

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138413.D
 Acq On : 01 Jul 2024 20:04
 Operator : CG\JU
 Sample : P3077-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-N-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024

Quant Time: Jul 02 01:16:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	185011	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	685244	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	298797	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	399212	20.000	ng	0.00
76) Chrysene-d12	14.027	240	340766	20.000	ng	0.00
86) Perylene-d12	15.492	264	270439	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	865269	77.540	ng	0.00
7) Phenol-d6	6.510	99	1120151	74.516	ng	0.00
23) Nitrobenzene-d5	7.434	82	688234	52.174	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	155922	63.871	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	923312	49.178	ng	0.00
79) Terphenyl-d14	12.974	244	764900	30.761	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	220077	11.291	ng	98
72) Anthracene	11.463	178	60085	3.091	ng	99
75) Fluoranthene	12.604	202	370888	21.225	ng	99
78) Pyrene	12.833	202	333628	9.160	ng	100
81) Benzo(a)anthracene	14.016	228	186968	8.524	ng	97
83) Chrysene	14.051	228	154340	7.232	ng	97
87) Indeno(1,2,3-cd)pyrene	16.957	276	48197	3.547	ng	95
88) Benzo(b)fluoranthene	15.063	252	142820m	9.625	ng	
89) Benzo(k)fluoranthene	15.092	252	55364m	4.051	ng	
90) Benzo(a)pyrene	15.427	252	95944	7.377	ng	# 96
92) Benzo(g,h,i)perylene	17.398	276	43997	4.100	ng	# 88

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

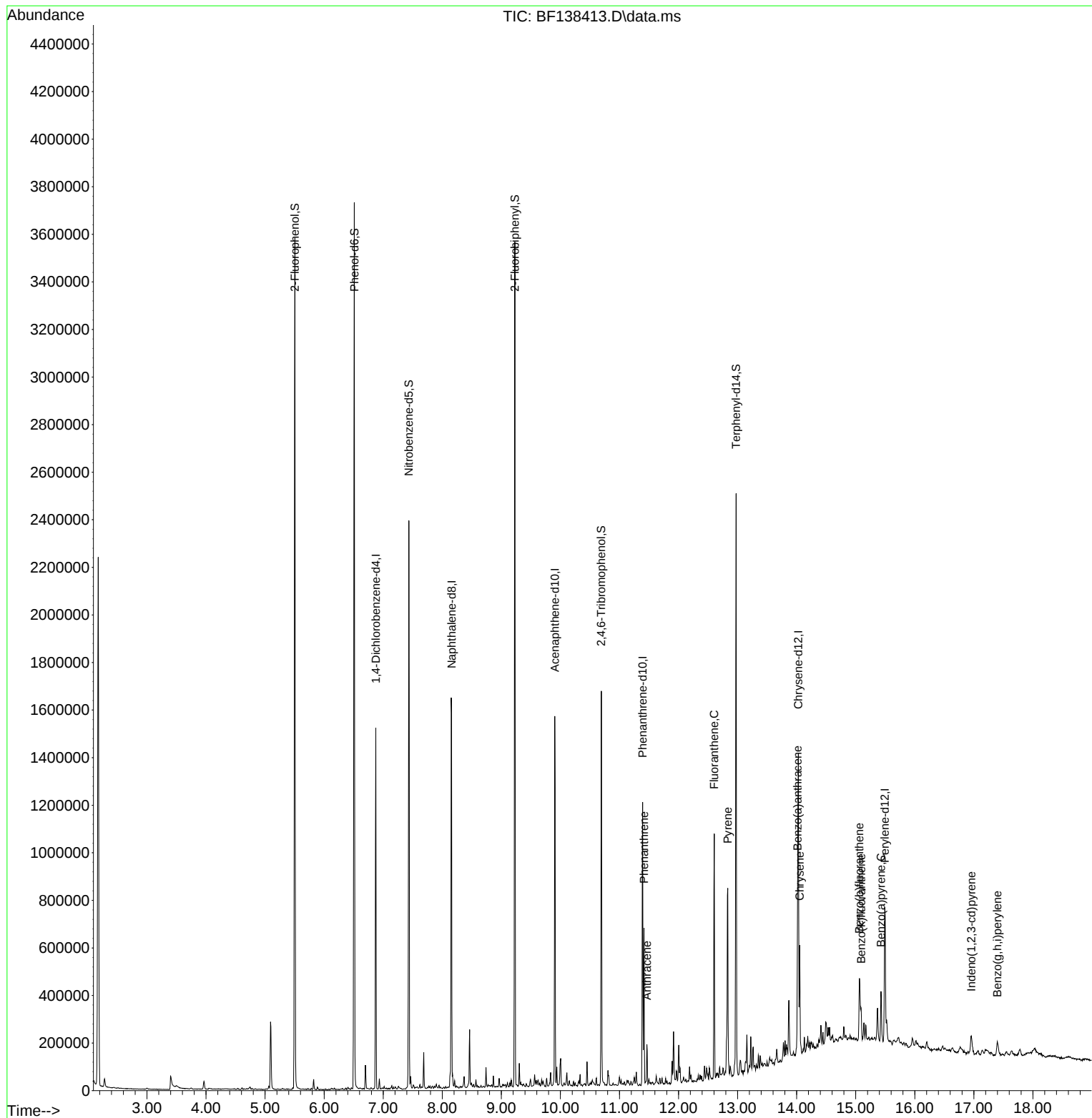
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
Data File : BF138413.D
Acq On : 01 Jul 2024 20:04
Operator : CG\JU
Sample : P3077-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

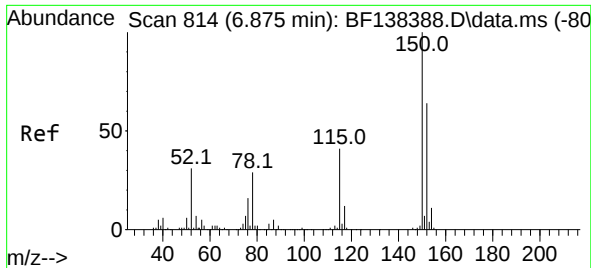
Instrument :
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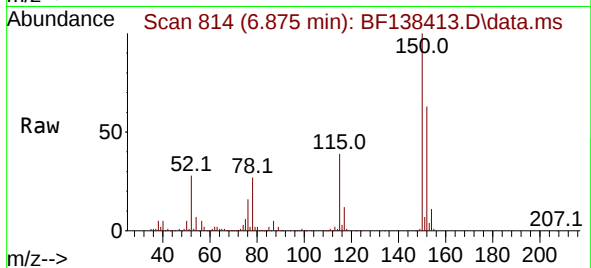
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

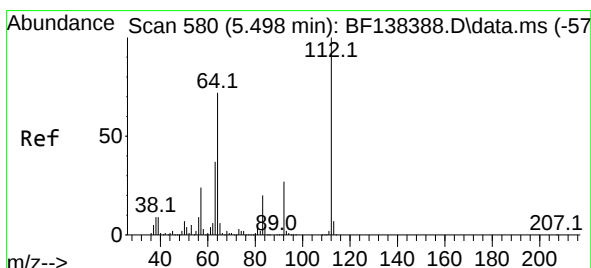
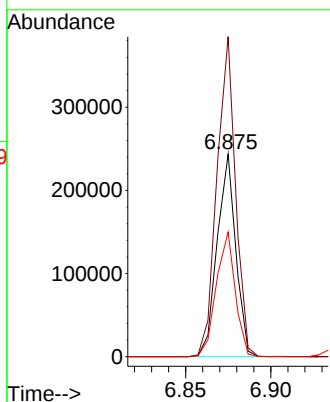
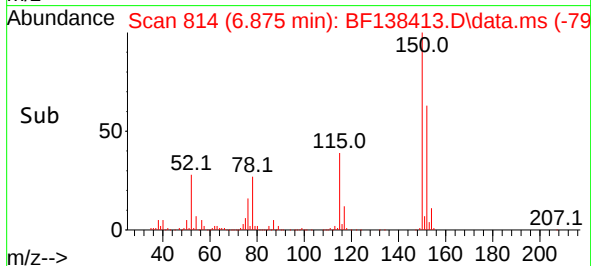
Instrument :
BNA_F
ClientSampleId :
1-N-1



Tgt Ion:152 Resp: 18501
Ion Ratio Lower Upper
152 100
150 158.0 124.9 187.3
115 61.5 50.8 76.2

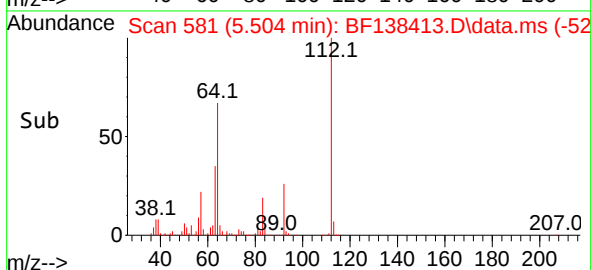
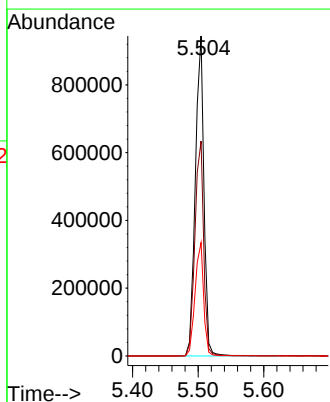
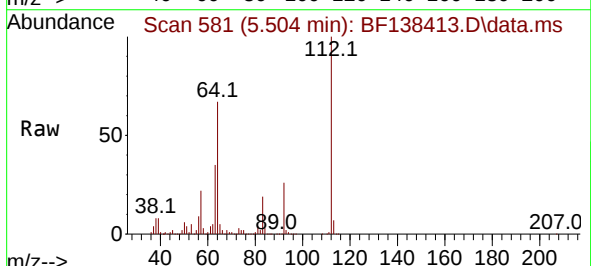
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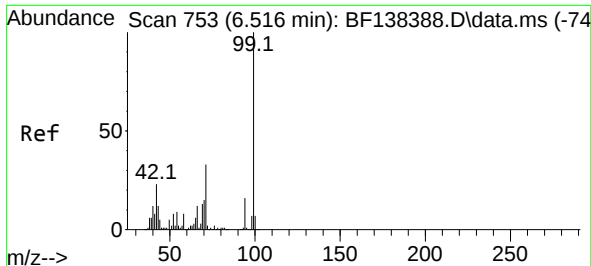
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#5
2-Fluorophenol
Concen: 77.540 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

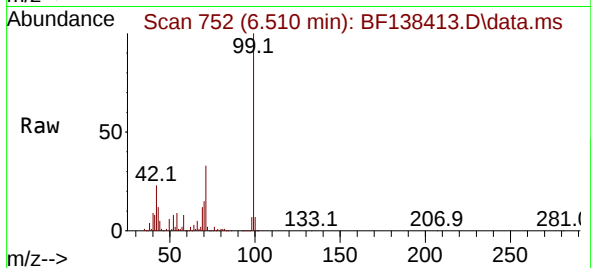
Tgt Ion:112 Resp: 865269
Ion Ratio Lower Upper
112 100
64 67.1 57.2 85.8
63 35.4 29.4 44.0





#7
Phenol-d6
Concen: 74.516 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

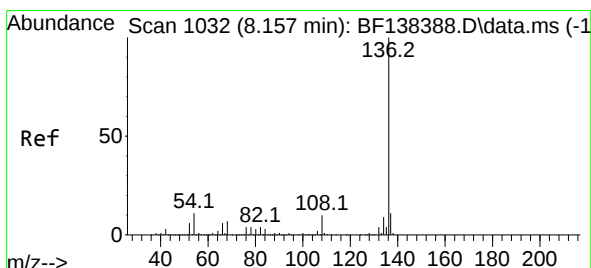
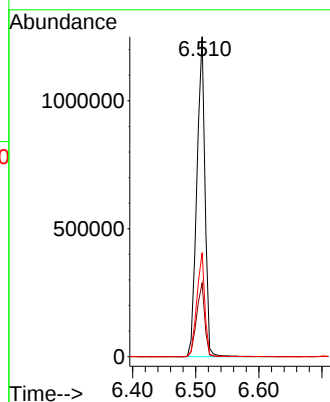
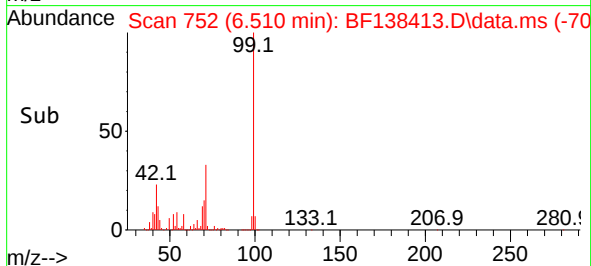
Instrument :
BNA_F
ClientSampleId :
1-N-1



Tgt Ion: 99 Resp: 112015
Ion Ratio Lower Upper
99 100
42 23.0 18.5 27.7
71 32.5 26.1 39.1

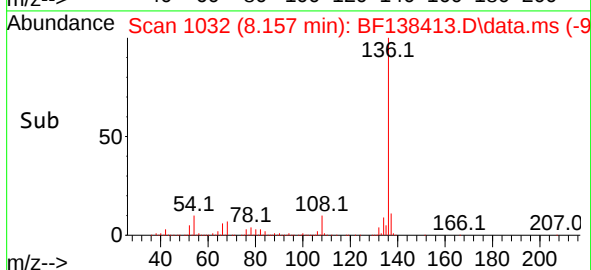
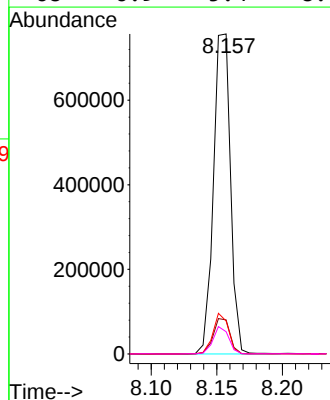
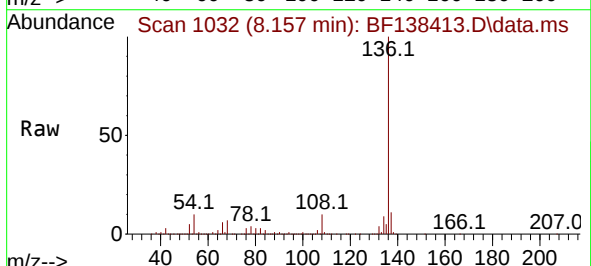
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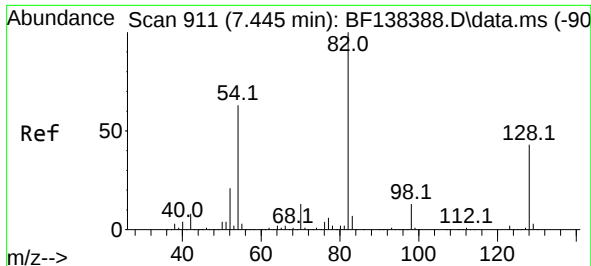
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:136 Resp: 685244
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 10.3 9.0 13.4
68 6.9 5.4 8.0





#23

Nitrobenzene-d5

Concen: 52.174 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

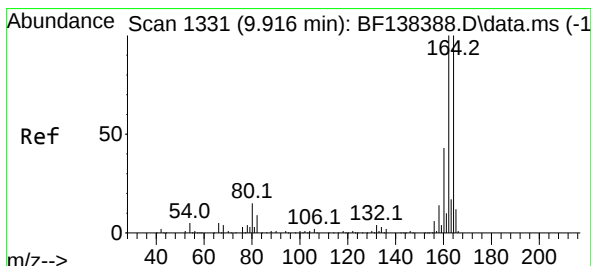
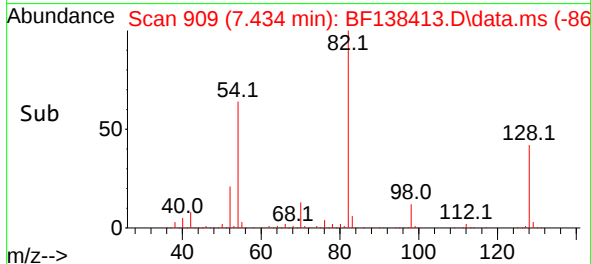
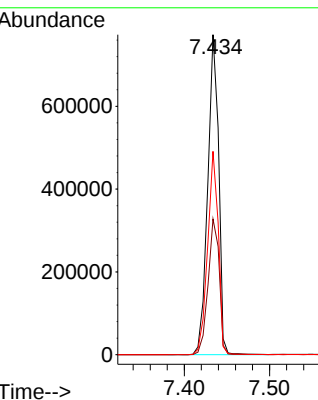
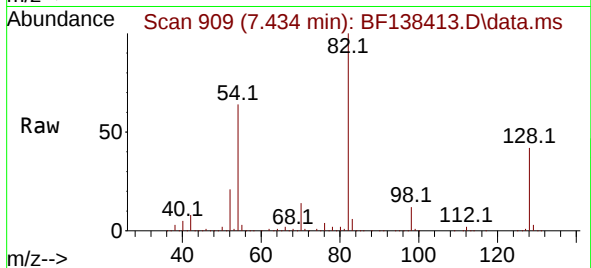
1-N-1

Tgt Ion: 82 Resp: 688234
 Ion Ratio Lower Upper
 82 100
 128 42.4 34.6 52.0
 54 63.5 50.5 75.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

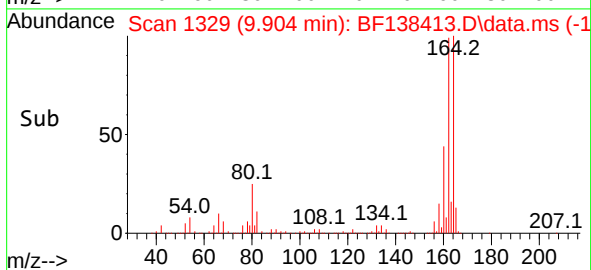
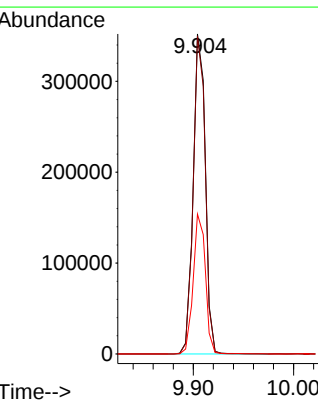
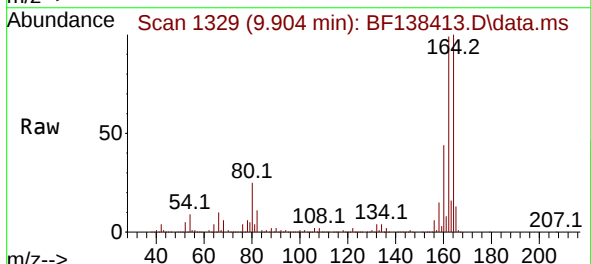
RT: 9.904 min Scan# 1329

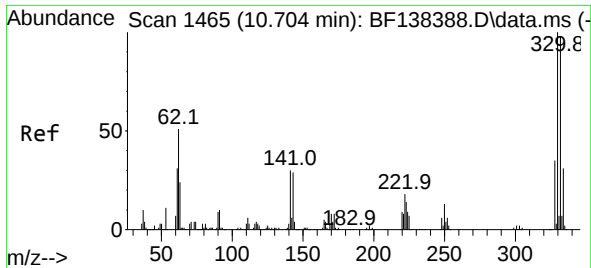
Delta R.T. -0.012 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

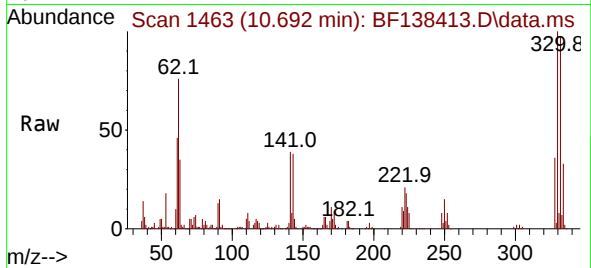
Tgt Ion:164 Resp: 298797
 Ion Ratio Lower Upper
 164 100
 162 99.4 80.1 120.1
 160 43.7 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 63.871 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

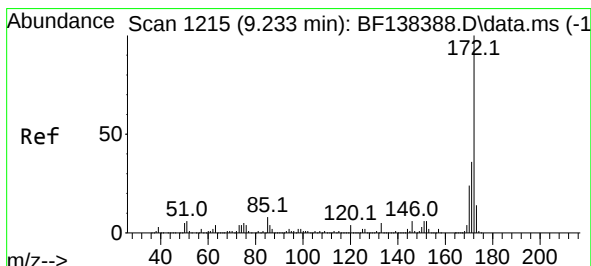
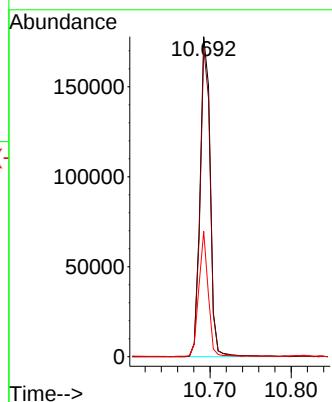
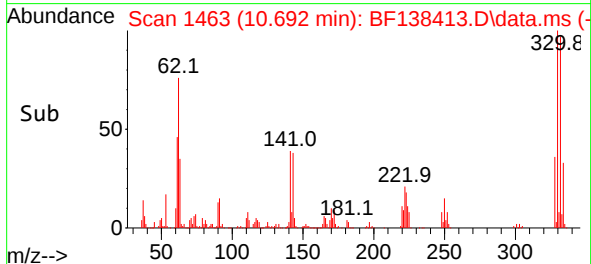
Instrument :
BNA_F
ClientSampleId :
1-N-1



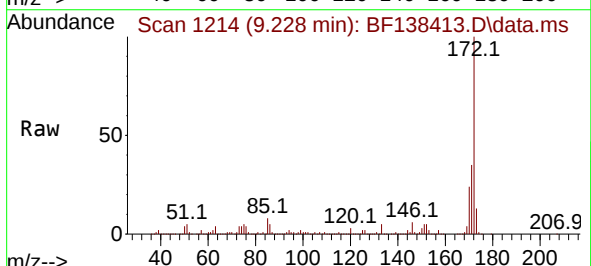
Tgt Ion:330 Resp: 15592
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 36.4 28.1 42.1

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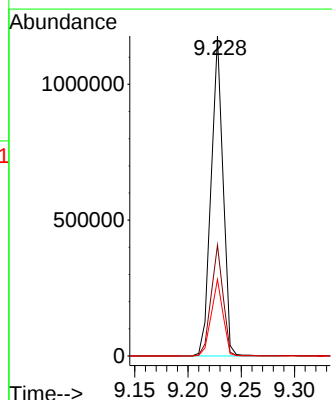
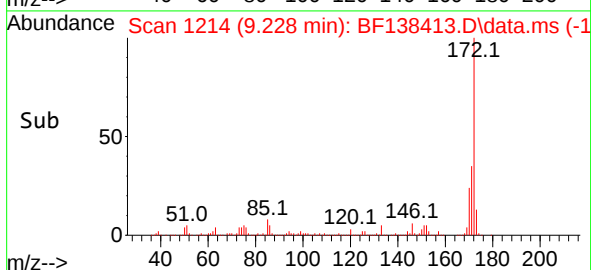
Reviewed By :Jagrut Upadhyay 07/02/2024
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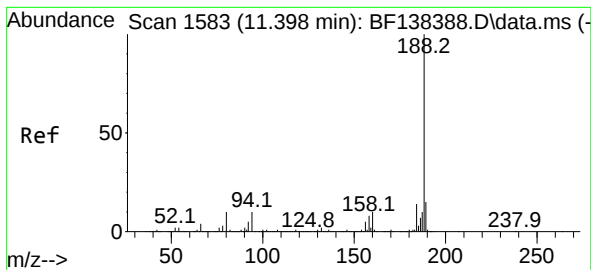


#45
2-Fluorobiphenyl
Concen: 49.178 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04



Tgt Ion:172 Resp: 923312
Ion Ratio Lower Upper
172 100
171 34.7 29.0 43.4
170 23.9 19.0 28.6





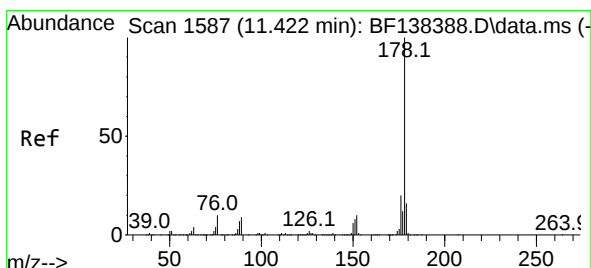
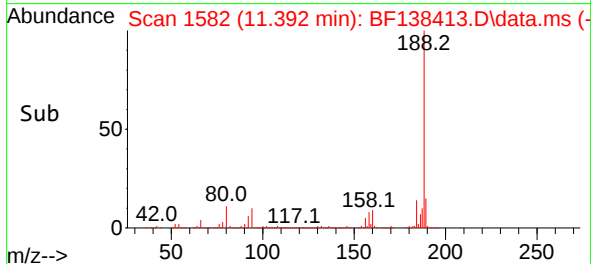
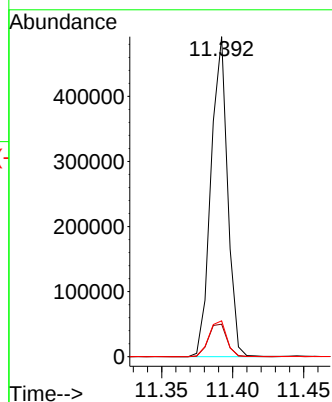
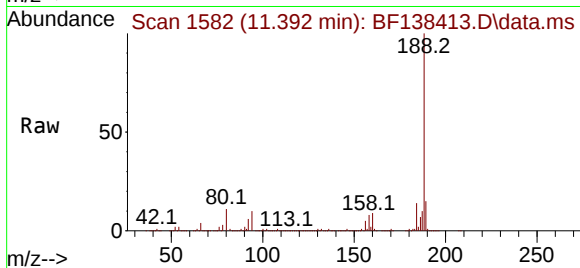
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Instrument :
BNA_F
ClientSampleId :
1-N-1

Tgt Ion:188 Resp: 39921
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 11.2 8.2 12.4

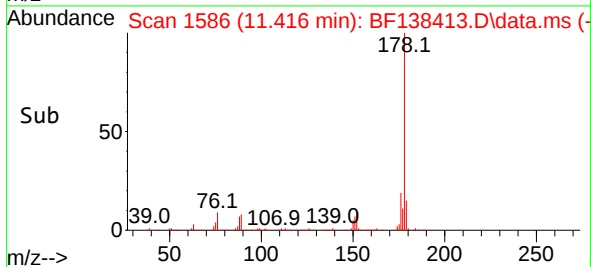
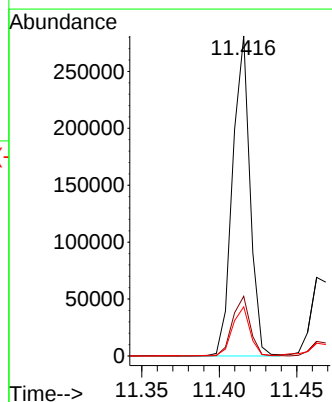
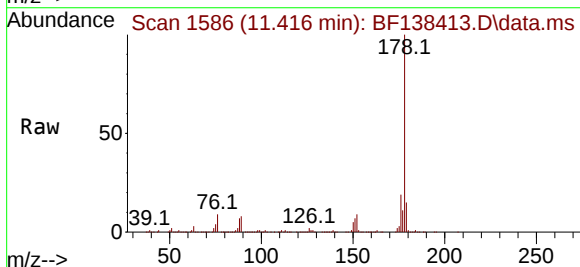
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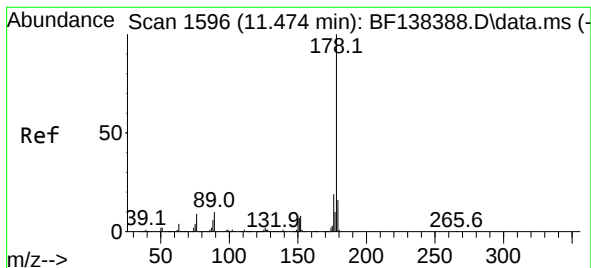
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#71
Phenanthrene
Concen: 11.291 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:178 Resp: 220077
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 15.4 12.6 18.8





#72

Anthracene

Concen: 3.091 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

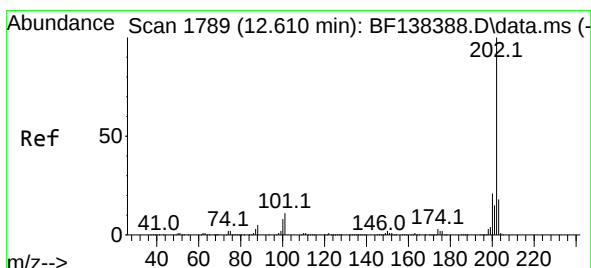
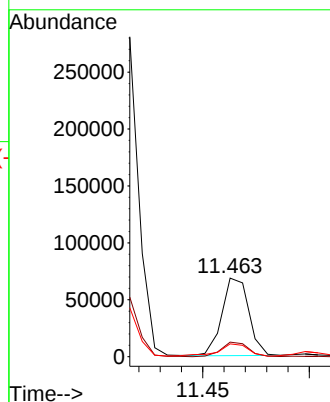
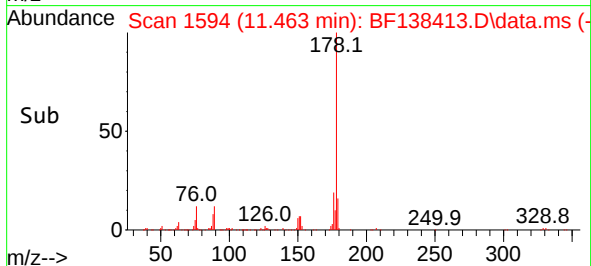
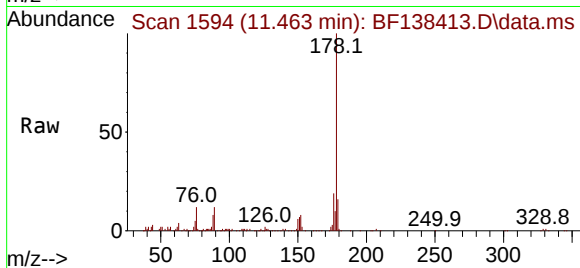
1-N-1

Tgt Ion:178 Resp: 60085
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 16.4 12.7 19.1

Manual Integrations

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#75

Fluoranthene

Concen: 21.225 ng

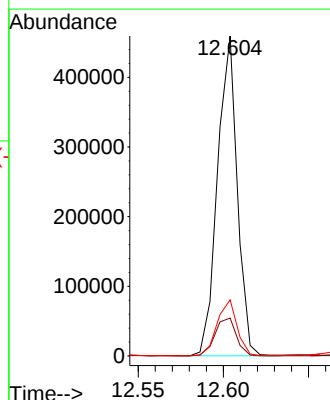
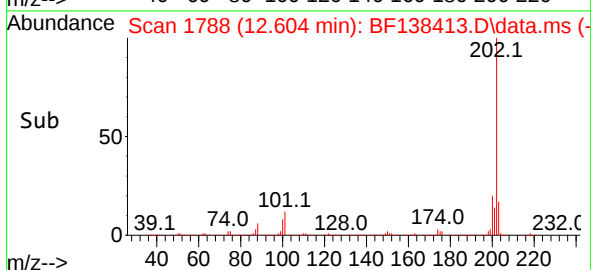
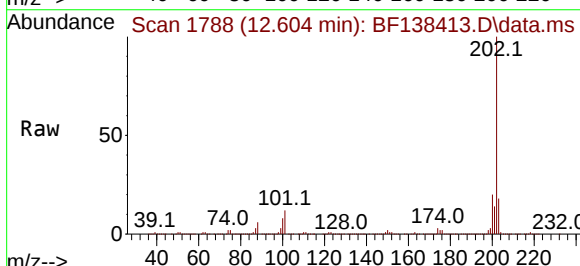
RT: 12.604 min Scan# 1788

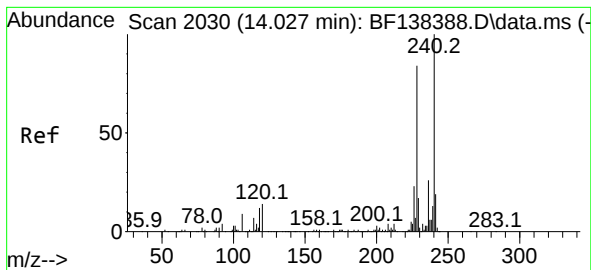
Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Tgt Ion:202 Resp: 370888
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 30.5
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

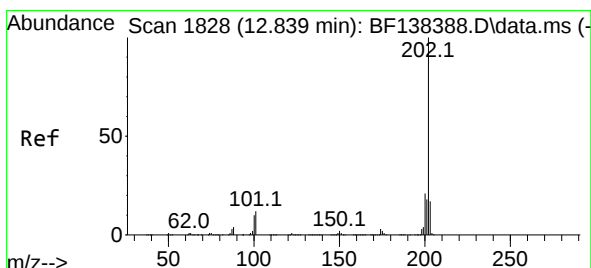
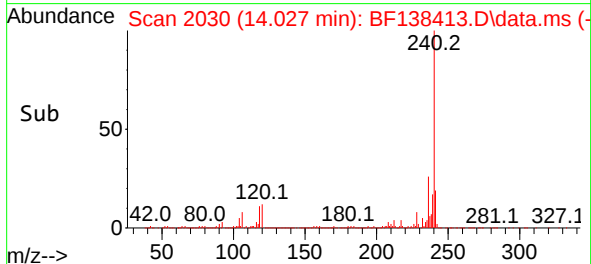
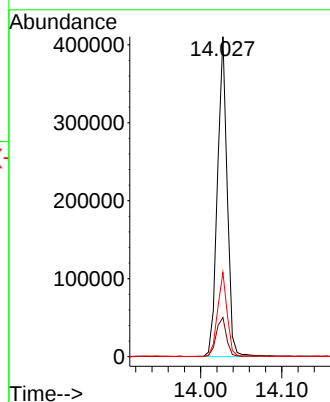
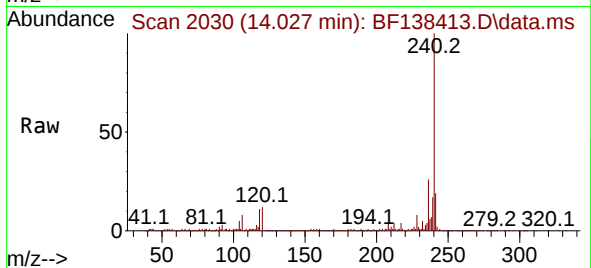
Tgt Ion:240 Resp: 340760

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.9	16.3
236	26.4	20.6	30.8

Manual Integrations

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#78

Pyrene

Concen: 9.160 ng

RT: 12.833 min Scan# 1827

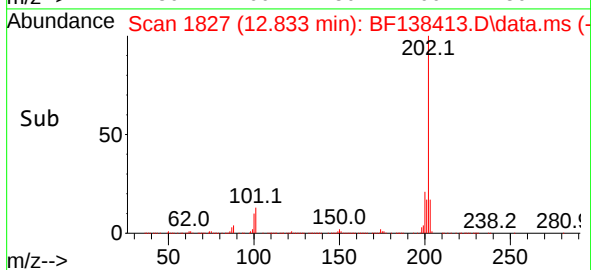
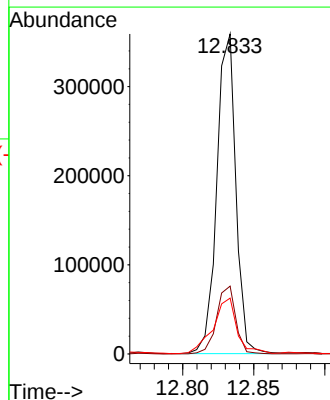
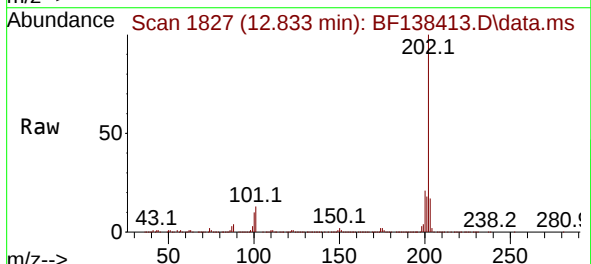
Delta R.T. -0.006 min

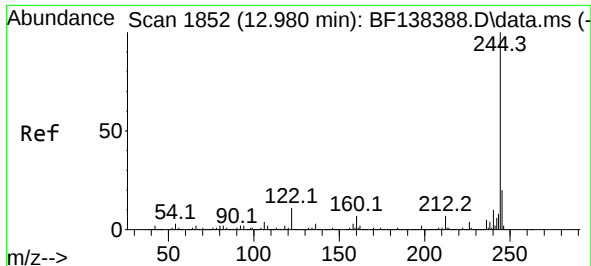
Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Tgt Ion:202 Resp: 333628

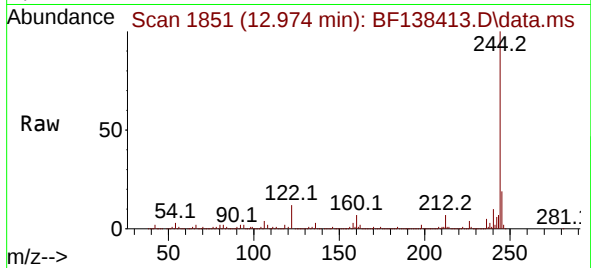
Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	17.4	13.8	20.8





#79
 Terphenyl-d14
 Concen: 30.761 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138413.D
 Acq: 01 Jul 2024 20:04

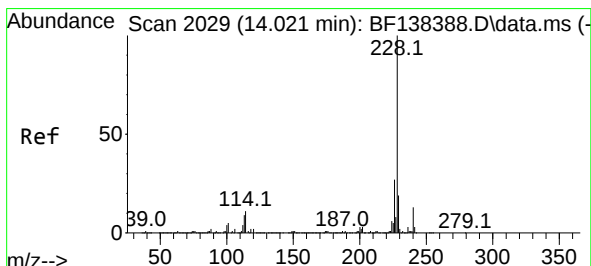
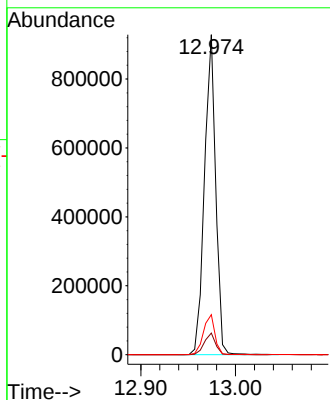
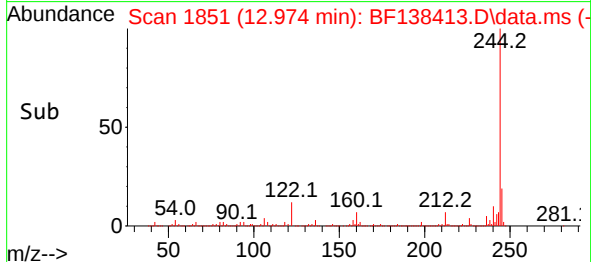
Instrument :
 BNA_F
 ClientSampleId :
 1-N-1



Tgt Ion:244 Resp: 764900
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 12.5 9.0 13.4

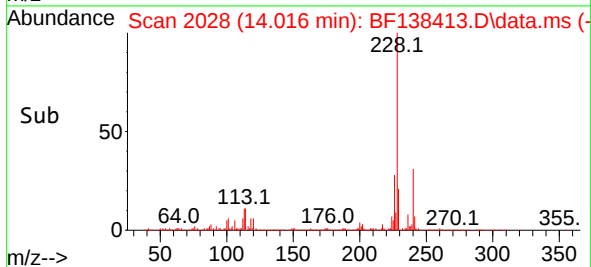
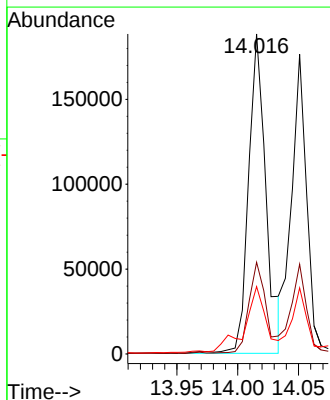
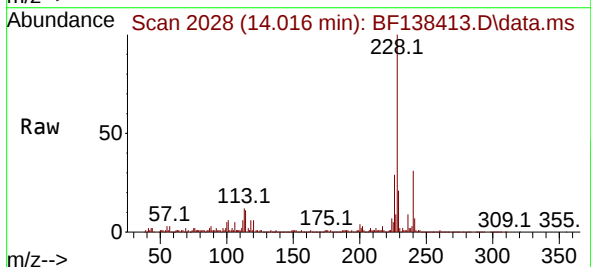
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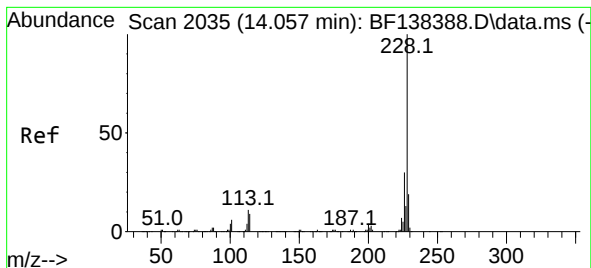
Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024



#81
 Benzo(a)anthracene
 Concen: 8.524 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF138413.D
 Acq: 01 Jul 2024 20:04

Tgt Ion:228 Resp: 186968
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.7 32.5
 229 21.0 15.5 23.3





#83

Chrysene

Concen: 7.232 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

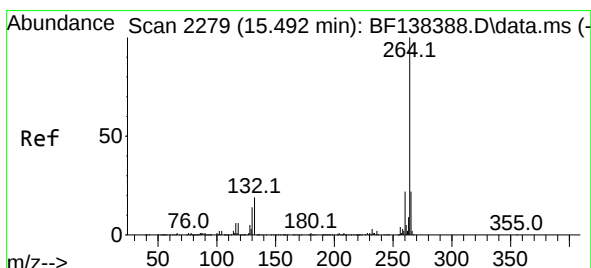
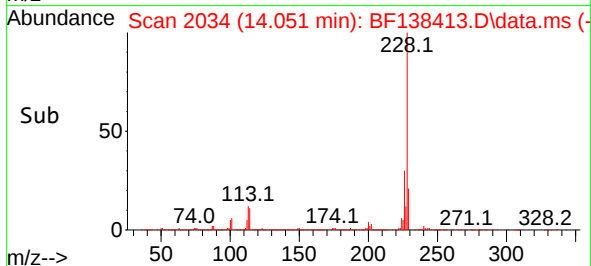
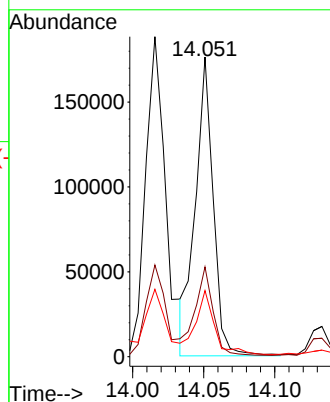
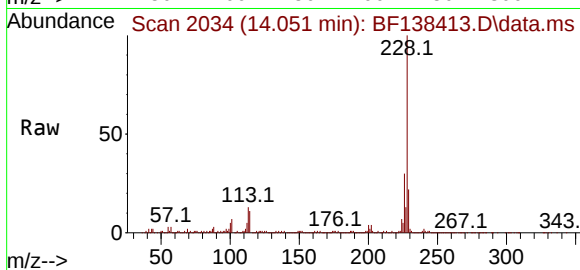
Tgt Ion:228 Resp: 154340

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	22.0	15.2	22.8

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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

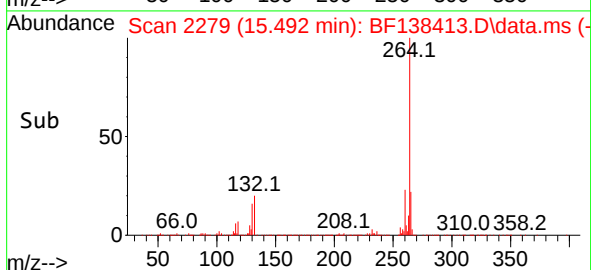
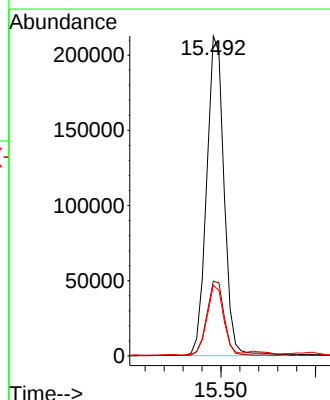
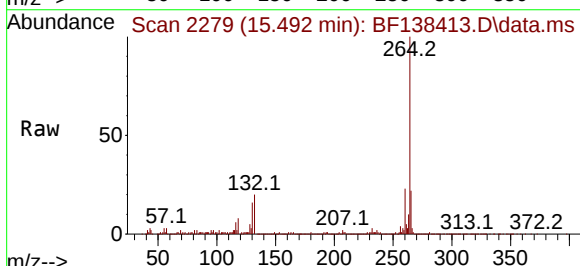
Delta R.T. 0.000 min

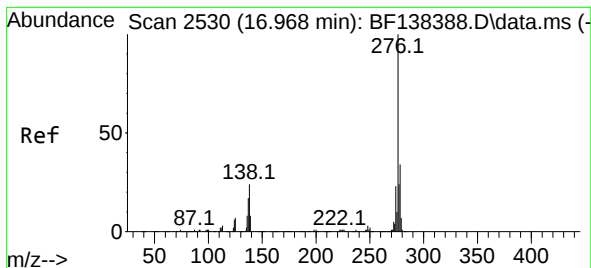
Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Tgt Ion:264 Resp: 270439

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.8	26.6
265	22.0	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.547 ng

RT: 16.957 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

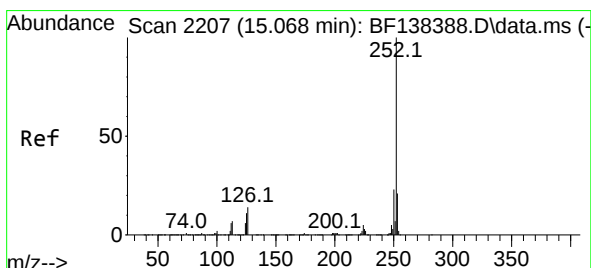
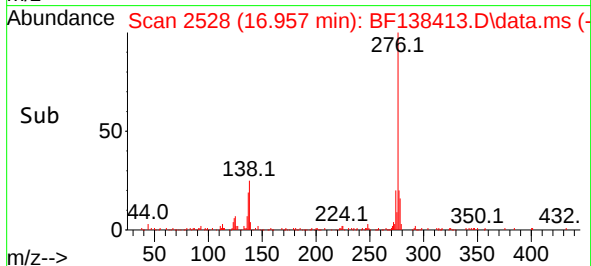
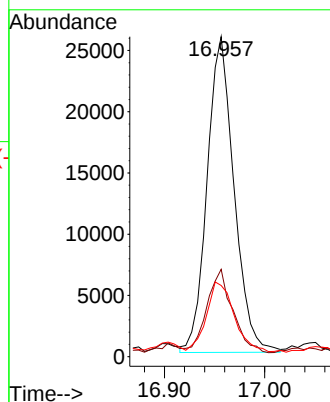
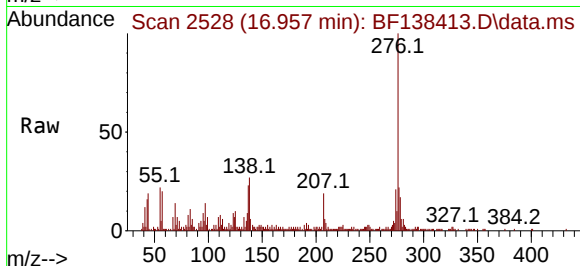
1-N-1

Tgt Ion:	276	Resp:	4819
Ion Ratio	Lower	Upper	
276	100		
138	25.4	22.1	33.1
277	22.4	20.4	30.6

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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#88

Benzo(b)fluoranthene

Concen: 9.625 ng m

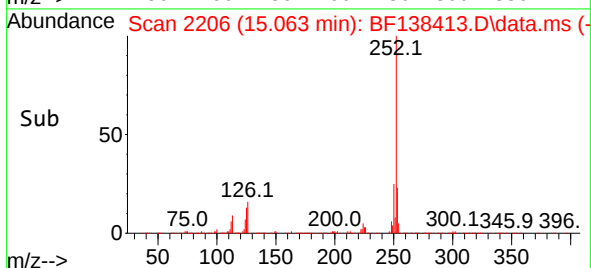
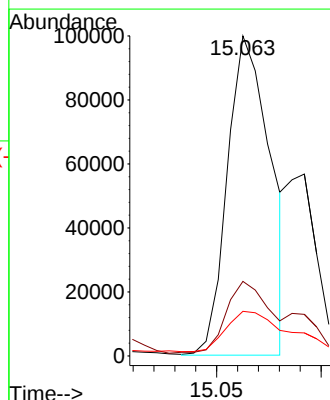
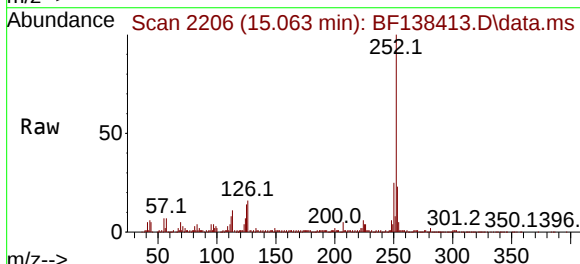
RT: 15.063 min Scan# 2206

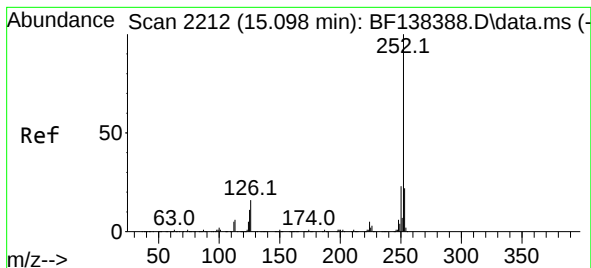
Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Tgt Ion:	252	Resp:	142820
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.4
125	13.9	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 4.051 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

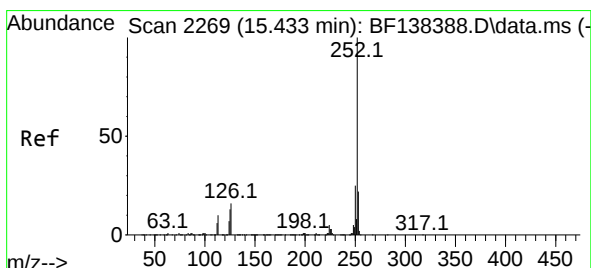
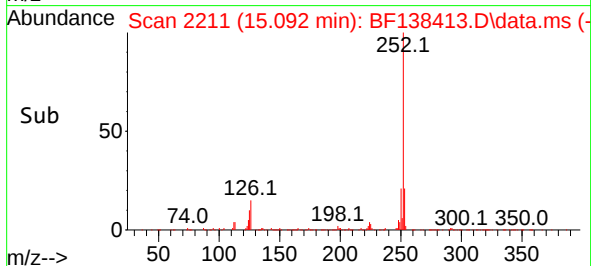
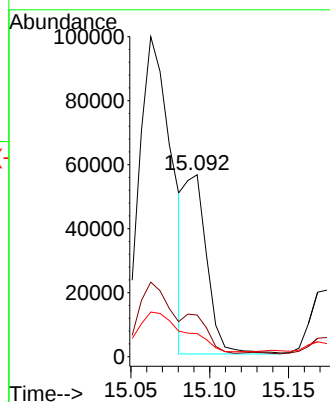
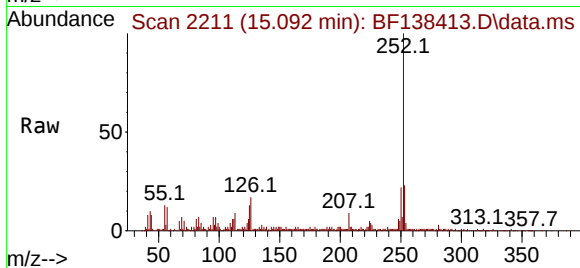
1-N-1

Tgt Ion:	252	Resp:	55364
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	12.6	8.7	13.1

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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#90

Benzo(a)pyrene

Concen: 7.377 ng

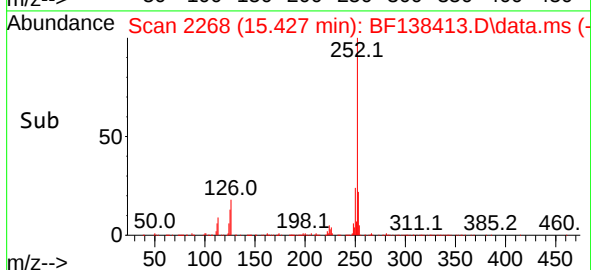
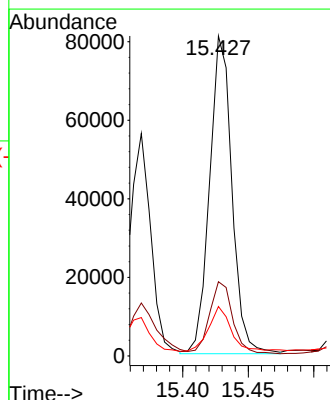
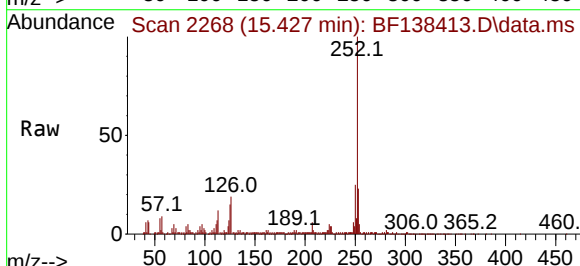
RT: 15.427 min Scan# 2268

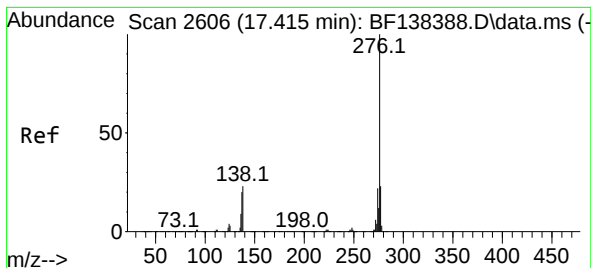
Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

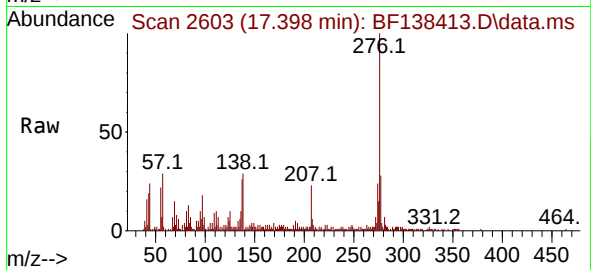
Tgt Ion:	252	Resp:	95944
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	15.4	10.2	15.2#





#92
 Benzo(g,h,i)perylene
 Concen: 4.100 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF138413.D
 Acq: 01 Jul 2024 20:04

Instrument :
 BNA_F
 ClientSampleId :
 1-N-1



Tgt Ion:	276	Resp:	4399
Ion Ratio	Lower	Upper	
276	100		
277	28.1	18.3	27.5
138	28.9	18.3	27.5

Manual Integrations
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Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024

