

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139044.D
 Acq On : 16 Aug 2024 02:19
 Operator : RC/JU
 Sample : P3597-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

Quant Time: Aug 16 02:55:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	41768	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	163256	20.000	ng	-0.01
39) Acenaphthene-d10	9.863	164	79178	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	110029	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	80875	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	69878	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	234337	86.606	ng	0.00
7) Phenol-d6	6.481	99	314484	86.568	ng	0.00
23) Nitrobenzene-d5	7.398	82	207538	62.153	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	48193	74.306	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	333563	63.298	ng	-0.02
79) Terphenyl-d14	12.933	244	243293	50.366	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.416	166	10632	2.151	ng	97
71) Phenanthrene	11.380	178	185485	32.739	ng	100
72) Anthracene	11.433	178	48514	8.692	ng	99
75) Fluoranthene	12.569	202	259055	48.978	ng	98
78) Pyrene	12.798	202	213002	27.973	ng	99
81) Benzo(a)anthracene	13.986	228	124730	22.396	ng	98
83) Chrysene	14.021	228	89272	17.767	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	27099	5.411	ng	# 93
88) Benzo(b)fluoranthene	15.039	252	88093m	20.337	ng	
89) Benzo(k)fluoranthene	15.051	252	37241m	9.930	ng	
90) Benzo(a)pyrene	15.404	252	62946	17.276	ng	98
92) Benzo(g,h,i)perylene	17.386	276	22098	5.180	ng	# 91

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

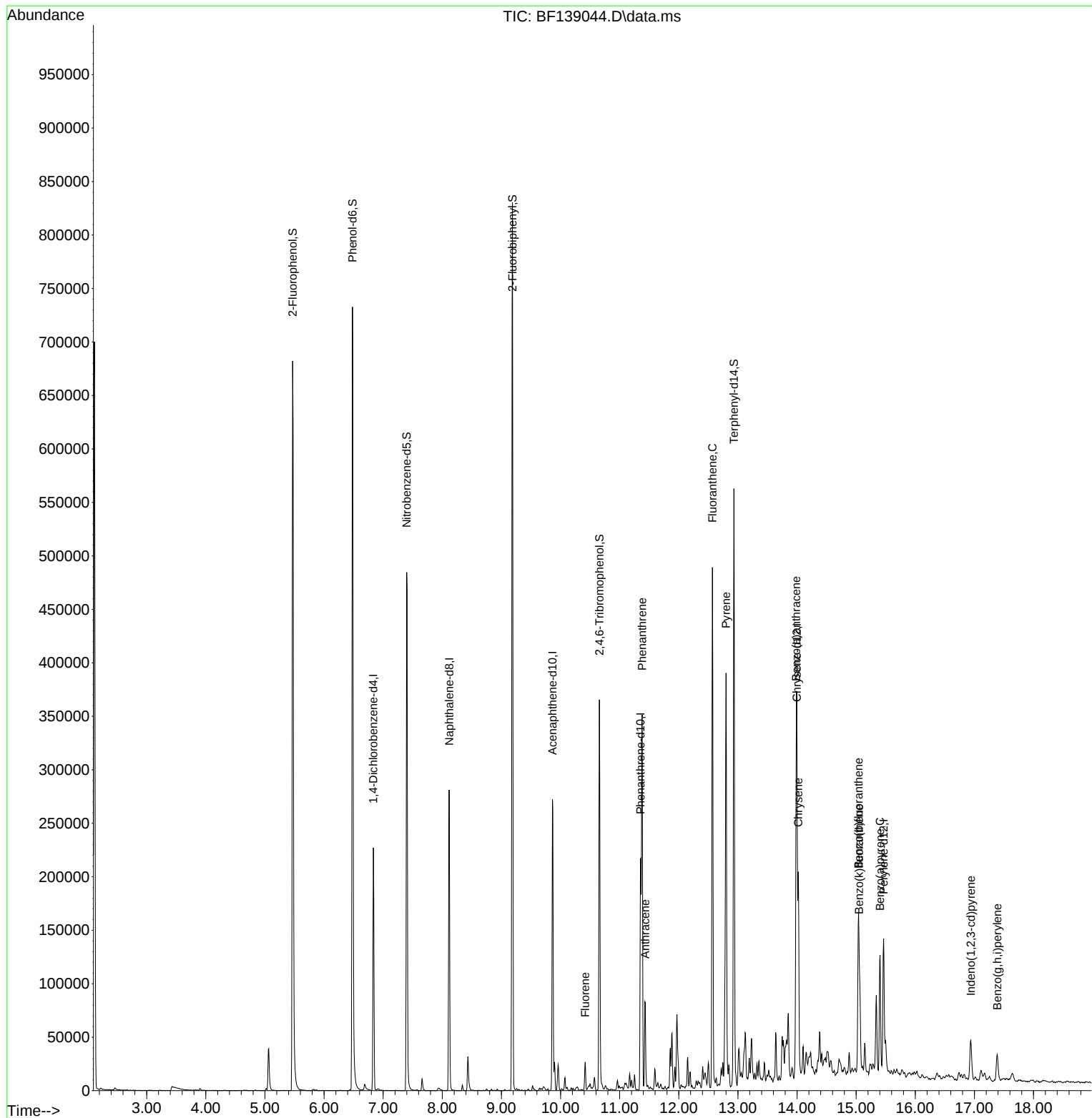
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
Data File : BF139044.D
Acq On : 16 Aug 2024 02:19
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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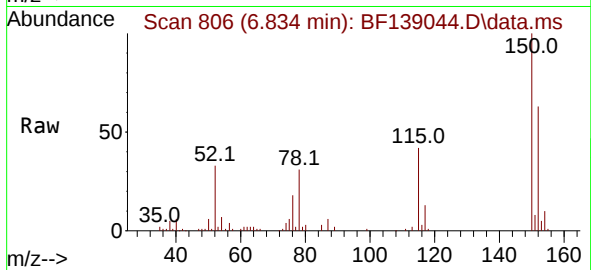
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

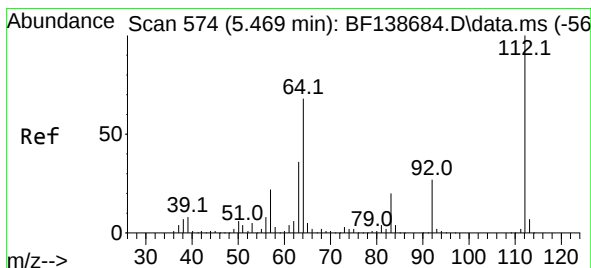
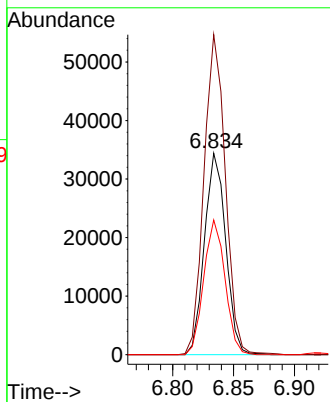
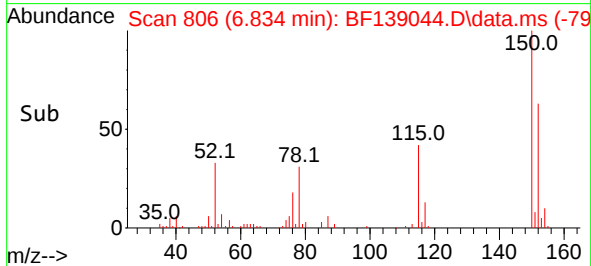
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion:152 Resp: 41768
Ion Ratio Lower Upper
152 100
150 158.9 126.0 189.0
115 66.9 51.7 77.5

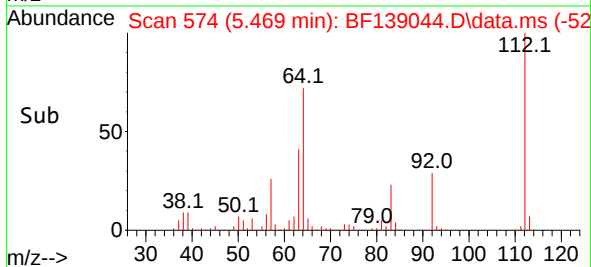
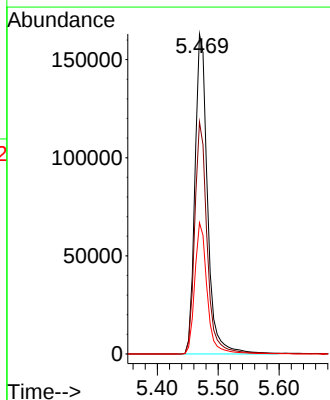
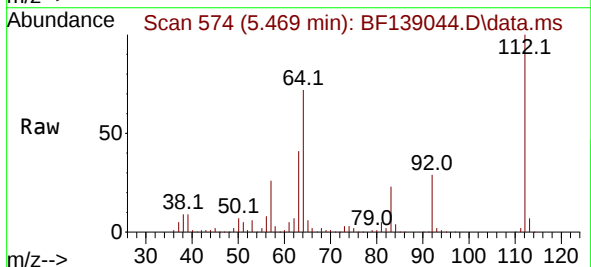
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Supervised By :mohammad ahmed 08/17/2024



#5
2-Fluorophenol
Concen: 86.606 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

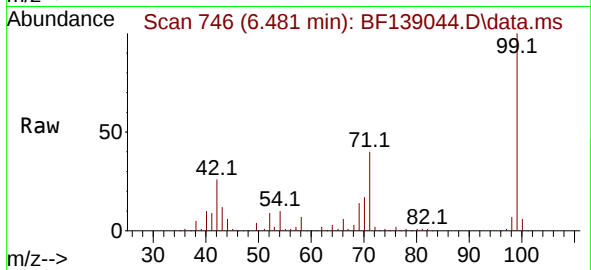
Tgt Ion:112 Resp: 234337
Ion Ratio Lower Upper
112 100
64 72.5 54.2 81.4
63 41.0 28.7 43.1





#7
Phenol-d6
Concen: 86.568 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

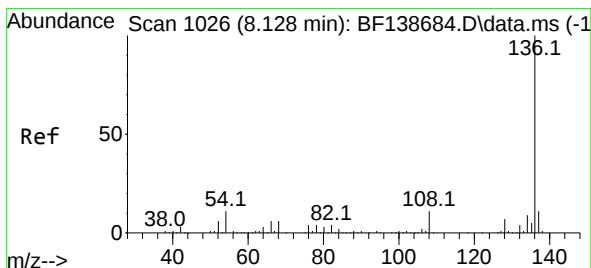
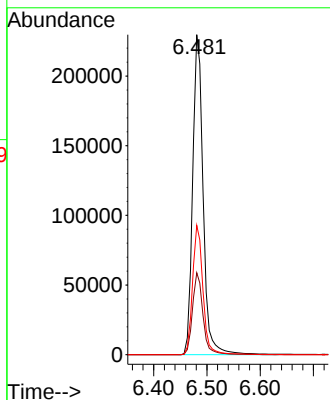
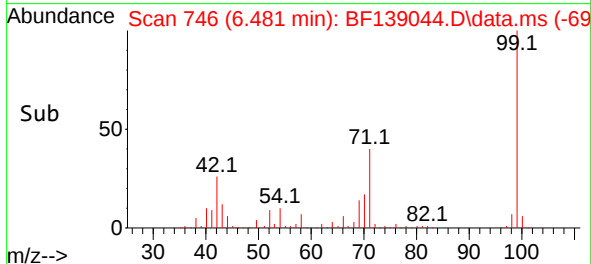
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion: 99 Resp: 314484
Ion Ratio Lower Upper
99 100
42 25.6 17.4 26.0
71 40.4 28.1 42.1

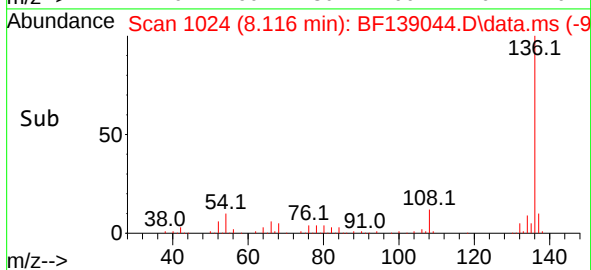
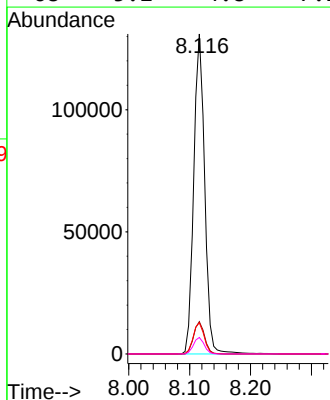
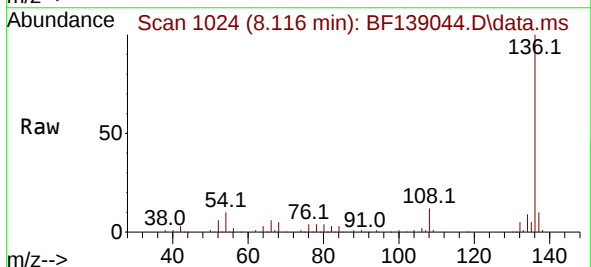
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Supervised By :mohammad ahmed 08/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:136 Resp: 163256
Ion Ratio Lower Upper
136 100
137 10.1 8.9 13.3
54 9.7 8.6 12.8
68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 62.153 ng

RT: 7.398 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

SP-1-COMP

Tgt Ion: 82 Resp: 207538

Ion Ratio Lower Upper

82 100

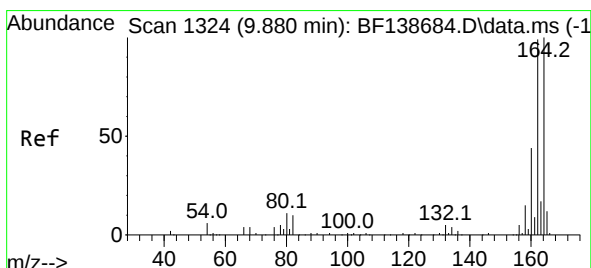
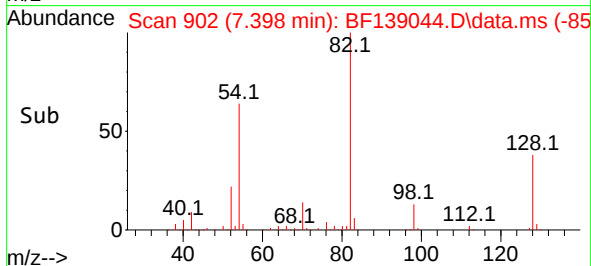
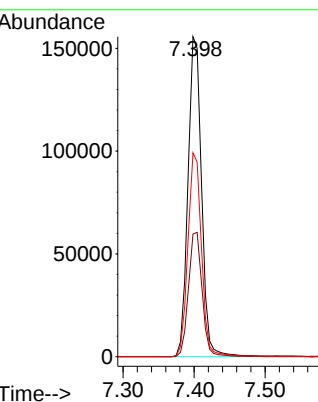
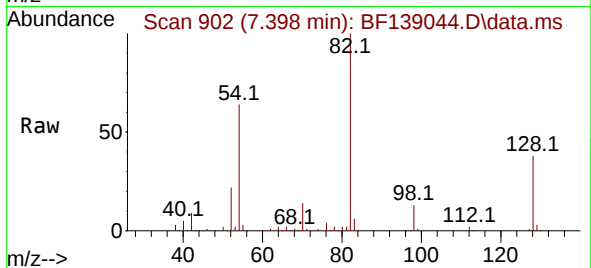
128 38.4 32.8 49.2

54 63.7 48.3 72.5

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Supervised By :mohammad ahmed 08/17/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.017 min

Lab File: BF139044.D

Acq: 16 Aug 2024 02:19

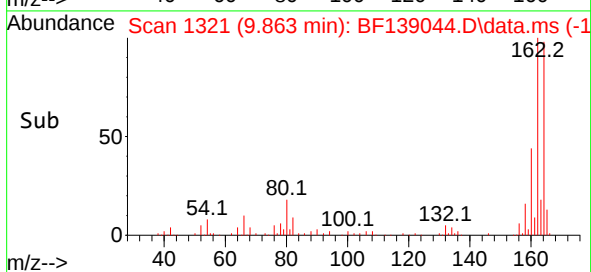
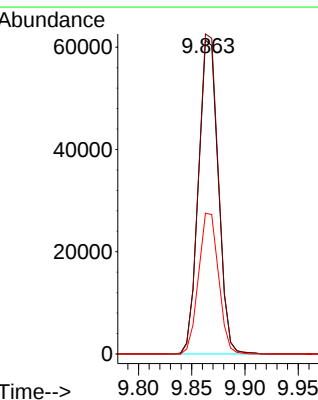
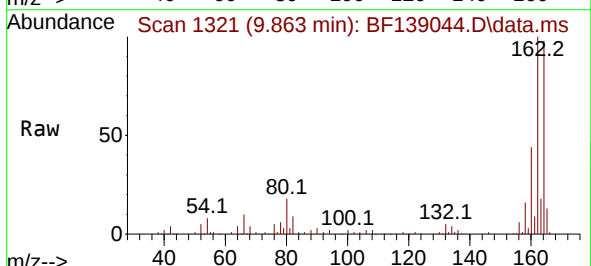
Tgt Ion:164 Resp: 79178

Ion Ratio Lower Upper

164 100

162 102.0 79.4 119.0

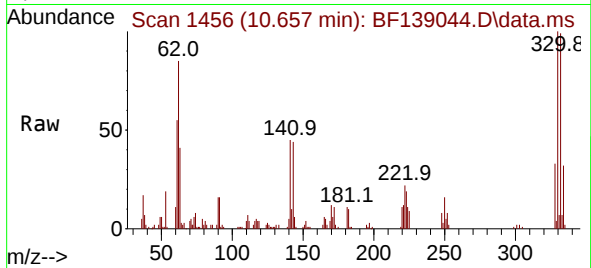
160 44.9 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 74.306 ng
RT: 10.657 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

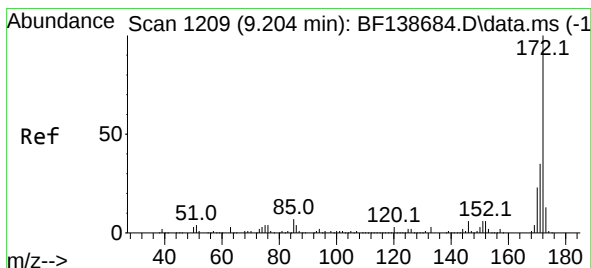
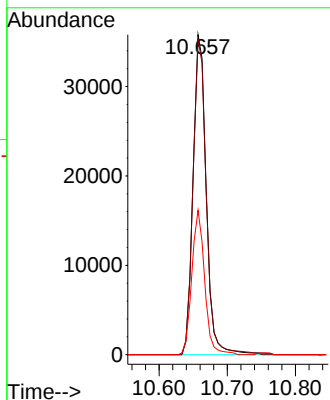
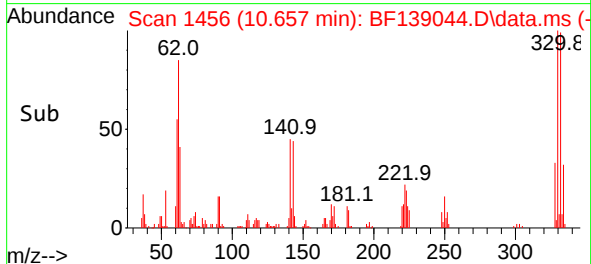
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion: 330 Resp: 4819
Ion Ratio Lower Upper
330 100
332 98.5 76.4 114.6
141 43.7 31.1 46.7

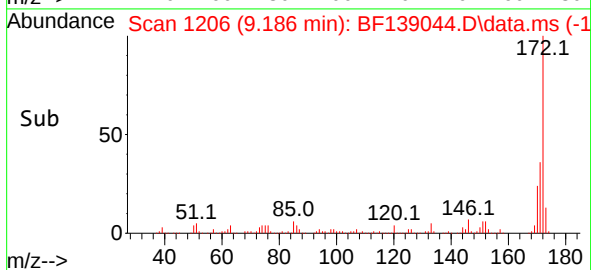
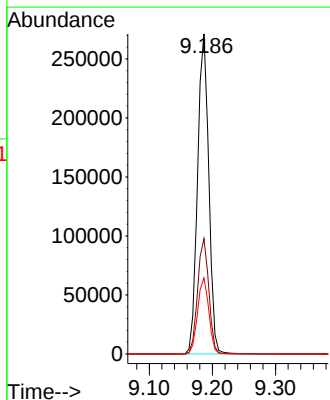
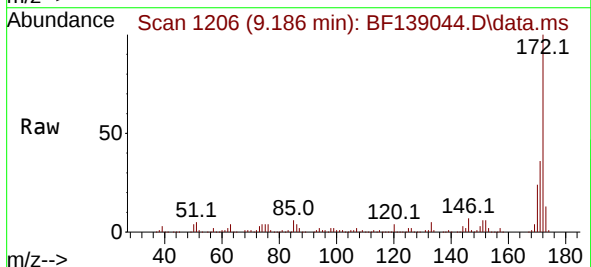
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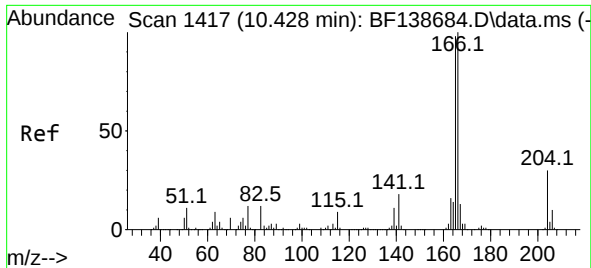
Reviewed By : Jagrut Upadhyay 08/16/2024
Supervised By : mohammad ahmed 08/17/2024



#45
2-Fluorobiphenyl
Concen: 63.298 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion: 172 Resp: 333563
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 23.8 18.8 28.2





#58
Fluorene
Concen: 2.151 ng
RT: 10.416 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

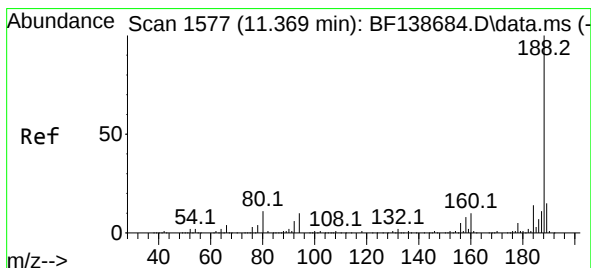
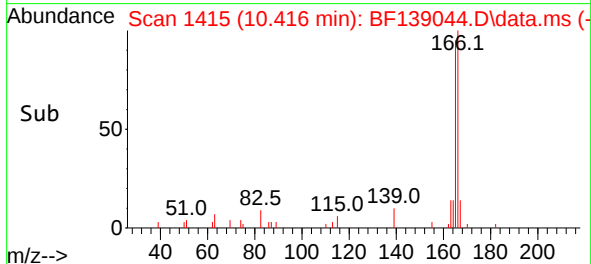
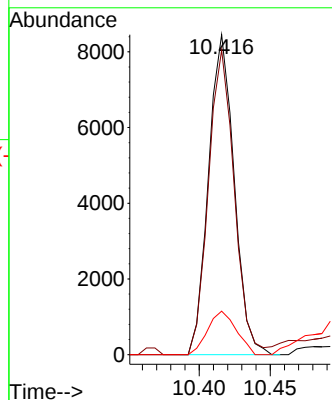
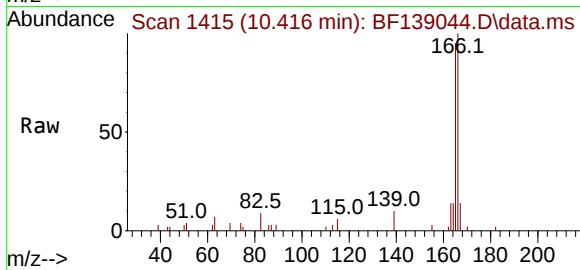
SP-1-COMP

Tgt Ion:166 Resp: 10632
Ion Ratio Lower Upper
166 100
165 95.2 78.4 117.6
167 13.6 10.6 16.0

Manual Integrations

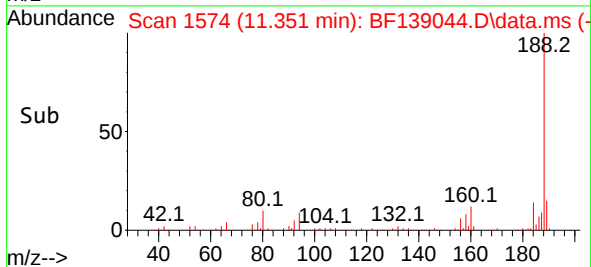
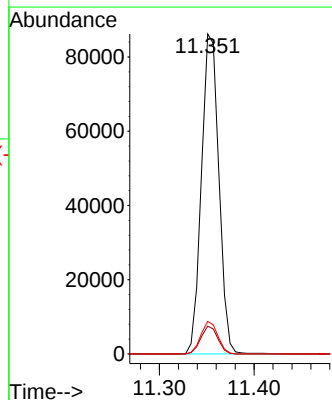
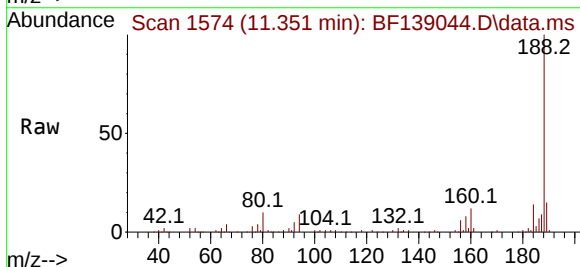
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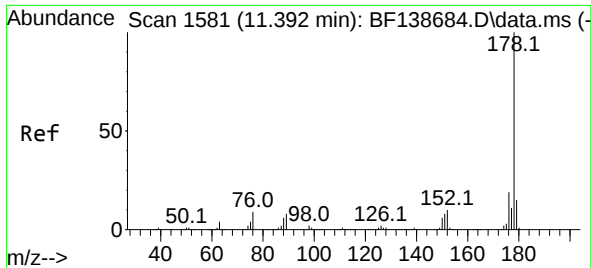
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:188 Resp: 110029
Ion Ratio Lower Upper
188 100
94 8.7 7.6 11.4
80 10.2 8.6 12.8





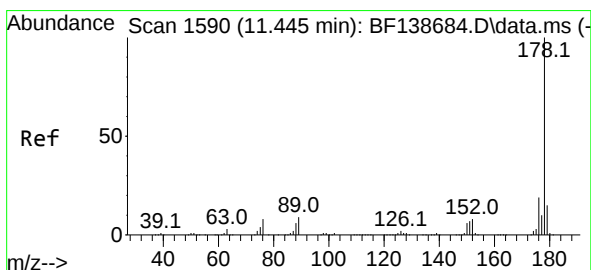
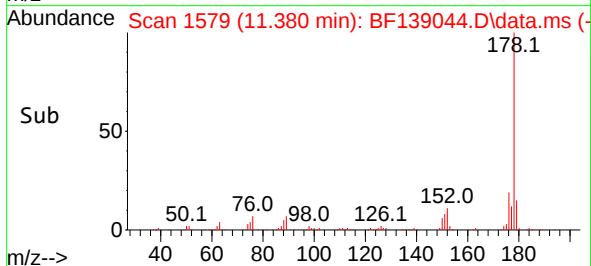
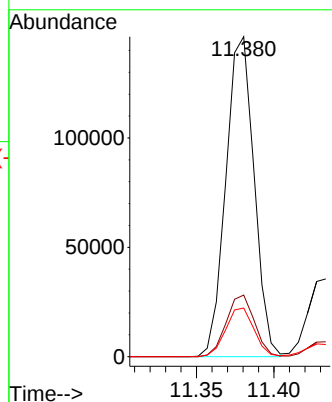
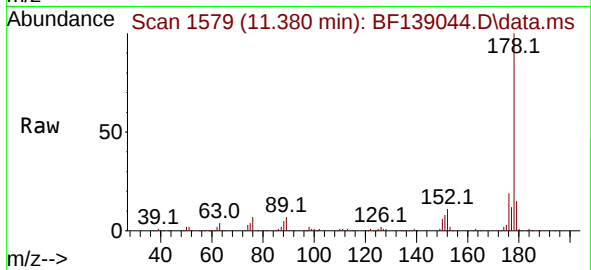
#71
Phenanthrene
Concen: 32.739 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

Tgt Ion:178 Resp: 18548
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.2 12.2 18.2

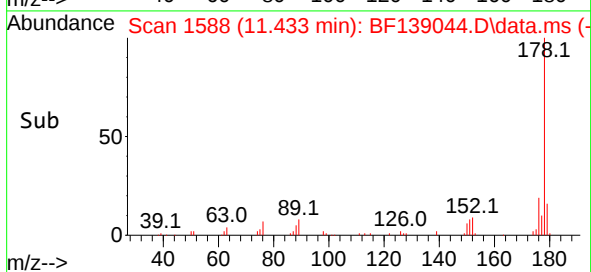
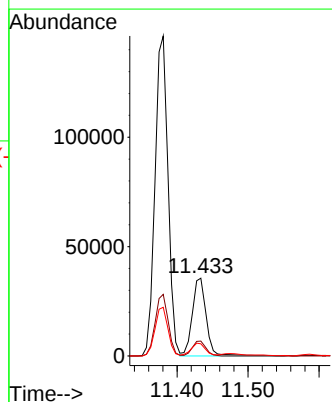
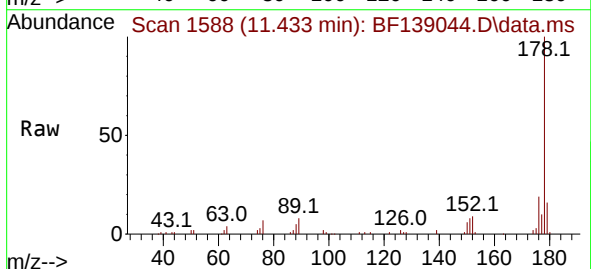
Manual Integrations
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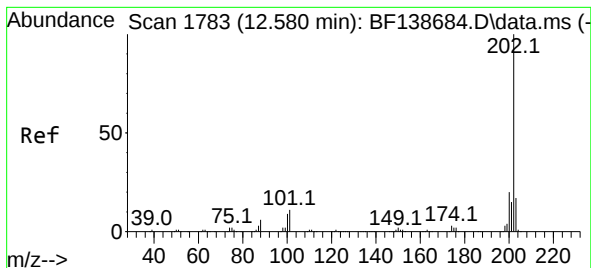
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#72
Anthracene
Concen: 8.692 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

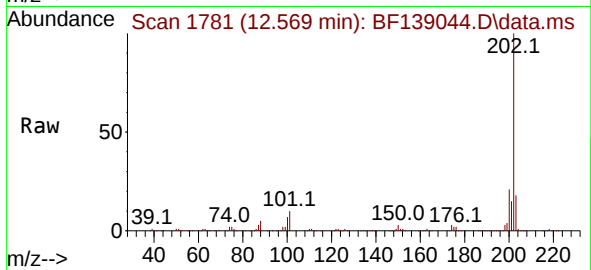
Tgt Ion:178 Resp: 48514
Ion Ratio Lower Upper
178 100
176 19.1 14.9 22.3
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 48.978 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

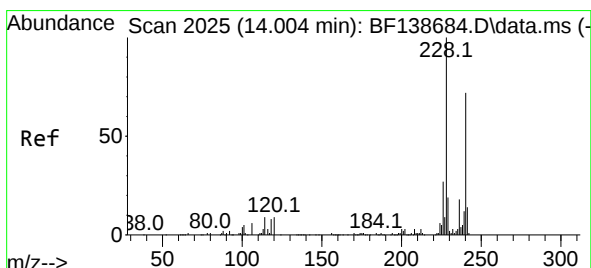
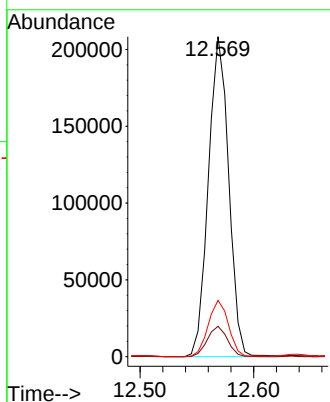
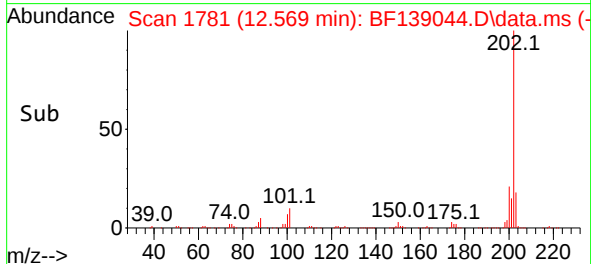
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion:202 Resp: 25905
Ion Ratio Lower Upper
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101 9.5 0.0 31.2
203 17.6 0.0 37.3

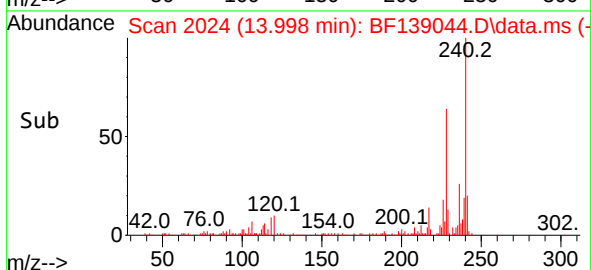
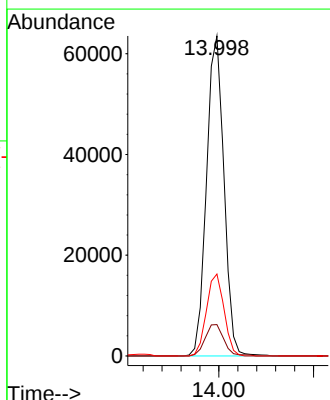
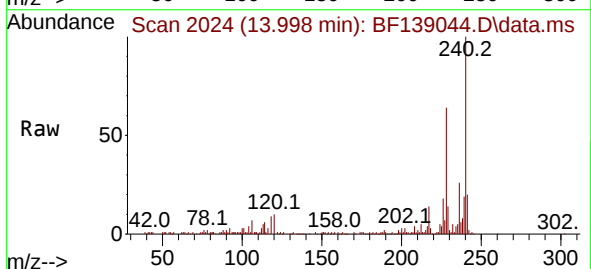
Manual Integrations
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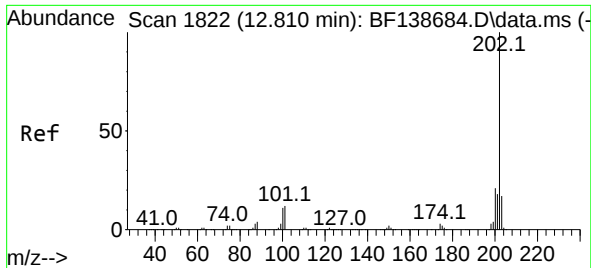
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:240 Resp: 80875
Ion Ratio Lower Upper
240 100
120 9.8 10.2 15.4#
236 25.6 19.8 29.8





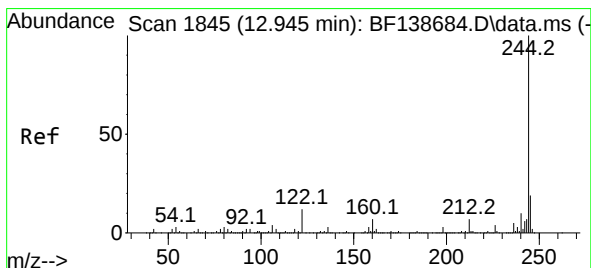
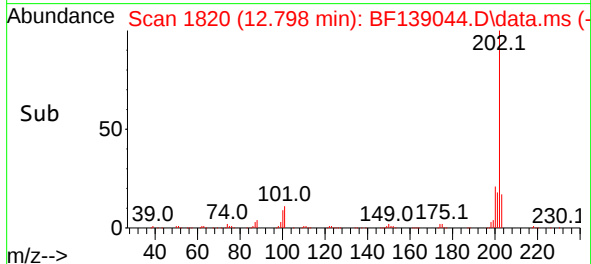
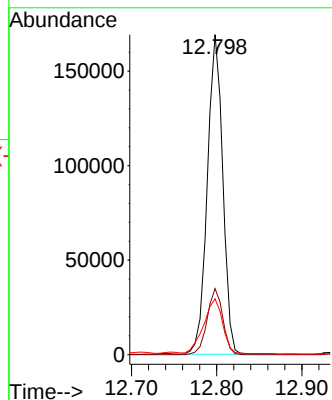
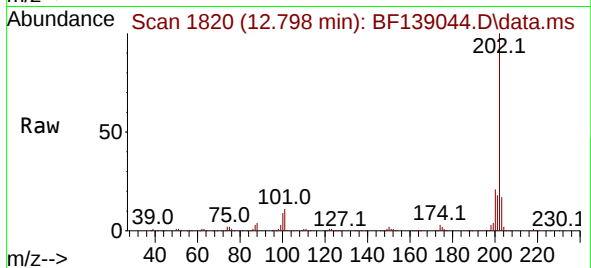
#78
Pyrene
Concen: 27.973 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Instrument :
BNA_F
ClientSampleId :
SP-1-COMP

Tgt Ion:202 Resp: 21300
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.4 13.8 20.6

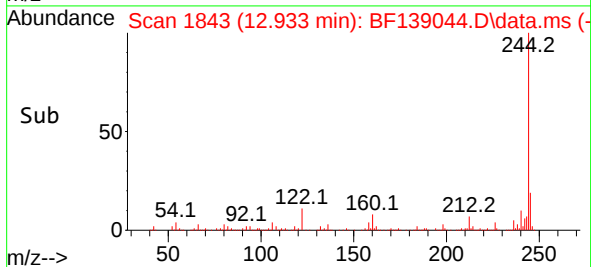
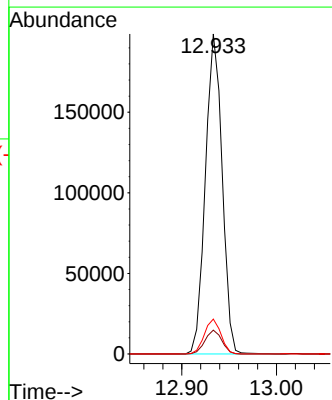
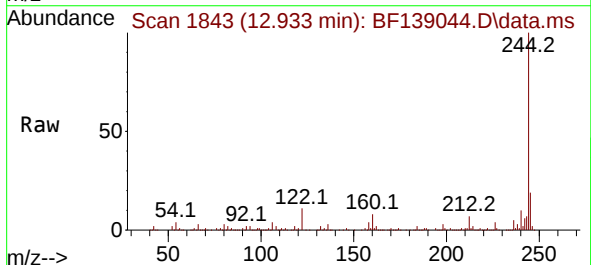
Manual Integrations
APPROVED

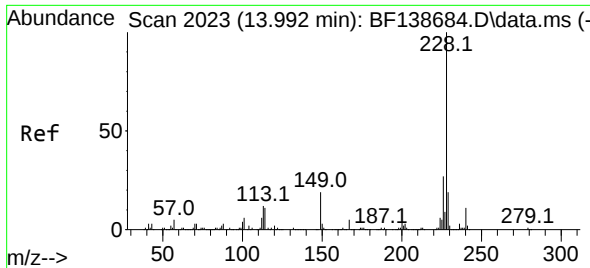
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#79
Terphenyl-d14
Concen: 50.366 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Tgt Ion:244 Resp: 243293
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 10.9 9.6 14.4





#81
Benzo(a)anthracene
Concen: 22.396 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

Instrument :

BNA_F

ClientSampleId :

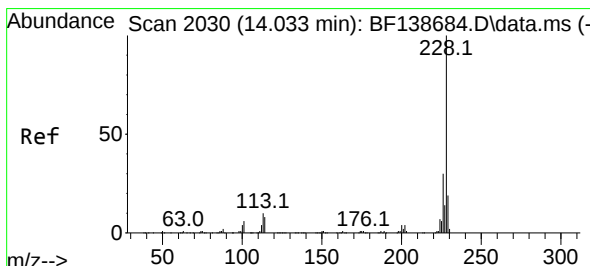
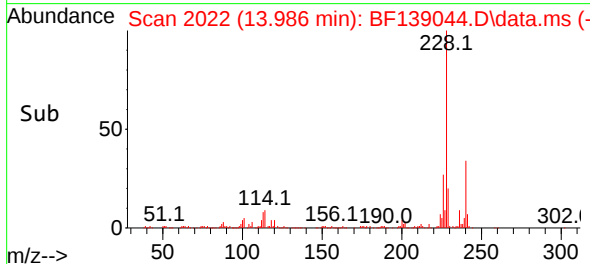
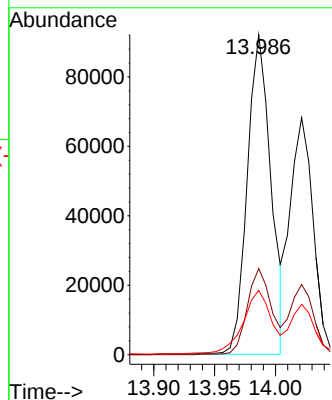
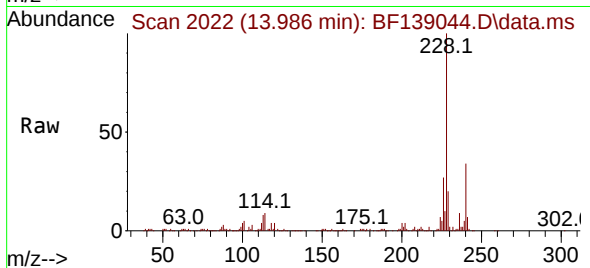
SP-1-COMP

Tgt Ion:228 Resp: 124730
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 20.1 15.4 23.0

Manual Integrations

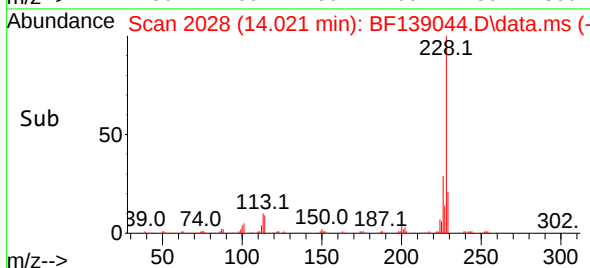
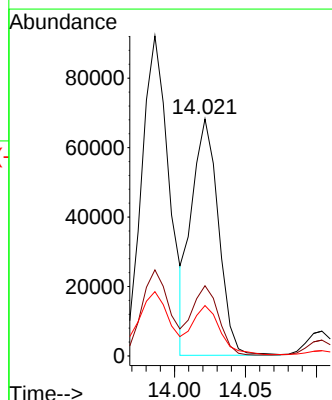
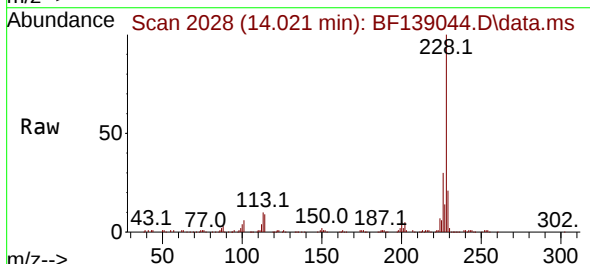
APPROVED

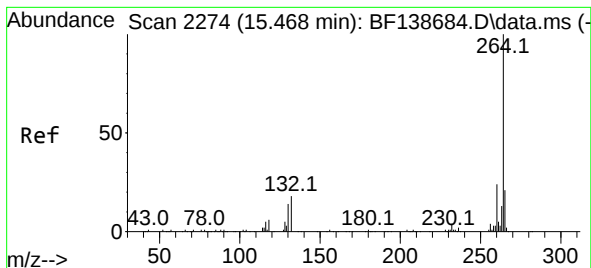
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#83
Chrysene
Concen: 17.767 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

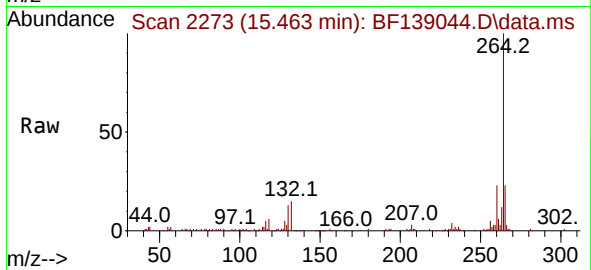
Tgt Ion:228 Resp: 89272
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 21.3 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

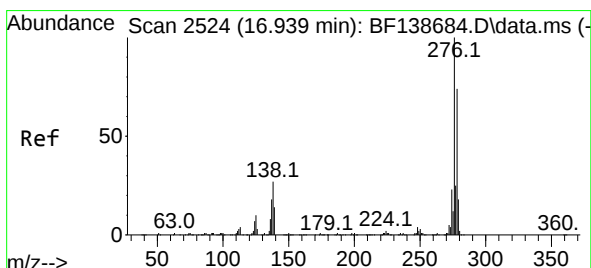
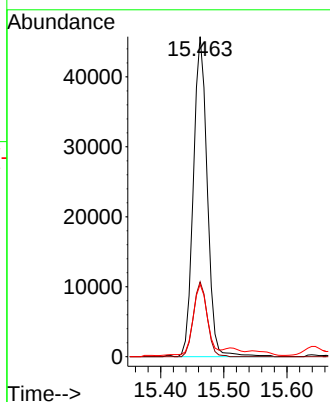
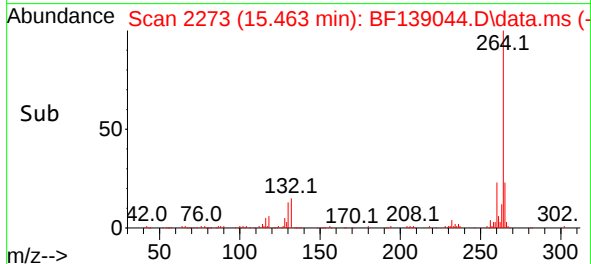
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



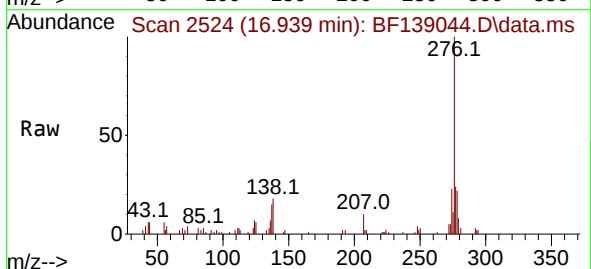
Tgt Ion:264 Resp: 69878
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.6 17.0 25.6

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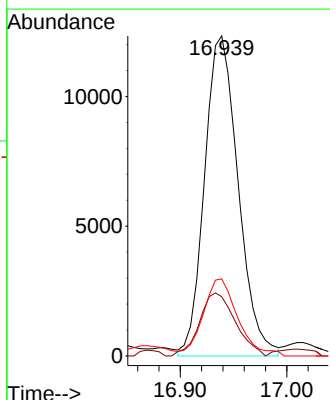
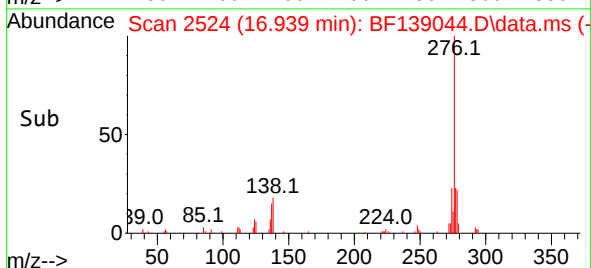
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

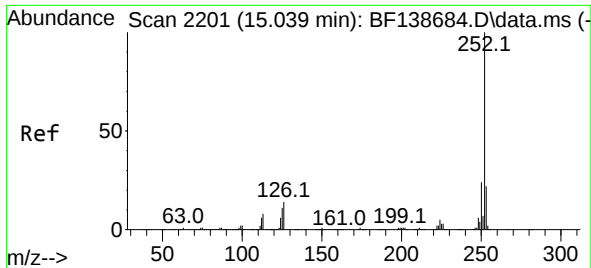


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.411 ng
RT: 16.939 min Scan# 2524
Delta R.T. 0.000 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19



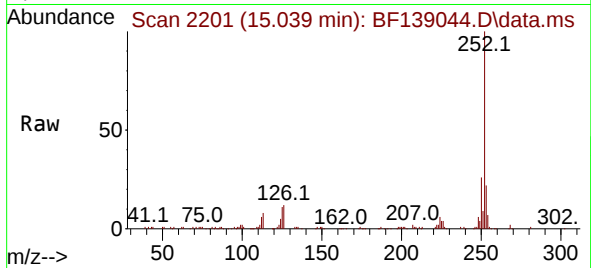
Tgt Ion:276 Resp: 27099
Ion Ratio Lower Upper
276 100
138 20.9 21.8 32.8#
277 24.7 20.6 30.8





#88
Benzo(b)fluoranthene
Concen: 20.337 ng m
RT: 15.039 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

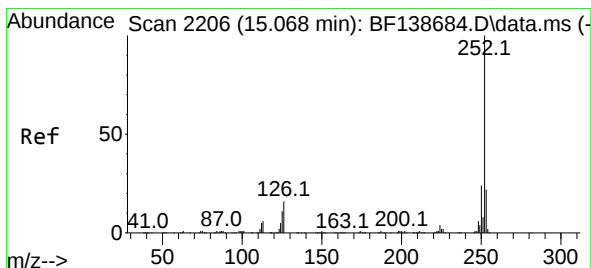
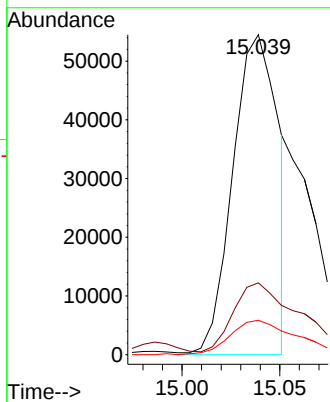
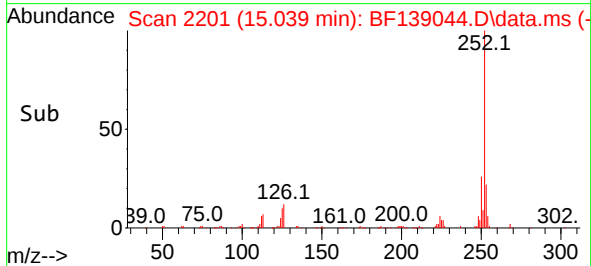
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



Tgt Ion:252 Resp: 8809
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 10.7 8.9 13.3

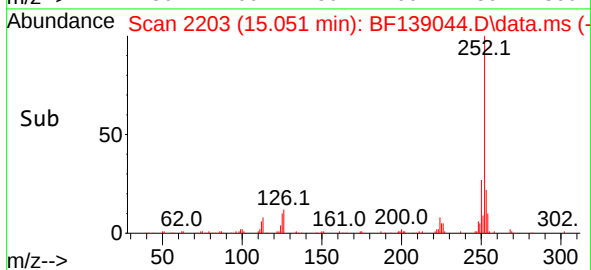
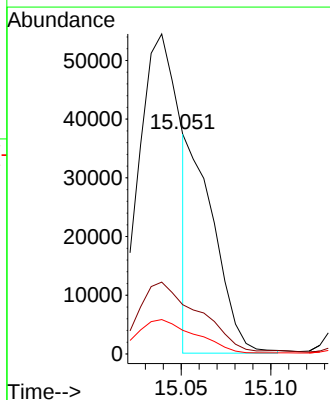
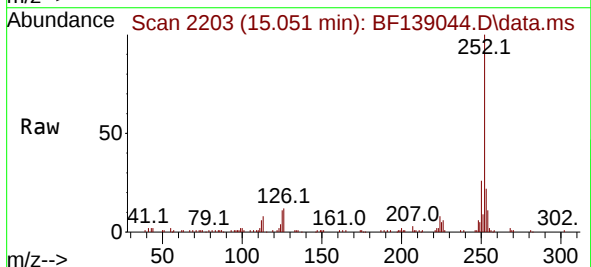
Manual Integrations
APPROVED

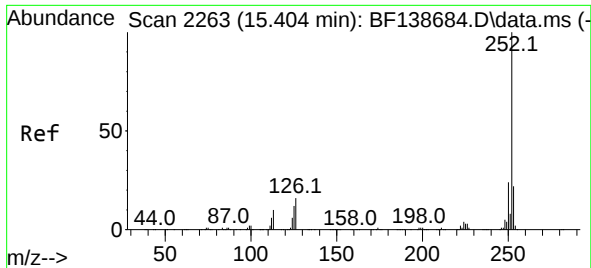
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#89
Benzo(k)fluoranthene
Concen: 9.930 ng m
RT: 15.051 min Scan# 2203
Delta R.T. -0.018 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

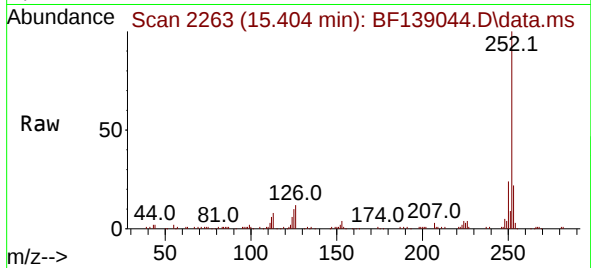
Tgt Ion:252 Resp: 37241
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 10.8 8.6 13.0





#90
Benzo(a)pyrene
Concen: 17.276 ng
RT: 15.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19

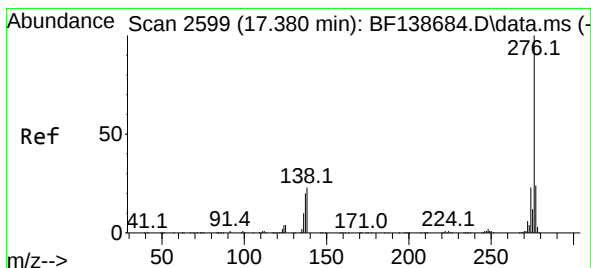
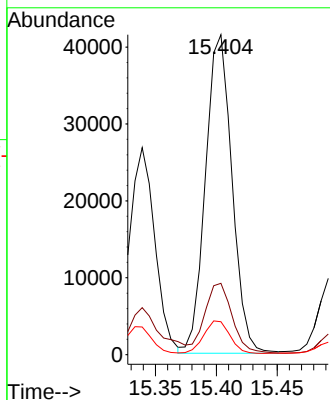
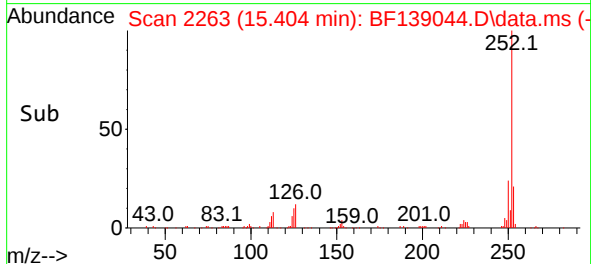
Instrument :
BNA_F
ClientSampleId :
SP-1-COMP



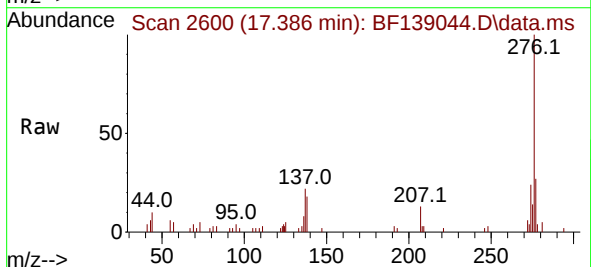
Tgt Ion:252 Resp: 62940
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 10.3 9.5 14.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#92
Benzo(g,h,i)perylene
Concen: 5.180 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF139044.D
Acq: 16 Aug 2024 02:19



Tgt Ion:276 Resp: 22098
Ion Ratio Lower Upper
276 100
277 27.3 19.0 28.4
138 18.3 18.5 27.7#

