

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139388.D
 Acq On : 16 Sep 2024 19:48
 Operator : RC/JU
 Sample : P3962-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091124

Quant Time: Sep 17 01:38:54 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
 Supervised By :mohammad ahmed 09/19/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	55379	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	185754	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	81288	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	133329	20.000	ng	0.00
76) Chrysene-d12	14.027	240	73618	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	59581	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	326644	96.222	ng	0.00
7) Phenol-d6	6.504	99	426850	95.798	ng	0.00
23) Nitrobenzene-d5	7.439	82	278440	70.469	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	73369	84.780	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	453374	78.224	ng	0.00
79) Terphenyl-d14	12.980	244	354178	78.968	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	14062	2.186	ng	96
75) Fluoranthene	12.604	202	29409	4.281	ng	96
78) Pyrene	12.833	202	33229	5.257	ng	97
81) Benzo(a)anthracene	14.021	228	14604	2.995	ng	# 76
83) Chrysene	14.051	228	16095	3.588	ng	# 79
87) Indeno(1,2,3-cd)pyrene	16.968	276	7271	2.052	ng	# 95
88) Benzo(b)fluoranthene	15.074	252	15949m	4.340	ng	
90) Benzo(a)pyrene	15.439	252	12093	3.968	ng	# 71
92) Benzo(g,h,i)perylene	17.415	276	9193	3.171	ng	# 81

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

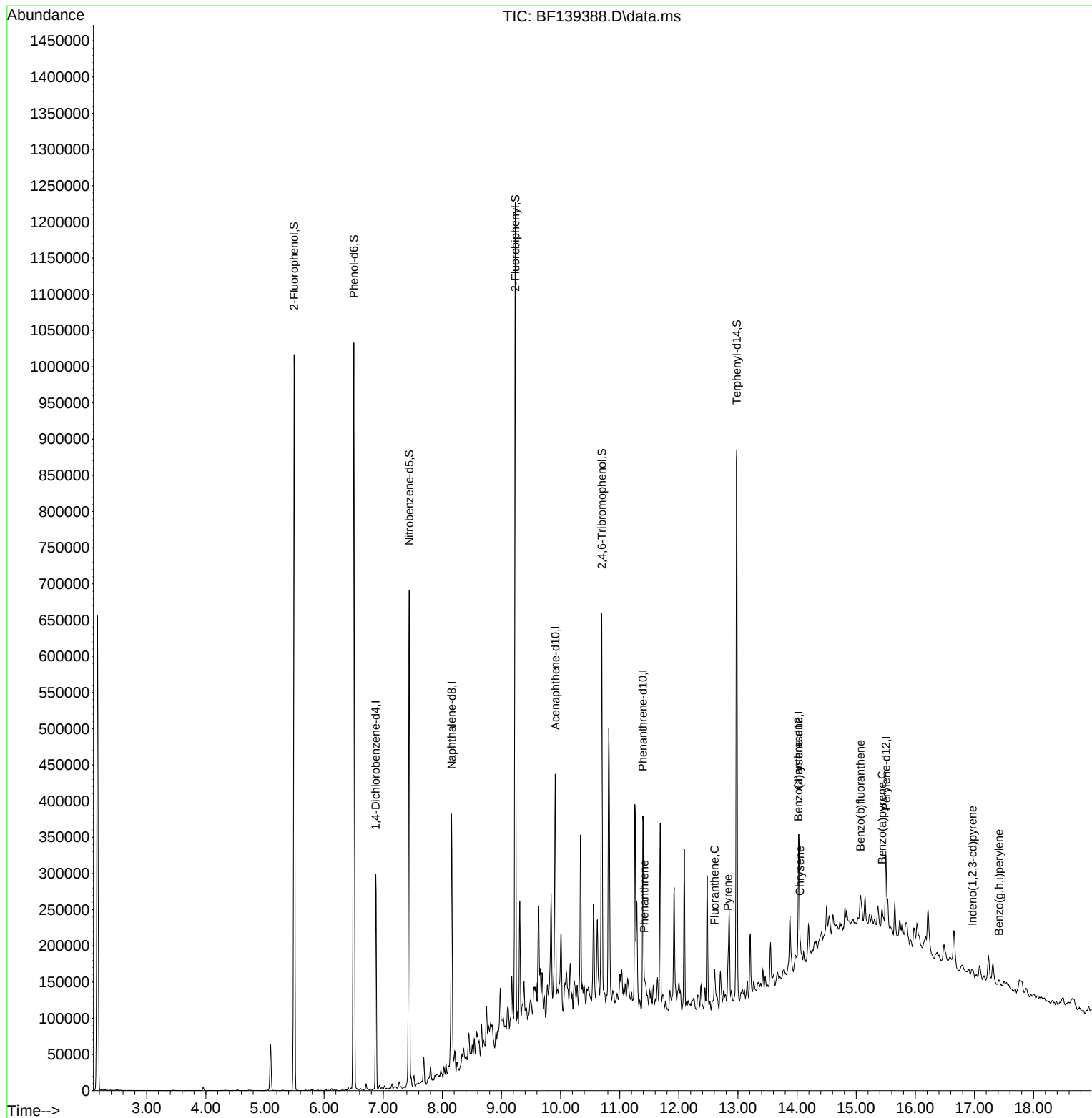
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
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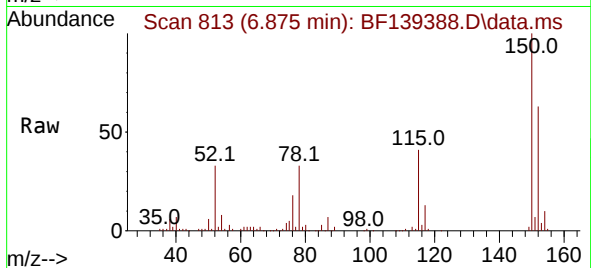
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

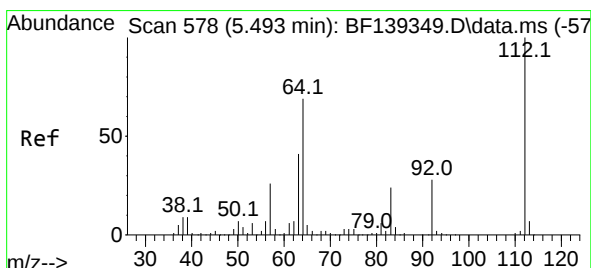
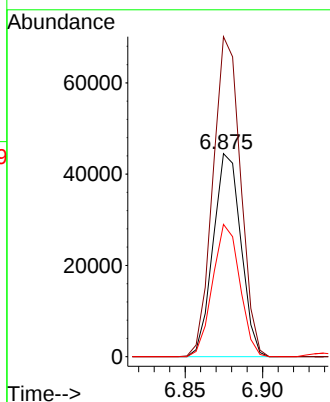
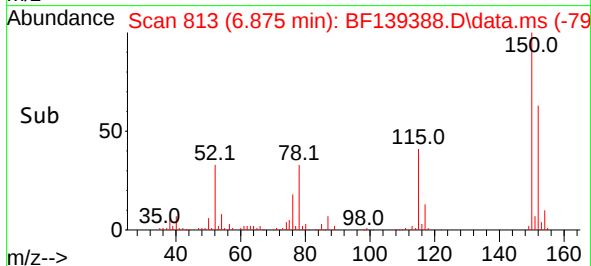
Instrument :
BNA_F
ClientSampleId :
TR-04-091124



Tgt Ion:152 Resp: 55379
Ion Ratio Lower Upper
152 100
150 157.6 124.1 186.1
115 65.2 48.1 72.1

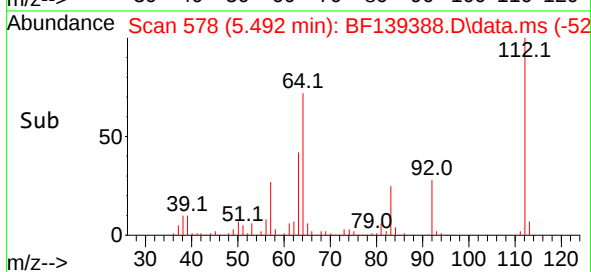
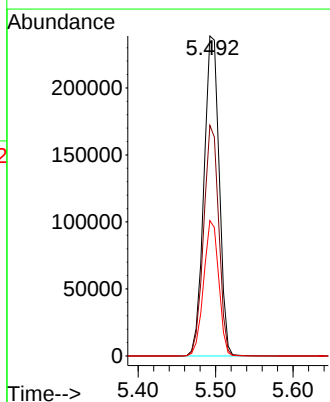
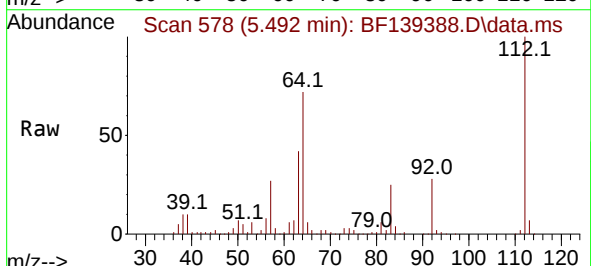
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#5
2-Fluorophenol
Concen: 96.222 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.001 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

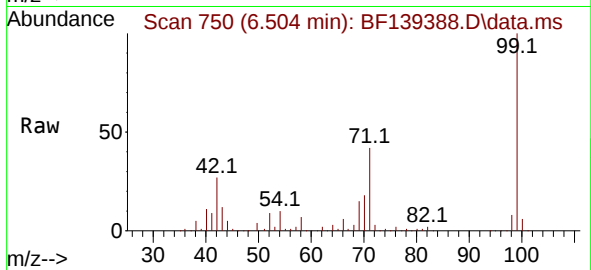
Tgt Ion:112 Resp: 326644
Ion Ratio Lower Upper
112 100
64 72.0 54.8 82.2
63 42.3 33.0 49.4





#7
Phenol-d6
Concen: 95.798 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

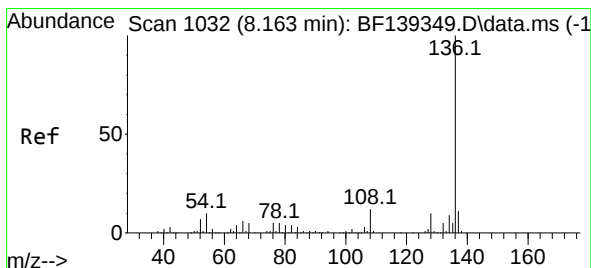
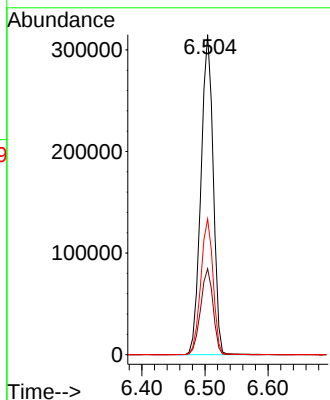
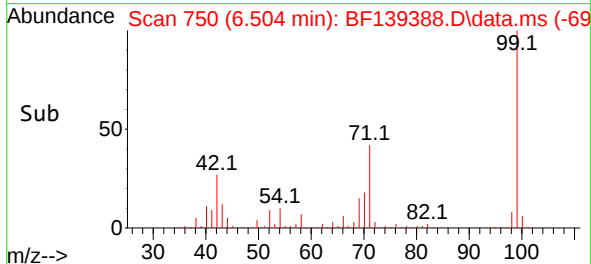
Instrument :
BNA_F
ClientSampleId :
TR-04-091124



Tgt Ion: 99 Resp: 426850
Ion Ratio Lower Upper
99 100
42 26.8 21.9 32.9
71 42.4 34.6 52.0

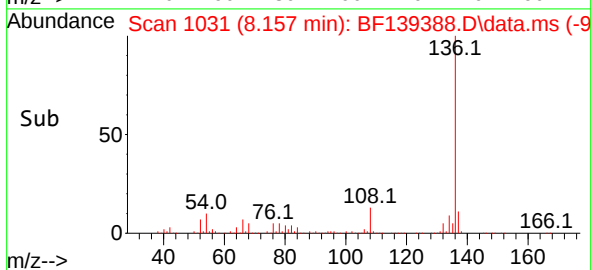
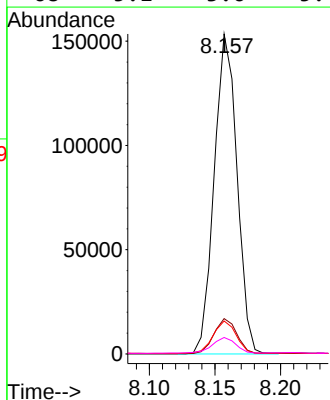
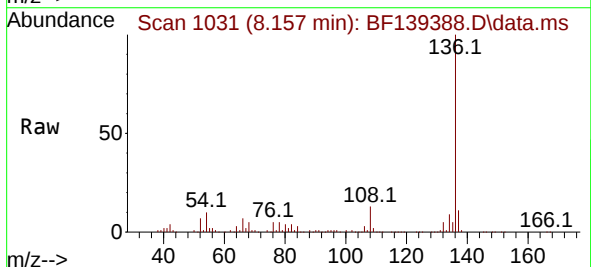
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Supervised By :mohammad ahmed 09/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Tgt Ion:136 Resp: 185754
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.3 7.8 11.8
68 5.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 70.469 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139388.D

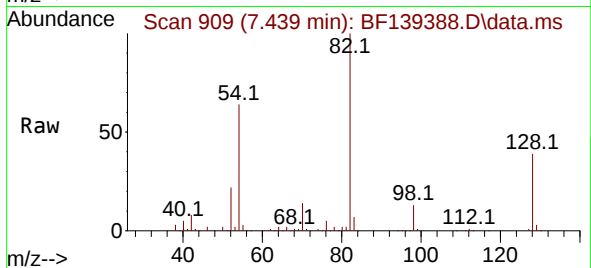
Acq: 16 Sep 2024 19:48

Instrument :

BNA_F

ClientSampleId :

TR-04-091124



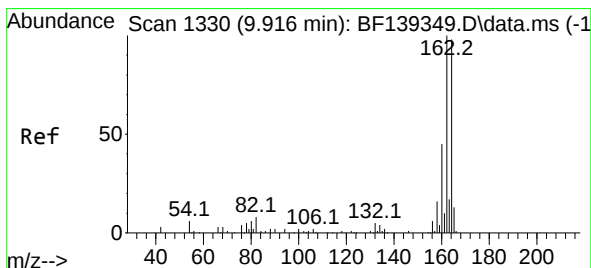
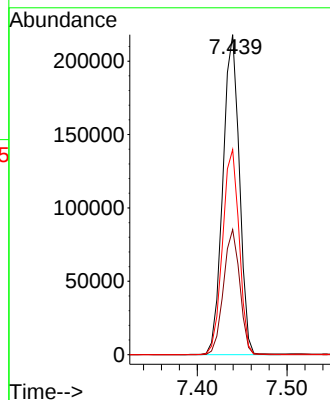
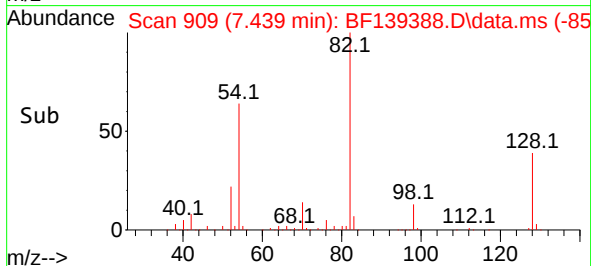
Tgt Ion: 82 Resp: 278440

Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.8	47.6
54	64.1	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

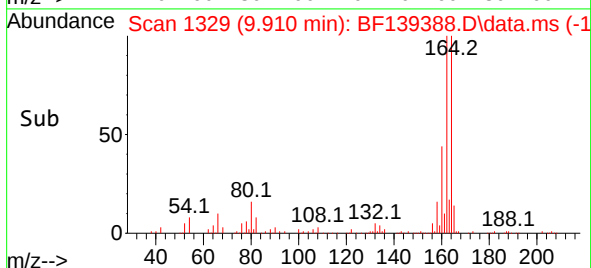
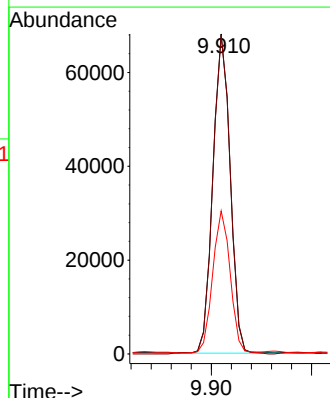
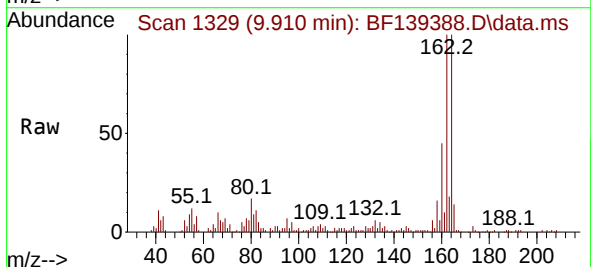
Delta R.T. -0.006 min

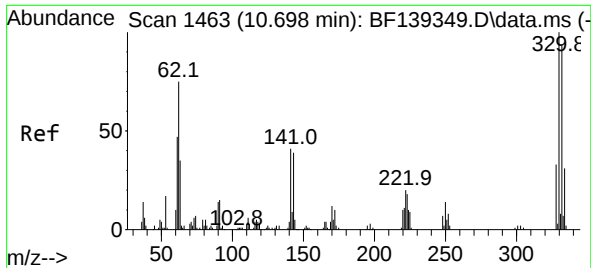
Lab File: BF139388.D

Acq: 16 Sep 2024 19:48

Tgt Ion:164 Resp: 81288

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.3	121.9
160	44.7	36.4	54.6





#42
2,4,6-Tribromophenol
Concen: 84.780 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Instrument :

BNA_F

ClientSampleId :

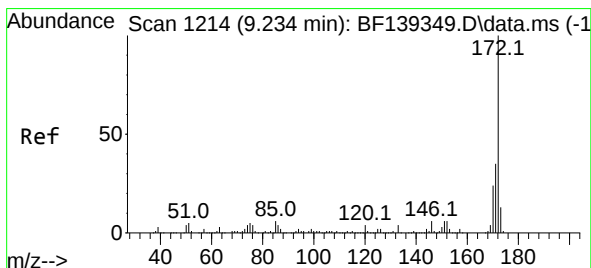
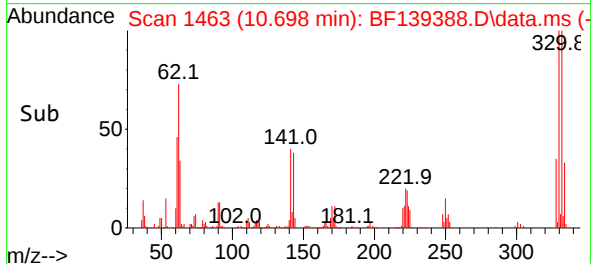
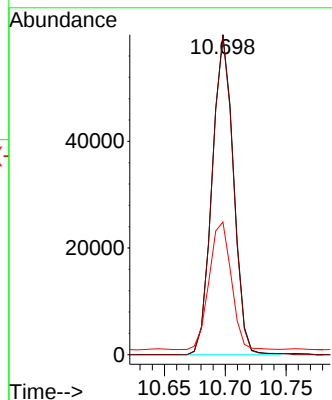
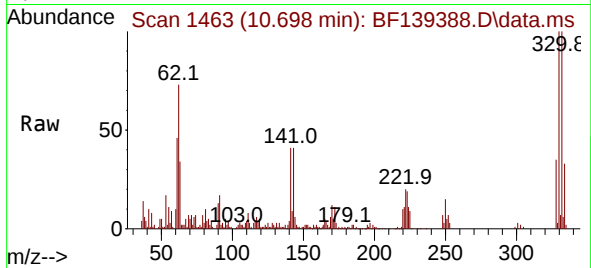
TR-04-091124

Tgt Ion:330 Resp: 73369
Ion Ratio Lower Upper
330 100
332 99.0 75.2 112.8
141 41.2 31.2 46.8

Manual Integrations

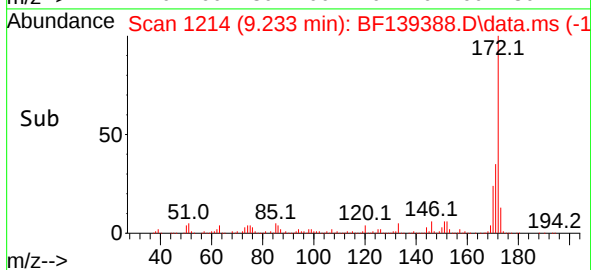
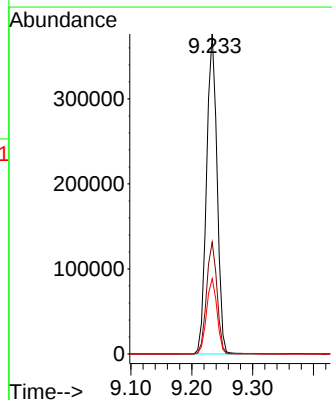
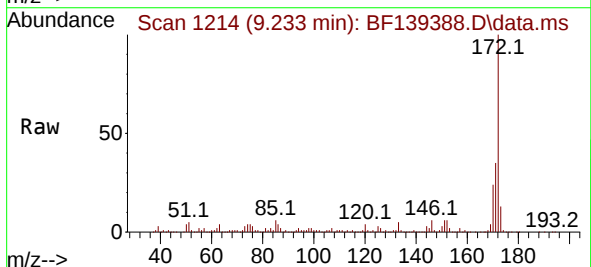
APPROVED

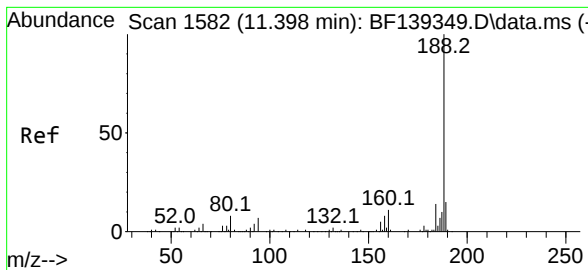
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#45
2-Fluorobiphenyl
Concen: 78.224 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Tgt Ion:172 Resp: 453374
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.5 19.0 28.6





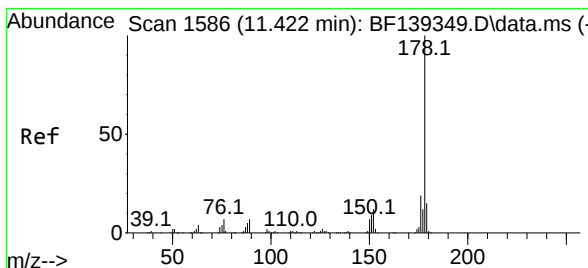
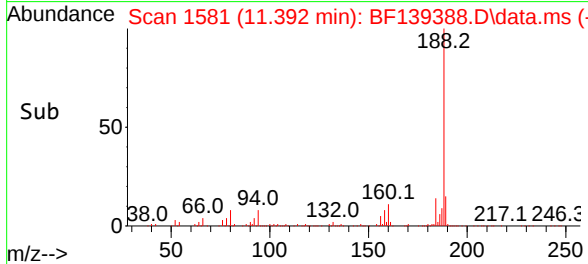
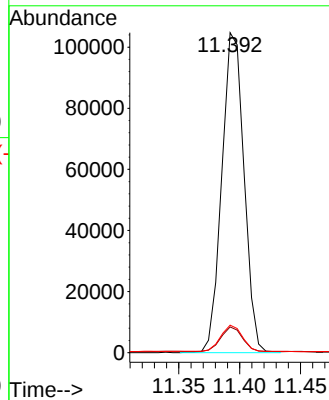
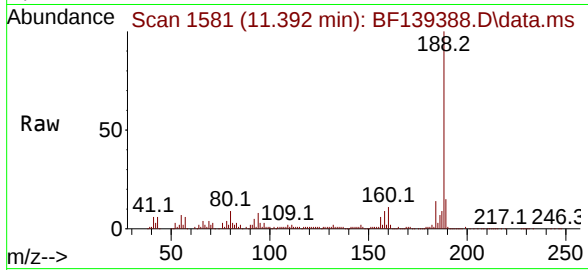
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Instrument :
BNA_F
ClientSampleId :
TR-04-091124

Tgt Ion:188 Resp: 133329
Ion Ratio Lower Upper
188 100
94 8.0 5.5 8.3
80 8.6 6.6 9.8

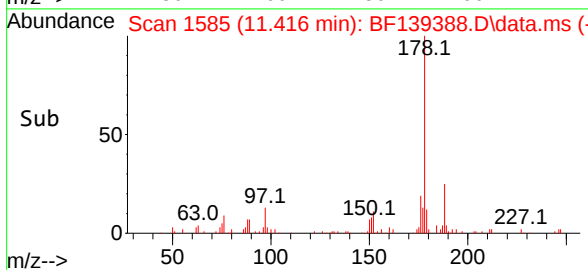
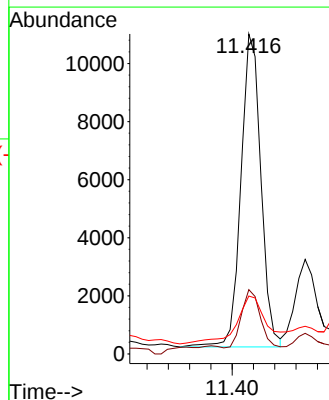
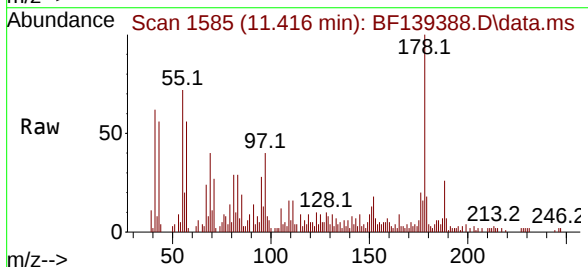
Manual Integrations
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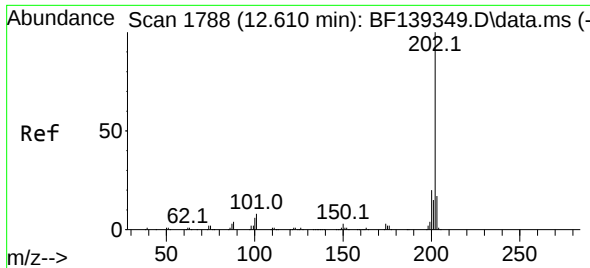
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#71
Phenanthrene
Concen: 2.186 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Tgt Ion:178 Resp: 14062
Ion Ratio Lower Upper
178 100
176 20.1 15.2 22.8
179 18.1 12.2 18.4





#75
Fluoranthene
Concen: 4.281 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Instrument :

BNA_F

ClientSampleId :

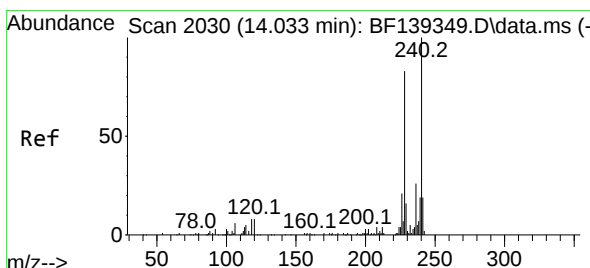
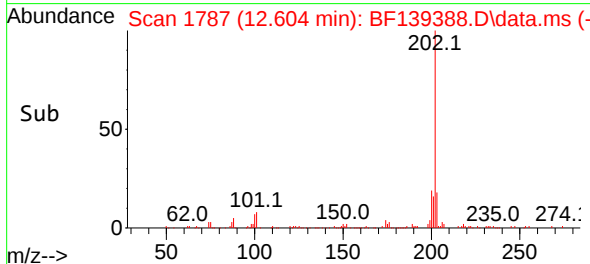
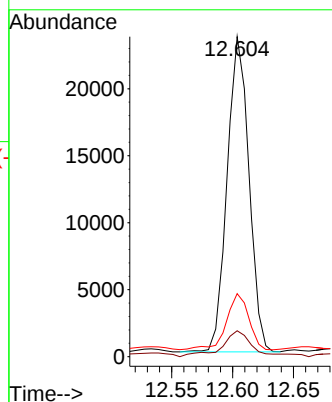
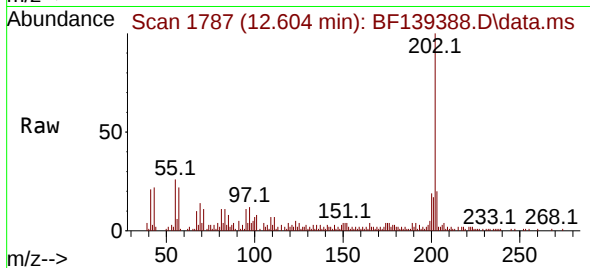
TR-04-091124

Tgt Ion:202 Resp: 29409
Ion Ratio Lower Upper
202 100
101 8.1 0.0 27.7
203 19.7 0.0 37.4

Manual Integrations

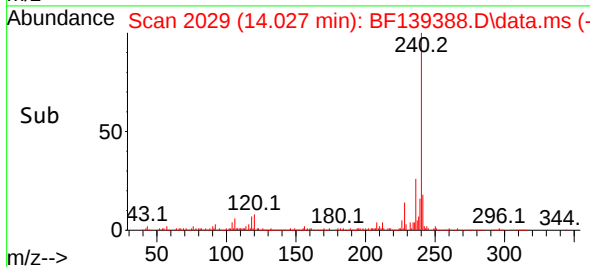
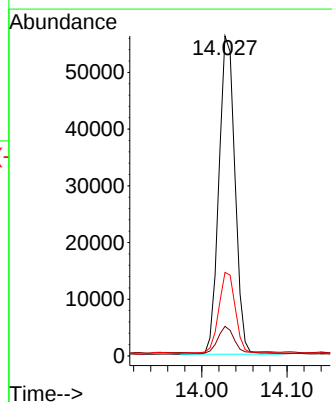
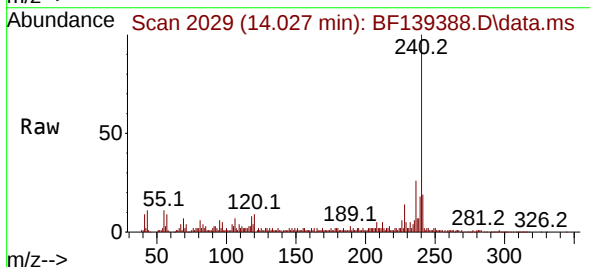
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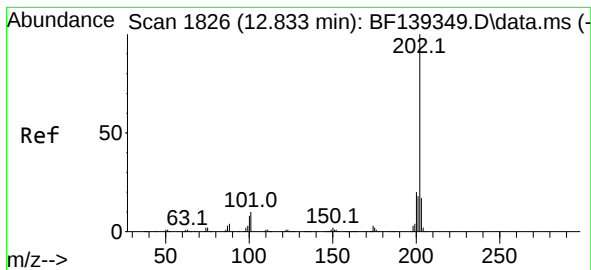
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Tgt Ion:240 Resp: 73618
Ion Ratio Lower Upper
240 100
120 9.2 6.2 9.2#
236 26.1 20.9 31.3





#78

Pyrene

Concen: 5.257 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139388.D

Acq: 16 Sep 2024 19:48

Instrument :

BNA_F

ClientSampleId :

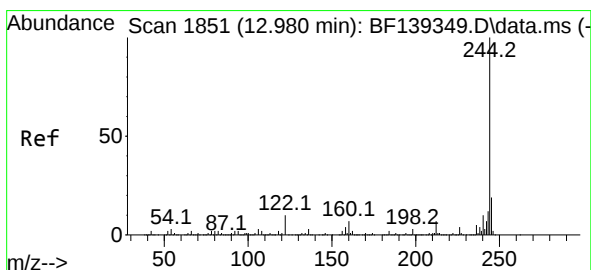
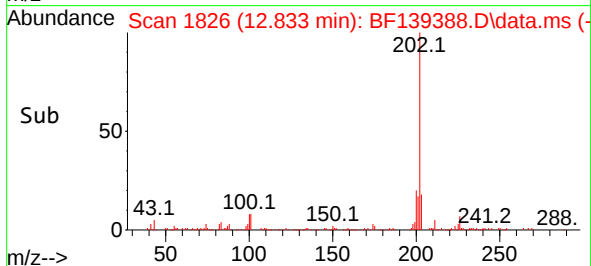
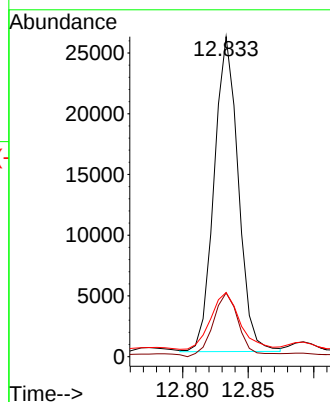
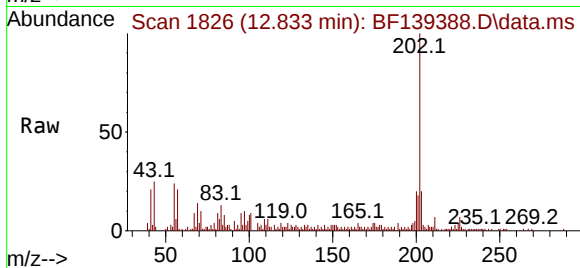
TR-04-091124

Tgt Ion:	202	Resp:	33229
Ion Ratio	Lower	Upper	
202	100		
200	19.9	16.2	24.2
203	20.1	13.9	20.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#79

Terphenyl-d14

Concen: 78.968 ng

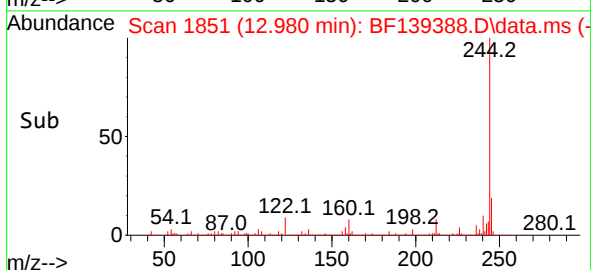
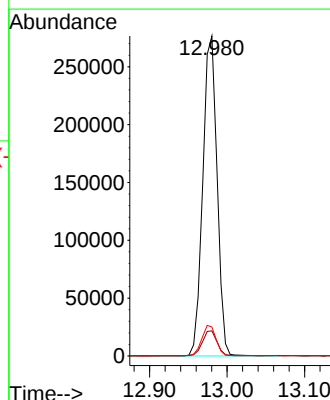
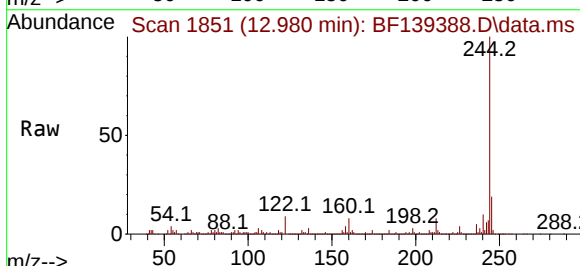
RT: 12.980 min Scan# 1851

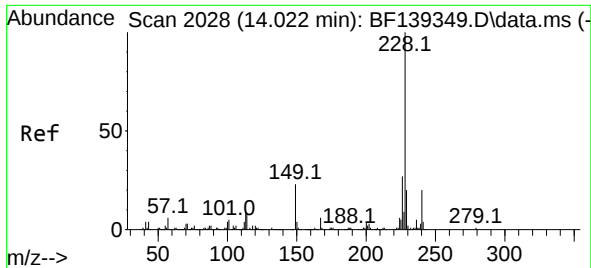
Delta R.T. -0.000 min

Lab File: BF139388.D

Acq: 16 Sep 2024 19:48

Tgt Ion:	244	Resp:	354178
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.0	9.0
122	9.1	7.6	11.4





#81
Benzo(a)anthracene
Concen: 2.995 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Instrument :

BNA_F

ClientSampleId :

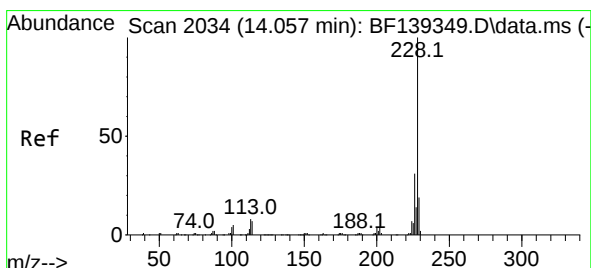
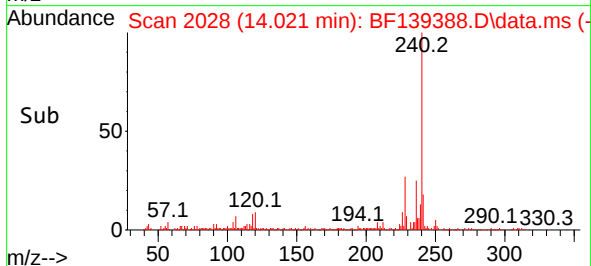
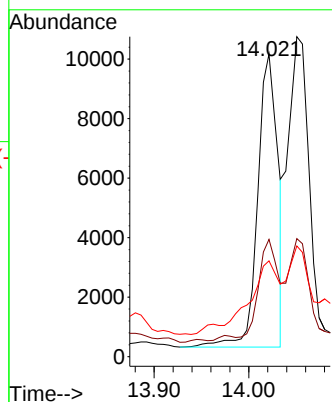
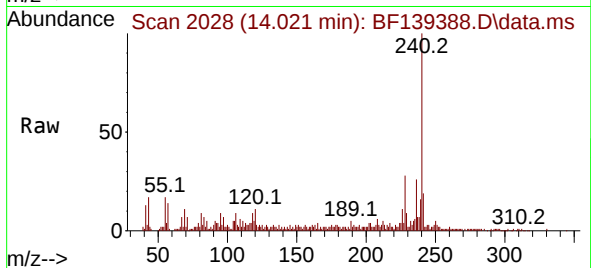
TR-04-091124

Tgt Ion:228 Resp: 14604
Ion Ratio Lower Upper
228 100
226 38.8 21.6 32.4#
229 31.7 15.7 23.5#

Manual Integrations

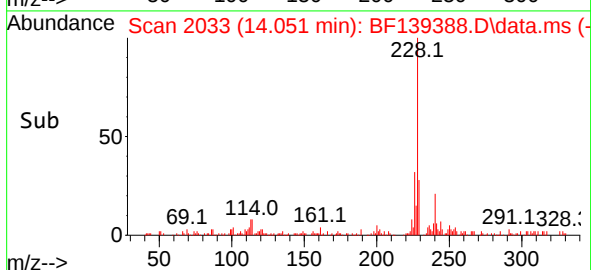
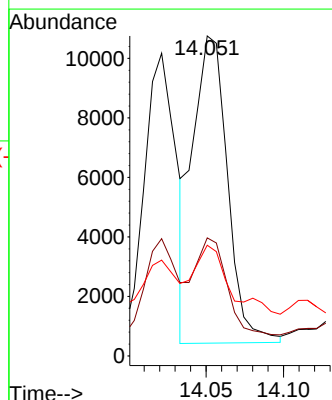
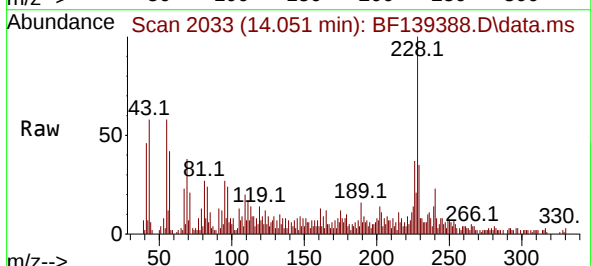
APPROVED

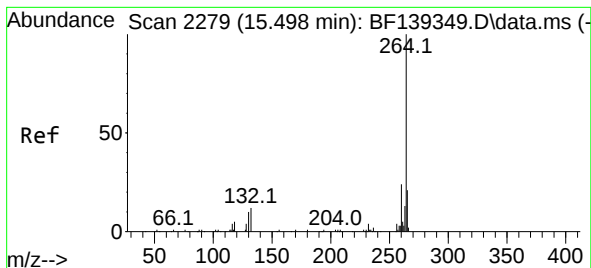
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#83
Chrysene
Concen: 3.588 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Tgt Ion:228 Resp: 16095
Ion Ratio Lower Upper
228 100
226 36.9 24.1 36.1#
229 34.6 15.4 23.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139388.D

Acq: 16 Sep 2024 19:48

Instrument :

BNA_F

ClientSampleId :

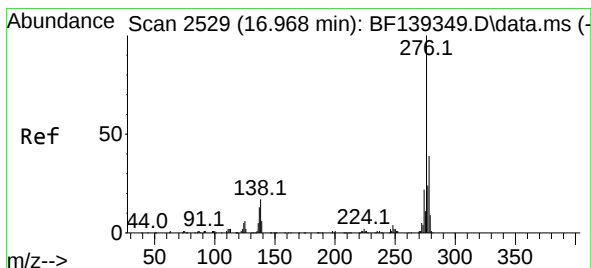
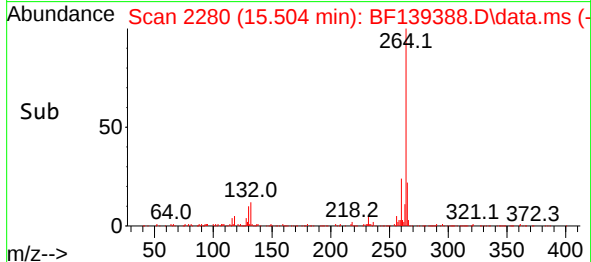
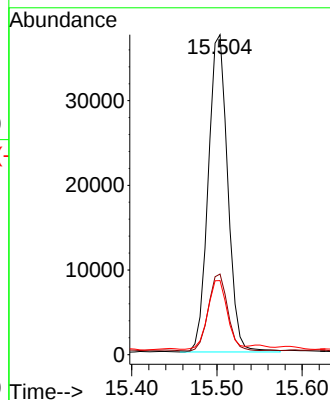
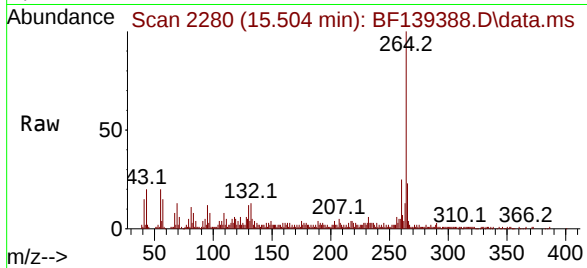
TR-04-091124

Tgt Ion:	264	Resp:	5958
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.5	29.3
265	23.2	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.052 ng

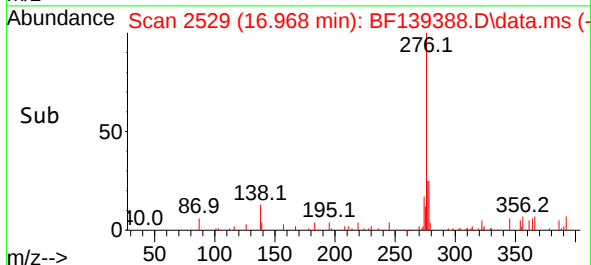
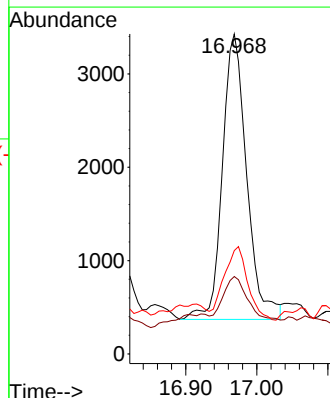
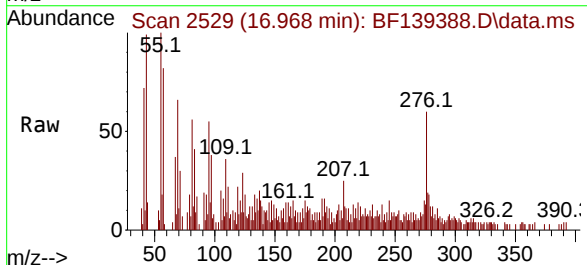
RT: 16.968 min Scan# 2529

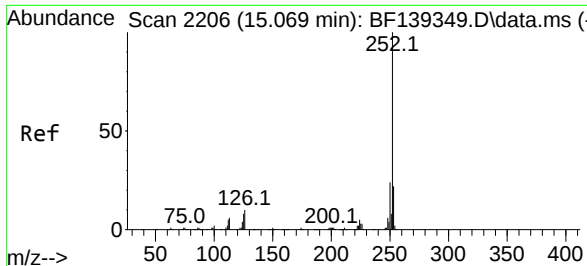
Delta R.T. -0.000 min

Lab File: BF139388.D

Acq: 16 Sep 2024 19:48

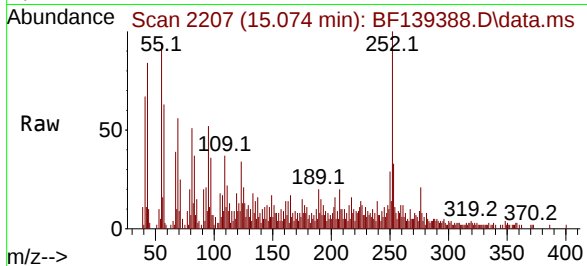
Tgt Ion:	276	Resp:	7271
Ion Ratio	Lower	Upper	
276	100		
138	14.6	15.4	23.2
277	25.2	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 4.340 ng m
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

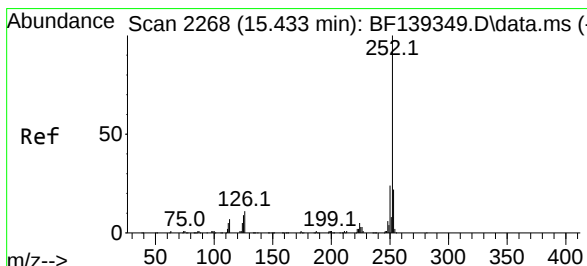
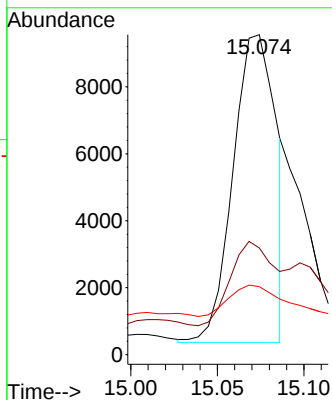
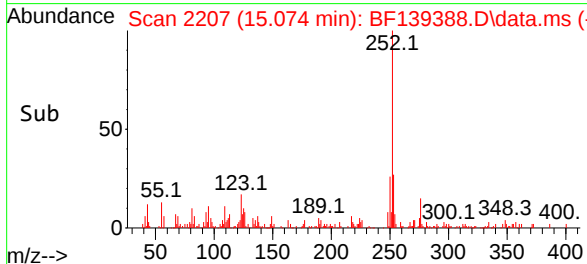
Instrument :
BNA_F
ClientSampleId :
TR-04-091124



Tgt Ion:252 Resp: 15949
Ion Ratio Lower Upper
252 100
253 33.3 17.6 26.4#
125 21.3 6.2 9.2#

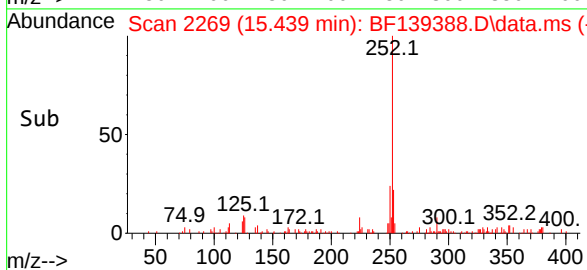
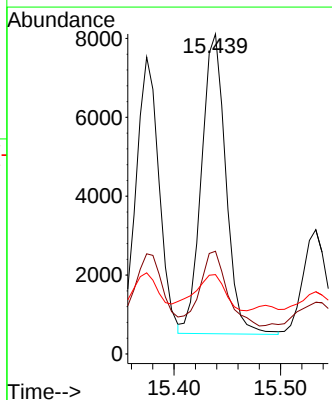
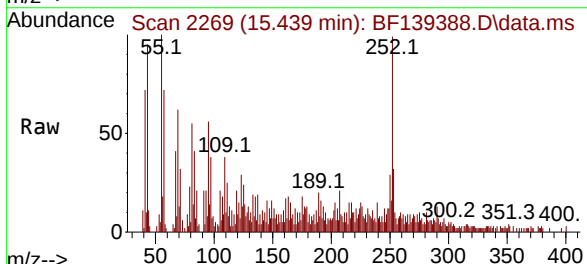
Manual Integrations
APPROVED

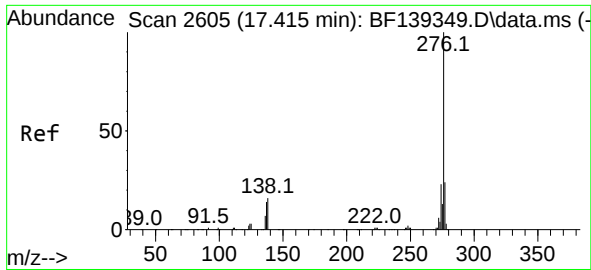
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#90
Benzo(a)pyrene
Concen: 3.968 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Tgt Ion:252 Resp: 12093
Ion Ratio Lower Upper
252 100
253 32.1 17.3 25.9#
125 24.8 6.8 10.2#





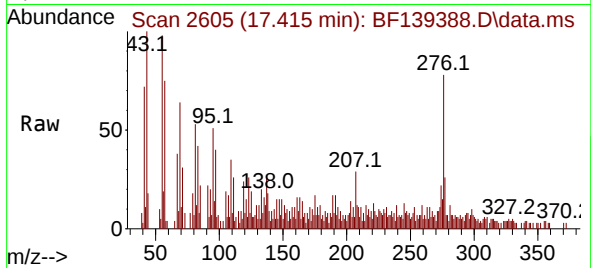
#92
Benzo(g,h,i)perylene
Concen: 3.171 ng
RT: 17.415 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF139388.D
Acq: 16 Sep 2024 19:48

Instrument :

BNA_F

ClientSampleId :

TR-04-091124



Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.7	18.9	28.3
138	23.4	13.0	19.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

