

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139441.D
 Acq On : 18 Sep 2024 22:38
 Operator : RC/JU
 Sample : P4087-31
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-06

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 19 01:31:00 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	63860	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	224403	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	99483	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	158292	20.000	ng	0.00
76) Chrysene-d12	14.033	240	106928	20.000	ng	0.00
86) Perylene-d12	15.504	264	84888	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	327141	83.570	ng	0.00
7) Phenol-d6	6.504	99	441219	85.872	ng	0.00
23) Nitrobenzene-d5	7.440	82	281351	58.942	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	76826	72.538	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	449298	63.342	ng	0.00
79) Terphenyl-d14	12.980	244	339777	52.157	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.869	142	21008	2.825	ng	98
38) 1-Methylnaphthalene	8.969	142	22131	3.031	ng	97
49) Acenaphthylene	9.775	152	52710	6.119	ng	99
52) Acenaphthene	9.945	154	42801	7.119	ng	95
55) Dibenzofuran	10.116	168	37840	4.516	ng	98
58) Fluorene	10.457	166	42315	6.189	ng	98
71) Phenanthrene	11.422	178	212070	27.769	ng	100
72) Anthracene	11.469	178	47694	6.387	ng	99
73) Carbazole	11.628	167	22013	3.080	ng	98
75) Fluoranthene	12.610	202	456245	55.943	ng	98
78) Pyrene	12.839	202	418205	45.550	ng	99
81) Benzo(a)anthracene	14.027	228	239807m	33.857	ng	
83) Chrysene	14.063	228	187798	28.820	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	73311	14.524	ng	98
88) Benzo(b)fluoranthene	15.080	252	216710m	41.394	ng	
89) Benzo(k)fluoranthene	15.092	252	75328m	15.605	ng	
90) Benzo(a)pyrene	15.439	252	136807	31.508	ng	98
91) Dibenzo(a,h)anthracene	16.980	278	18695	4.482	ng	# 79
92) Benzo(g,h,i)perylene	17.415	276	66473	16.096	ng	98

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

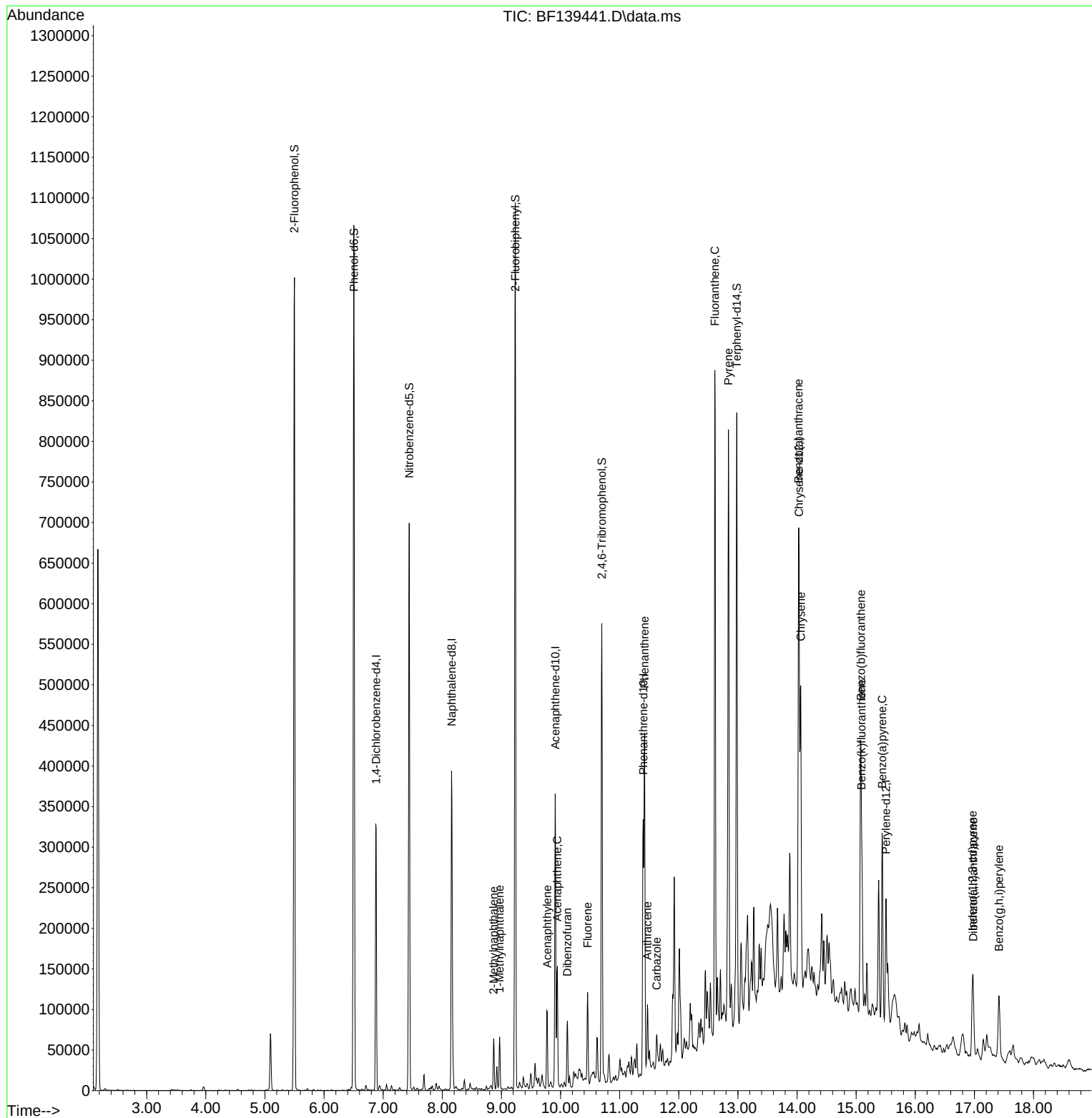
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
Data File : BF139441.D
Acq On : 18 Sep 2024 22:38
Operator : RC/JU
Sample : P4087-31
Misc :
ALS Vial : 15 Sample Multiplier: 1

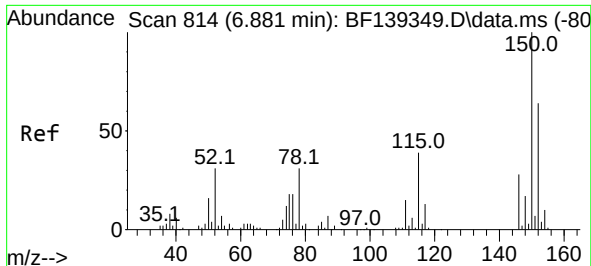
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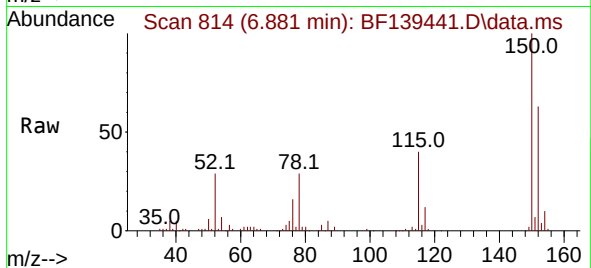
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

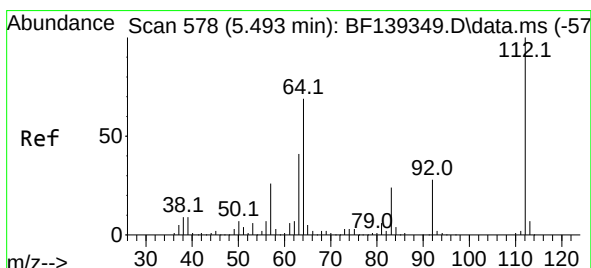
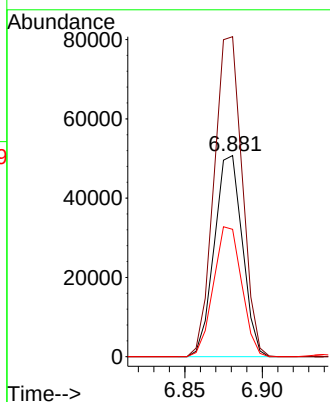
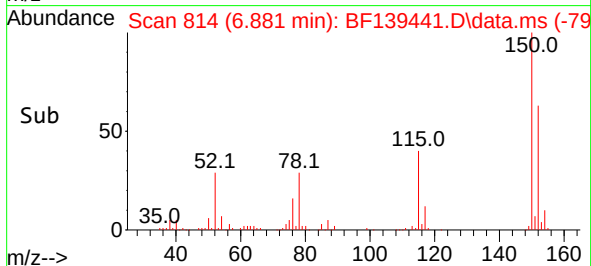
Instrument :
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NB-614-COMP-06



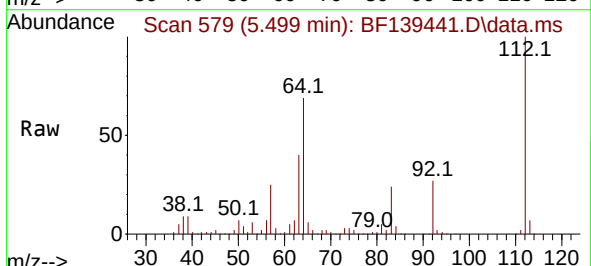
Tgt Ion:152 Resp: 63860
Ion Ratio Lower Upper
152 100
150 159.1 124.1 186.1
115 63.3 48.1 72.1

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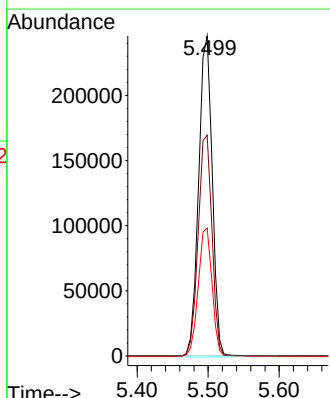
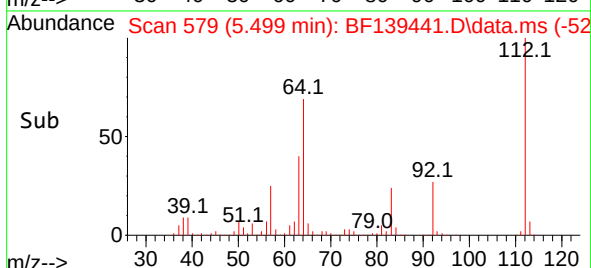
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

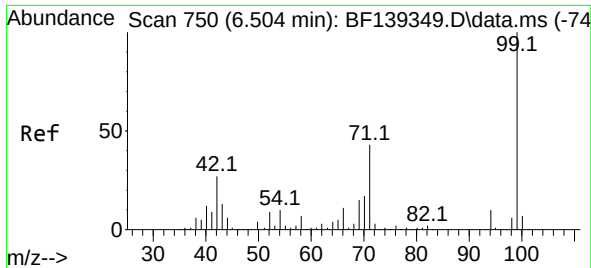


#5
2-Fluorophenol
Concen: 83.570 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38



Tgt Ion:112 Resp: 327141
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 40.0 33.0 49.4





#7

Phenol-d6

Concen: 85.872 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

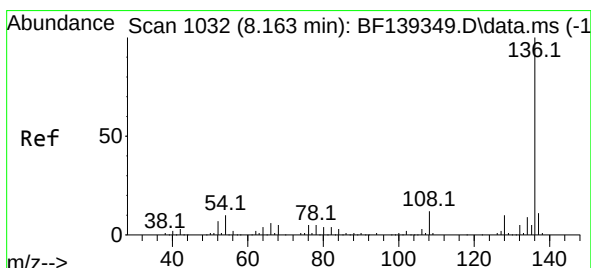
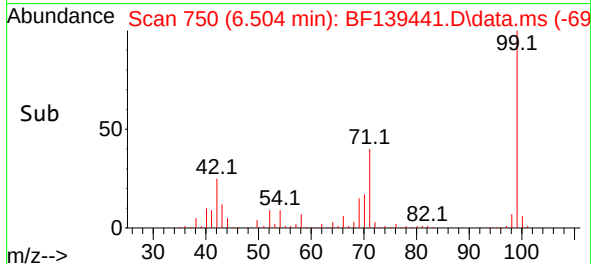
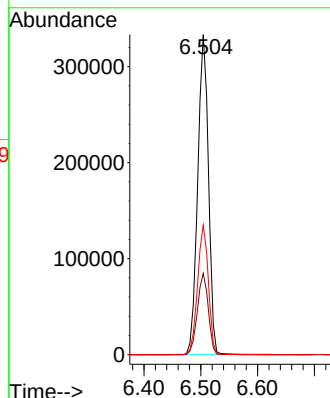
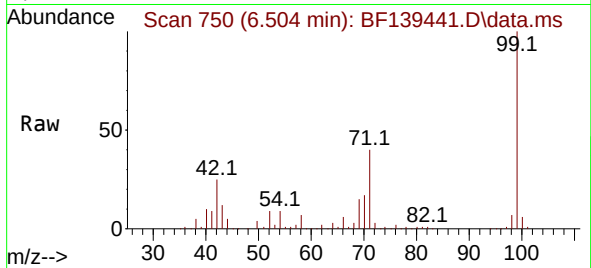
Tgt Ion: 99 Resp: 441219

Ion	Ratio	Lower	Upper
99	100		
42	25.4	21.9	32.9
71	40.4	34.6	52.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

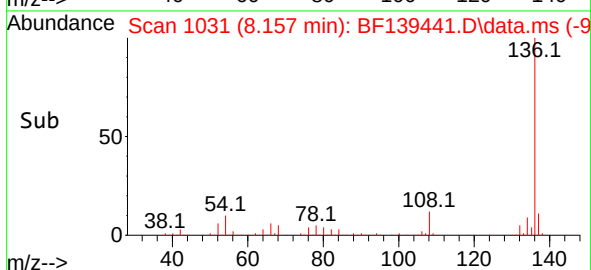
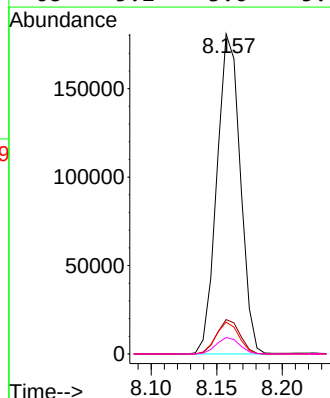
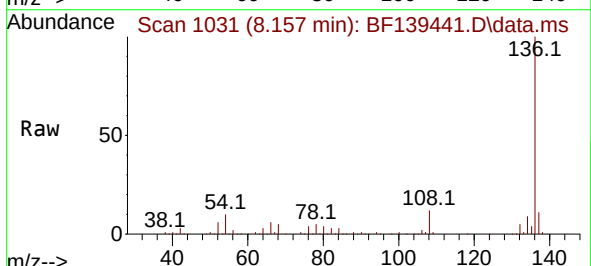
Delta R.T. -0.006 min

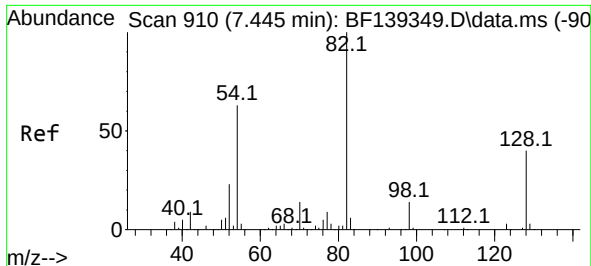
Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Tgt Ion:136 Resp: 224403

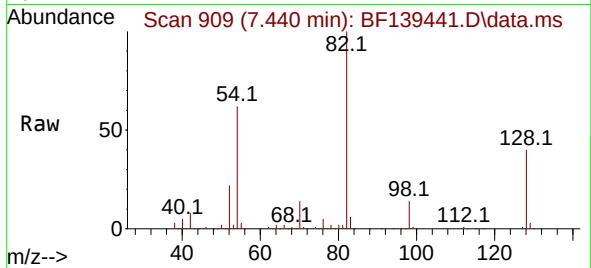
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.0	7.8	11.8
68	5.2	3.6	5.4





#23
Nitrobenzene-d5
Concen: 58.942 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

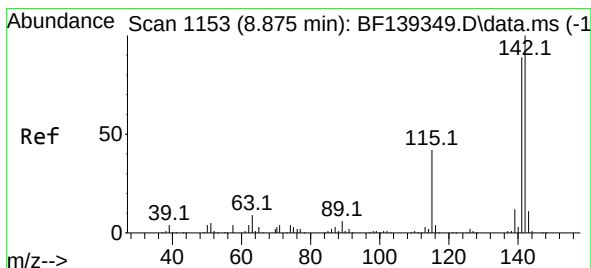
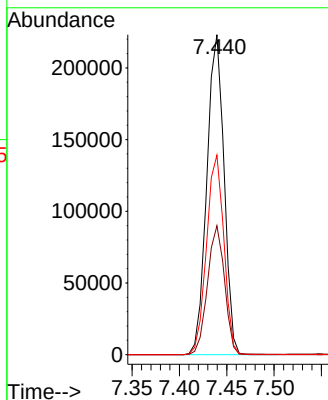
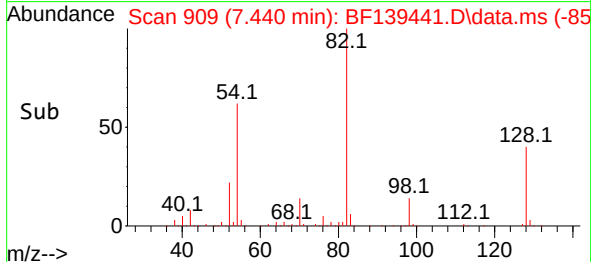
Instrument :
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ClientSampleId :
NB-614-COMP-06



Tgt Ion: 82 Resp: 28135
Ion Ratio Lower Upper
82 100
128 40.3 31.8 47.6
54 62.3 50.6 75.8

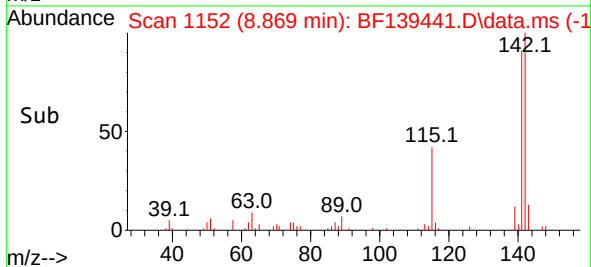
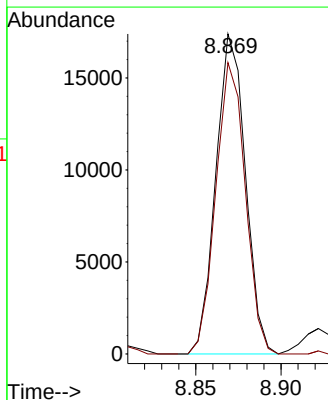
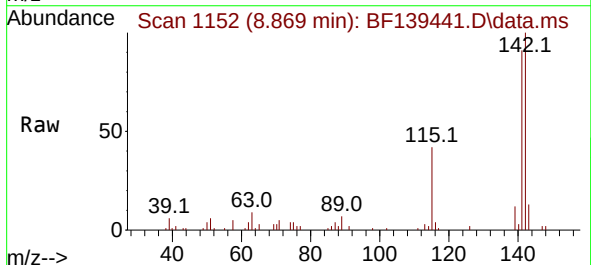
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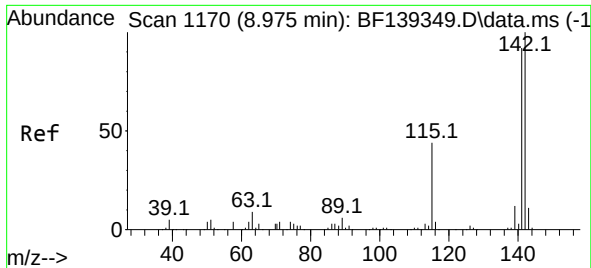
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#37
2-Methylnaphthalene
Concen: 2.825 ng
RT: 8.869 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:142 Resp: 21008
Ion Ratio Lower Upper
142 100
141 91.0 71.6 107.4





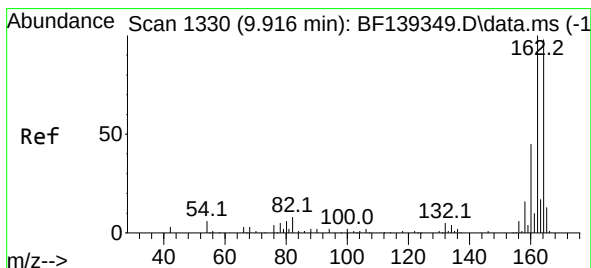
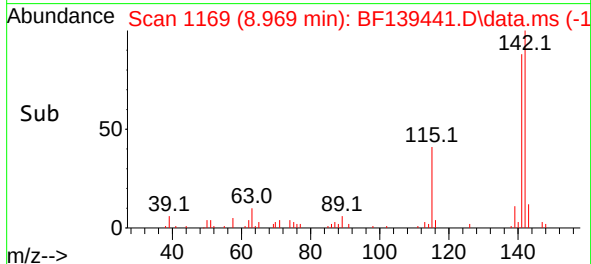
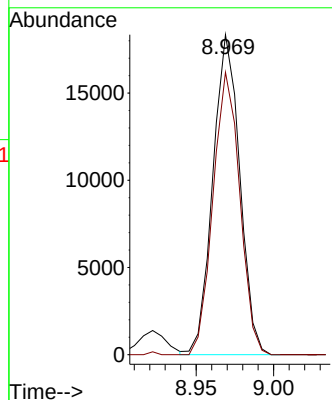
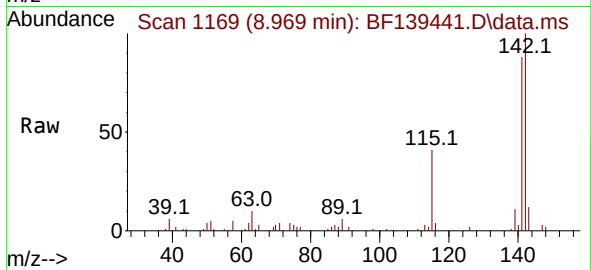
#38
1-Methylnaphthalene
Concen: 3.031 ng
RT: 8.969 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06

Tgt Ion:142 Resp: 2213
Ion Ratio Lower Upper
142 100
141 88.2 73.2 109.8

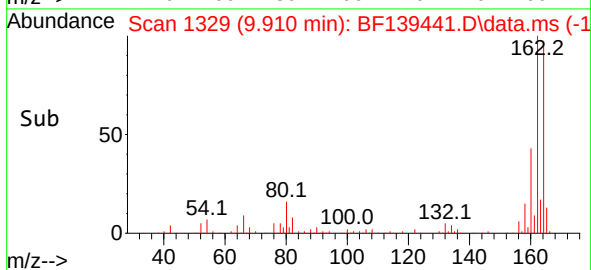
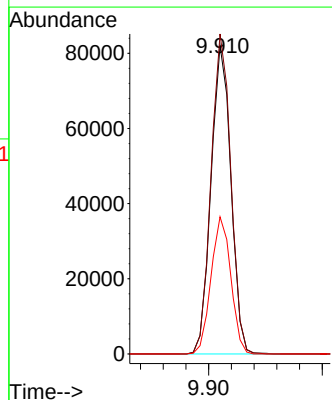
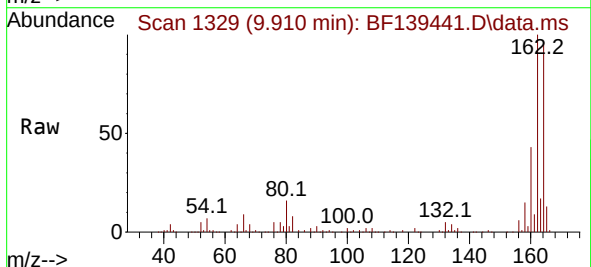
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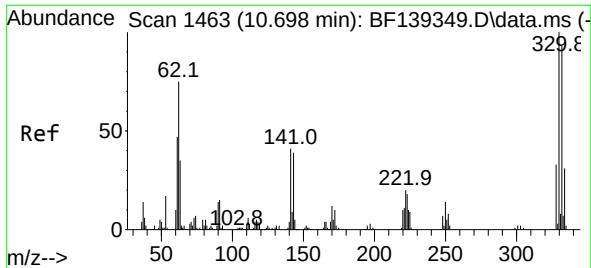
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

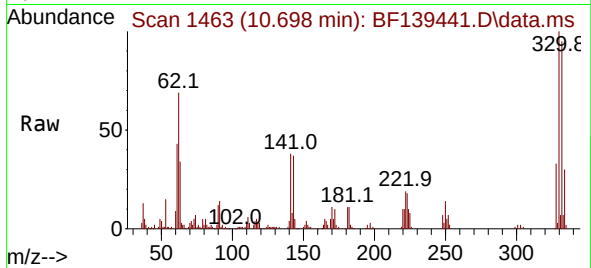
Tgt Ion:164 Resp: 99483
Ion Ratio Lower Upper
164 100
162 103.7 81.3 121.9
160 44.4 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 72.538 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

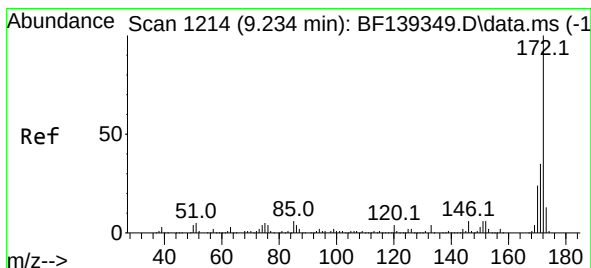
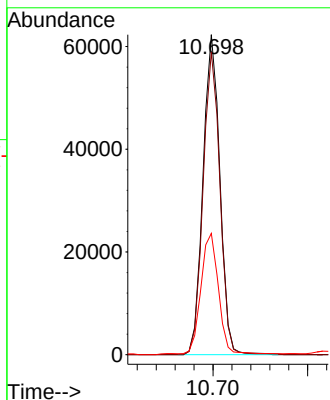
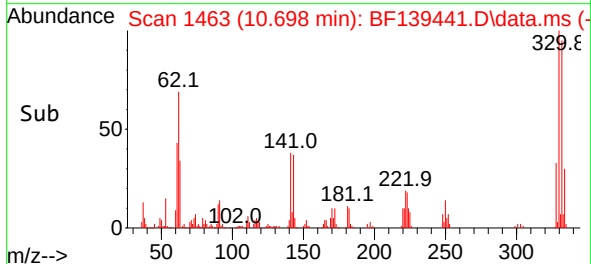
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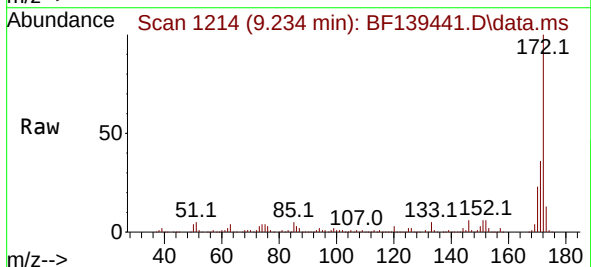
Tgt Ion: 330 Resp: 76820
Ion Ratio Lower Upper
330 100
332 94.6 75.2 112.8
141 40.5 31.2 46.8

Manual Integrations
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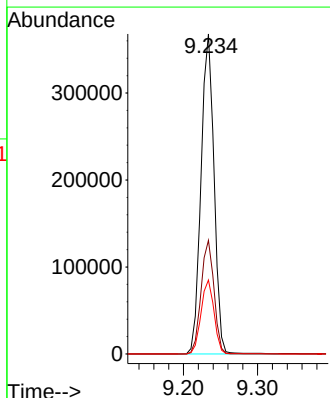
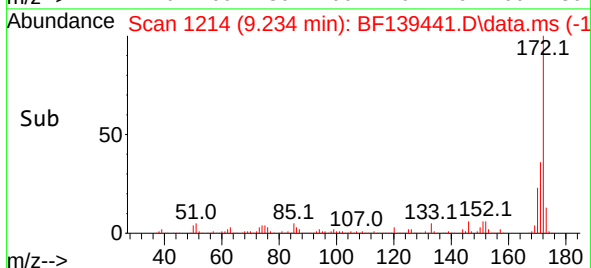
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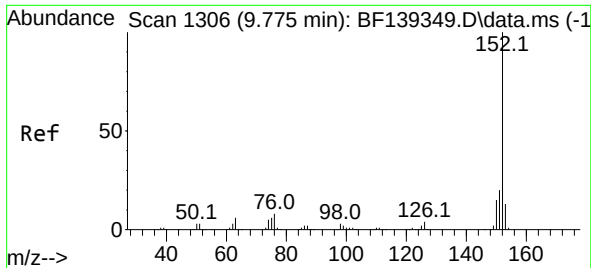


#45
2-Fluorobiphenyl
Concen: 63.342 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38



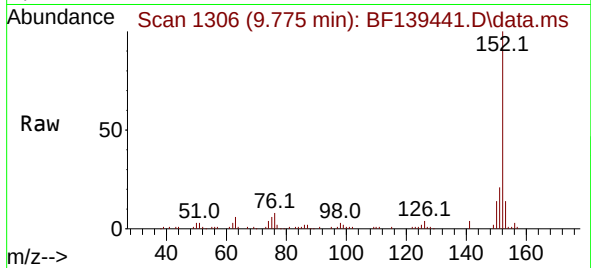
Tgt Ion: 172 Resp: 449298
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.1 19.0 28.6





#49
Acenaphthylene
Concen: 6.119 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

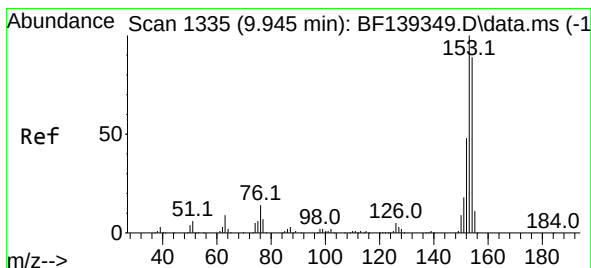
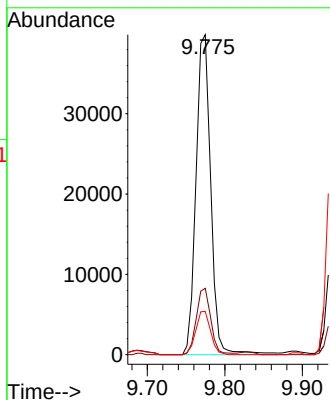
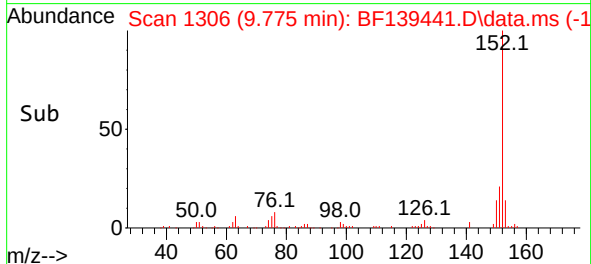
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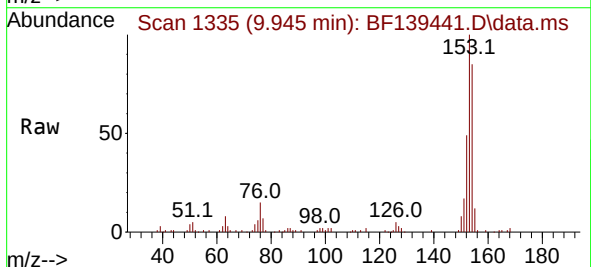
Tgt Ion:152 Resp: 52710
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 13.5 10.3 15.5

Manual Integrations
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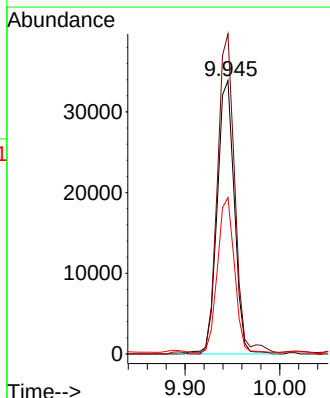
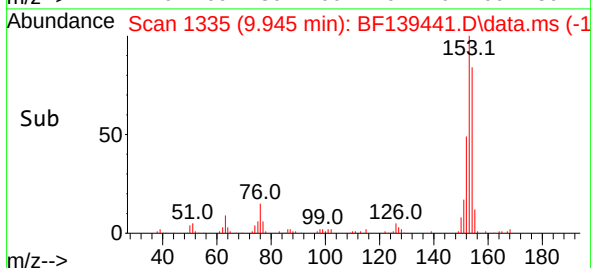
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

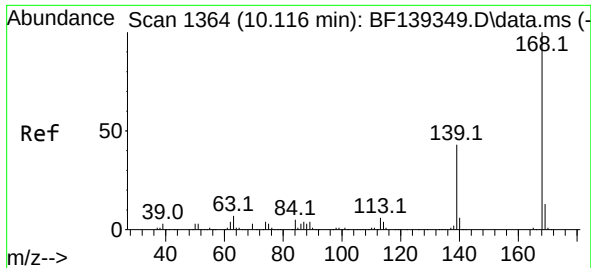


#52
Acenaphthene
Concen: 7.119 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38



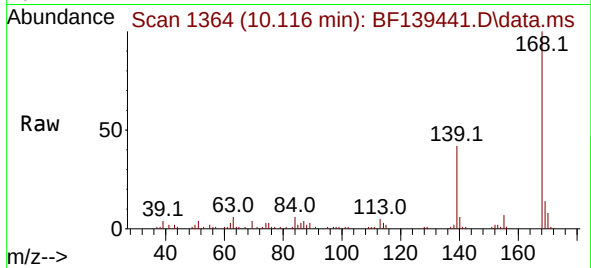
Tgt Ion:154 Resp: 42801
Ion Ratio Lower Upper
154 100
153 117.1 89.5 134.3
152 57.2 42.6 64.0





#55
Dibenzenofuran
Concen: 4.516 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

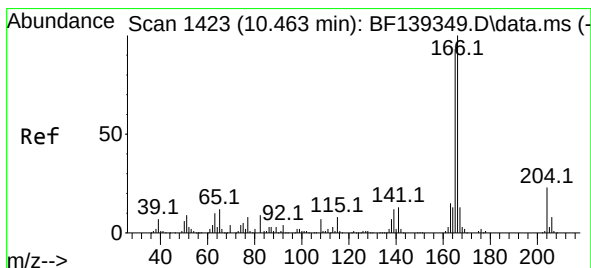
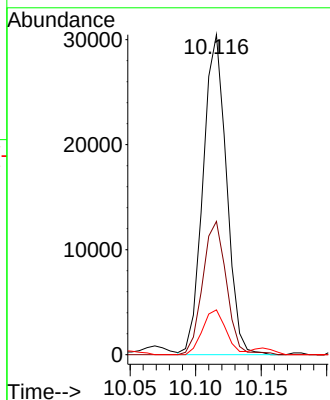
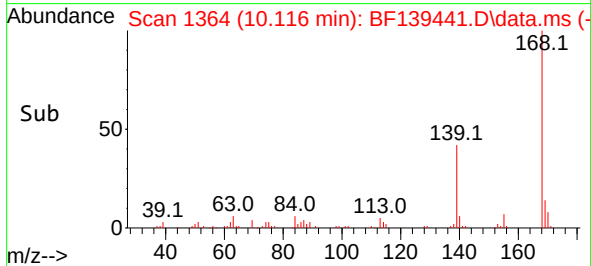
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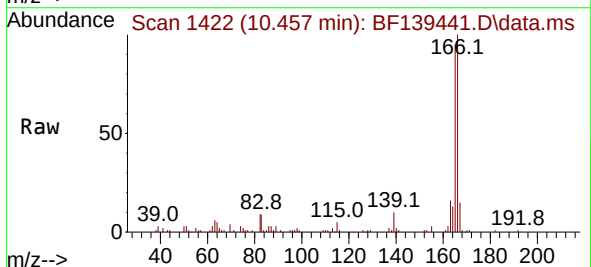
Tgt Ion:168 Resp: 37840
Ion Ratio Lower Upper
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139 41.7 34.1 51.1
169 14.0 10.5 15.7

Manual Integrations
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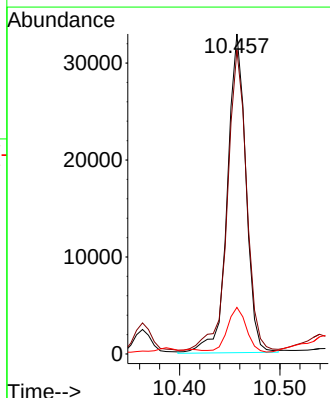
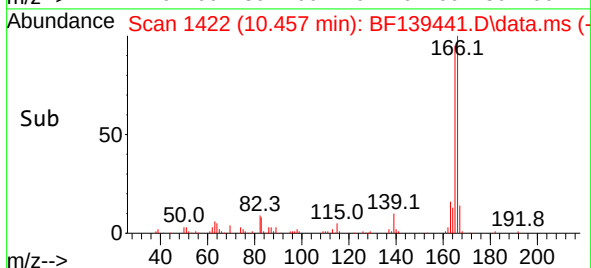
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

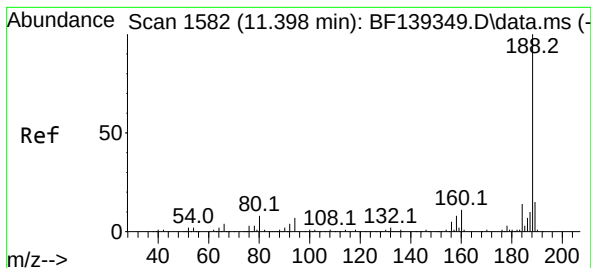


#58
Fluorene
Concen: 6.189 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38



Tgt Ion:166 Resp: 42315
Ion Ratio Lower Upper
166 100
165 95.0 74.5 111.7
167 14.5 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: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

NB-614-COMP-06

Tgt Ion:188 Resp: 158292

Ion Ratio Lower Upper

188 100

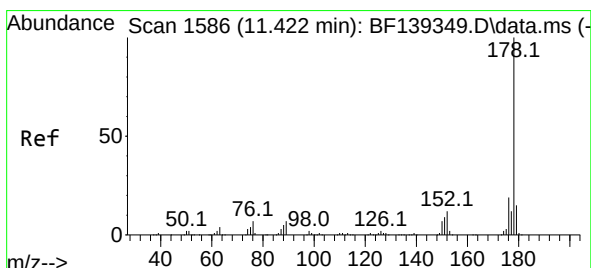
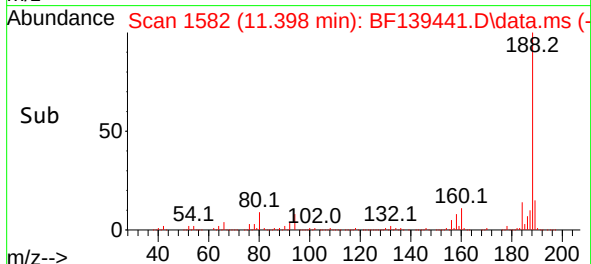
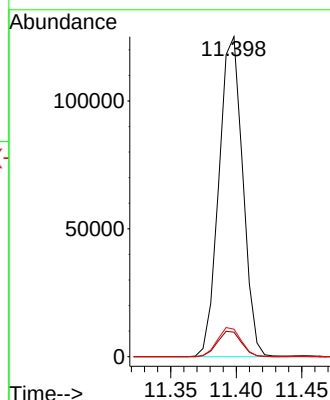
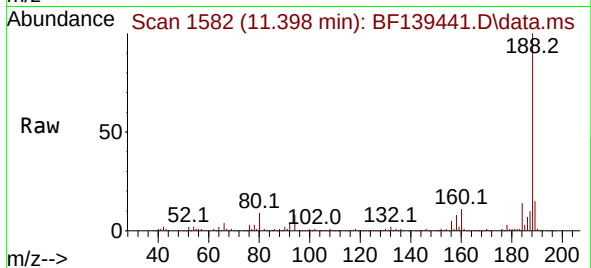
94 7.6 5.5 8.3

80 8.6 6.6 9.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#71

Phenanthrene

Concen: 27.769 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

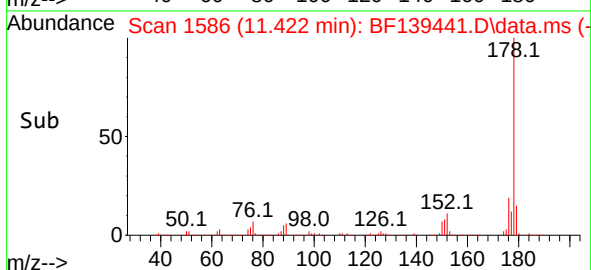
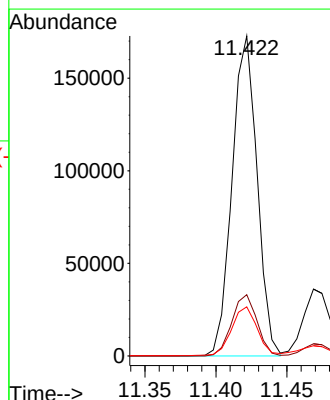
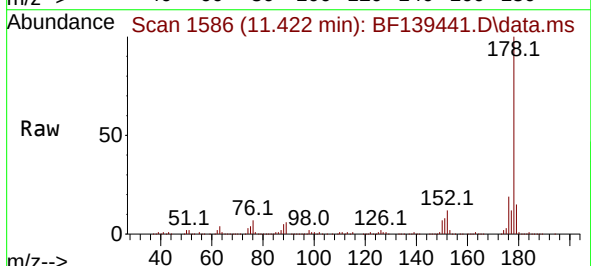
Tgt Ion:178 Resp: 212070

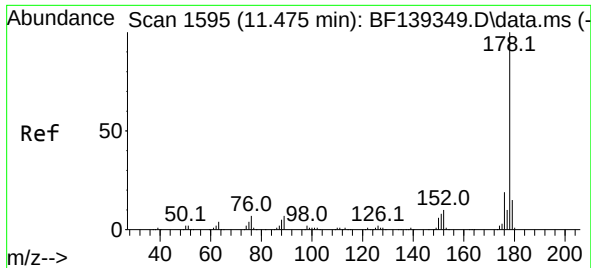
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

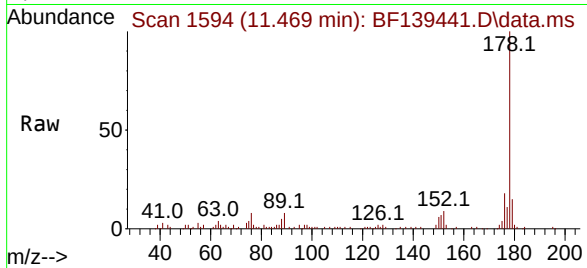
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 6.387 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF139441.D
 Acq: 18 Sep 2024 22:38

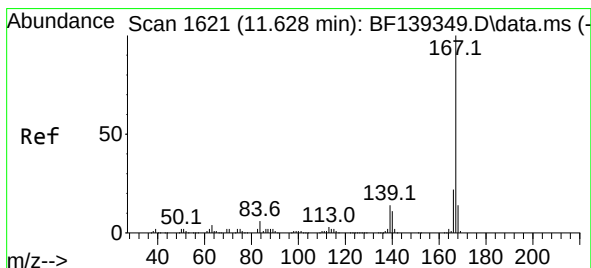
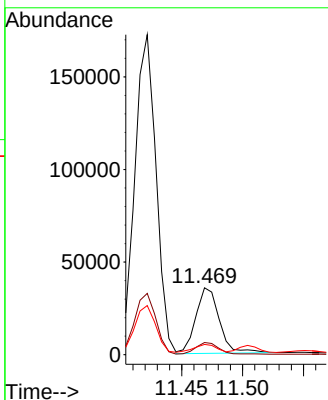
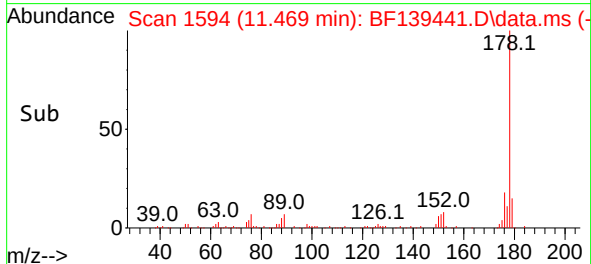
Instrument :
 BNA_F
 ClientSampleId :
 NB-614-COMP-06



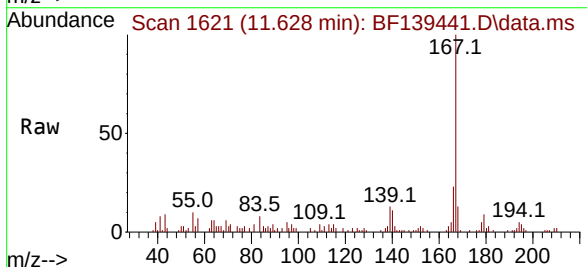
Tgt Ion:178 Resp: 47694
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 15.3 12.0 18.0

Manual Integrations
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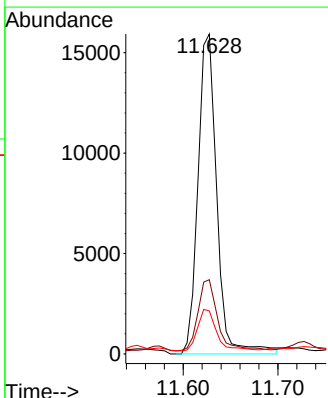
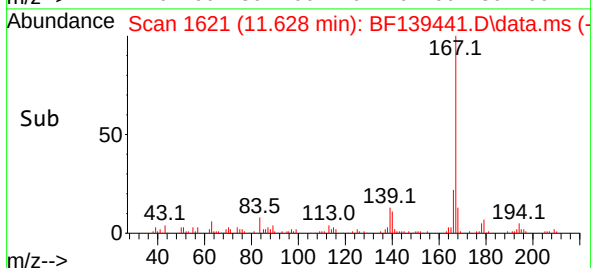
Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

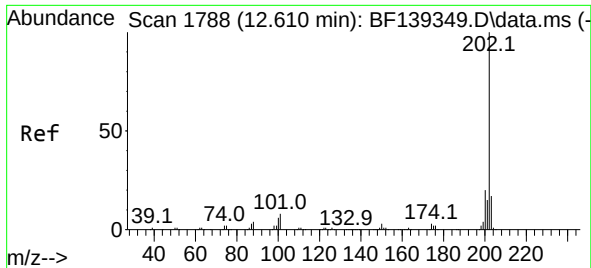


#73
 Carbazole
 Concen: 3.080 ng
 RT: 11.628 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139441.D
 Acq: 18 Sep 2024 22:38



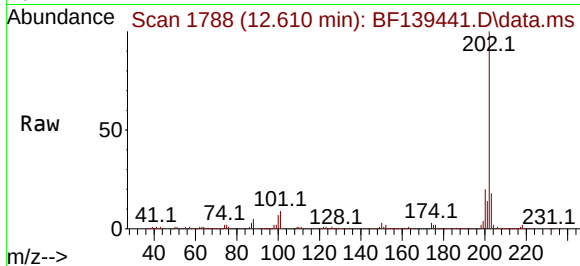
Tgt Ion:167 Resp: 22013
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.5 26.3
 139 13.5 10.9 16.3





#75
Fluoranthene
Concen: 55.943 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

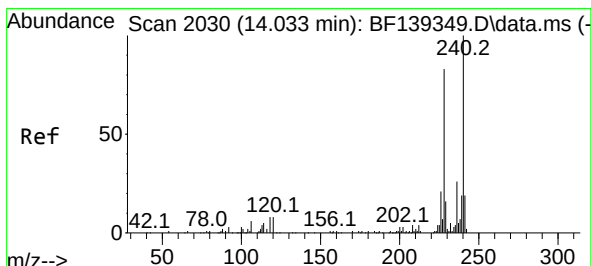
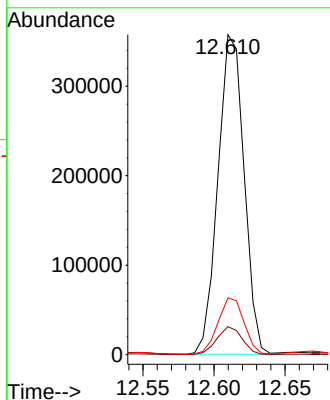
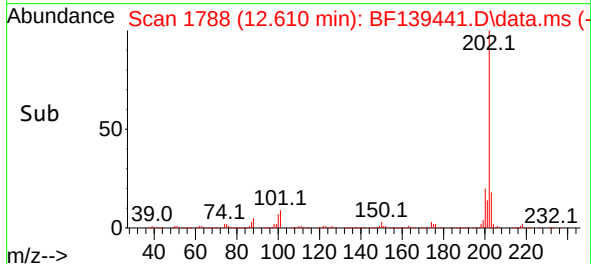
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06



Tgt Ion:202 Resp: 456245
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 17.8 0.0 37.4

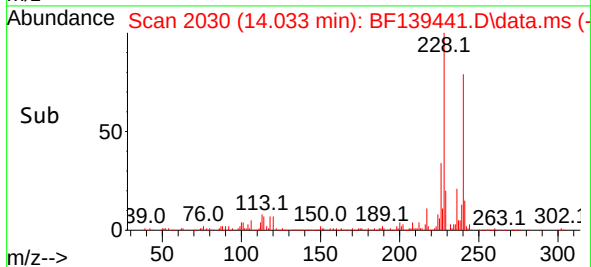
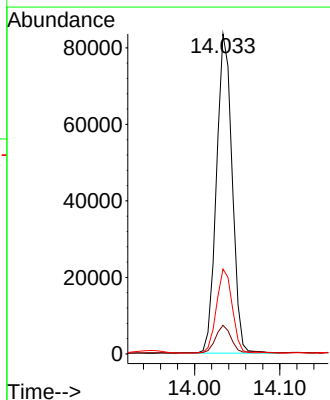
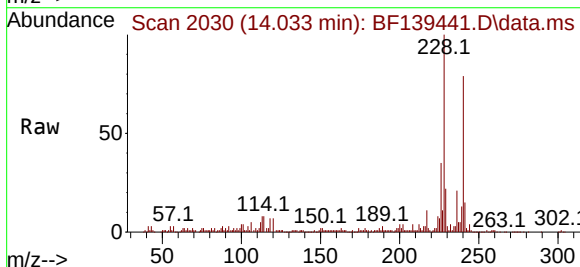
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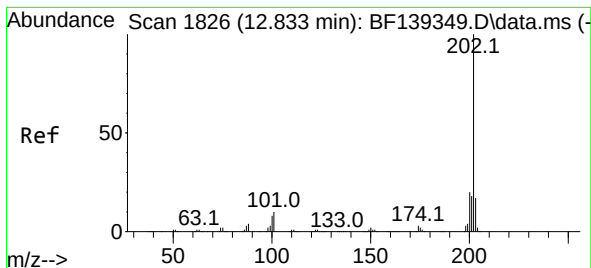
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:240 Resp: 106928
Ion Ratio Lower Upper
240 100
120 9.0 6.2 9.2
236 26.5 20.9 31.3





#78

Pyrene

Concen: 45.550 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

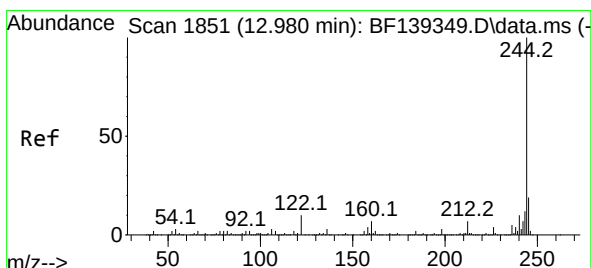
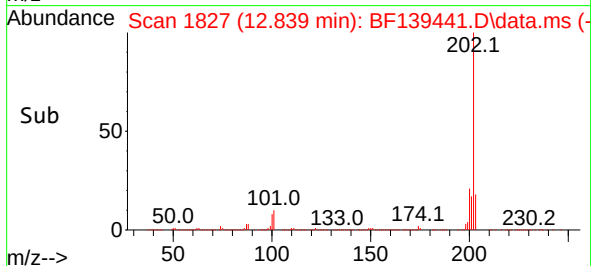
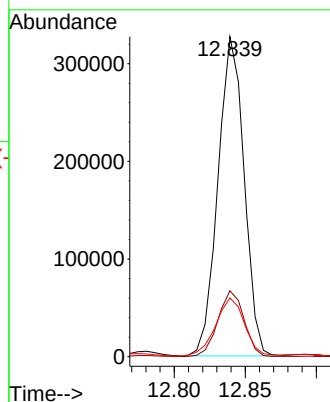
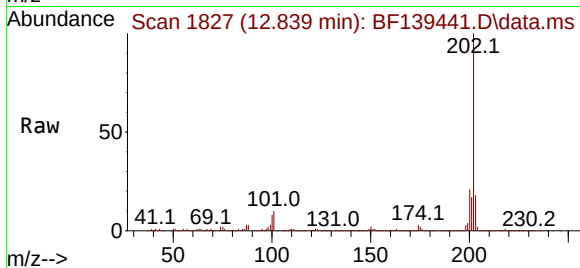
NB-614-COMP-06

Tgt Ion:	202	Resp:	41820
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.2	24.2
203	18.3	13.9	20.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#79

Terphenyl-d14

Concen: 52.157 ng

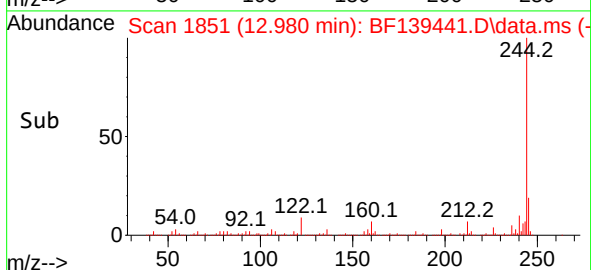
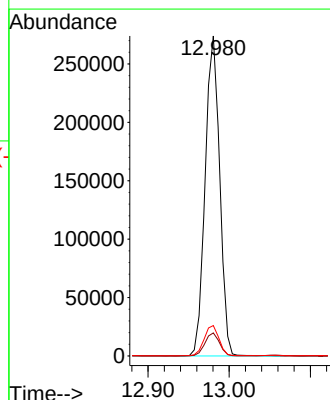
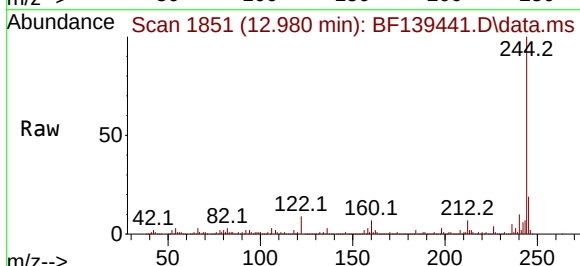
RT: 12.980 min Scan# 1851

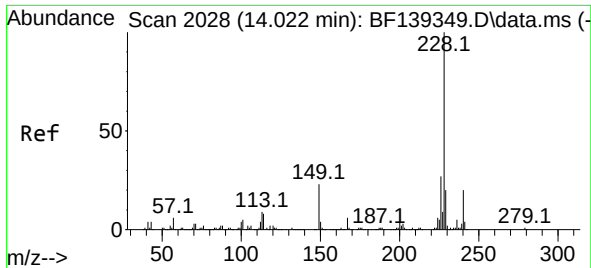
Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

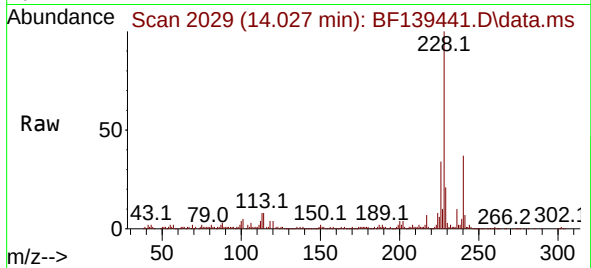
Tgt Ion:	244	Resp:	339777
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	9.5	7.6	11.4





#81
Benzo(a)anthracene
Concen: 33.857 ng m
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

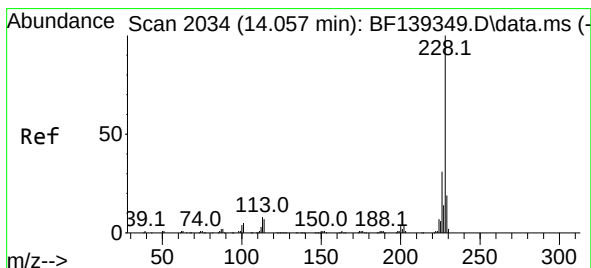
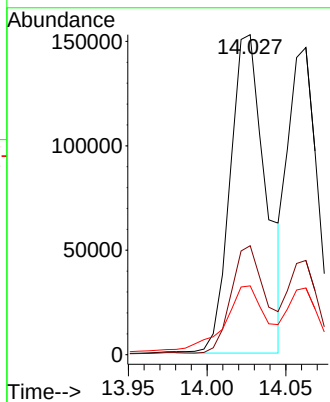
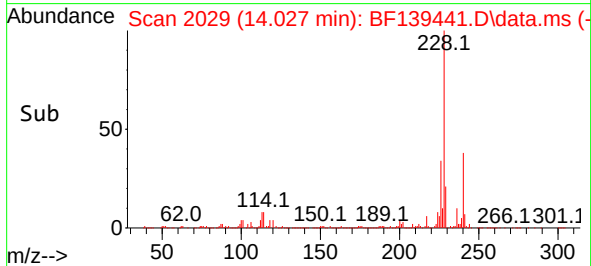
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06



Tgt Ion:228 Resp: 23980
Ion Ratio Lower Upper
228 100
226 34.0 21.6 32.4
229 21.5 15.7 23.5

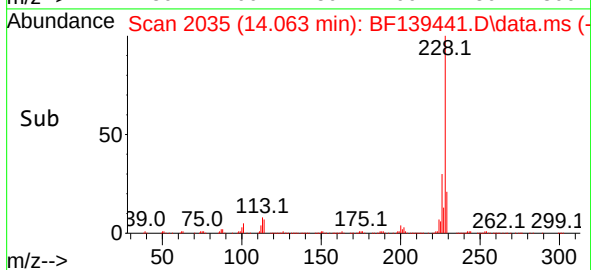
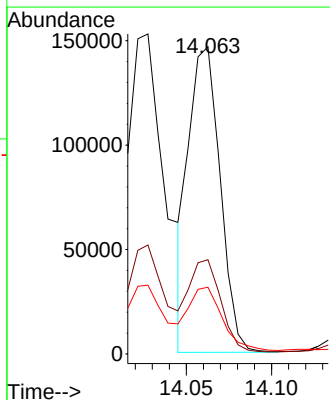
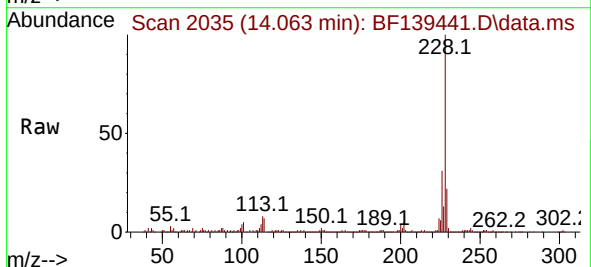
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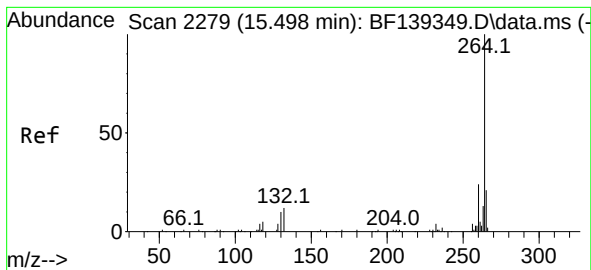
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#83
Chrysene
Concen: 28.820 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:228 Resp: 187798
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 21.7 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

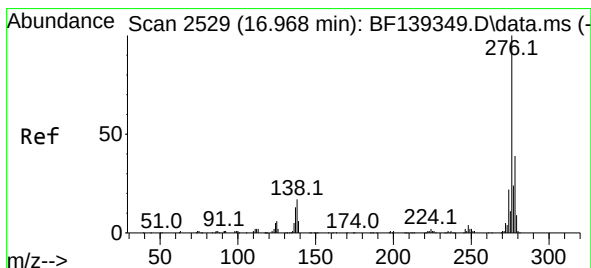
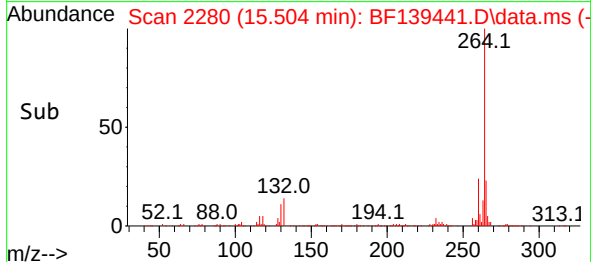
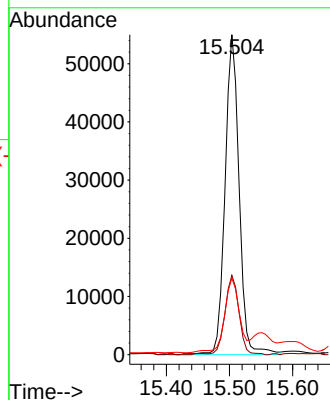
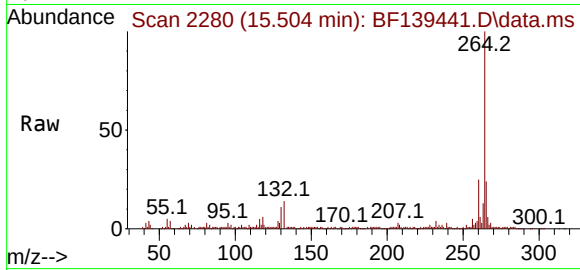
NB-614-COMP-06

Tgt Ion:	264	Resp:	8488
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	23.9	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 14.524 ng

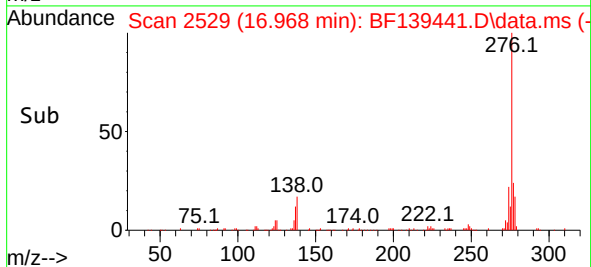
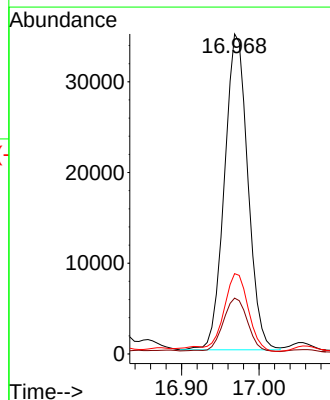
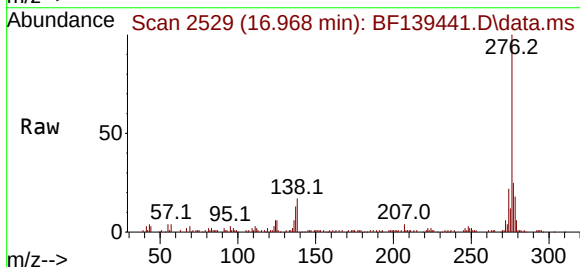
RT: 16.968 min Scan# 2529

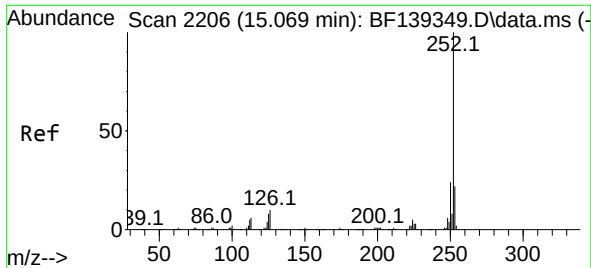
Delta R.T. -0.000 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

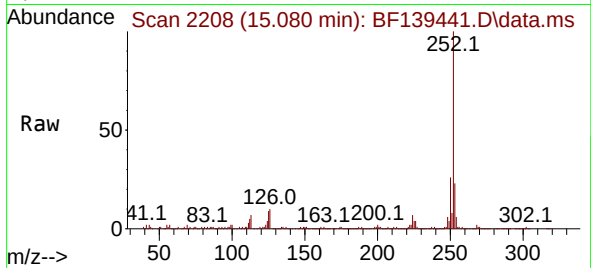
Tgt Ion:	276	Resp:	73311
Ion Ratio	Lower	Upper	
276	100		
138	17.6	15.4	23.2
277	25.3	20.4	30.6





#88
Benzo(b)fluoranthene
Concen: 41.394 ng m
RT: 15.080 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

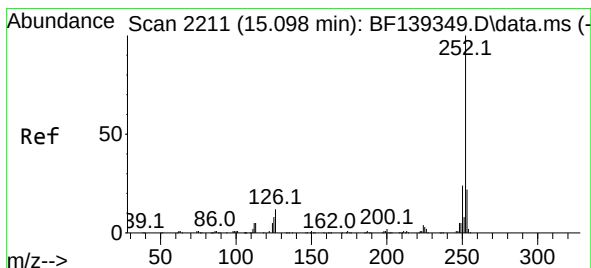
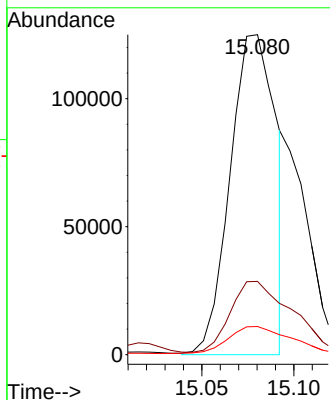
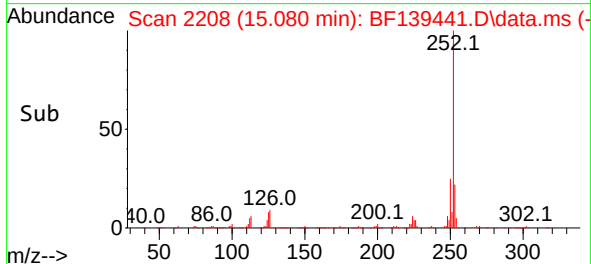
Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06



Tgt Ion:252 Resp: 216710
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 8.8 6.2 9.2

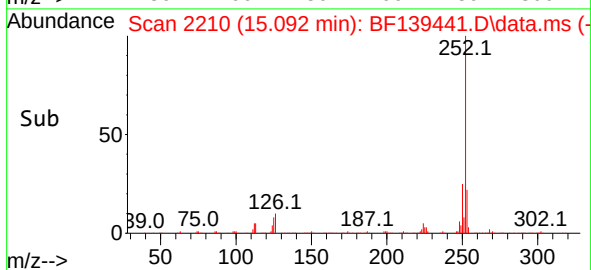
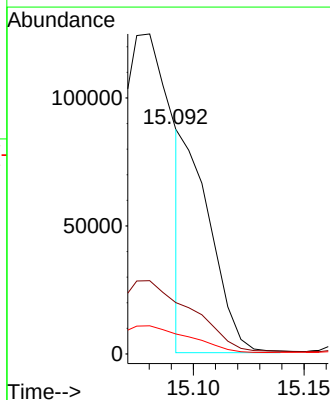
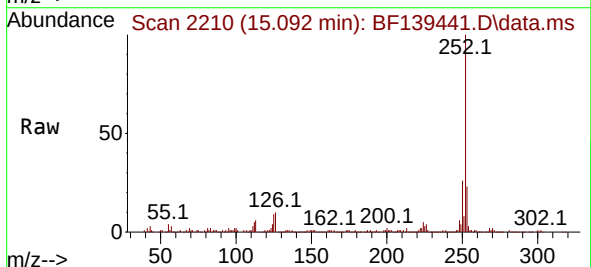
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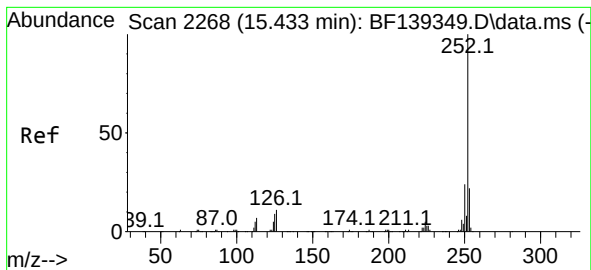
Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#89
Benzo(k)fluoranthene
Concen: 15.605 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Tgt Ion:252 Resp: 75328
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 8.9 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 31.508 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

Instrument :

BNA_F

ClientSampleId :

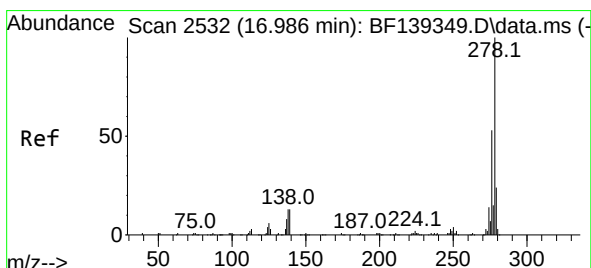
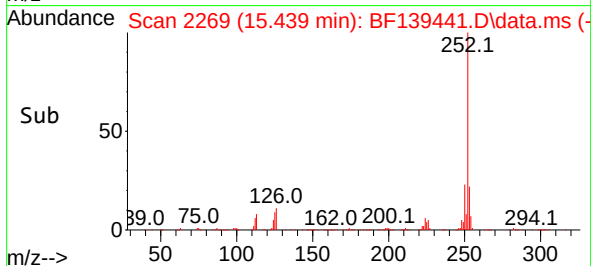
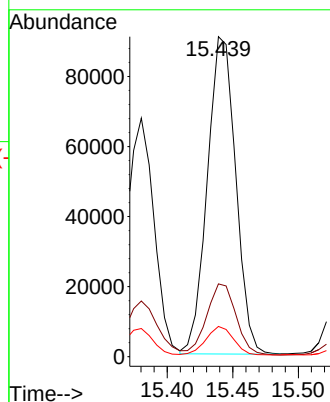
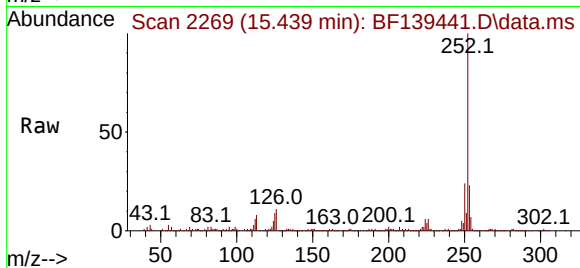
NB-614-COMP-06

Tgt Ion:252 Resp: 13680
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.3 25.9
 125 9.4 6.8 10.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#91

Dibenzo(a,h)anthracene

Concen: 4.482 ng

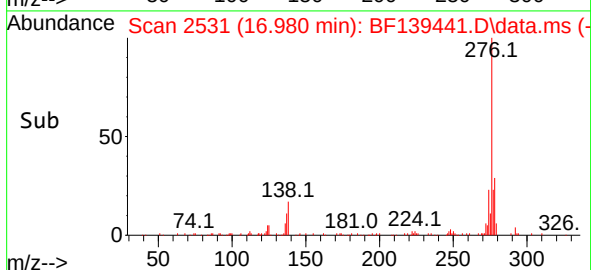
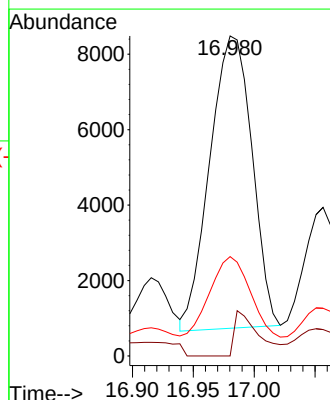
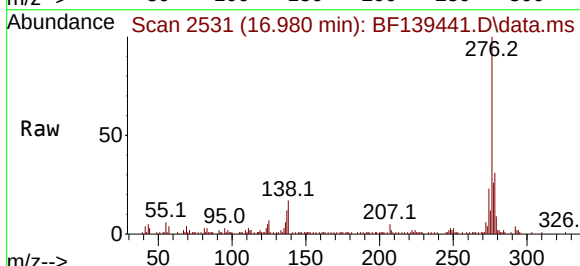
RT: 16.980 min Scan# 2531

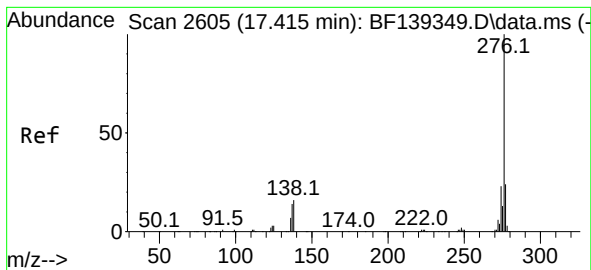
Delta R.T. -0.006 min

Lab File: BF139441.D

Acq: 18 Sep 2024 22:38

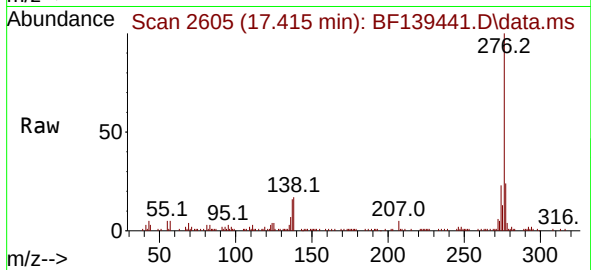
Tgt Ion:278 Resp: 18695
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.2 15.2#
 279 31.1 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 16.096 ng
RT: 17.415 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF139441.D
Acq: 18 Sep 2024 22:38

Instrument :
BNA_F
ClientSampleId :
NB-614-COMP-06



Tgt Ion:276 Resp: 6647
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 17.5 13.0 19.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

