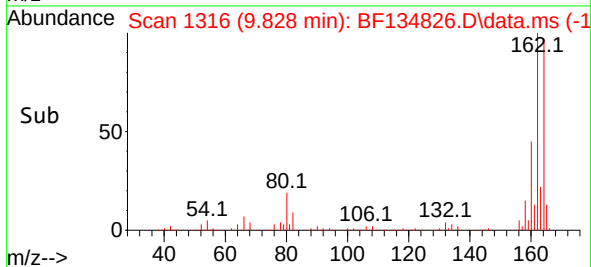
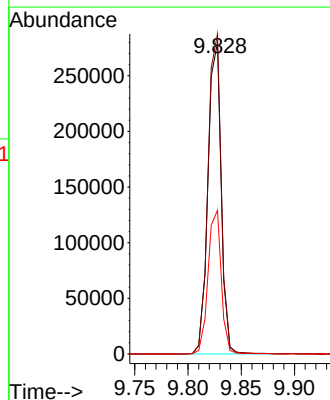
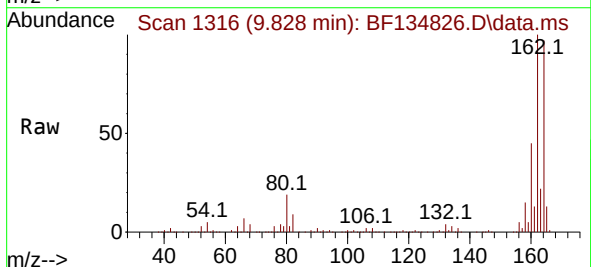
Tgt Ion:164 Resp: 242325

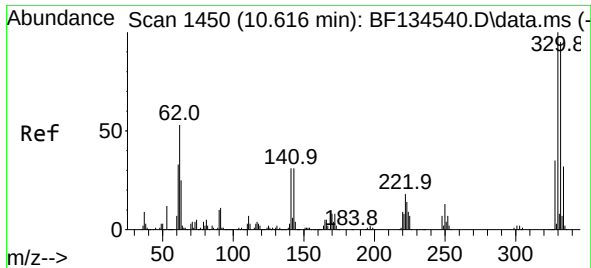
Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

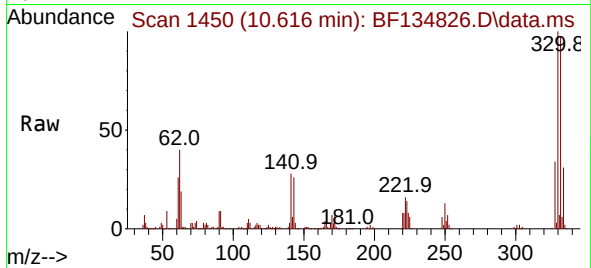
160 46.1 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 96.736 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

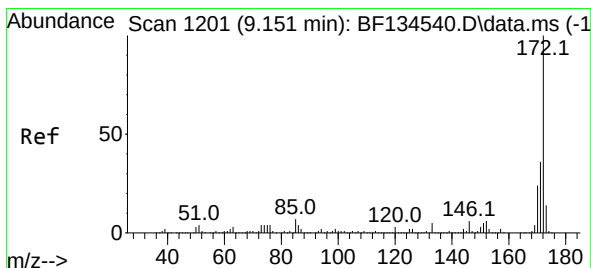
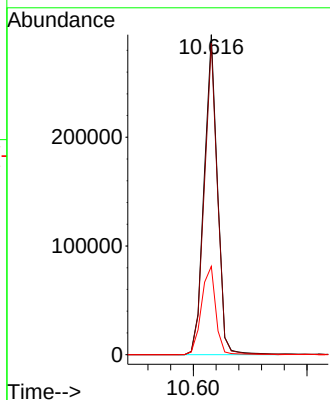
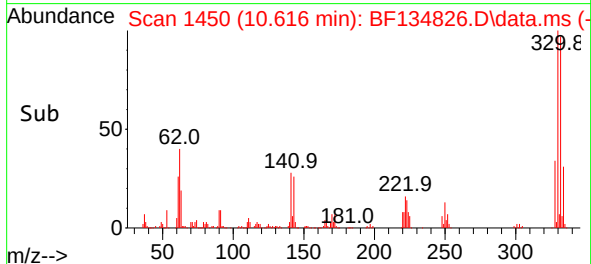
Instrument :
BNA_F
ClientSampleId :
350



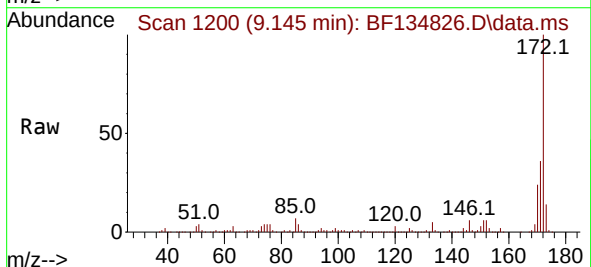
Tgt Ion: 330 Resp: 238964
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 29.8 25.4 38.2

Manual Integrations
APPROVED

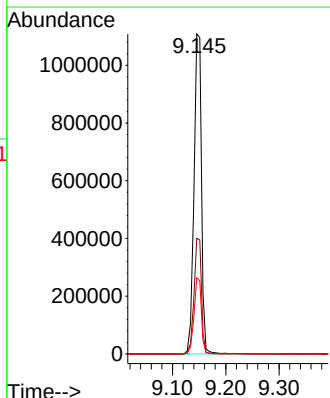
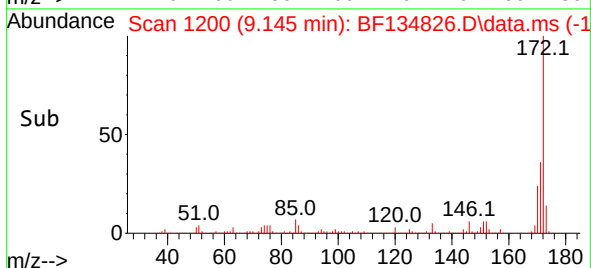
Reviewed By : Yogesh Patel 08/18/2023
Supervised By : mohammad ahmed 08/18/2023

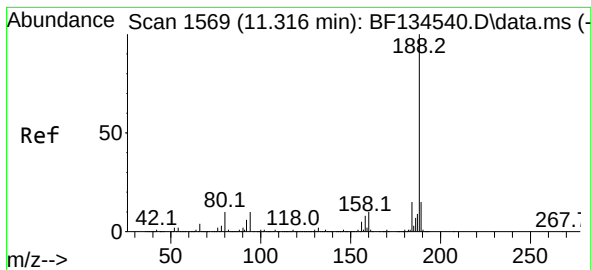


#45
2-Fluorobiphenyl
Concen: 74.730 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01



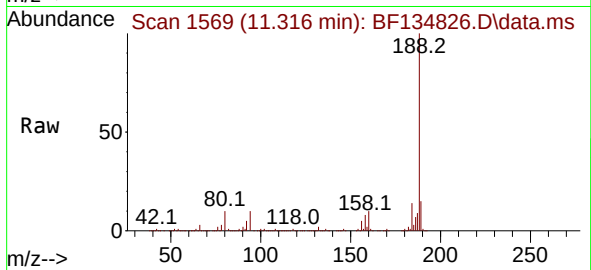
Tgt Ion: 172 Resp: 1089139
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 23.8 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11350
Delta R.T. -0.006 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

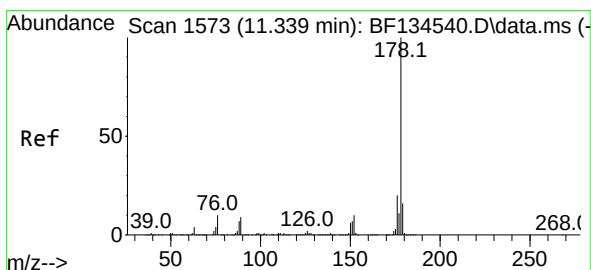
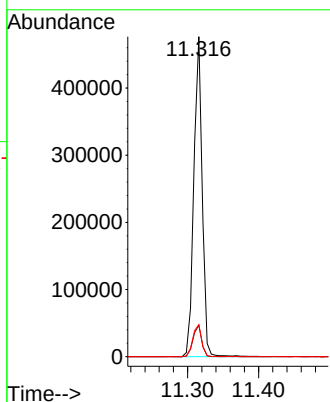
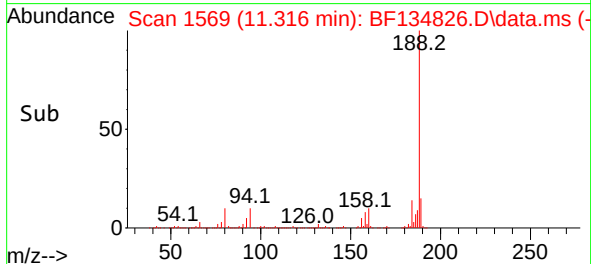
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion:188 Resp: 391500
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7
80 10.0 6.6 9.8

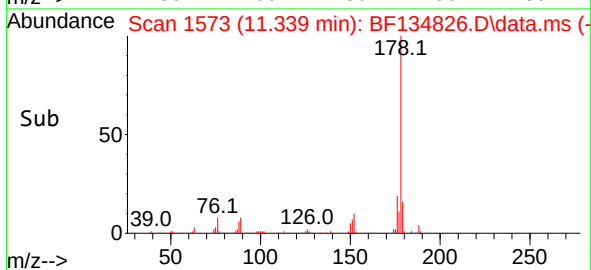
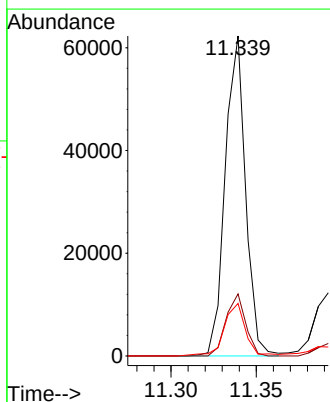
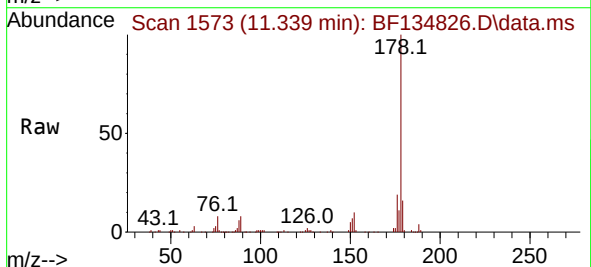
Manual Integrations
APPROVED

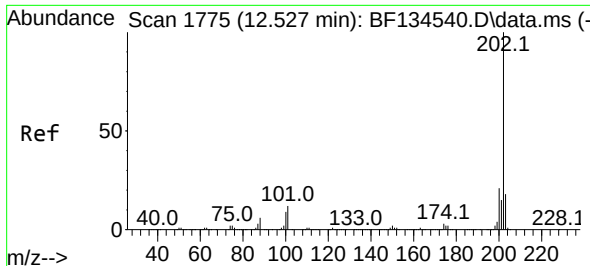
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#71
Phenanthrene
Concen: 2.496 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

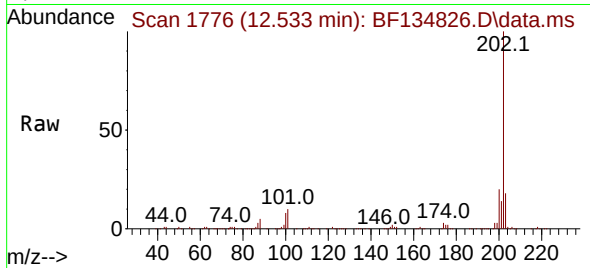
Tgt Ion:178 Resp: 51900
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 16.4 12.7 19.1





#75
Fluoranthene
Concen: 5.639 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

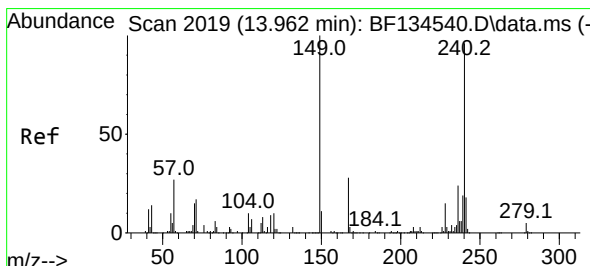
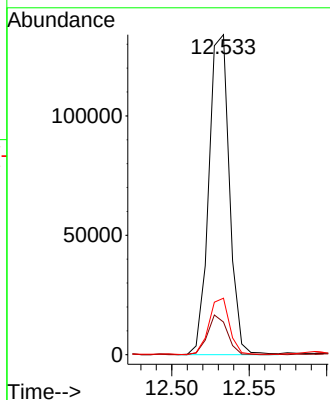
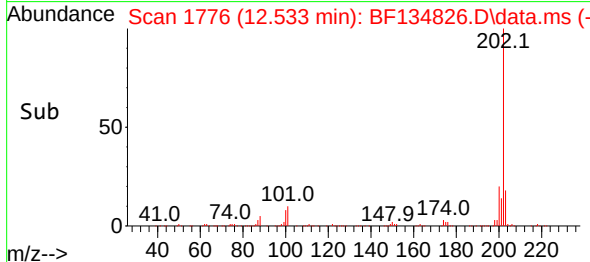
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion:202 Resp: 123869
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.5
203 17.7 0.0 37.5

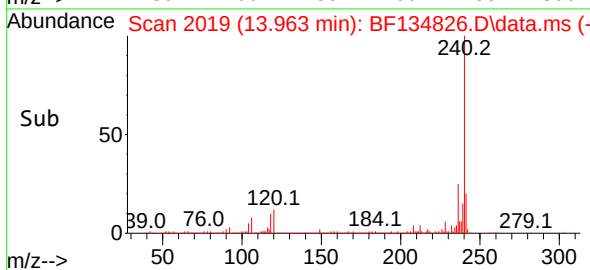
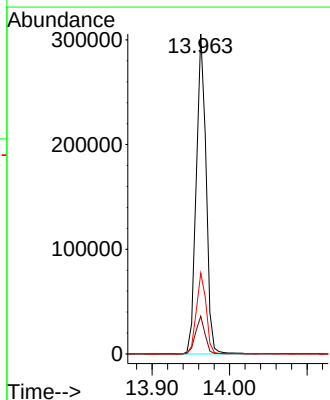
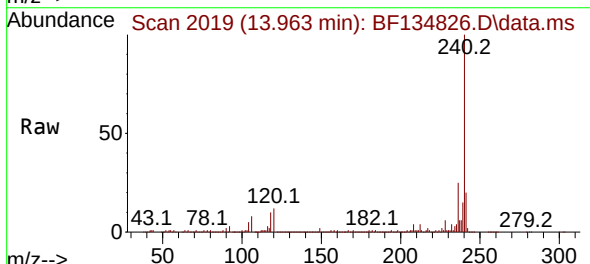
Manual Integrations
APPROVED

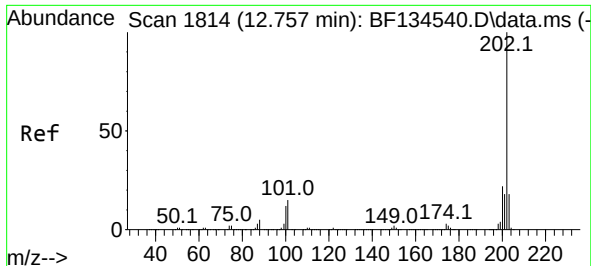
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

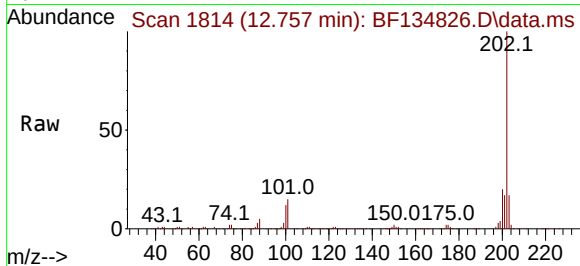
Tgt Ion:240 Resp: 269465
Ion Ratio Lower Upper
240 100
120 11.8 6.6 10.0#
236 25.3 20.2 30.2





#78
Pyrene
Concen: 4.408 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

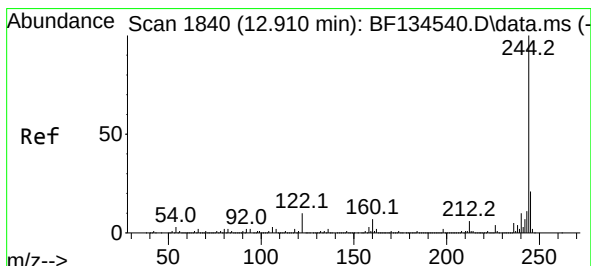
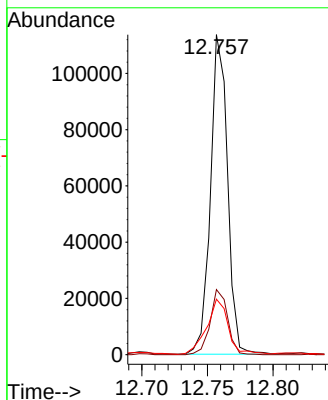
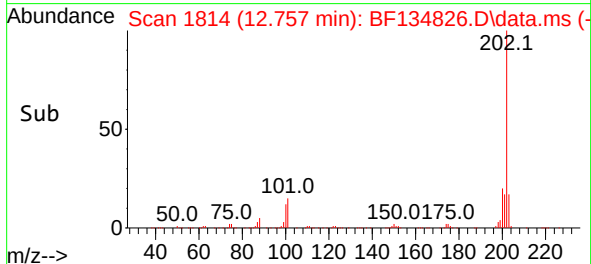
Instrument :
BNA_F
ClientSampleId :
350



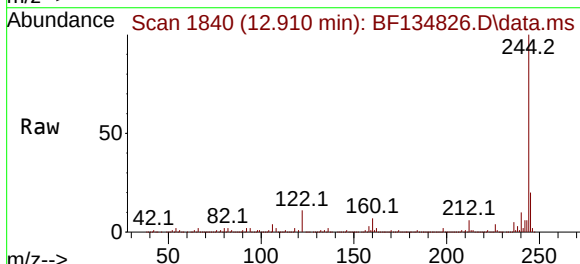
Tgt Ion:202 Resp: 102777
Ion Ratio Lower Upper
202 100
200 20.4 15.8 23.8
203 17.3 13.5 20.3

Manual Integrations
APPROVED

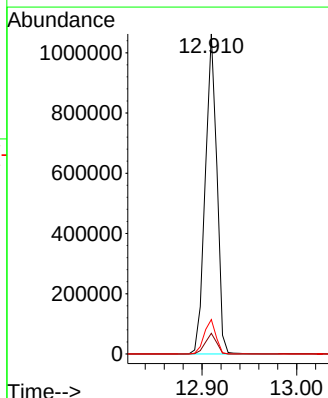
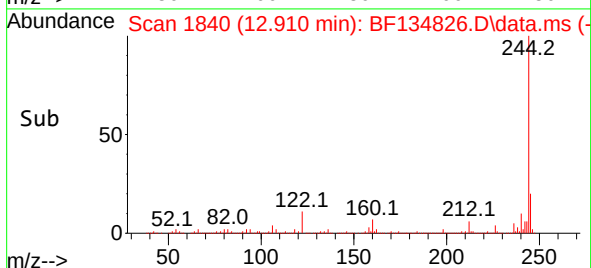
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023

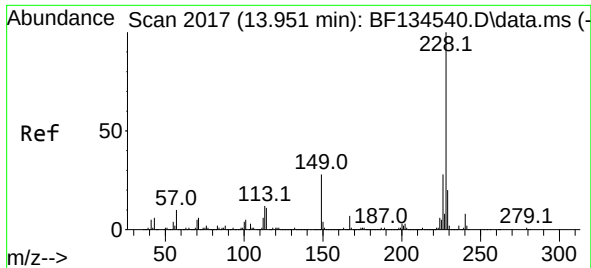


#79
Terphenyl-d14
Concen: 59.023 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01



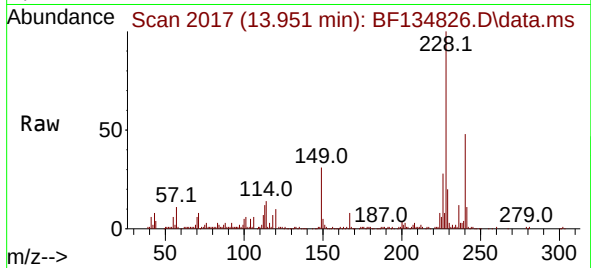
Tgt Ion:244 Resp: 902203
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 10.8 8.0 12.0





#81
Benzo(a)anthracene
Concen: 3.219 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

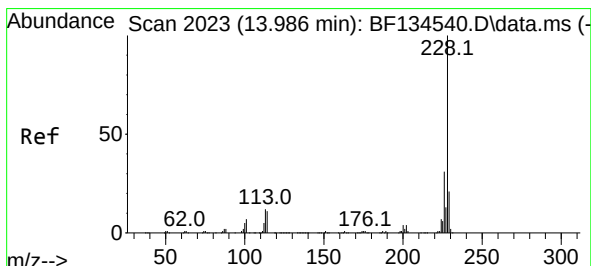
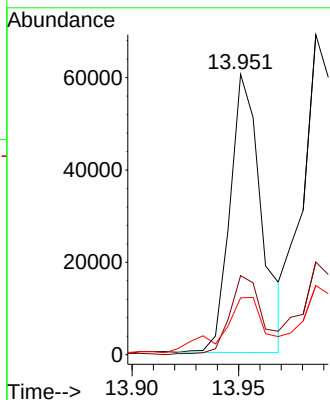
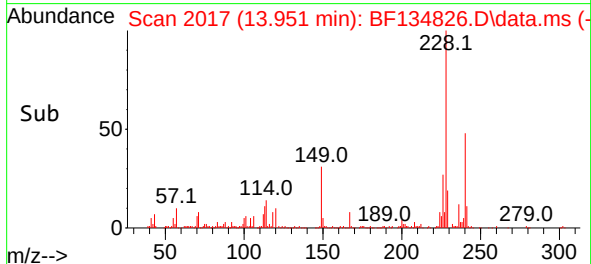
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion:228 Resp: 62030
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 20.3 15.8 23.6

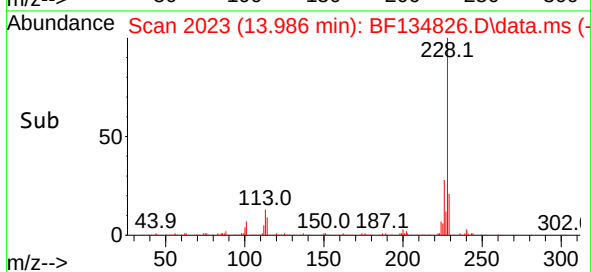
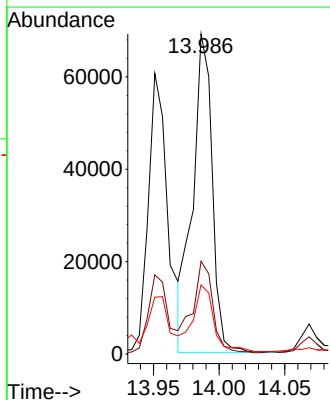
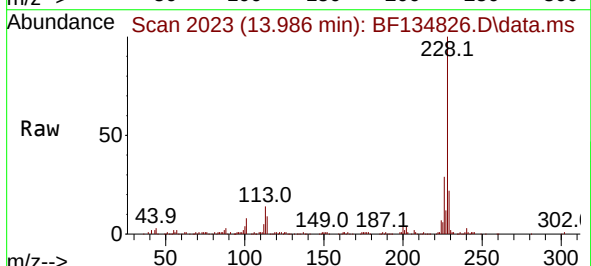
Manual Integrations
APPROVED

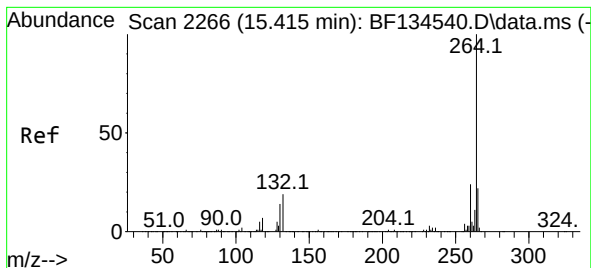
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#83
Chrysene
Concen: 3.810 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

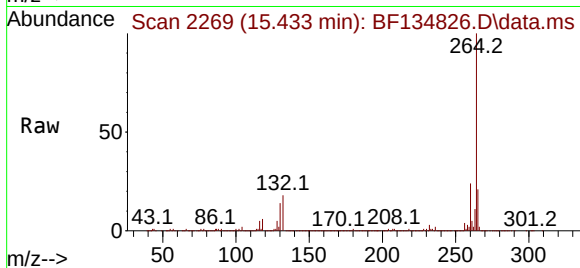
Tgt Ion:228 Resp: 71527
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 21.6 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

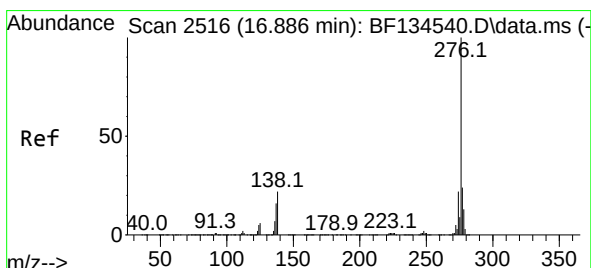
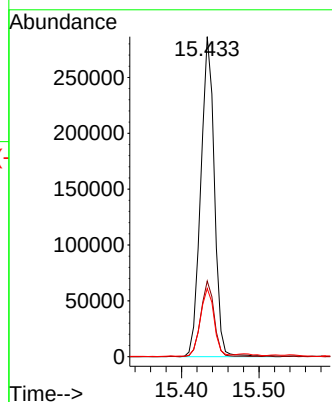
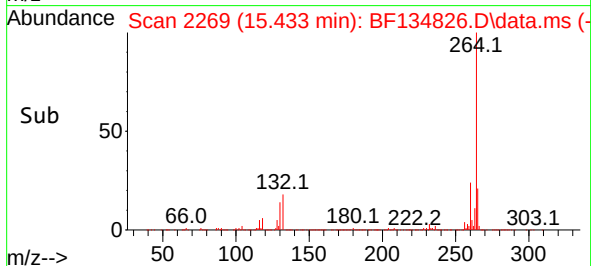
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion:264 Resp: 349012
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 21.3 15.8 23.8

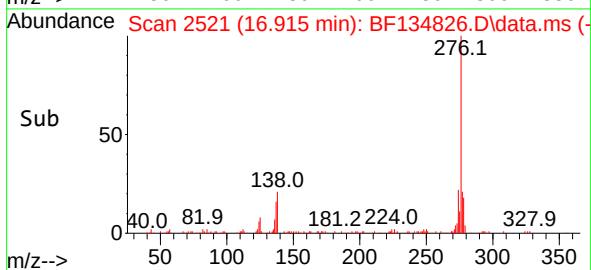
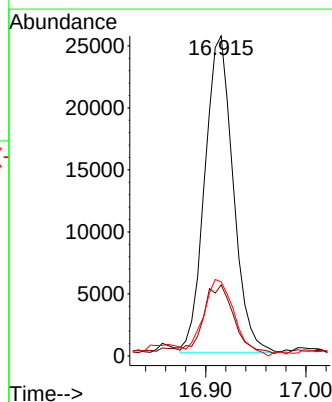
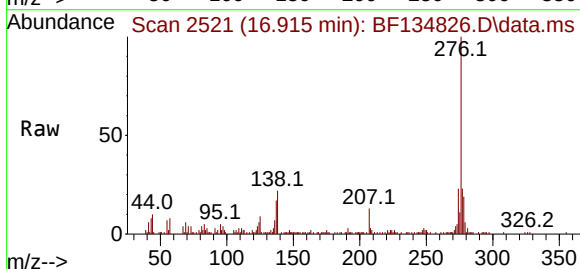
Manual Integrations
APPROVED

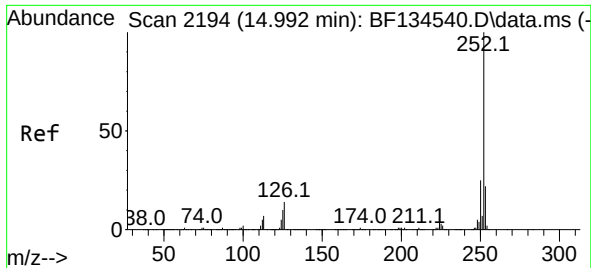
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.438 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

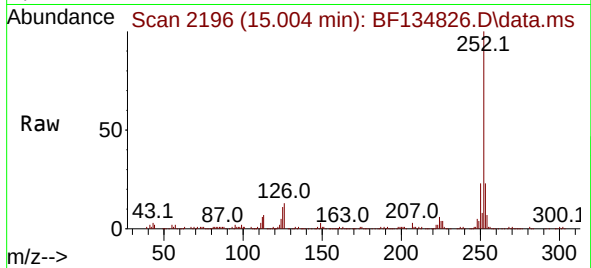
Tgt Ion:276 Resp: 50042
Ion Ratio Lower Upper
276 100
138 23.3 14.2 21.4#
277 26.4 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 5.818 ng m
RT: 15.004 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

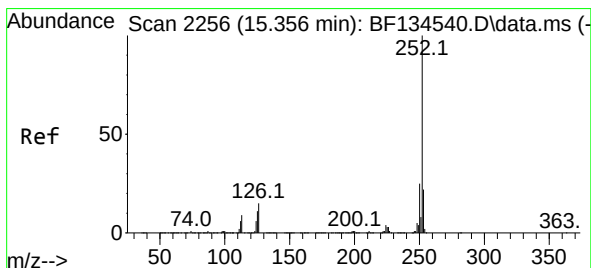
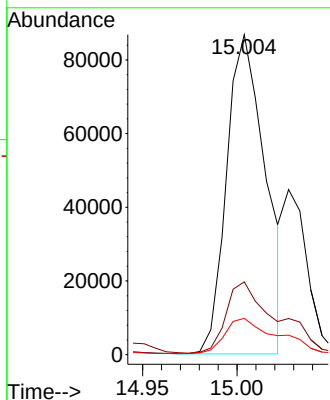
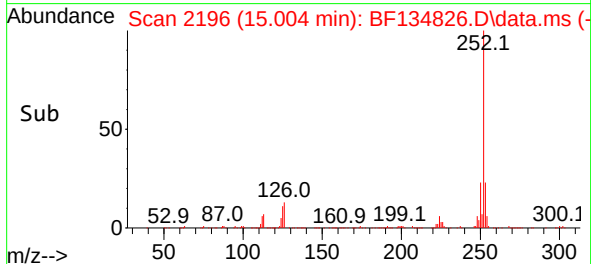
Instrument :
BNA_F
ClientSampleId :
350



Tgt Ion:252 Resp: 123840
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.3 6.0 9.0

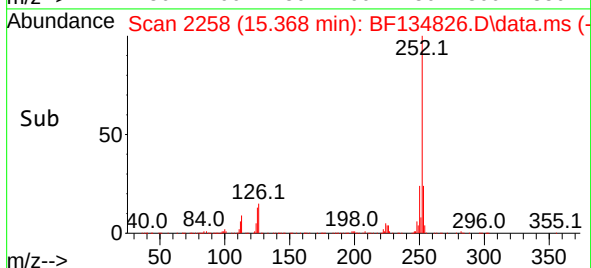
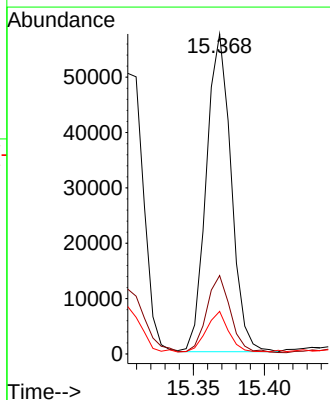
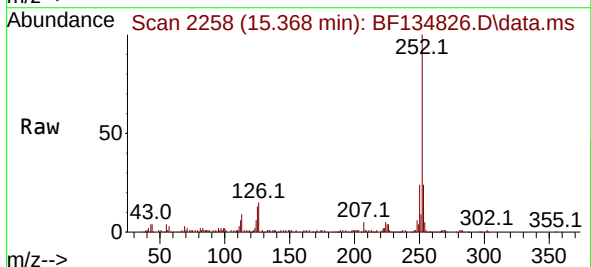
Manual Integrations
APPROVED

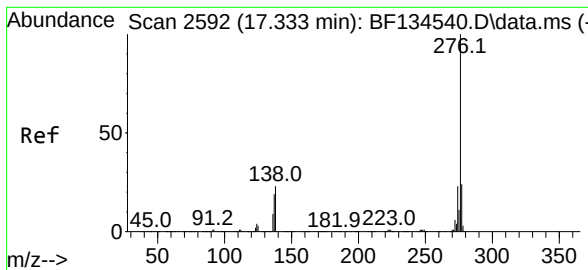
Reviewed By :Yogesh Patel 08/18/2023
Supervised By :mohammad ahmed 08/18/2023



#90
Benzo(a)pyrene
Concen: 3.507 ng
RT: 15.368 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF134826.D
Acq: 17 Aug 2023 20:01

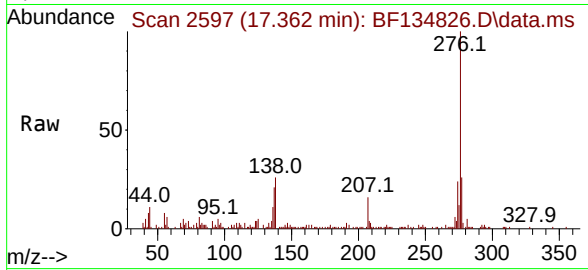
Tgt Ion:252 Resp: 69595
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 13.3 6.2 9.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.823 ng
 RT: 17.362 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF134826.D
 Acq: 17 Aug 2023 20:01

Instrument :
 BNA_F
 ClientSampleId :
 350



Tgt Ion: 276 Resp: 4777

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.0	28.6
138	25.7	12.2	18.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/18/2023
 Supervised By :mohammad ahmed 08/18/2023

