

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139504.D
 Acq On : 20 Sep 2024 16:24
 Operator : RC/JU
 Sample : P4125-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-09192024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

Quant Time: Sep 20 16:53:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	69085	20.000	ng	0.00	
21) Naphthalene-d8	8.157	136	227798	20.000	ng	# 0.00	
39) Acenaphthene-d10	9.910	164	100633	20.000	ng	0.00	
64) Phenanthrene-d10	11.398	188	179805	20.000	ng	0.00	
76) Chrysene-d12	14.039	240	97718	20.000	ng	0.00	
86) Perylene-d12	15.509	264	79171	20.000	ng	0.01	
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	30030	7.091	ng	0.00	
7) Phenol-d6	6.504	99	37898	6.818	ng	0.00	
23) Nitrobenzene-d5	7.434	82	24494	5.055	ng	-0.01	
42) 2,4,6-Tribromophenol	10.698	330	6233	5.818	ng	0.00	
45) 2-Fluorobiphenyl	9.228	172	41527	5.788	ng	0.00	
79) Terphenyl-d14	12.980	244	39495	6.634	ng	0.00	
Target Compounds							
71) Phenanthrene	11.422	178	141909	16.359	ng		Qvalue 99
72) Anthracene	11.474	178	38132	4.496	ng		99
75) Fluoranthene	12.610	202	246694	26.629	ng		98
78) Pyrene	12.839	202	203204	24.219	ng		98
81) Benzo(a)anthracene	14.027	228	83941	12.968	ng		96
83) Chrysene	14.063	228	61963m	10.405	ng		
87) Indeno(1,2,3-cd)pyrene	16.980	276	20559	4.367	ng		98
88) Benzo(b)fluoranthene	15.080	252	61390m	12.573	ng		
89) Benzo(k)fluoranthene	15.092	252	28625m	6.358	ng		
90) Benzo(a)pyrene	15.445	252	46556	11.497	ng	#	94
92) Benzo(g,h,i)perylene	17.427	276	19458	5.052	ng	#	91

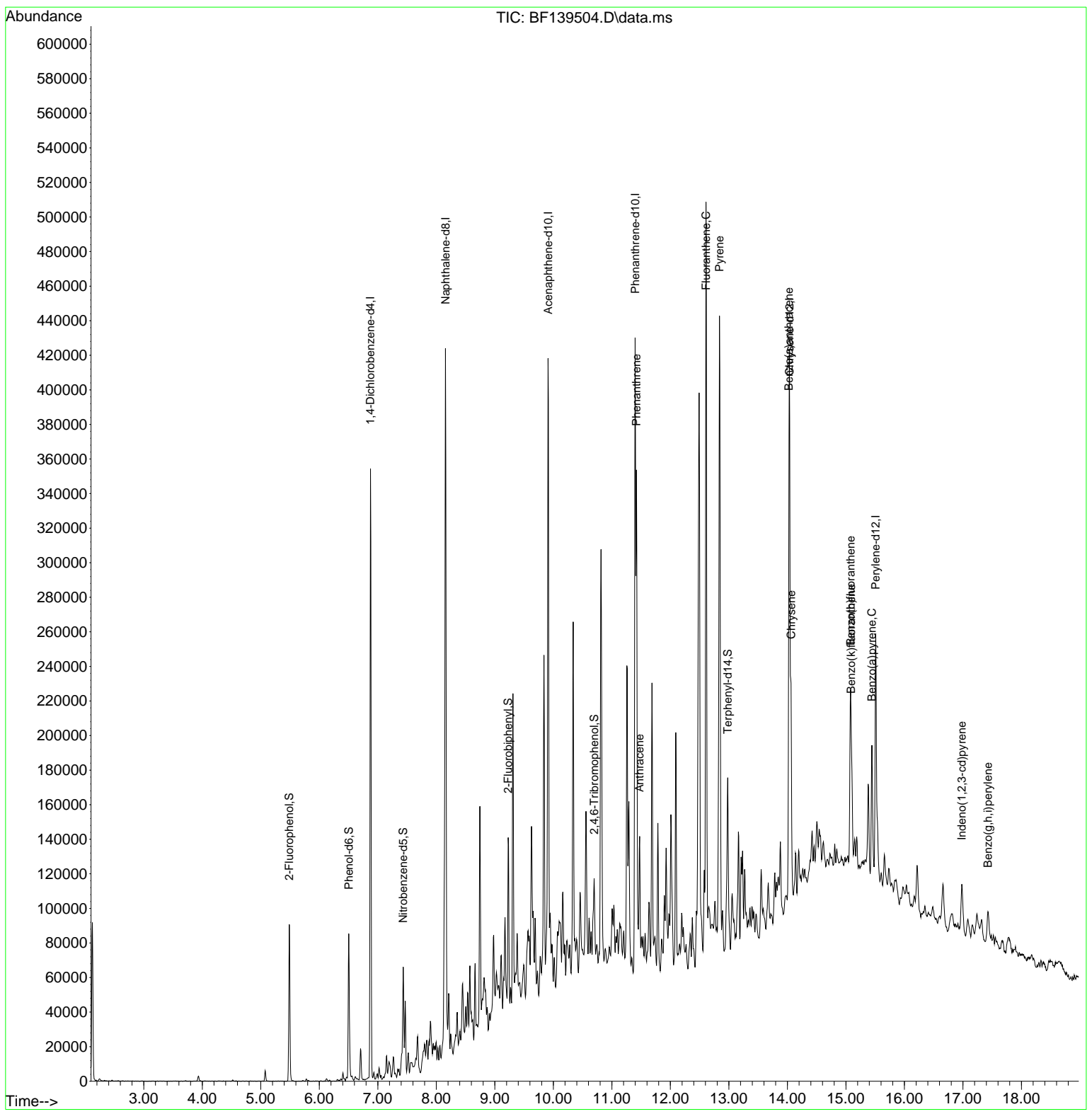
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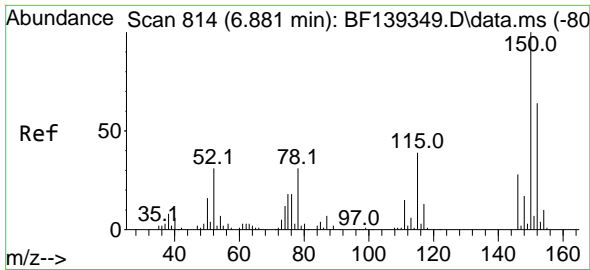
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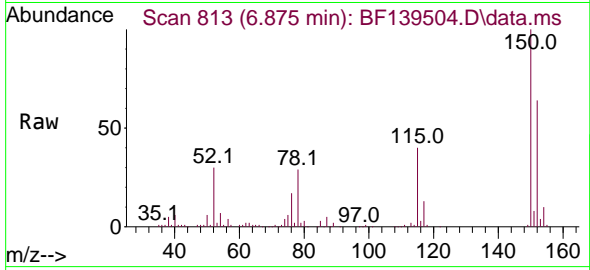
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

Client Sample Id :

PL-01-09192024

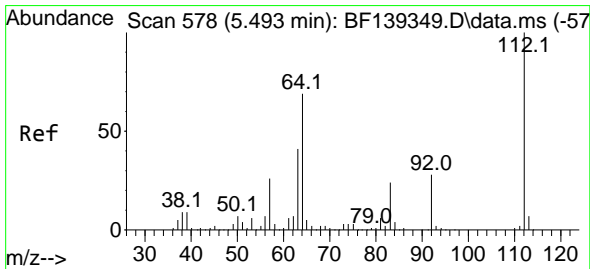
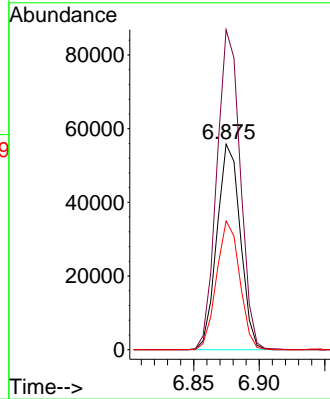
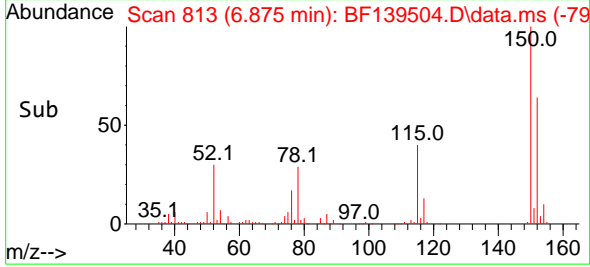


Tgt Ion:152 Resp: 6908
 Ion Ratio Lower Upper
 152 100
 150 155.7 124.1 186.1
 115 62.7 48.1 72.1

Manual Integrations

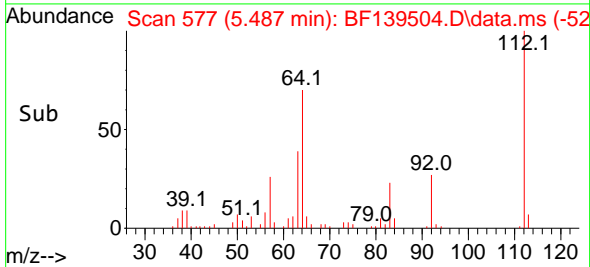
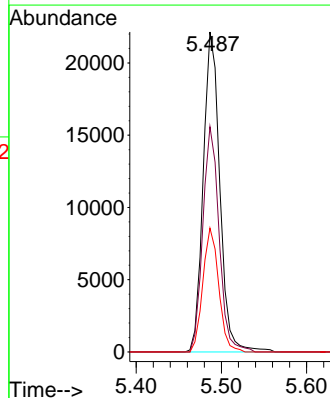
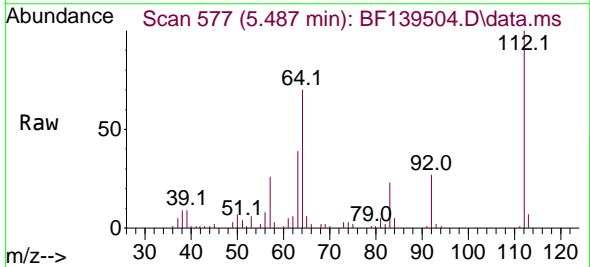
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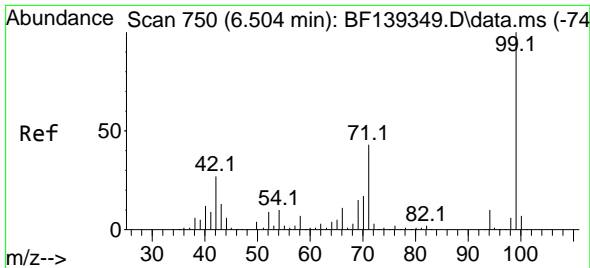
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 Supervised By :mohammad ahmed 09/22/2024



#5
 2-Fluorophenol
 Concen: 7.091 ng
 RT: 5.487 min Scan# 577
 Delta R.T. -0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Tgt Ion:112 Resp: 30030
 Ion Ratio Lower Upper
 112 100
 64 70.4 54.8 82.2
 63 38.7 33.0 49.4





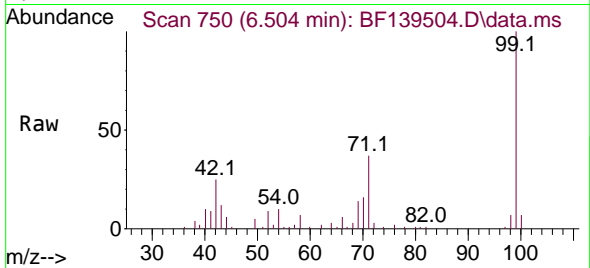
#7
Phenol-d6
Concen: 6.818 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

Client Sample Id :

PL-01-09192024

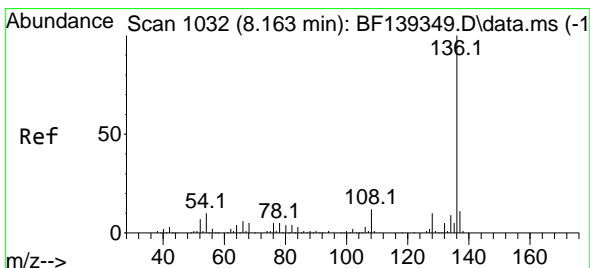
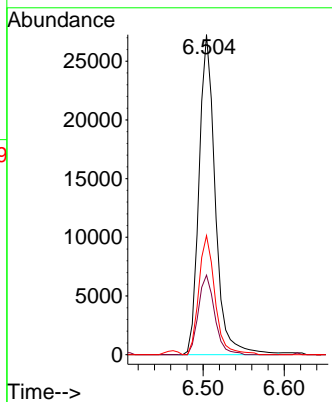
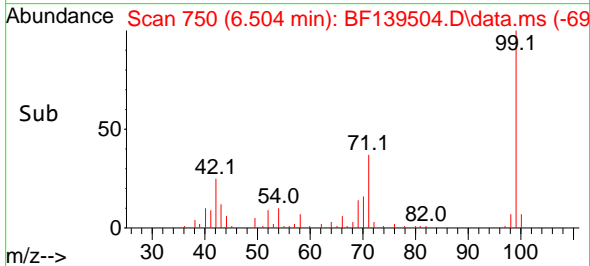


Tgt Ion: 99 Resp: 37898
Ion Ratio Lower Upper
99 100
42 24.9 21.9 32.9
71 37.2 34.6 52.0

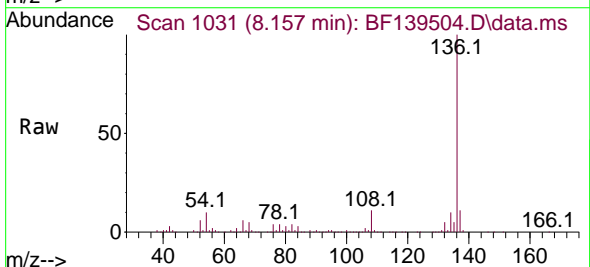
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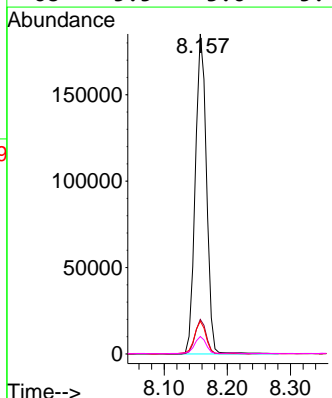
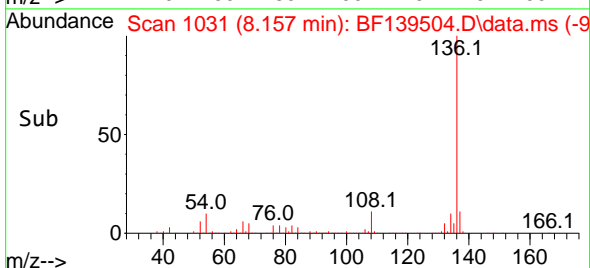
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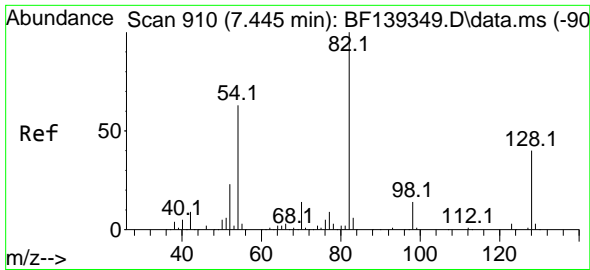


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139504.D
Acq: 20 Sep 2024 16:24



Tgt Ion:136 Resp: 227798
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.3 7.8 11.8
68 5.5 3.6 5.4#





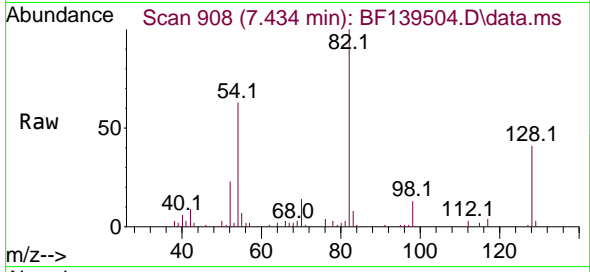
#23
 Nitrobenzene-d5
 Concen: 5.055 ng
 RT: 7.434 min Scan# 90
 Delta R.T. -0.012 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

Client Sample Id :

PL-01-09192024

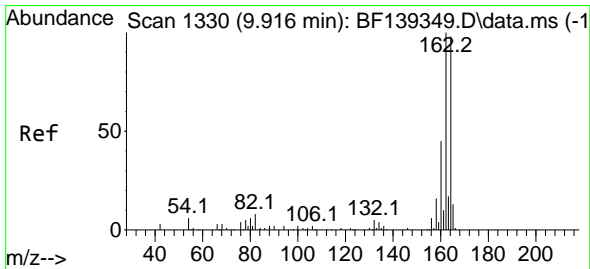
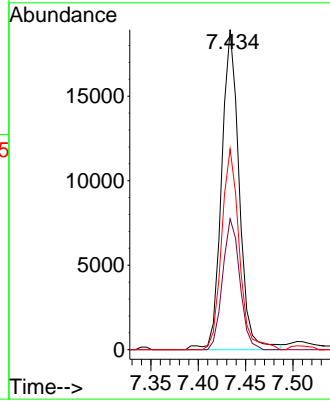
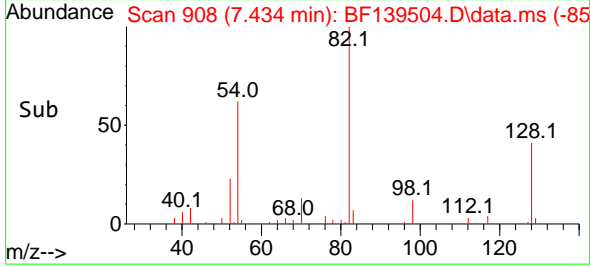


Tgt Ion: 82 Resp: 24494
 Ion Ratio Lower Upper
 82 100
 128 40.9 31.8 47.6
 54 62.7 50.6 75.8

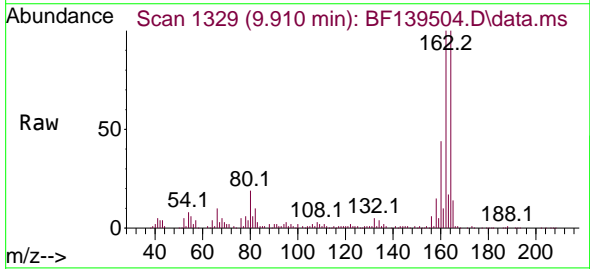
Manual Integrations

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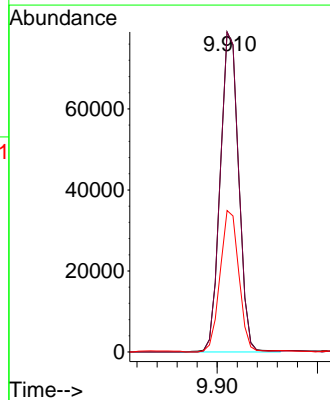
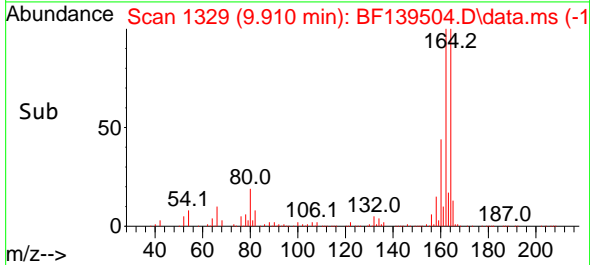
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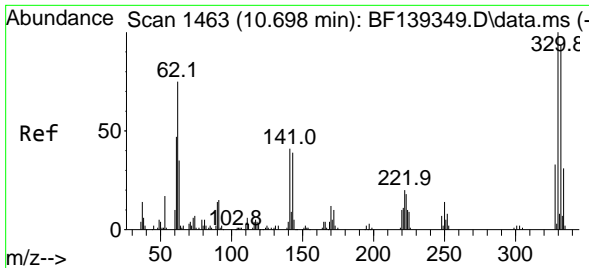


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.910 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24



Tgt Ion:164 Resp: 100633
 Ion Ratio Lower Upper
 164 100
 162 99.9 81.3 121.9
 160 44.2 36.4 54.6





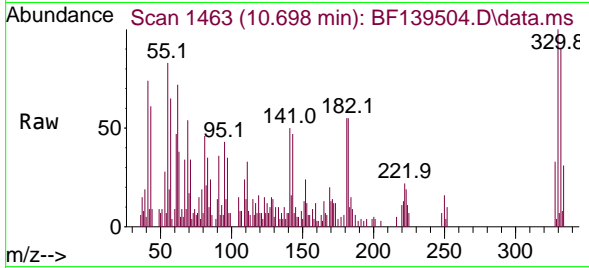
#42
 2,4,6-Tribromophenol
 Concen: 5.818 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.000 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

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PL-01-09192024

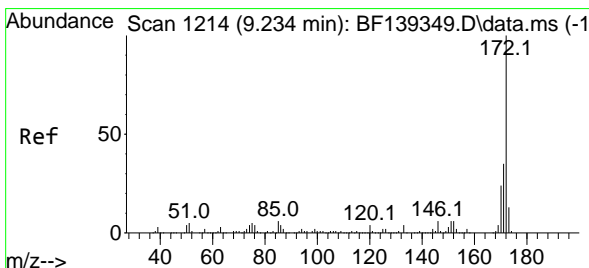
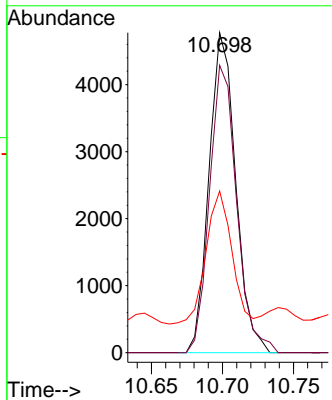
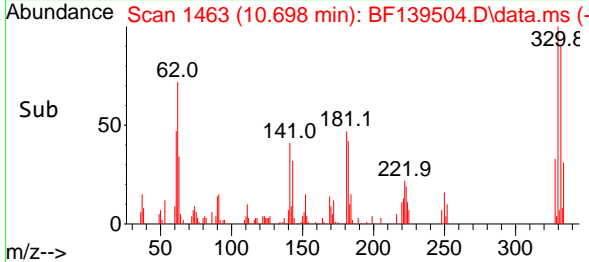


Tgt Ion: 330 Resp: 623
 Ion Ratio Lower Upper
 330 100
 332 91.4 75.2 112.8
 141 40.1 31.2 46.8

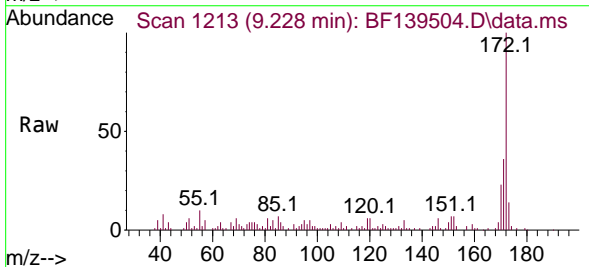
Manual Integrations

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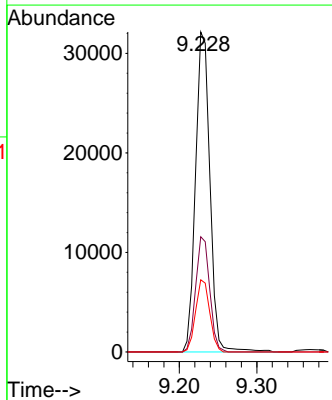
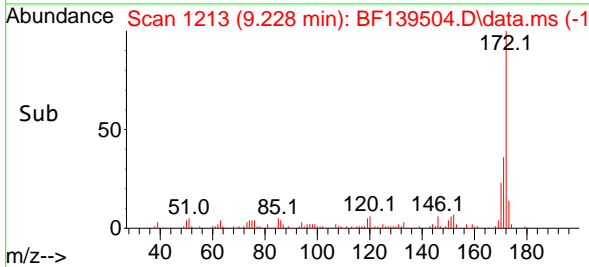
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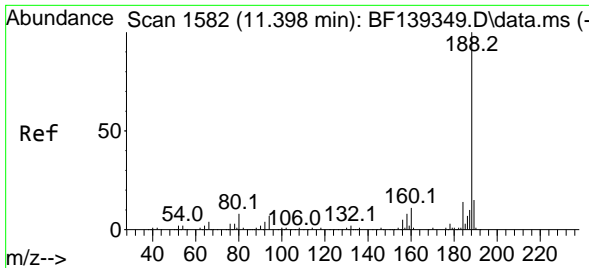


#45
 2-Fluorobiphenyl
 Concen: 5.788 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24



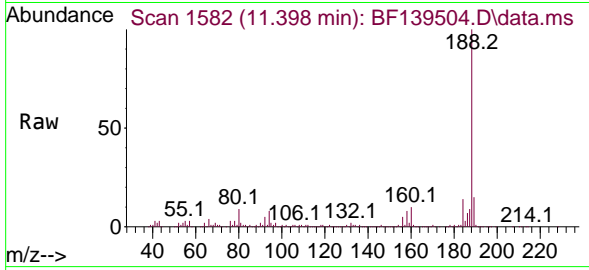
Tgt Ion: 172 Resp: 41527
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.3 42.5
 170 22.5 19.0 28.6





#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.000 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Instrument : BNA_F
 Client Sample Id : PL-01-09192024

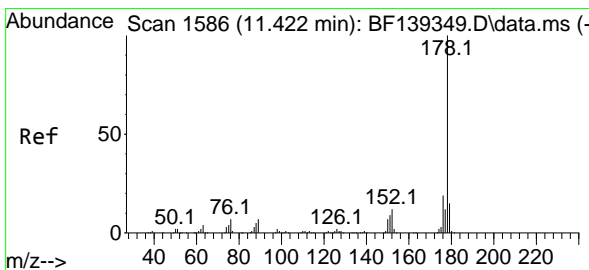
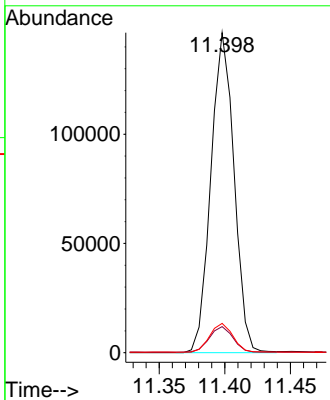
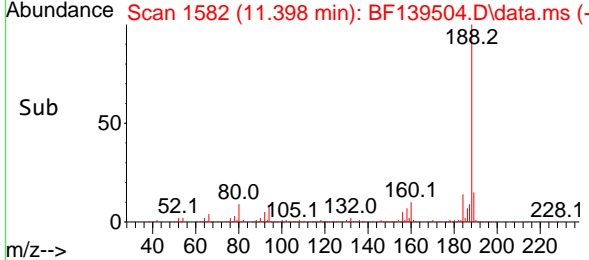


Tgt Ion: 188 Resp: 17980

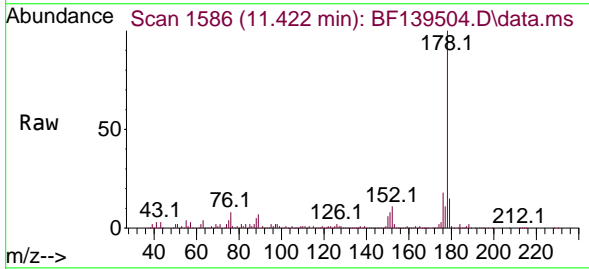
Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.5	8.3
80	9.2	6.6	9.8

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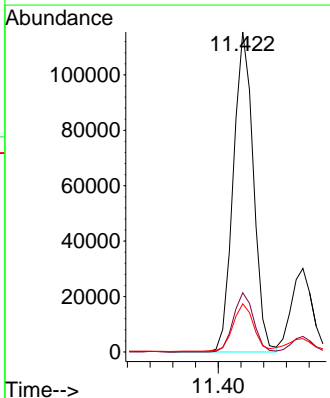
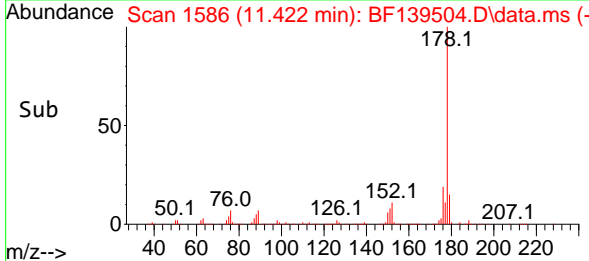


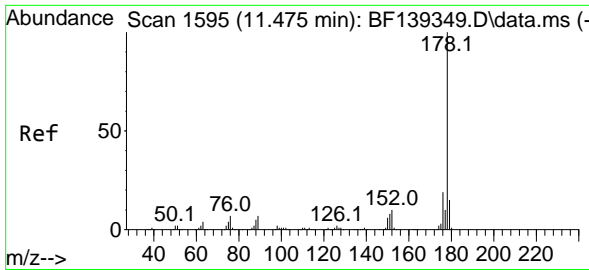
#71
 Phenanthrene
 Concen: 16.359 ng
 RT: 11.422 min Scan# 1586
 Delta R.T. -0.000 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24



Tgt Ion: 178 Resp: 141909

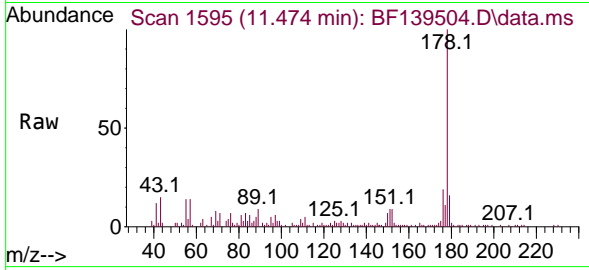
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.1	12.2	18.4





#72
 Anthracene
 Concen: 4.496 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

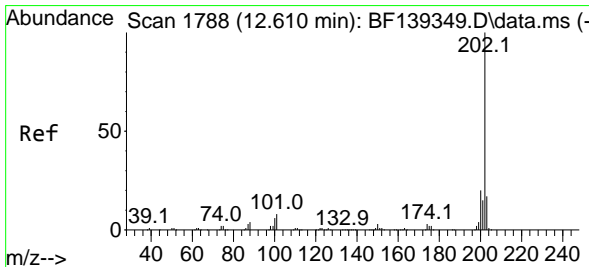
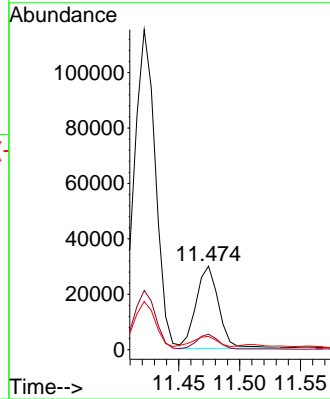
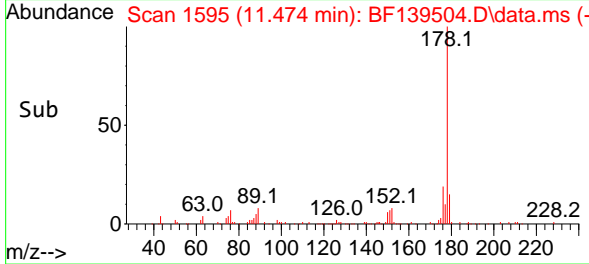
Instrument : BNA_F
 ClientSampleId : PL-01-09192024



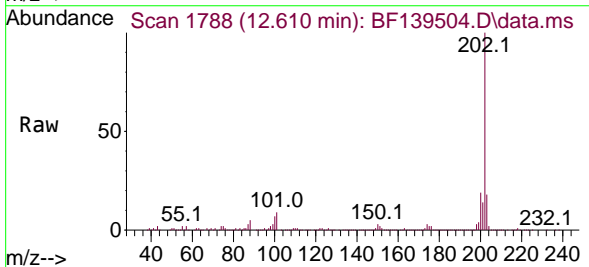
Tgt Ion:178 Resp: 3813
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 15.8 12.0 18.0

Manual Integrations
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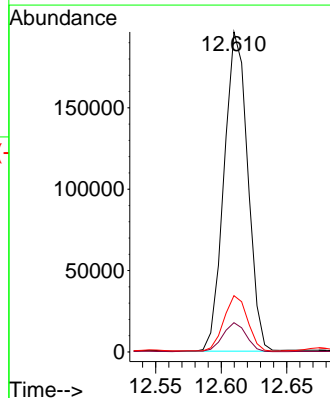
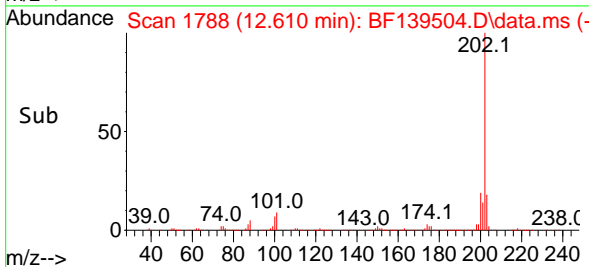
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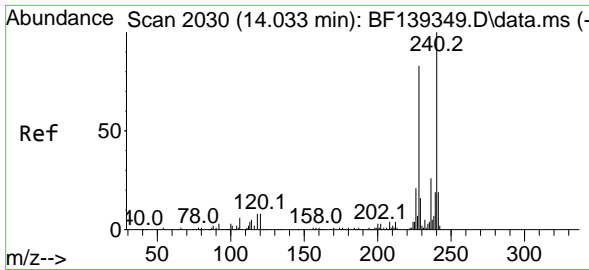


#75
 Fluoranthene
 Concen: 26.629 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.000 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24



Tgt Ion:202 Resp: 246694
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 27.7
 203 17.6 0.0 37.4





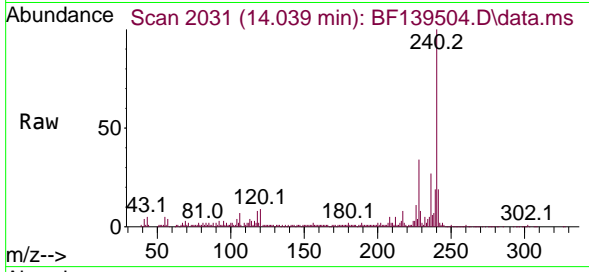
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.039 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

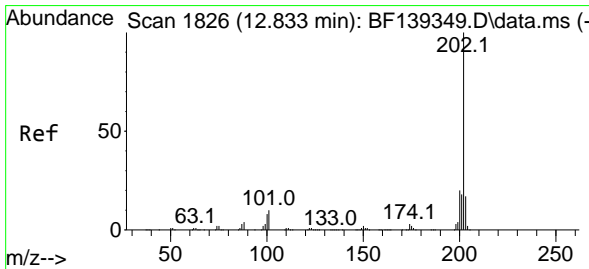
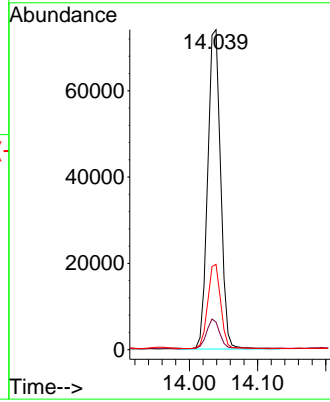
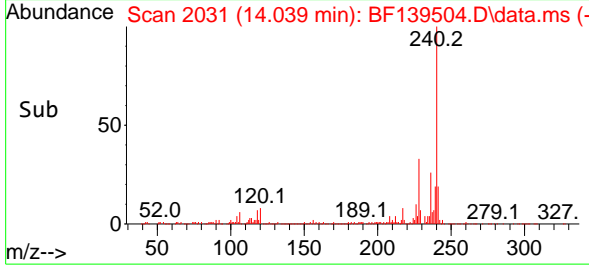


Tgt Ion:240 Resp: 97718
 Ion Ratio Lower Upper
 240 100
 120 8.6 6.2 9.2
 236 26.7 20.9 31.3

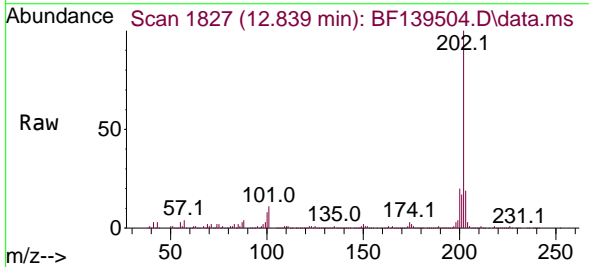
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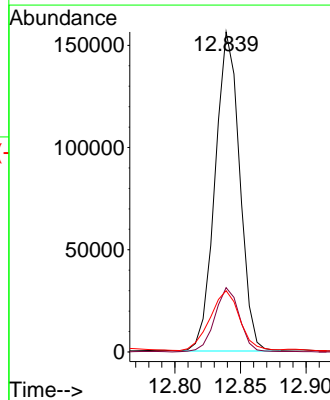
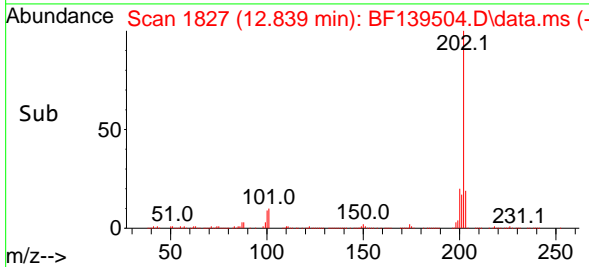
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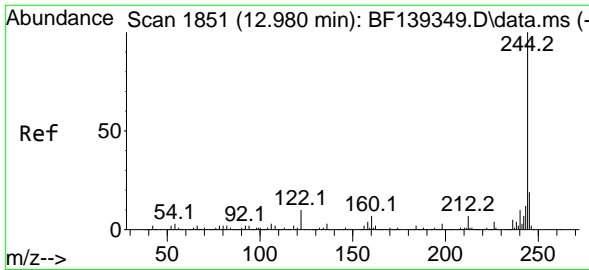


#78
 Pyrene
 Concen: 24.219 ng
 RT: 12.839 min Scan# 1827
 Delta R.T. 0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24



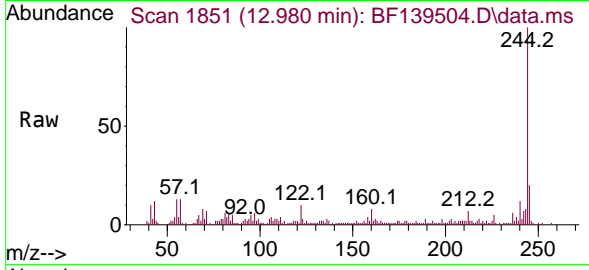
Tgt Ion:202 Resp: 203204
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.2 24.2
 203 19.1 13.9 20.9





#79
 Terphenyl-d14
 Concen: 6.634 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

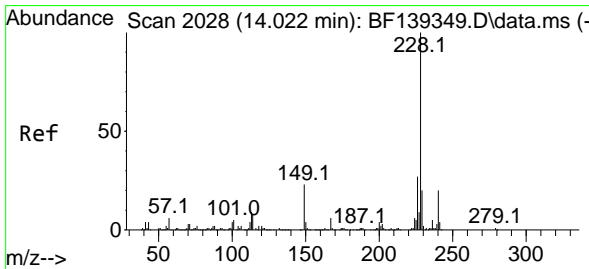
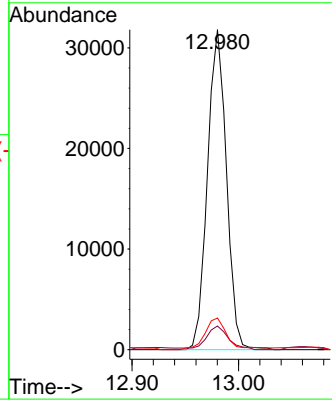
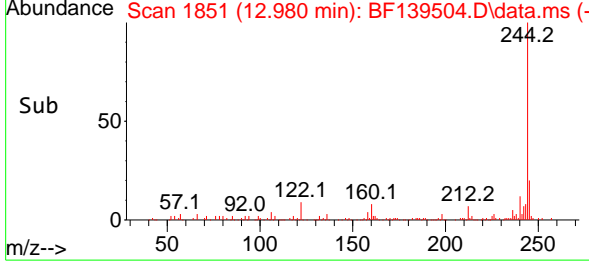
Instrument : BNA_F
 ClientSampleId : PL-01-09192024



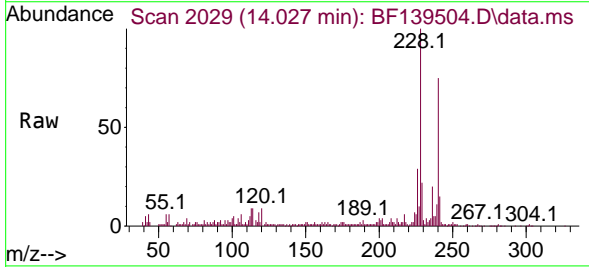
Tgt Ion:244 Resp: 3949
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.9 7.6 11.4

Manual Integrations
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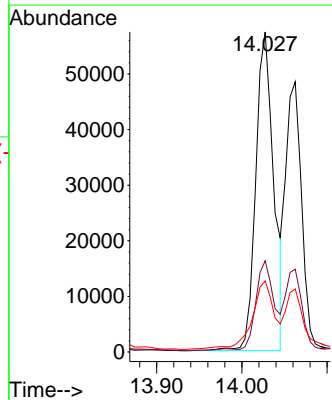
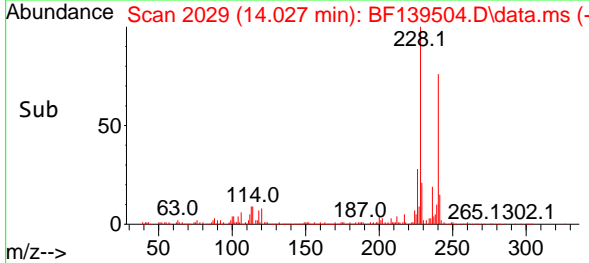
Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

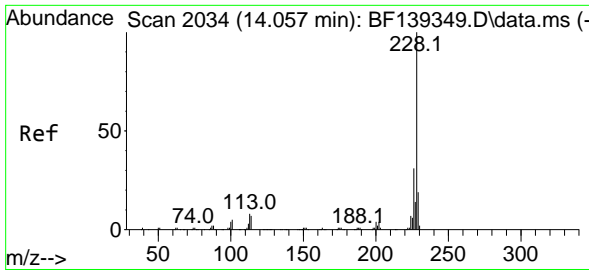


#81
 Benzo(a)anthracene
 Concen: 12.968 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24



Tgt Ion:228 Resp: 83941
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 22.2 15.7 23.5





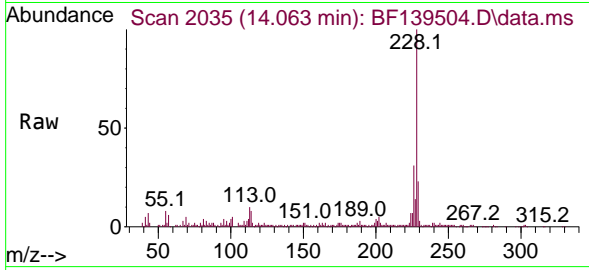
#83
 Chrysene
 Concen: 10.405 ng m
 RT: 14.063 min Scan# 2035
 Delta R.T. 0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

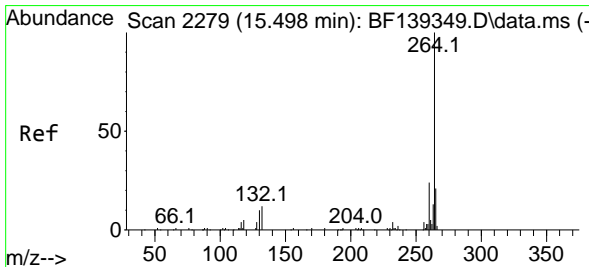
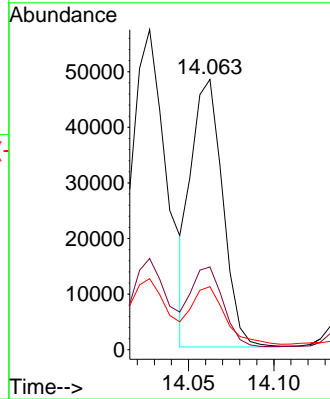
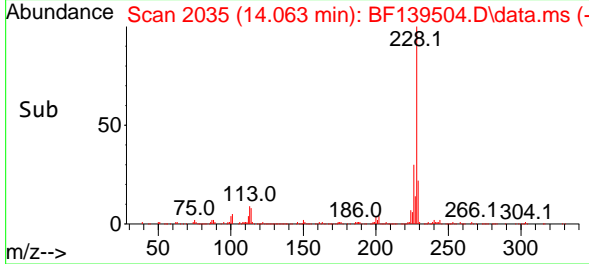


Tgt Ion:228 Resp: 6196
 Ion Ratio Lower Upper
 228 100
 226 30.6 24.1 36.1
 229 23.3 15.4 23.0

Manual Integrations

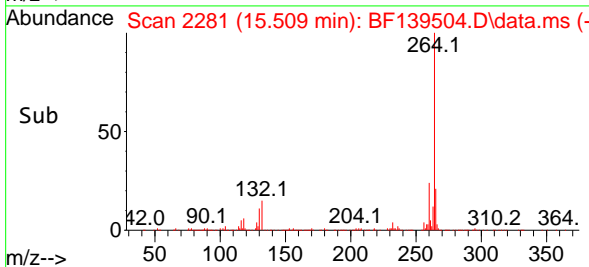
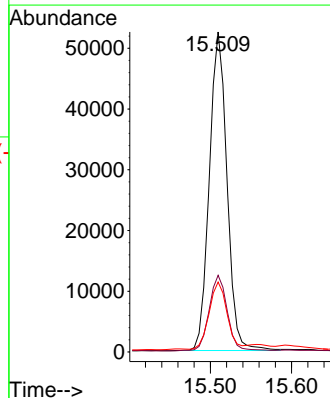
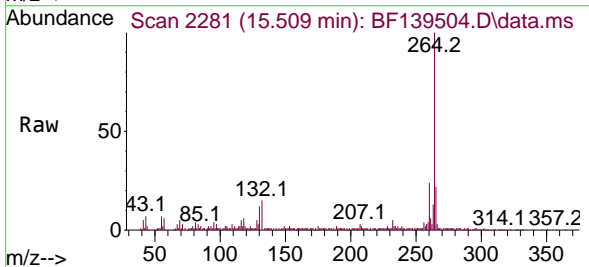
APPROVED

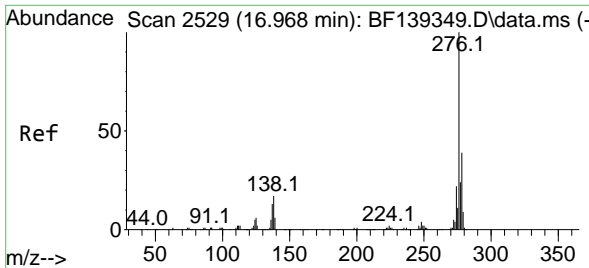
Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. 0.012 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

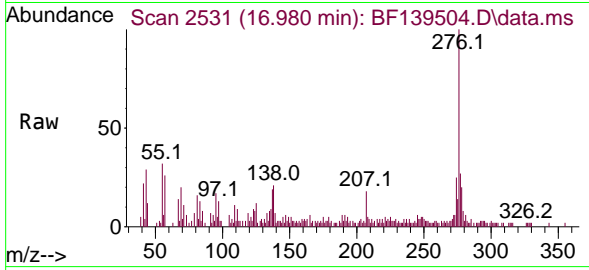
Tgt Ion:264 Resp: 79171
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 21.9 16.6 25.0





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.367 ng
 RT: 16.980 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

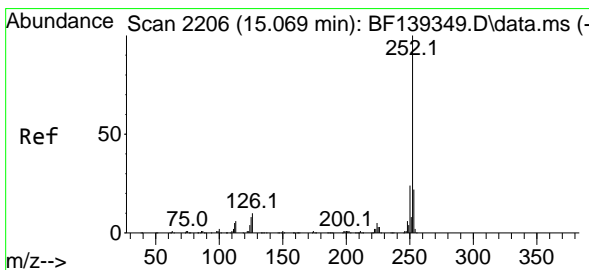
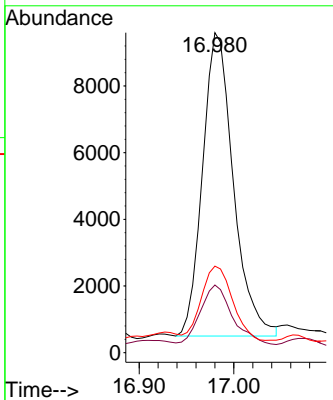
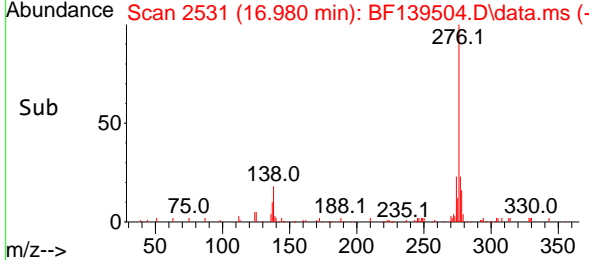
Instrument : BNA_F
 ClientSampleId : PL-01-09192024



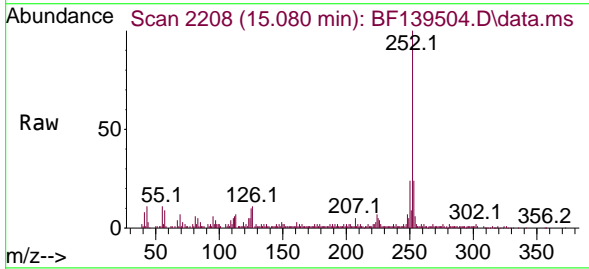
Tgt Ion: 276 Resp: 20559
 Ion Ratio Lower Upper
 276 100
 138 21.1 15.4 23.2
 277 26.0 20.4 30.6

Manual Integrations
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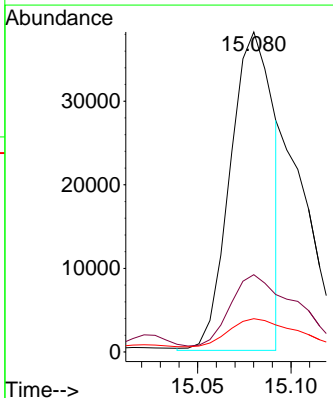
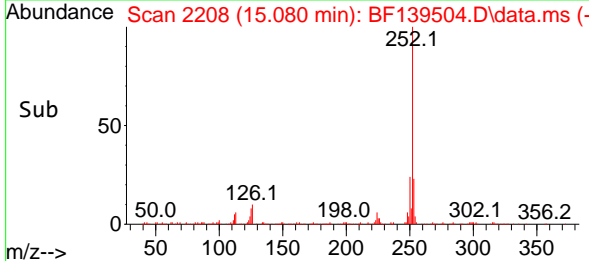
Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

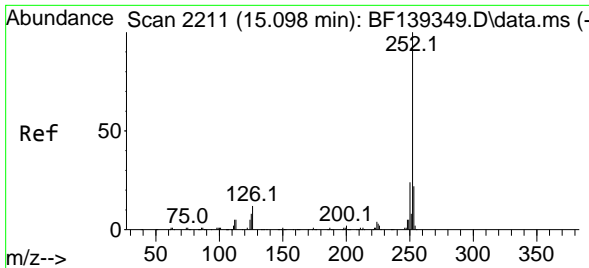


#88
 Benzo(b)fluoranthene
 Concen: 12.573 ng m
 RT: 15.080 min Scan# 2208
 Delta R.T. 0.012 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24



Tgt Ion: 252 Resp: 61390
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.6 26.4
 125 10.4 6.2 9.2#





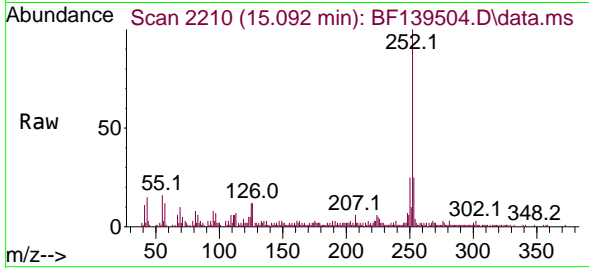
#89
 Benzo(k)fluoranthene
 Concen: 6.358 ng m
 RT: 15.092 min Scan# 2110
 Delta R.T. -0.006 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024

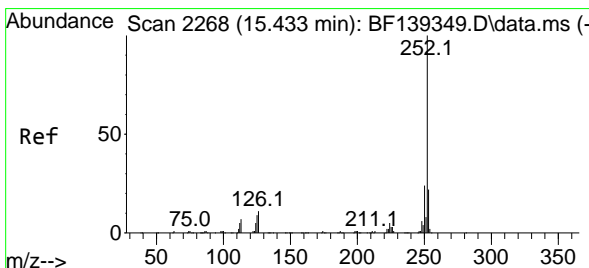
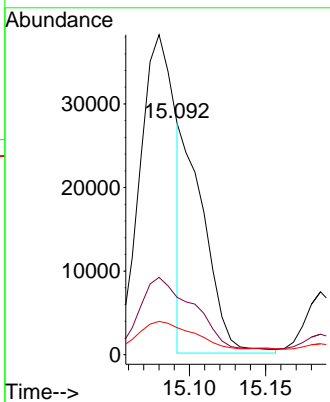
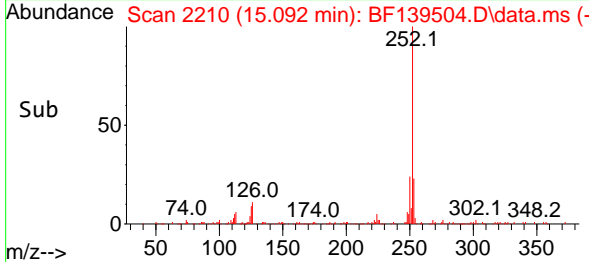


Tgt Ion:252 Resp: 2862
 Ion Ratio Lower Upper
 252 100
 253 24.8 17.3 25.9
 125 11.7 5.9 8.9

Manual Integrations

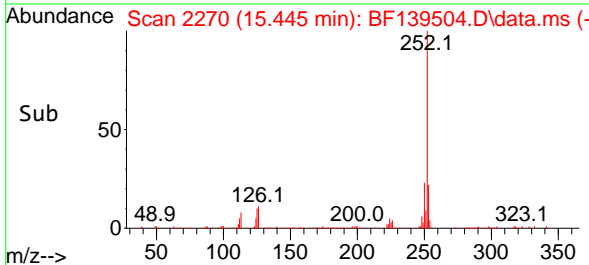
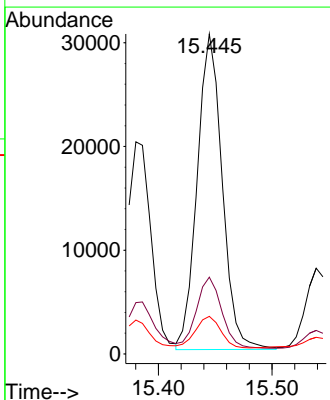
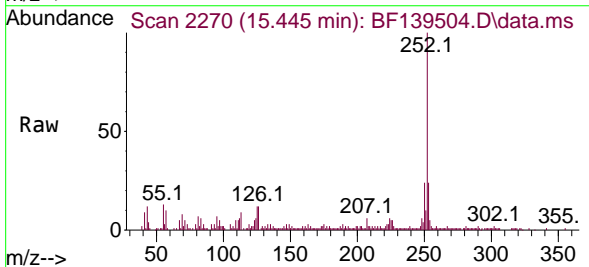
APPROVED

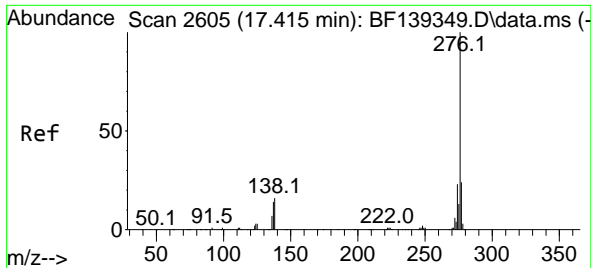
Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024



#90
 Benzo(a)pyrene
 Concen: 11.497 ng
 RT: 15.445 min Scan# 2270
 Delta R.T. 0.012 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Tgt Ion:252 Resp: 46556
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.3 25.9
 125 11.8 6.8 10.2





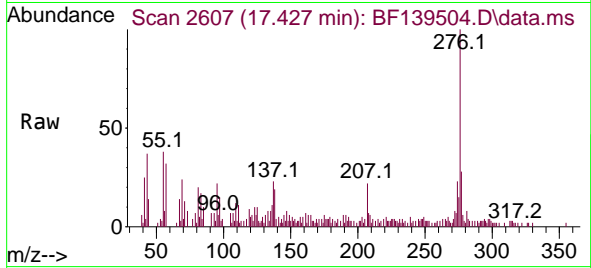
#92
 Benzo(g,h,i)perylene
 Concen: 5.052 ng
 RT: 17.427 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF139504.D
 Acq: 20 Sep 2024 16:24

Instrument :

BNA_F

ClientSampleId :

PL-01-09192024



Tgt Ion: 276 Resp: 1945

Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.9	28.3
138	19.3	13.0	19.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

