

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140430.D
 Acq On : 16 Nov 2024 15:23
 Operator : RC/JU
 Sample : P4848-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Nov 18 00:07:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	115391	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	428679	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	223055	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	401877	20.000	ng	0.00
76) Chrysene-d12	14.045	240	228846	20.000	ng	0.00
86) Perylene-d12	15.539	264	261901	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	503974	74.571	ng	0.00
7) Phenol-d6	6.510	99	677340	73.974	ng	0.00
23) Nitrobenzene-d5	7.434	82	415056	50.447	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	135746	61.199	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	705662	50.857	ng	0.00
79) Terphenyl-d14	12.980	244	623356	47.281	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	38796m	2.055	ng	
72) Anthracene	11.475	178	43628	2.358	ng	96
75) Fluoranthene	12.616	202	138537	6.541	ng	100
78) Pyrene	12.845	202	156762	8.008	ng	98
81) Benzo(a)anthracene	14.033	228	69855	4.645	ng	# 84
83) Chrysene	14.069	228	63787	4.648	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	53654m	3.132	ng	
90) Benzo(a)pyrene	15.474	252	54682	4.110	ng	# 94

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

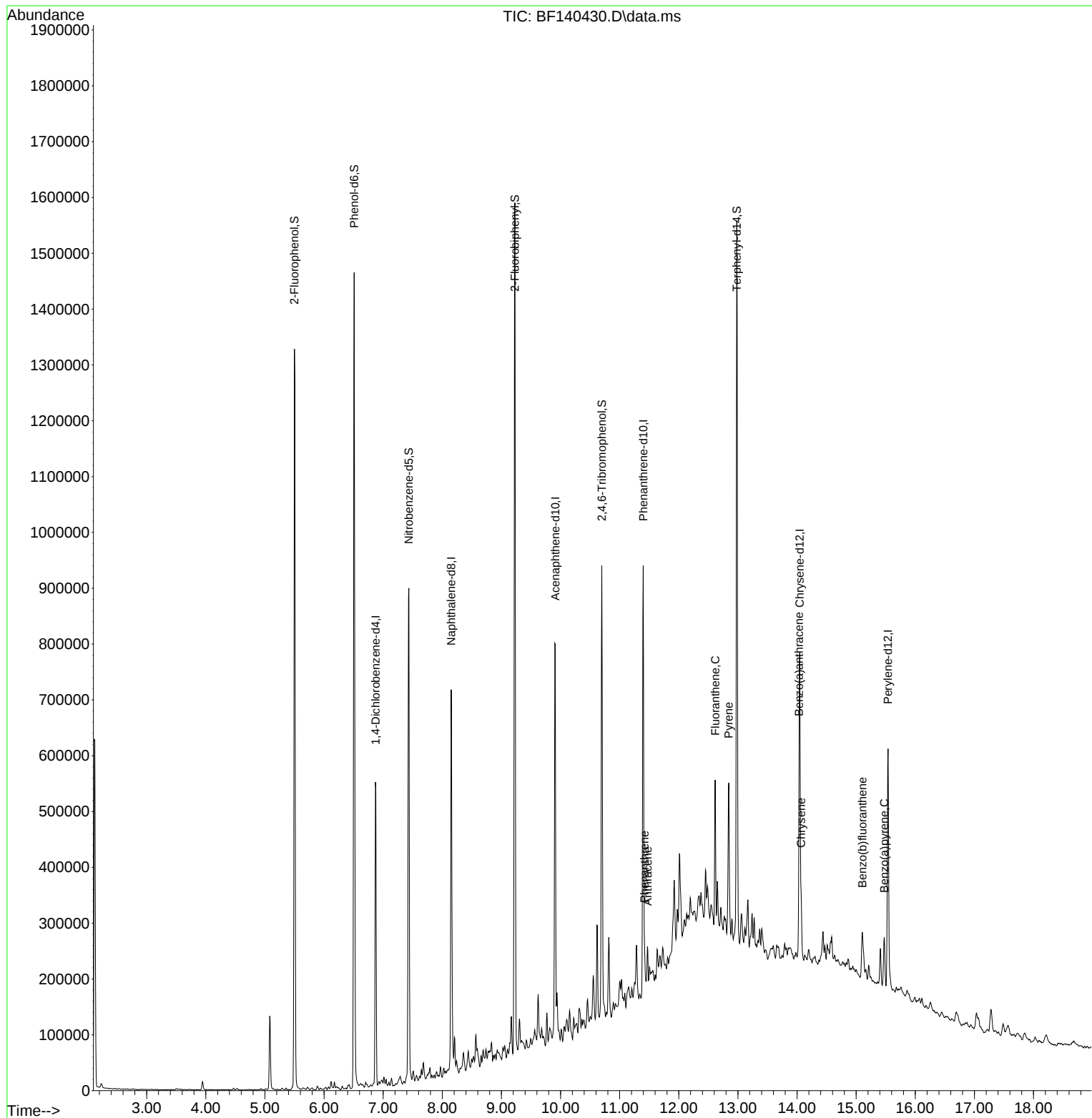
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140430.D
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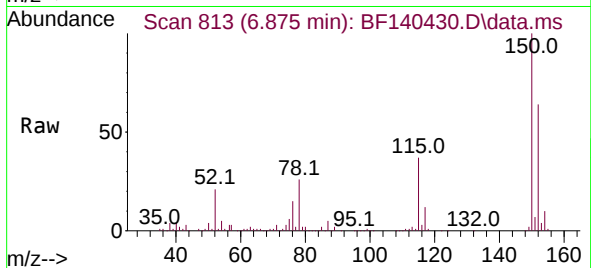
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

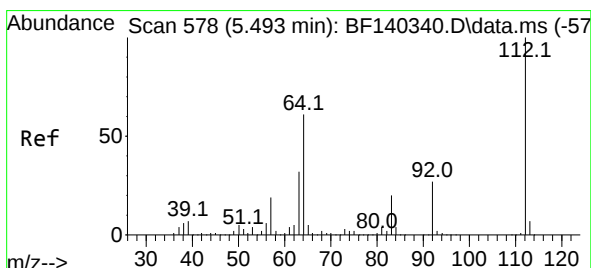
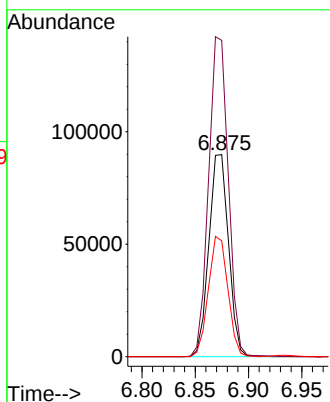
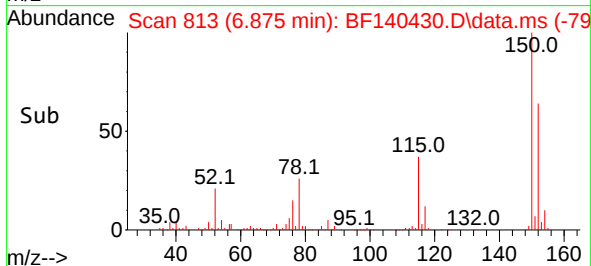
Instrument :
BNA_F
ClientSampleId :
TP-1



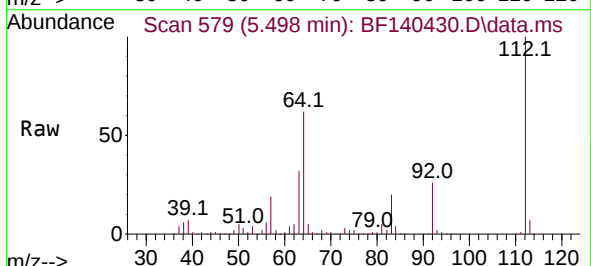
Tgt Ion:152 Resp: 11539
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.0
115 57.3 47.4 71.2

Manual Integrations
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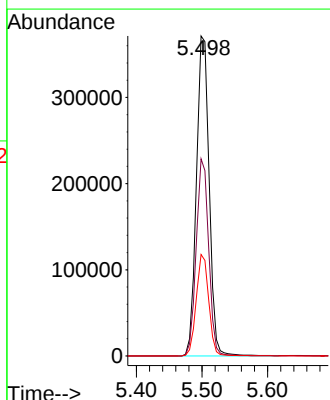
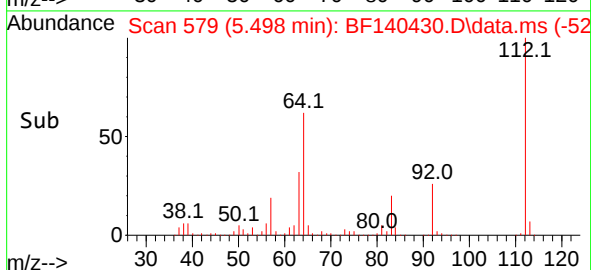
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#5
2-Fluorophenol
Concen: 74.571 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23



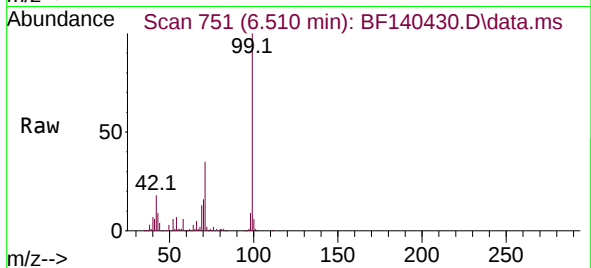
Tgt Ion:112 Resp: 503974
Ion Ratio Lower Upper
112 100
64 61.6 49.2 73.8
63 31.7 25.6 38.4





#7
Phenol-d6
Concen: 73.974 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

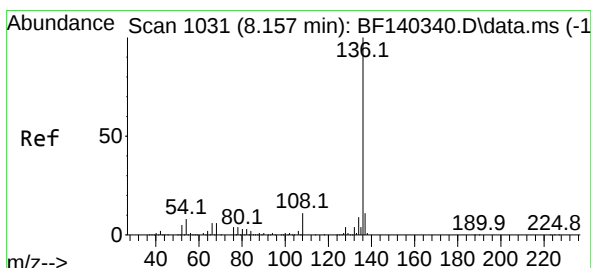
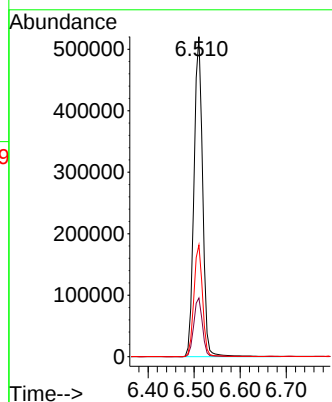
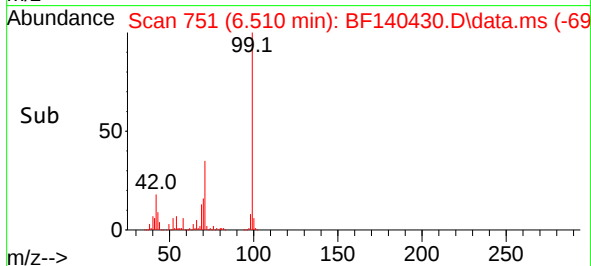
Instrument :
BNA_F
ClientSampleId :
TP-1



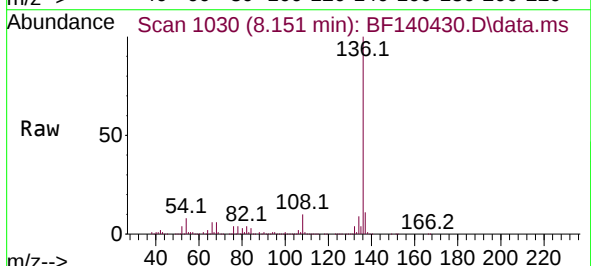
Tgt Ion: 99 Resp: 677340
Ion Ratio Lower Upper
99 100
42 18.4 15.1 22.7
71 34.9 27.9 41.9

Manual Integrations
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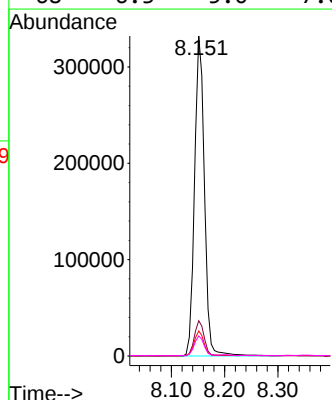
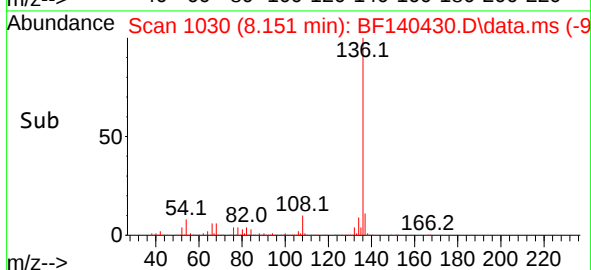
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

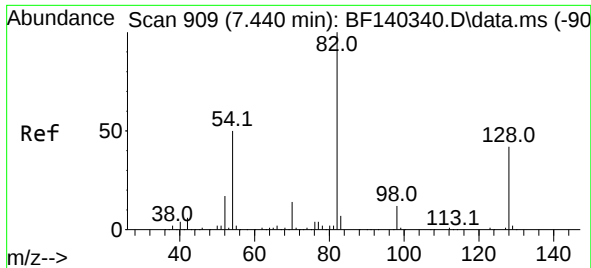


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23



Tgt Ion:136 Resp: 428679
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.8 6.5 9.7
68 6.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 50.447 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

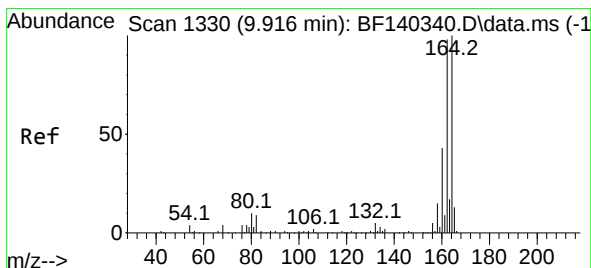
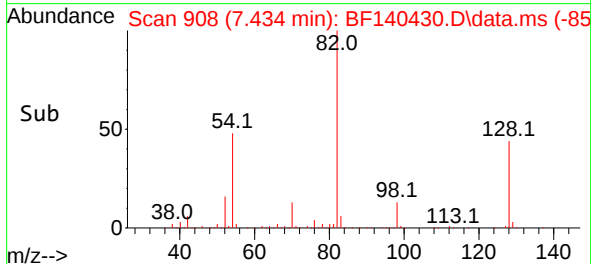
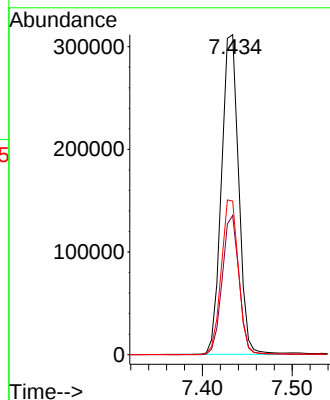
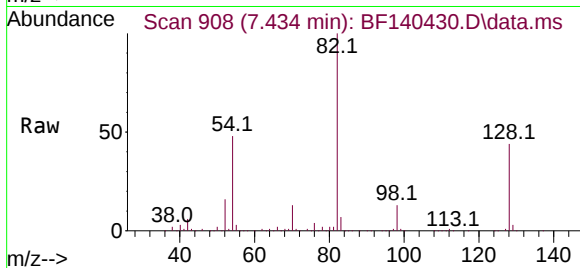
ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 415050
Ion Ratio Lower Upper
82 100
128 43.5 33.3 49.9
54 48.0 39.8 59.8

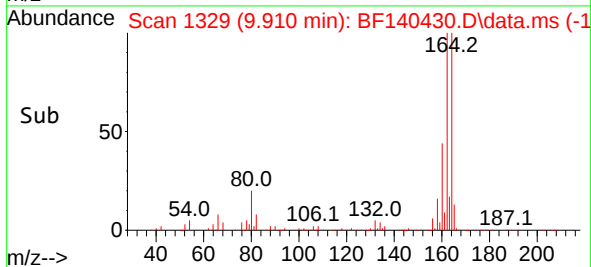
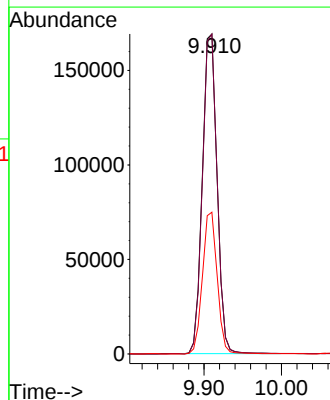
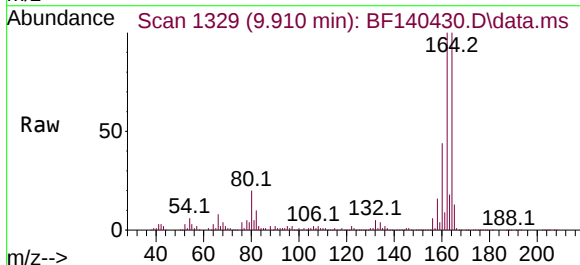
Manual Integrations
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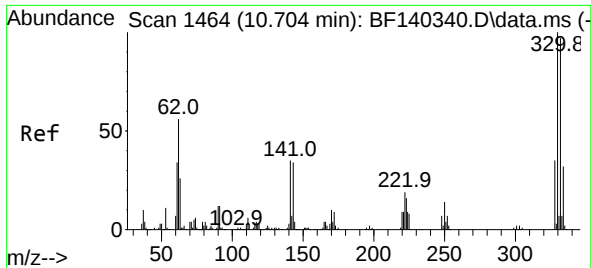
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

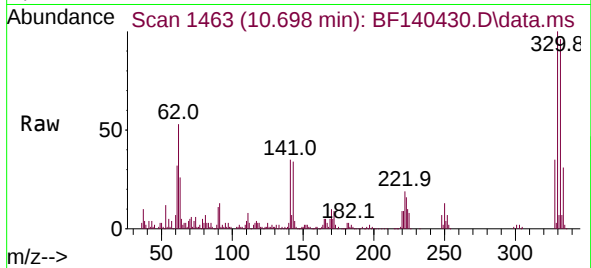
Tgt Ion:164 Resp: 223055
Ion Ratio Lower Upper
164 100
162 100.0 79.8 119.8
160 44.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 61.199 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

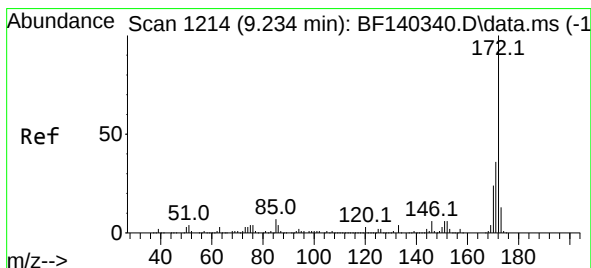
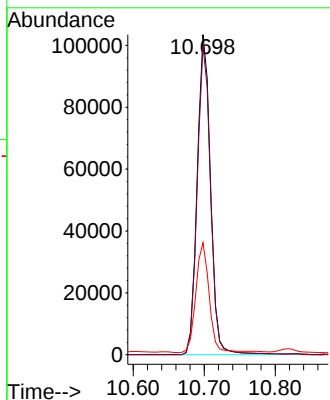
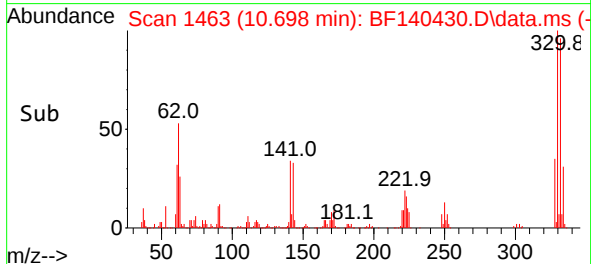
Instrument :
BNA_F
ClientSampleId :
TP-1



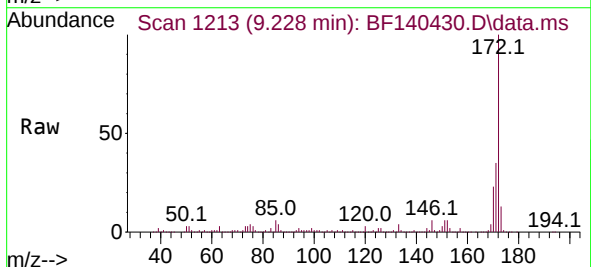
Tgt Ion: 330 Resp: 135740
Ion Ratio Lower Upper
330 100
332 96.4 75.9 113.9
141 34.0 26.9 40.3

Manual Integrations
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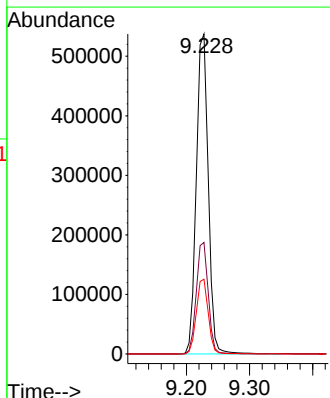
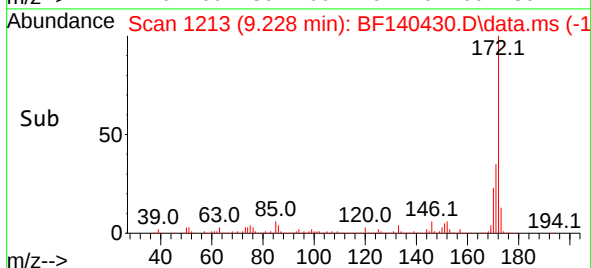
Reviewed By : Yogesh Patel 11/19/2024
Supervised By : mohammad ahmed 11/19/2024

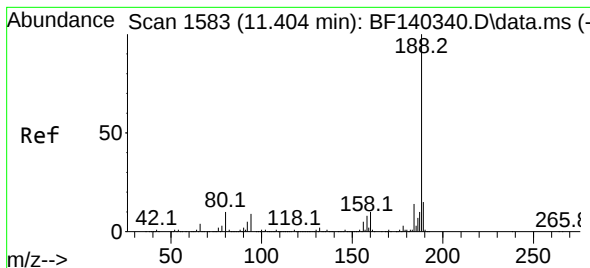


#45
2-Fluorobiphenyl
Concen: 50.857 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23



Tgt Ion: 172 Resp: 705662
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 23.3 19.1 28.7





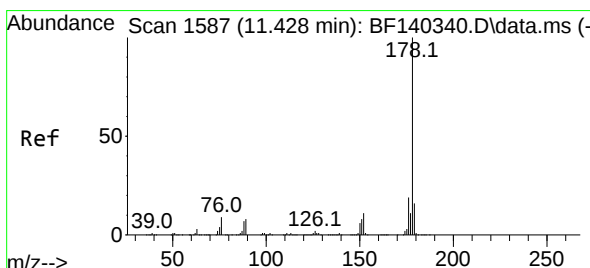
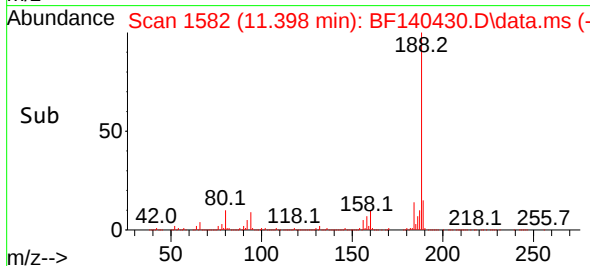
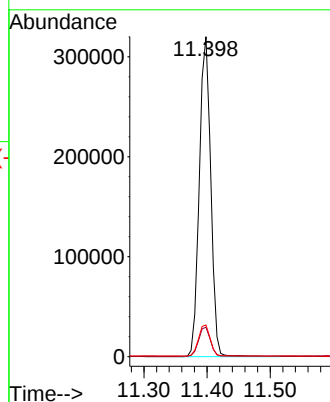
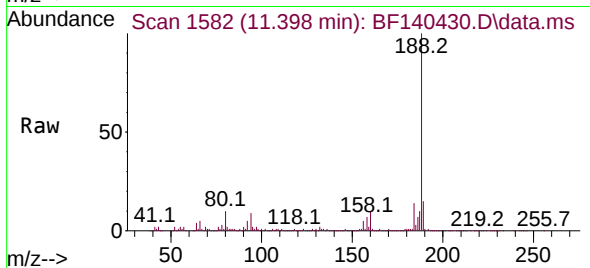
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 40187
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 9.9 8.0 12.0

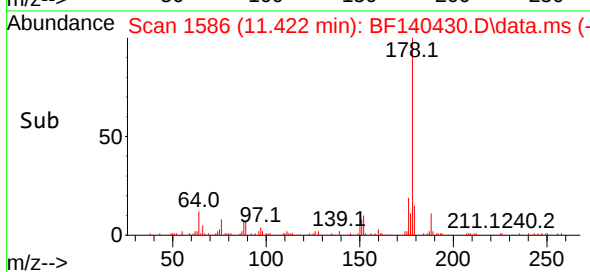
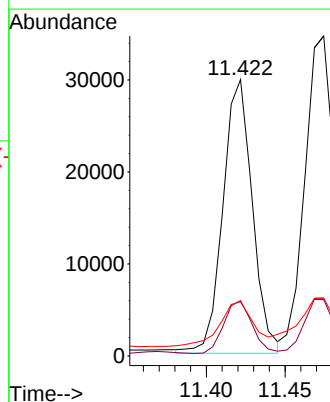
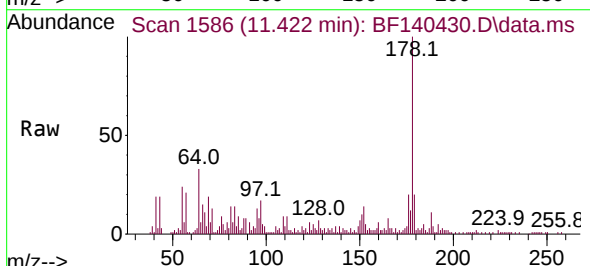
Manual Integrations
APPROVED

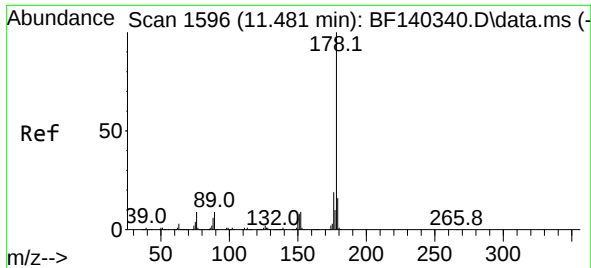
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#71
Phenanthrene
Concen: 2.055 ng m
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Tgt Ion:178 Resp: 38796
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 19.5 12.4 18.6#





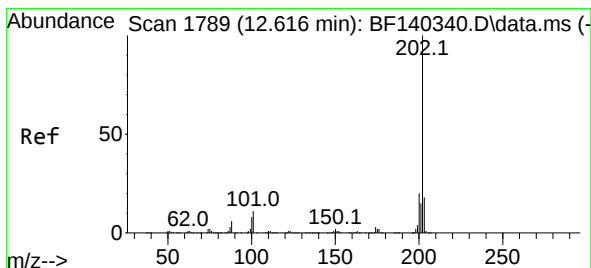
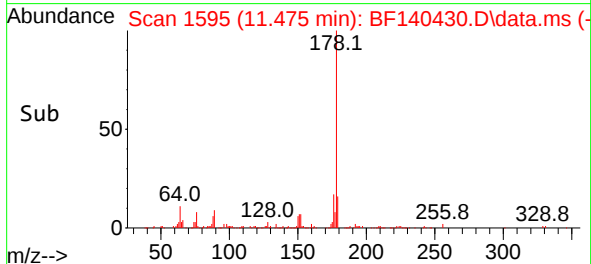
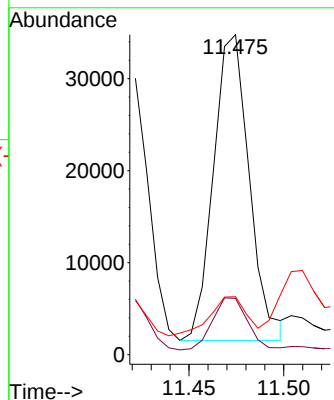
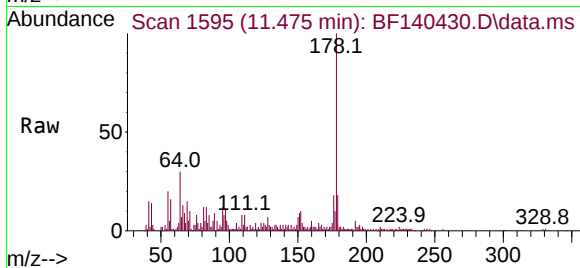
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 Anthracene
 Concen: 2.358 ng
 RT: 11.475 min Scan# 1596
 Delta R.T. -0.006 min
 Lab File: BF140430.D
 Acq: 16 Nov 2024 15:23

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:178 Resp: 43628
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.0
 179 18.1 12.6 18.8

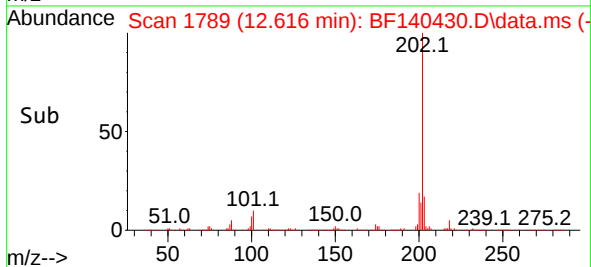
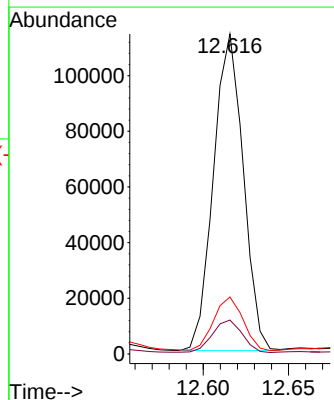
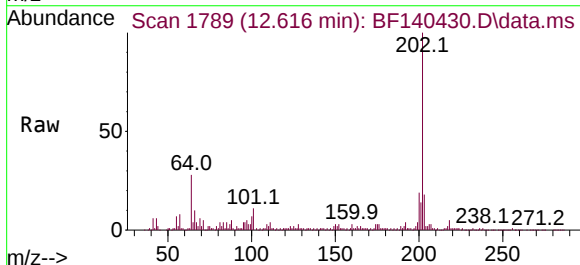
Manual Integrations
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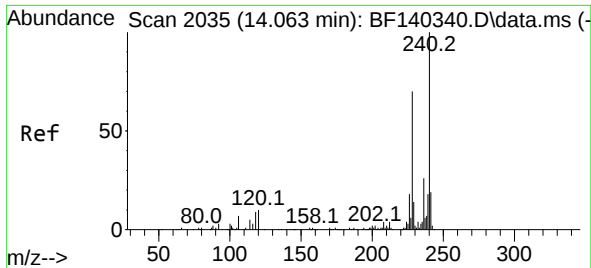
Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024



#75
 Fluoranthene
 Concen: 6.541 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.000 min
 Lab File: BF140430.D
 Acq: 16 Nov 2024 15:23

Tgt Ion:202 Resp: 138537
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 30.7
 203 17.8 0.0 37.7





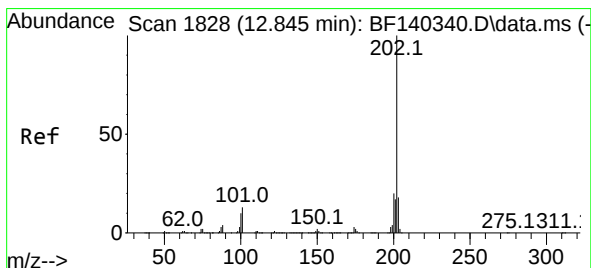
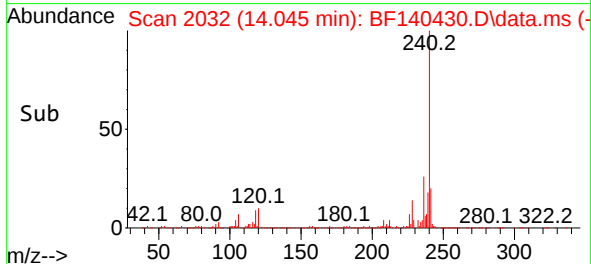
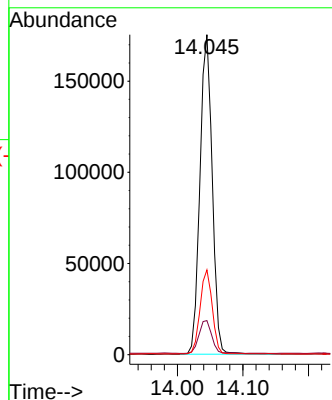
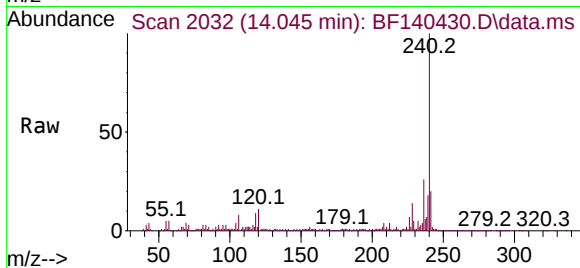
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:240 Resp: 228840
Ion Ratio Lower Upper
240 100
120 10.6 8.8 13.2
236 26.5 20.9 31.3

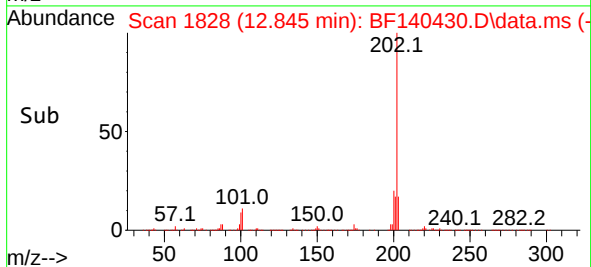
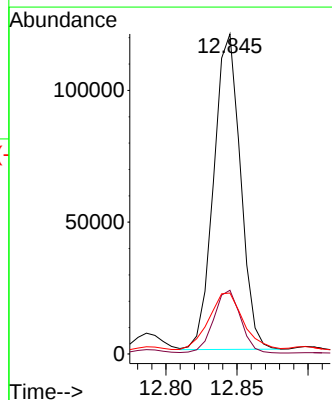
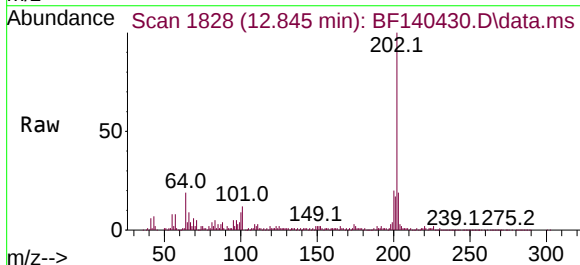
Manual Integrations
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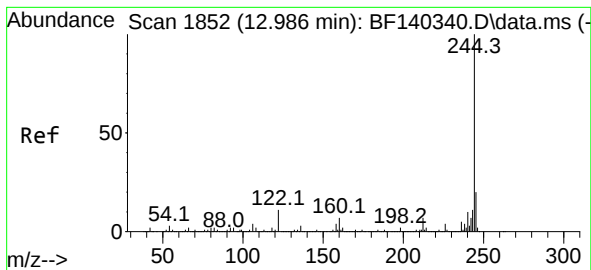
Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#78
Pyrene
Concen: 8.008 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Tgt Ion:202 Resp: 156762
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 19.1 14.2 21.4





#79

Terphenyl-d14

Concen: 47.281 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:244 Resp: 623350

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

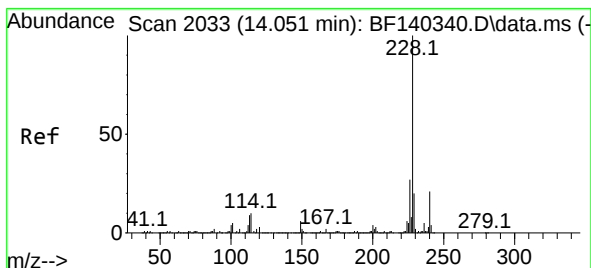
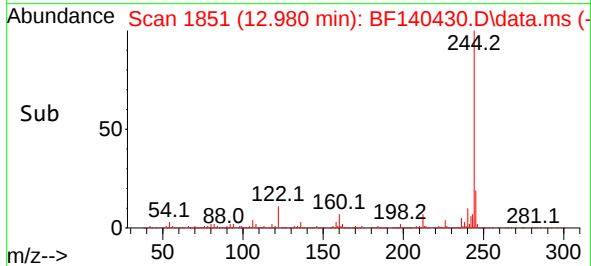
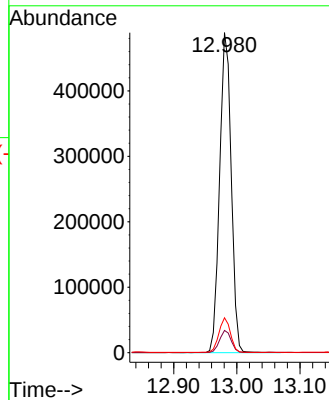
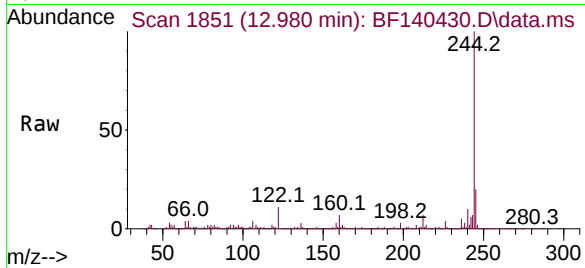
122 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#81

Benzo(a)anthracene

Concen: 4.645 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

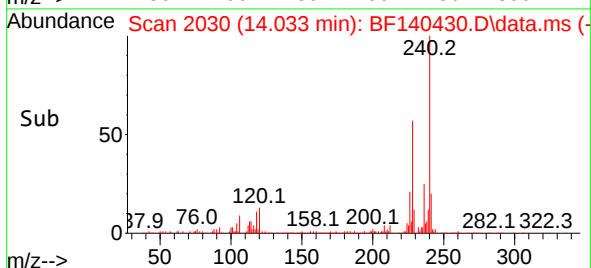
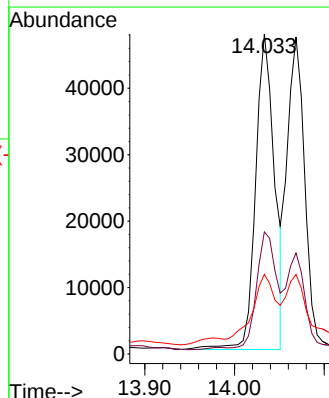
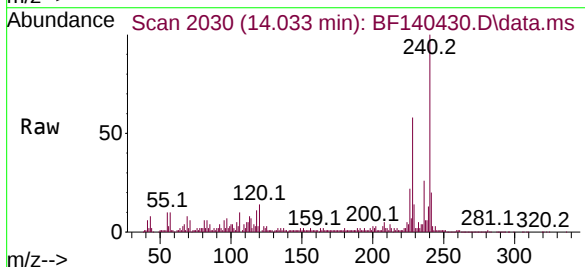
Tgt Ion:228 Resp: 69855

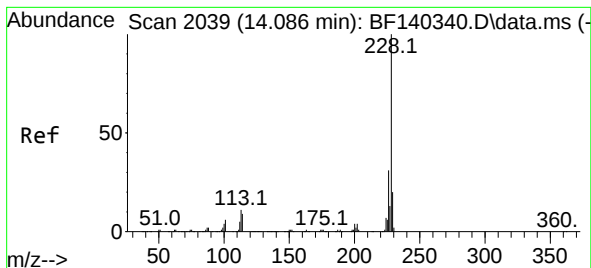
Ion Ratio Lower Upper

228 100

226 38.2 22.2 33.4#

229 24.9 15.8 23.6#





#83

Chrysene

Concen: 4.648 ng

RT: 14.069 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

Instrument :

BNA_F

ClientSampleId :

TP-1

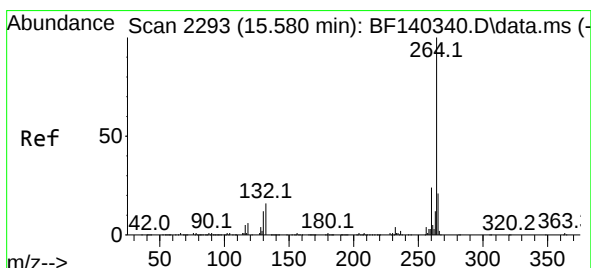
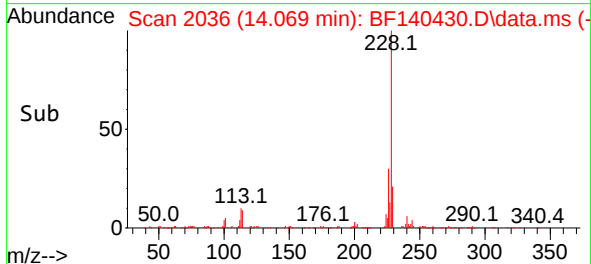
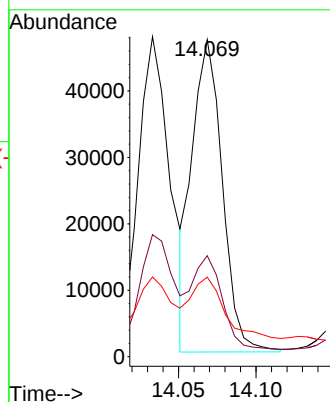
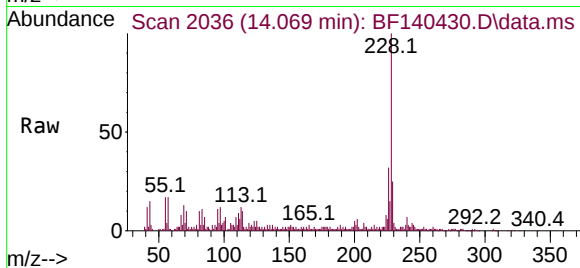
Tgt Ion:	228	Resp:	6378
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.5	36.7
229	25.1	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024



#86

Perylene-d12

Concen: 20.000 ng

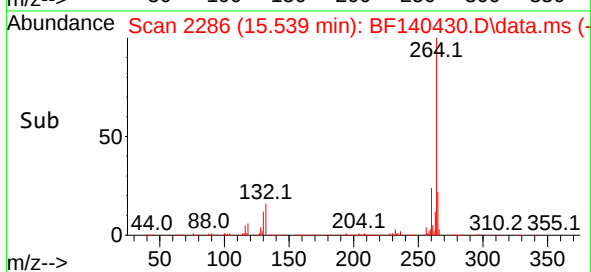
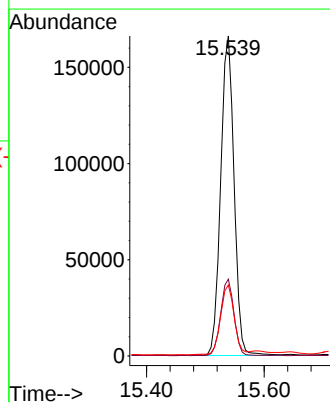
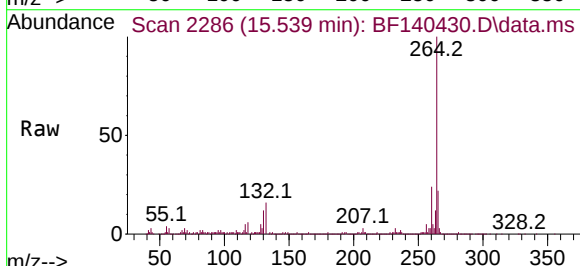
RT: 15.539 min Scan# 2286

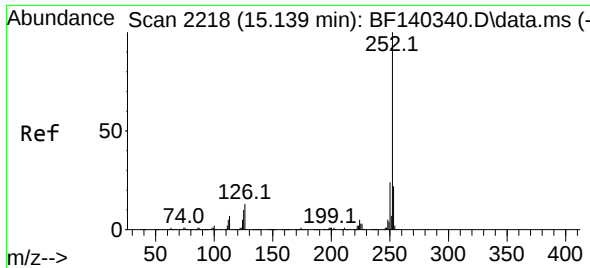
Delta R.T. -0.018 min

Lab File: BF140430.D

Acq: 16 Nov 2024 15:23

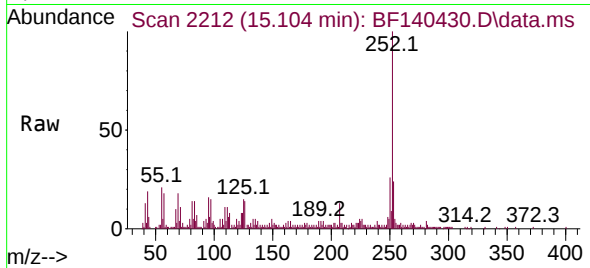
Tgt Ion:	264	Resp:	261901
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	22.2	17.1	25.7





#88
Benzo(b)fluoranthene
Concen: 3.132 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

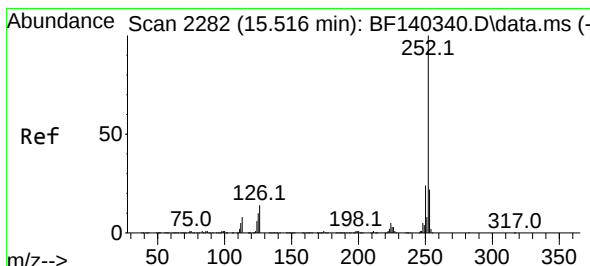
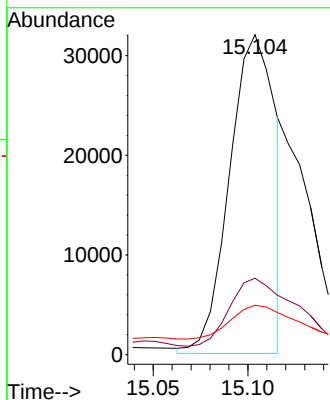
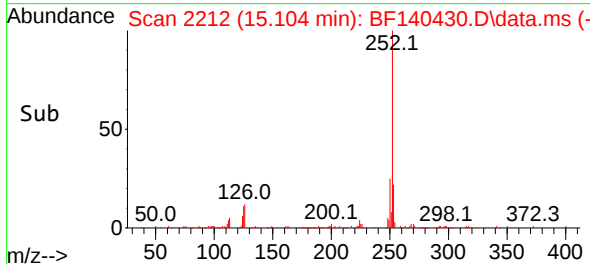
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 53654
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 15.5 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



#90
Benzo(a)pyrene
Concen: 4.110 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.018 min
Lab File: BF140430.D
Acq: 16 Nov 2024 15:23

Tgt Ion:252 Resp: 54682
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 14.6 8.4 12.6

