

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135413.D
 Acq On : 22 Sep 2023 22:19
 Operator : CG\JU
 Sample : 04491-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B102-04

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 23 04:59:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	166772	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	594673	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	269292	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	410106	20.000	ng	0.00
76) Chrysene-d12	13.939	240	318544	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	350308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	896834	87.464	ng	0.00
7) Phenol-d6	6.404	99	1092214	83.770	ng	0.00
23) Nitrobenzene-d5	7.322	82	662231	60.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	177634	66.378	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1007072	56.422	ng	-0.01
79) Terphenyl-d14	12.880	244	686236	33.396	ng	-0.01
Target Compounds						
75) Fluoranthene	12.504	202	65568	3.244	ng	Qvalue 98
78) Pyrene	12.733	202	66752	2.201	ng	99
88) Benzo(b)fluoranthene	14.986	252	62347m	3.288	ng	
90) Benzo(a)pyrene	15.345	252	39665	2.193	ng	# 83

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

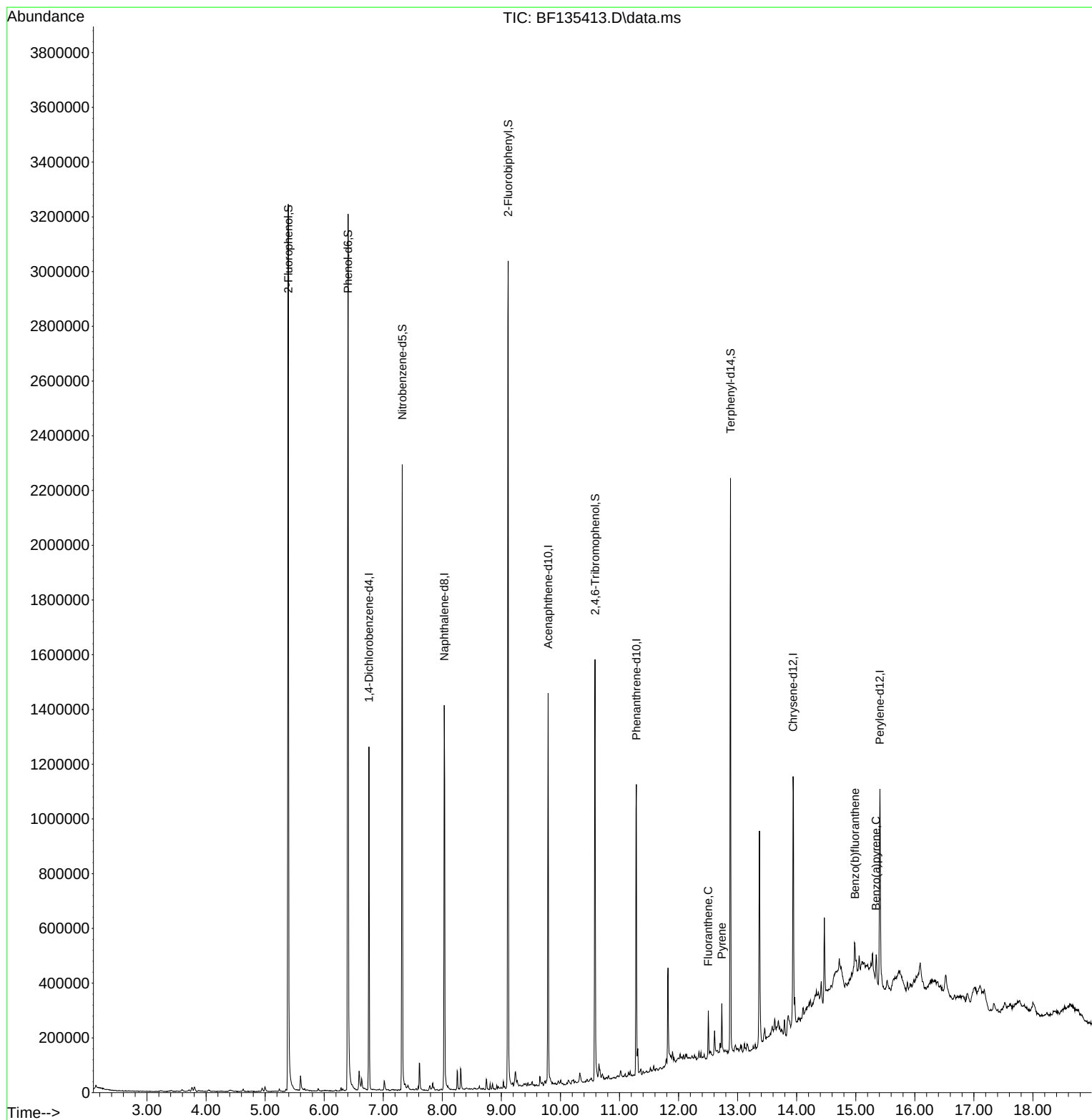
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
Data File : BF135413.D
Acq On : 22 Sep 2023 22:19
Operator : CG\JU
Sample : 04491-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

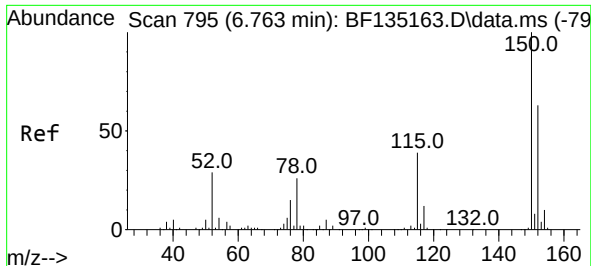
Instrument :
BNA_F
ClientSampleId :
B102-04

Quant Time: Sep 23 04:59:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

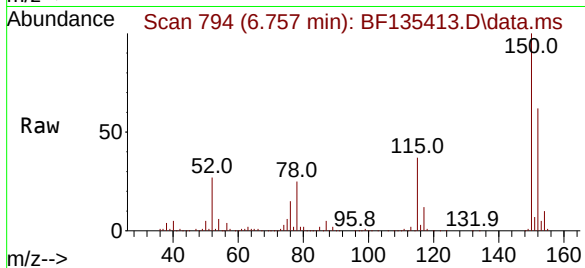
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

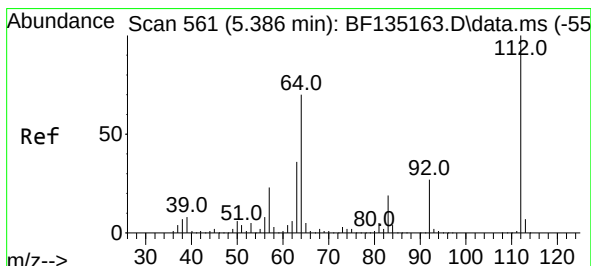
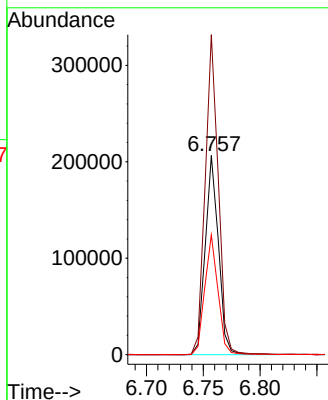
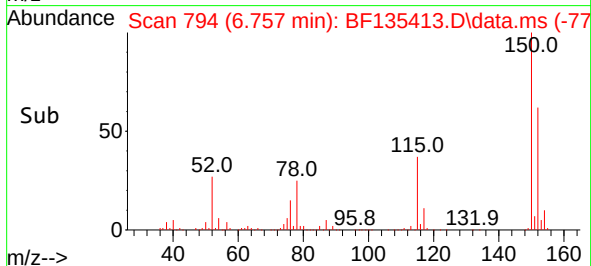
Instrument :
BNA_F
ClientSampleId :
B102-04



Tgt Ion:152 Resp: 166772
Ion Ratio Lower Upper
152 100
150 160.6 127.8 191.6
115 60.2 49.8 74.8

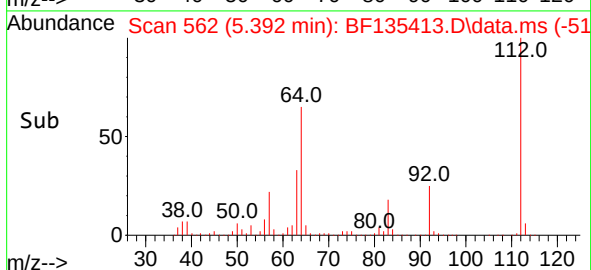
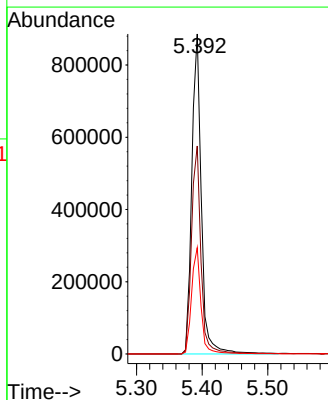
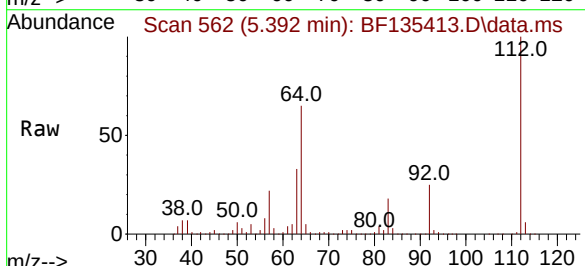
Manual Integrations
APPROVED

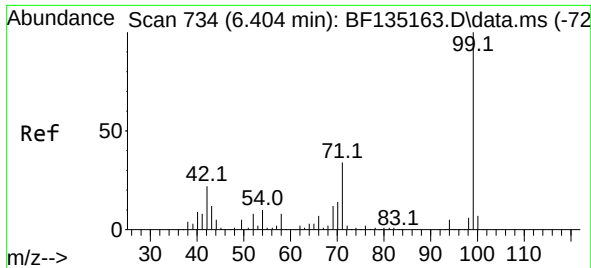
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#5
2-Fluorophenol
Concen: 87.464 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

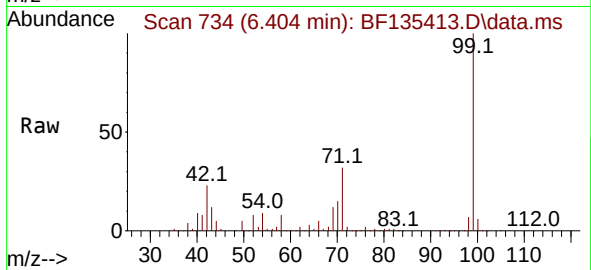
Tgt Ion:112 Resp: 896834
Ion Ratio Lower Upper
112 100
64 65.0 55.9 83.9
63 33.2 29.0 43.6





#7
Phenol-d6
Concen: 83.770 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

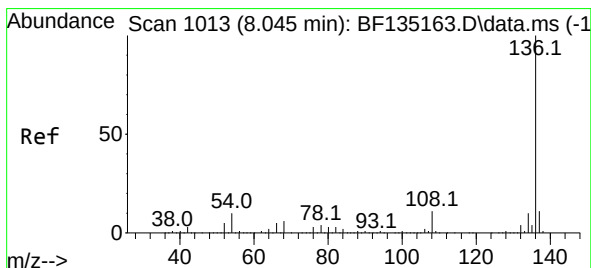
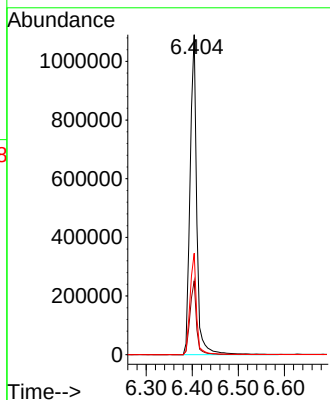
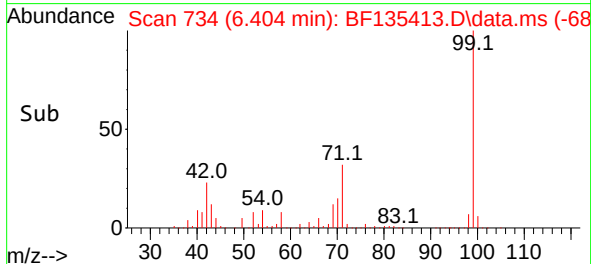
Instrument :
BNA_F
ClientSampleId :
B102-04



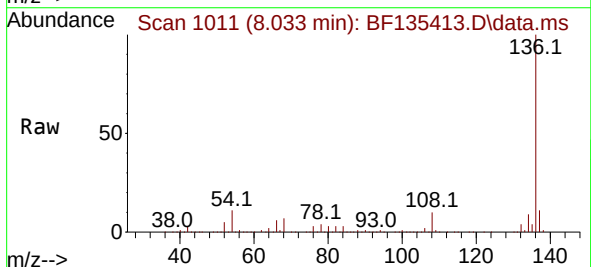
Tgt Ion: 99 Resp: 1092214
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 31.7 27.0 40.6

Manual Integrations
APPROVED

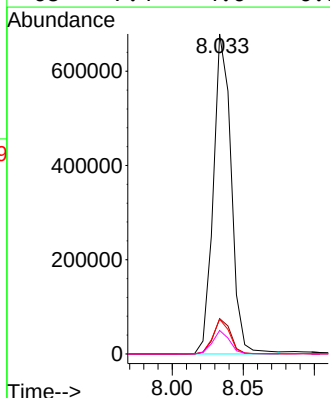
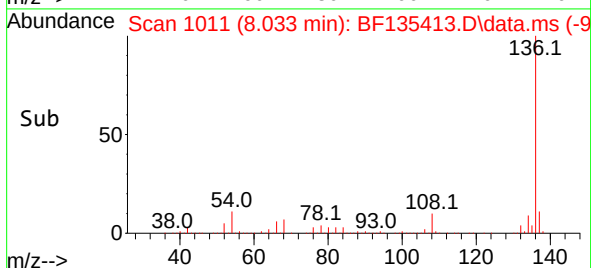
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

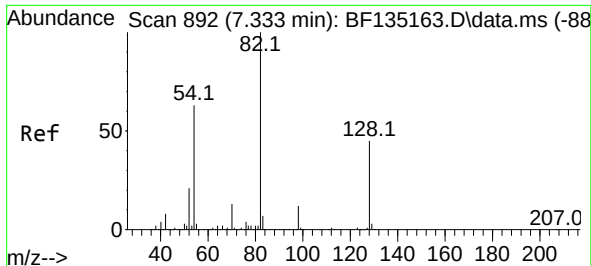


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19



Tgt Ion:136 Resp: 594673
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.8 7.7 11.5
68 7.4 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 60.502 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04

Tgt Ion: 82 Resp: 66223

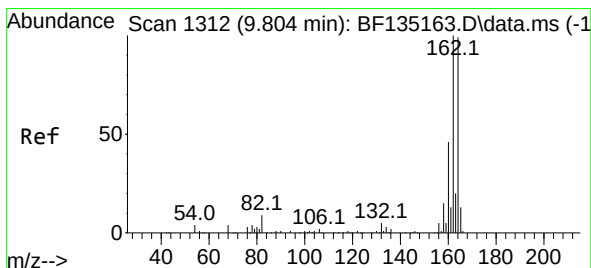
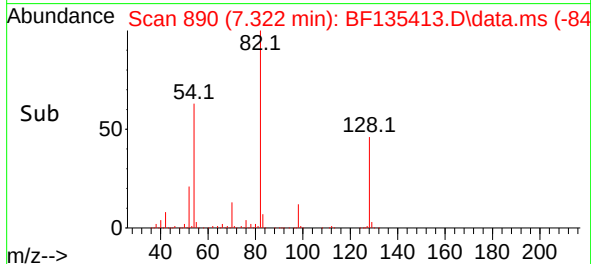
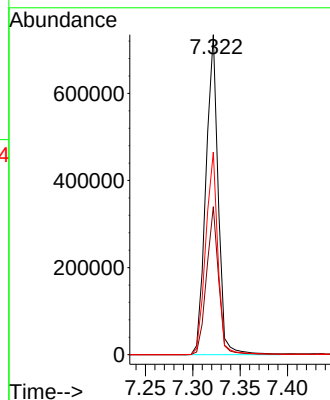
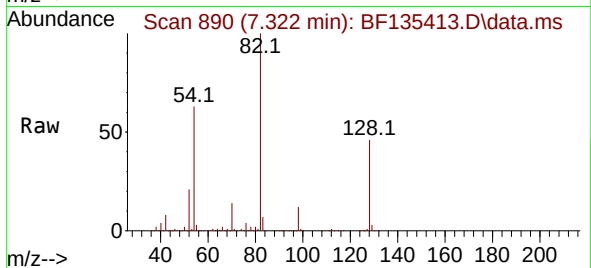
Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.8	53.6
54	63.3	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

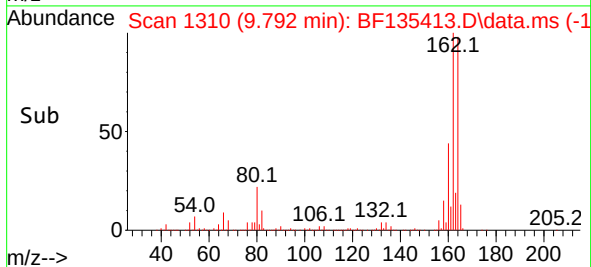
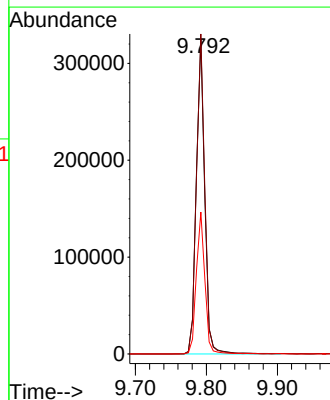
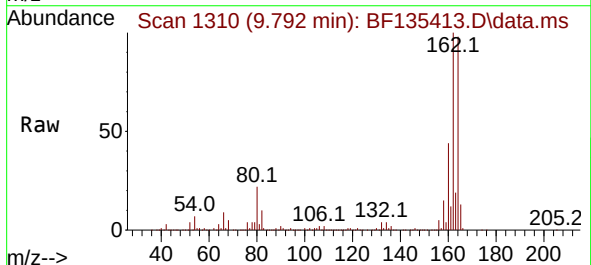
Delta R.T. -0.012 min

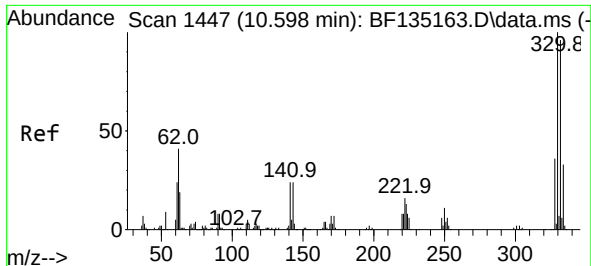
Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Tgt Ion:164 Resp: 269292

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.0	121.4
160	45.1	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 66.378 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

Instrument :

BNA_F

ClientSampleId :

B102-04

Tgt Ion:330 Resp: 177634

Ion Ratio Lower Upper

330 100

332 97.4 77.3 115.9

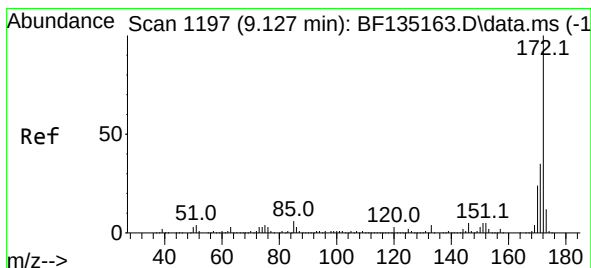
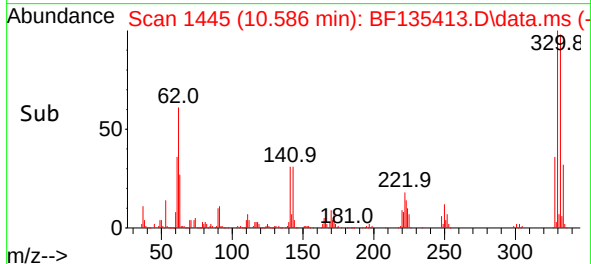
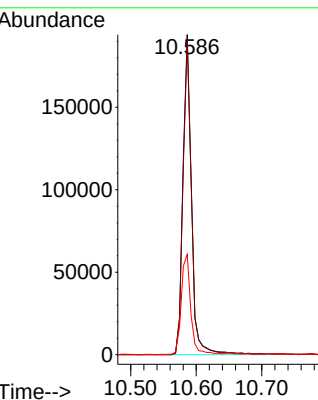
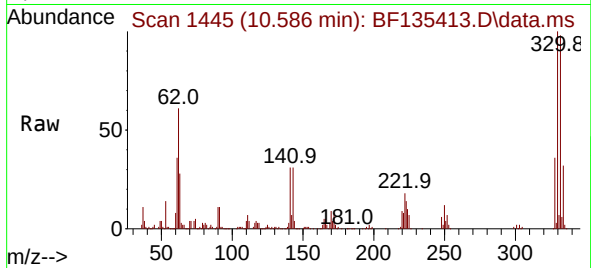
141 34.5 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2023

Supervised By :mohammad ahmed 09/27/2023



#45

2-Fluorobiphenyl

Concen: 56.422 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135413.D

Acq: 22 Sep 2023 22:19

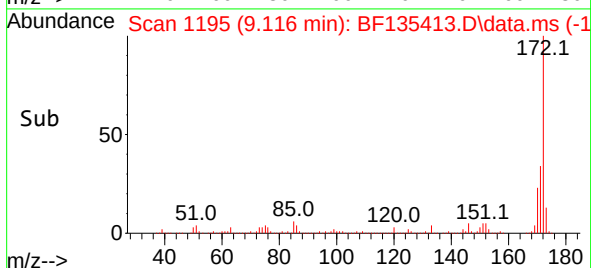
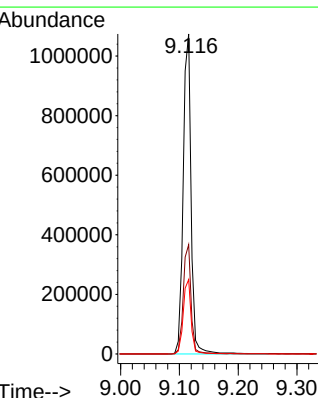
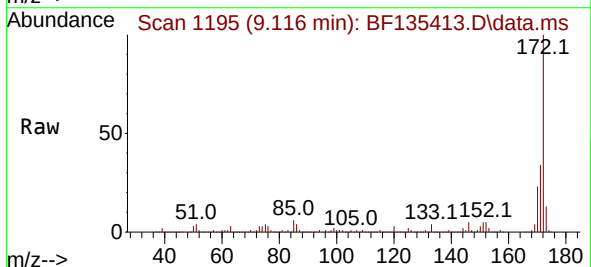
Tgt Ion:172 Resp: 1007072

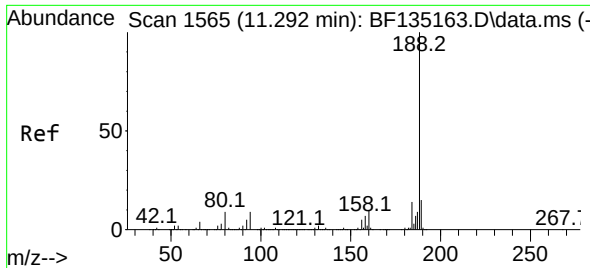
Ion Ratio Lower Upper

172 100

171 34.2 28.4 42.6

170 23.2 19.0 28.4





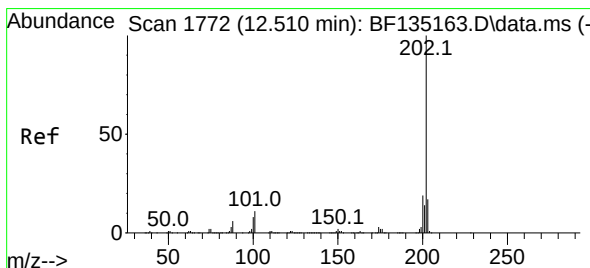
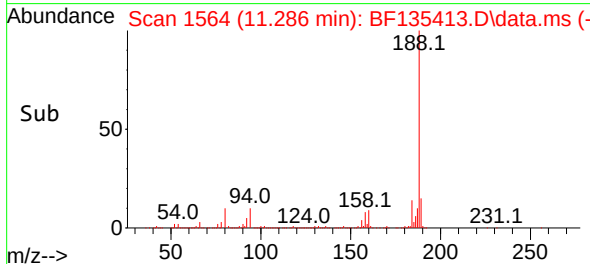
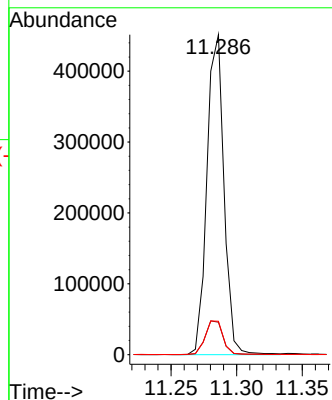
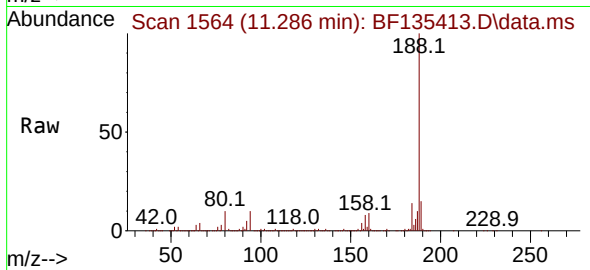
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11286
Delta R.T. -0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

Instrument :
BNA_F
ClientSampleId :
B102-04

Tgt Ion:188 Resp: 410100
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 10.5 7.5 11.3

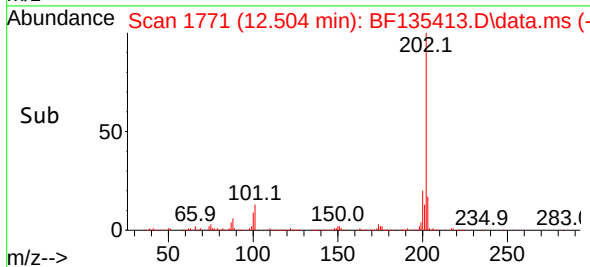
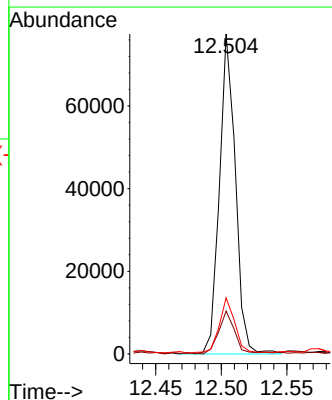
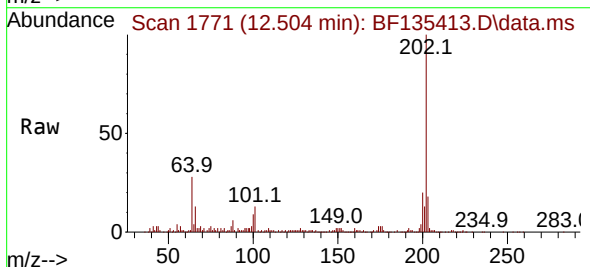
Manual Integrations
APPROVED

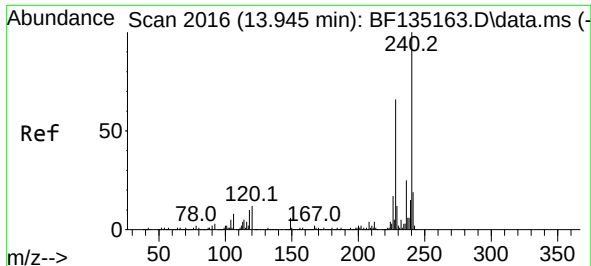
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#75
Fluoranthene
Concen: 3.244 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

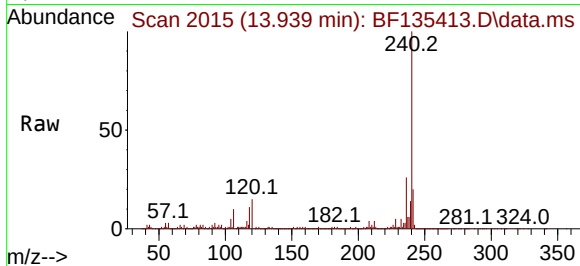
Tgt Ion:202 Resp: 65568
Ion Ratio Lower Upper
202 100
101 13.4 0.0 31.3
203 17.6 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

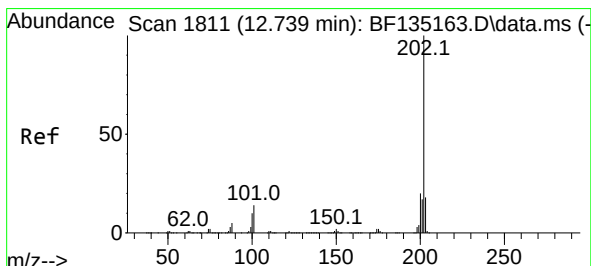
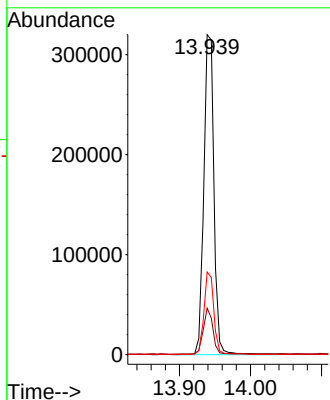
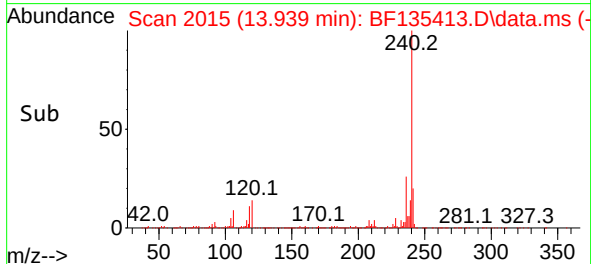
Instrument :
BNA_F
ClientSampleId :
B102-04



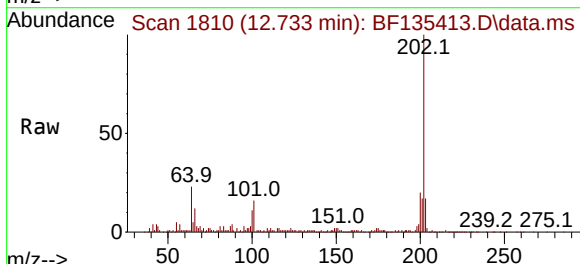
Tgt Ion:240 Resp: 318544
Ion Ratio Lower Upper
240 100
120 14.6 9.4 14.2
236 25.9 19.8 29.8

Manual Integrations
APPROVED

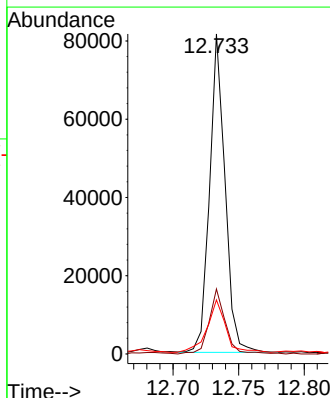
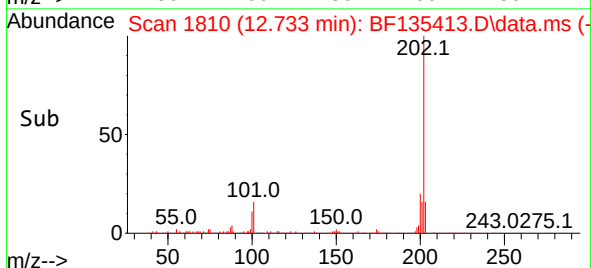
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023

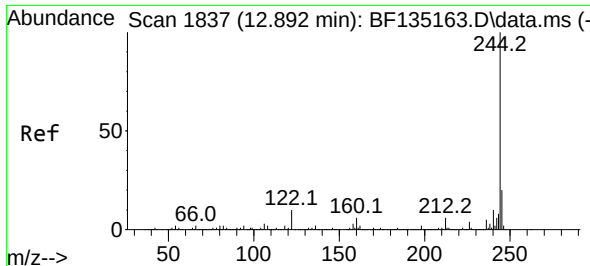


#78
Pyrene
Concen: 2.201 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19



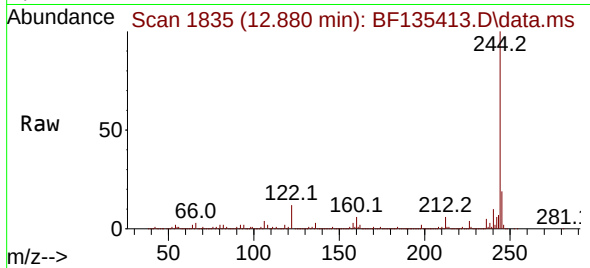
Tgt Ion:202 Resp: 66752
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 16.9 14.2 21.4





#79
Terphenyl-d14
Concen: 33.396 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

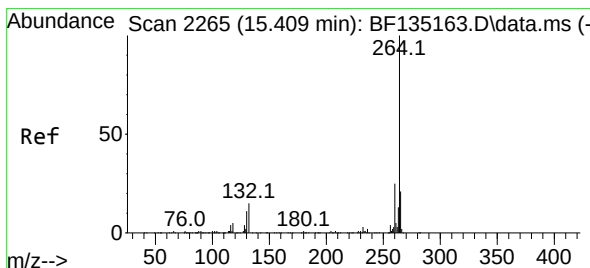
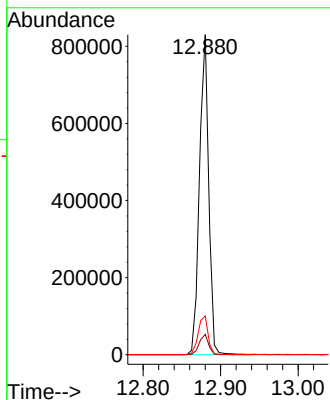
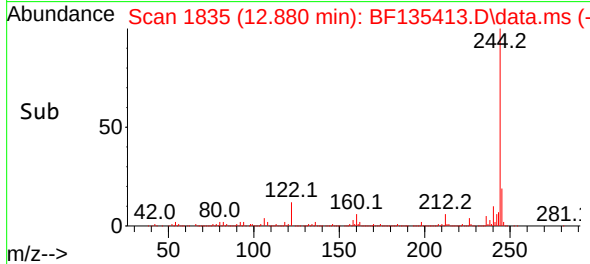
Instrument :
BNA_F
ClientSampleId :
B102-04



Tgt Ion:244 Resp: 686230
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 12.1 7.9 11.9

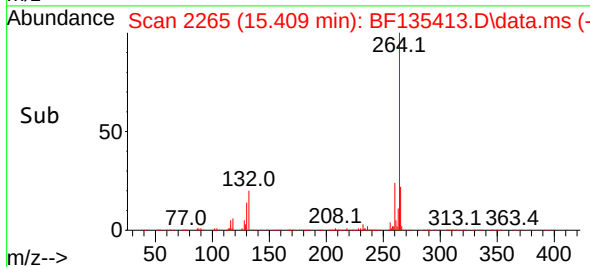
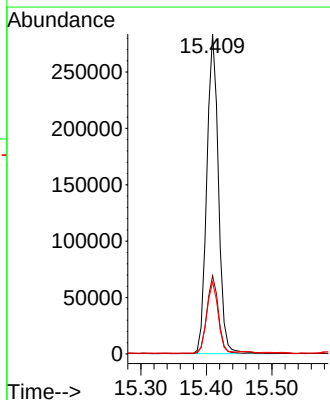
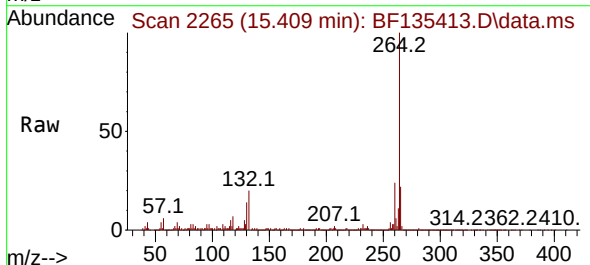
Manual Integrations
APPROVED

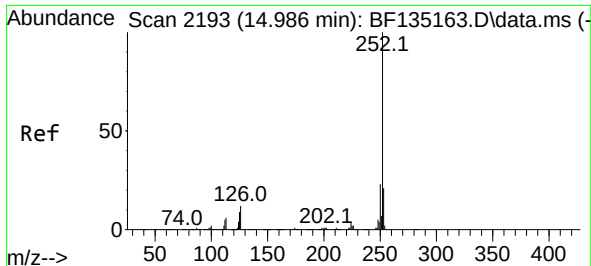
Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

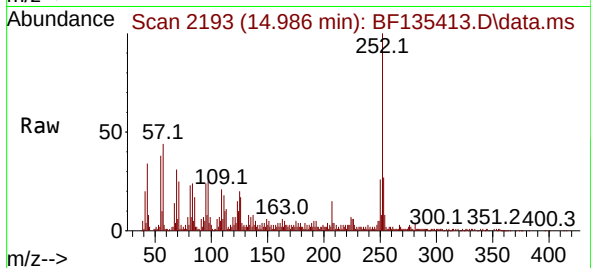
Tgt Ion:264 Resp: 350308
Ion Ratio Lower Upper
264 100
260 24.4 19.8 29.6
265 22.4 17.0 25.4





#88
Benzo(b)fluoranthene
Concen: 3.288 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

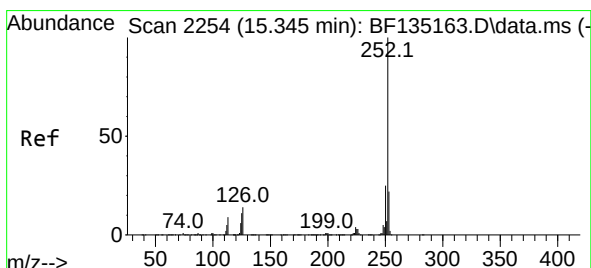
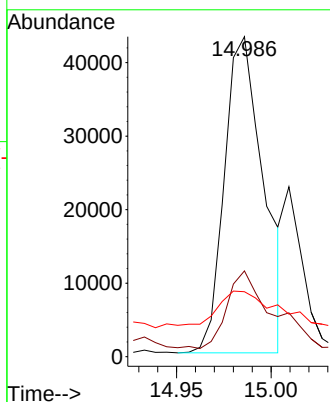
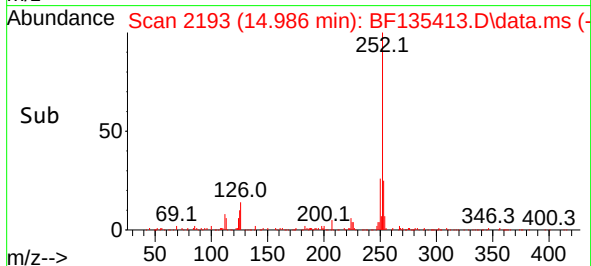
Instrument :
BNA_F
ClientSampleId :
B102-04



Tgt Ion:252 Resp: 62345
Ion Ratio Lower Upper
252 100
253 26.8 17.2 25.8
125 20.3 7.1 10.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/25/2023
Supervised By :mohammad ahmed 09/27/2023



#90
Benzo(a)pyrene
Concen: 2.193 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135413.D
Acq: 22 Sep 2023 22:19

Tgt Ion:252 Resp: 39665
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 23.6 9.2 13.8

