

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139968.D
 Acq On : 23 Oct 2024 17:01
 Operator : RC/JU
 Sample : P4443-06DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 17:27:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	153196	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	564160	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	291321	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	448826	20.000	ng	0.00
76) Chrysene-d12	14.051	240	321776	20.000	ng	0.00
86) Perylene-d12	15.527	264	388344	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	66780	6.824	ng	0.00
7) Phenol-d6	6.498	99	105849	8.352	ng	-0.01
23) Nitrobenzene-d5	7.439	82	61316	6.024	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	24115	8.850	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	144730	8.211	ng	-0.01
79) Terphenyl-d14	12.992	244	119979	6.076	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	487495	22.994	ng	99
72) Anthracene	11.486	178	87338	4.222	ng	99
75) Fluoranthene	12.621	202	540777	25.232	ng	100
78) Pyrene	12.851	202	539800	19.165	ng	98
81) Benzo(a)anthracene	14.039	228	288670	13.781	ng	98
83) Chrysene	14.074	228	264214	13.757	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	98601	3.947	ng	94
88) Benzo(b)fluoranthene	15.098	252	295564m	12.494	ng	
89) Benzo(k)fluoranthene	15.110	252	115192m	5.646	ng	
90) Benzo(a)pyrene	15.462	252	215170	11.054	ng	99
92) Benzo(g,h,i)perylene	17.462	276	84961	4.081	ng	100

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

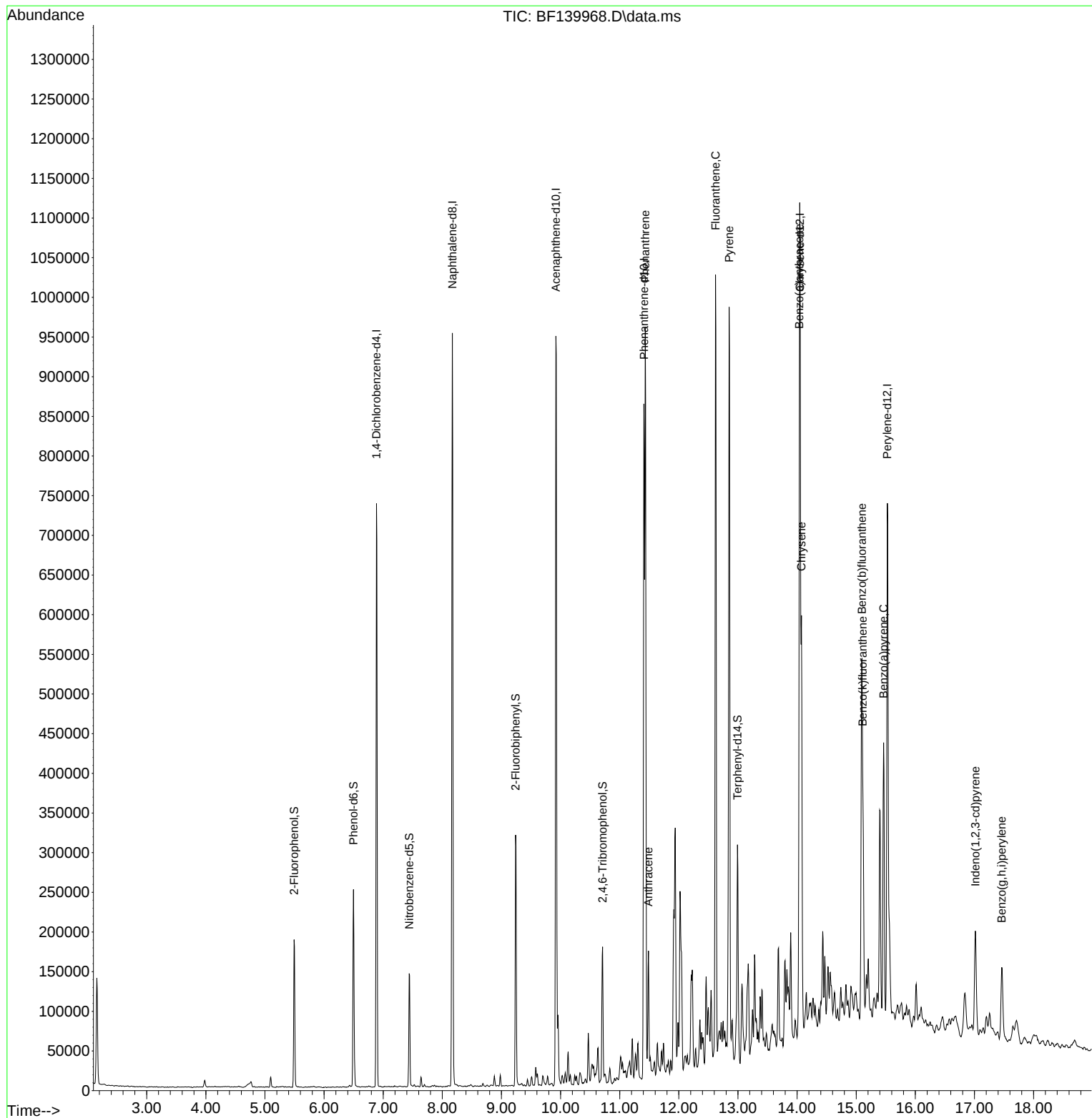
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139968.D
Acq On : 23 Oct 2024 17:01
Operator : RC/JU
Sample : P4443-06DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

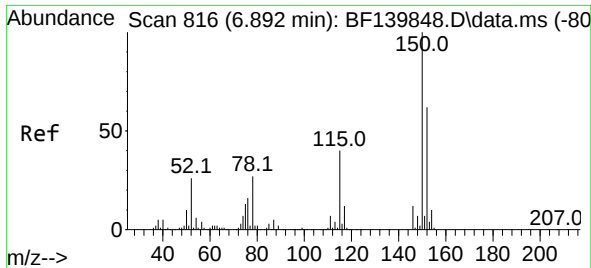
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL

Quant Time: Oct 23 17:27:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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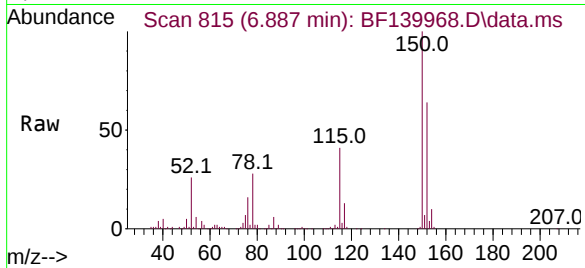
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

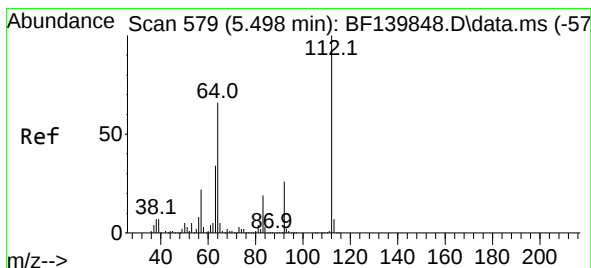
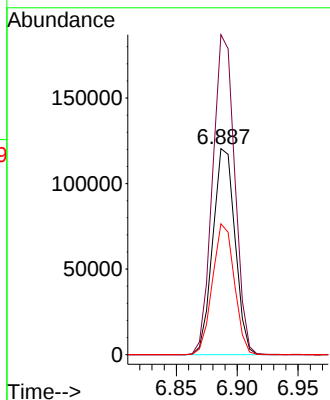
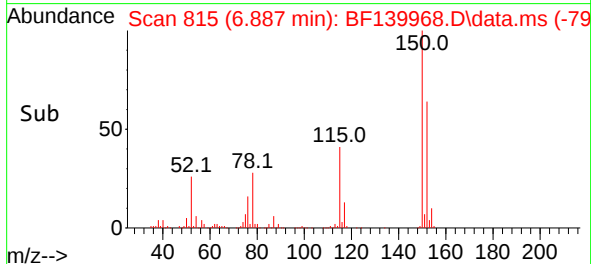
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL



Tgt Ion:152 Resp: 153190
Ion Ratio Lower Upper
152 100
150 155.3 130.2 195.2
115 63.5 51.4 77.2

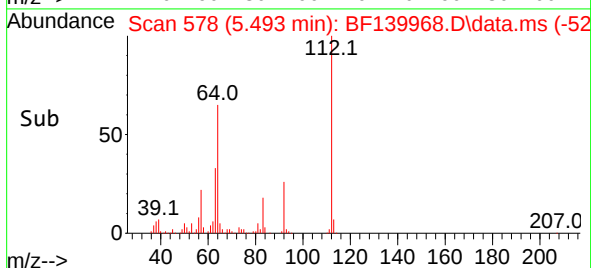
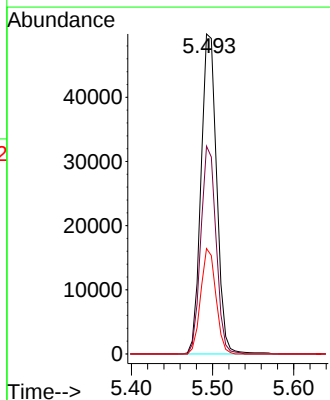
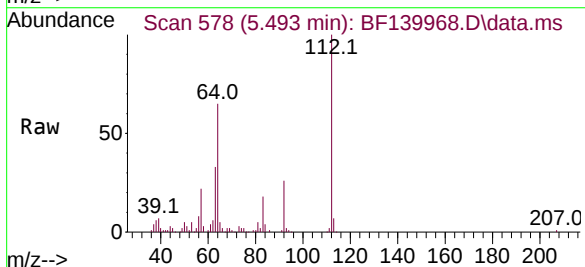
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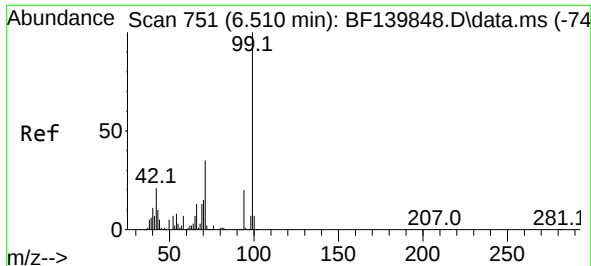
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#5
2-Fluorophenol
Concen: 6.824 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

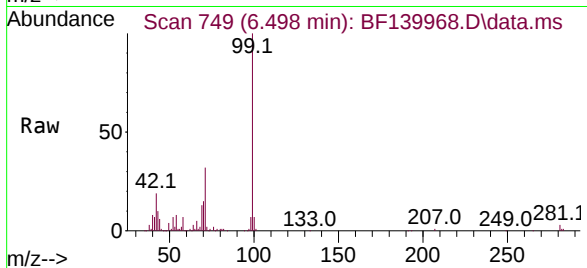
Tgt Ion:112 Resp: 66780
Ion Ratio Lower Upper
112 100
64 65.0 53.0 79.6
63 32.9 27.0 40.4





#7
Phenol-d6
Concen: 8.352 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

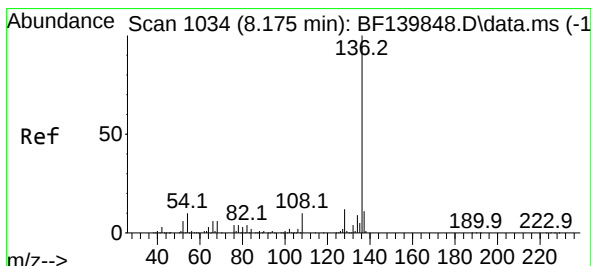
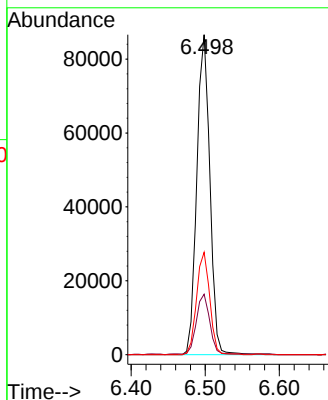
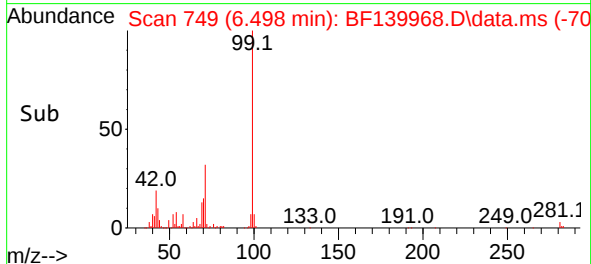
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL



Tgt Ion: 99 Resp: 105849
Ion Ratio Lower Upper
99 100
42 18.9 16.7 25.1
71 32.0 27.7 41.5

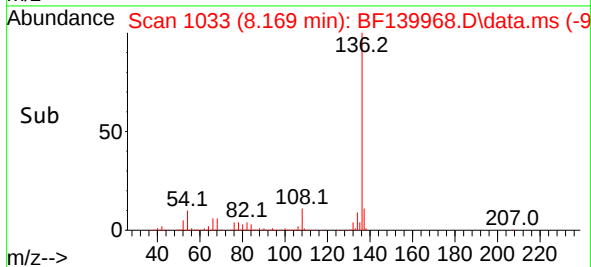
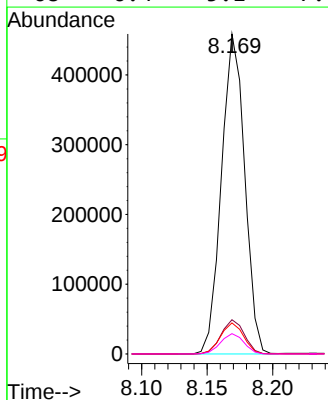
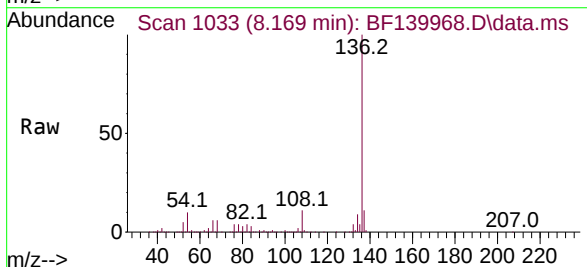
Manual Integrations
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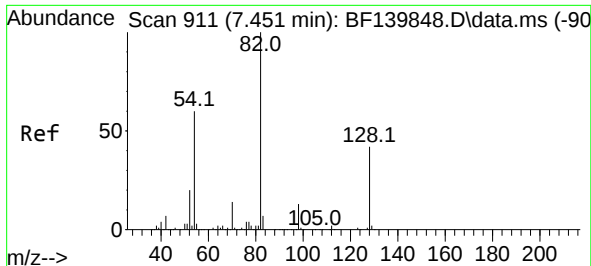
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

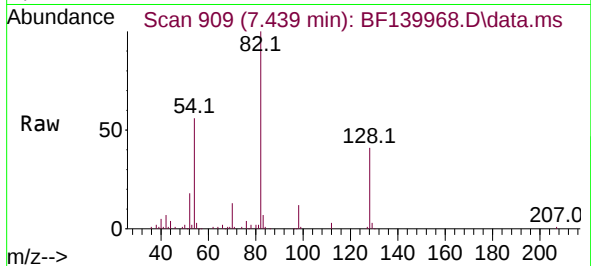
Tgt Ion:136 Resp: 564160
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 8.4 12.6
68 6.4 5.1 7.7





#23
Nitrobenzene-d5
Concen: 6.024 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

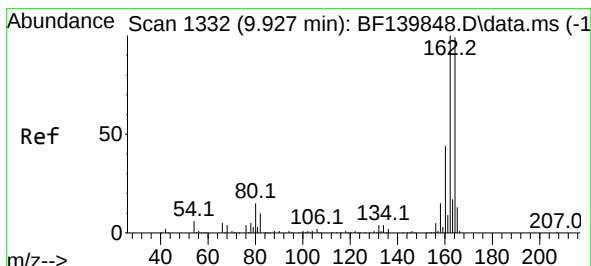
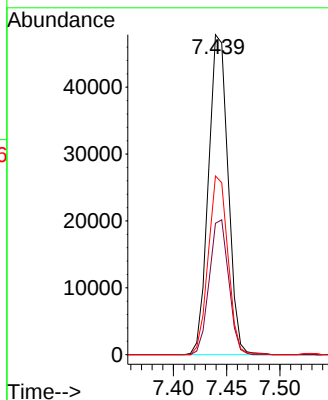
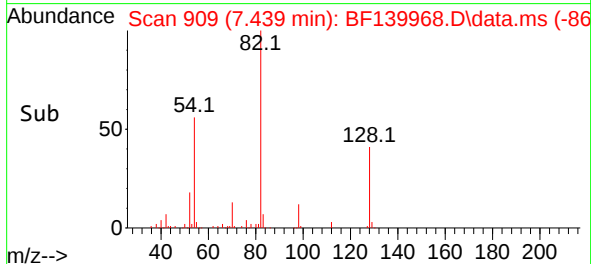
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL



Tgt Ion: 82 Resp: 61310
Ion Ratio Lower Upper
82 100
128 41.1 33.4 50.0
54 55.9 47.8 71.8

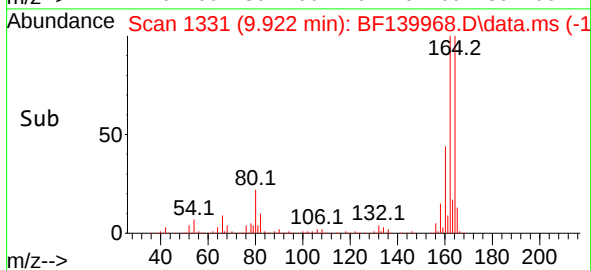
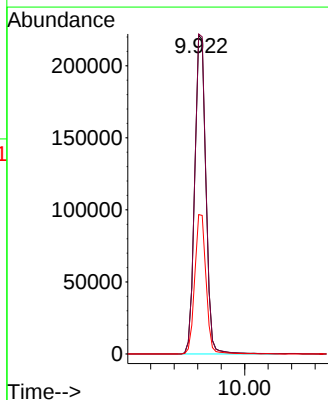
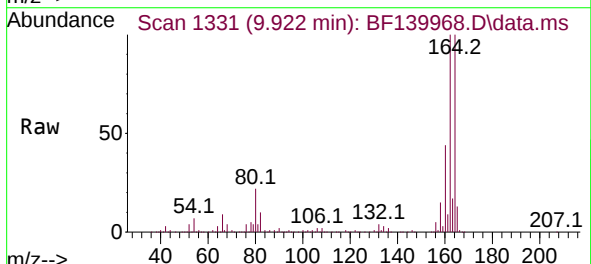
Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

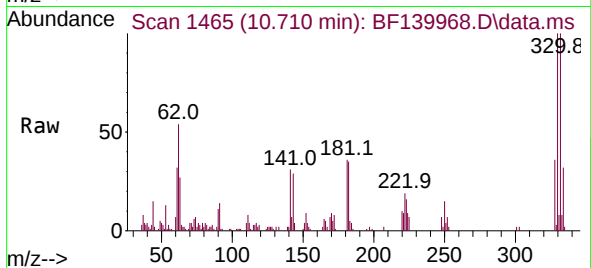
Tgt Ion:164 Resp: 291321
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 43.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 8.850 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

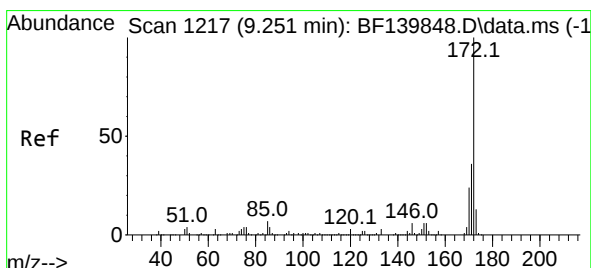
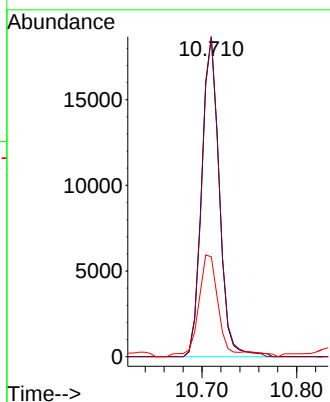
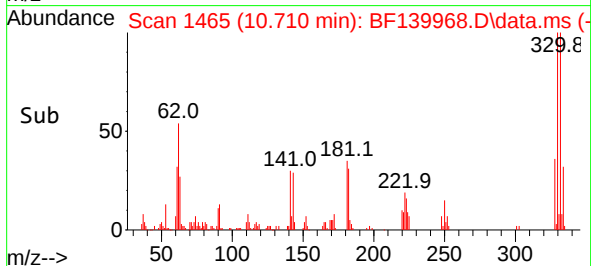
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL



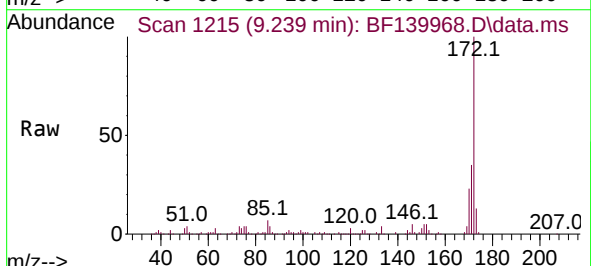
Tgt Ion: 330 Resp: 2411
Ion Ratio Lower Upper
330 100
332 99.4 78.1 117.1
141 34.9 26.6 39.8

Manual Integrations
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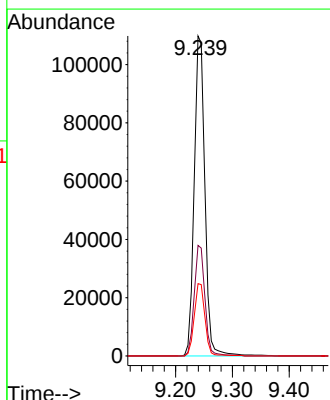
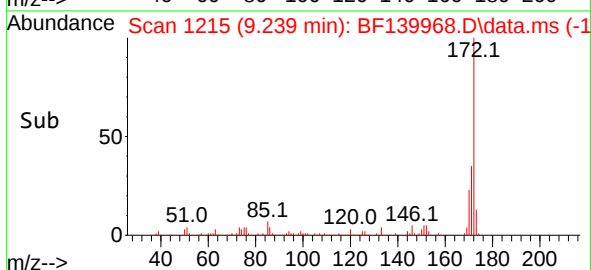
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

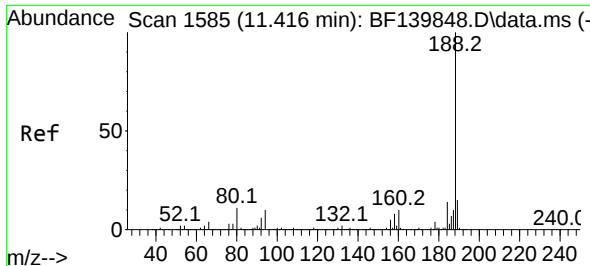


#45
2-Fluorobiphenyl
Concen: 8.211 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01



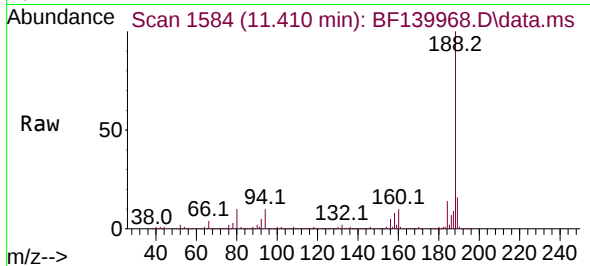
Tgt Ion: 172 Resp: 144730
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.6 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

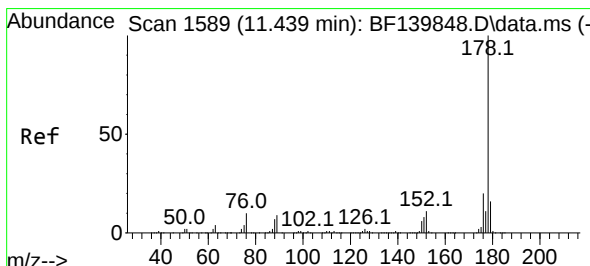
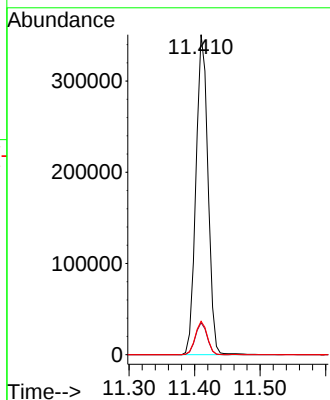
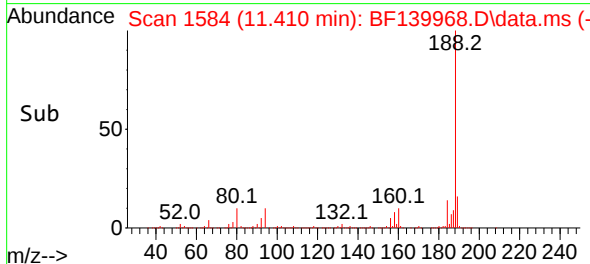
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL



Tgt Ion:188 Resp: 448820
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 10.5 9.0 13.4

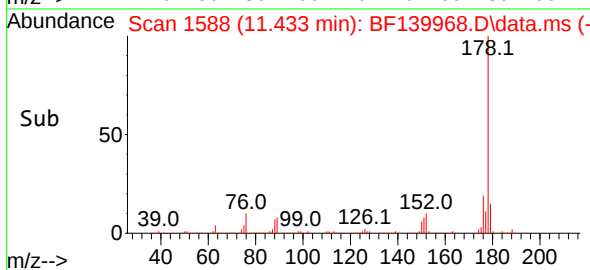
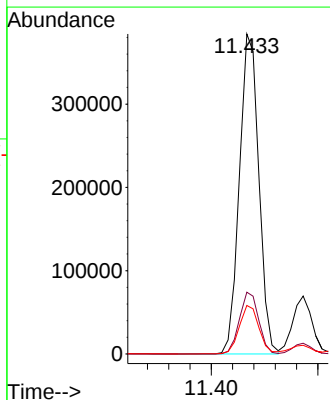
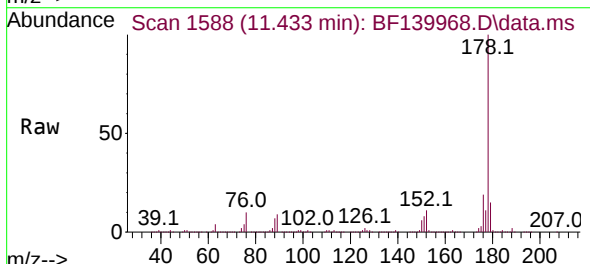
Manual Integrations
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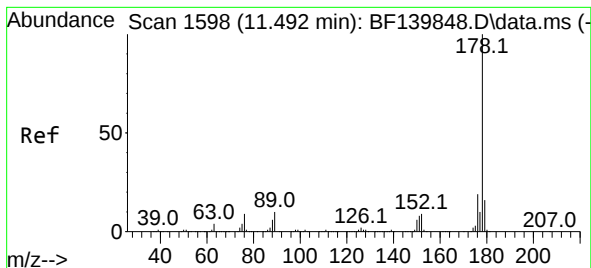
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#71
Phenanthrene
Concen: 22.994 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:178 Resp: 487495
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.1 12.6 18.8





#72

Anthracene

Concen: 4.222 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139968.D

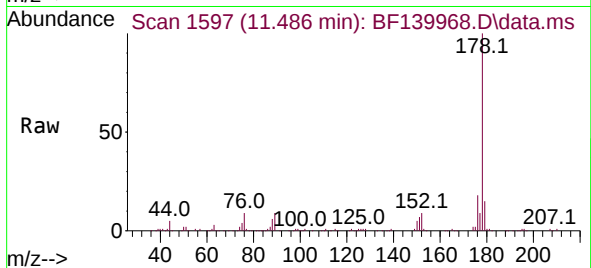
Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30DL



Tgt Ion:178 Resp: 87338

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

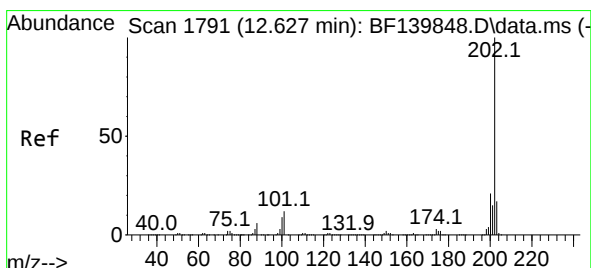
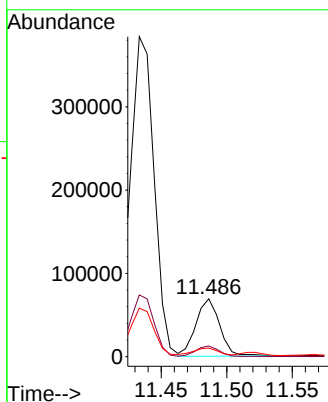
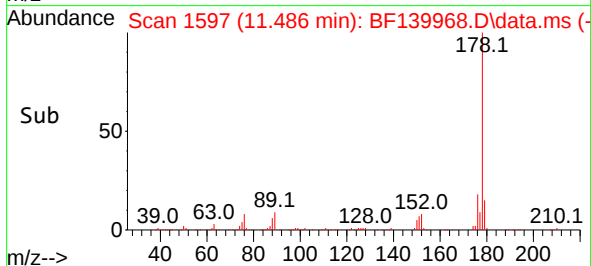
179 14.9 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#75

Fluoranthene

Concen: 25.232 ng

RT: 12.621 min Scan# 1790

Delta R.T. -0.006 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

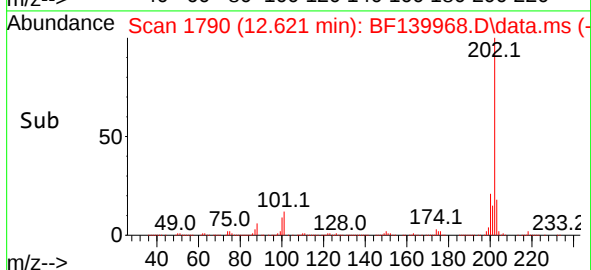
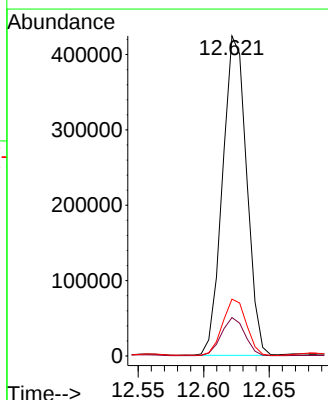
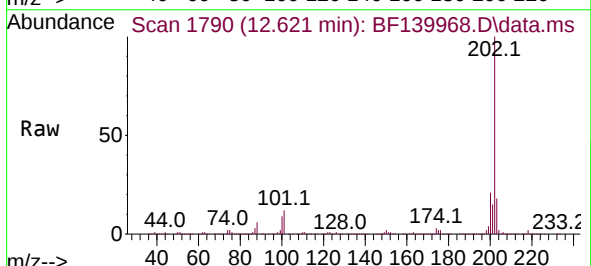
Tgt Ion:202 Resp: 540777

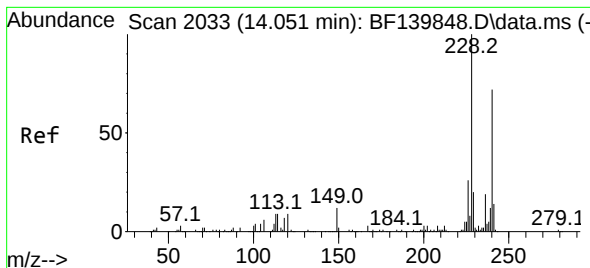
Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.9

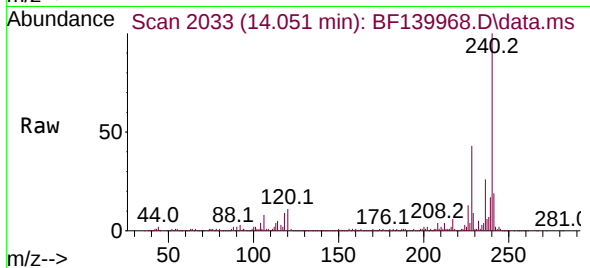
203 17.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

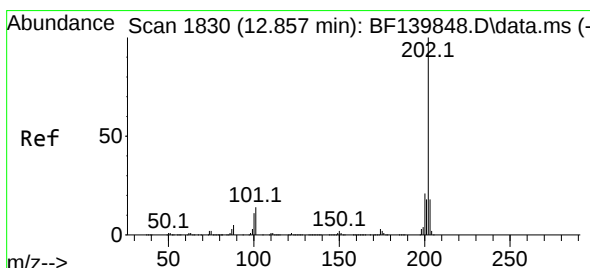
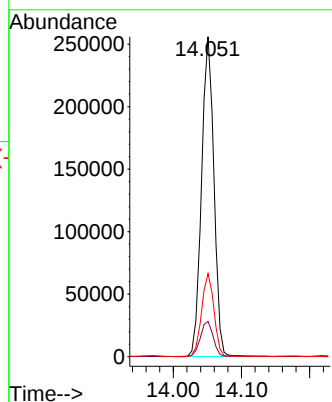
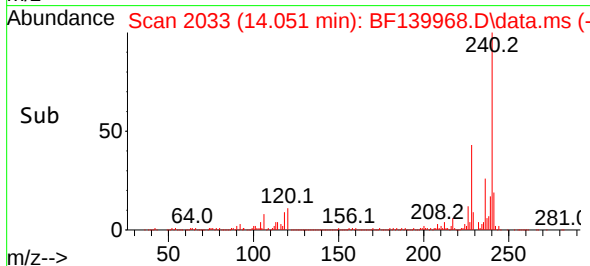
Instrument :
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ClientSampleId :
OG-315-HR-502-COMP-30DL



Tgt Ion:240 Resp: 321770
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.0 20.9 31.3

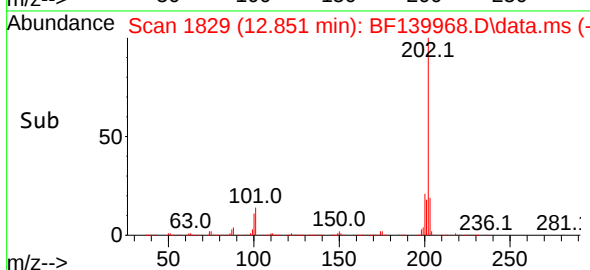
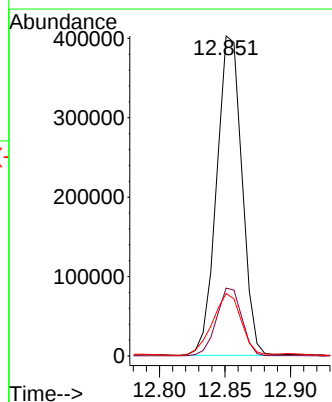
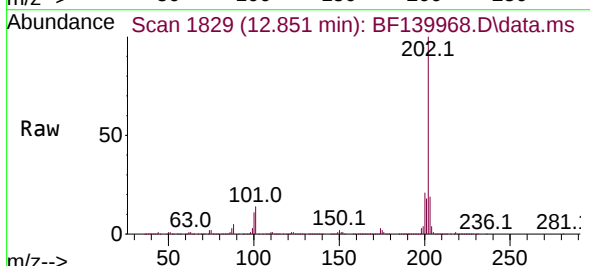
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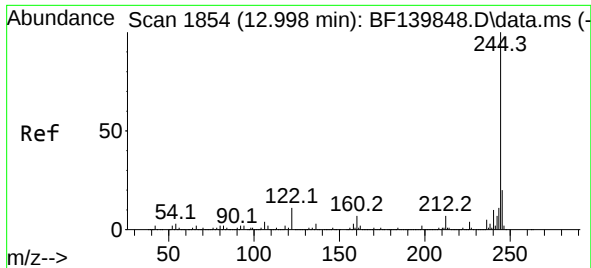
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#78
Pyrene
Concen: 19.165 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

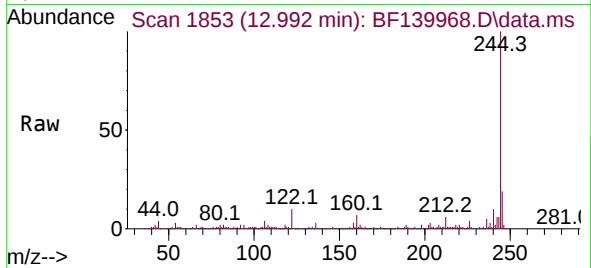
Tgt Ion:202 Resp: 539800
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 19.5 14.2 21.4





#79
 Terphenyl-d14
 Concen: 6.076 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF139968.D
 Acq: 23 Oct 2024 17:01

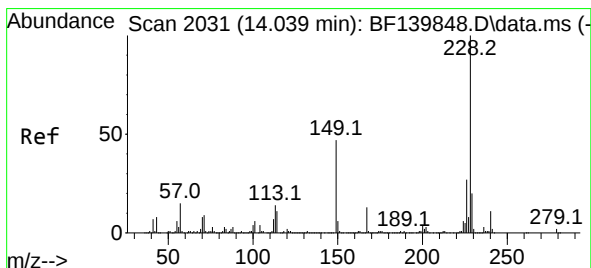
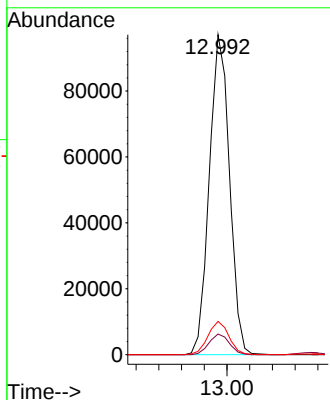
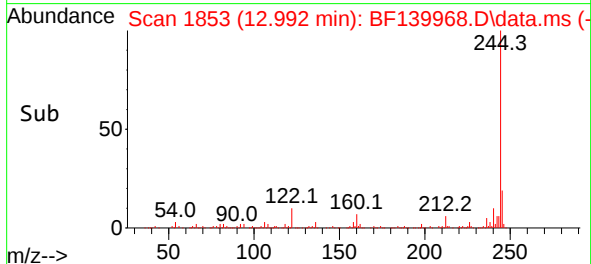
Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30DL



Tgt Ion:244 Resp: 119979
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 10.4 8.6 13.0

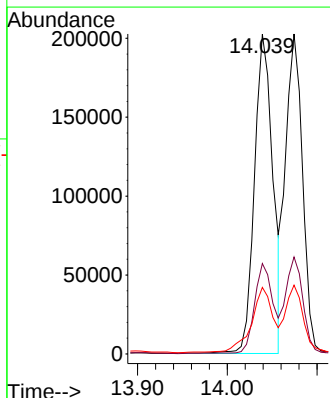
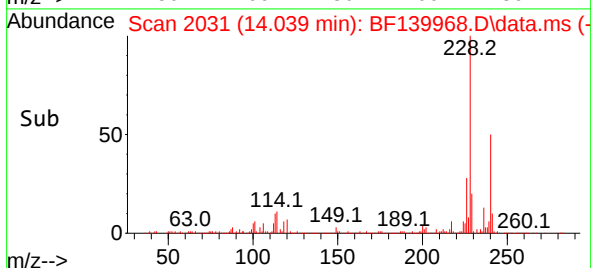
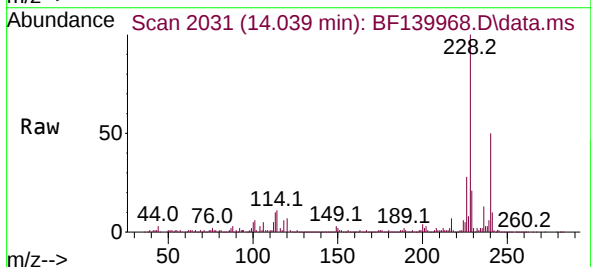
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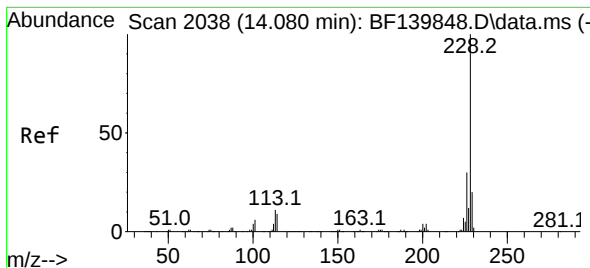
Reviewed By :Yogesh Patel 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024



#81
 Benzo(a)anthracene
 Concen: 13.781 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF139968.D
 Acq: 23 Oct 2024 17:01

Tgt Ion:228 Resp: 288670
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.6 32.4
 229 20.8 16.1 24.1





#83

Chrysene

Concen: 13.757 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139968.D

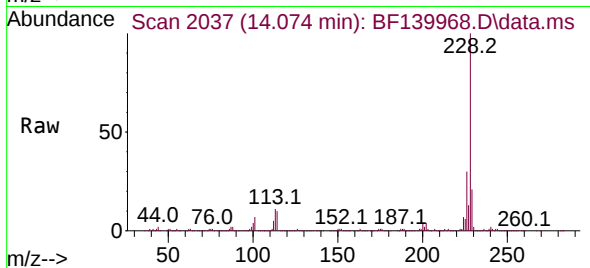
Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30DL



Tgt Ion:228 Resp: 264214

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

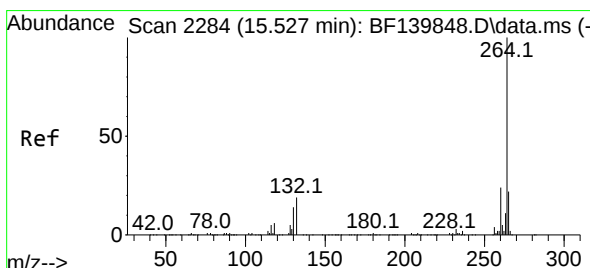
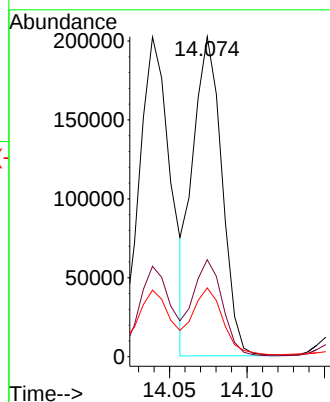
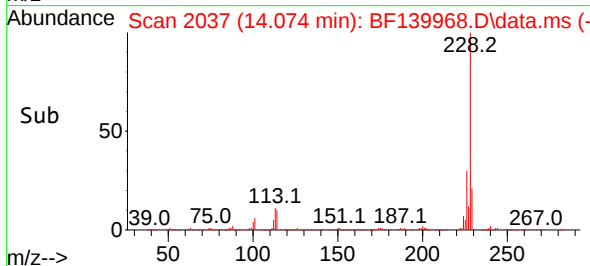
229 21.5 15.8 23.6

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Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

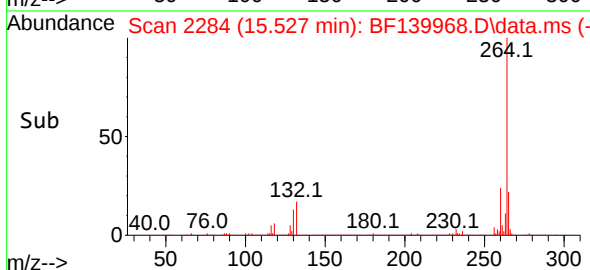
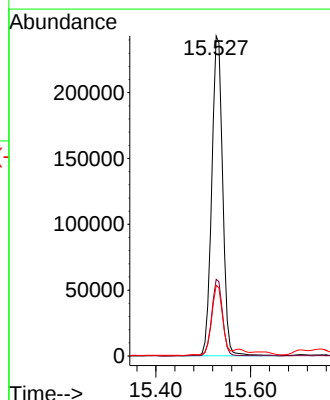
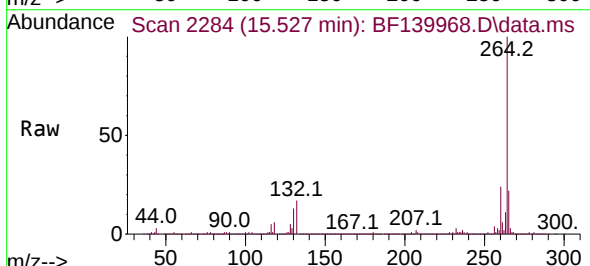
Tgt Ion:264 Resp: 388344

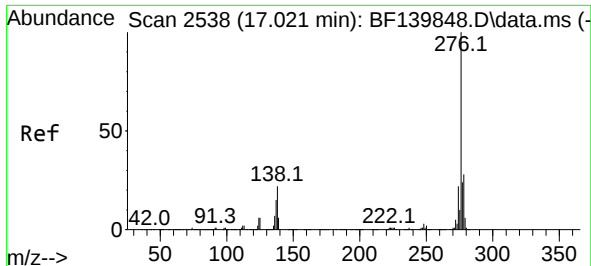
Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

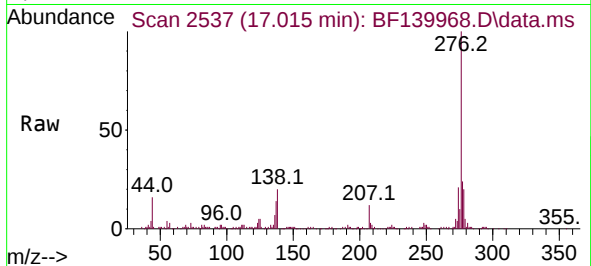
265 22.0 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.947 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

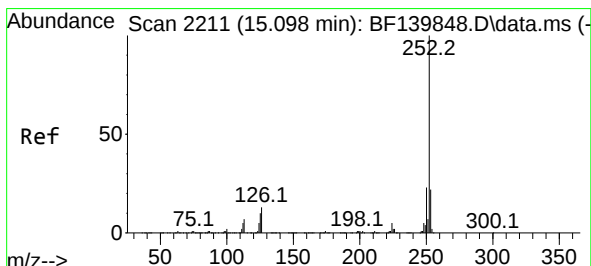
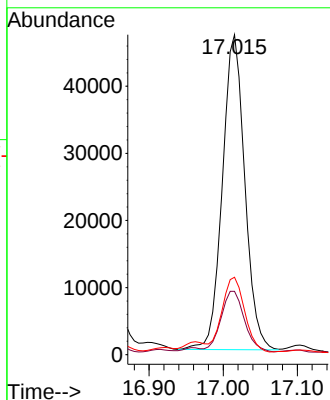
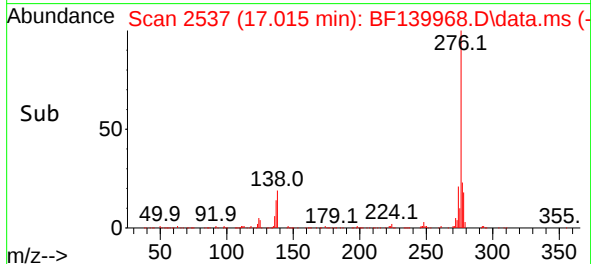
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30DL



Tgt Ion:276 Resp: 9860
Ion Ratio Lower Upper
276 100
138 20.6 20.4 30.6
277 23.8 20.2 30.4

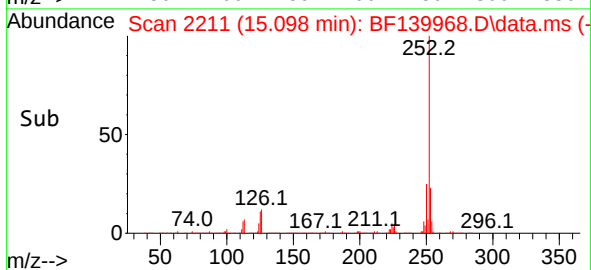
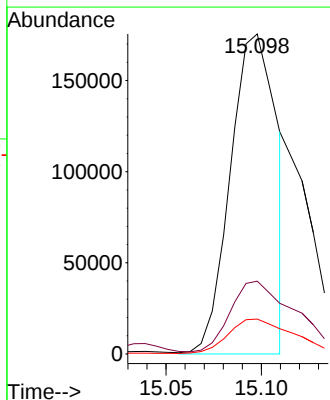
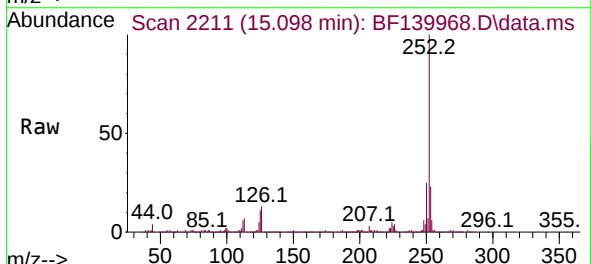
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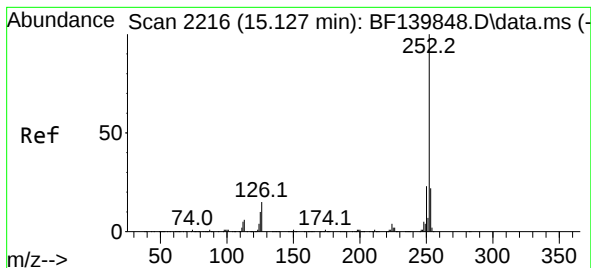
Reviewed By :Yogesh Patel 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



#88
Benzo(b)fluoranthene
Concen: 12.494 ng m
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF139968.D
Acq: 23 Oct 2024 17:01

Tgt Ion:252 Resp: 295564
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 10.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 5.646 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

Instrument :

BNA_F

ClientSampleId :

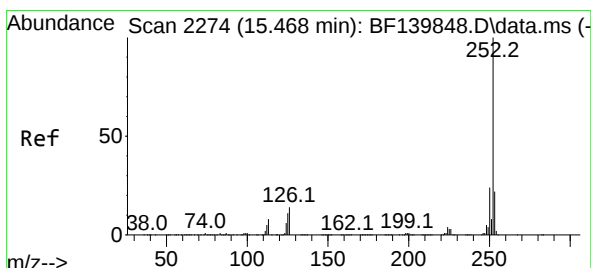
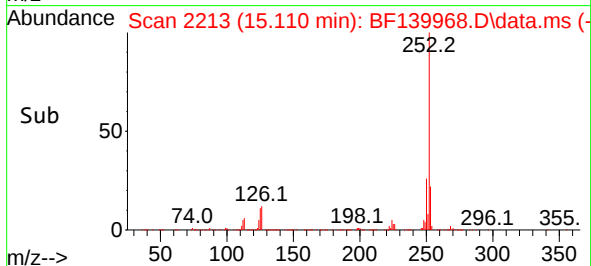
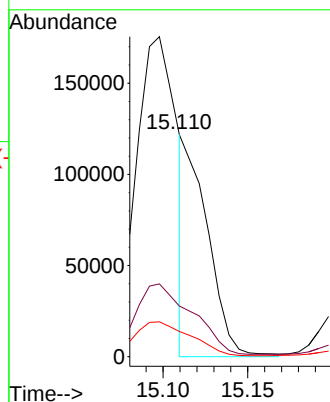
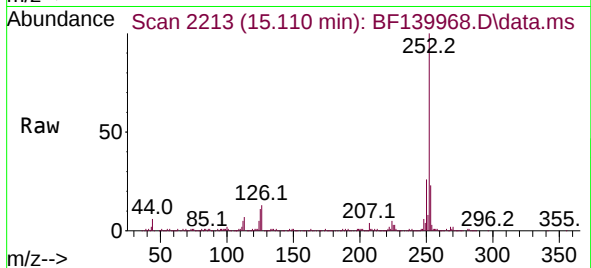
OG-315-HR-502-COMP-30DL

Tgt Ion:252 Resp: 115192
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.6 26.4
 125 11.4 7.9 11.9

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Reviewed By :Yogesh Patel 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024



#90

Benzo(a)pyrene

Concen: 11.054 ng

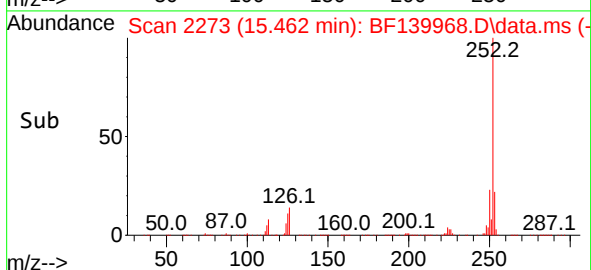
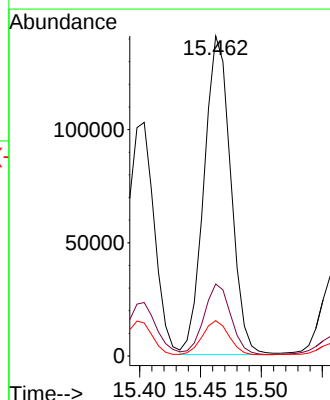
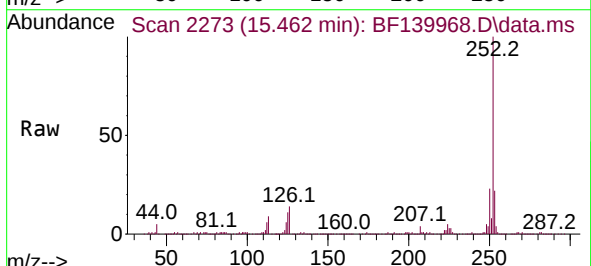
RT: 15.462 min Scan# 2273

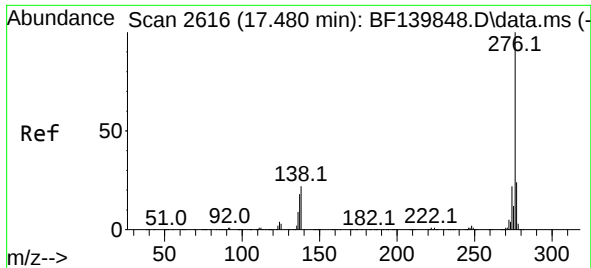
Delta R.T. -0.006 min

Lab File: BF139968.D

Acq: 23 Oct 2024 17:01

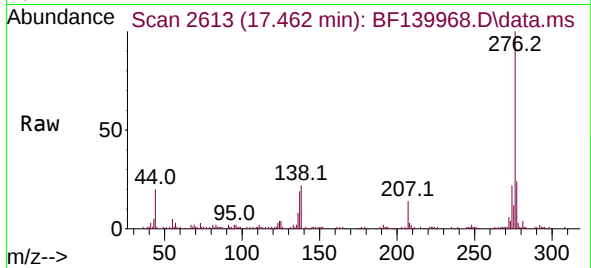
Tgt Ion:252 Resp: 215170
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.3 25.9
 125 11.0 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 4.081 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF139968.D
 Acq: 23 Oct 2024 17:01

Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30DL



Tgt Ion: 276 Resp: 8496
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.0 28.6
 138 21.7 17.4 26.0

Manual Integrations
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Reviewed By :Yogesh Patel 10/24/2024
 Supervised By :mohammad ahmed 10/25/2024

