

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134645.D
 Acq On : 07 Aug 2023 10:21
 Operator : CG\JU
 Sample : 03891-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 01:19:26 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	192016	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	759890	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	373420	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	671299	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	391190	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	422803	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1068905	84.620	ng	0.00
7) Phenol-d6	6.434	99	1351538	83.700	ng	0.00
23) Nitrobenzene-d5	7.357	82	798558	65.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	337282	88.603	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1438769	64.063	ng	-0.01
79) Terphenyl-d14	12.916	244	1526351	68.784	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	230224	6.457	ng	98
75) Fluoranthene	12.533	202	394854	10.483	ng	97
78) Pyrene	12.763	202	314144	9.280	ng	98
81) Benzo(a)anthracene	13.957	228	132983	4.754	ng	99
83) Chrysene	13.992	228	133556	4.901	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	85197	3.426	ng	# 94
88) Benzo(b)fluoranthene	15.004	252	164395m	6.375	ng	
89) Benzo(k)fluoranthene	15.033	252	58305m	2.270	ng	
90) Benzo(a)pyrene	15.368	252	119909	4.987	ng	# 94
92) Benzo(g,h,i)perylene	17.362	276	89145	4.349	ng	# 94

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

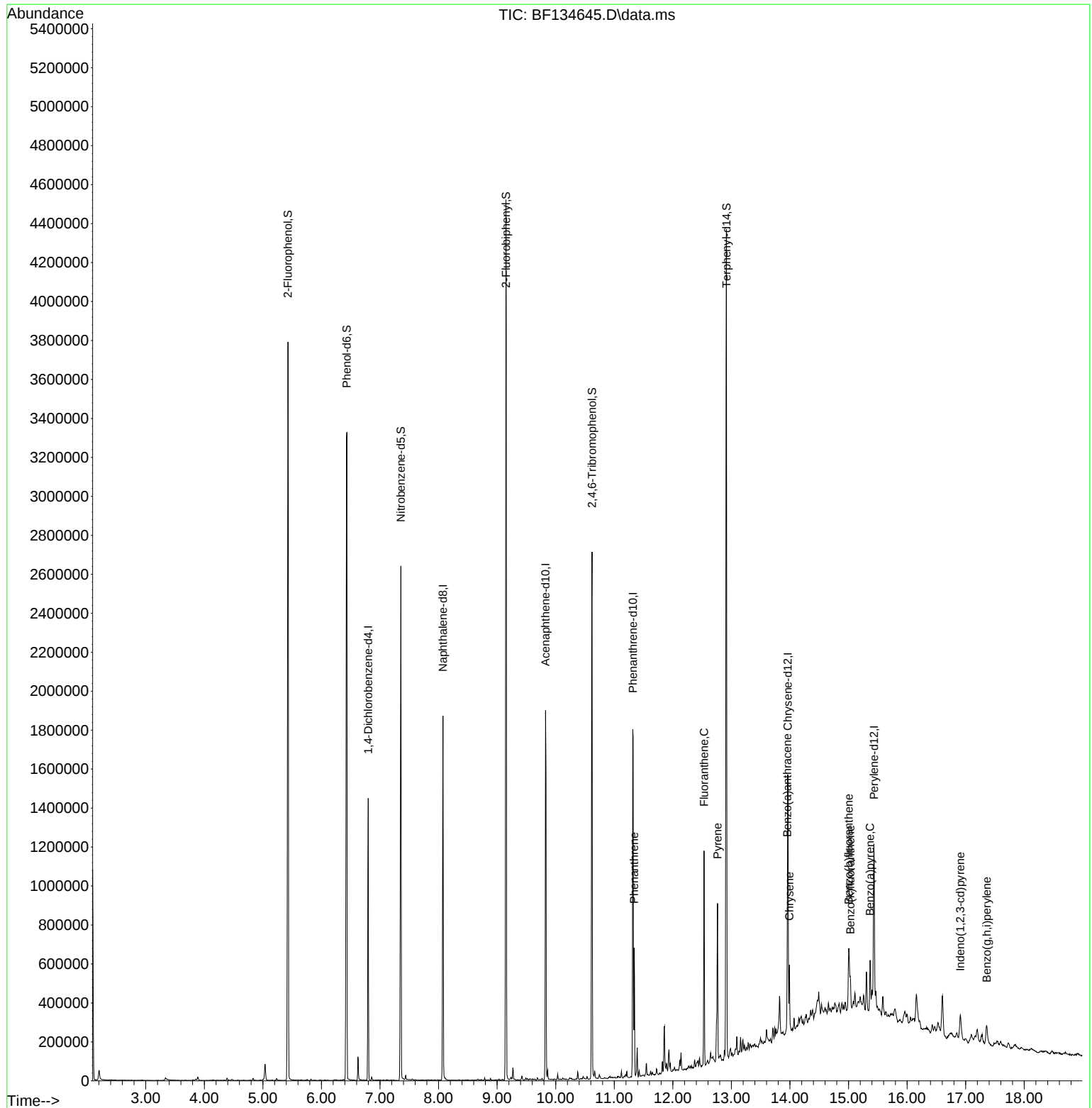
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
Data File : BF134645.D
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ALS Vial : 5 Sample Multiplier: 1

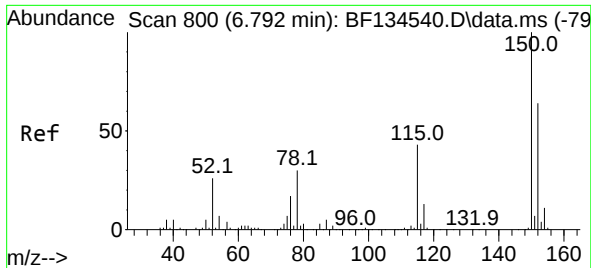
Instrument :
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ClientSampleId :
TP-2

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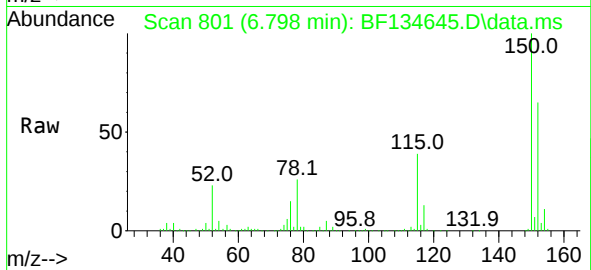
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

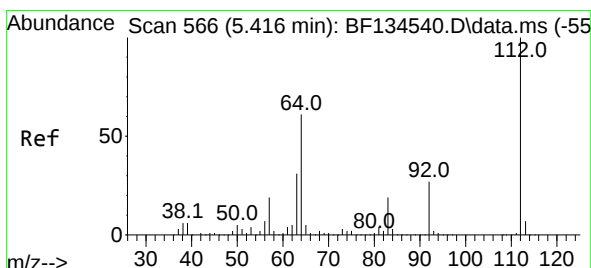
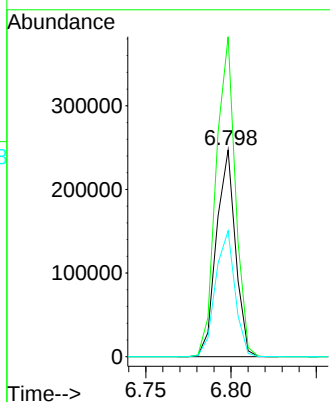
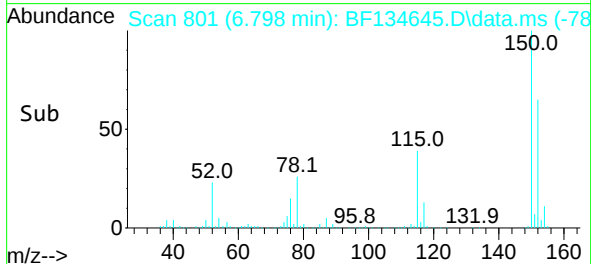
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:152 Resp: 192010
Ion Ratio Lower Upper
152 100
150 154.7 128.3 192.5
115 60.9 52.4 78.6

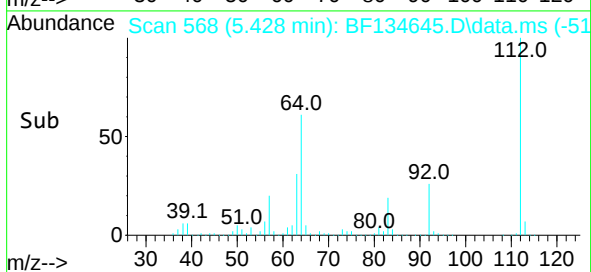
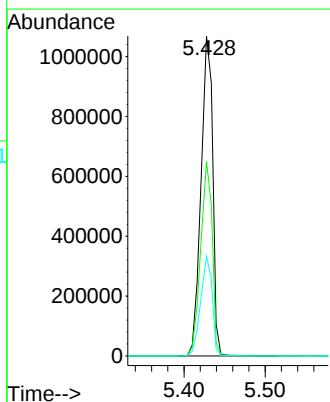
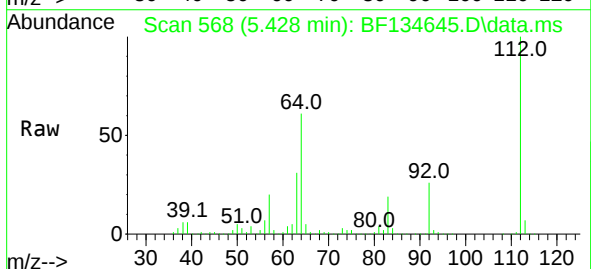
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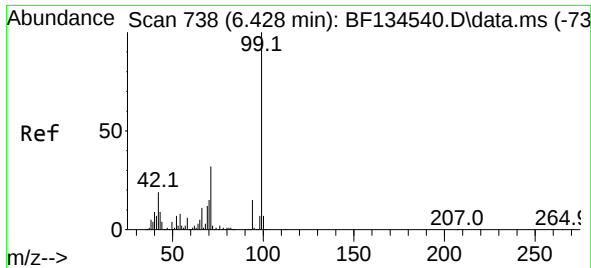
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#5
2-Fluorophenol
Concen: 84.620 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

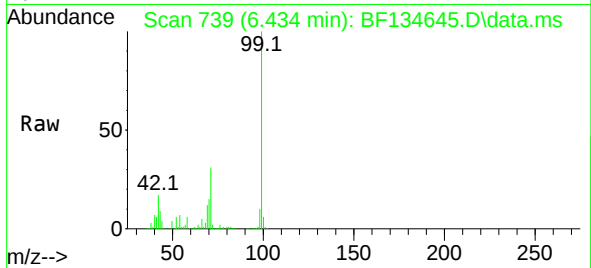
Tgt Ion:112 Resp: 1068905
Ion Ratio Lower Upper
112 100
64 60.8 44.9 67.3
63 31.1 25.4 38.0





#7
Phenol-d6
Concen: 83.700 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

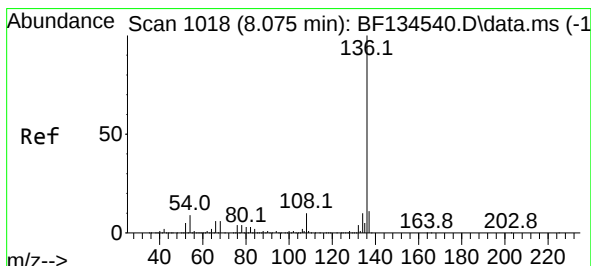
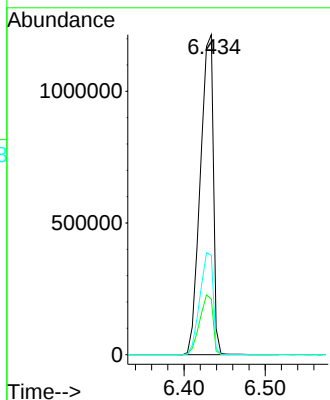
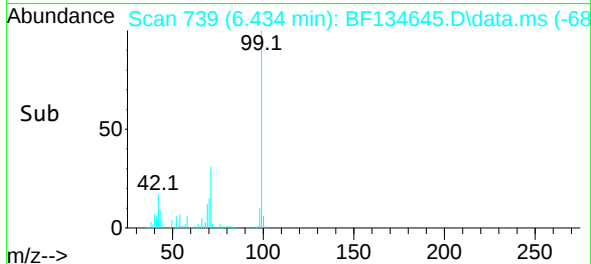
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 99 Resp: 1351538
Ion Ratio Lower Upper
99 100
42 17.4 18.7 28.1#
71 31.1 36.4 54.6#

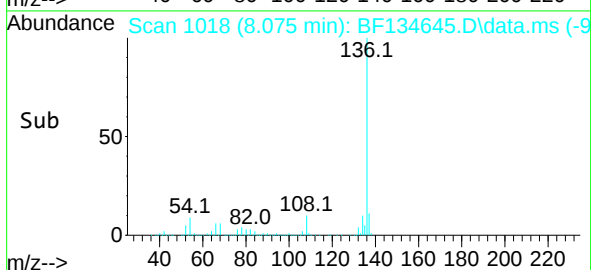
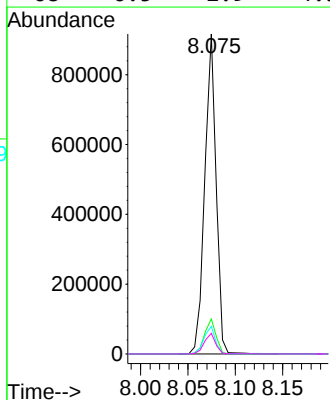
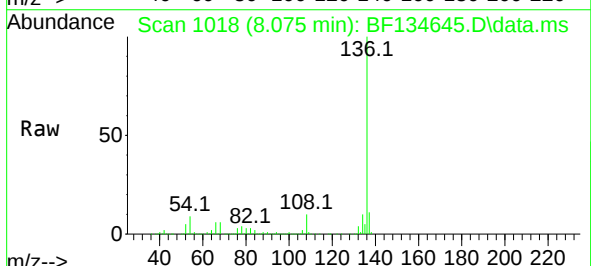
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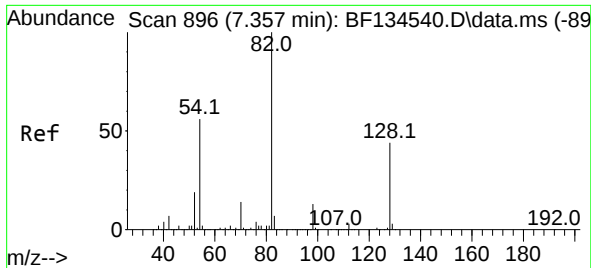
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

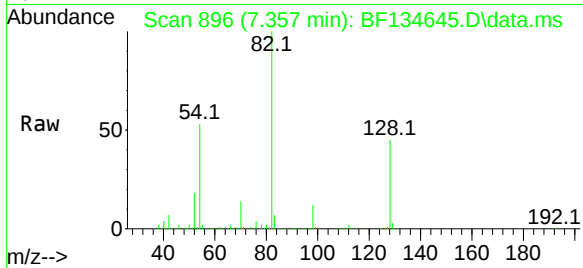
Tgt Ion:136 Resp: 759890
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.6 5.2 7.8#
68 6.5 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 65.673 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

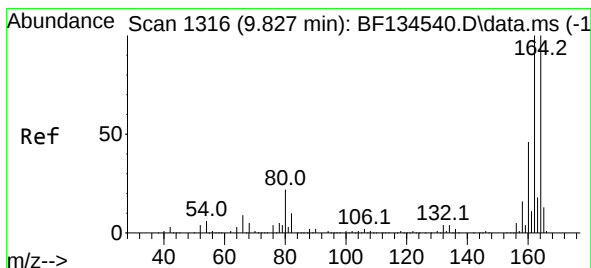
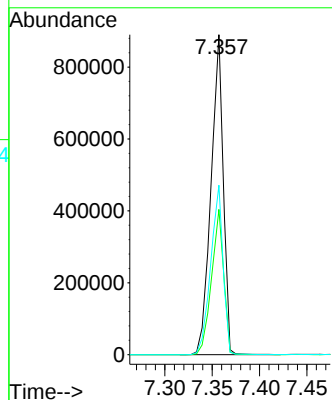
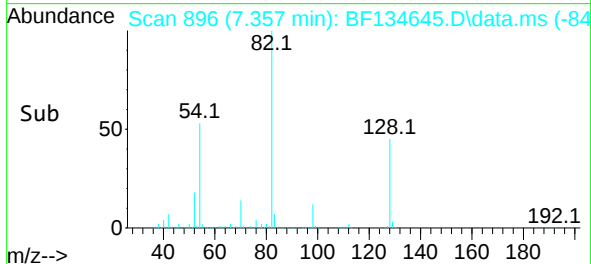
Instrument :
BNA_F
ClientSampleId :
TP-2



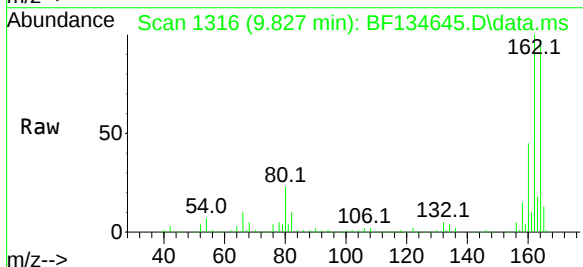
Tgt Ion: 82 Resp: 798558
Ion Ratio Lower Upper
82 100
128 45.4 34.3 51.5
54 53.0 43.8 65.6

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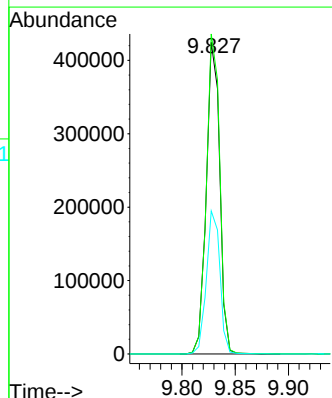
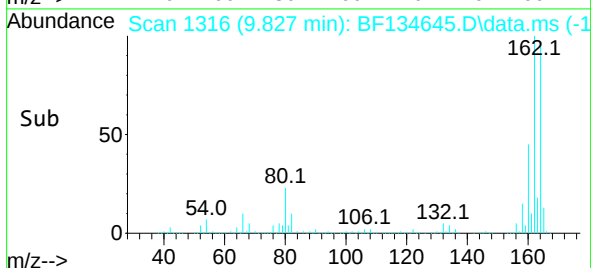
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023

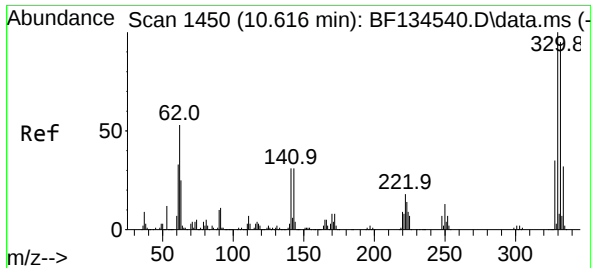


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21



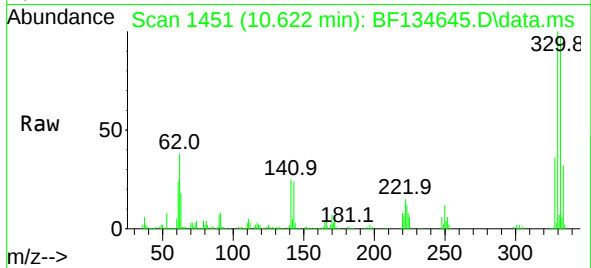
Tgt Ion:164 Resp: 373420
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 45.9 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 88.603 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

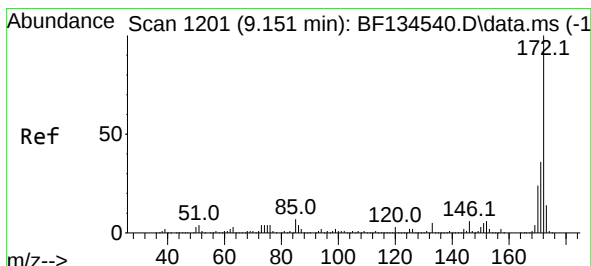
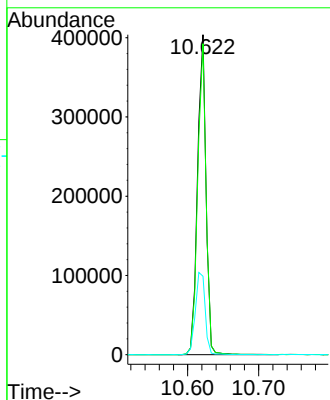
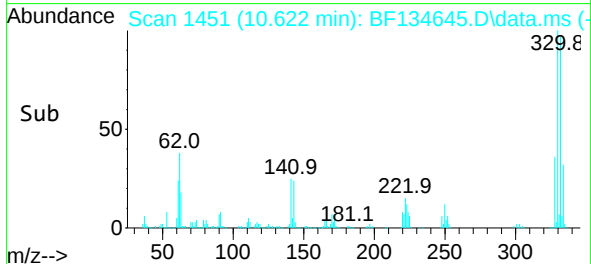
Instrument :
BNA_F
ClientSampleId :
TP-2



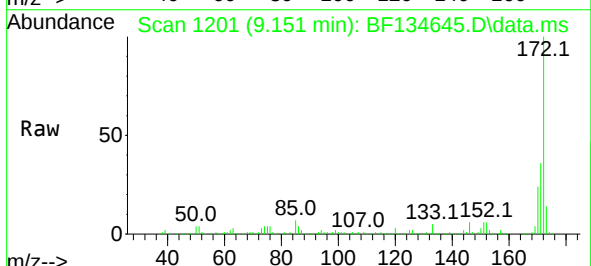
Tgt Ion: 330 Resp: 33728
Ion Ratio Lower Upper
330 100
332 96.0 78.8 118.2
141 29.9 25.4 38.2

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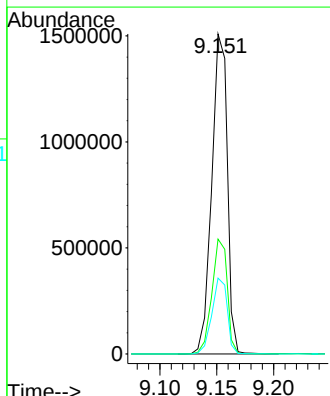
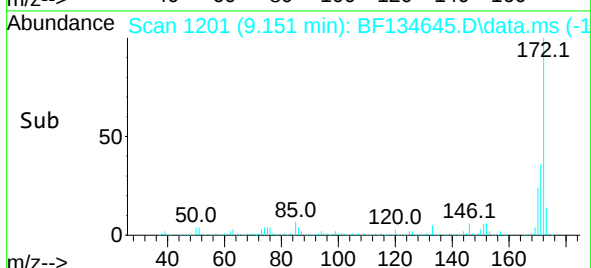
Reviewed By : Yogesh Patel 08/08/2023
Supervised By : mohammad ahmed 08/08/2023

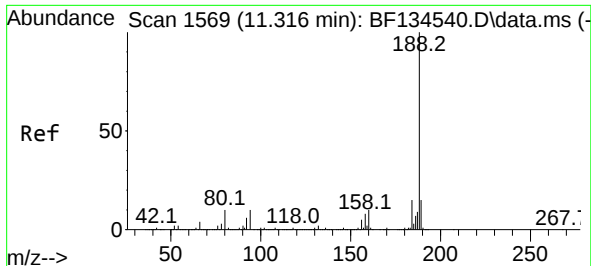


#45
2-Fluorobiphenyl
Concen: 64.063 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21



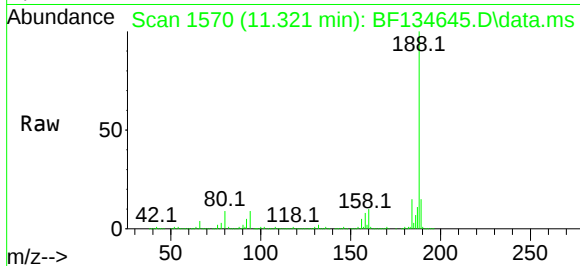
Tgt Ion: 172 Resp: 1438769
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

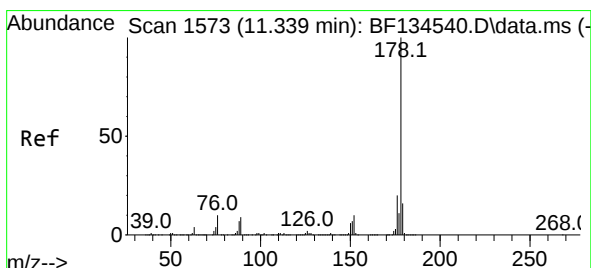
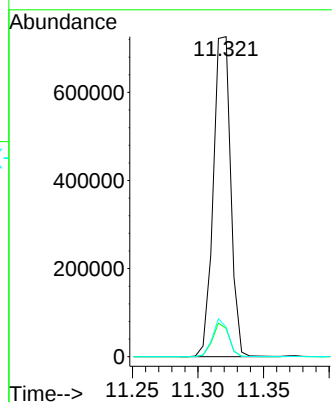
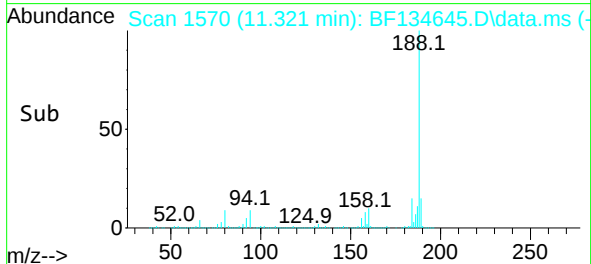
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:188 Resp: 671299
Ion Ratio Lower Upper
188 100
94 8.8 5.1 7.7
80 9.2 6.6 9.8

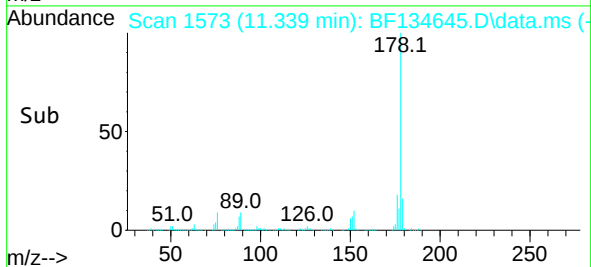
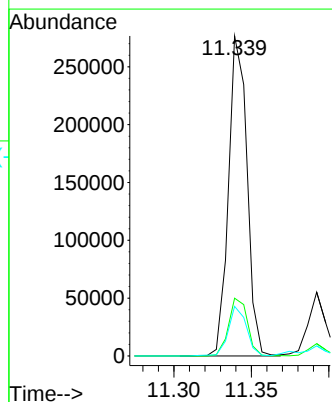
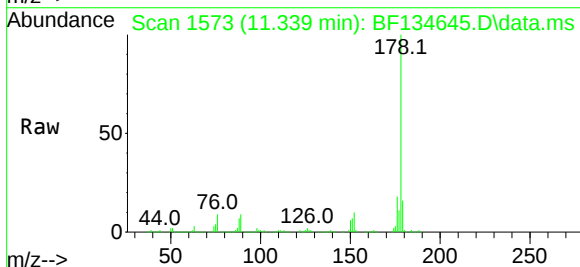
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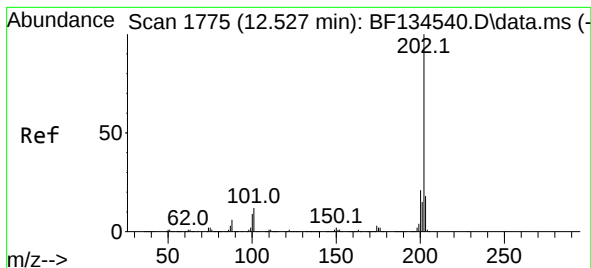
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#71
Phenanthrene
Concen: 6.457 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

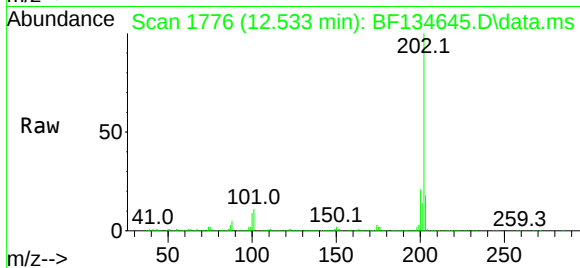
Tgt Ion:178 Resp: 230224
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.6
179 15.5 12.7 19.1





#75
Fluoranthene
Concen: 10.483 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

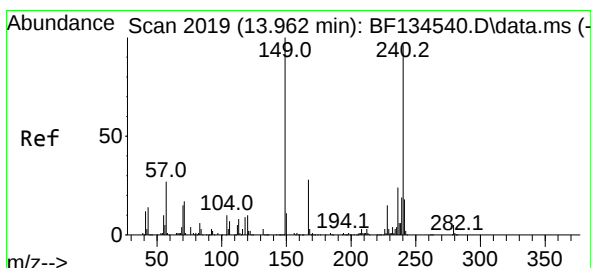
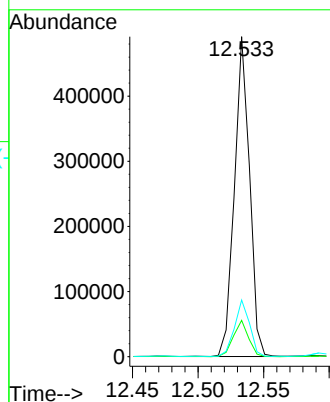
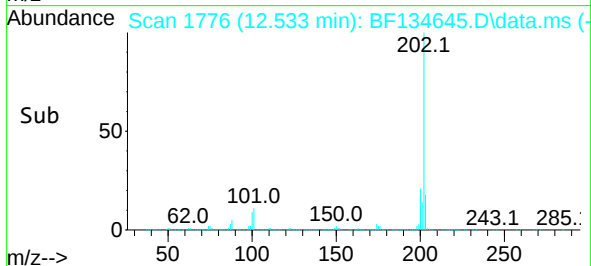
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:202 Resp: 394854
Ion Ratio Lower Upper
202 100
101 11.4 0.0 28.5
203 17.7 0.0 37.5

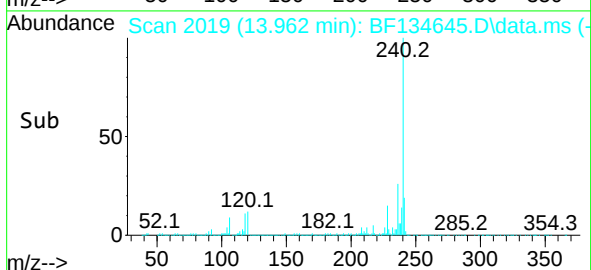
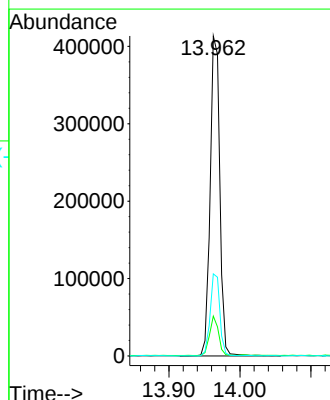
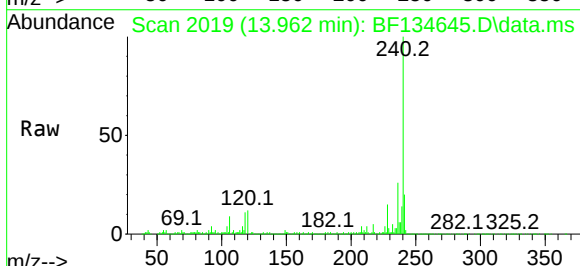
Manual Integrations
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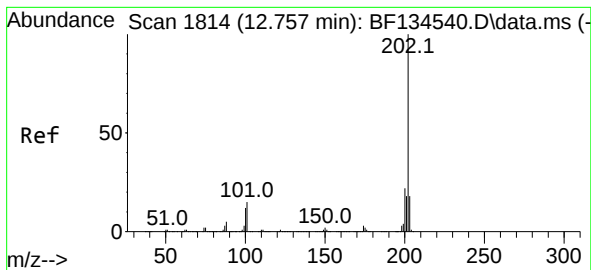
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:240 Resp: 391190
Ion Ratio Lower Upper
240 100
120 12.4 6.6 10.0#
236 25.7 20.2 30.2





#78

Pyrene

Concen: 9.280 ng

RT: 12.763 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

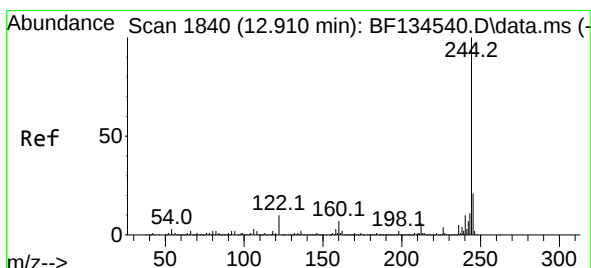
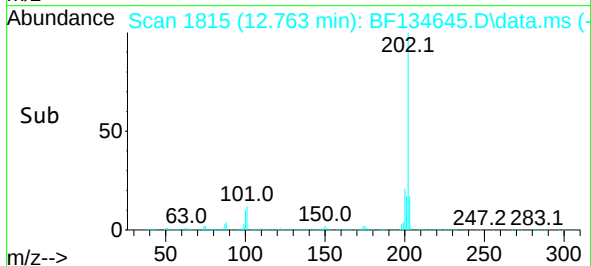
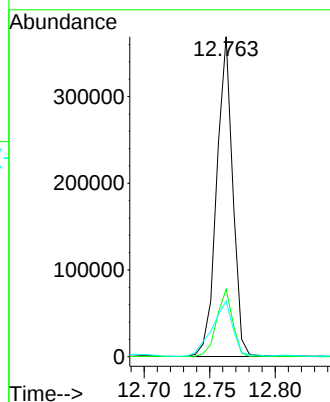
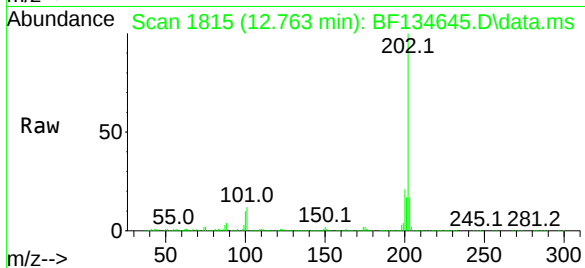
Tgt Ion:202 Resp: 314144
 Ion Ratio Lower Upper
 202 100
 200 21.1 15.8 23.8
 203 17.4 13.5 20.3

Manual Integrations

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Supervised By :mohammad ahmed 08/08/2023



#79

Terphenyl-d14

Concen: 68.784 ng

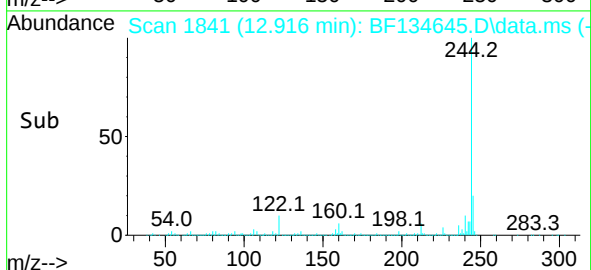
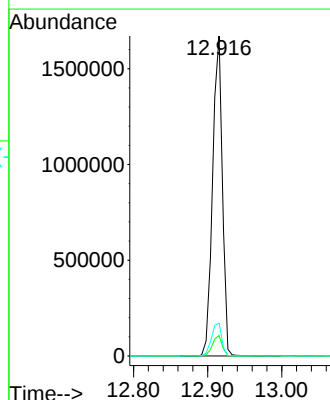
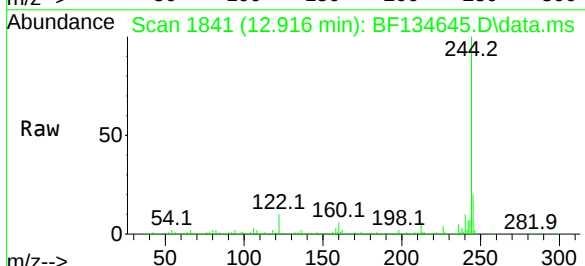
RT: 12.916 min Scan# 1841

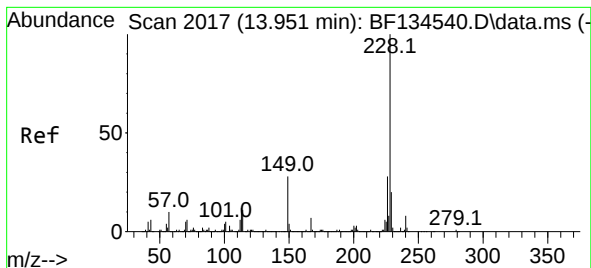
Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Tgt Ion:244 Resp: 1526351
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.2 8.0 12.0





#81

Benzo(a)anthracene

Concen: 4.754 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:228 Resp: 13298

Ion Ratio Lower Upper

228 100

226 27.5 22.3 33.5

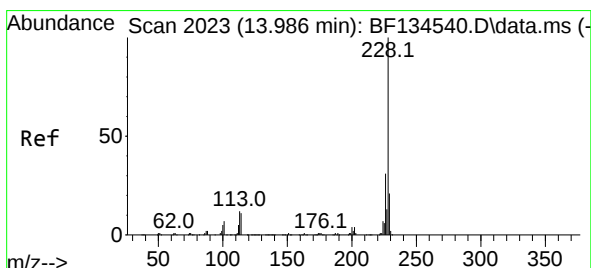
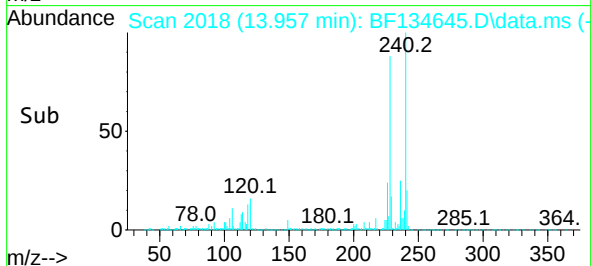
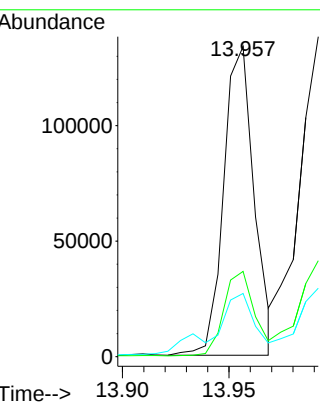
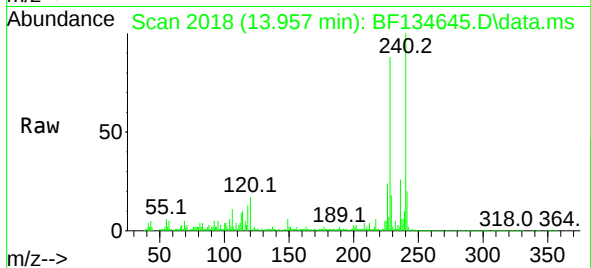
229 20.4 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2023

Supervised By :mohammad ahmed 08/08/2023



#83

Chrysene

Concen: 4.901 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF134645.D

Acq: 07 Aug 2023 10:21

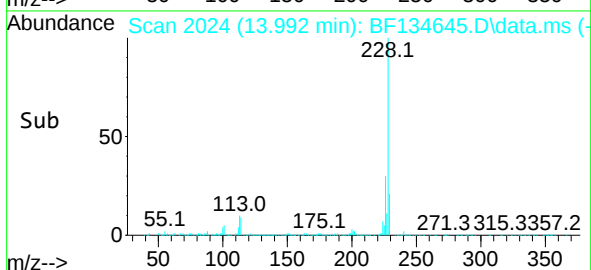
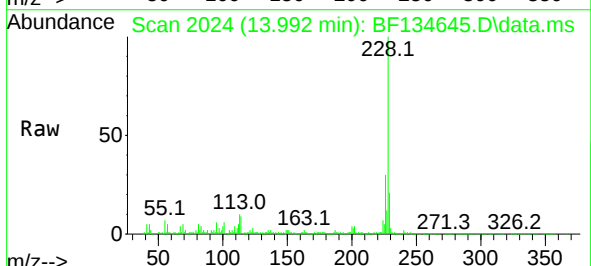
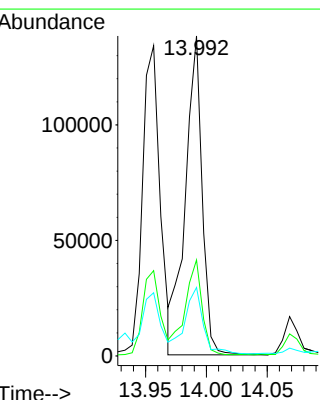
Tgt Ion:228 Resp: 133556

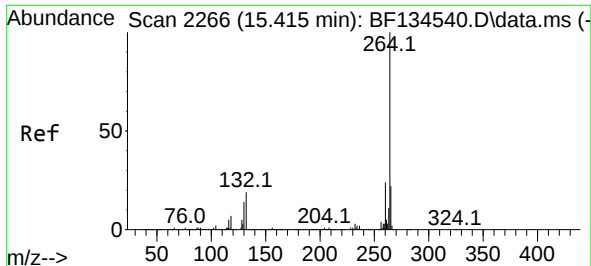
Ion Ratio Lower Upper

228 100

226 30.0 24.5 36.7

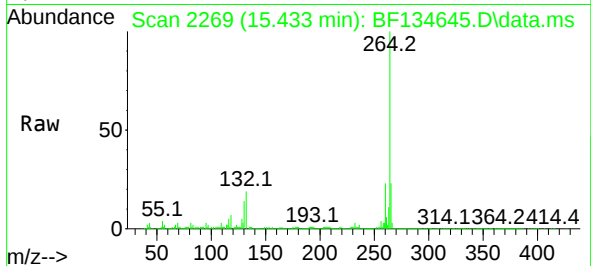
229 21.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

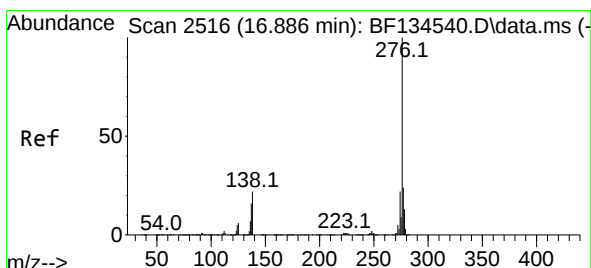
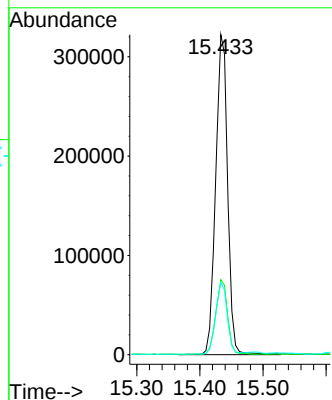
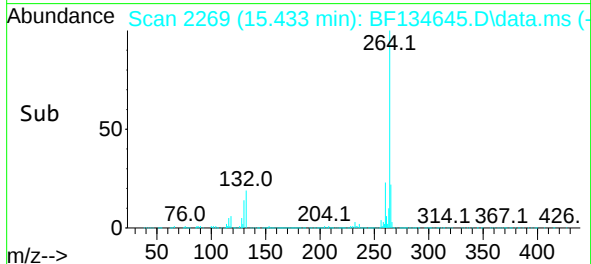
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:264 Resp: 42280
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 22.6 15.8 23.8

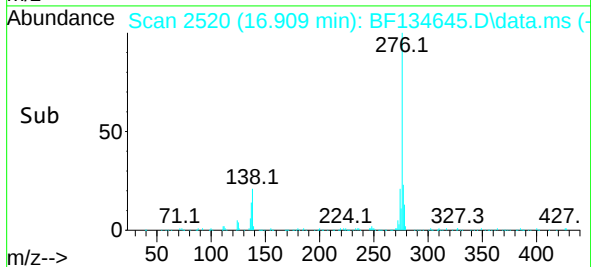
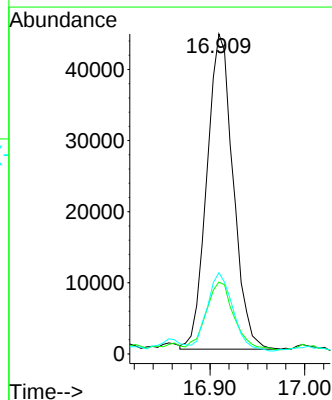
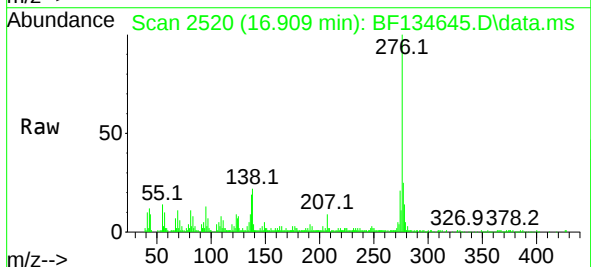
Manual Integrations
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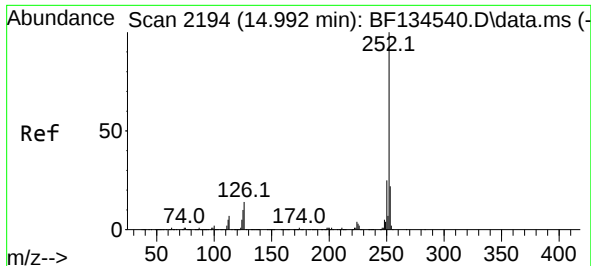
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.426 ng
RT: 16.909 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

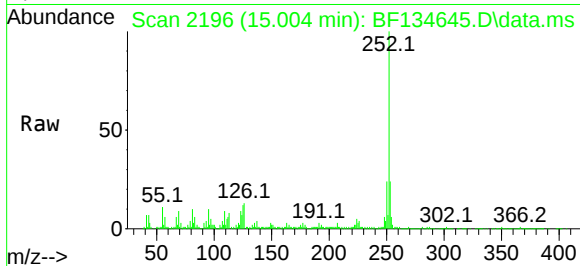
Tgt Ion:276 Resp: 85197
Ion Ratio Lower Upper
276 100
138 23.2 14.2 21.4#
277 24.3 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 6.375 ng m
RT: 15.004 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

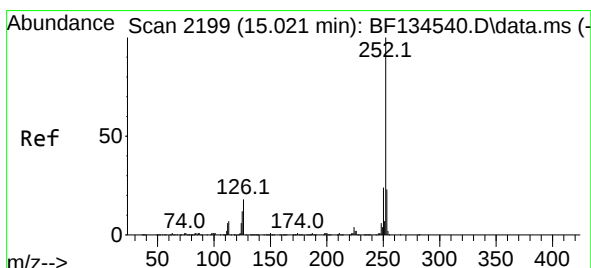
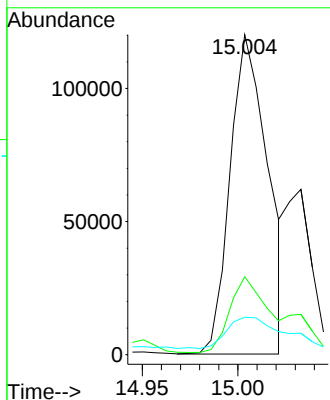
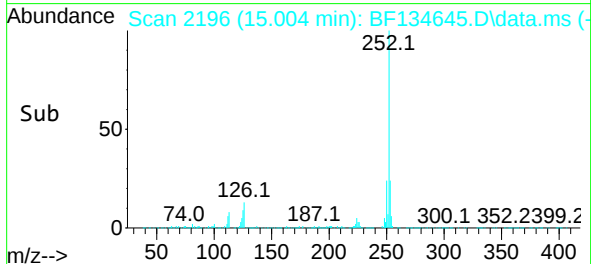
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:252 Resp: 16439
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 11.7 6.0 9.0

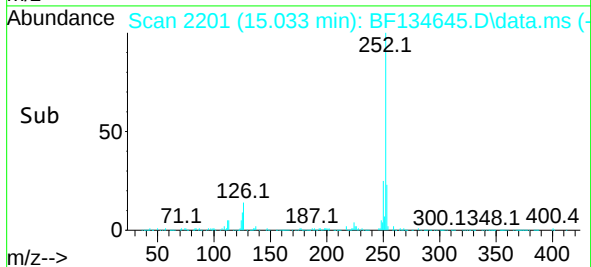
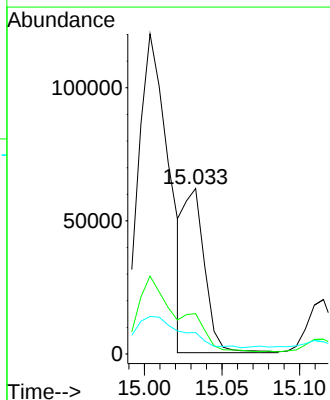
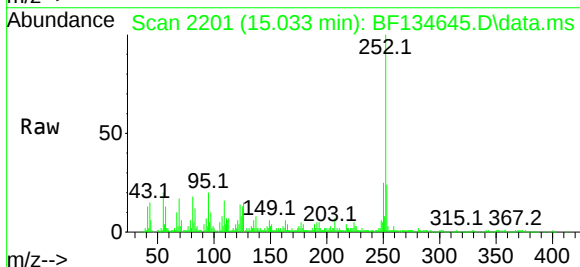
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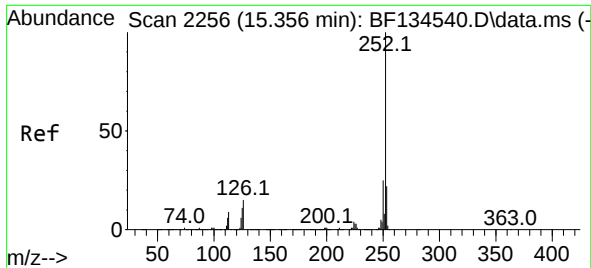
Reviewed By :Yogesh Patel 08/08/2023
Supervised By :mohammad ahmed 08/08/2023



#89
Benzo(k)fluoranthene
Concen: 2.270 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

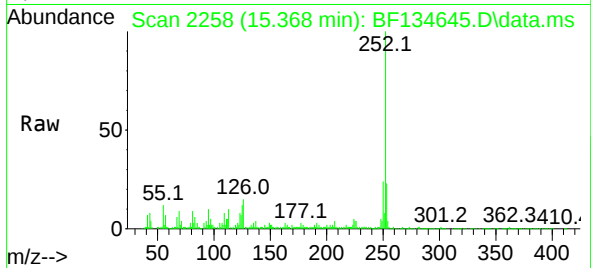
Tgt Ion:252 Resp: 58305
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 13.0 6.3 9.5





#90
Benzo(a)pyrene
Concen: 4.987 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

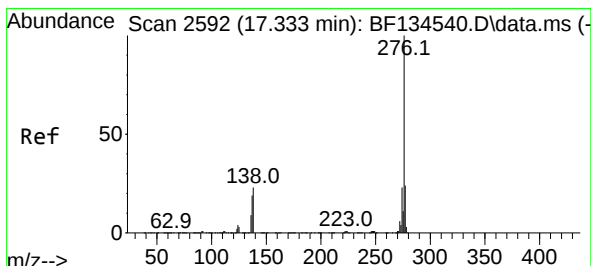
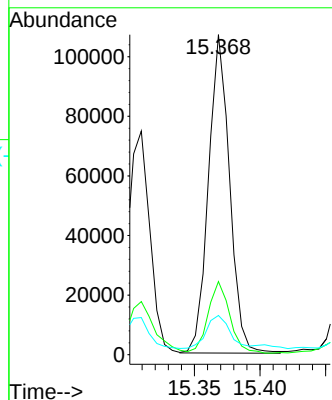
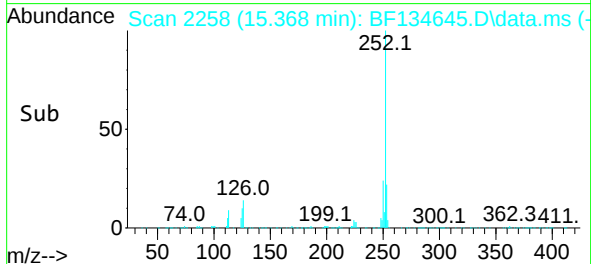
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:252 Resp: 119909
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 12.3 6.2 9.4

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.349 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.012 min
Lab File: BF134645.D
Acq: 07 Aug 2023 10:21

Tgt Ion:276 Resp: 89145
Ion Ratio Lower Upper
276 100
277 22.9 19.0 28.6
138 20.7 12.2 18.2

