

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
 Data File : BF139390.D
 Acq On : 16 Sep 2024 20:44
 Operator : RC/JU
 Sample : P3979-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224

Quant Time: Sep 17 01:39:32 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	6.881	152	65717	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	214184	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	96544	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	164012	20.000	ng	0.00
76) Chrysene-d12	14.033	240	83667	20.000	ng	0.00
86) Perylene-d12	15.509	264	75424	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	157038	38.983	ng	0.00
7) Phenol-d6	6.498	99	201320	38.074	ng	0.00
23) Nitrobenzene-d5	7.439	82	131426	28.847	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	36299	35.316	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	215337	31.283	ng	0.00
79) Terphenyl-d14	12.980	244	167223	32.806	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.945	154	13463	2.308	ng	98
58) Fluorene	10.457	166	17678	2.664	ng	97
71) Phenanthrene	11.421	178	224738	28.401	ng	100
72) Anthracene	11.469	178	72922	9.426	ng	98
73) Carbazole	11.627	167	26452	3.572	ng	# 95
75) Fluoranthene	12.610	202	425909	50.402	ng	99
78) Pyrene	12.839	202	374036	52.066	ng	98
81) Benzo(a)anthracene	14.021	228	141666	25.562	ng	95
83) Chrysene	14.057	228	120296	23.593	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	47604	10.614	ng	96
88) Benzo(b)fluoranthene	15.080	252	134048m	28.817	ng	
89) Benzo(k)fluoranthene	15.092	252	51294m	11.960	ng	
90) Benzo(a)pyrene	15.445	252	95637	24.790	ng	# 94
91) Dibenzo(a,h)anthracene	16.986	278	11749	3.170	ng	# 66
92) Benzo(g,h,i)perylene	17.427	276	48658	13.260	ng	98

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

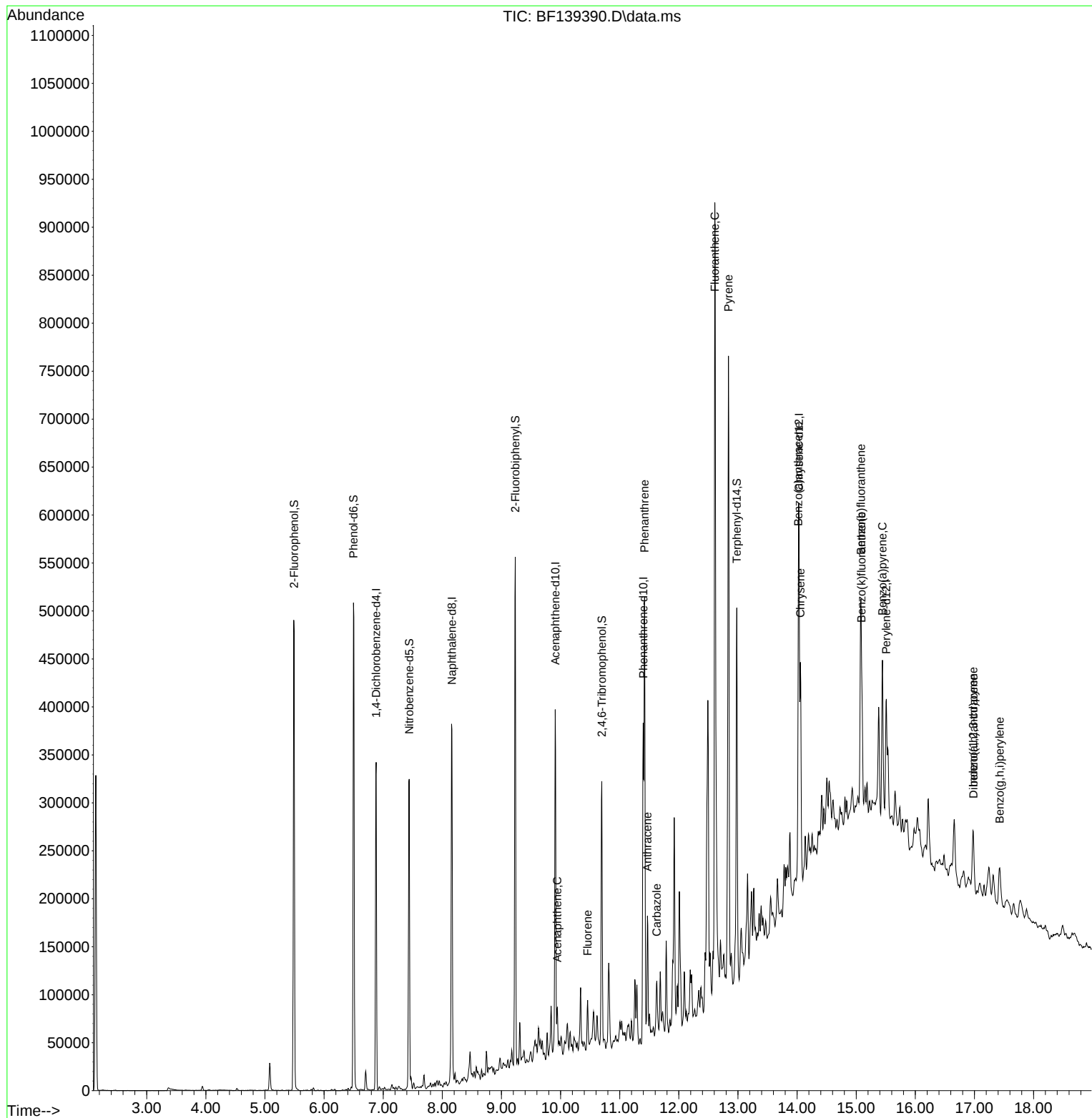
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091624\
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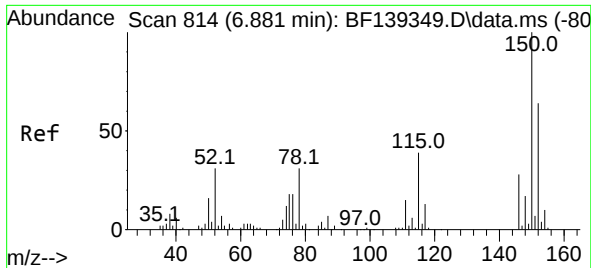
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ClientSampleId :
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Quant Time: Sep 17 01:39:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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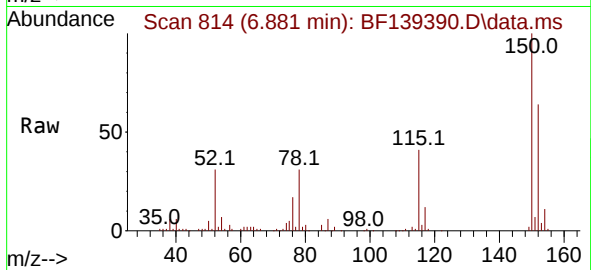
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

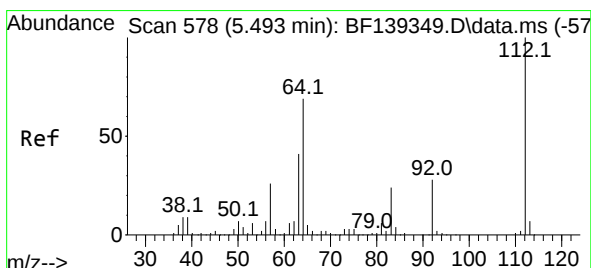
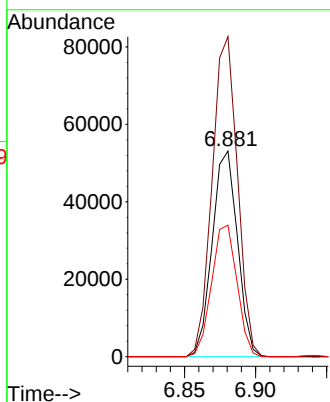
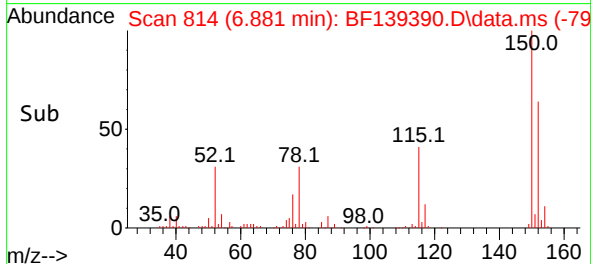
Instrument :
BNA_F
ClientSampleId :
EO-03-091224



Tgt Ion:152 Resp: 6571
Ion Ratio Lower Upper
152 100
150 155.6 124.1 186.1
115 63.9 48.1 72.1

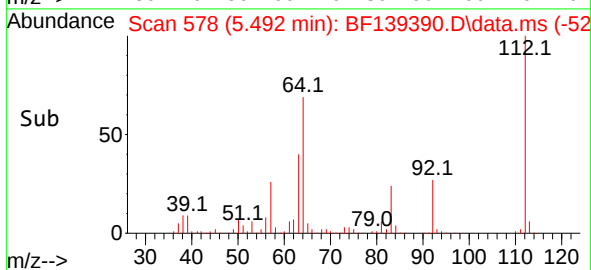
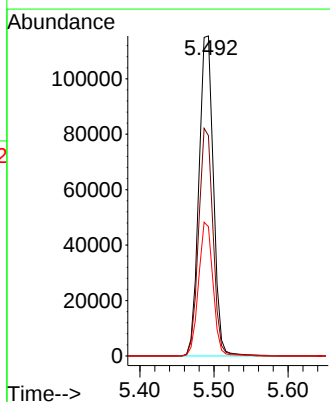
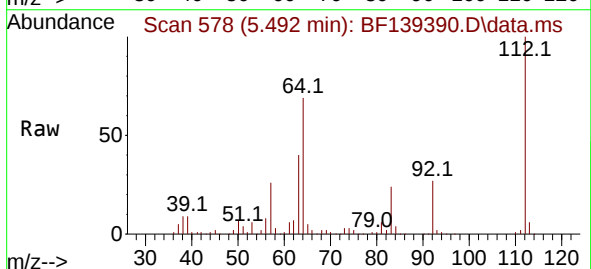
Manual Integrations
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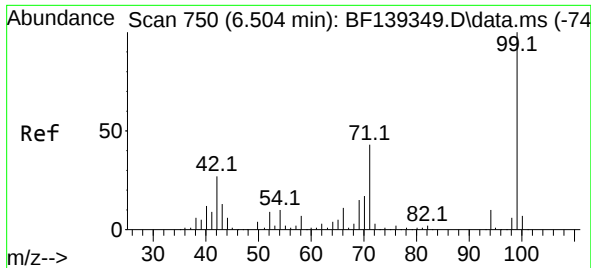
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#5
2-Fluorophenol
Concen: 38.983 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.001 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

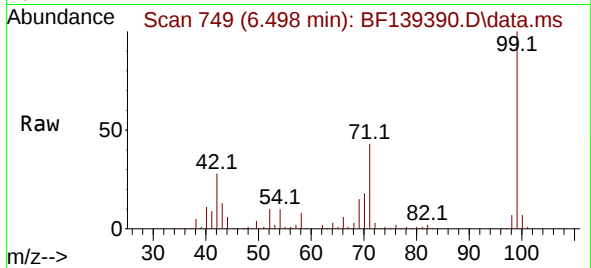
Tgt Ion:112 Resp: 157038
Ion Ratio Lower Upper
112 100
64 68.9 54.8 82.2
63 40.4 33.0 49.4





#7
Phenol-d6
Concen: 38.074 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

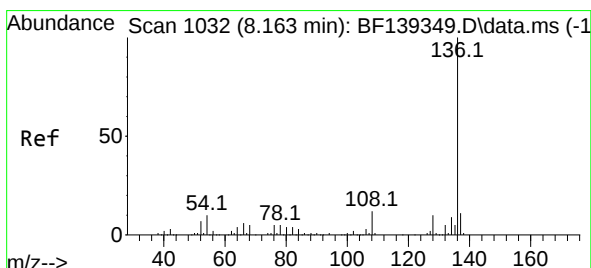
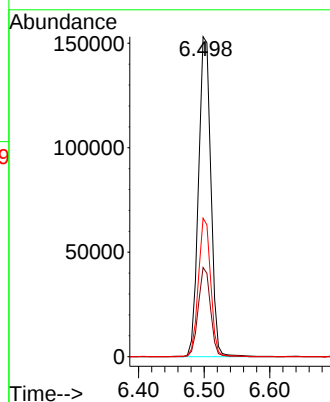
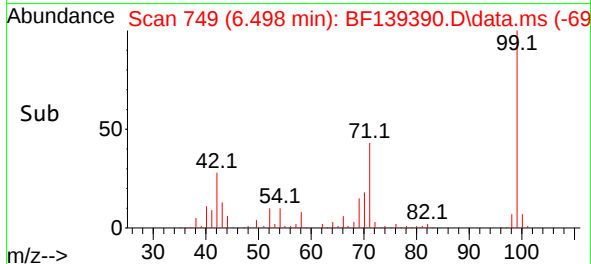
Instrument :
BNA_F
ClientSampleId :
EO-03-091224



Tgt Ion: 99 Resp: 201320
Ion Ratio Lower Upper
99 100
42 27.8 21.9 32.9
71 43.2 34.6 52.0

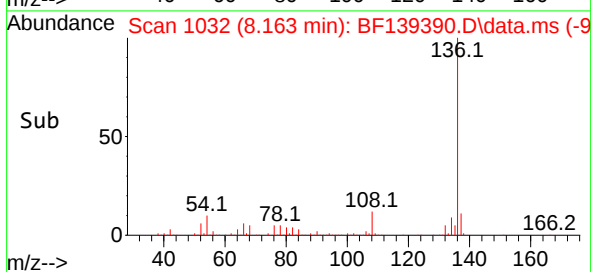
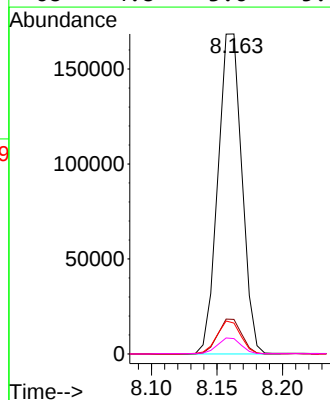
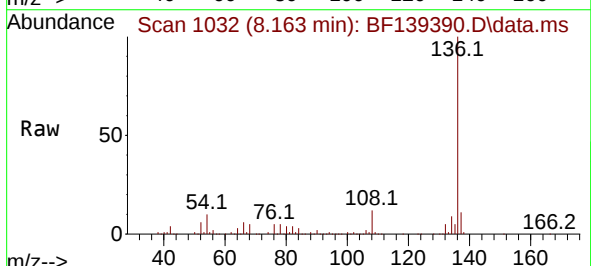
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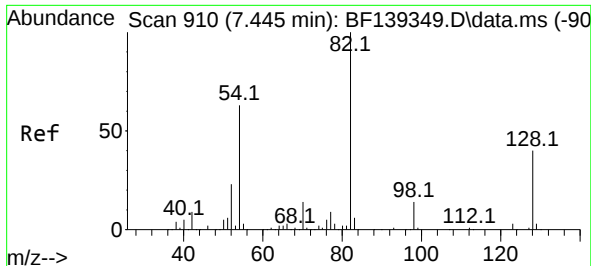
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

Tgt Ion:136 Resp: 214184
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.6 7.8 11.8
68 4.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 28.847 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139390.D

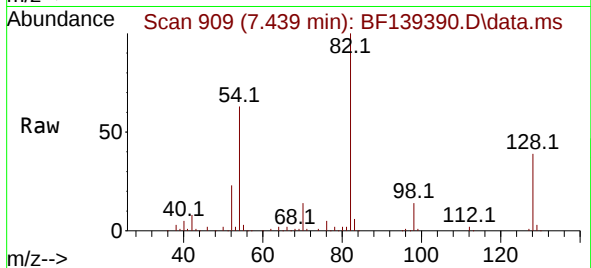
Acq: 16 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

EO-03-091224



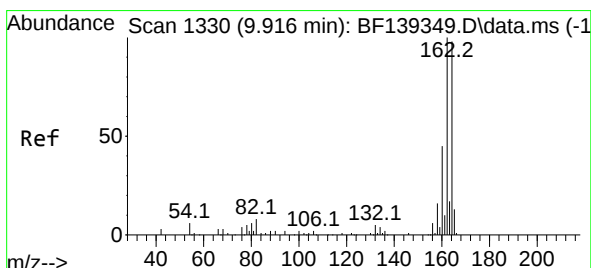
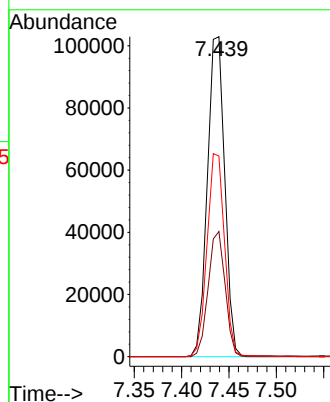
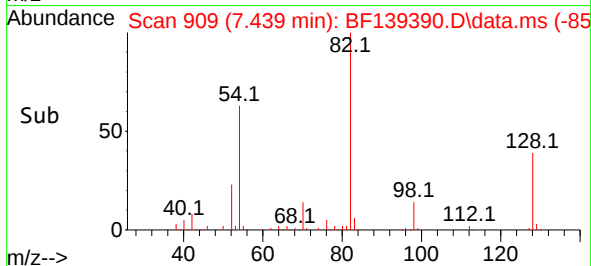
Tgt Ion: 82 Resp: 131420

Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.8	47.6
54	62.7	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

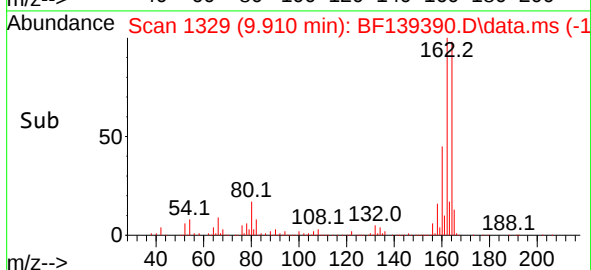
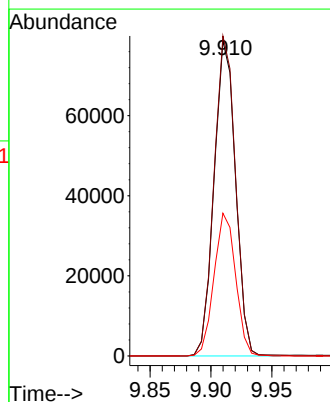
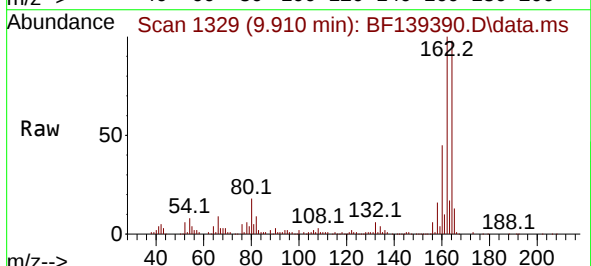
Delta R.T. -0.006 min

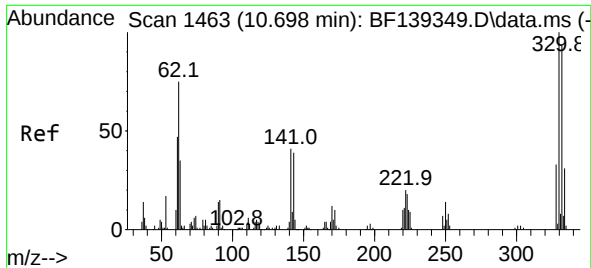
Lab File: BF139390.D

Acq: 16 Sep 2024 20:44

Tgt Ion:164 Resp: 96544

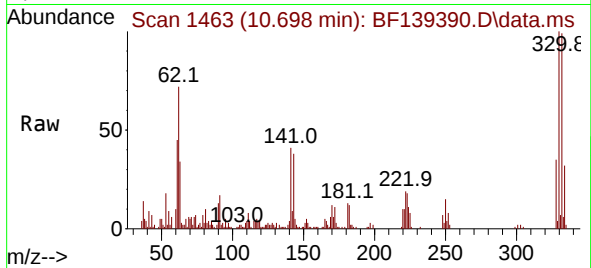
Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.3	121.9
160	45.3	36.4	54.6





#42
2,4,6-Tribromophenol
Concen: 35.316 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

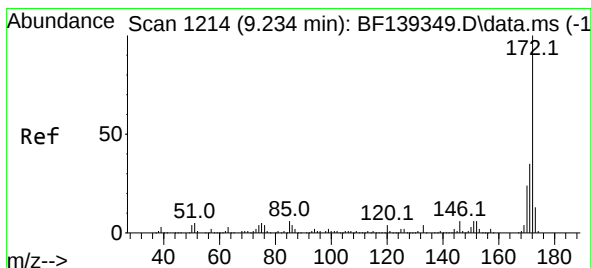
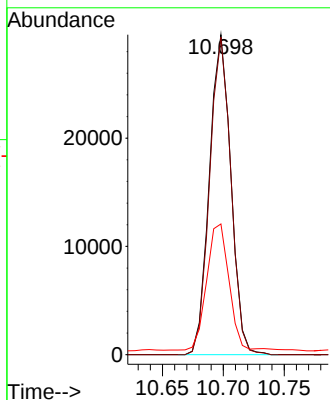
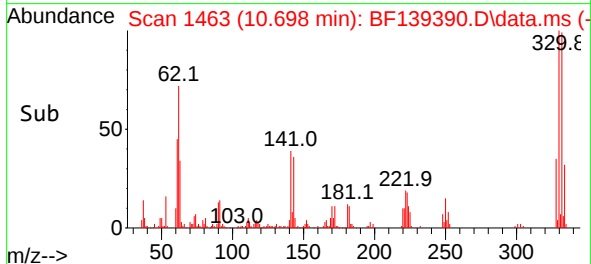
Instrument :
BNA_F
ClientSampleId :
EO-03-091224



Tgt Ion:330 Resp: 36299
Ion Ratio Lower Upper
330 100
332 97.9 75.2 112.8
141 42.1 31.2 46.8

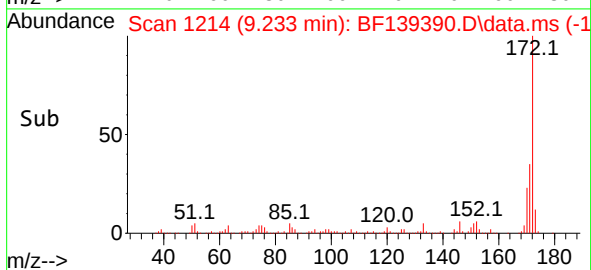
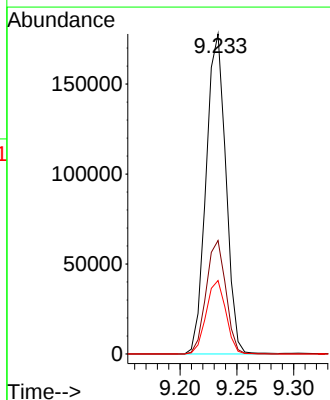
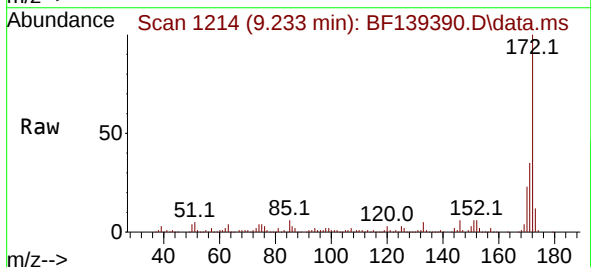
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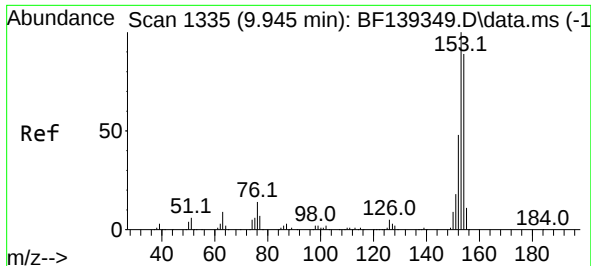
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#45
2-Fluorobiphenyl
Concen: 31.283 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

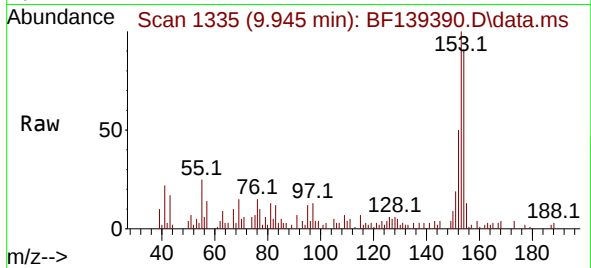
Tgt Ion:172 Resp: 215337
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 22.9 19.0 28.6





#52
Acenaphthene
Concen: 2.308 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

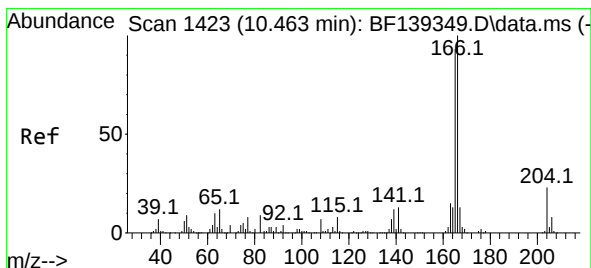
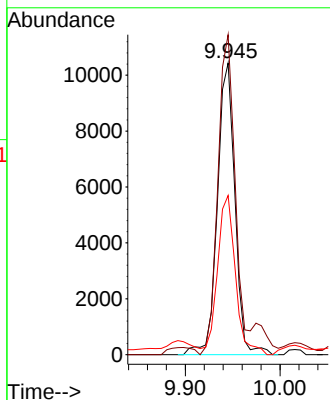
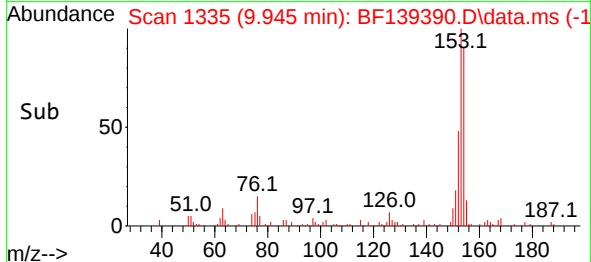
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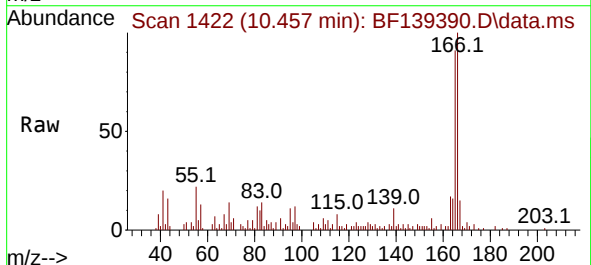
Tgt Ion:154 Resp: 1346
Ion Ratio Lower Upper
154 100
153 109.7 89.5 134.3
152 54.6 42.6 64.0

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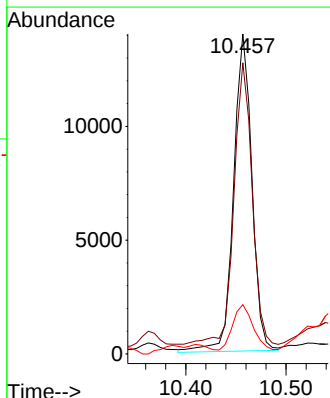
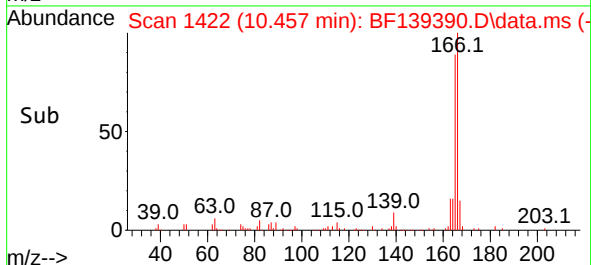
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

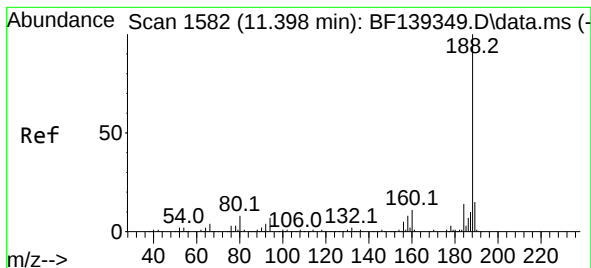


#58
Fluorene
Concen: 2.664 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44



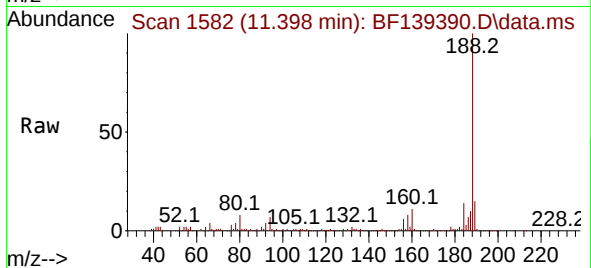
Tgt Ion:166 Resp: 17678
Ion Ratio Lower Upper
166 100
165 91.0 74.5 111.7
167 15.4 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

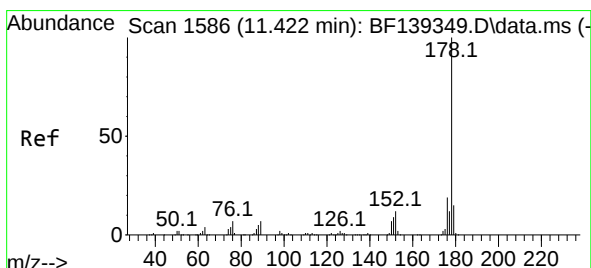
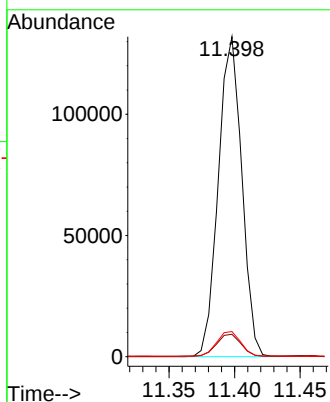
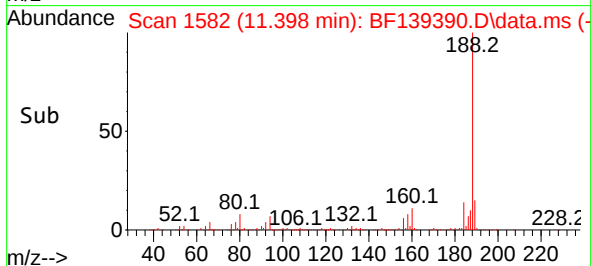
Instrument :
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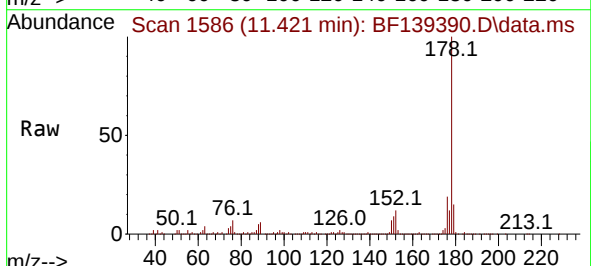
Tgt Ion:188 Resp: 164012
Ion Ratio Lower Upper
188 100
94 7.0 5.5 8.3
80 7.9 6.6 9.8

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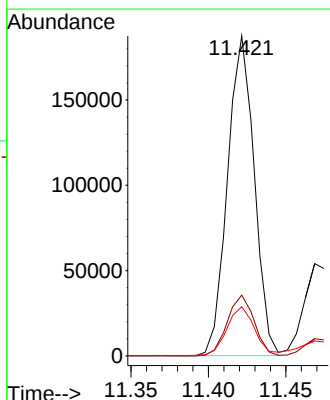
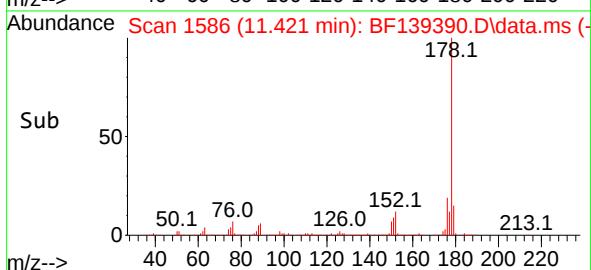
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024

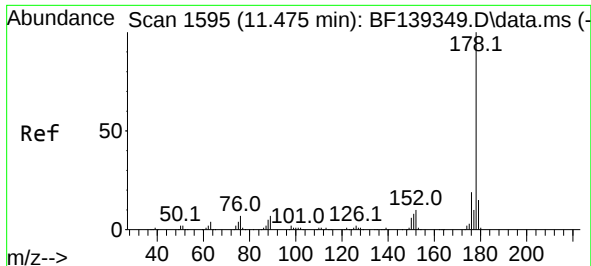


#71
Phenanthrene
Concen: 28.401 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44



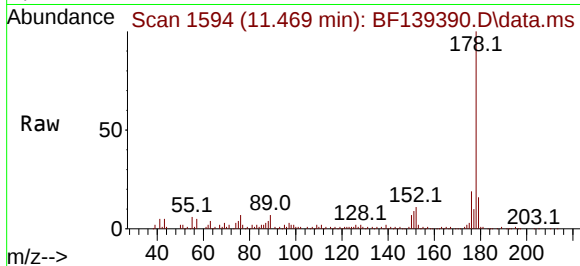
Tgt Ion:178 Resp: 224738
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.4 12.2 18.4





#72
 Anthracene
 Concen: 9.426 ng
 RT: 11.469 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

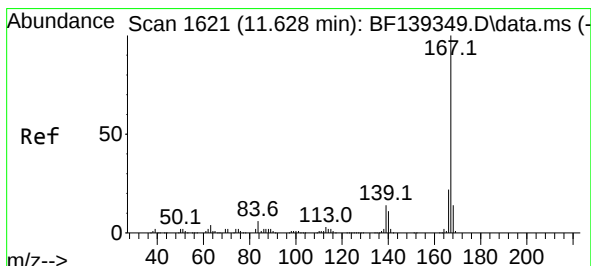
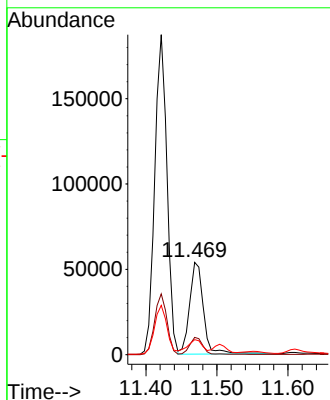
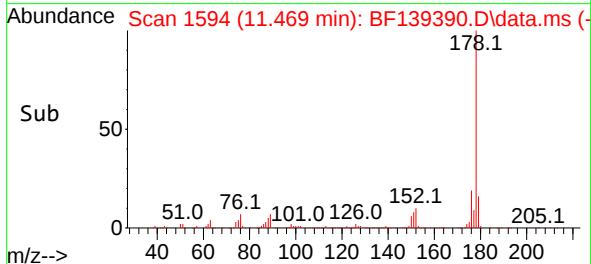
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-091224



Tgt Ion:178 Resp: 7292
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 16.4 12.0 18.0

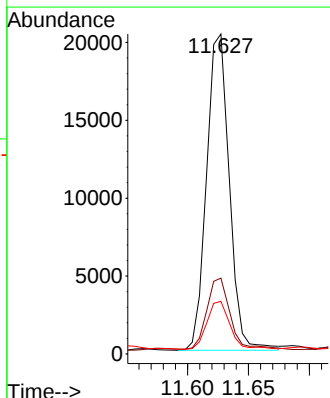
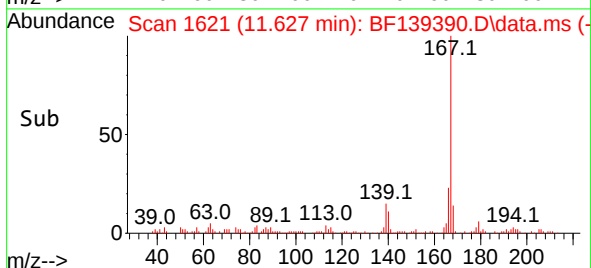
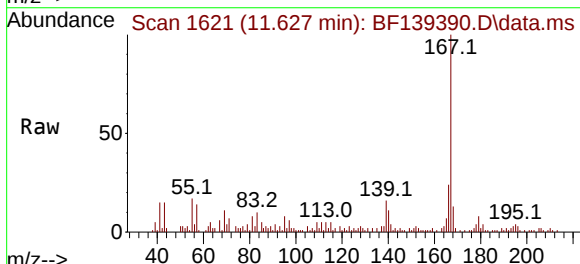
Manual Integrations
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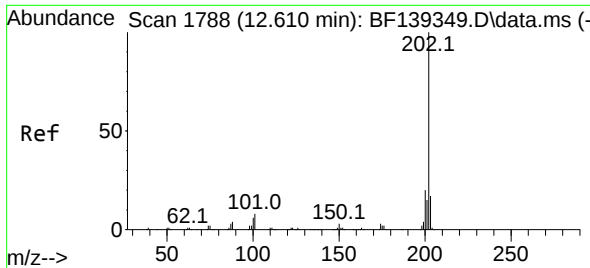
Reviewed By :Jagrut Upadhyay 09/17/2024
 Supervised By :mohammad ahmed 09/19/2024



#73
 Carbazole
 Concen: 3.572 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139390.D
 Acq: 16 Sep 2024 20:44

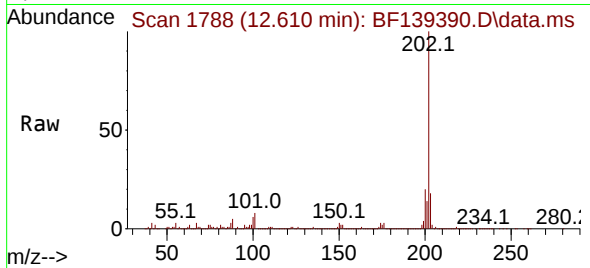
Tgt Ion:167 Resp: 26452
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.5 26.3
 139 16.5 10.9 16.3#





#75
Fluoranthene
Concen: 50.402 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

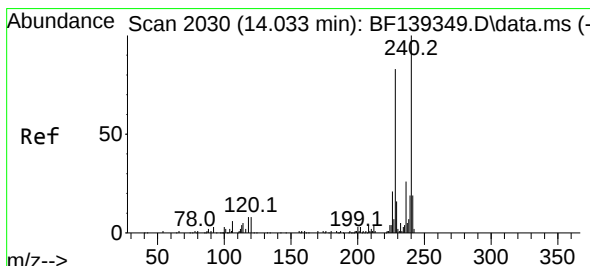
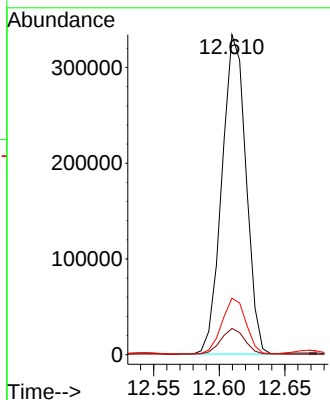
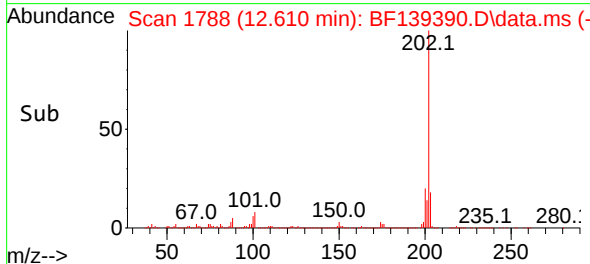
Instrument :
BNA_F
ClientSampleId :
EO-03-091224



Tgt Ion:202 Resp: 425909
Ion Ratio Lower Upper
202 100
101 8.2 0.0 27.7
203 17.6 0.0 37.4

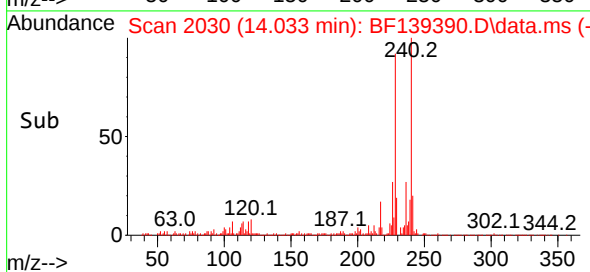
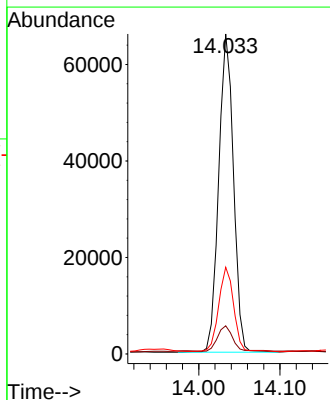
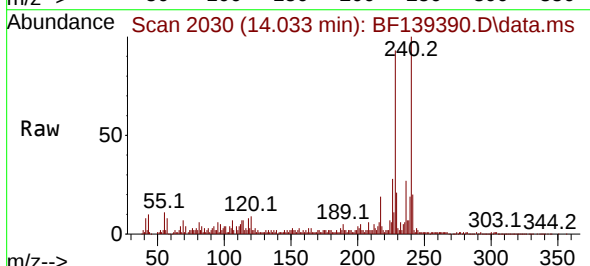
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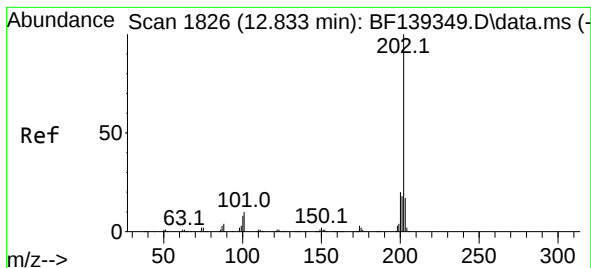
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

Tgt Ion:240 Resp: 83667
Ion Ratio Lower Upper
240 100
120 8.8 6.2 9.2
236 27.1 20.9 31.3





#78

Pyrene

Concen: 52.066 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139390.D

Acq: 16 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

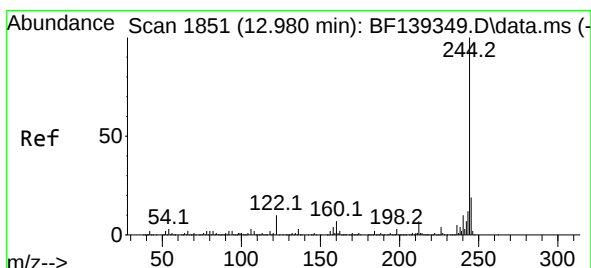
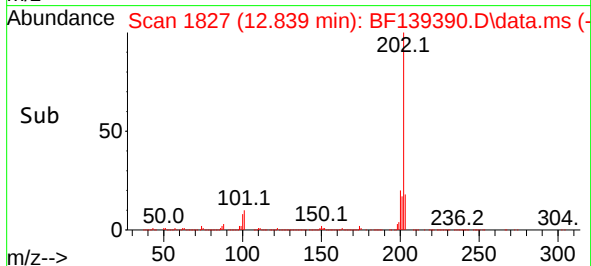
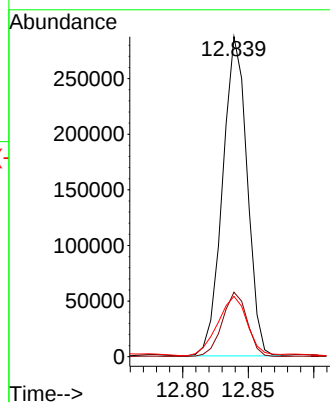
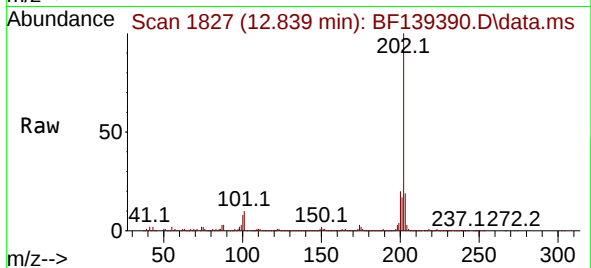
EO-03-091224

Tgt Ion:202 Resp: 374036
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.2 24.2
 203 18.8 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: 32.806 ng

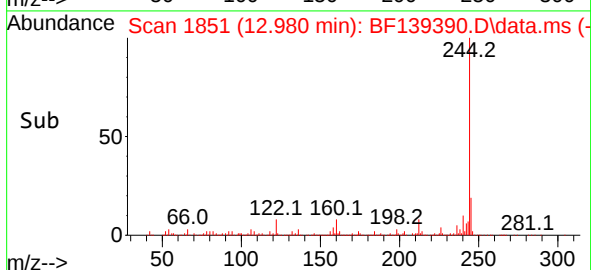
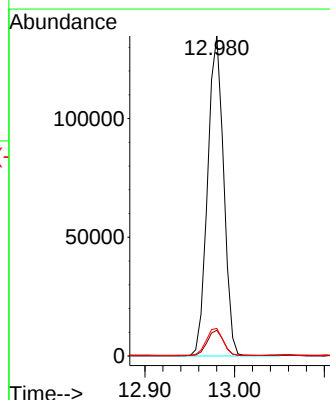
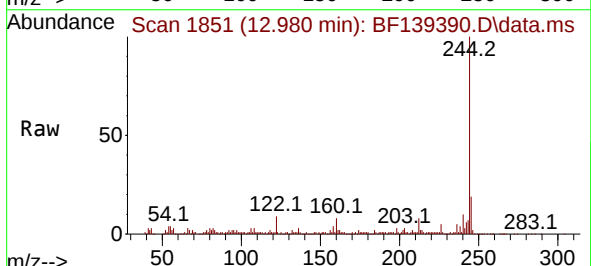
RT: 12.980 min Scan# 1851

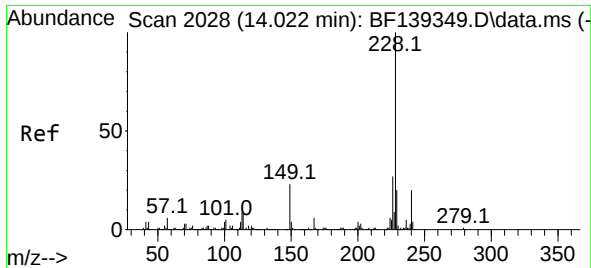
Delta R.T. -0.000 min

Lab File: BF139390.D

Acq: 16 Sep 2024 20:44

Tgt Ion:244 Resp: 167223
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 8.6 7.6 11.4





#81
Benzo(a)anthracene
Concen: 25.562 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

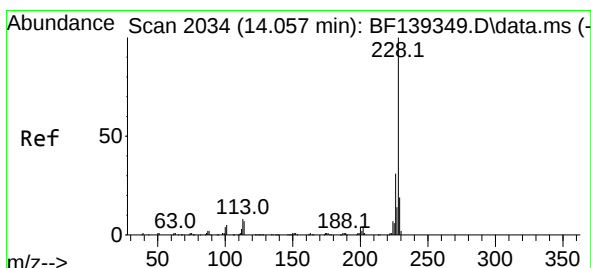
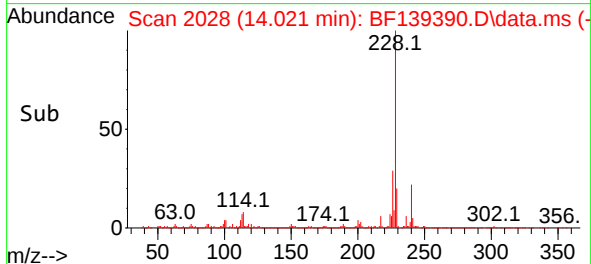
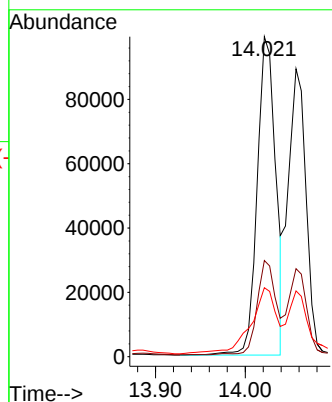
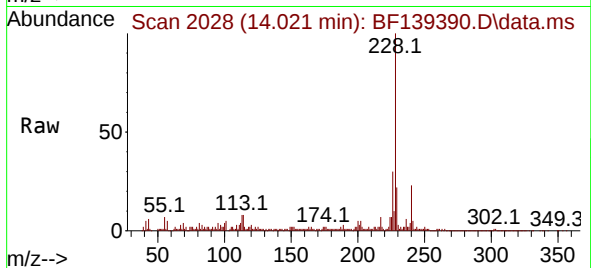
EO-03-091224

Tgt Ion:228 Resp: 141660
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.5 15.7 23.5

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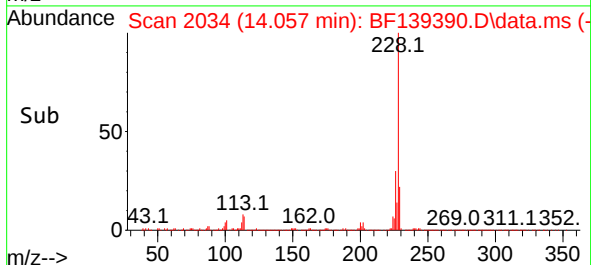
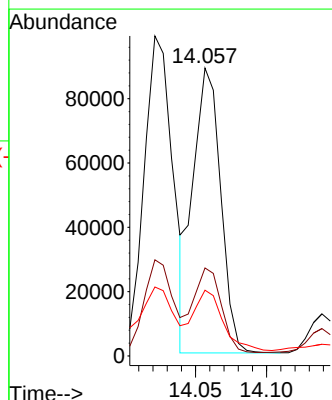
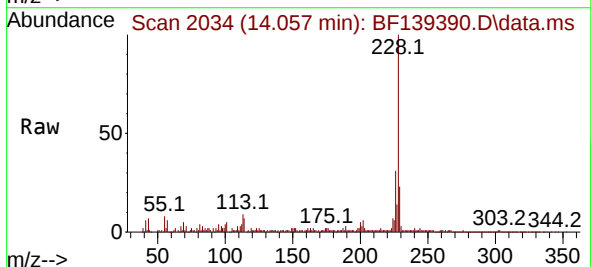
APPROVED

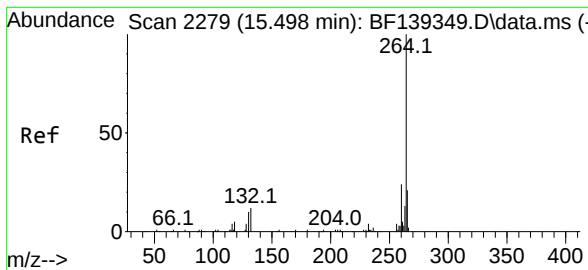
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#83
Chrysene
Concen: 23.593 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

Tgt Ion:228 Resp: 120296
Ion Ratio Lower Upper
228 100
226 30.6 24.1 36.1
229 22.8 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

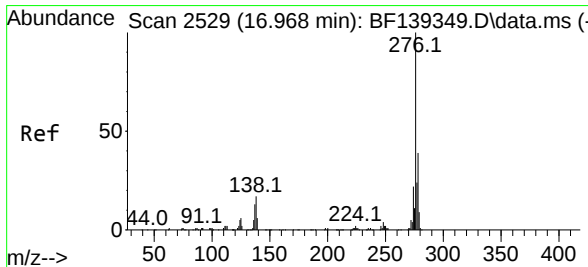
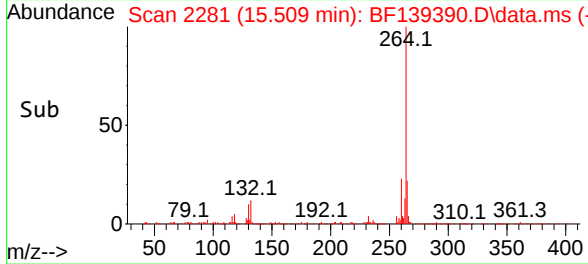
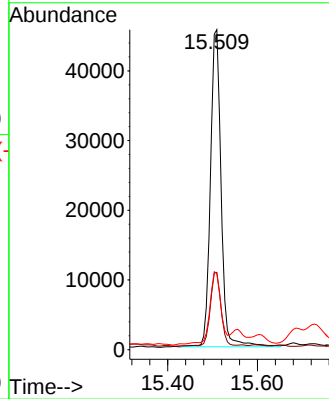
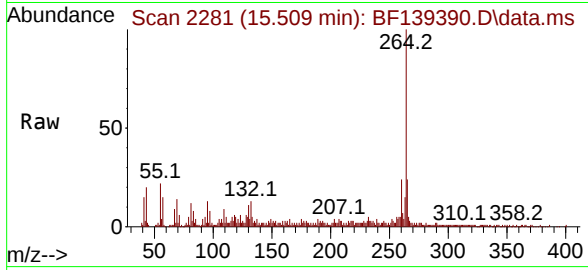
EO-03-091224

Tgt Ion:264 Resp: 75424
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 23.8 16.6 25.0

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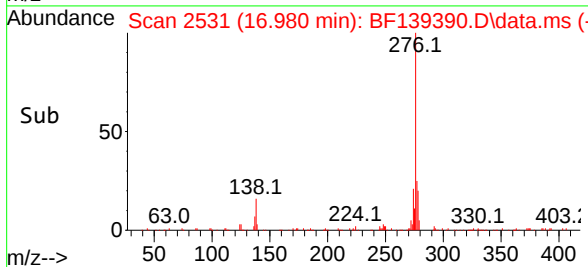
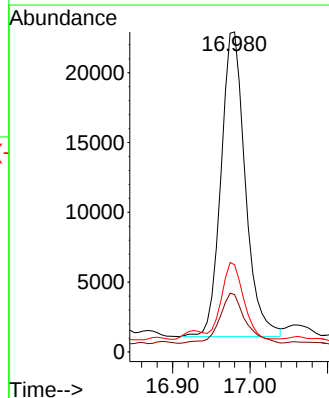
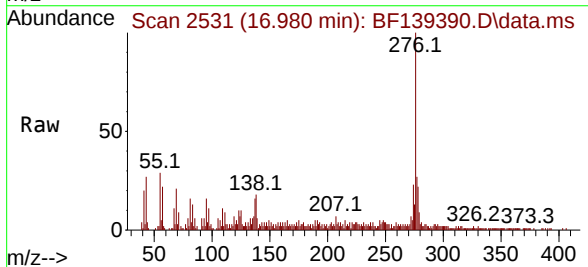
APPROVED

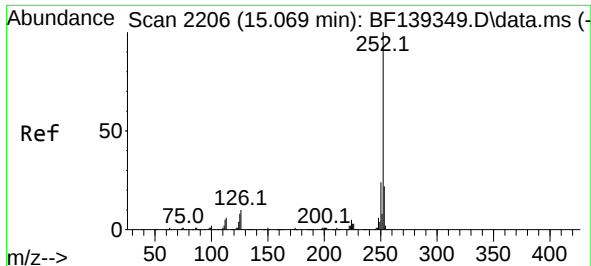
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.614 ng
RT: 16.980 min Scan# 2531
Delta R.T. 0.012 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

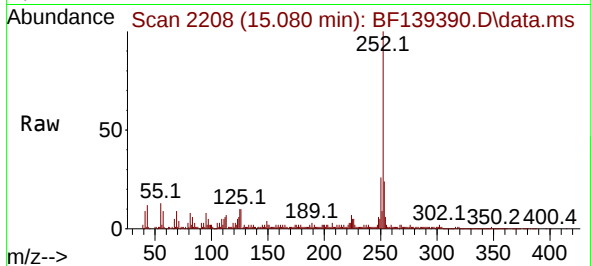
Tgt Ion:276 Resp: 47604
Ion Ratio Lower Upper
276 100
138 18.3 15.4 23.2
277 22.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 28.817 ng m
RT: 15.080 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

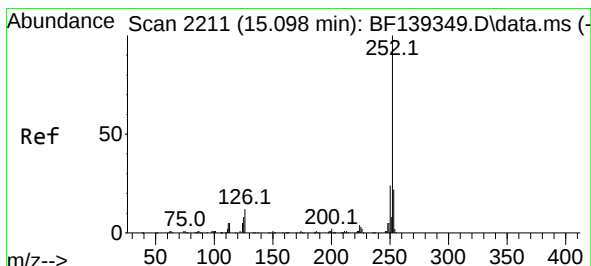
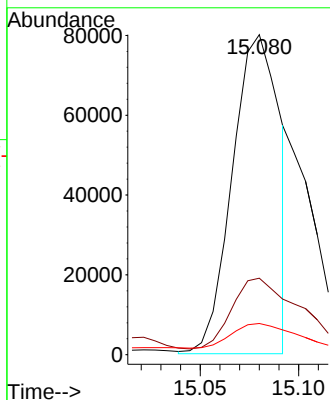
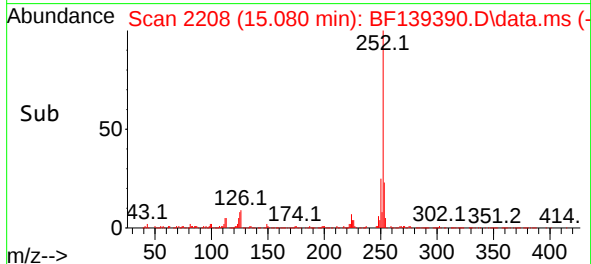
Instrument :
BNA_F
ClientSampleId :
EO-03-091224



Tgt Ion:252 Resp: 134048
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 9.8 6.2 9.2

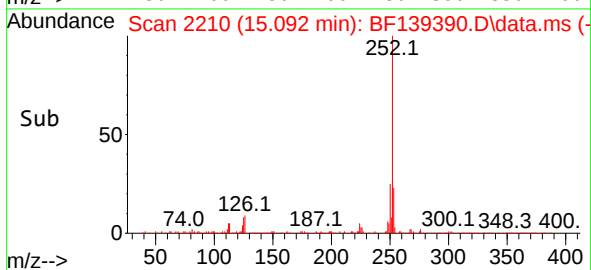
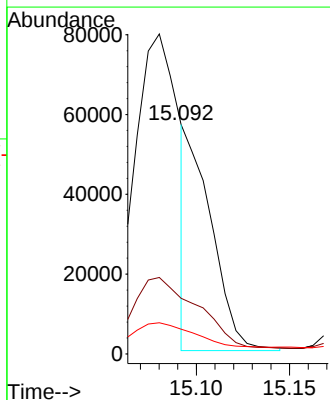
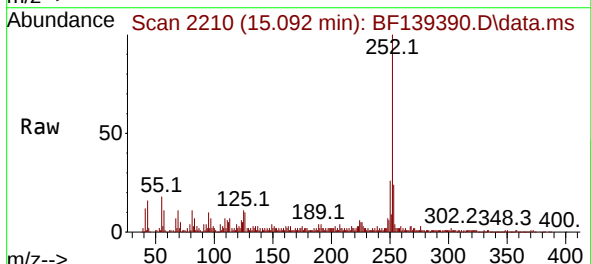
Manual Integrations
APPROVED

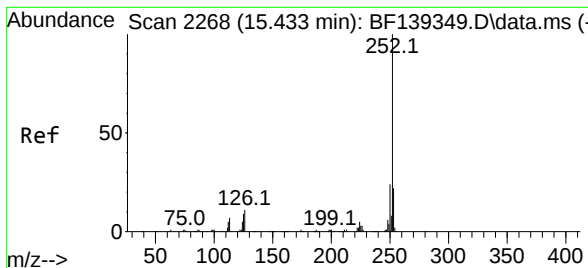
Reviewed By :Jagrut Upadhyay 09/17/2024
Supervised By :mohammad ahmed 09/19/2024



#89
Benzo(k)fluoranthene
Concen: 11.960 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

Tgt Ion:252 Resp: 51294
Ion Ratio Lower Upper
252 100
253 24.3 17.3 25.9
125 10.8 5.9 8.9





#90

Benzo(a)pyrene

Concen: 24.790 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139390.D

Acq: 16 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

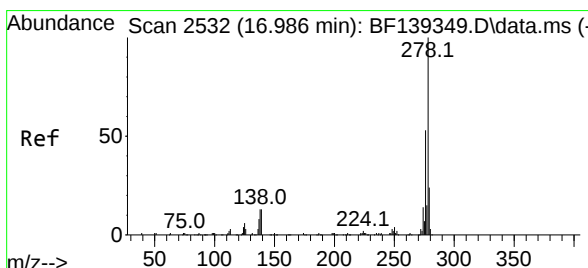
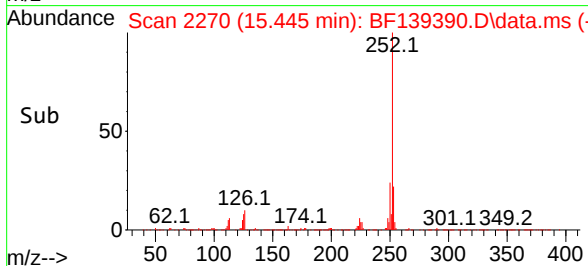
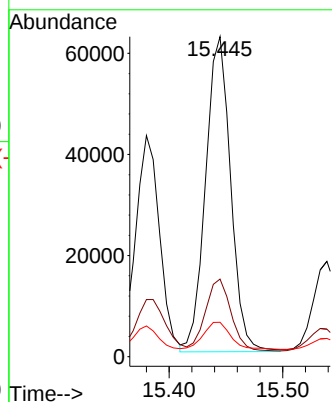
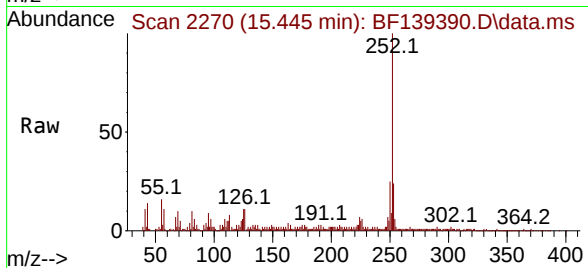
EO-03-091224

Tgt Ion:252 Resp: 9563
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.3 25.9
 125 10.7 6.8 10.2

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 3.170 ng

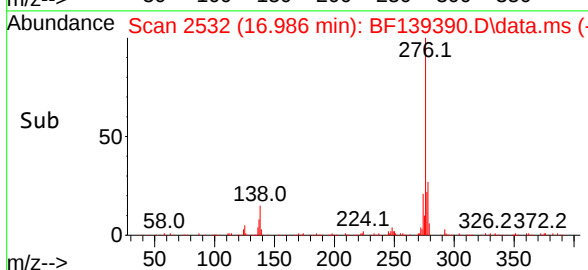
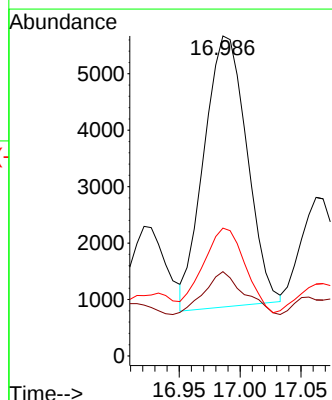
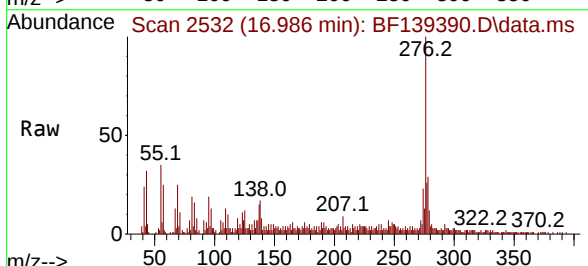
RT: 16.986 min Scan# 2532

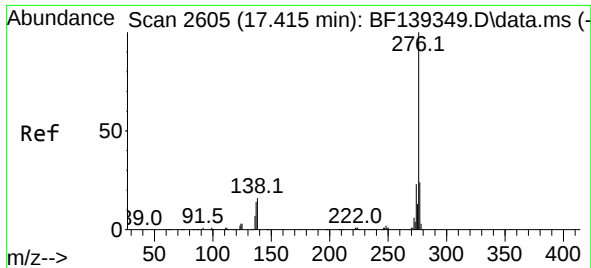
Delta R.T. -0.000 min

Lab File: BF139390.D

Acq: 16 Sep 2024 20:44

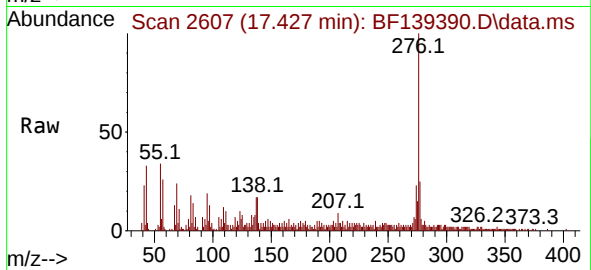
Tgt Ion:278 Resp: 11749
 Ion Ratio Lower Upper
 278 100
 139 26.3 10.2 15.2#
 279 39.9 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 13.260 ng
RT: 17.427 min Scan# 207
Delta R.T. 0.012 min
Lab File: BF139390.D
Acq: 16 Sep 2024 20:44

Instrument :
BNA_F
ClientSampleId :
EO-03-091224



Tgt Ion: 276 Resp: 48658
Ion Ratio Lower Upper
276 100
277 24.9 18.9 28.3
138 17.2 13.0 19.6

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

