

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
 Data File : BF138670.D
 Acq On : 29 Jul 2024 15:04
 Operator : RC/JU
 Sample : P3363-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-072524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 15:46:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	93518	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	330079	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	138905	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	193361	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	126308	20.000	ng	0.00
86) Perylene-d12	15.492	264	100939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	217260	36.794	ng	-0.02
7) Phenol-d6	6.481	99	288109	36.678	ng	-0.02
23) Nitrobenzene-d5	7.410	82	176957	26.322	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	37189	28.646	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	266955	30.037	ng	-0.02
79) Terphenyl-d14	12.963	244	216157	27.880	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	25153	2.575	ng	# 95
75) Fluoranthene	12.592	202	79588	7.984	ng	98
78) Pyrene	12.822	202	82453	6.431	ng	98
81) Benzo(a)anthracene	14.010	228	41396	4.884	ng	# 93
83) Chrysene	14.045	228	31123	3.882	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.968	276	16086	2.373	ng	98
88) Benzo(b)fluoranthene	15.063	252	34074m	5.994	ng	
89) Benzo(k)fluoranthene	15.074	252	14850m	2.679	ng	
90) Benzo(a)pyrene	15.427	252	24357	4.878	ng	# 81
92) Benzo(g,h,i)perylene	17.415	276	18495	3.145	ng	# 88

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

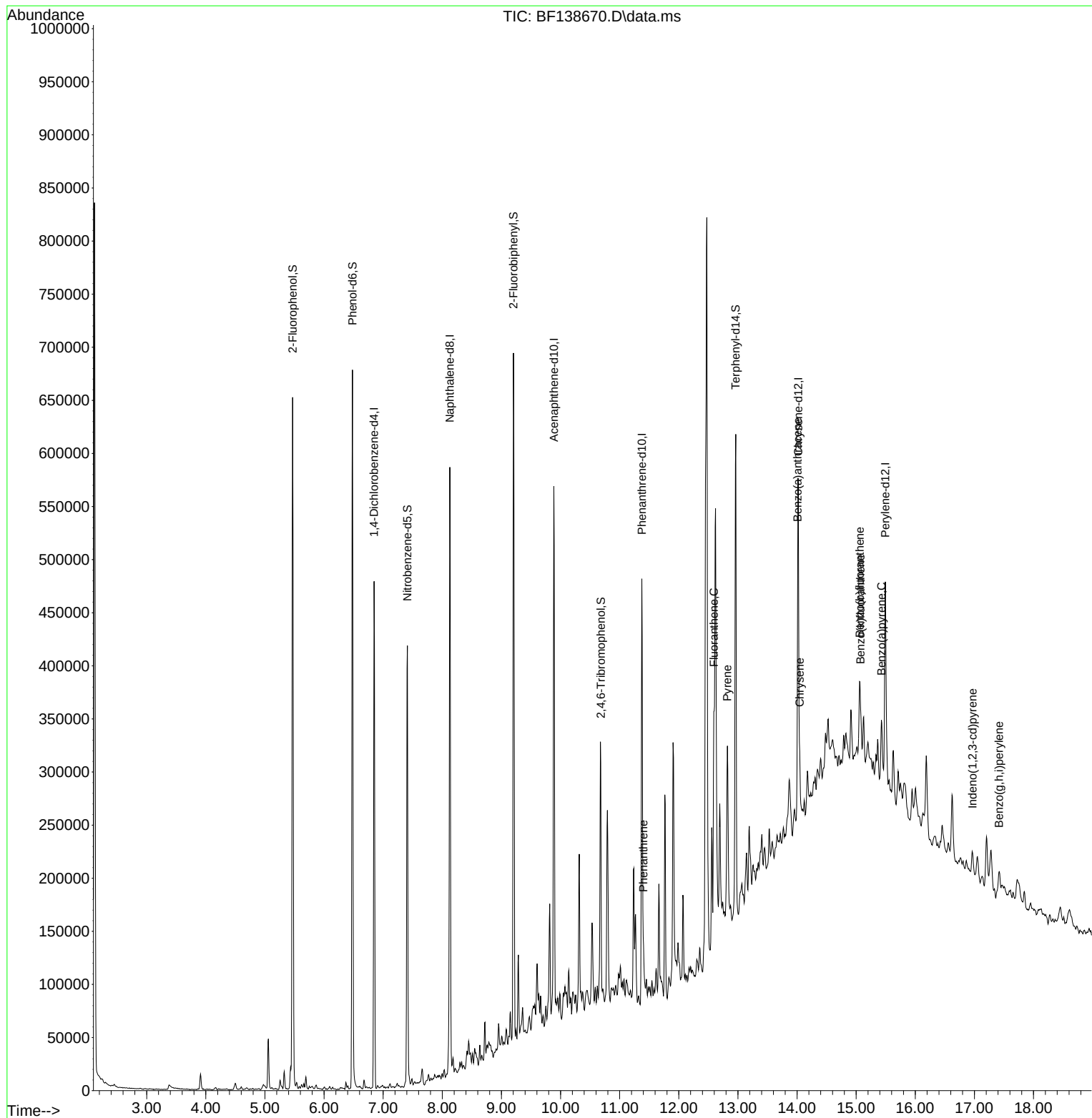
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
Data File : BF138670.D
Acq On : 29 Jul 2024 15:04
Operator : RC/JU
Sample : P3363-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

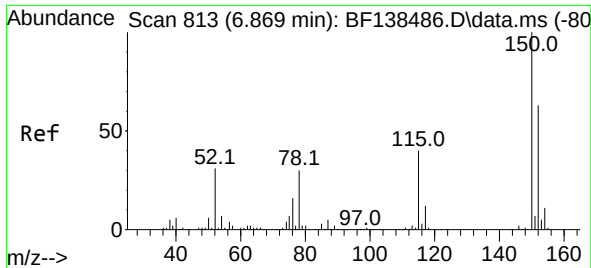
Instrument :
BNA_F
ClientSampleId :
EO-01-072524

Quant Time: Jul 29 15:46:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:58:40 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024





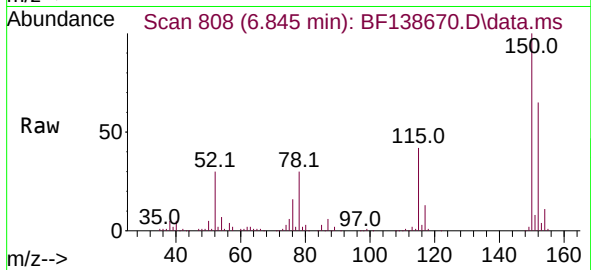
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. -0.024 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524



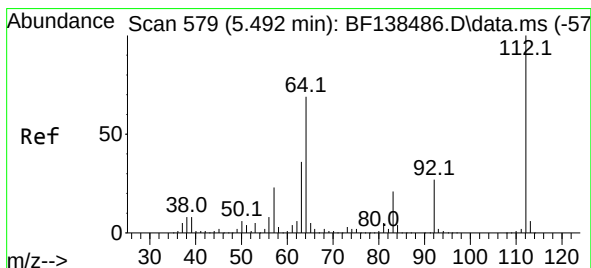
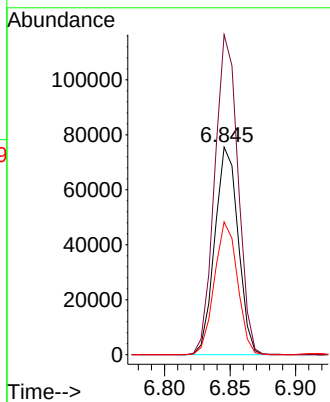
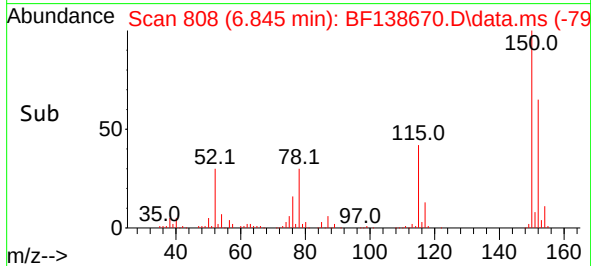
Tgt Ion:152 Resp: 93518
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.4
115 64.0 50.3 75.5

Manual Integrations

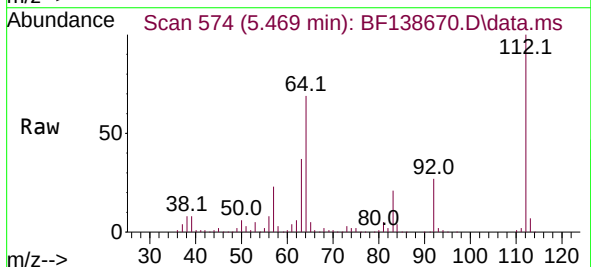
APPROVED

Reviewed By :Yogesh Patel 07/30/2024

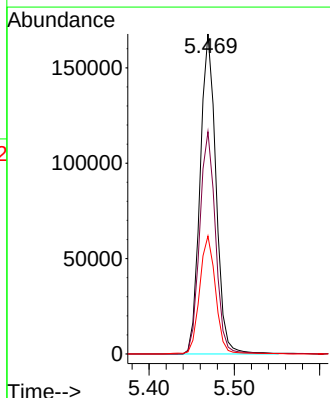
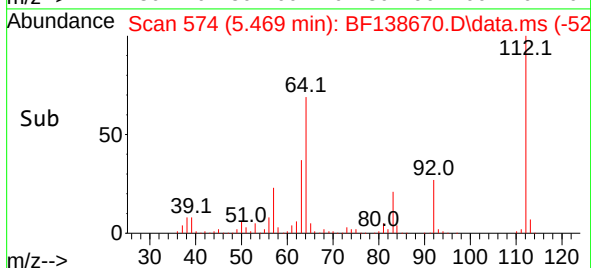
Supervised By :mohammad ahmed 07/31/2024

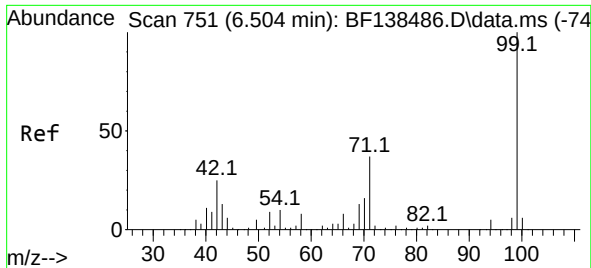


#5
2-Fluorophenol
Concen: 36.794 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.023 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04



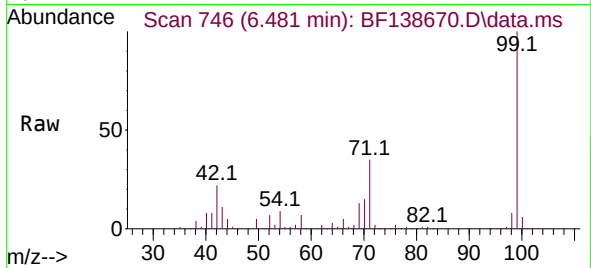
Tgt Ion:112 Resp: 217260
Ion Ratio Lower Upper
112 100
64 69.4 55.1 82.7
63 36.9 29.0 43.6





#7
Phenol-d6
Concen: 36.678 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.023 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

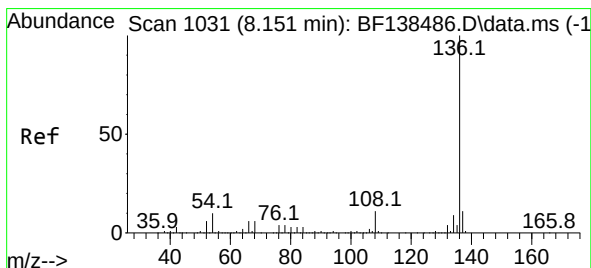
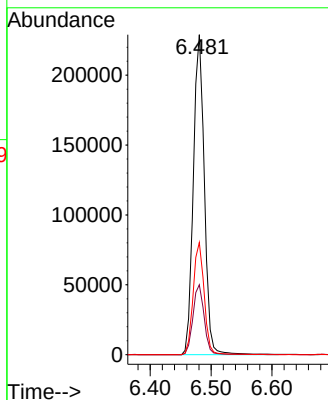
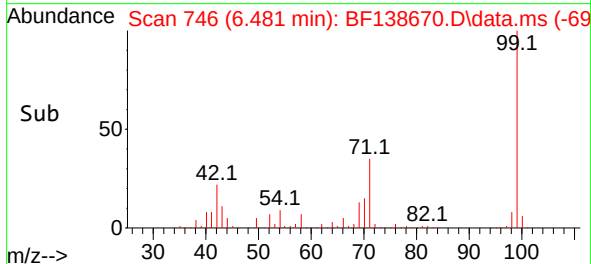
Instrument :
BNA_F
ClientSampleId :
EO-01-072524



Tgt Ion: 99 Resp: 288109
Ion Ratio Lower Upper
99 100
42 21.9 19.7 29.5
71 35.1 29.9 44.9

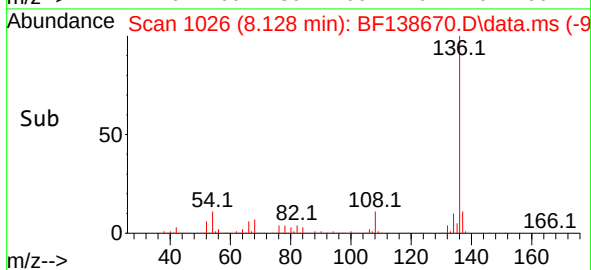
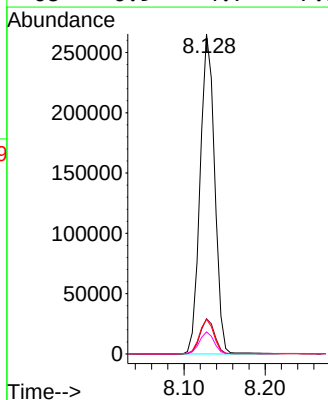
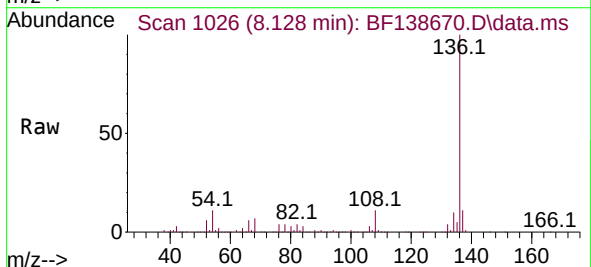
Manual Integrations
APPROVED

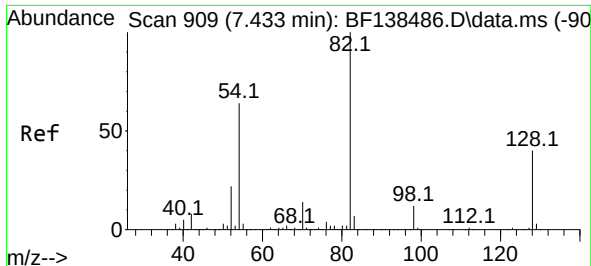
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.023 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:136 Resp: 330079
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 10.9 8.1 12.1
68 6.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 26.322 ng

RT: 7.410 min Scan# 909

Delta R.T. -0.023 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

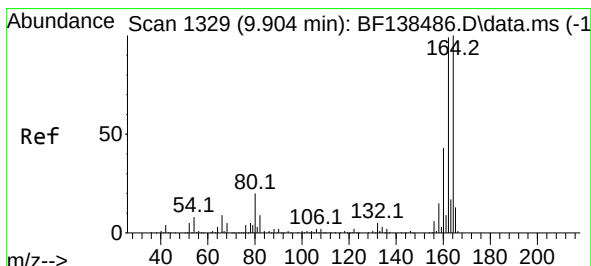
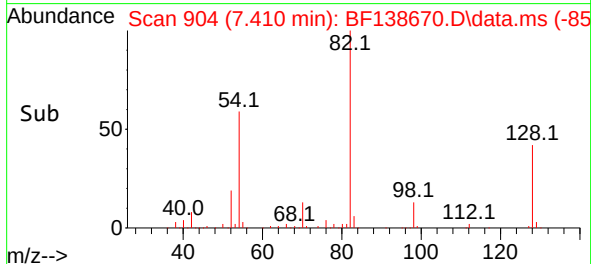
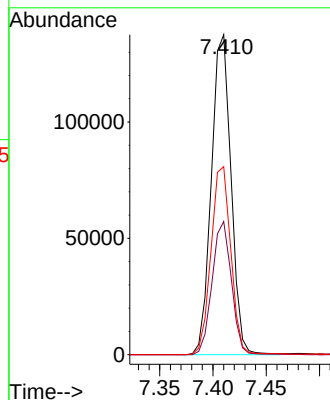
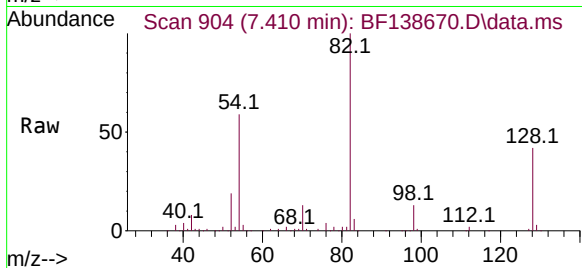
Tgt Ion: 82 Resp: 17695
 Ion Ratio Lower Upper
 82 100
 128 41.6 32.3 48.5
 54 58.8 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

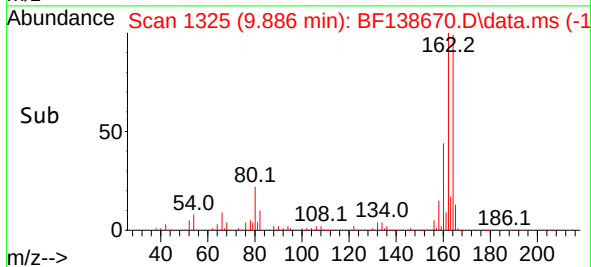
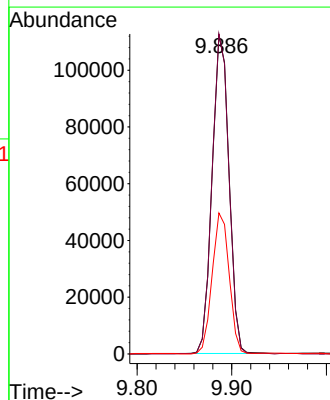
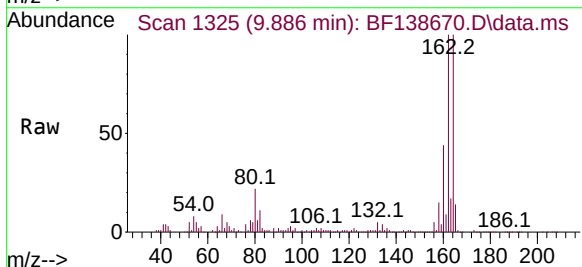
RT: 9.886 min Scan# 1325

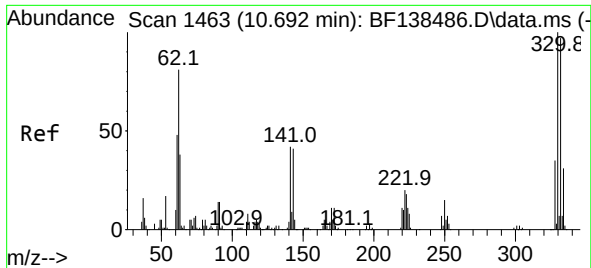
Delta R.T. -0.017 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Tgt Ion:164 Resp: 138905
 Ion Ratio Lower Upper
 164 100
 162 100.5 79.0 118.6
 160 44.2 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 28.646 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

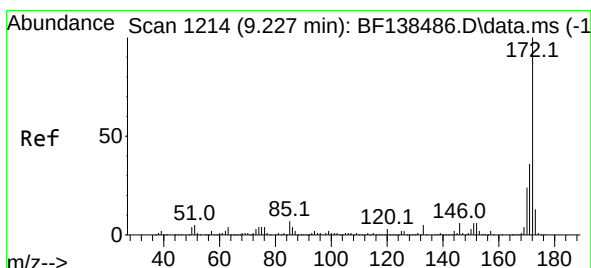
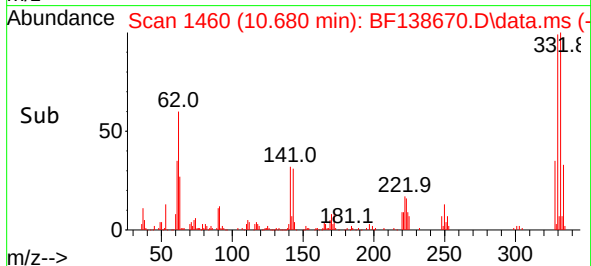
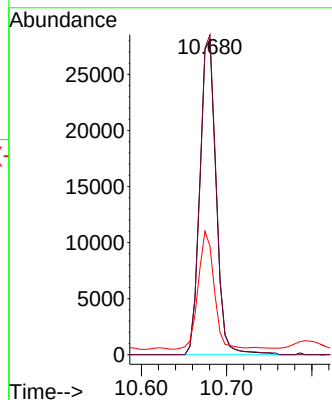
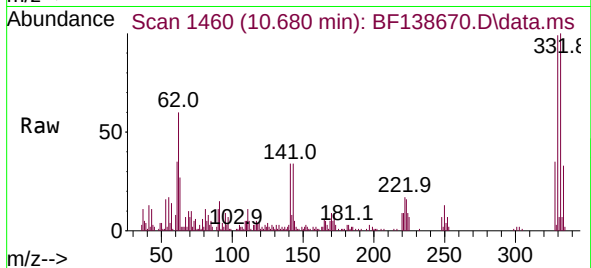
Tgt Ion:330 Resp: 37189
Ion Ratio Lower Upper
330 100
332 101.1 76.8 115.2
141 36.8 29.4 44.2

Manual Integrations

APPROVED

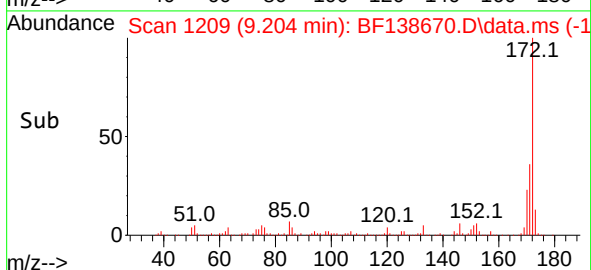
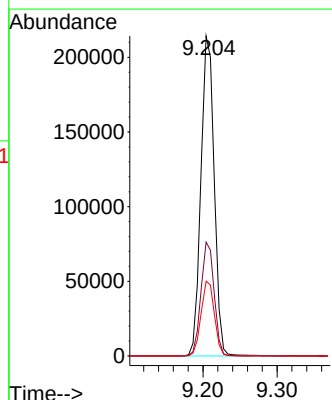
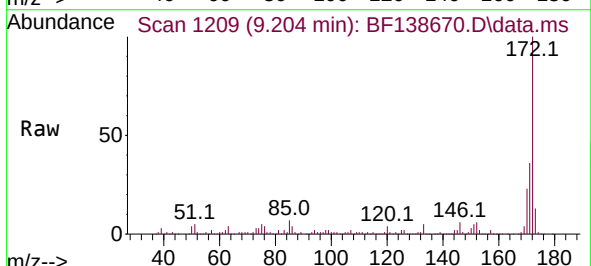
Reviewed By :Yogesh Patel 07/30/2024

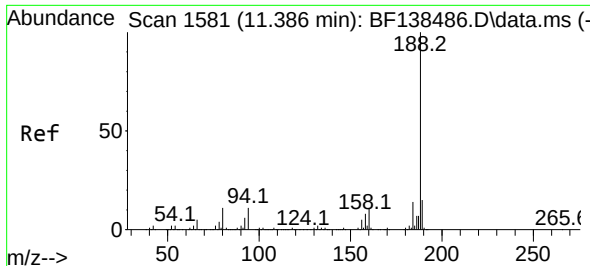
Supervised By :mohammad ahmed 07/31/2024



#45
2-Fluorobiphenyl
Concen: 30.037 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.023 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:172 Resp: 266955
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 23.4 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

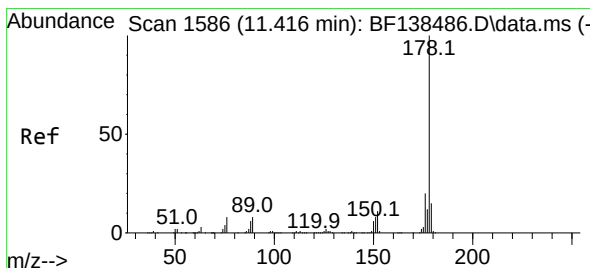
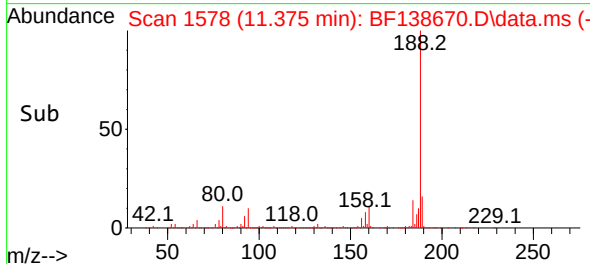
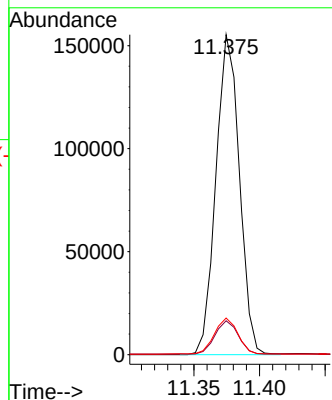
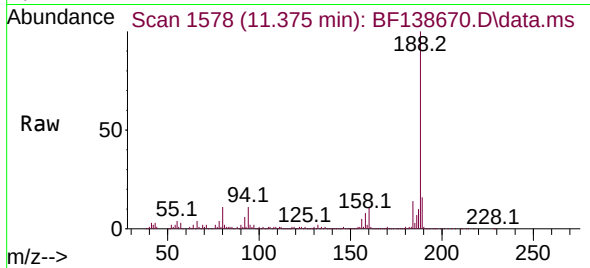
Tgt Ion:188 Resp: 19336
Ion Ratio Lower Upper
188 100
94 10.6 8.7 13.1
80 11.4 9.0 13.4

Manual Integrations

APPROVED

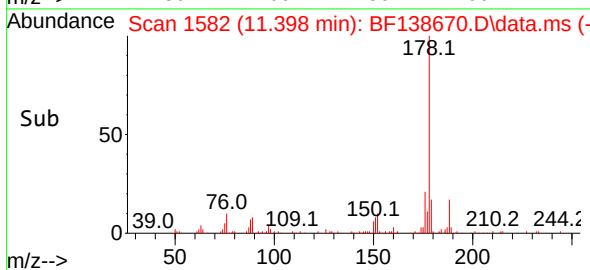
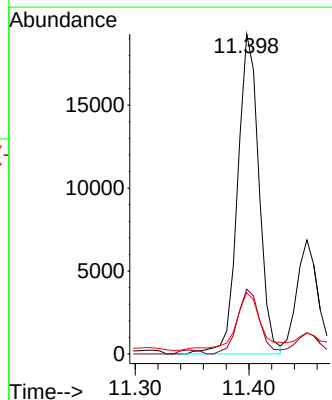
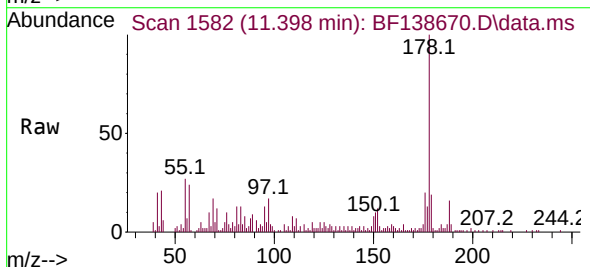
Reviewed By :Yogesh Patel 07/30/2024

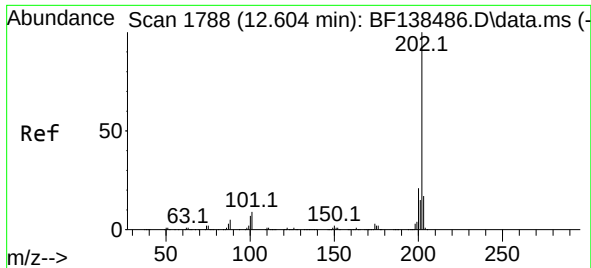
Supervised By :mohammad ahmed 07/31/2024



#71
Phenanthrene
Concen: 2.575 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.017 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

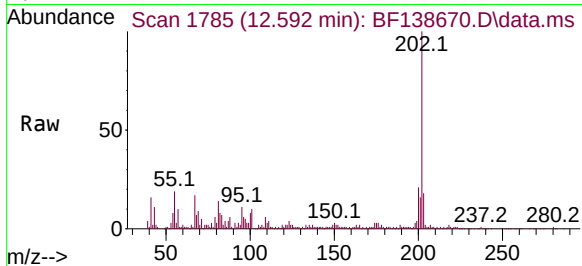
Tgt Ion:178 Resp: 25153
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 19.2 12.2 18.2#





#75
Fluoranthene
Concen: 7.984 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

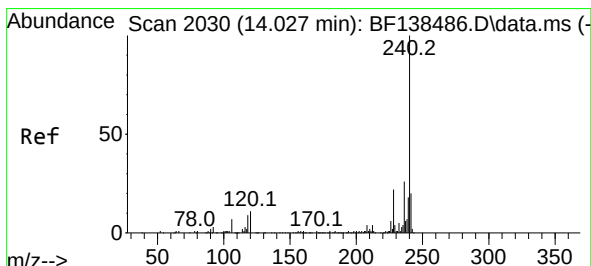
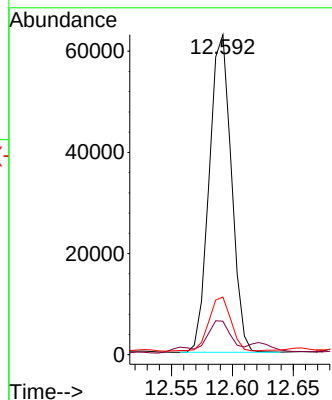
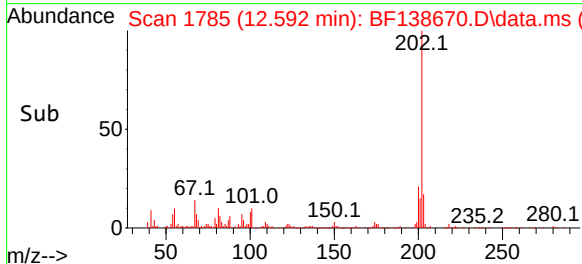
Instrument :
BNA_F
ClientSampleId :
EO-01-072524



Tgt Ion:202 Resp: 7958
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.2
203 18.0 0.0 37.3

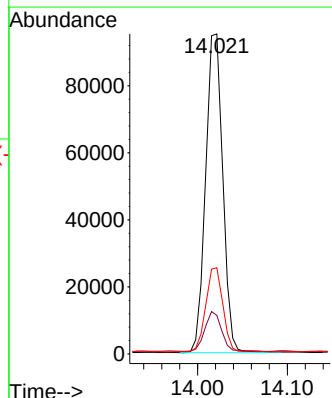
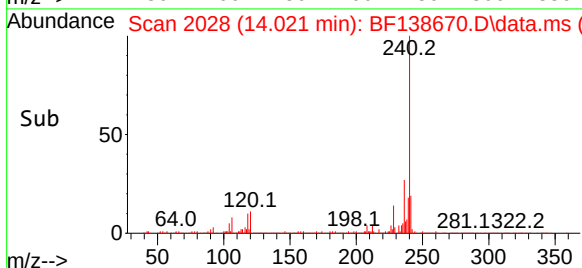
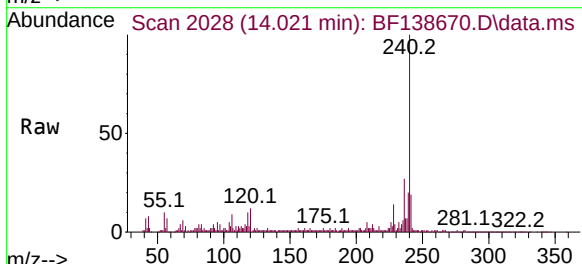
Manual Integrations
APPROVED

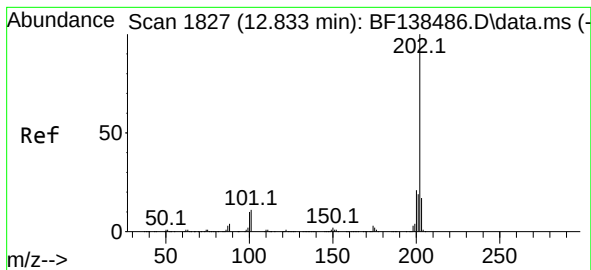
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:240 Resp: 126308
Ion Ratio Lower Upper
240 100
120 12.1 8.6 12.8
236 27.0 21.0 31.6





#78

Pyrene

Concen: 6.431 ng

RT: 12.822 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

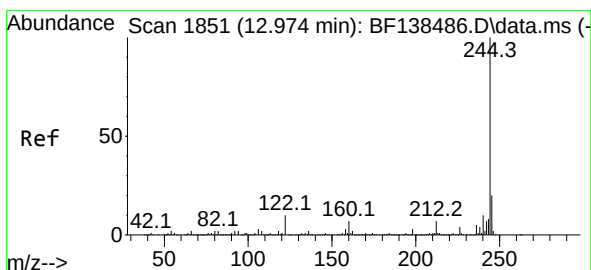
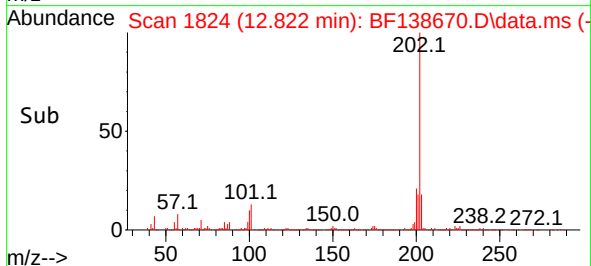
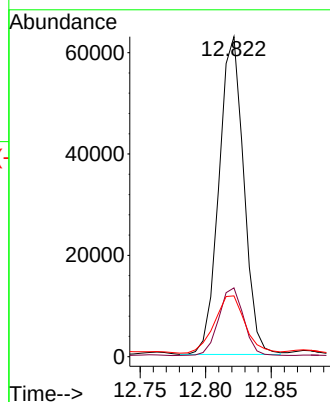
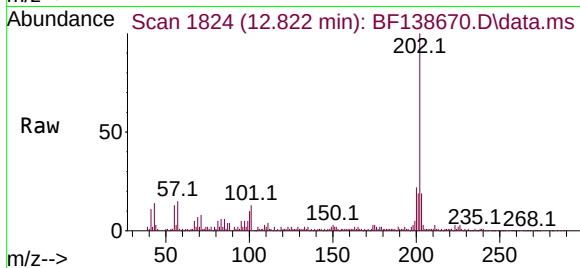
Tgt Ion:	202	Resp:	8245
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.0	25.6
203	19.0	13.7	20.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#79

Terphenyl-d14

Concen: 27.880 ng

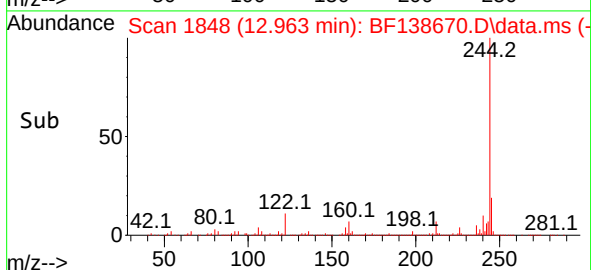
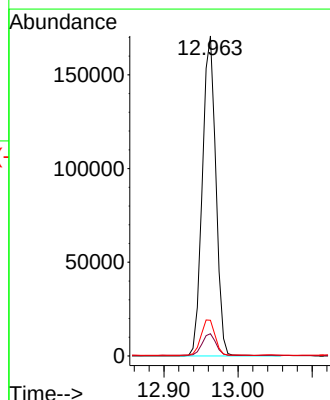
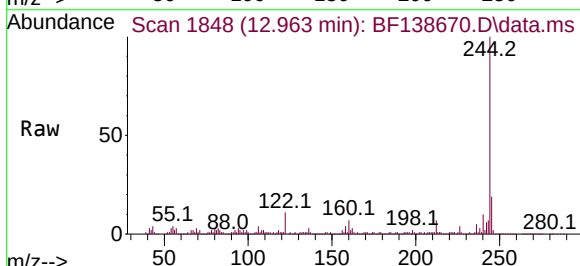
RT: 12.963 min Scan# 1848

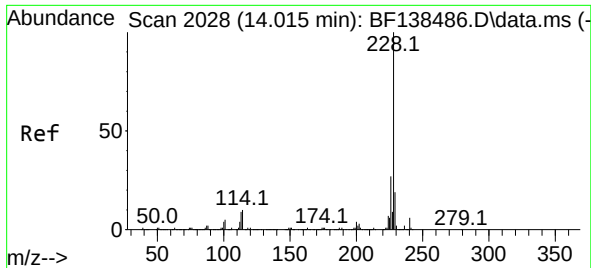
Delta R.T. -0.012 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Tgt Ion:	244	Resp:	216157
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.5	8.3
122	11.2	7.8	11.8





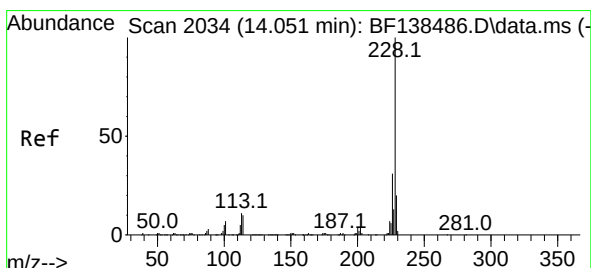
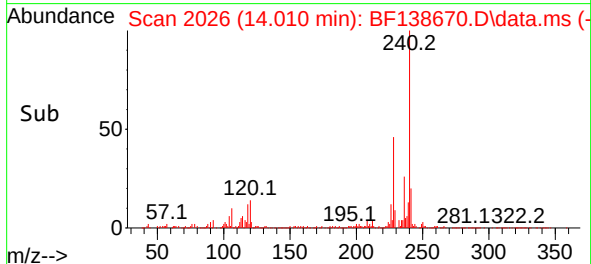
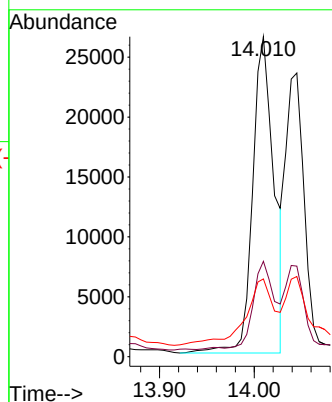
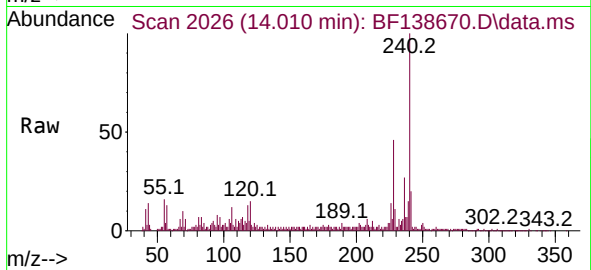
#81
Benzo(a)anthracene
Concen: 4.884 ng
RT: 14.010 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Instrument :
BNA_F
ClientSampleId :
EO-01-072524

Tgt Ion:228 Resp: 41390
Ion Ratio Lower Upper
228 100
226 29.8 21.9 32.9
229 24.3 15.5 23.3

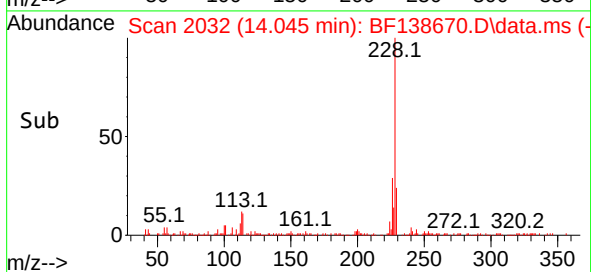
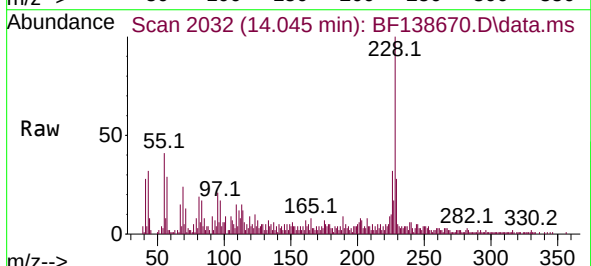
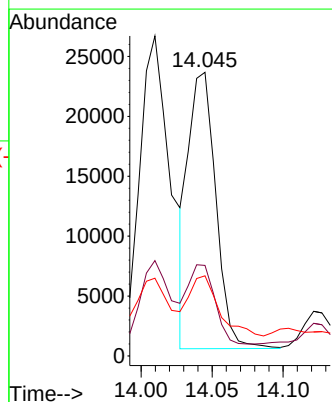
Manual Integrations
APPROVED

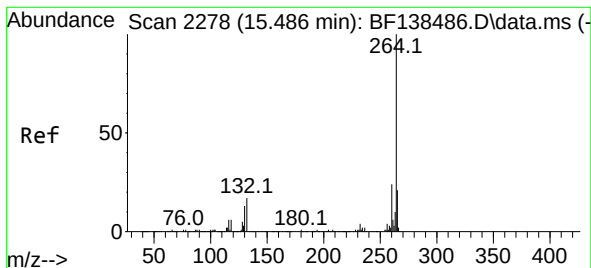
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#83
Chrysene
Concen: 3.882 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:228 Resp: 31123
Ion Ratio Lower Upper
228 100
226 31.9 24.4 36.6
229 28.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

EO-01-072524

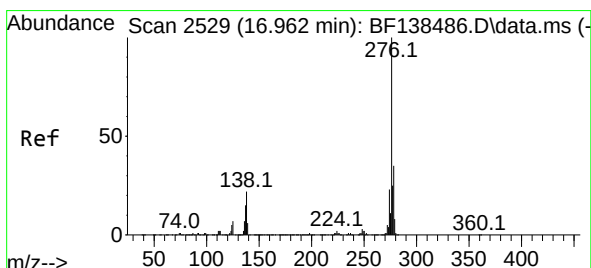
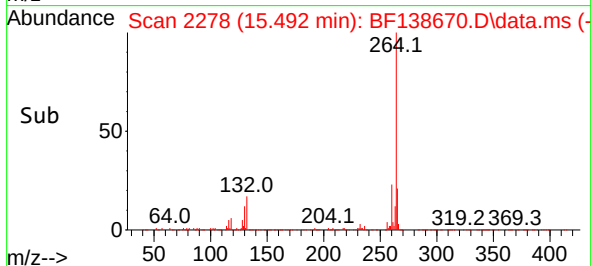
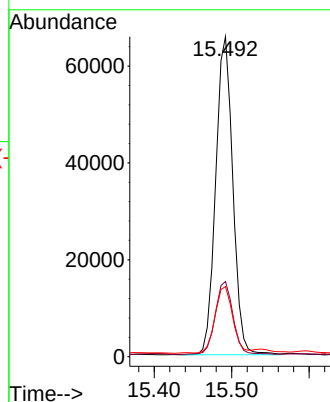
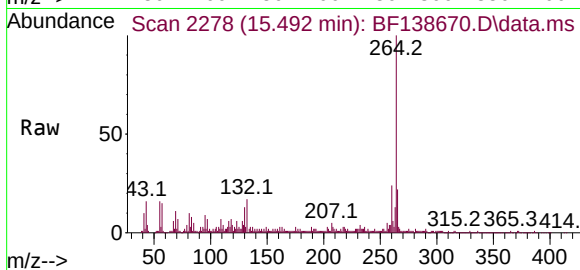
Tgt Ion:	264	Resp:	100939
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.6
265	21.9	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.373 ng

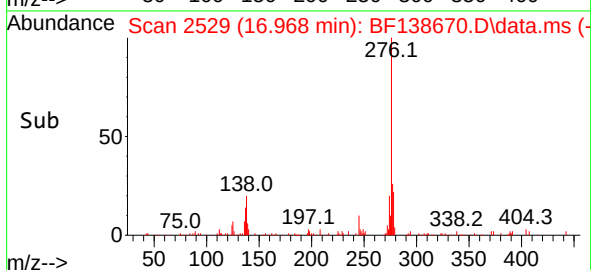
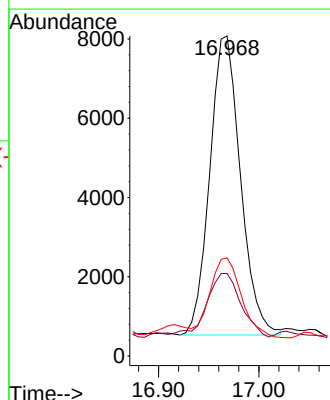
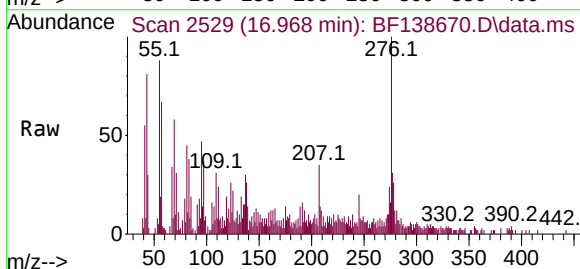
RT: 16.968 min Scan# 2529

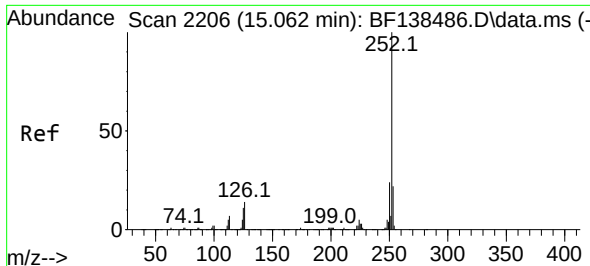
Delta R.T. 0.006 min

Lab File: BF138670.D

Acq: 29 Jul 2024 15:04

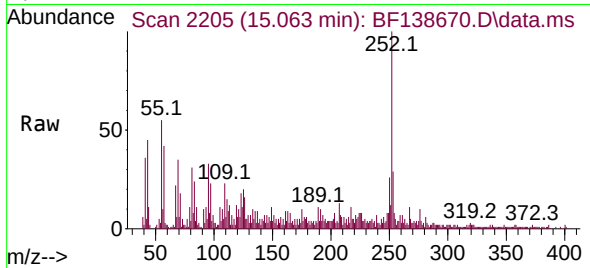
Tgt Ion:	276	Resp:	16086
Ion Ratio	Lower	Upper	
276	100		
138	25.2	19.6	29.4
277	27.4	20.5	30.7





#88
Benzo(b)fluoranthene
Concen: 5.994 ng m
RT: 15.063 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

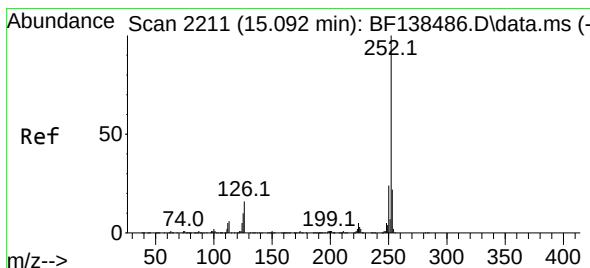
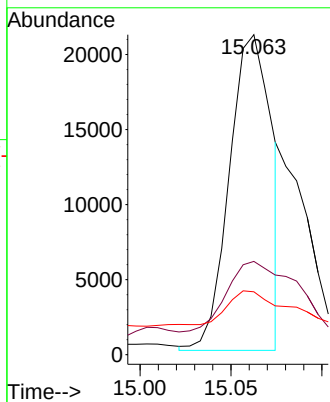
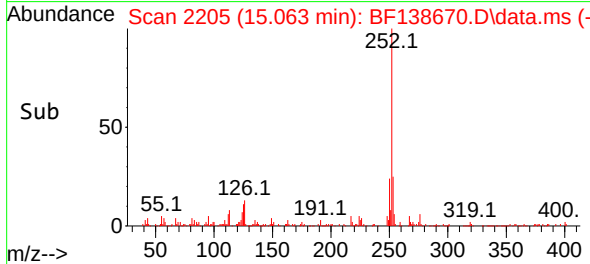
Instrument :
BNA_F
ClientSampleId :
EO-01-072524



Tgt Ion:252 Resp: 34074
Ion Ratio Lower Upper
252 100
253 29.2 17.3 25.9#
125 19.6 8.6 13.0#

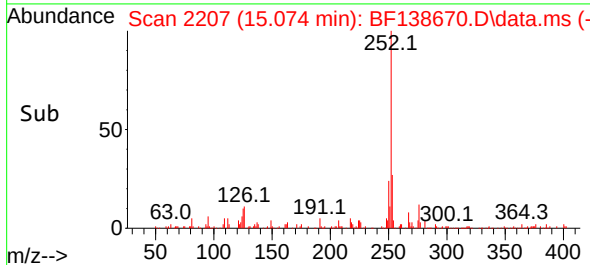
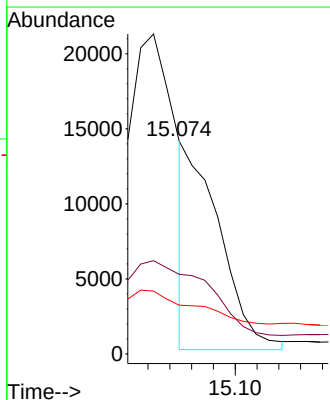
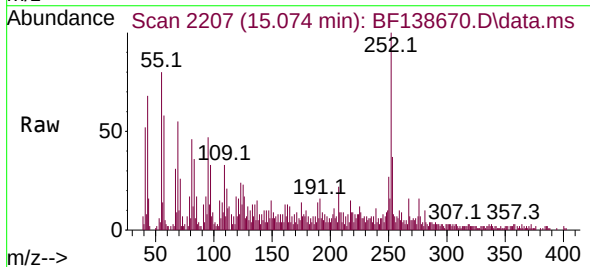
Manual Integrations
APPROVED

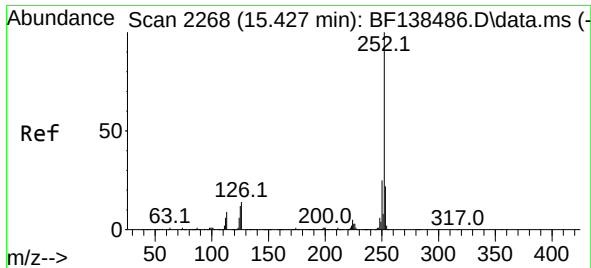
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#89
Benzo(k)fluoranthene
Concen: 2.679 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.017 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:252 Resp: 14850
Ion Ratio Lower Upper
252 100
253 37.4 17.7 26.5#
125 23.0 8.1 12.1#





#90
Benzo(a)pyrene
Concen: 4.878 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Instrument :

BNA_F

ClientSampleId :

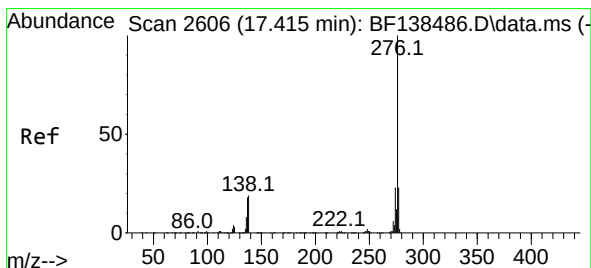
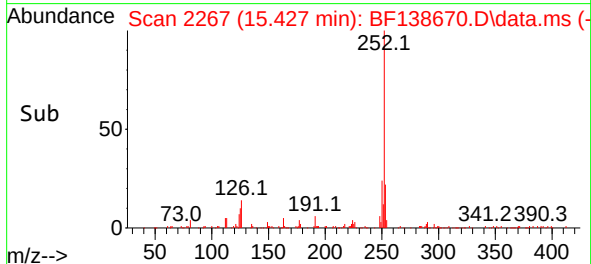
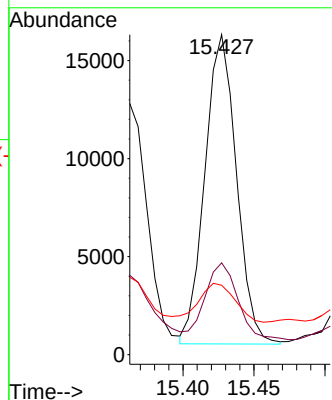
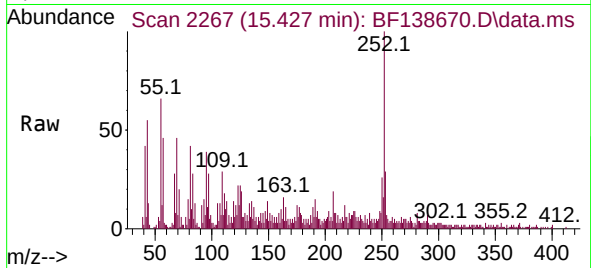
EO-01-072524

Tgt Ion:252 Resp: 2435
Ion Ratio Lower Upper
252 100
253 28.7 17.4 26.0#
125 21.7 9.4 14.2#

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#92
Benzo(g,h,i)perylene
Concen: 3.145 ng
RT: 17.415 min Scan# 2605
Delta R.T. 0.000 min
Lab File: BF138670.D
Acq: 29 Jul 2024 15:04

Tgt Ion:276 Resp: 18495
Ion Ratio Lower Upper
276 100
277 29.1 18.0 27.0#
138 23.8 15.5 23.3#

