

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139405.D
 Acq On : 17 Sep 2024 16:38
 Operator : RC/JU
 Sample : P3989-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024

Quant Time: Sep 17 17:17:22 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	6.881	152	60562	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	216558	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	94517	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	145147	20.000	ng	0.00
76) Chrysene-d12	14.027	240	100931	20.000	ng	0.00
86) Perylene-d12	15.498	264	66817	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	316895	85.361	ng	0.00
7) Phenol-d6	6.504	99	416465	85.468	ng	0.00
23) Nitrobenzene-d5	7.439	82	295818	64.218	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	74197	73.736	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	460911	68.394	ng	0.00
79) Terphenyl-d14	12.980	244	351387	57.144	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	31434	2.780	ng	99
37) 2-Methylnaphthalene	8.869	142	24312	3.388	ng	97
38) 1-Methylnaphthalene	8.969	142	17860	2.535	ng	96
71) Phenanthrene	11.416	178	32520	4.644	ng	99
75) Fluoranthene	12.604	202	43469	5.813	ng	98
78) Pyrene	12.833	202	45390	5.238	ng	98
81) Benzo(a)anthracene	14.021	228	25183	3.767	ng	# 87
83) Chrysene	14.057	228	20597	3.349	ng	# 94
88) Benzo(b)fluoranthene	15.068	252	20941m	5.082	ng	
90) Benzo(a)pyrene	15.433	252	13244	3.875	ng	# 94
92) Benzo(g,h,i)perylene	17.403	276	8171	2.514	ng	# 96

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

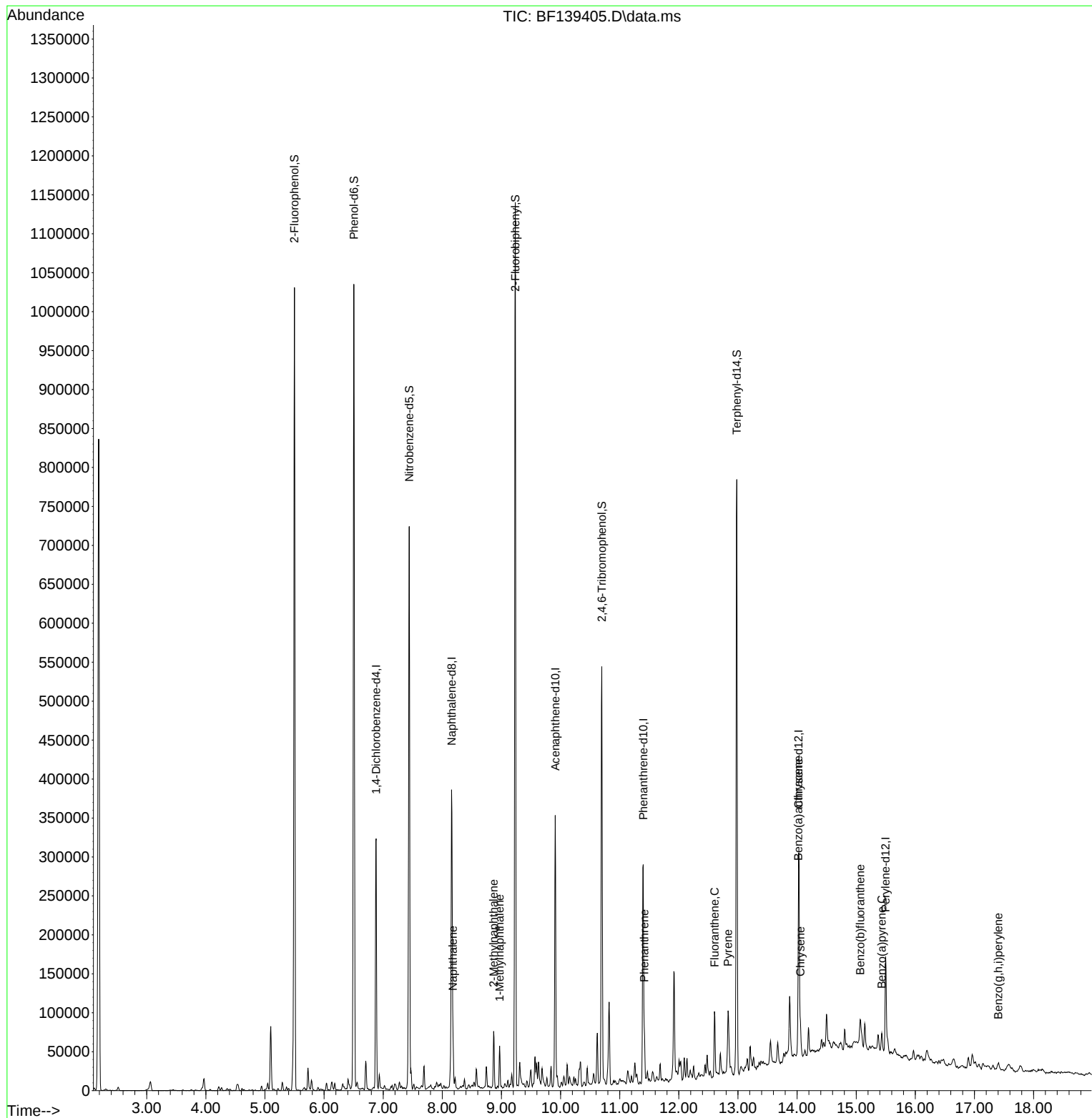
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
Data File : BF139405.D
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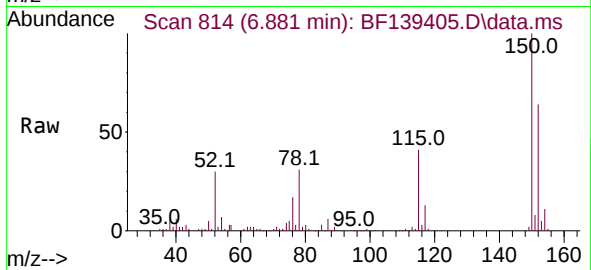
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

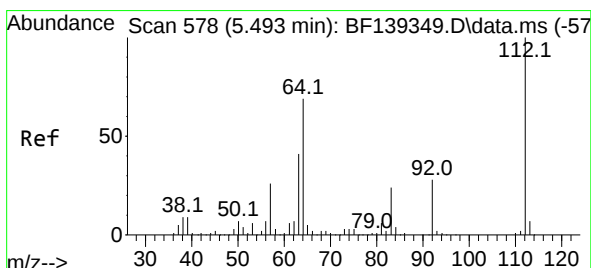
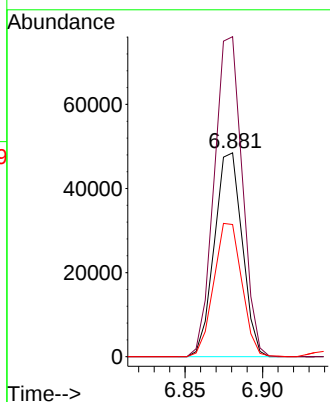
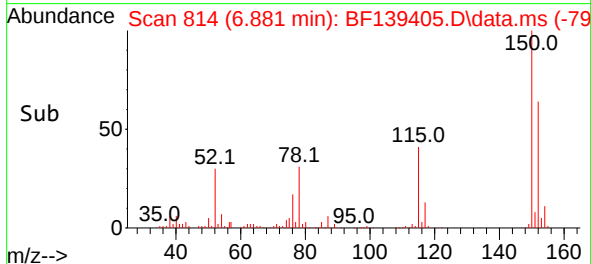
Instrument :
BNA_F
ClientSampleId :
TP-3



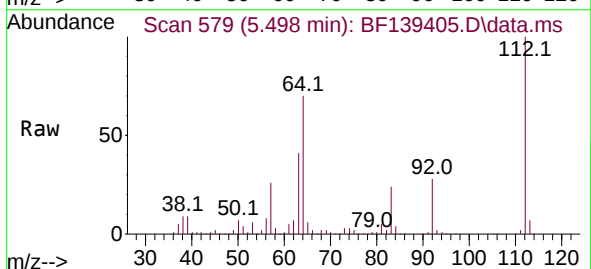
Tgt Ion:152 Resp: 60562
Ion Ratio Lower Upper
152 100
150 157.0 124.1 186.1
115 64.9 48.1 72.1

Manual Integrations
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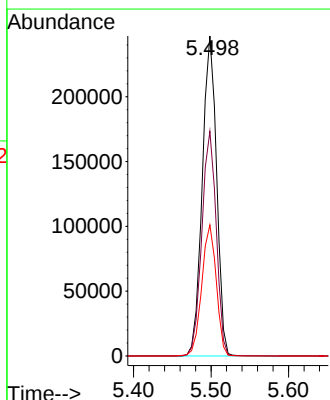
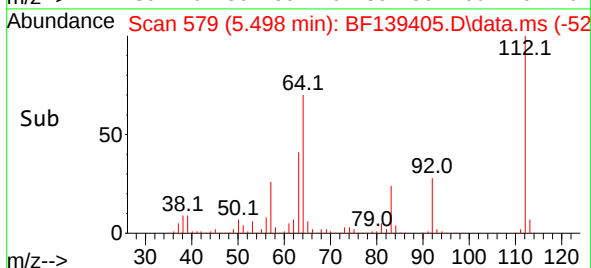
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#5
2-Fluorophenol
Concen: 85.361 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38



Tgt Ion:112 Resp: 316895
Ion Ratio Lower Upper
112 100
64 70.2 54.8 82.2
63 41.0 33.0 49.4





#7

Phenol-d6

Concen: 85.468 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 99 Resp: 41646

Ion Ratio Lower Upper

99 100

42 26.7 21.9 32.9

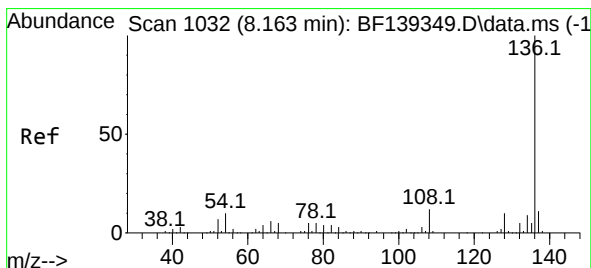
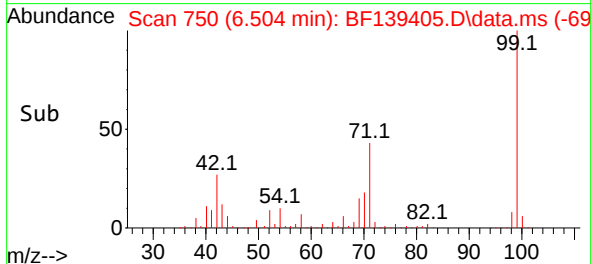
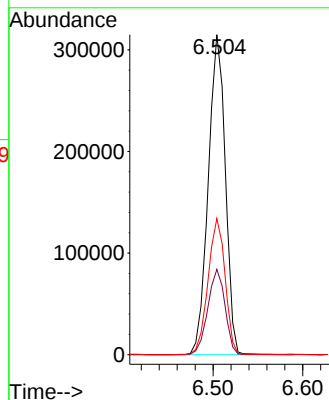
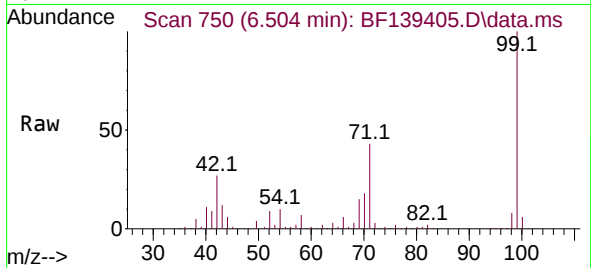
71 42.6 34.6 52.0

Manual Integrations

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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: BF139405.D

Acq: 17 Sep 2024 16:38

Tgt Ion:136 Resp: 216558

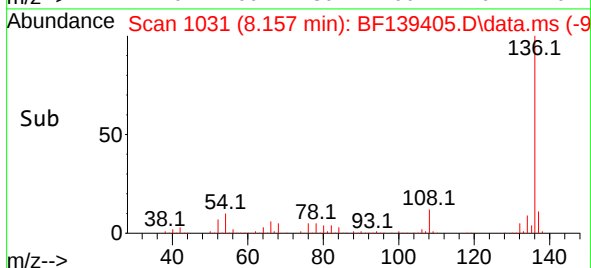
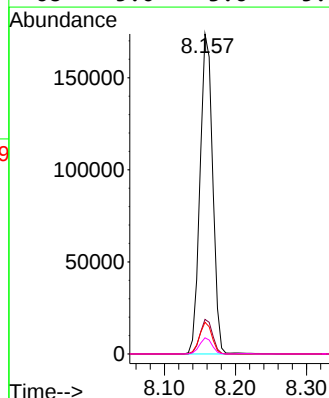
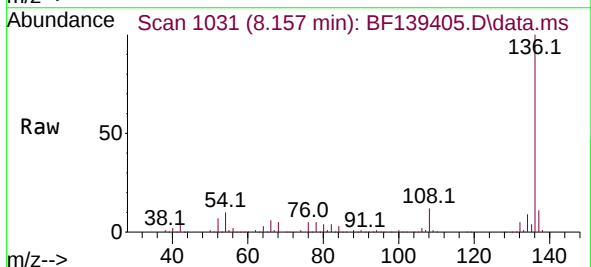
Ion Ratio Lower Upper

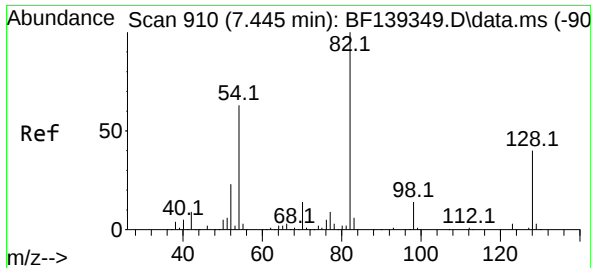
136 100

137 10.8 8.6 12.8

54 9.9 7.8 11.8

68 5.0 3.6 5.4





#23

Nitrobenzene-d5

Concen: 64.218 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 295818

Ion Ratio Lower Upper

82 100

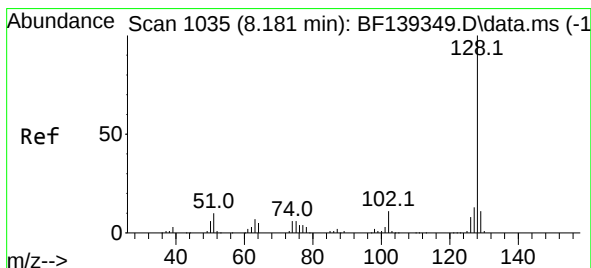
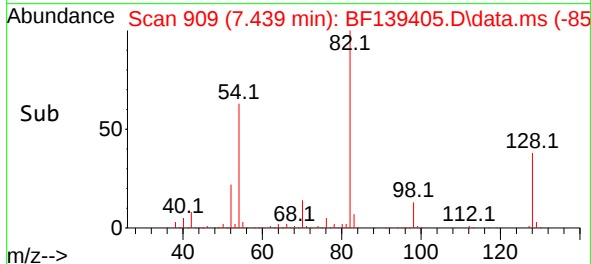
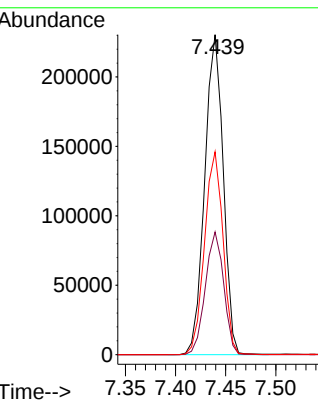
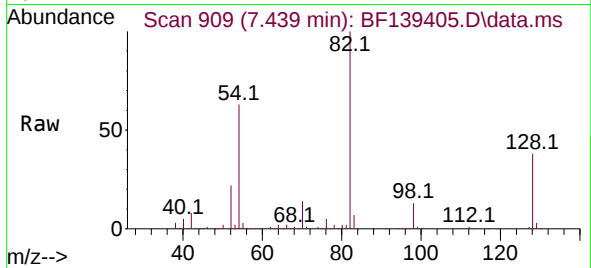
128 38.4 31.8 47.6

54 63.4 50.6 75.8

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#31

Naphthalene

Concen: 2.780 ng

RT: 8.181 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

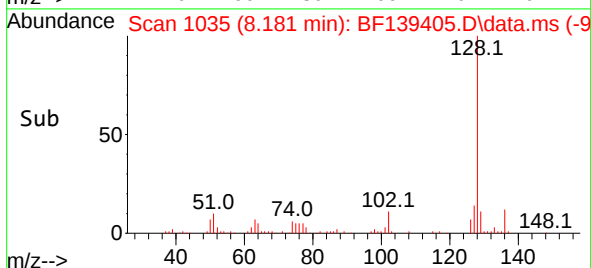
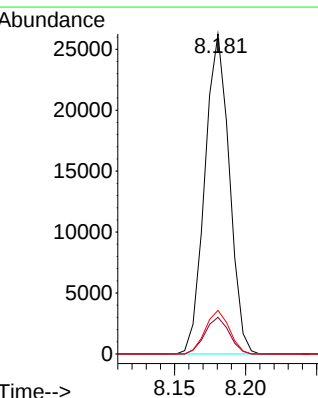
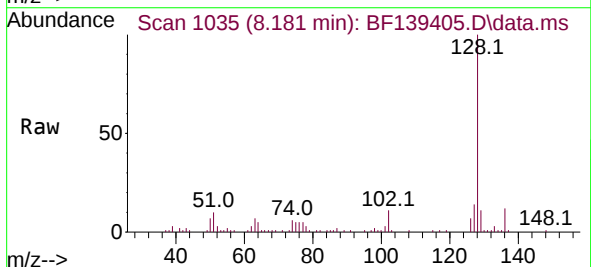
Tgt Ion:128 Resp: 31434

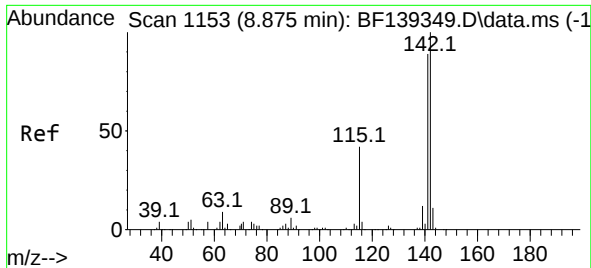
Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 13.6 10.6 16.0





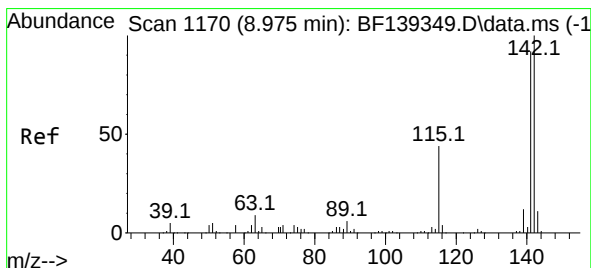
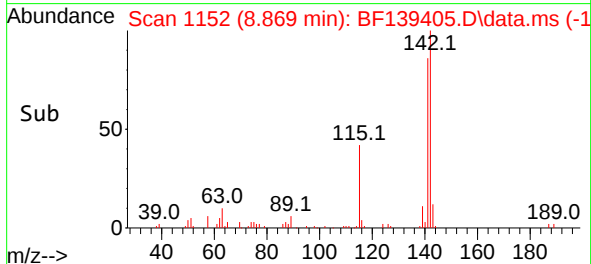
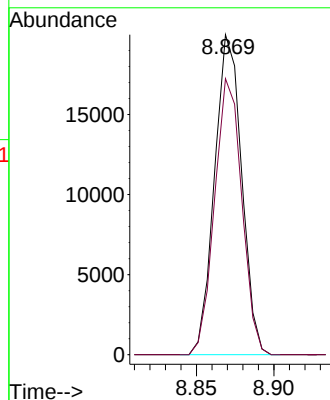
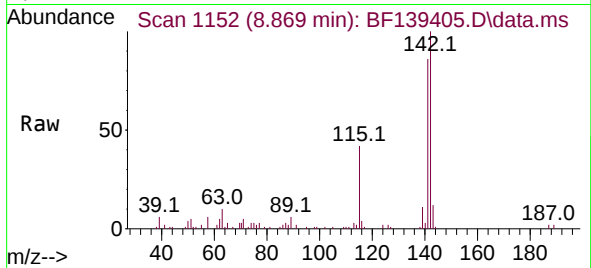
#37
2-Methylnaphthalene
Concen: 3.388 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:142 Resp: 2431
Ion Ratio Lower Upper
142 100
141 86.2 71.6 107.4

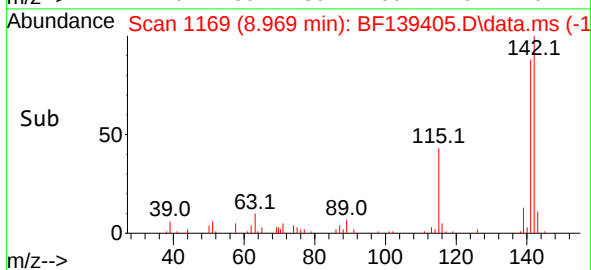
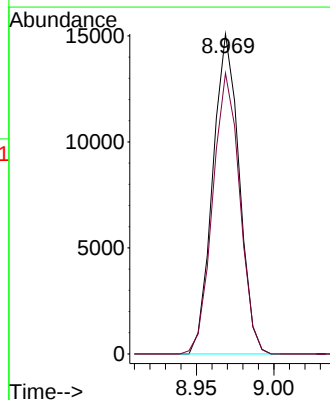
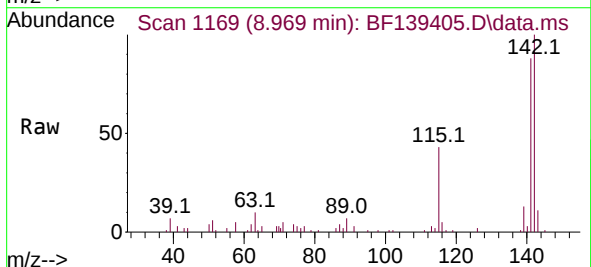
Manual Integrations
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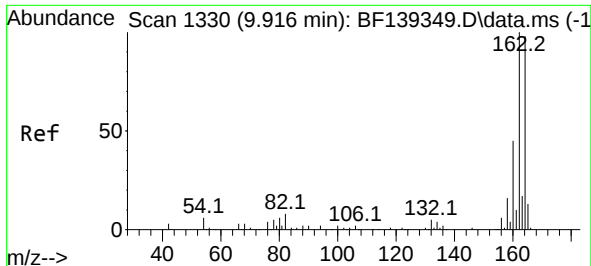
Reviewed By :Jagrut Upadhyay 09/18/2024
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#38
1-Methylnaphthalene
Concen: 2.535 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

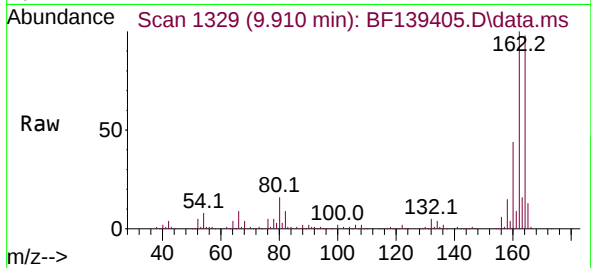
Tgt Ion:142 Resp: 17860
Ion Ratio Lower Upper
142 100
141 87.8 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

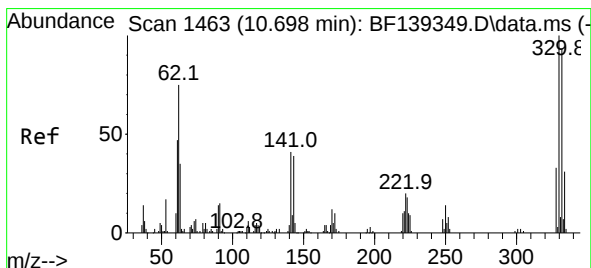
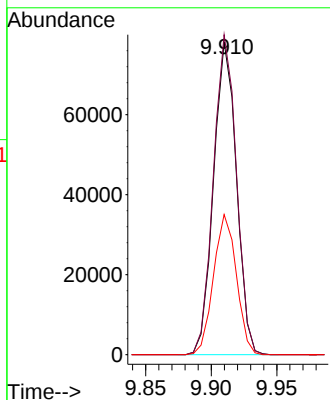
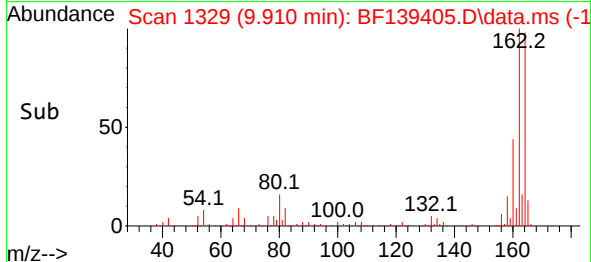
Instrument :
BNA_F
ClientSampleId :
TP-3



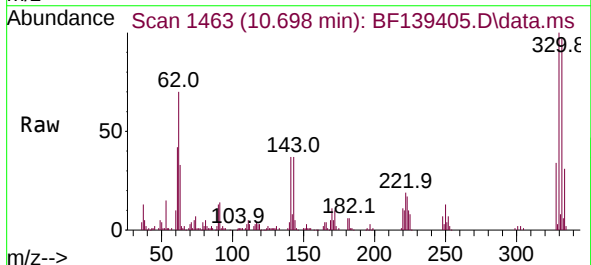
Tgt Ion:164 Resp: 9451
Ion Ratio Lower Upper
164 100
162 102.4 81.3 121.9
160 44.9 36.4 54.6

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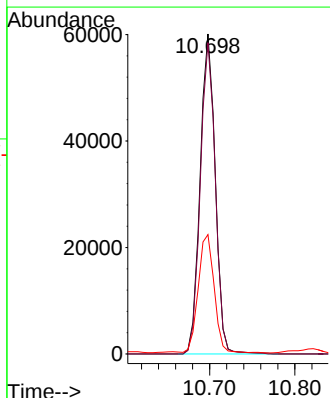
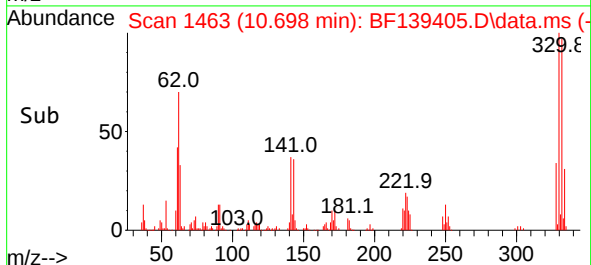
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

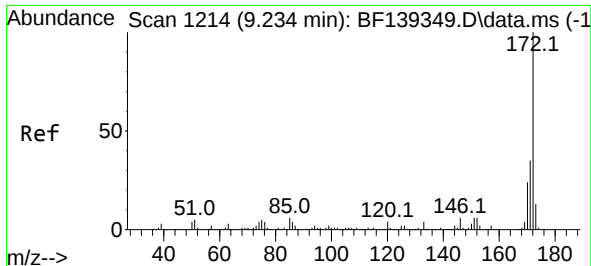


#42
2,4,6-Tribromophenol
Concen: 73.736 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38



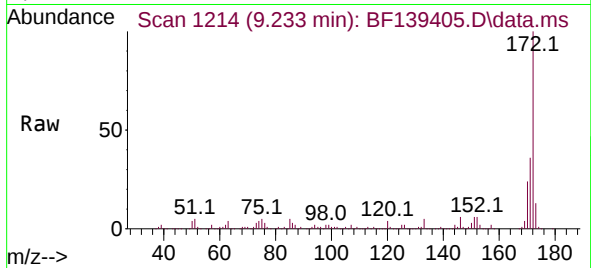
Tgt Ion:330 Resp: 74197
Ion Ratio Lower Upper
330 100
332 96.4 75.2 112.8
141 39.6 31.2 46.8





#45
2-Fluorobiphenyl
Concen: 68.394 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

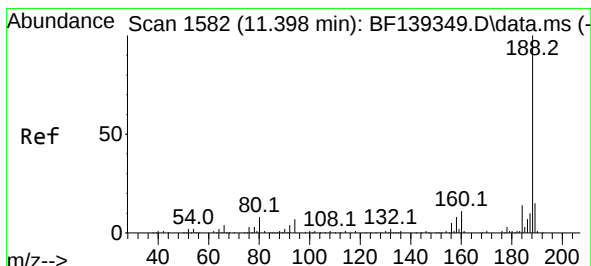
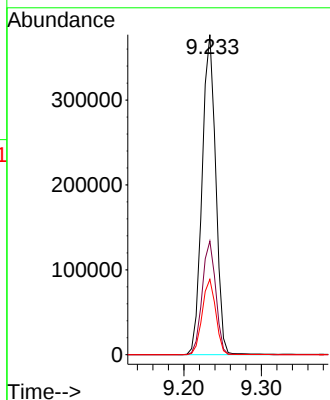
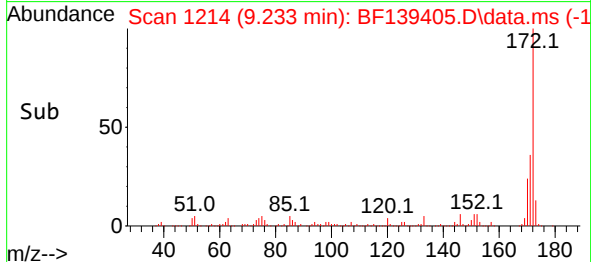
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:172 Resp: 46091
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.6 19.0 28.6

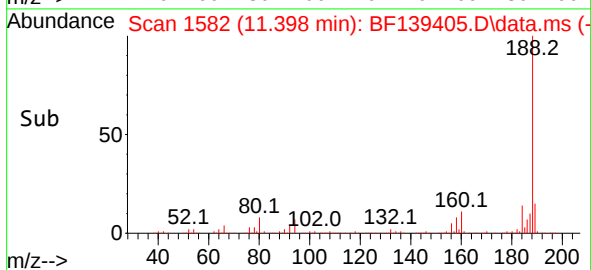
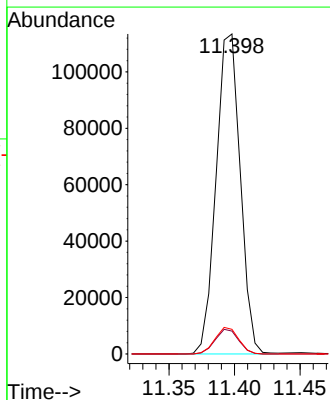
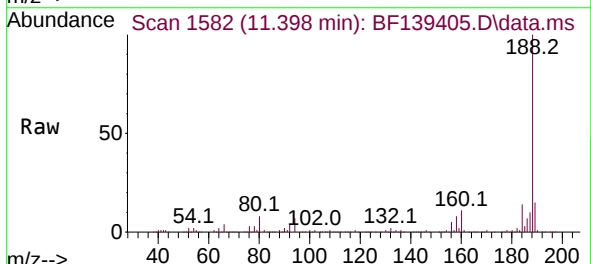
Manual Integrations
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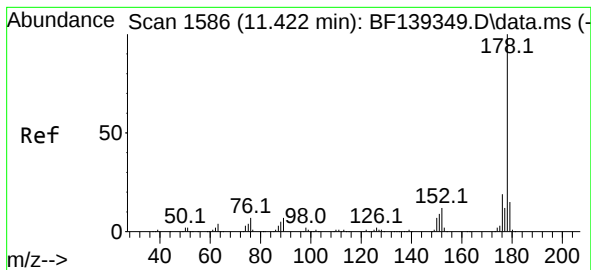
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139405.D
Acq: 17 Sep 2024 16:38

Tgt Ion:188 Resp: 145147
Ion Ratio Lower Upper
188 100
94 7.2 5.5 8.3
80 7.7 6.6 9.8





#71

Phenanthrene

Concen: 4.644 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

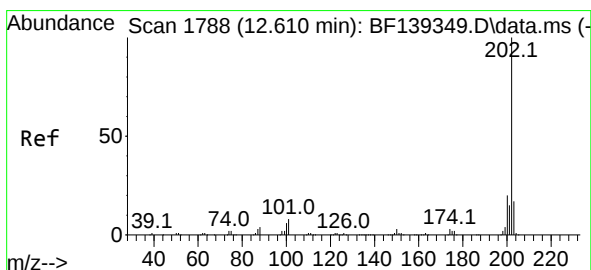
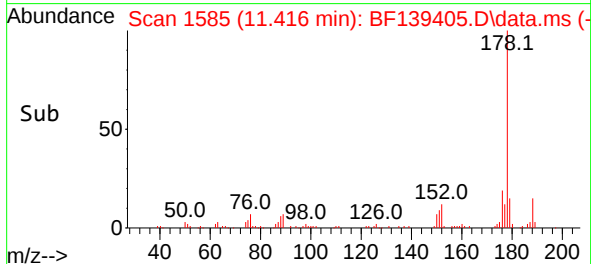
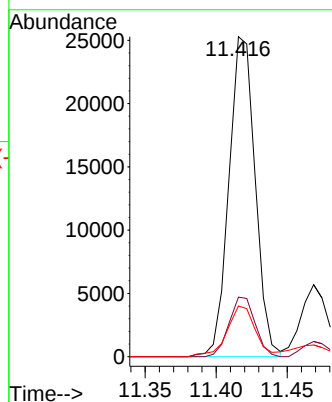
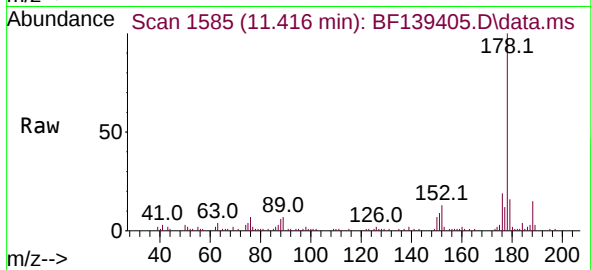
TP-3

Tgt Ion:178 Resp: 32520
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.2 22.8
 179 15.8 12.2 18.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024



#75

Fluoranthene

Concen: 5.813 ng

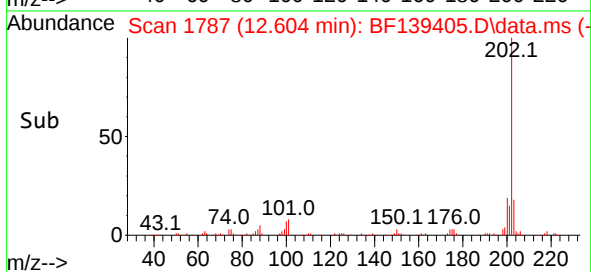
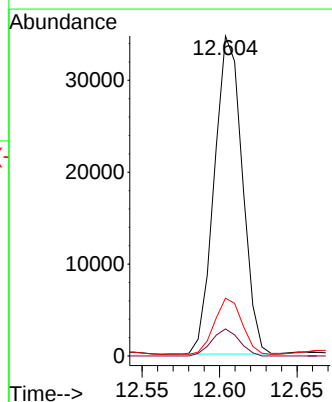
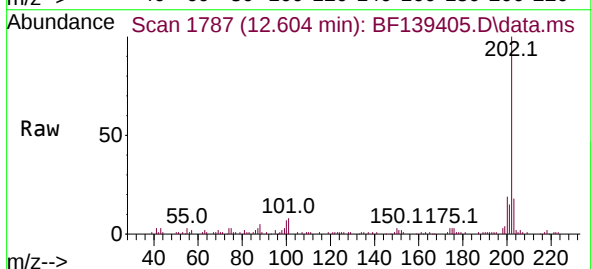
RT: 12.604 min Scan# 1787

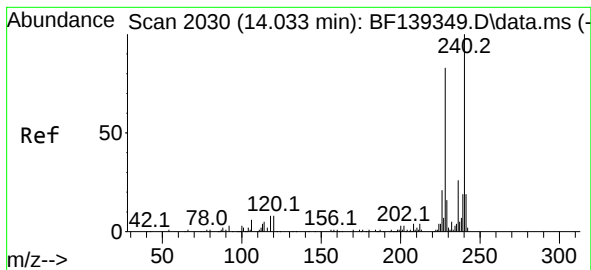
Delta R.T. -0.006 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Tgt Ion:202 Resp: 43469
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 27.7
 203 18.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:240 Resp: 10093

Ion Ratio Lower Upper

240 100

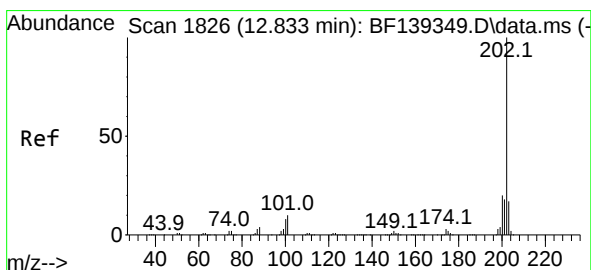
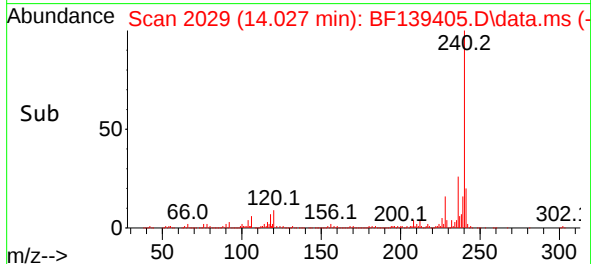
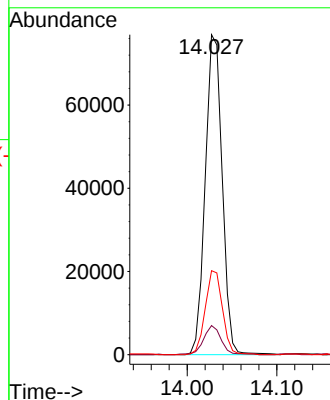
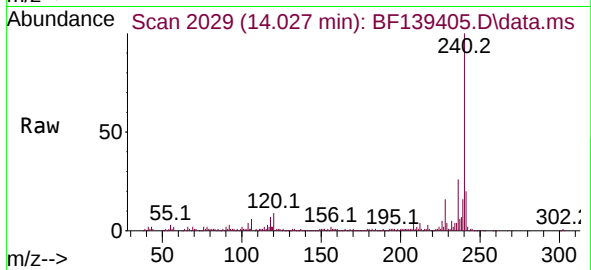
120 9.1 6.2 9.2

236 26.3 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#78

Pyrene

Concen: 5.238 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

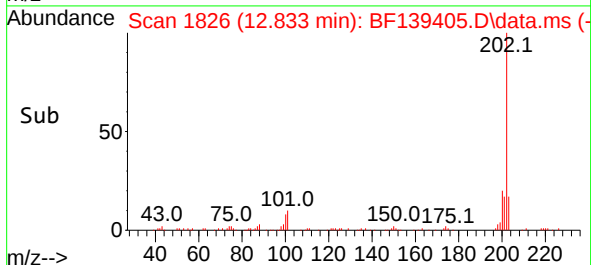
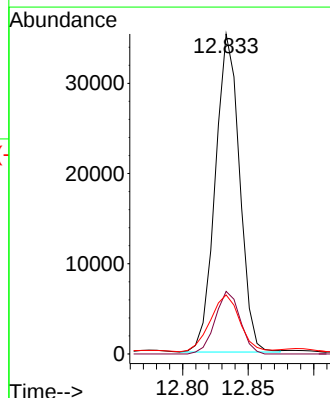
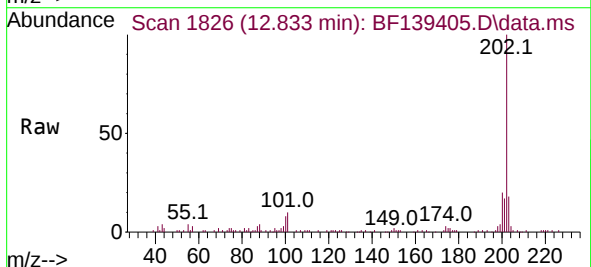
Tgt Ion:202 Resp: 45390

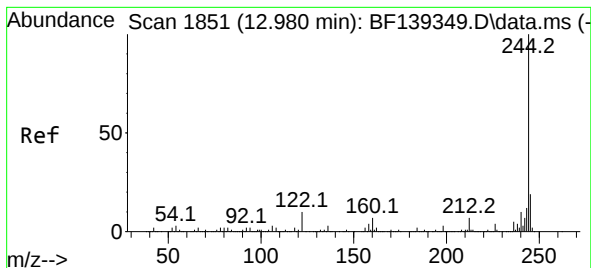
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

203 18.5 13.9 20.9





#79

Terphenyl-d14

Concen: 57.144 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139405.D

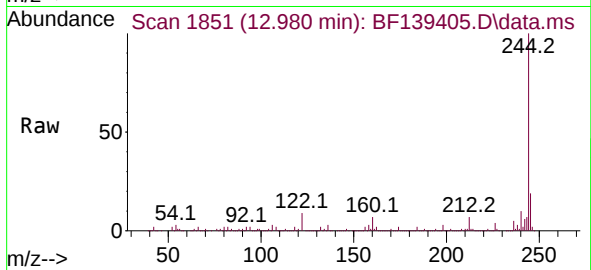
Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

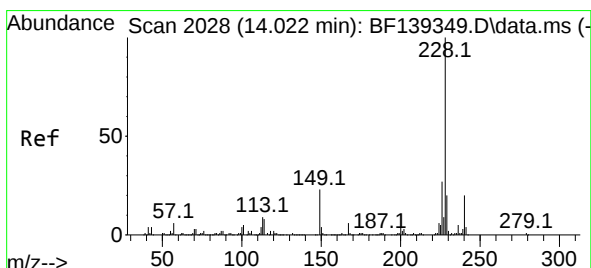
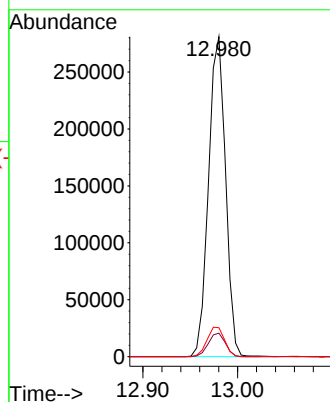
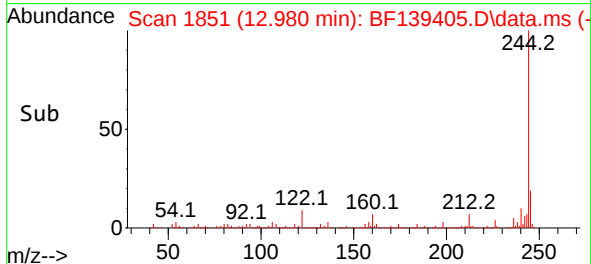


Tgt Ion:	244	Resp:	35138
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	9.1	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#81

Benzo(a)anthracene

Concen: 3.767 ng

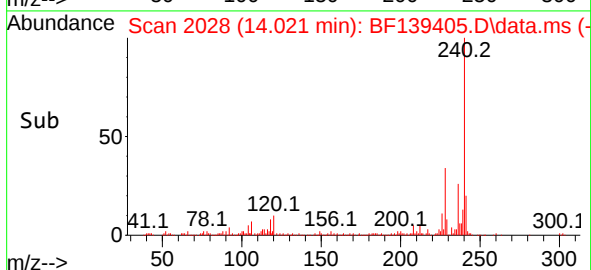
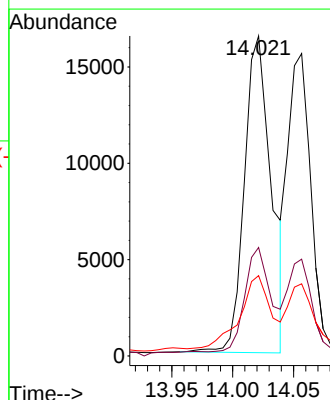
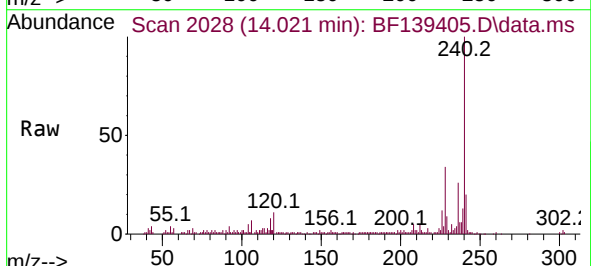
RT: 14.021 min Scan# 2028

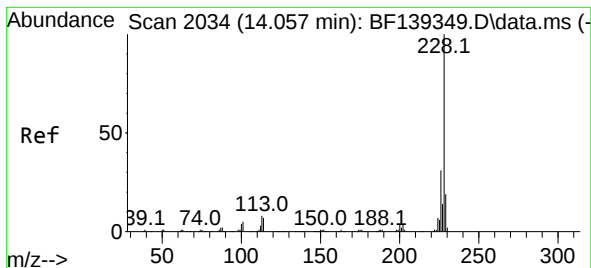
Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Tgt Ion:	228	Resp:	25183
Ion Ratio	Lower	Upper	
228	100		
226	33.9	21.6	32.4#
229	25.1	15.7	23.5#





#83

Chrysene

Concen: 3.349 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

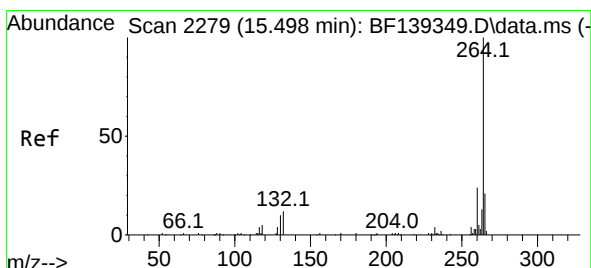
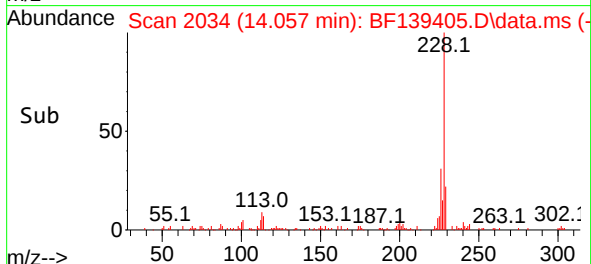
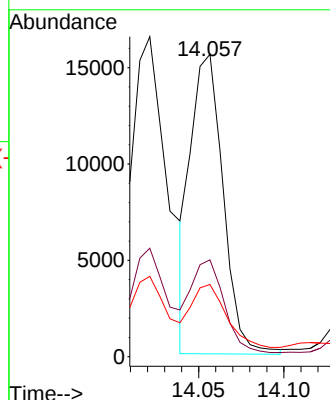
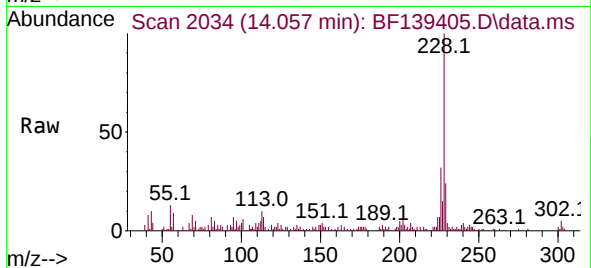
TP-3

Tgt Ion:	228	Resp:	2059
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.1	36.1
229	23.9	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#86

Perylene-d12

Concen: 20.000 ng

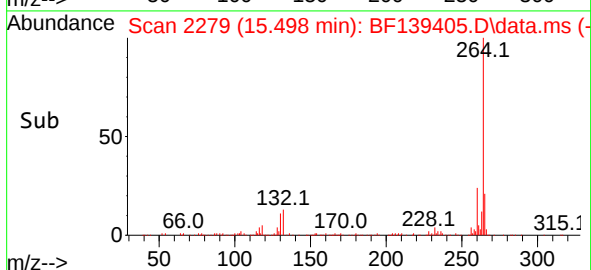
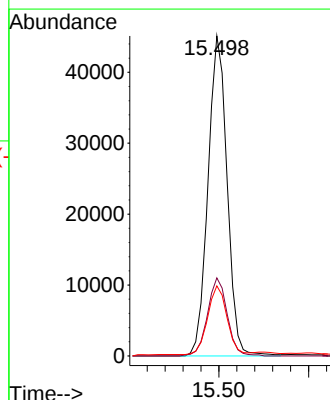
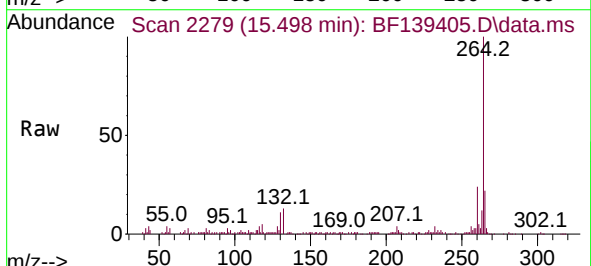
RT: 15.498 min Scan# 2279

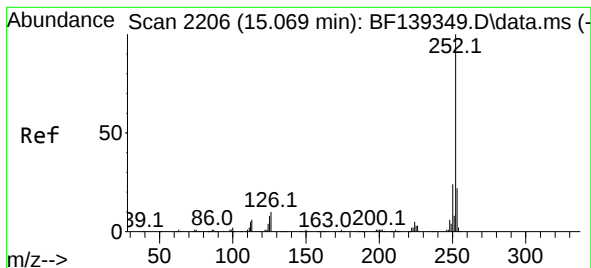
Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Tgt Ion:	264	Resp:	66817
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	21.9	16.6	25.0





#88

Benzo(b)fluoranthene

Concen: 5.082 ng m

RT: 15.068 min Scan# 2206

Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

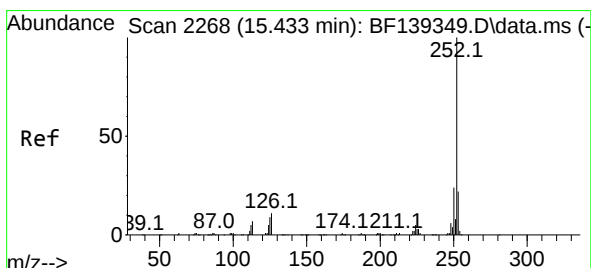
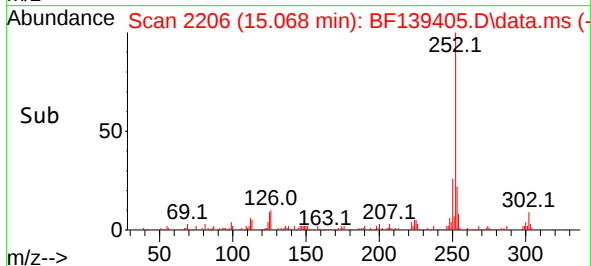
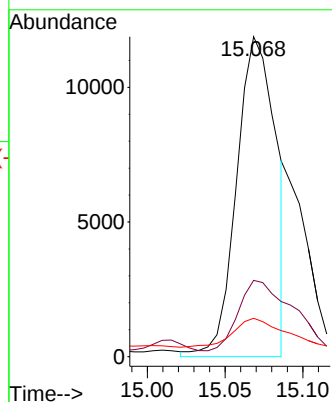
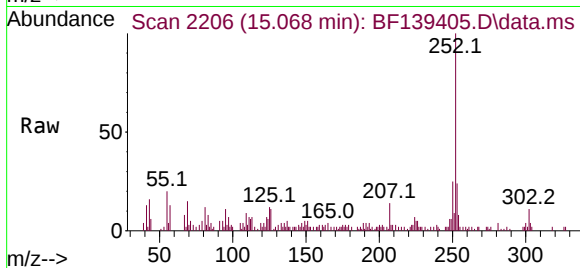
TP-3

Tgt Ion:	252	Resp:	2094
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.6	26.4
125	12.0	6.2	9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#90

Benzo(a)pyrene

Concen: 3.875 ng

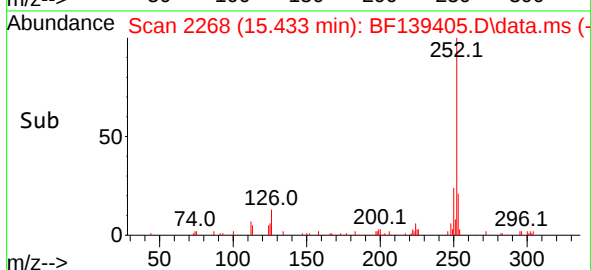
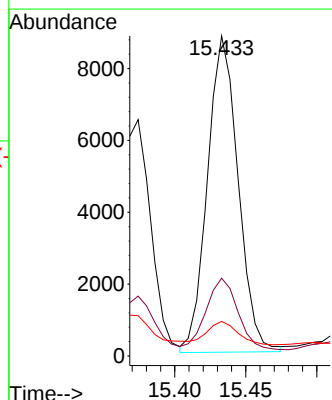
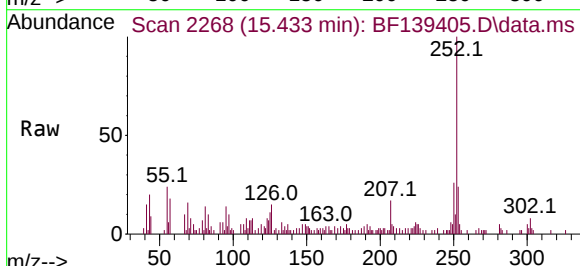
RT: 15.433 min Scan# 2268

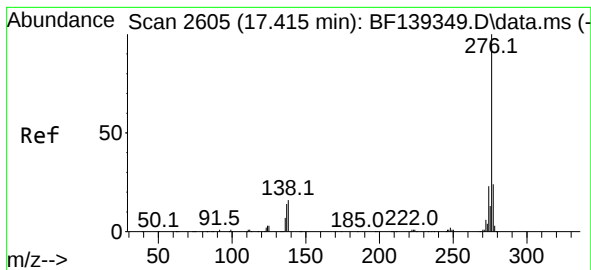
Delta R.T. -0.000 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Tgt Ion:	252	Resp:	13244
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.3	25.9
125	10.8	6.8	10.2





#92

Benzo(g,h,i)perylene

Concen: 2.514 ng

RT: 17.403 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF139405.D

Acq: 17 Sep 2024 16:38

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:276 Resp: 817

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 19.8 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024

