

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135025.D
 Acq On : 31 Aug 2023 02:25
 Operator : CG\JU
 Sample : 04197-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-309-OK-370-COMP-21

Quant Time: Aug 31 06:00:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/31/2023
 Supervised By :mohammad ahmed 08/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	137398	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	550410	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	260462	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	396113	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	249593	20.000	ng	0.00
86) Perylene-d12	15.427	264	244563	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	716146	80.509	ng	0.00
7) Phenol-d6	6.410	99	880257	79.393	ng	0.00
23) Nitrobenzene-d5	7.334	82	540724	55.192	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	184928	66.931	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	928607	58.046	ng	-0.01
79) Terphenyl-d14	12.898	244	681633	44.567	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.669	152	71957	3.181	ng	98
58) Fluorene	10.357	166	42023	2.651	ng	97
71) Phenanthrene	11.327	178	425223	20.808	ng	98
72) Anthracene	11.375	178	68882	3.299	ng	97
75) Fluoranthene	12.522	202	401687	19.441	ng	99
78) Pyrene	12.751	202	494918	20.884	ng	100
81) Benzo(a)anthracene	13.945	228	203750m	11.967	ng	
83) Chrysene	13.986	228	220181	13.159	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	60269	3.659	ng	96
88) Benzo(b)fluoranthene	14.998	252	187749m	12.338	ng	
89) Benzo(k)fluoranthene	15.021	252	61294m	4.169	ng	
90) Benzo(a)pyrene	15.363	252	146968	10.397	ng	99
92) Benzo(g,h,i)perylene	17.345	276	62775	4.524	ng	98

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

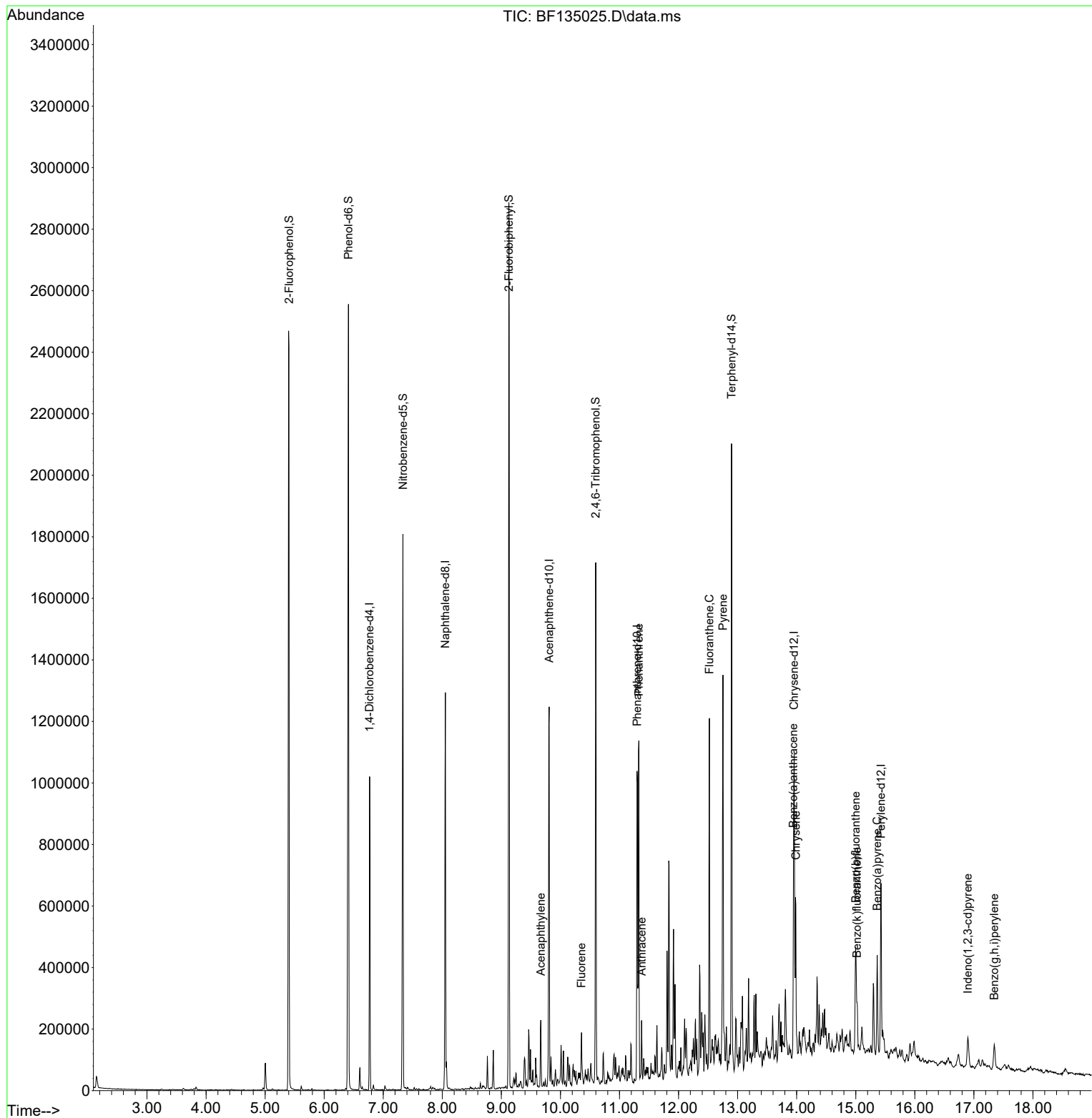
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
Data File : BF135025.D
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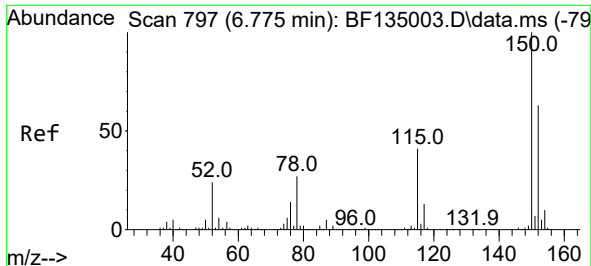
Instrument :
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Quant Time: Aug 31 06:00:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
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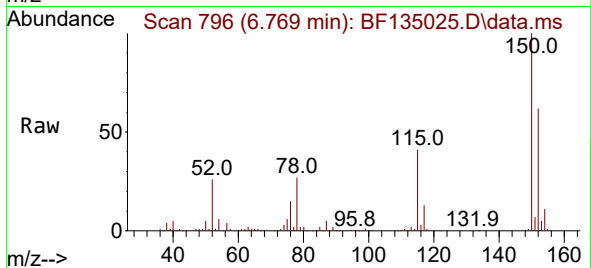
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

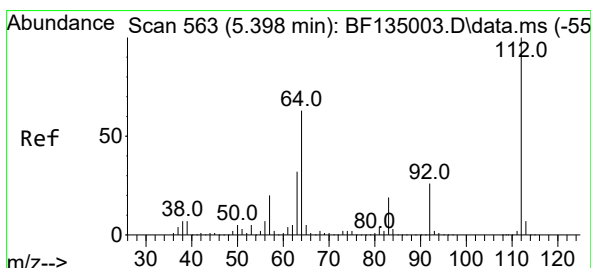
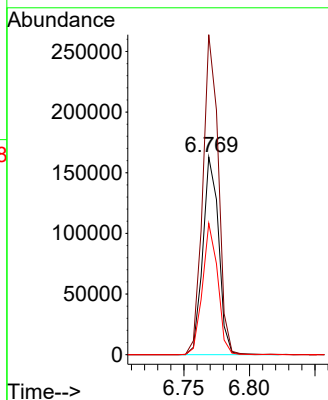
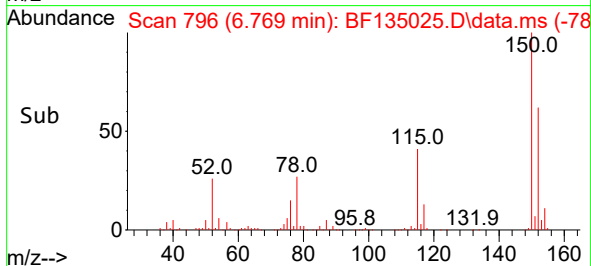
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21



Tgt Ion:152 Resp: 137398
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.4
115 66.5 51.2 76.8

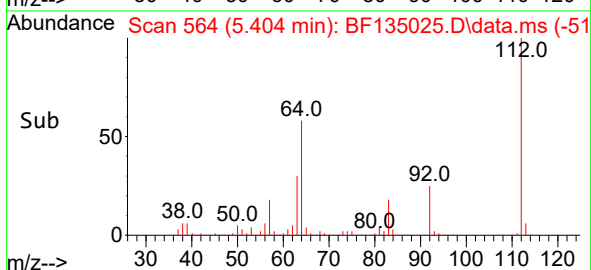
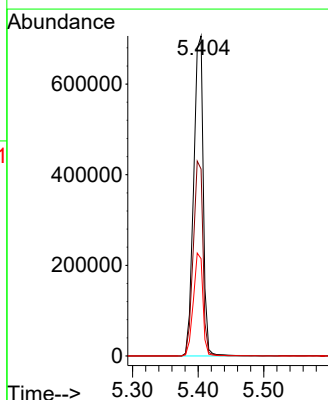
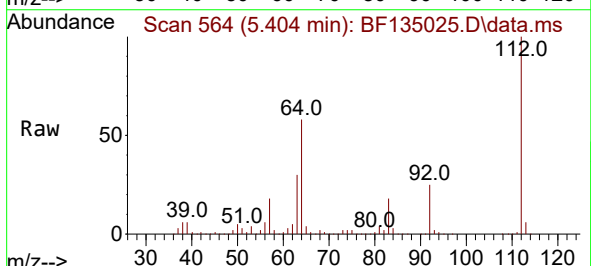
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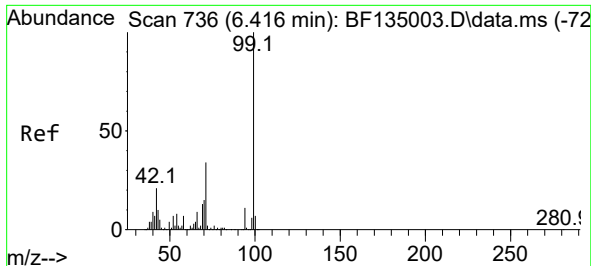
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#5
2-Fluorophenol
Concen: 80.509 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Tgt Ion:112 Resp: 716146
Ion Ratio Lower Upper
112 100
64 58.4 50.5 75.7
63 30.4 25.9 38.9





#7

Phenol-d6

Concen: 79.393 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135025.D

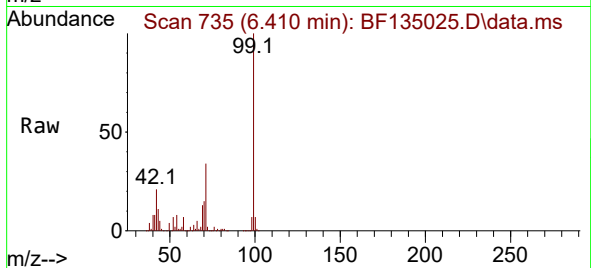
Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

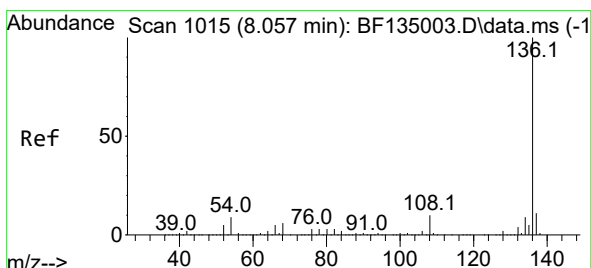
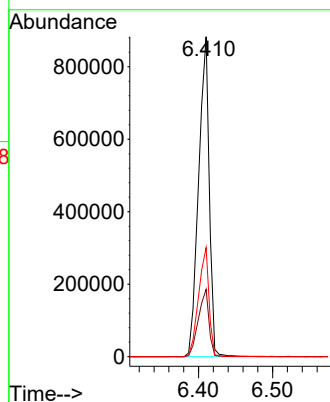
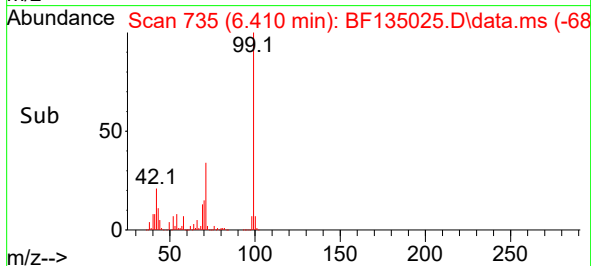


Tgt Ion: 99 Resp: 88025

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.6	25.0
71	34.1	27.0	40.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 1014

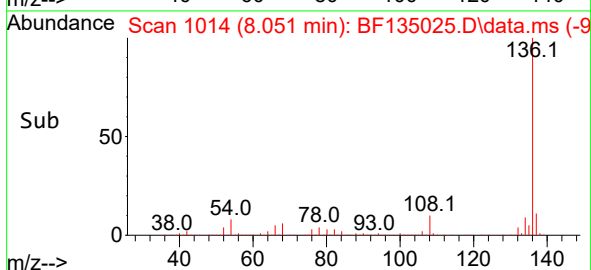
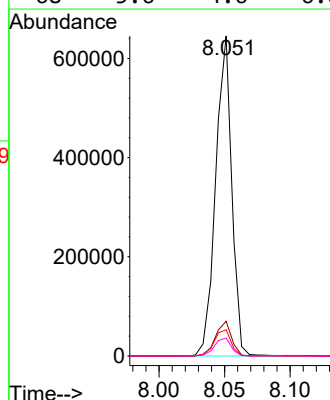
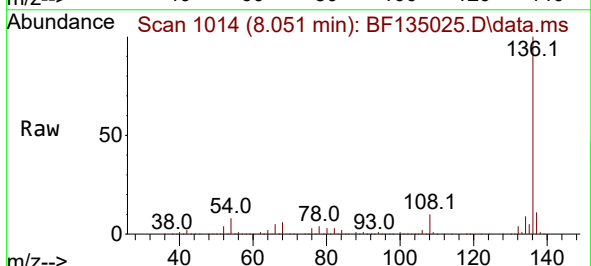
Delta R.T. -0.006 min

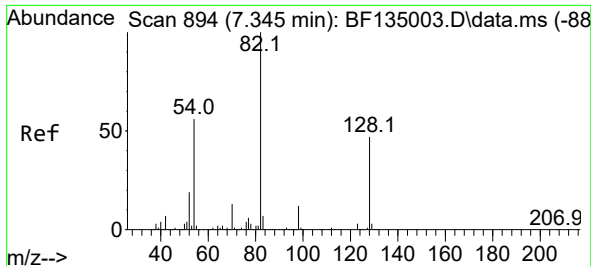
Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Tgt Ion:136 Resp: 550410

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.2	7.0	10.4
68	5.6	4.6	6.8





#23

Nitrobenzene-d5

Concen: 55.192 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135025.D

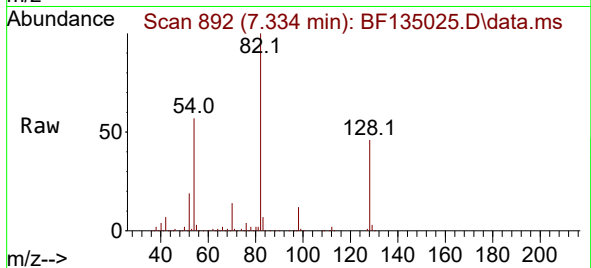
Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-21

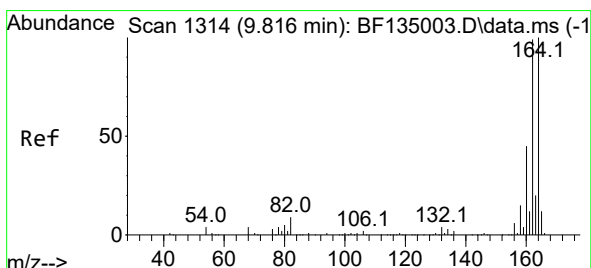
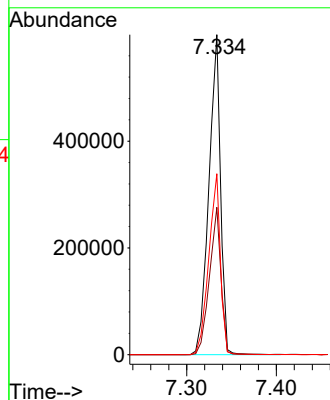
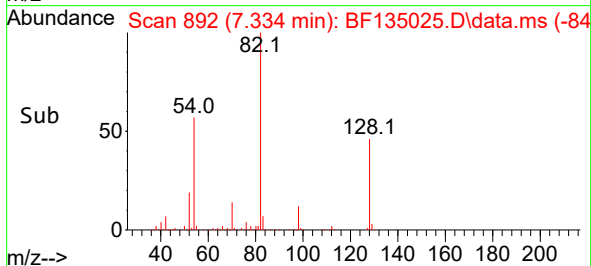


Tgt Ion: 82 Resp: 540724

Ion	Ratio	Lower	Upper
82	100		
128	46.0	37.8	56.8
54	56.5	45.0	67.6

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Supervised By :mohammad ahmed 08/31/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

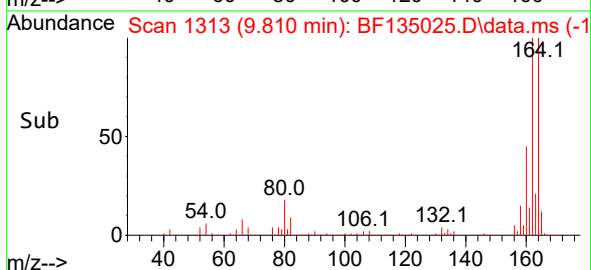
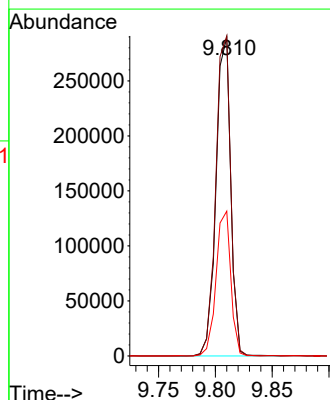
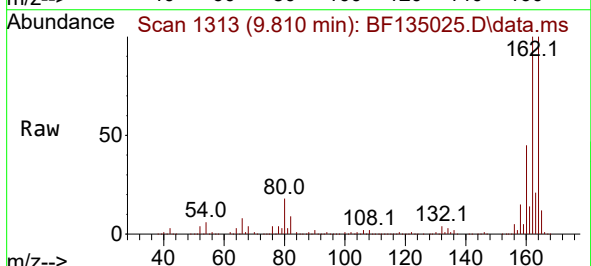
Delta R.T. -0.006 min

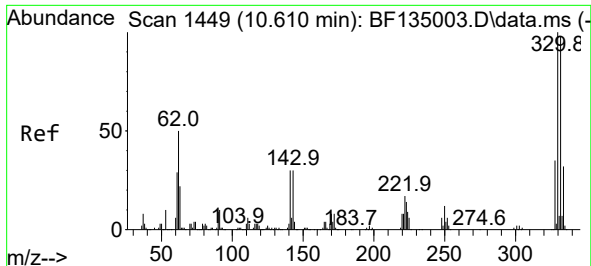
Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Tgt Ion:164 Resp: 260462

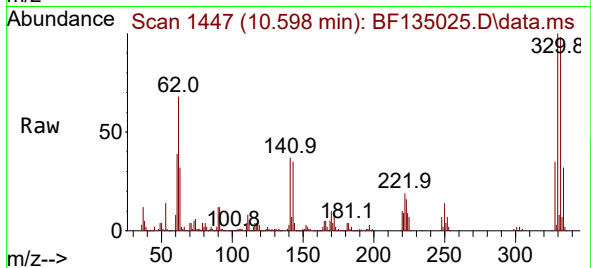
Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.5	119.3
160	45.4	36.0	54.0





#42
2,4,6-Tribromophenol
Concen: 66.931 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

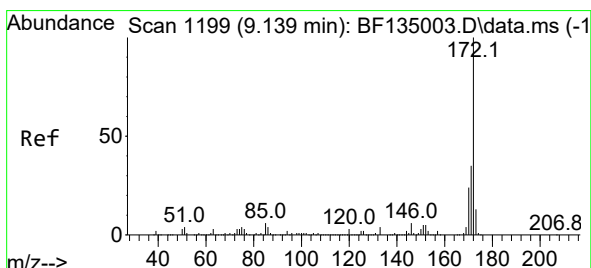
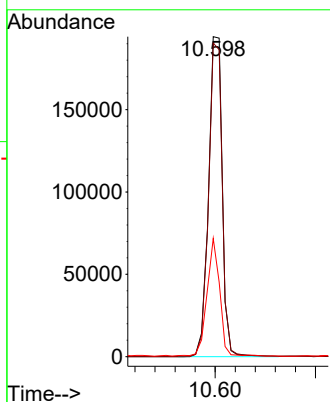
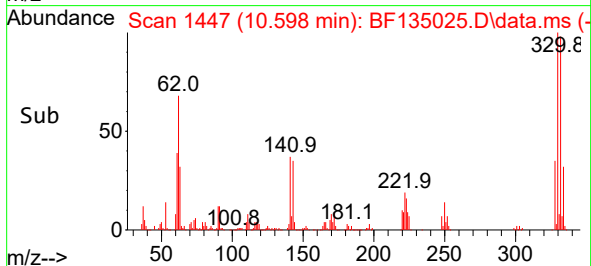
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21



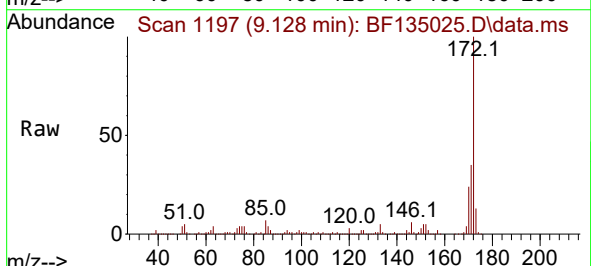
Tgt Ion:330 Resp: 184928
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 33.6 26.3 39.5

Manual Integrations
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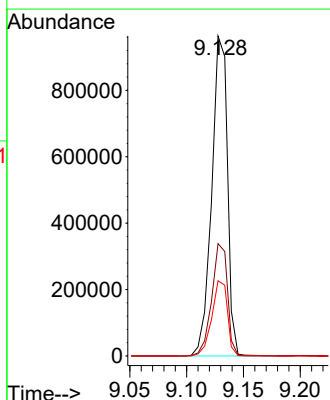
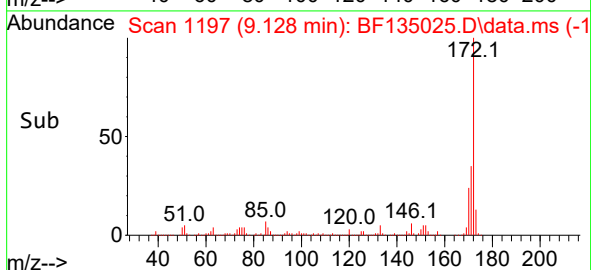
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Supervised By :mohammad ahmed 08/31/2023

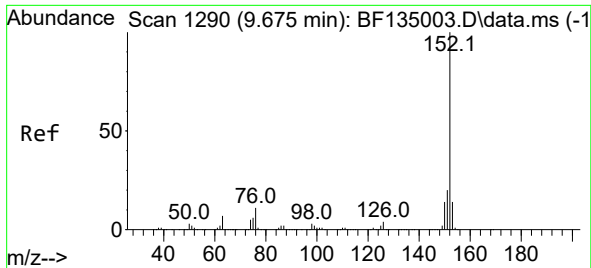


#45
2-Fluorobiphenyl
Concen: 58.046 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25



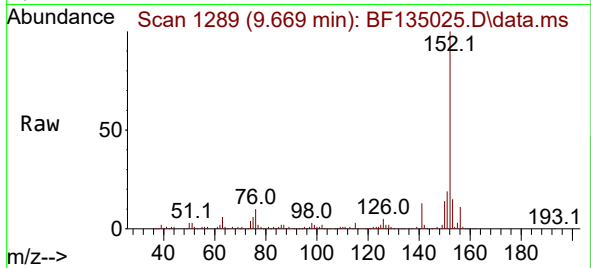
Tgt Ion:172 Resp: 928607
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.5 19.0 28.4





#49
Acenaphthylene
Concen: 3.181 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

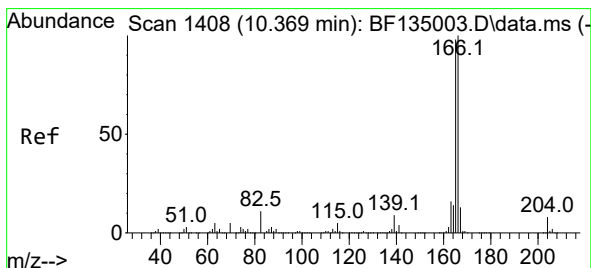
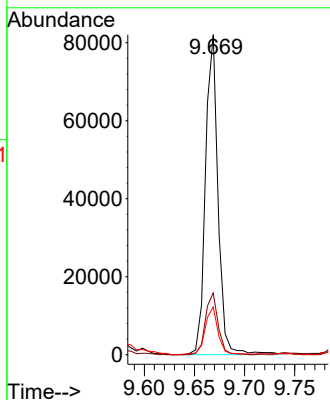
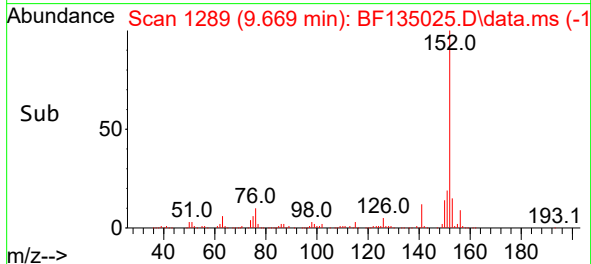
Instrument :
BNA_F
ClientSampleId :
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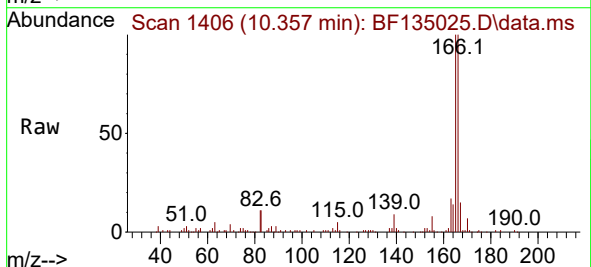
Tgt Ion:152 Resp: 7195
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 14.9 11.4 17.0

Manual Integrations
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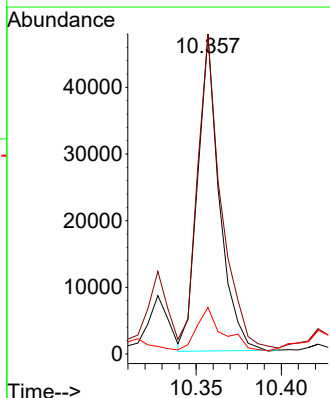
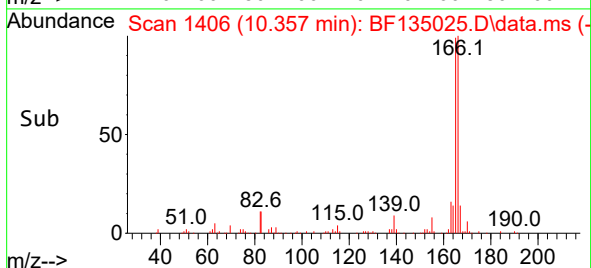
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

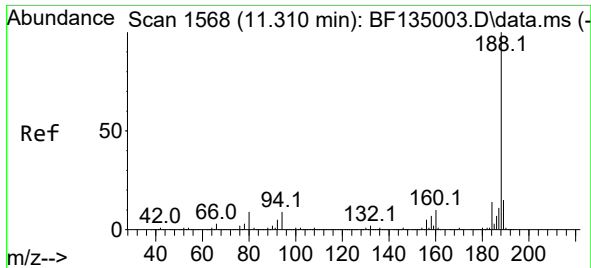


#58
Fluorene
Concen: 2.651 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25



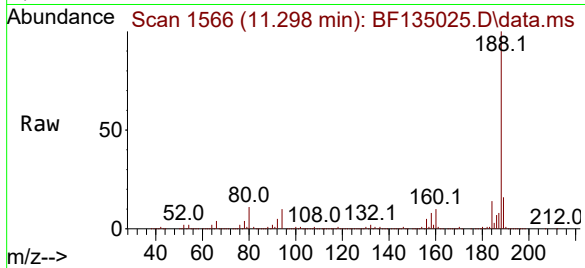
Tgt Ion:166 Resp: 42023
Ion Ratio Lower Upper
166 100
165 100.2 78.0 117.0
167 14.6 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

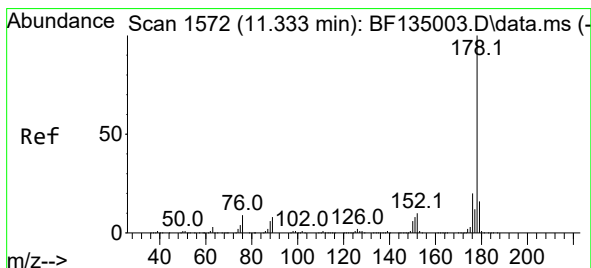
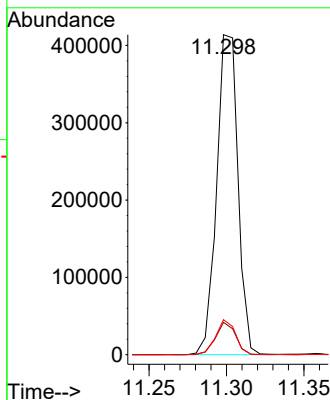
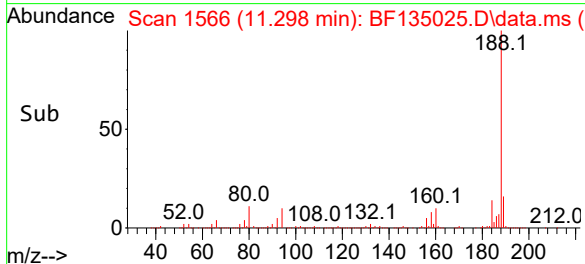
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21



Tgt Ion:188 Resp: 396111
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.4
80 11.0 7.4 11.2

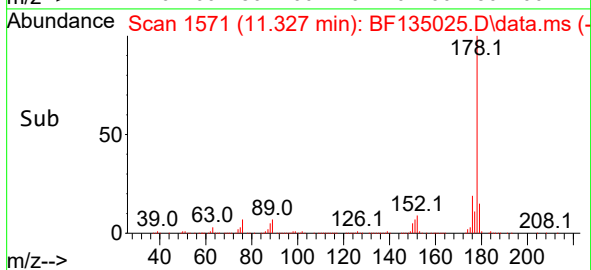
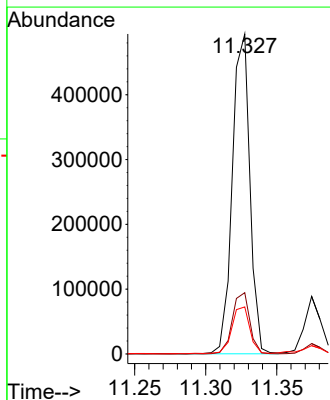
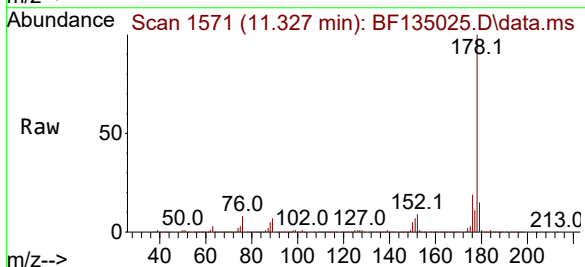
Manual Integrations
APPROVED

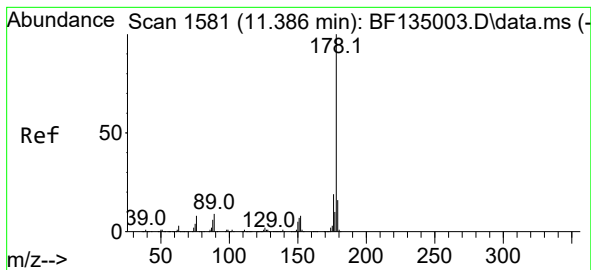
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#71
Phenanthrene
Concen: 20.808 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

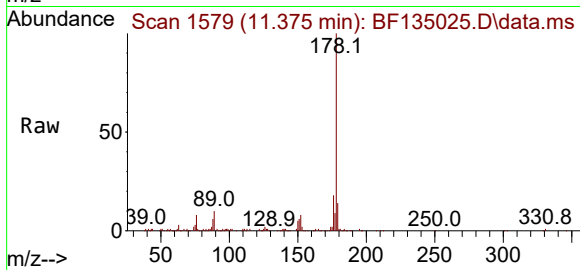
Tgt Ion:178 Resp: 425223
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 14.7 12.5 18.7





#72
 Anthracene
 Concen: 3.299 ng
 RT: 11.375 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135025.D
 Acq: 31 Aug 2023 02:25

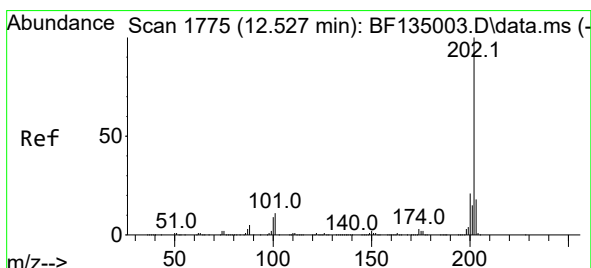
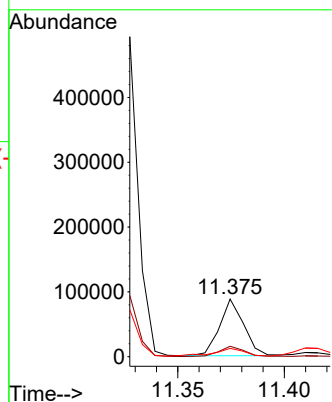
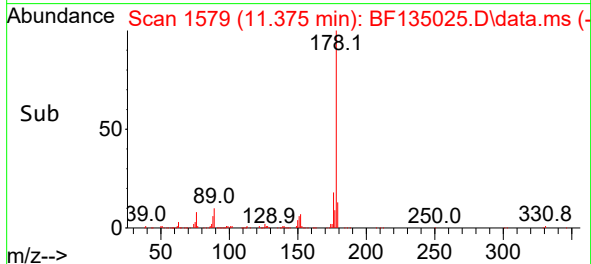
Instrument :
 BNA_F
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 OR-309-OK-370-COMP-21



Tgt Ion:178 Resp: 6888
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 14.4 12.8 19.2

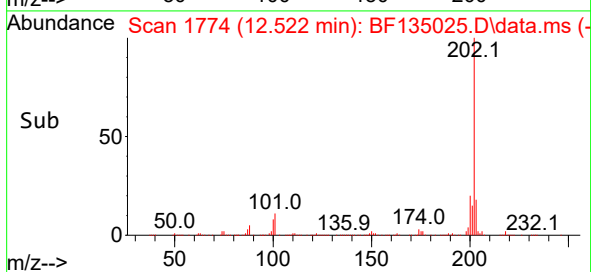
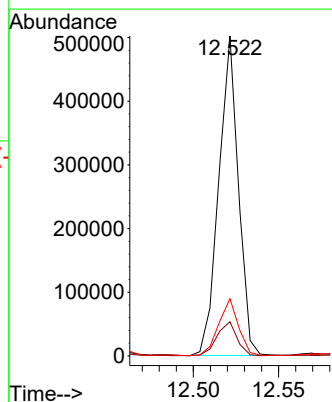
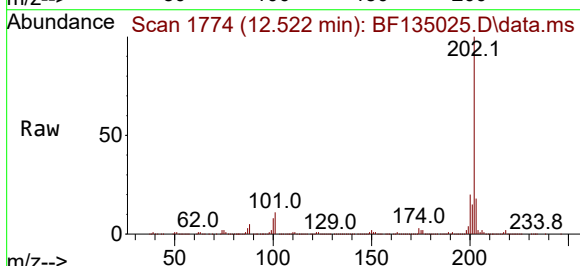
Manual Integrations
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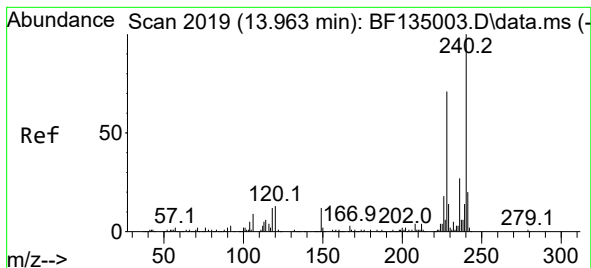
Reviewed By :Yogesh Patel 08/31/2023
 Supervised By :mohammad ahmed 08/31/2023



#75
 Fluoranthene
 Concen: 19.441 ng
 RT: 12.522 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF135025.D
 Acq: 31 Aug 2023 02:25

Tgt Ion:202 Resp: 401687
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.5
 203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

Instrument :

BNA_F

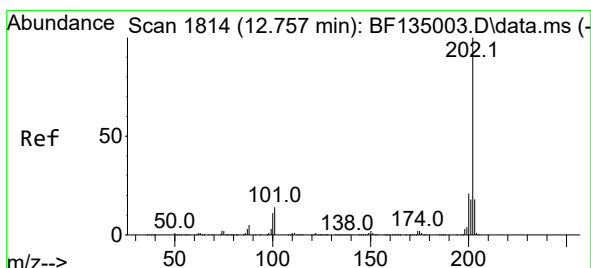
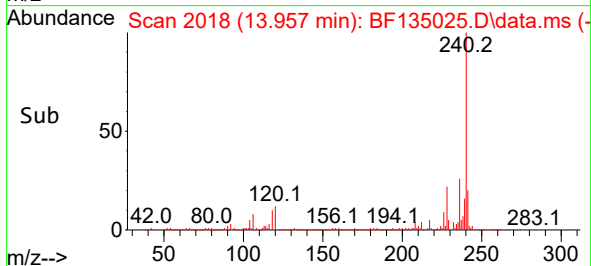
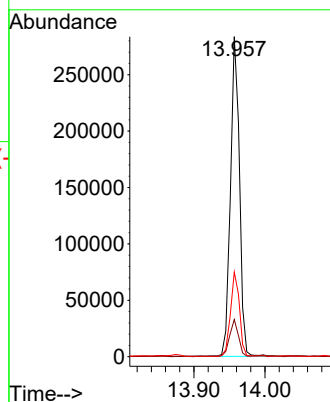
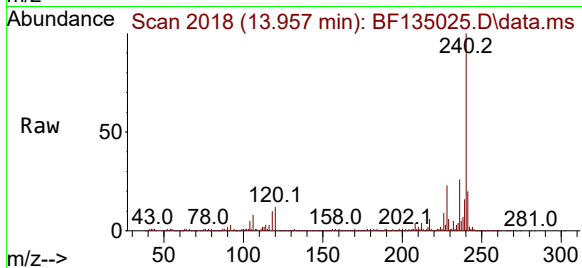
ClientSampleId :

OR-309-OK-370-COMP-21

Tgt Ion:240 Resp: 24959
 Ion Ratio Lower Upper
 240 100
 120 11.6 10.2 15.2
 236 26.5 21.3 31.9

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Reviewed By :Yogesh Patel 08/31/2023
 Supervised By :mohammad ahmed 08/31/2023



#78

Pyrene

Concen: 20.884 ng

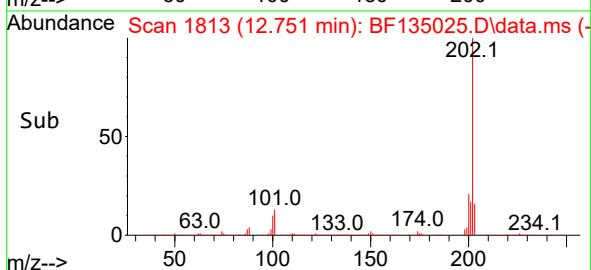
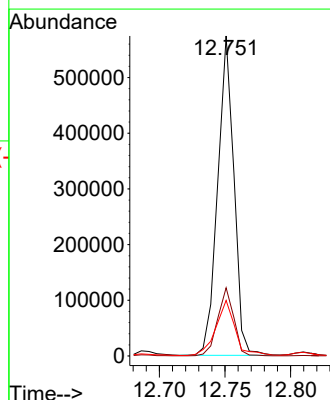
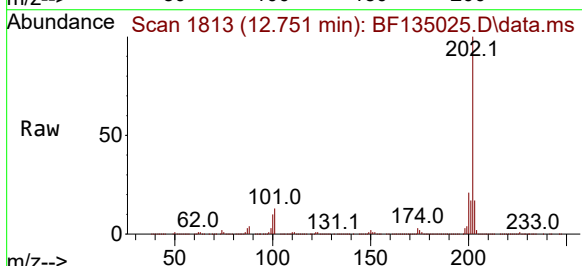
RT: 12.751 min Scan# 1813

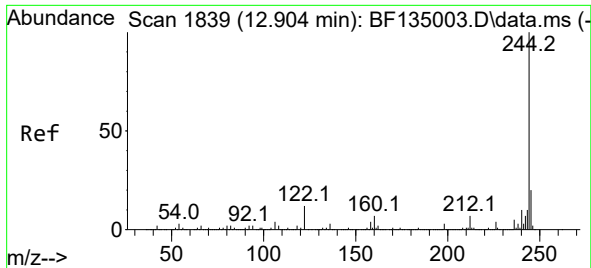
Delta R.T. -0.006 min

Lab File: BF135025.D

Acq: 31 Aug 2023 02:25

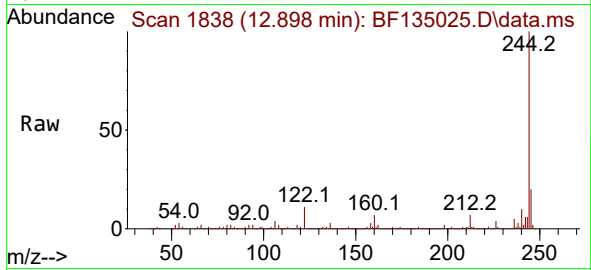
Tgt Ion:202 Resp: 494918
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.6
 203 17.4 14.2 21.2





#79
 Terphenyl-d14
 Concen: 44.567 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF135025.D
 Acq: 31 Aug 2023 02:25

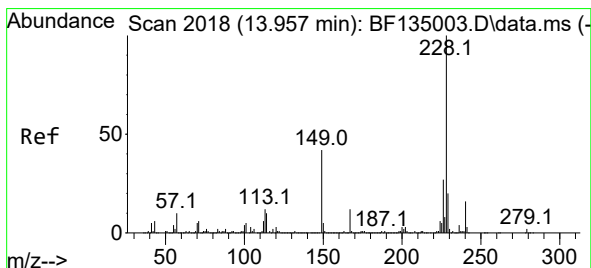
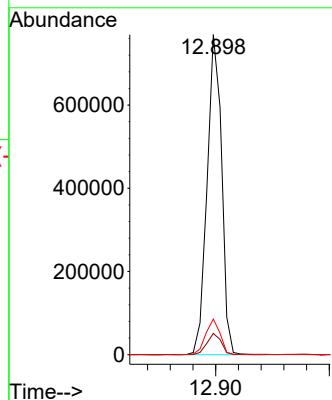
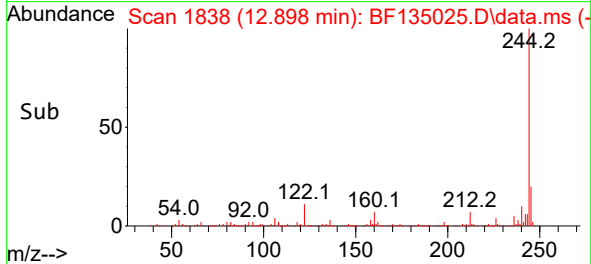
Instrument :
 BNA_F
 ClientSampleId :
 OR-309-OK-370-COMP-21



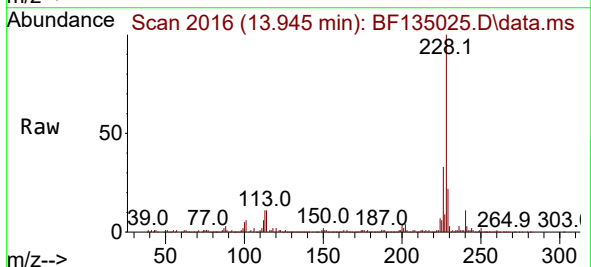
Tgt Ion:244 Resp: 681633
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.1 9.8 14.6

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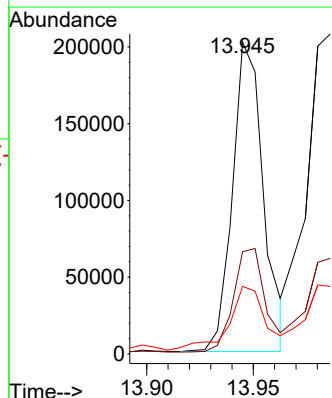
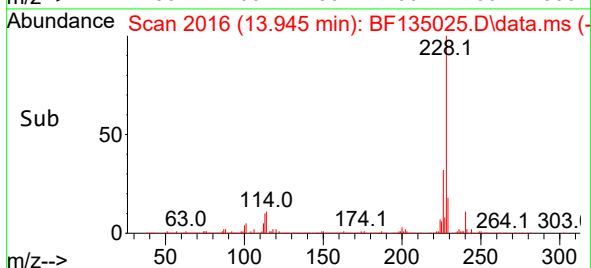
Reviewed By :Yogesh Patel 08/31/2023
 Supervised By :mohammad ahmed 08/31/2023

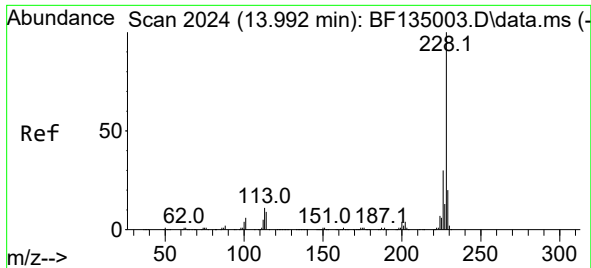


#81
 Benzo(a)anthracene
 Concen: 11.967 ng m
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF135025.D
 Acq: 31 Aug 2023 02:25



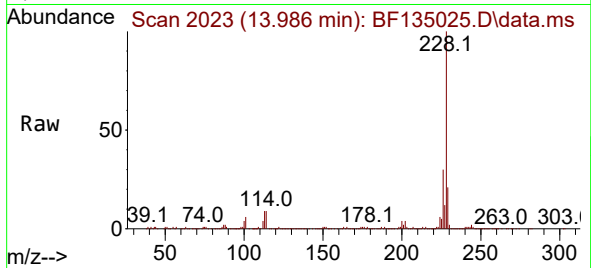
Tgt Ion:228 Resp: 203750
 Ion Ratio Lower Upper
 228 100
 226 32.8 21.6 32.4#
 229 21.7 15.6 23.4





#83
Chrysene
Concen: 13.159 ng
RT: 13.986 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

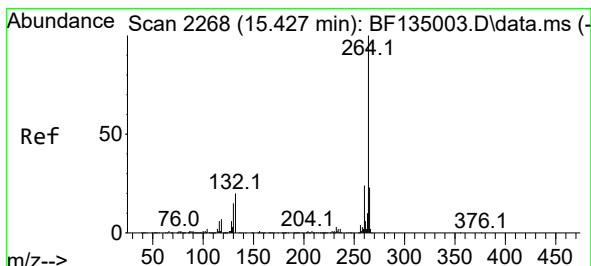
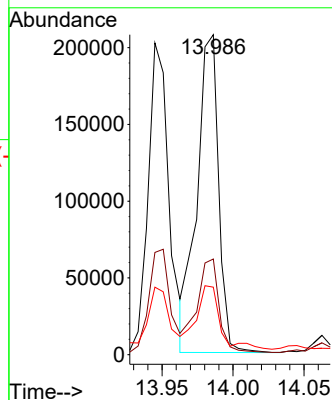
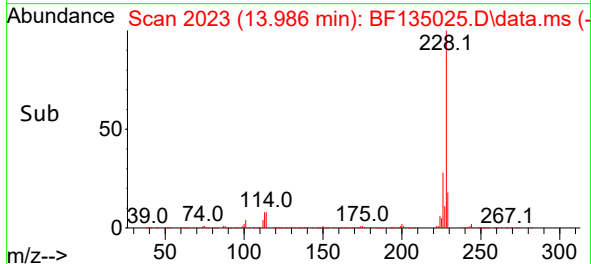
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21



Tgt Ion:228 Resp: 22018
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 21.1 15.9 23.9

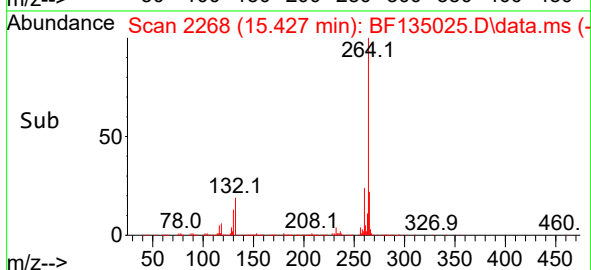
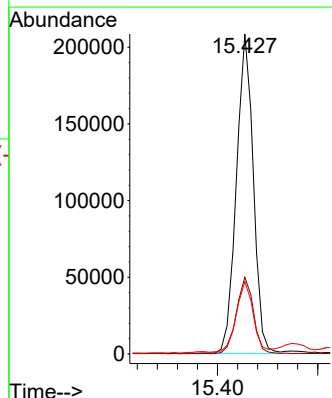
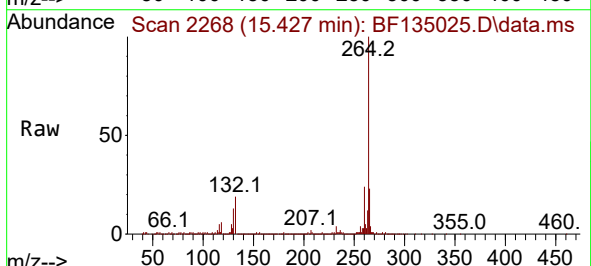
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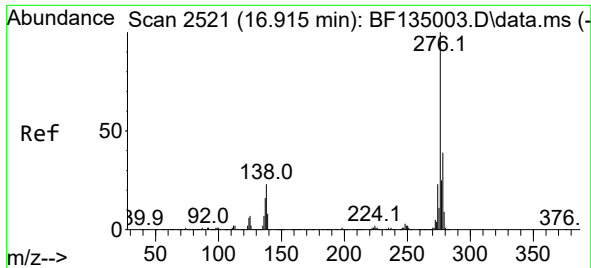
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

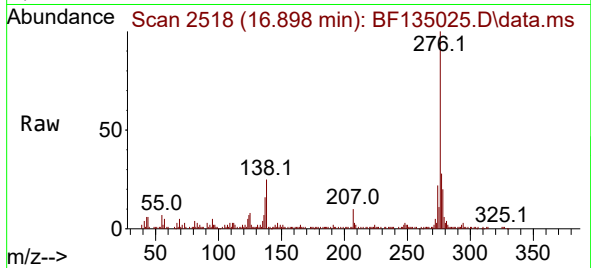
Tgt Ion:264 Resp: 244563
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 22.6 18.2 27.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.659 ng
RT: 16.898 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

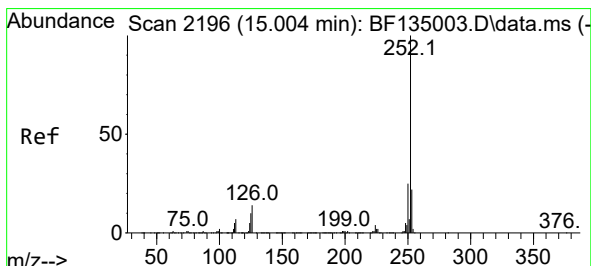
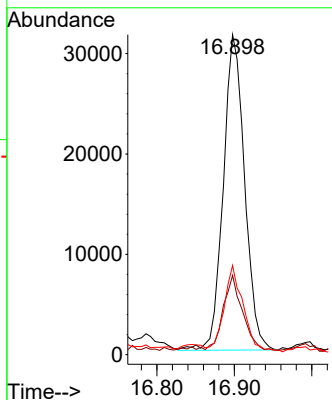
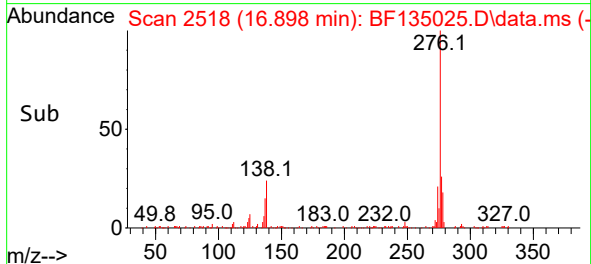
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21



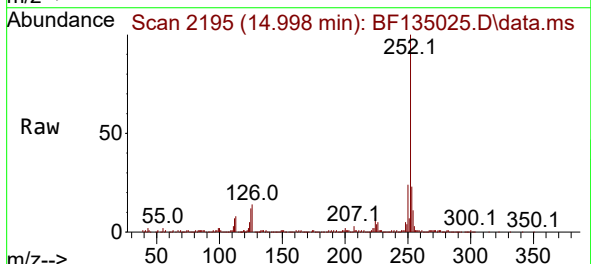
Tgt Ion: 276 Resp: 60269
Ion Ratio Lower Upper
276 100
138 21.5 20.2 30.2
277 24.7 20.4 30.6

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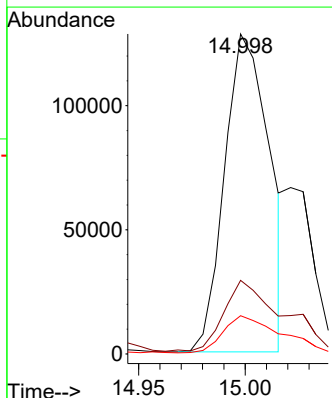
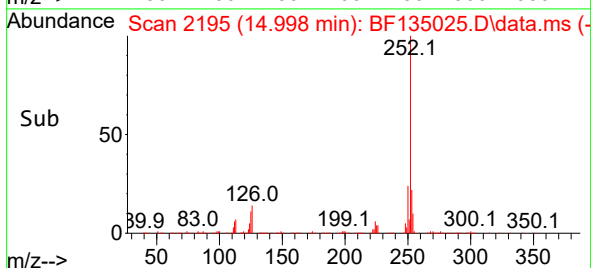
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

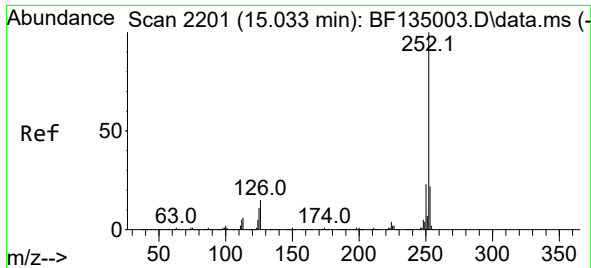


#88
Benzo(b)fluoranthene
Concen: 12.338 ng m
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25



Tgt Ion: 252 Resp: 187749
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.0 8.4 12.6





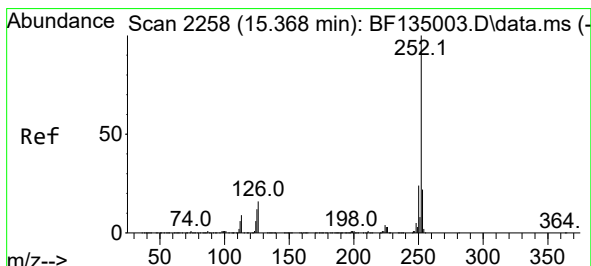
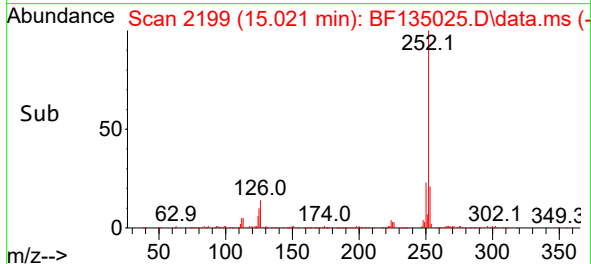
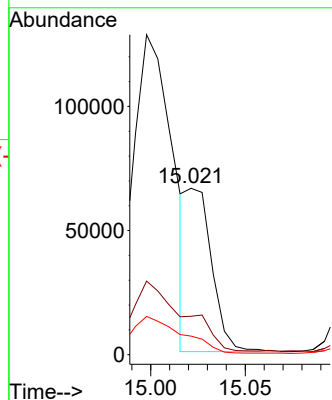
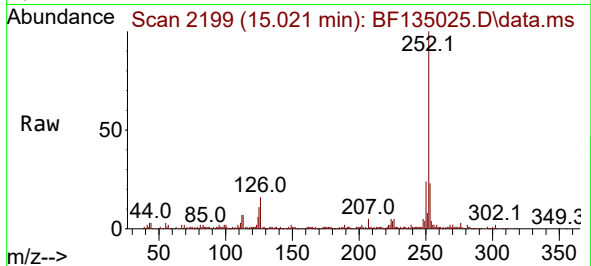
#89
Benzo(k)fluoranthene
Concen: 4.169 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21

Tgt Ion:252 Resp: 61294
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.2 8.5 12.7

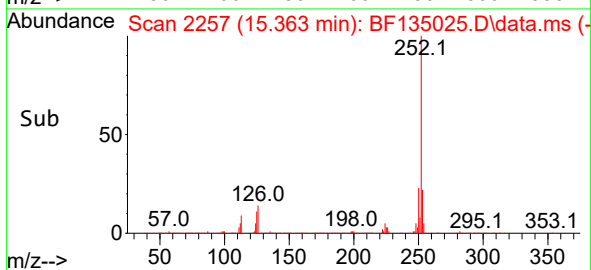
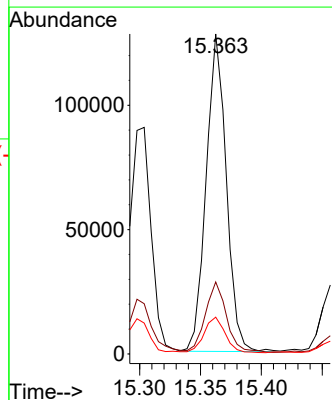
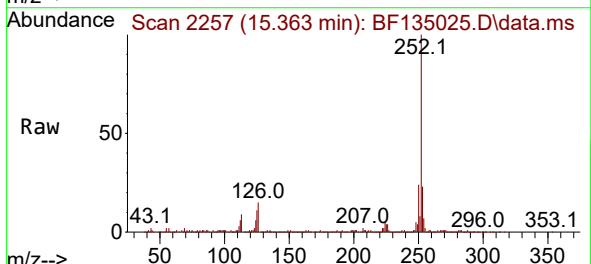
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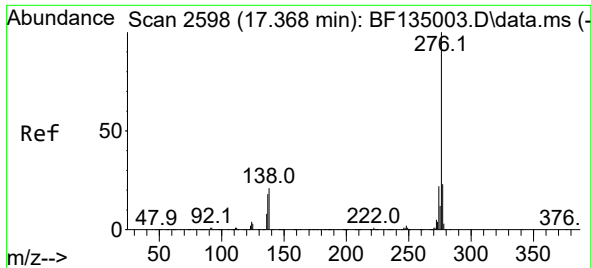
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#90
Benzo(a)pyrene
Concen: 10.397 ng
RT: 15.363 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

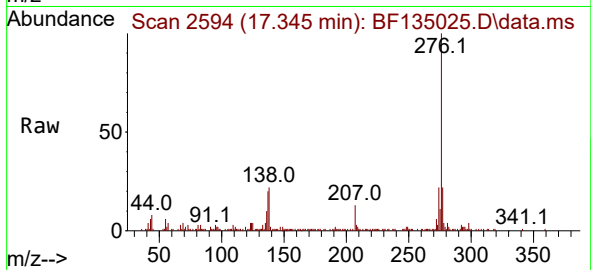
Tgt Ion:252 Resp: 146968
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 11.5 9.5 14.3





#92
Benzo(g,h,i)perylene
Concen: 4.524 ng
RT: 17.345 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF135025.D
Acq: 31 Aug 2023 02:25

Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-21



Tgt Ion:276 Resp: 62775
Ion Ratio Lower Upper
276 100
277 21.9 18.5 27.7
138 21.7 17.1 25.7

Manual Integrations
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Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

