

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139296.D
 Acq On : 10 Sep 2024 13:30
 Operator : RC/JU
 Sample : P3905-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
 Supervised By :mohammad ahmed 09/12/2024

Quant Time: Sep 10 14:07:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	119170	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	442964	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	244692	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	415494	20.000	ng	0.00
76) Chrysene-d12	14.045	240	193845	20.000	ng	0.00
86) Perylene-d12	15.527	264	220179	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	756015	106.127	ng	0.00
7) Phenol-d6	6.516	99	1028604	108.160	ng	0.00
23) Nitrobenzene-d5	7.451	82	662683	77.827	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	252065	119.295	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1233599	77.822	ng	0.00
79) Terphenyl-d14	12.998	244	984296	81.984	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	54335	2.799	ng	98
75) Fluoranthene	12.621	202	149728	7.694	ng	99
78) Pyrene	12.851	202	145287	7.759	ng	99
81) Benzo(a)anthracene	14.039	228	69218m	5.592	ng	
83) Chrysene	14.074	228	56597	4.899	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	46533	3.383	ng	95
88) Benzo(b)fluoranthene	15.092	252	107809m	8.502	ng	
89) Benzo(k)fluoranthene	15.110	252	34004m	2.991	ng	
90) Benzo(a)pyrene	15.462	252	76127	7.070	ng	98
92) Benzo(g,h,i)perylene	17.445	276	42415	3.625	ng	97

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

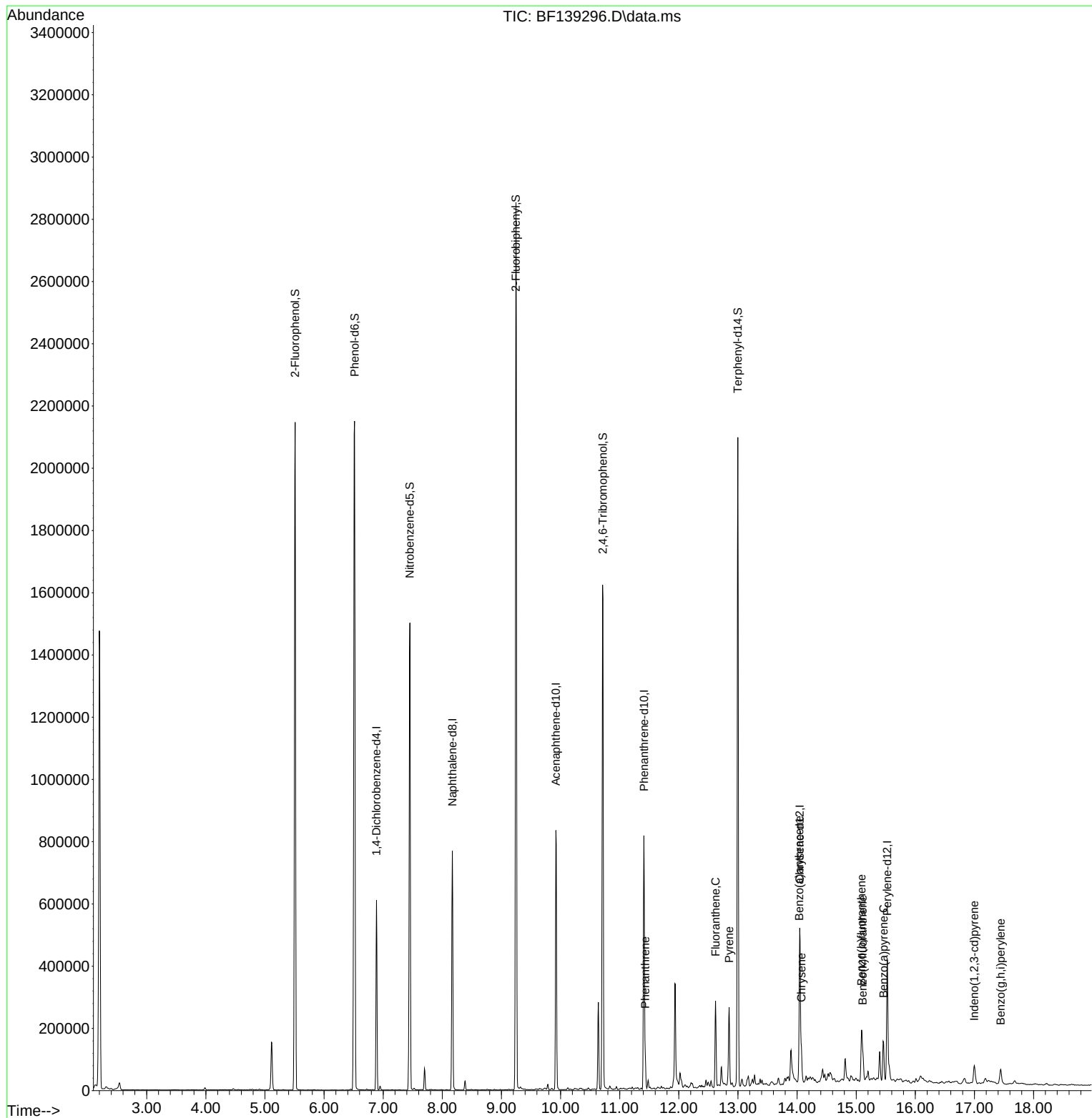
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
Data File : BF139296.D
Acq On : 10 Sep 2024 13:30
Operator : RC/JU
Sample : P3905-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

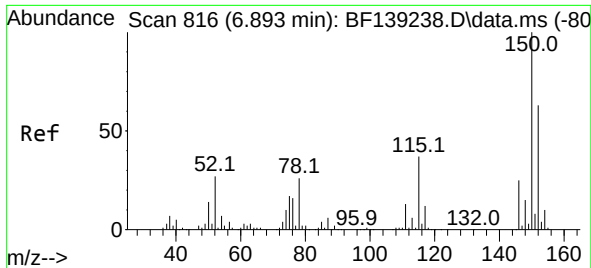
Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Time: Sep 10 14:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
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APPROVED

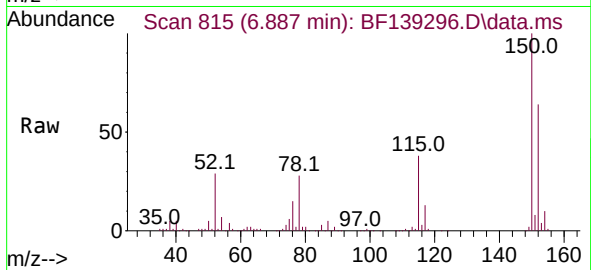
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

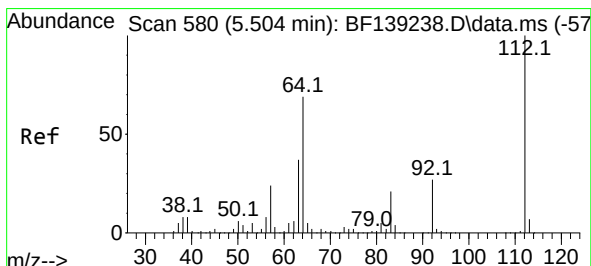
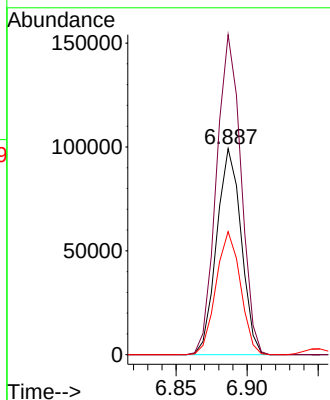
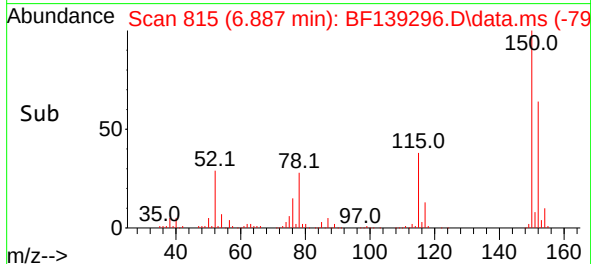
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:152 Resp: 119170
Ion Ratio Lower Upper
152 100
150 155.3 127.0 190.4
115 59.7 46.9 70.3

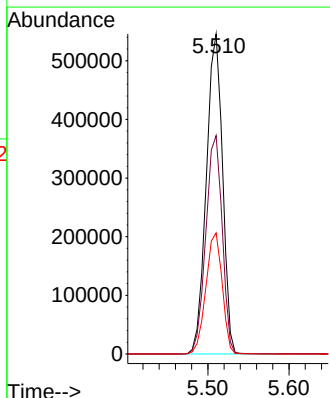
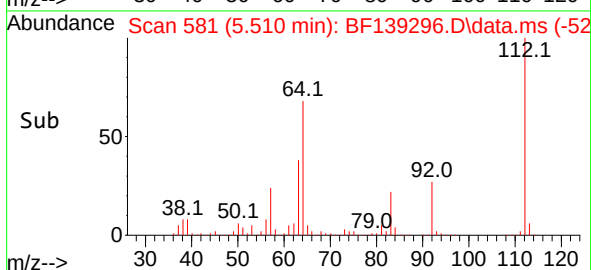
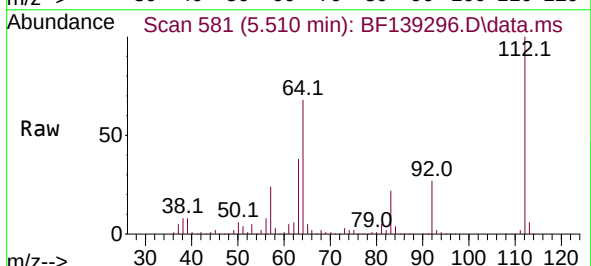
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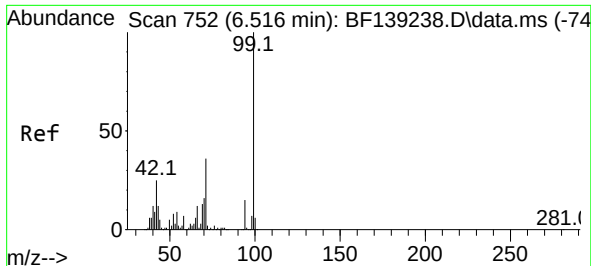
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#5
2-Fluorophenol
Concen: 106.127 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

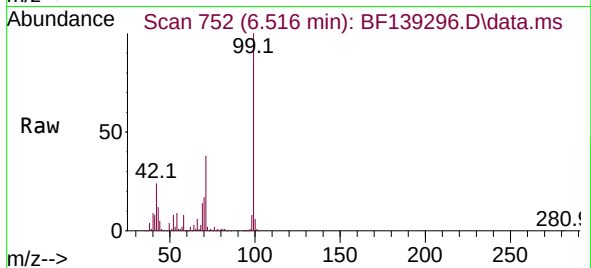
Tgt Ion:112 Resp: 756015
Ion Ratio Lower Upper
112 100
64 68.3 55.0 82.4
63 37.9 29.9 44.9





#7
Phenol-d6
Concen: 108.160 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

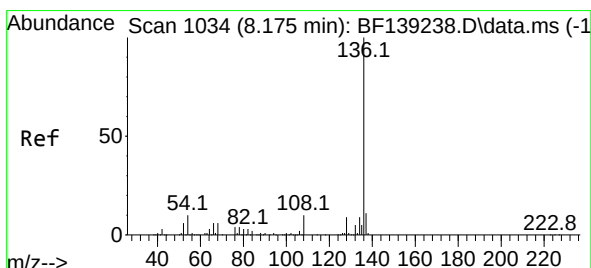
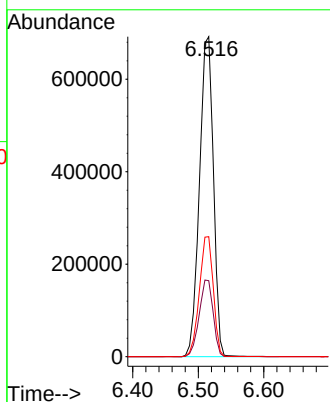
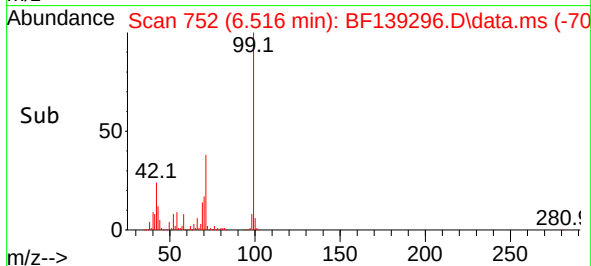
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion: 99 Resp: 1028604
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.6
71 37.5 28.8 43.2

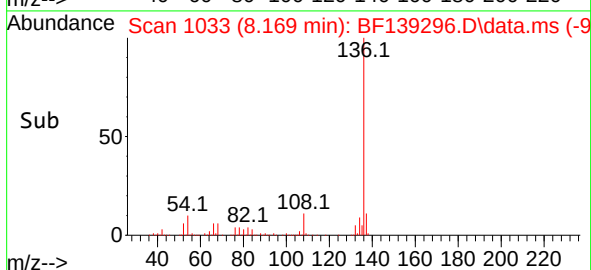
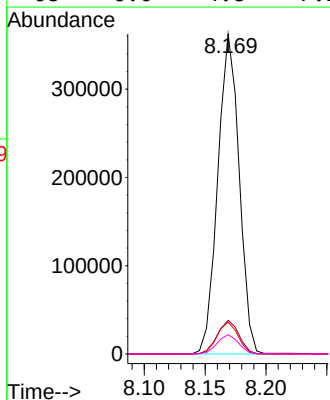
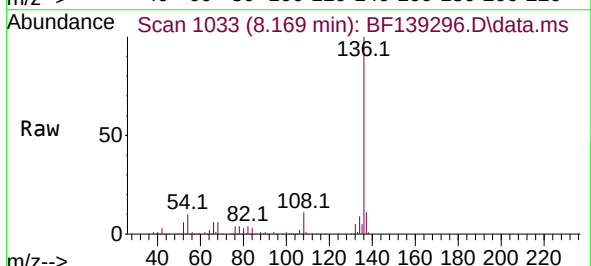
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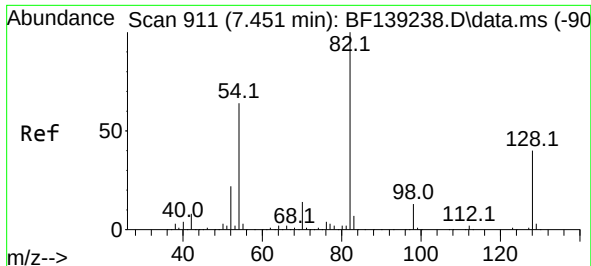
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

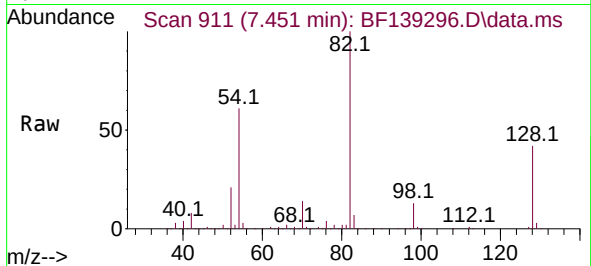
Tgt Ion:136 Resp: 442964
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.9 8.4 12.6
68 6.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 77.827 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

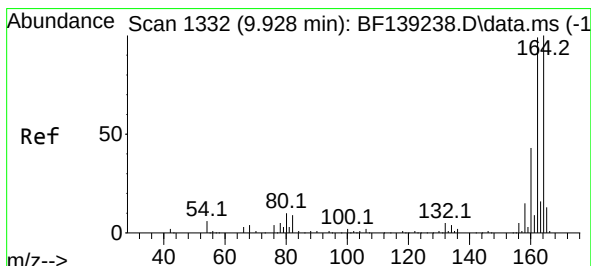
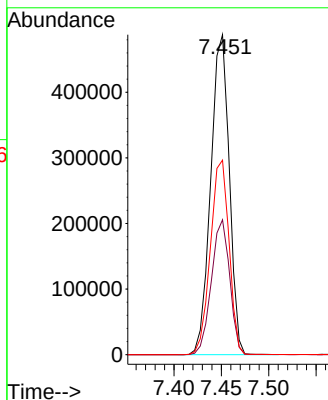
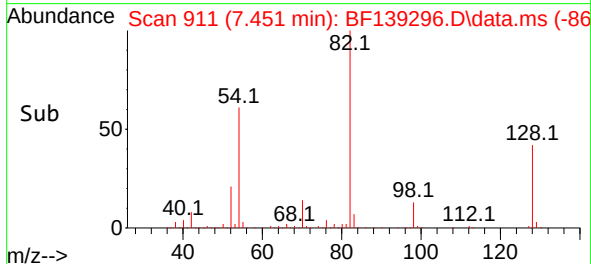
Instrument :
BNA_F
ClientSampleId :
COMP-1



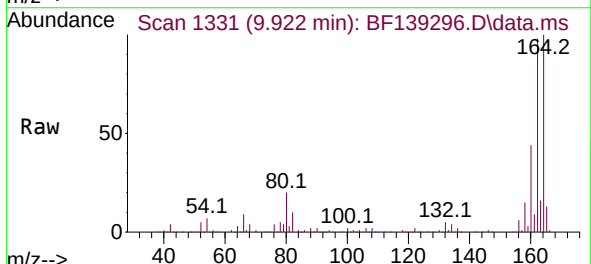
Tgt Ion: 82 Resp: 66268
Ion Ratio Lower Upper
82 100
128 42.1 32.3 48.5
54 60.8 51.2 76.8

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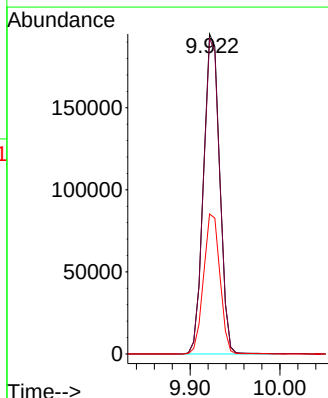
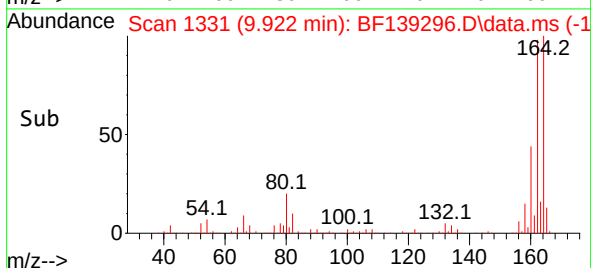
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024

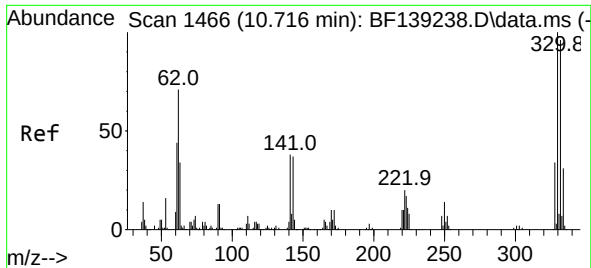


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30



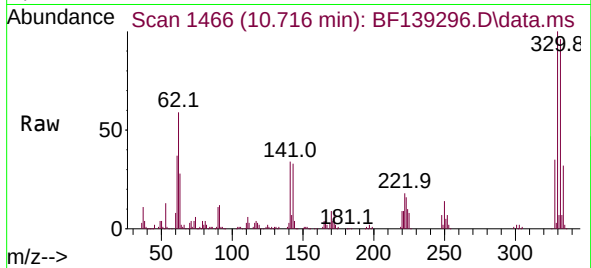
Tgt Ion:164 Resp: 244692
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 43.8 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 119.295 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

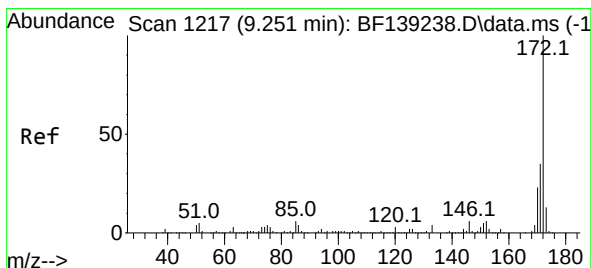
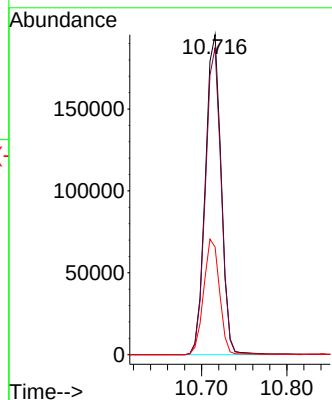
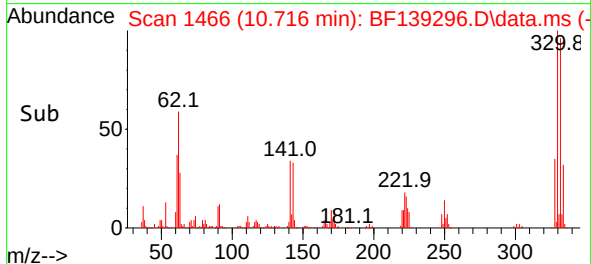
Instrument :
BNA_F
ClientSampleId :
COMP-1



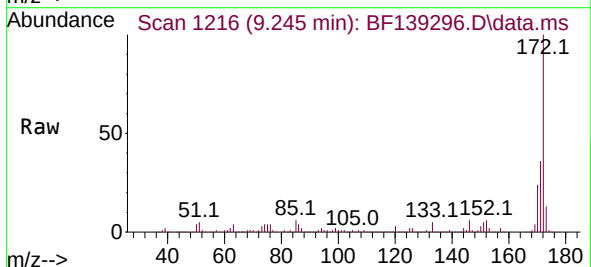
Tgt Ion:330 Resp: 252065
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 36.5 30.1 45.1

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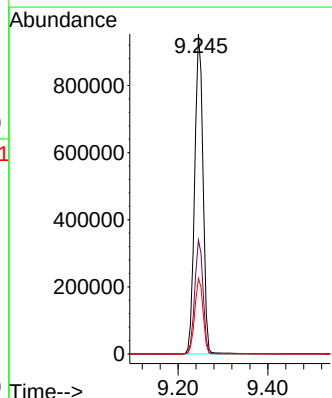
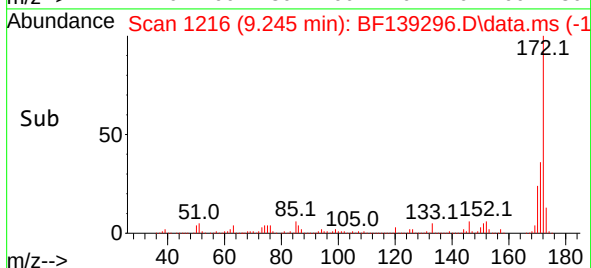
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024

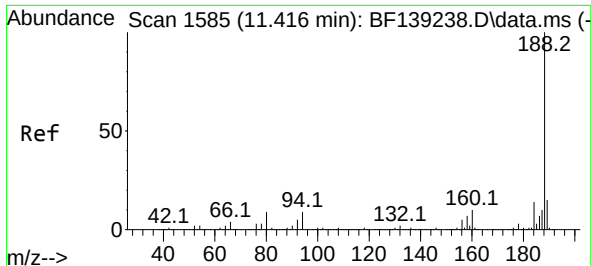


#45
2-Fluorobiphenyl
Concen: 77.822 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30



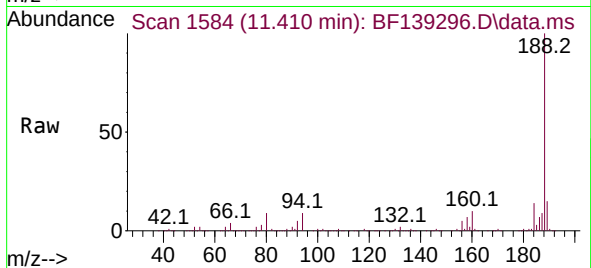
Tgt Ion:172 Resp: 1233599
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.6 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

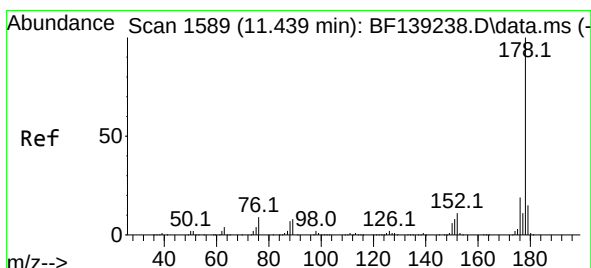
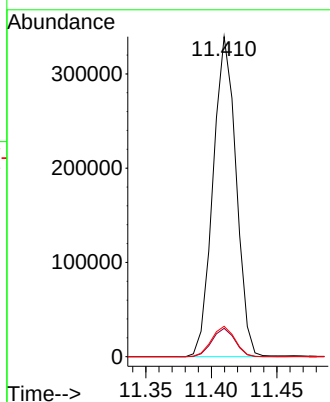
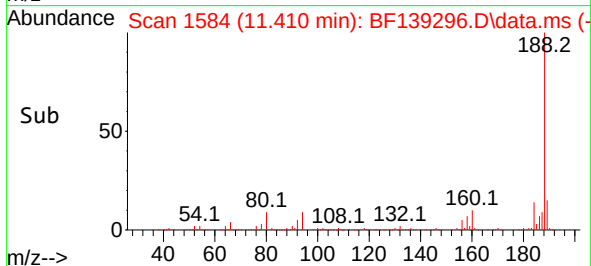
Instrument :
BNA_F
ClientSampleId :
COMP-1



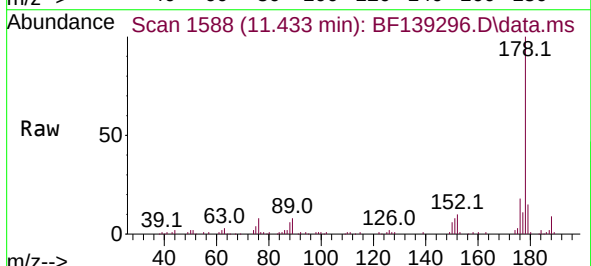
Tgt Ion:188 Resp: 415494
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 9.5 7.3 10.9

Manual Integrations
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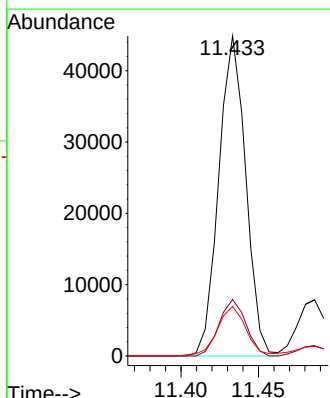
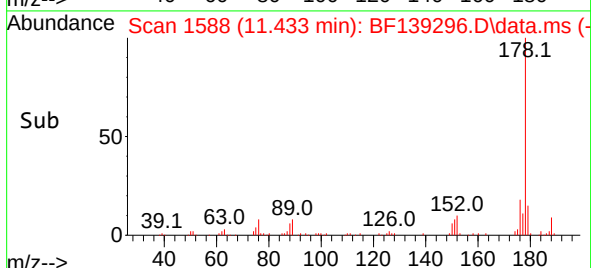
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024

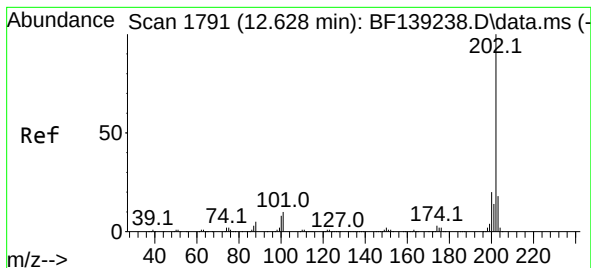


#71
Phenanthrene
Concen: 2.799 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30



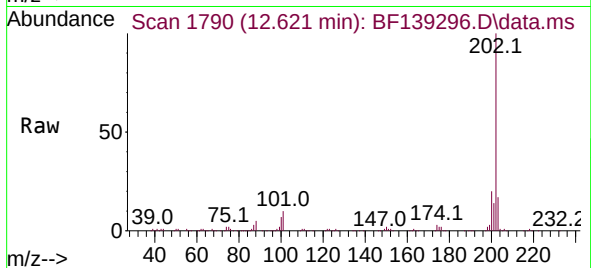
Tgt Ion:178 Resp: 54335
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 15.5 12.3 18.5





#75
Fluoranthene
Concen: 7.694 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

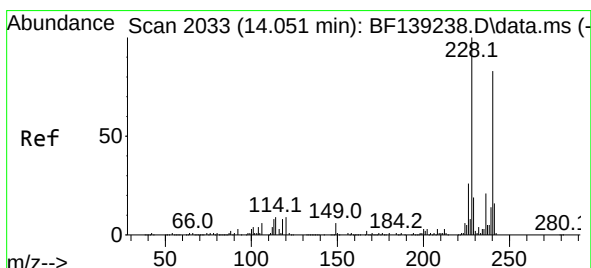
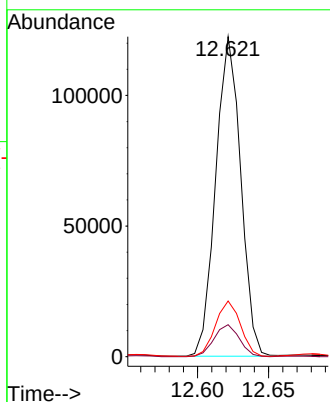
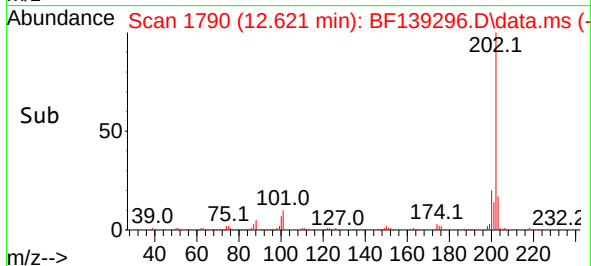
Instrument :
BNA_F
ClientSampleId :
COMP-1



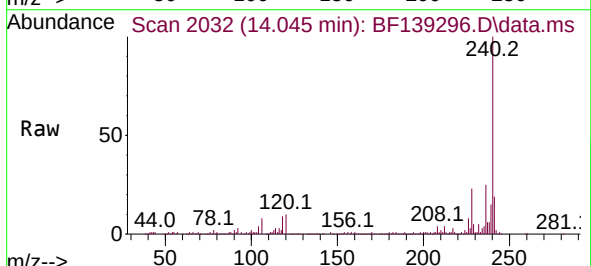
Tgt Ion:202 Resp: 149728
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.9
203 17.4 0.0 37.7

Manual Integrations
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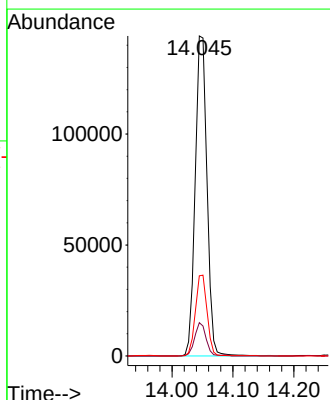
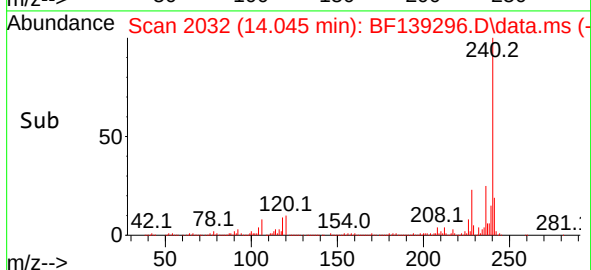
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024

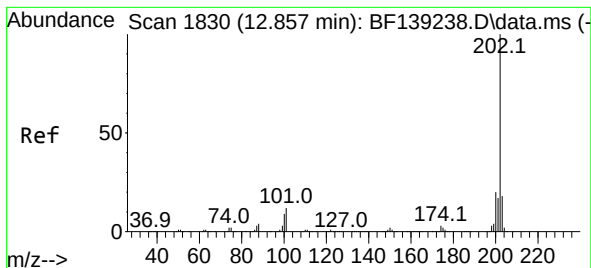


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30



Tgt Ion:240 Resp: 193845
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.0 20.7 31.1





#78

Pyrene

Concen: 7.759 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

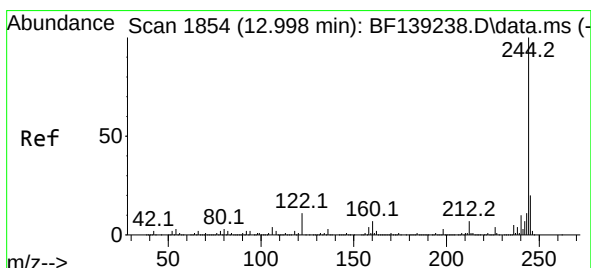
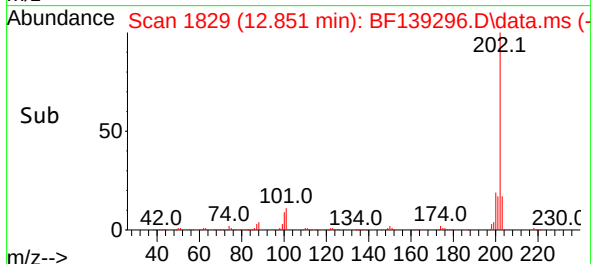
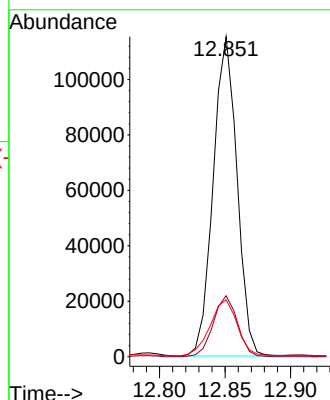
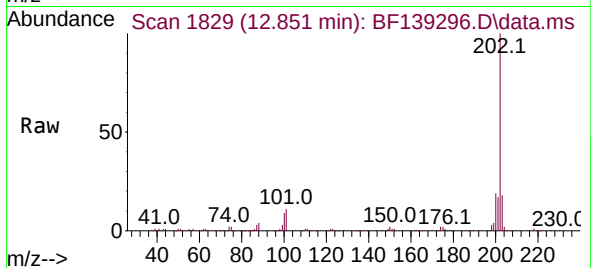
Tgt Ion:202 Resp: 14528

Ion	Ratio	Lower	Upper
202	100		
200	19.0	15.8	23.8
203	17.8	14.1	21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 81.984 ng

RT: 12.998 min Scan# 1854

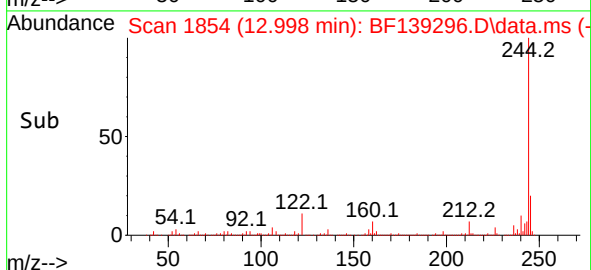
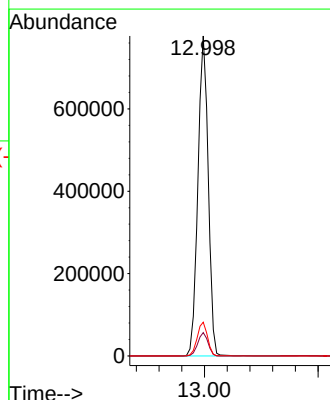
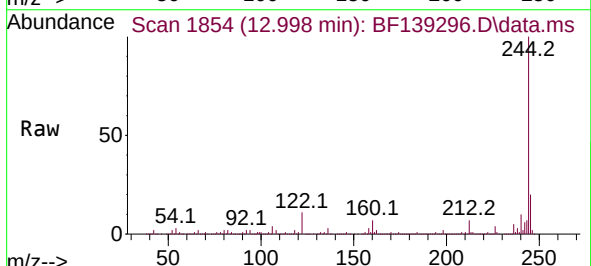
Delta R.T. -0.000 min

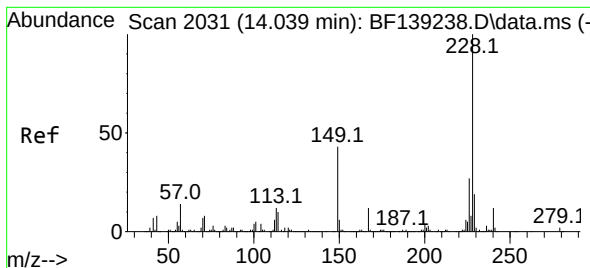
Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Tgt Ion:244 Resp: 984296

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.5	8.7	13.1





#81

Benzo(a)anthracene

Concen: 5.592 ng m

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139296.D

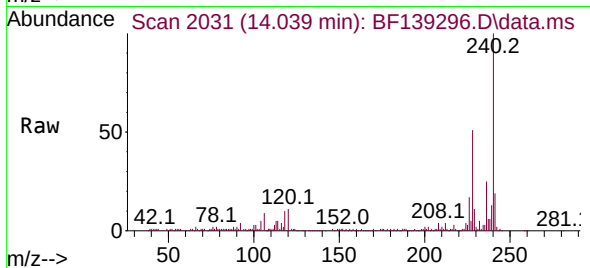
Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion:228 Resp: 69218

Ion Ratio Lower Upper

228 100

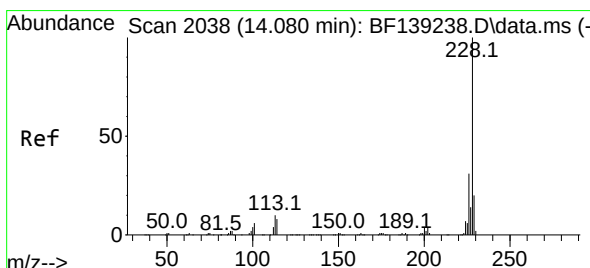
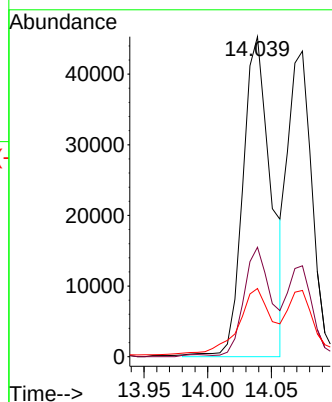
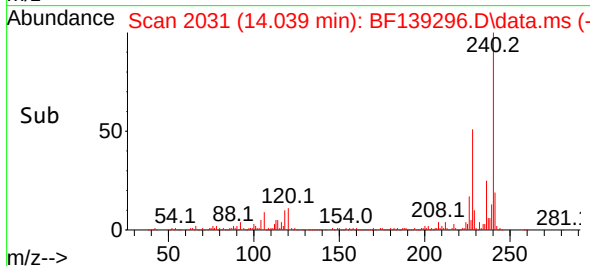
226 34.2 21.5 32.3

229 21.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#83

Chrysene

Concen: 4.899 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

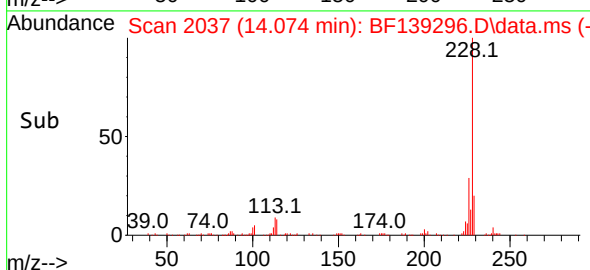
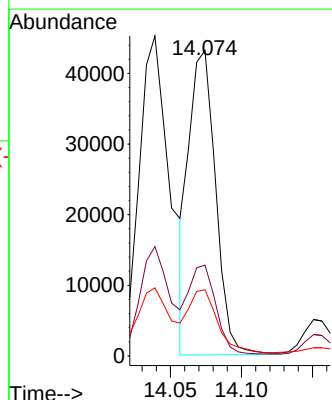
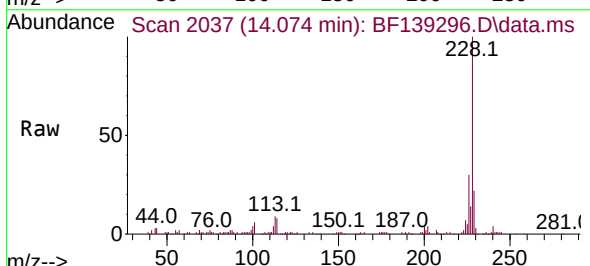
Tgt Ion:228 Resp: 56597

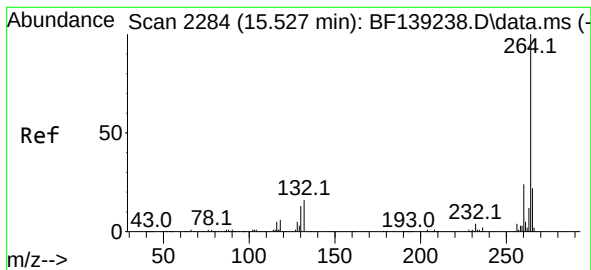
Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

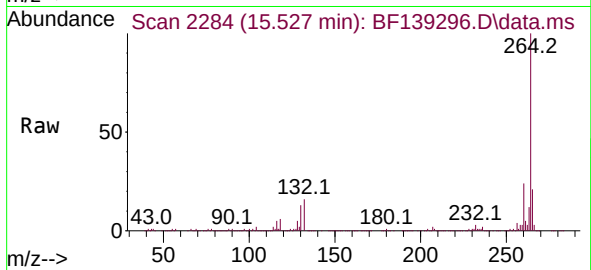
229 21.7 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF139296.D
 Acq: 10 Sep 2024 13:30

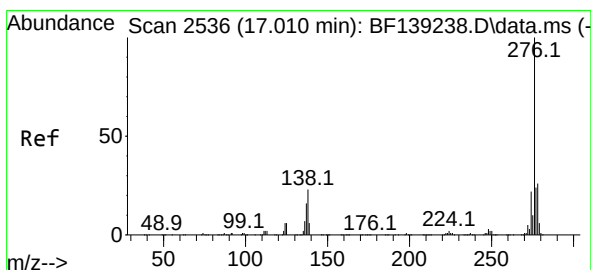
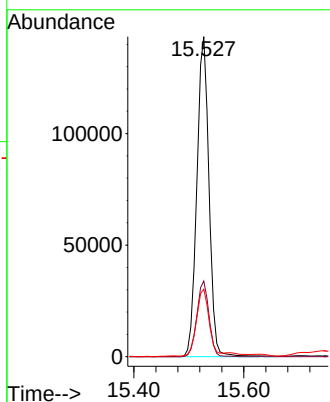
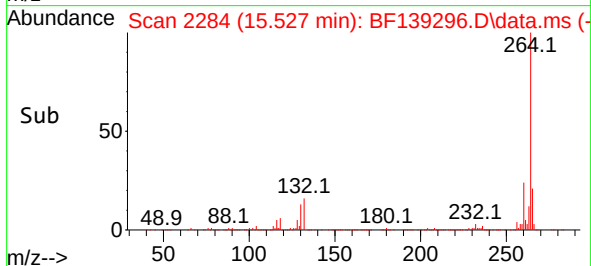
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



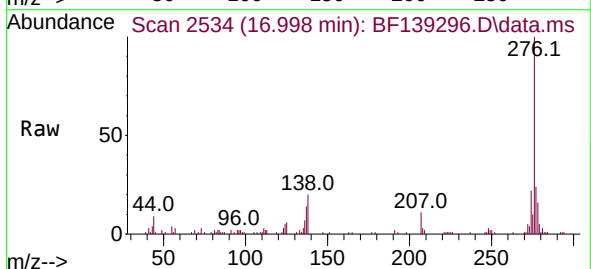
Tgt Ion:264 Resp: 220179
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.8 28.2
 265 21.1 17.3 25.9

Manual Integrations
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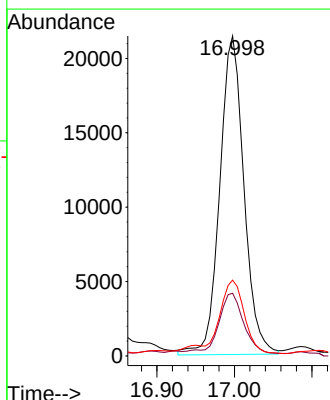
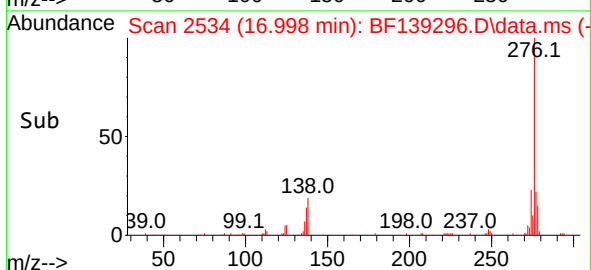
Reviewed By :Jagrut Upadhyay 09/11/2024
 Supervised By :mohammad ahmed 09/12/2024

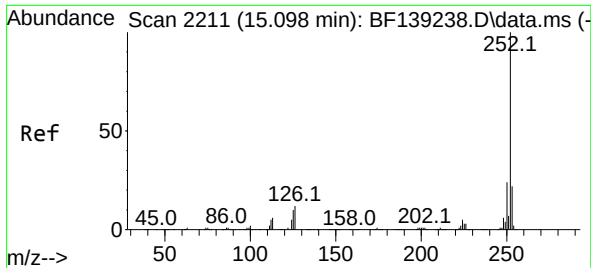


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.383 ng
 RT: 16.998 min Scan# 2534
 Delta R.T. -0.012 min
 Lab File: BF139296.D
 Acq: 10 Sep 2024 13:30



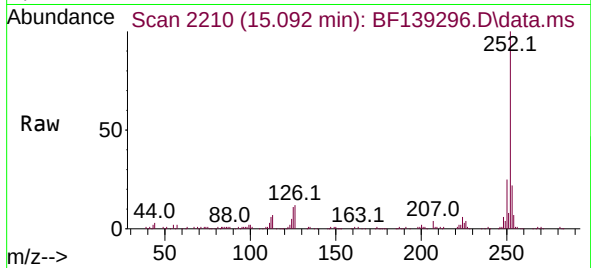
Tgt Ion:276 Resp: 46533
 Ion Ratio Lower Upper
 276 100
 138 21.0 20.4 30.6
 277 25.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 8.502 ng m
RT: 15.092 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

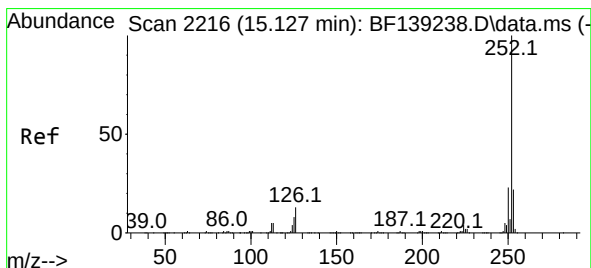
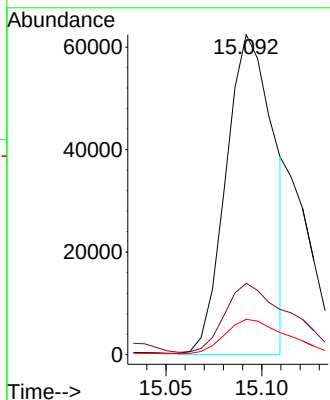
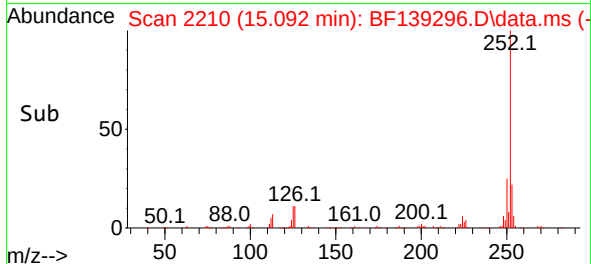
Instrument :
BNA_F
ClientSampleId :
COMP-1



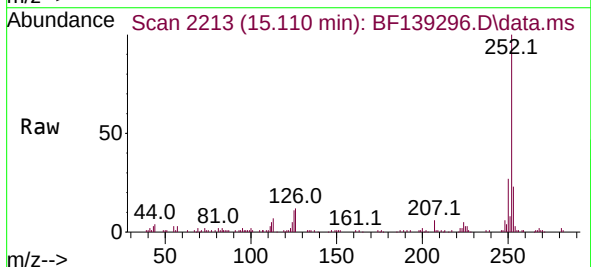
Tgt Ion:252 Resp: 107809
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 11.0 7.6 11.4

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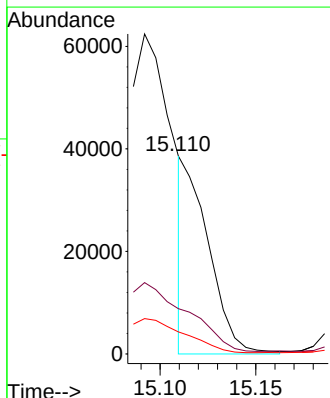
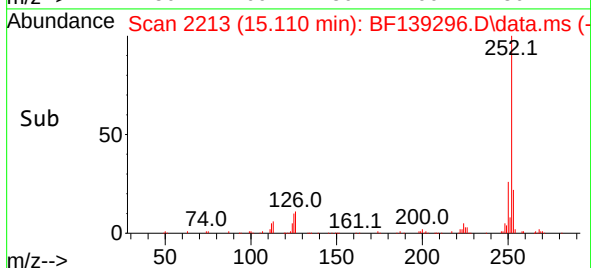
Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024

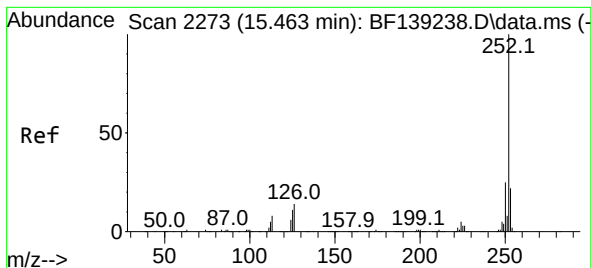


#89
Benzo(k)fluoranthene
Concen: 2.991 ng m
RT: 15.110 min Scan# 2213
Delta R.T. -0.018 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30



Tgt Ion:252 Resp: 34004
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 11.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 7.070 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

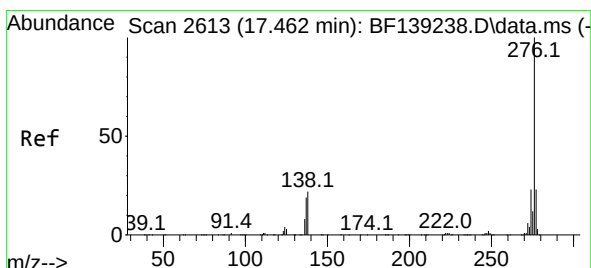
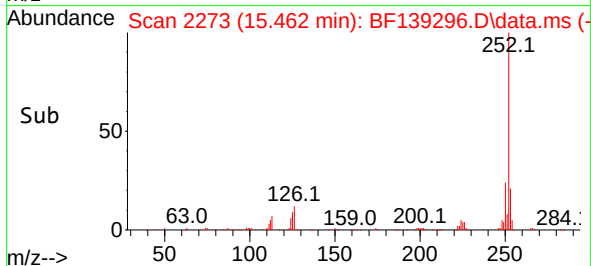
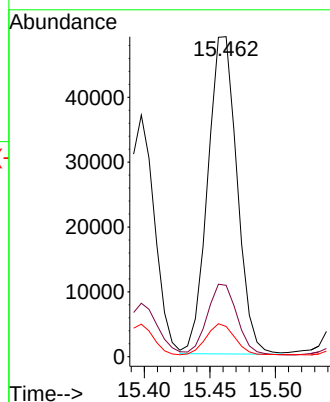
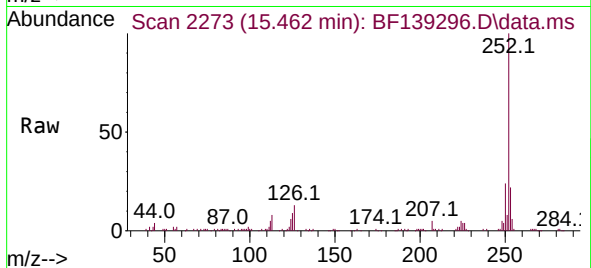
COMP-1

Tgt Ion:	252	Resp:	7612
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	9.5	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/11/2024
Supervised By :mohammad ahmed 09/12/2024



#92

Benzo(g,h,i)perylene

Concen: 3.625 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Tgt Ion:	276	Resp:	42415
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	27.8
138	20.3	17.4	26.0

