

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141004.D
 Acq On : 27 Dec 2024 18:39
 Operator : RC/JU
 Sample : P5382-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 22:20:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	245562	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	986783	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	533453	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	882749	20.000	ng	0.00
76) Chrysene-d12	13.974	240	539303	20.000	ng	-0.01
86) Perylene-d12	15.433	264	547496	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1854097	113.813	ng	0.00
7) Phenol-d6	6.439	99	2370975	112.980	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1479148	95.900	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	672154	129.669	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2616681	78.151	ng	0.00
79) Terphenyl-d14	12.927	244	2621285	80.733	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	313968	6.758	ng	98
75) Fluoranthene	12.551	202	369067	7.324	ng	98
78) Pyrene	12.780	202	313419	6.645	ng	98
81) Benzo(a)anthracene	13.968	228	174110	4.632	ng	98
83) Chrysene	13.998	228	120164	3.546	ng	97
87) Indeno(1,2,3-cd)pyrene	16.862	276	72562m	2.104	ng	
88) Benzo(b)fluoranthene	15.010	252	164015m	4.295	ng	
89) Benzo(k)fluoranthene	15.021	252	76297m	2.549	ng	
90) Benzo(a)pyrene	15.368	252	132885	4.484	ng	98
92) Benzo(g,h,i)perylene	17.298	276	60508	2.086	ng	99

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

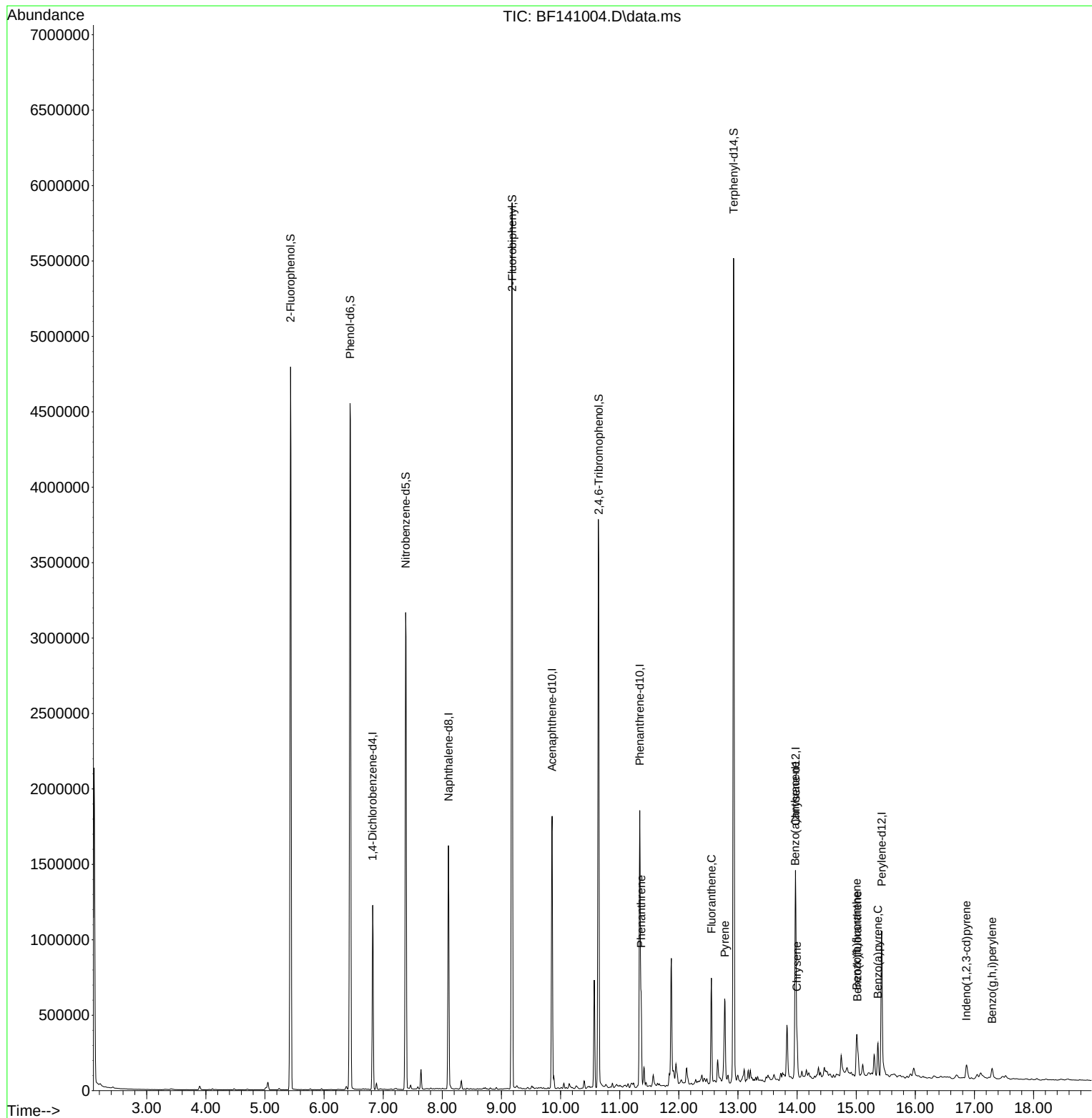
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141004.D
Acq On : 27 Dec 2024 18:39
Operator : RC/JU
Sample : P5382-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

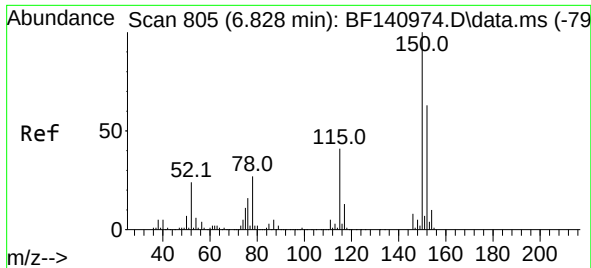
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Dec 27 22:20:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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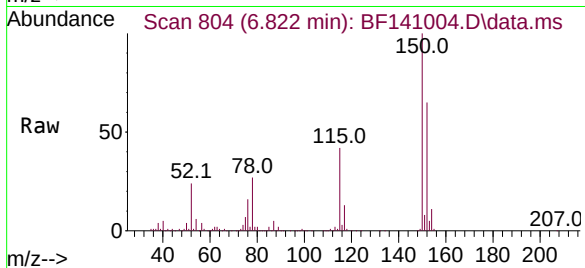
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

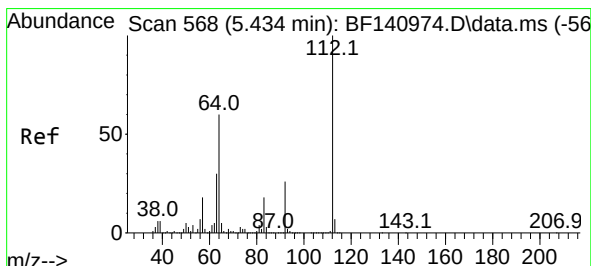
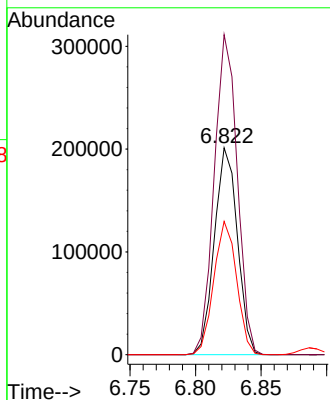
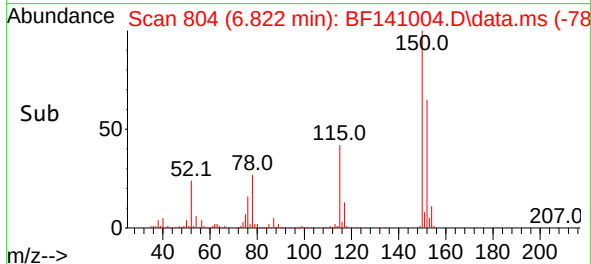
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:152 Resp: 245562
Ion Ratio Lower Upper
152 100
150 154.7 127.0 190.6
115 64.4 51.7 77.5

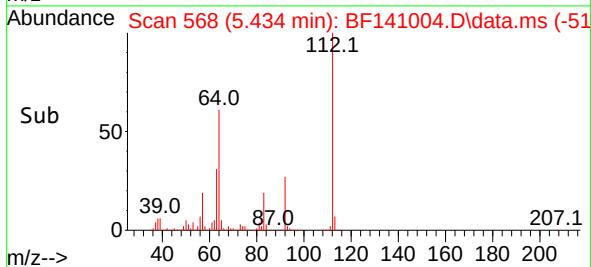
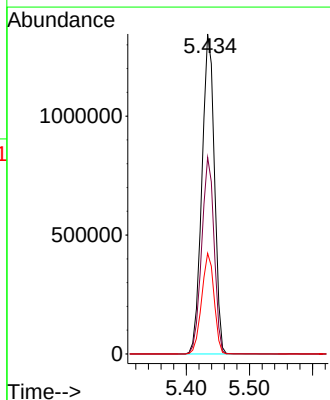
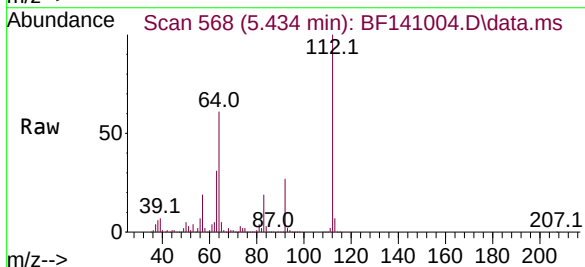
Manual Integrations
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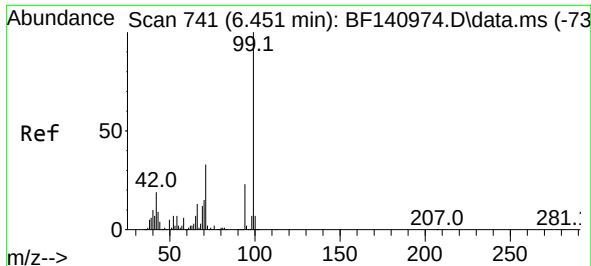
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#5
2-Fluorophenol
Concen: 113.813 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

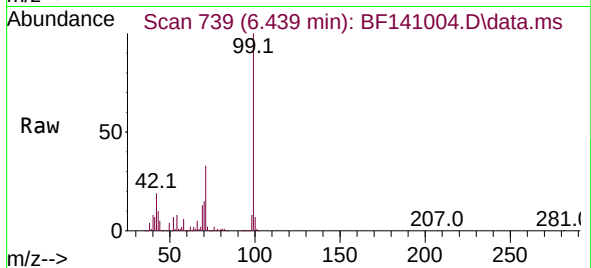
Tgt Ion:112 Resp: 1854097
Ion Ratio Lower Upper
112 100
64 61.5 47.7 71.5
63 31.4 24.2 36.2





#7
Phenol-d6
Concen: 112.980 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

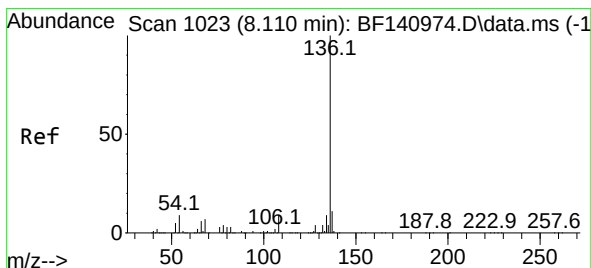
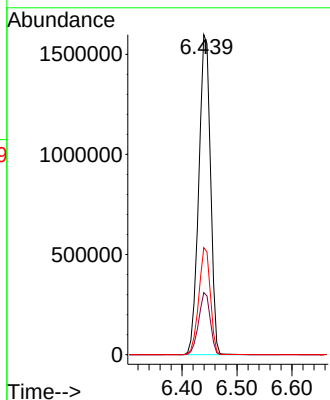
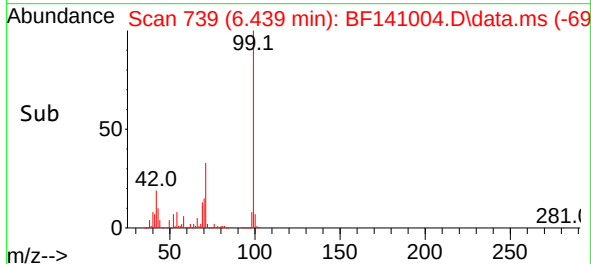
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion: 99 Resp: 237097
Ion Ratio Lower Upper
99 100
42 19.4 15.0 22.4
71 33.4 26.2 39.2

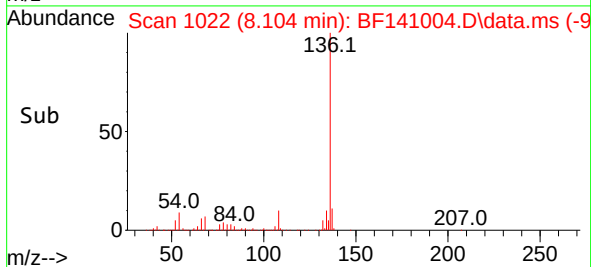
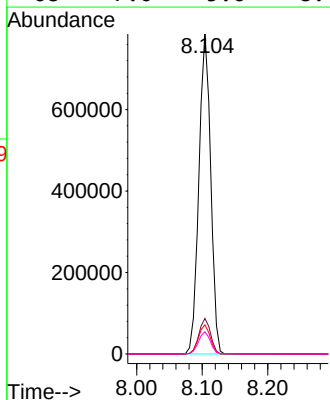
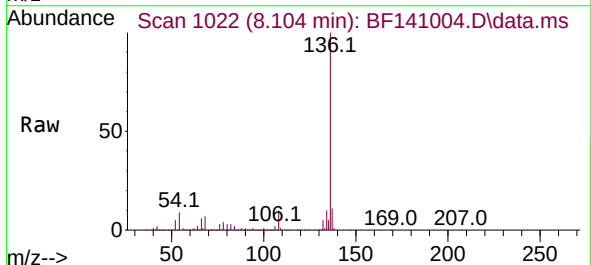
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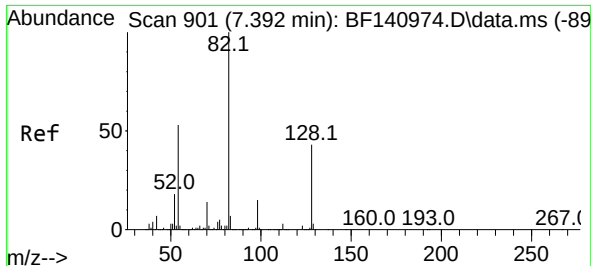
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:136 Resp: 986783
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.1 7.6 11.4
68 7.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 95.900 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion: 82 Resp: 147914

Ion Ratio Lower Upper

82 100

128 43.5 34.4 51.6

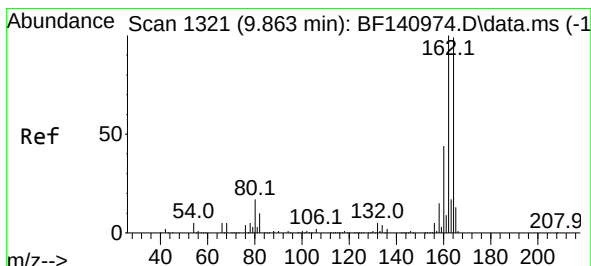
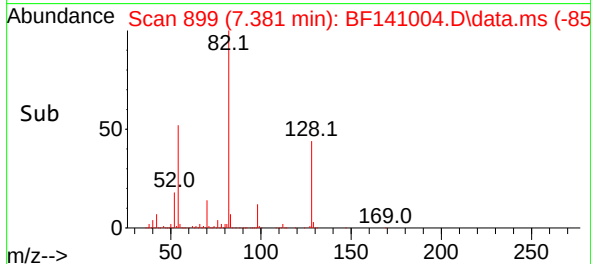
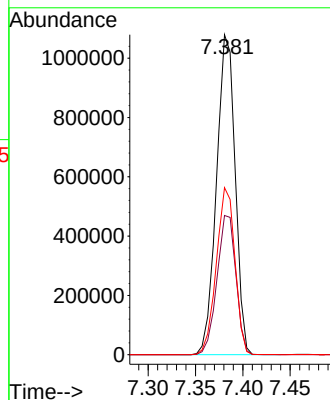
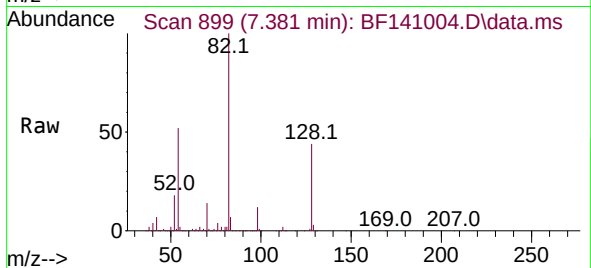
54 52.2 42.4 63.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

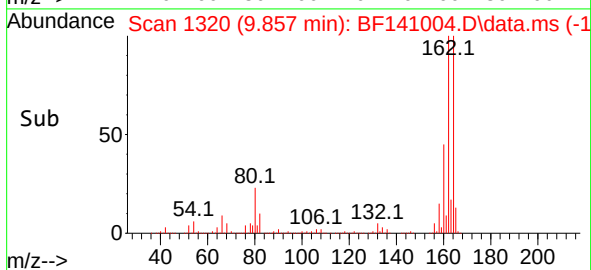
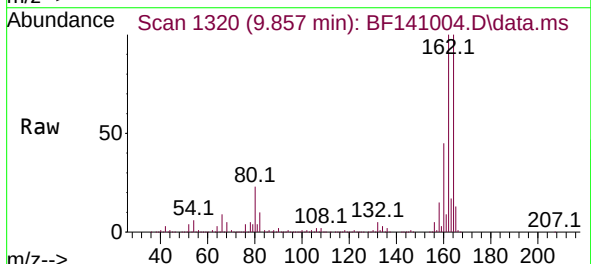
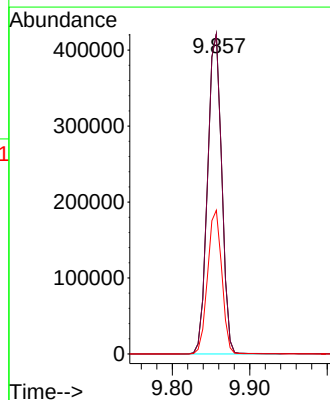
Tgt Ion:164 Resp: 533453

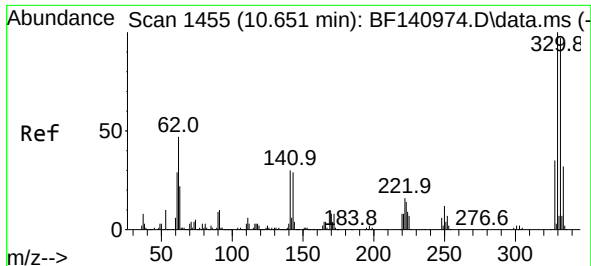
Ion Ratio Lower Upper

164 100

162 100.0 80.6 120.8

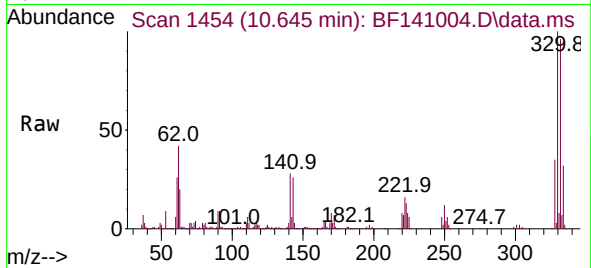
160 44.9 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 129.669 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

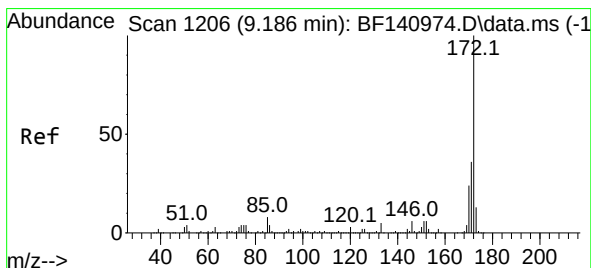
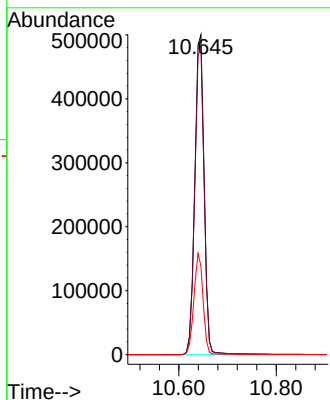
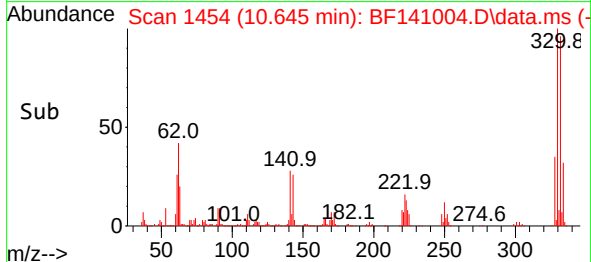
Instrument :
BNA_F
ClientSampleId :
COMP-1



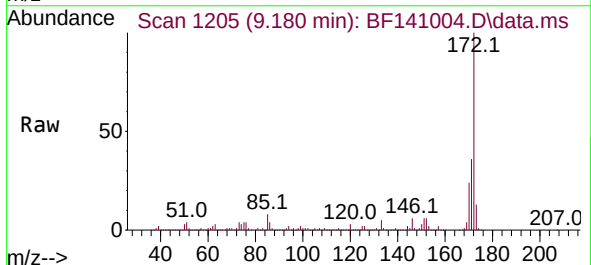
Tgt Ion:330 Resp: 672154
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 31.2 26.4 39.6

Manual Integrations
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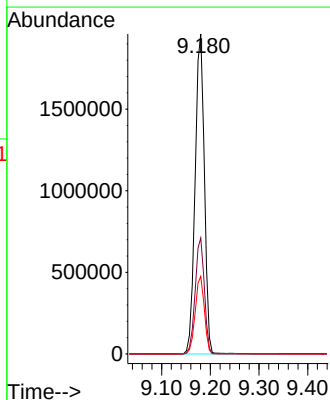
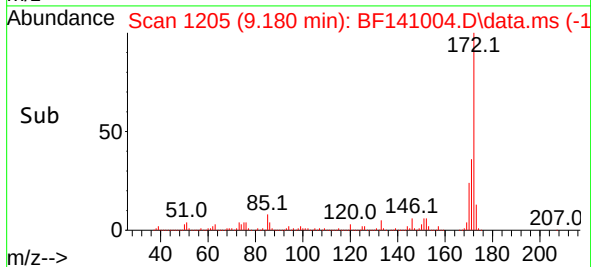
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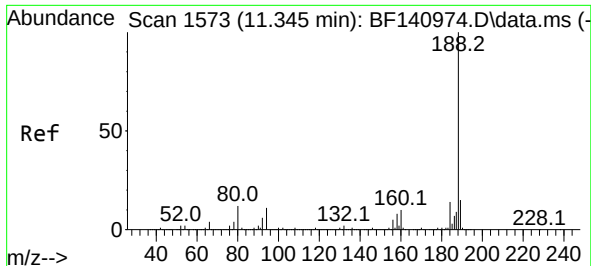


#45
2-Fluorobiphenyl
Concen: 78.151 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39



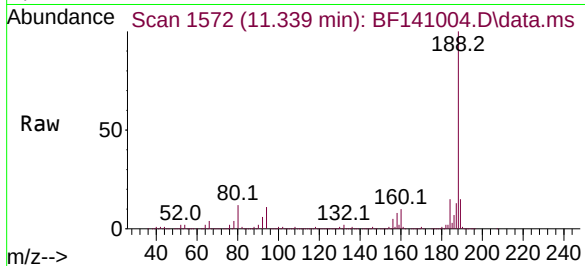
Tgt Ion:172 Resp: 2616681
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.4
170 24.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

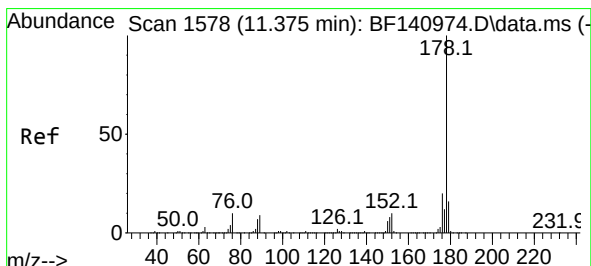
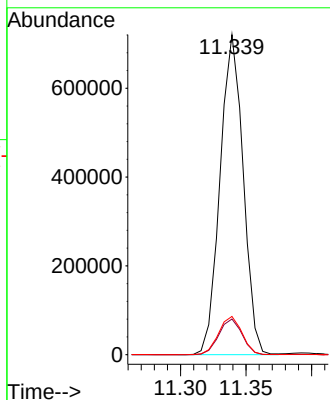
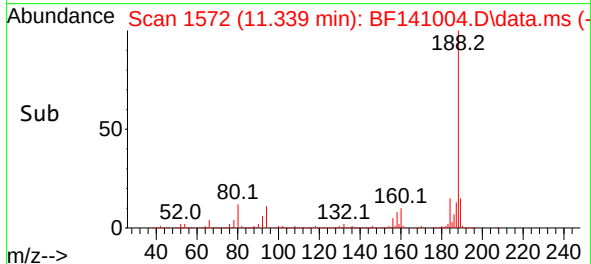
Instrument :
BNA_F
ClientSampleId :
COMP-1



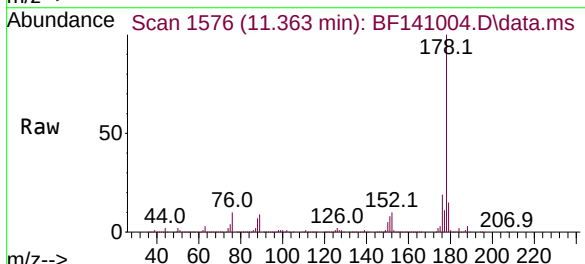
Tgt Ion:188 Resp: 882749
Ion Ratio Lower Upper
188 100
94 11.2 9.0 13.6
80 12.0 9.8 14.6

Manual Integrations
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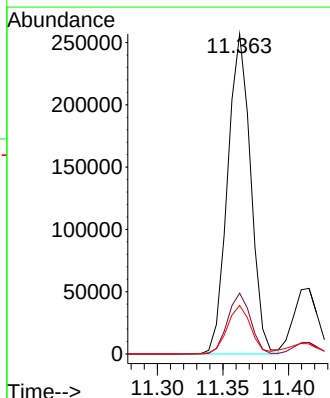
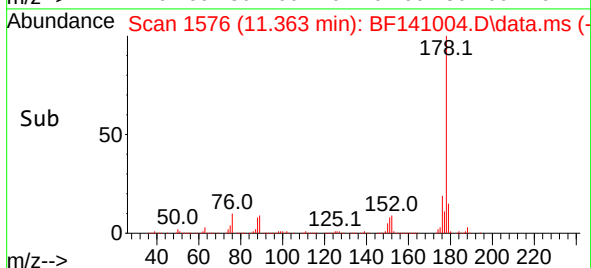
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

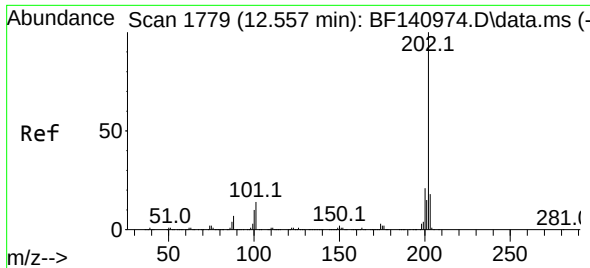


#71
Phenanthrene
Concen: 6.758 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39



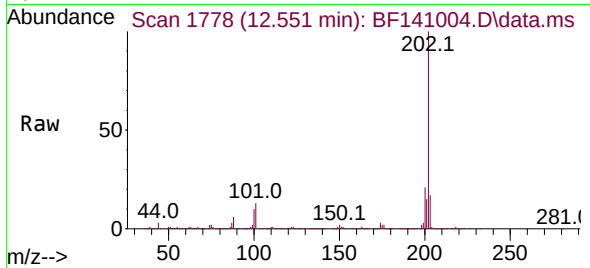
Tgt Ion:178 Resp: 313968
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.2 12.6 19.0





#75
Fluoranthene
Concen: 7.324 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

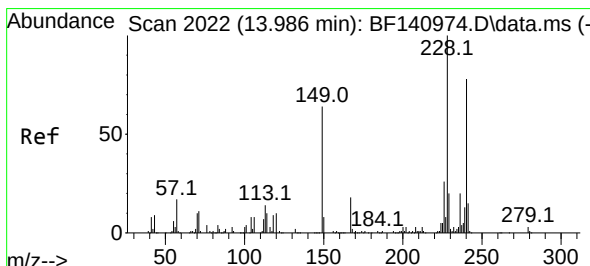
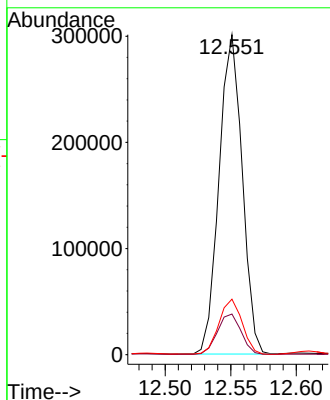
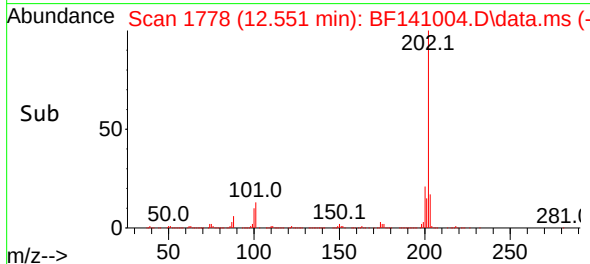
Instrument :
BNA_F
ClientSampleId :
COMP-1



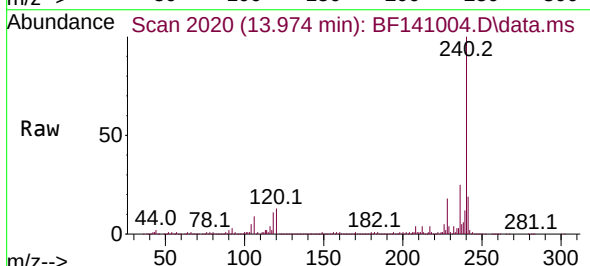
Tgt Ion:202 Resp: 36906
Ion Ratio Lower Upper
202 100
101 12.7 0.0 33.7
203 17.4 0.0 38.1

Manual Integrations
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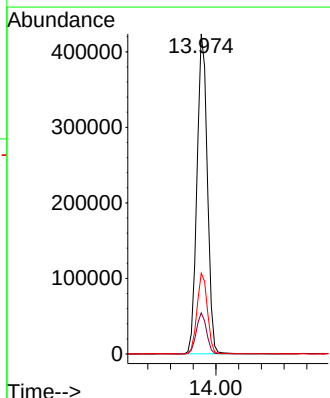
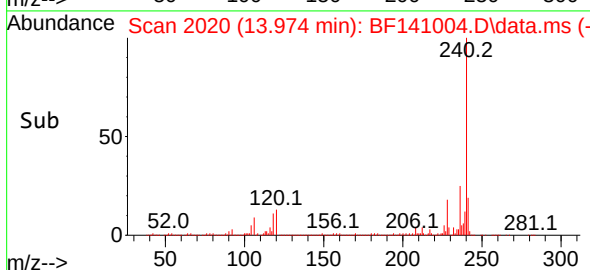
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

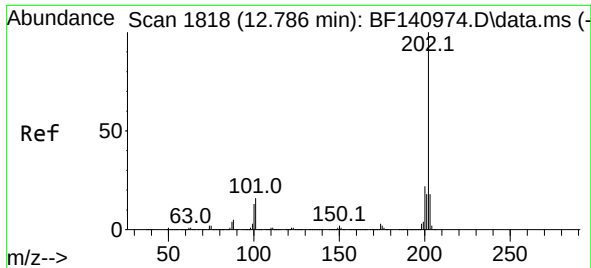


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39



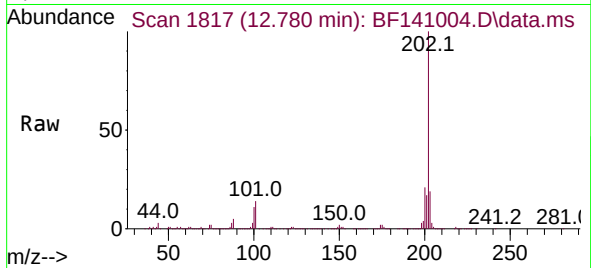
Tgt Ion:240 Resp: 539303
Ion Ratio Lower Upper
240 100
120 12.8 10.7 16.1
236 25.2 20.6 31.0





#78
Pyrene
Concen: 6.645 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

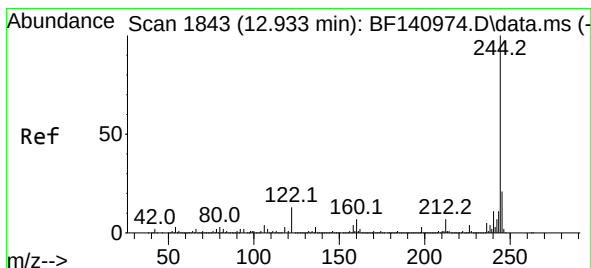
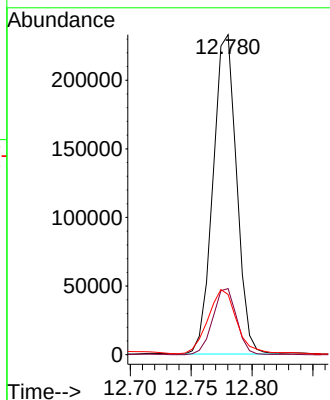
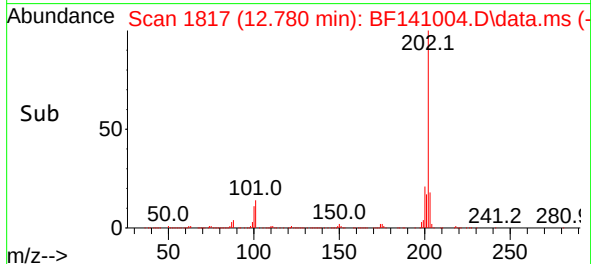
Instrument :
BNA_F
ClientSampleId :
COMP-1



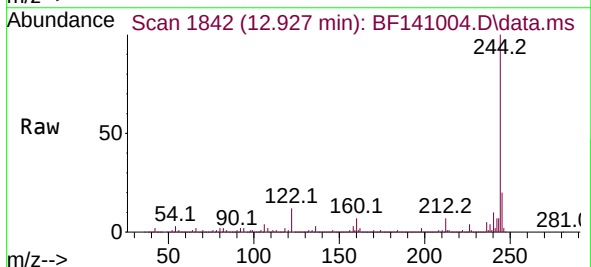
Tgt Ion:202 Resp: 313419
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 18.8 14.6 21.8

Manual Integrations
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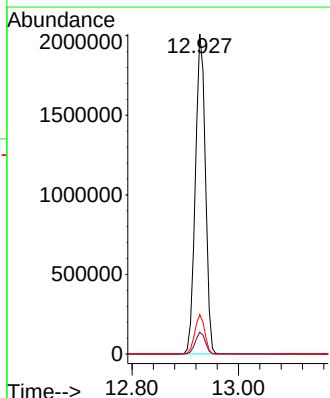
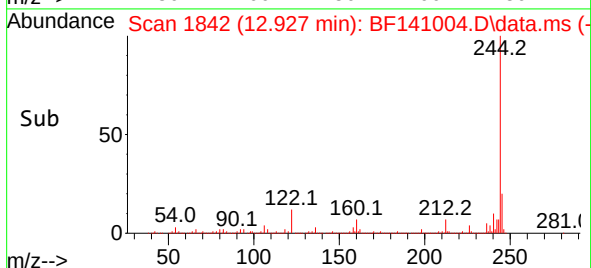
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

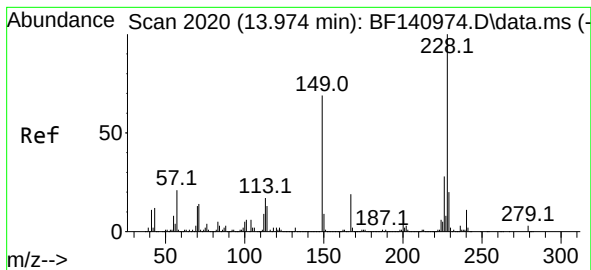


#79
Terphenyl-d14
Concen: 80.733 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39



Tgt Ion:244 Resp: 2621285
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 12.3 10.2 15.2





#81

Benzo(a)anthracene

Concen: 4.632 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:228 Resp: 174110

Ion Ratio Lower Upper

228 100

226 26.9 22.1 33.1

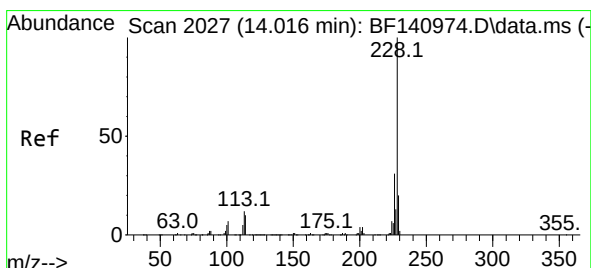
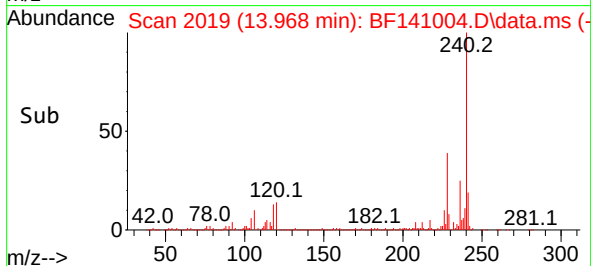
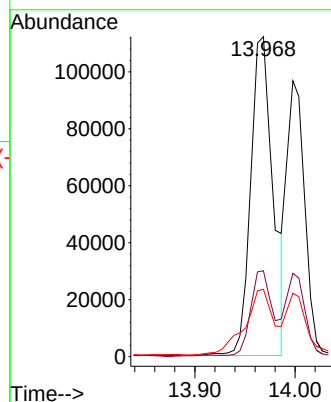
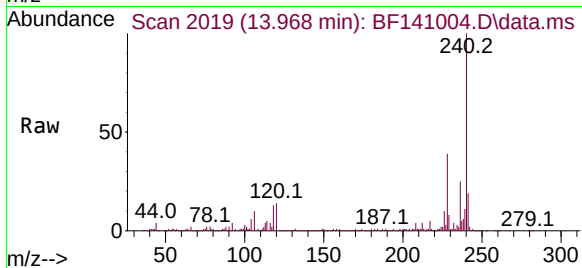
229 21.1 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#83

Chrysene

Concen: 3.546 ng

RT: 13.998 min Scan# 2024

Delta R.T. -0.018 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

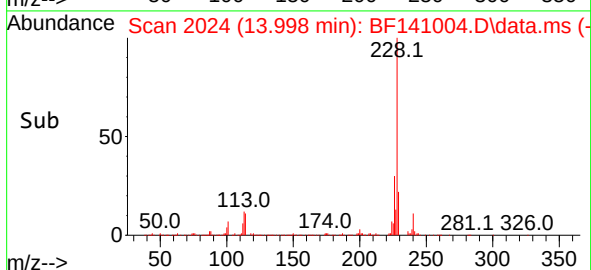
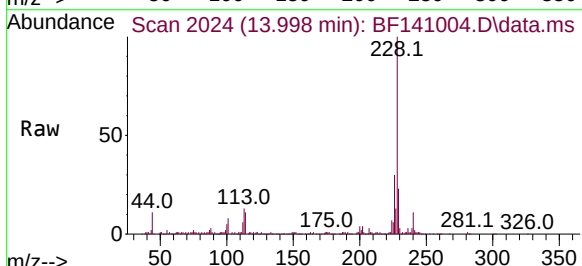
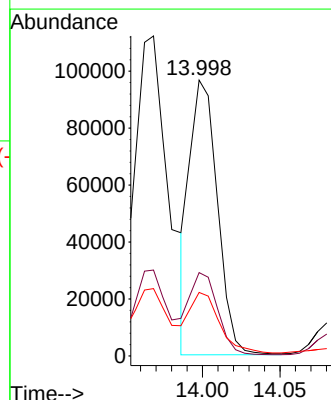
Tgt Ion:228 Resp: 120164

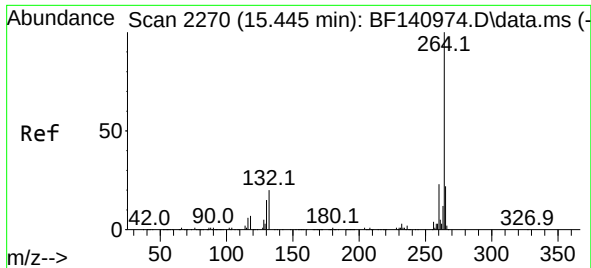
Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

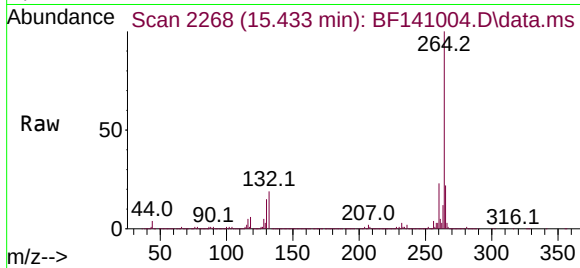
229 23.0 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

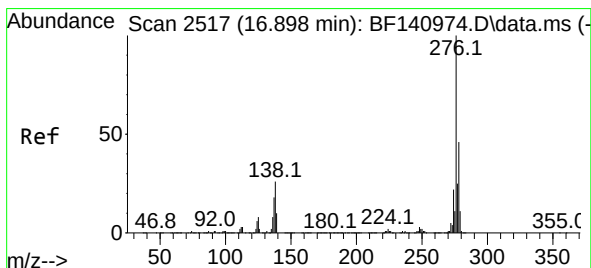
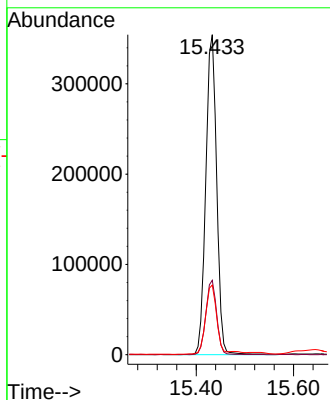
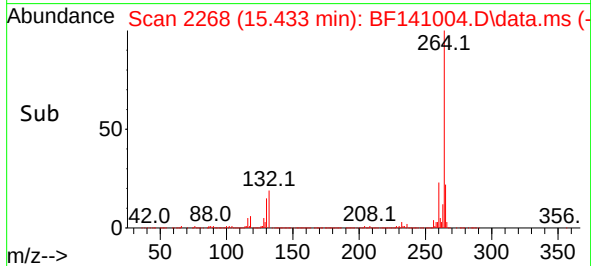
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:264 Resp: 547490
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.7 17.4 26.2

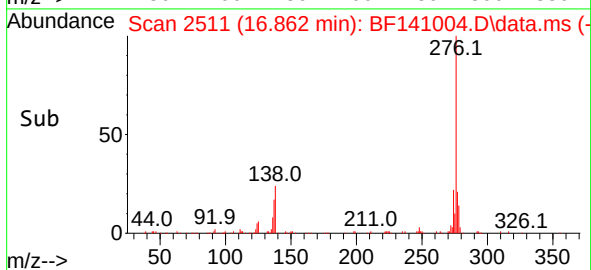
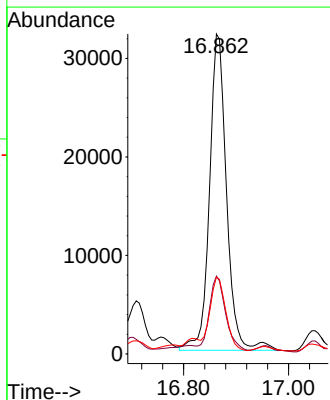
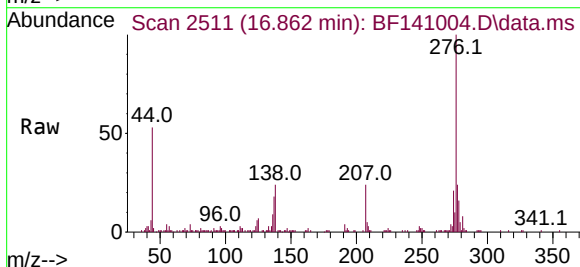
Manual Integrations
APPROVED

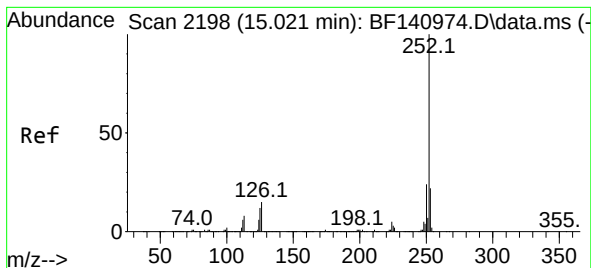
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.104 ng m
RT: 16.862 min Scan# 2511
Delta R.T. -0.035 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:276 Resp: 72562
Ion Ratio Lower Upper
276 100
138 5.1 23.1 34.7#
277 4.4 20.4 30.6#





#88

Benzo(b)fluoranthene

Concen: 4.295 ng m

RT: 15.010 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:252 Resp: 164015

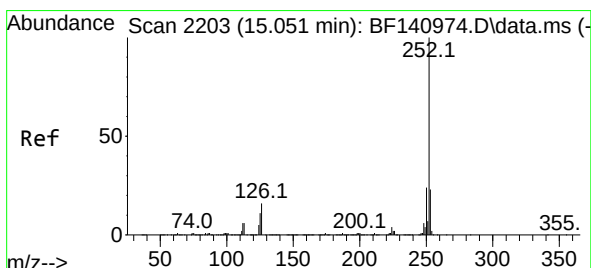
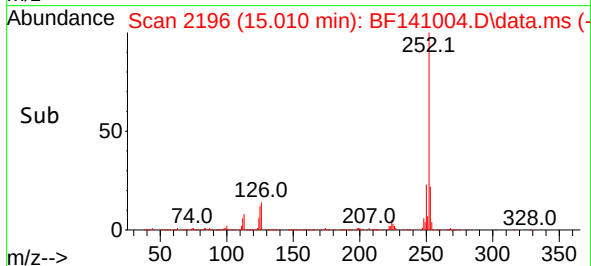
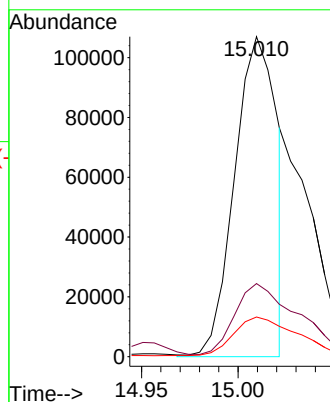
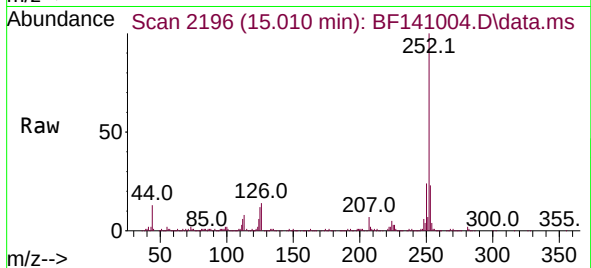
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.4	9.3	13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#89

Benzo(k)fluoranthene

Concen: 2.549 ng m

RT: 15.021 min Scan# 2198

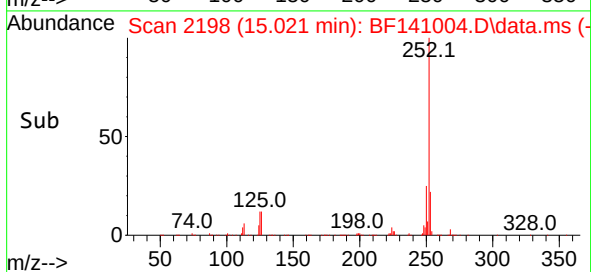
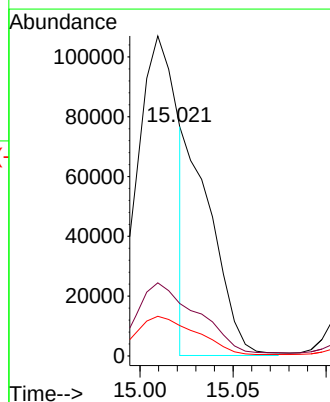
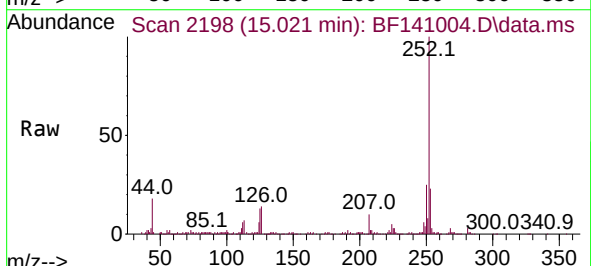
Delta R.T. -0.029 min

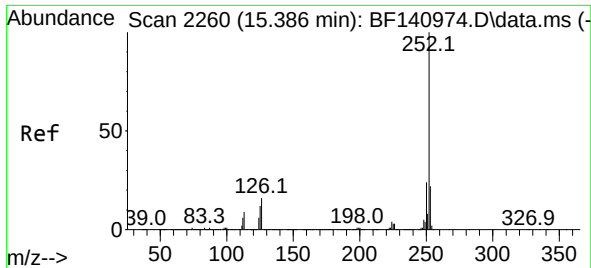
Lab File: BF141004.D

Acq: 27 Dec 2024 18:39

Tgt Ion:252 Resp: 76297

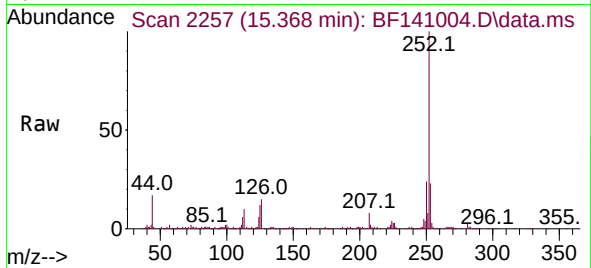
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	13.2	9.4	14.0





#90
Benzo(a)pyrene
Concen: 4.484 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

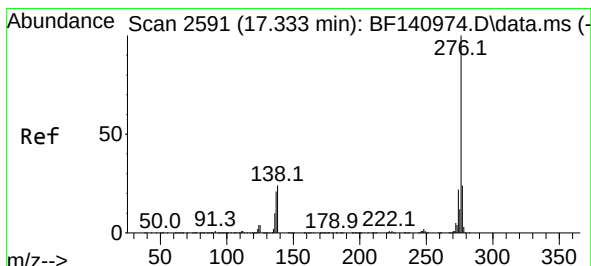
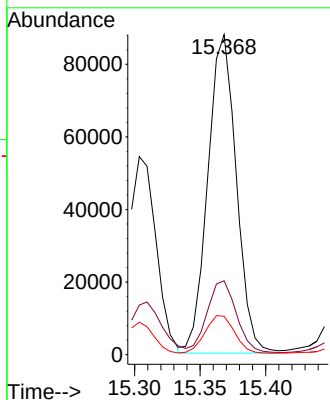
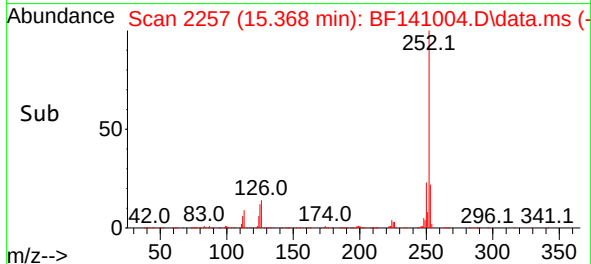
Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:252 Resp: 13288
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 12.0 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 2.086 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.035 min
Lab File: BF141004.D
Acq: 27 Dec 2024 18:39

Tgt Ion:276 Resp: 60508
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.4
138 24.7 19.4 29.2

