

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140381.D
 Acq On : 14 Nov 2024 23:39
 Operator : RC/JU
 Sample : P4811-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB24008RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024

Quant Time: Nov 15 02:36:47 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	109533	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	363690	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	51697	20.000	ng	-0.13
64) Phenanthrene-d10	11.316	188	7490	20.000	ng	#-0.09
76) Chrysene-d12	14.086	240	182778	20.000	ng	0.04
86) Perylene-d12	15.545	264	149114	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	558231	87.016	ng	0.02
7) Phenol-d6	6.522	99	723716	83.266	ng	0.02
23) Nitrobenzene-d5	7.434	82	433968	62.171	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	113948	221.652	ng	0.06
45) 2-Fluorobiphenyl	9.228	172	655329	203.778	ng	0.00
79) Terphenyl-d14	13.068	244	471703	44.796	ng	0.08
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.333	154	15740	4.185	ng	84
81) Benzo(a)anthracene	14.080	228	30947	2.576	ng	# 87
83) Chrysene	14.110	228	38736	3.534	ng	# 90
88) Benzo(b)fluoranthene	15.115	252	39798m	4.080	ng	
89) Benzo(k)fluoranthene	15.127	252	15956m	2.002	ng	
90) Benzo(a)pyrene	15.480	252	22375	2.954	ng	# 86
92) Benzo(g,h,i)perylene	17.492	276	16897	2.171	ng	# 93

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

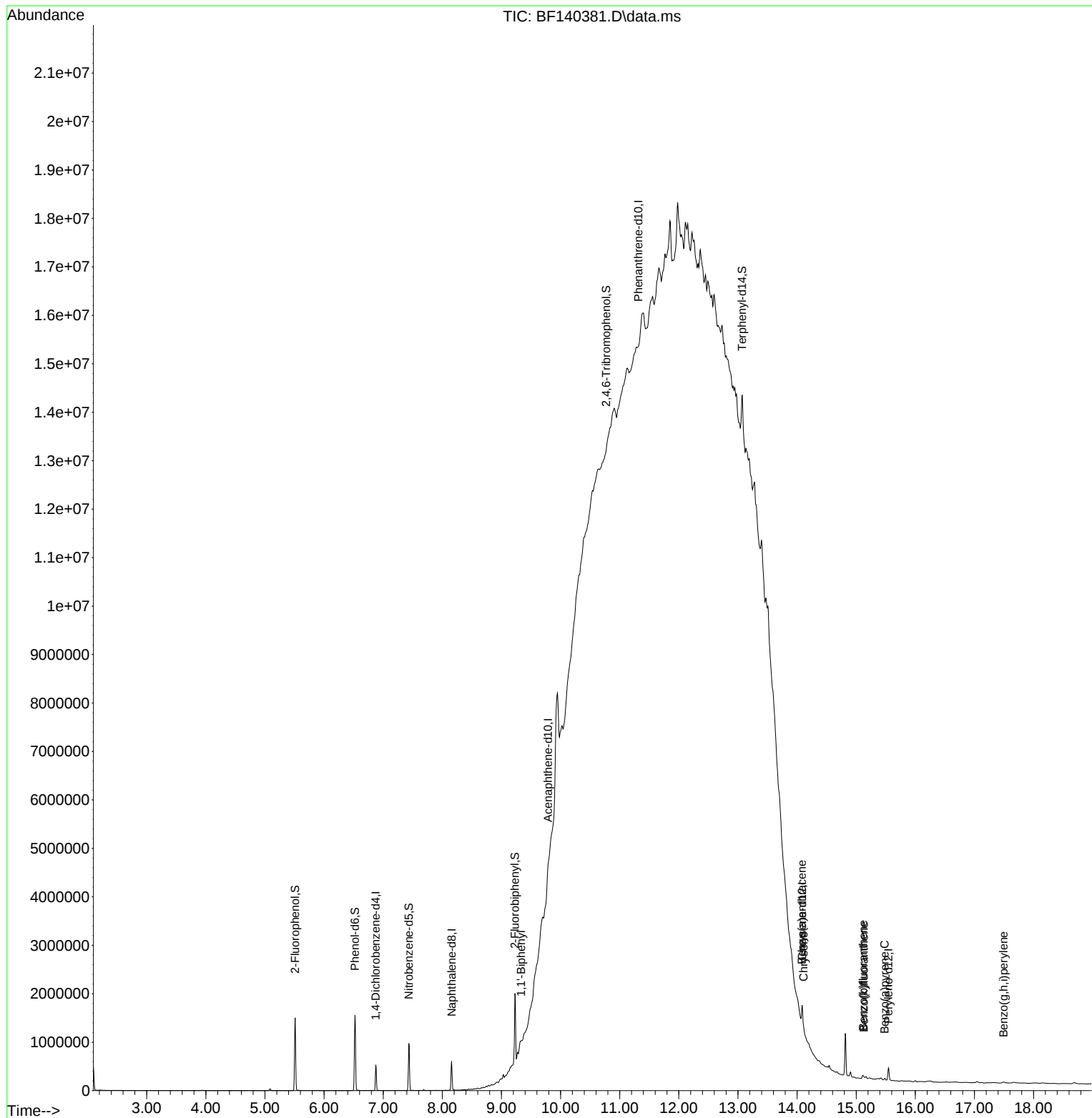
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140381.D
Acq On : 14 Nov 2024 23:39
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Sample : P4811-01RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

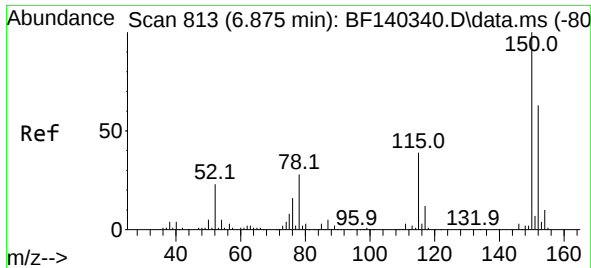
Instrument :
BNA_F
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RB24008RE

Quant Time: Nov 15 02:36:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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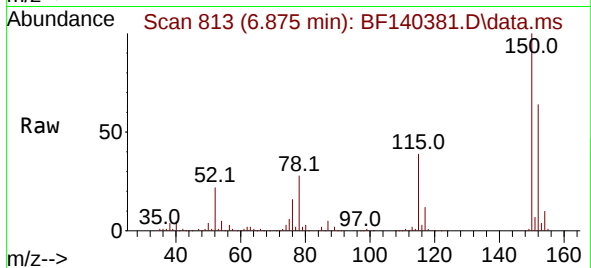
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

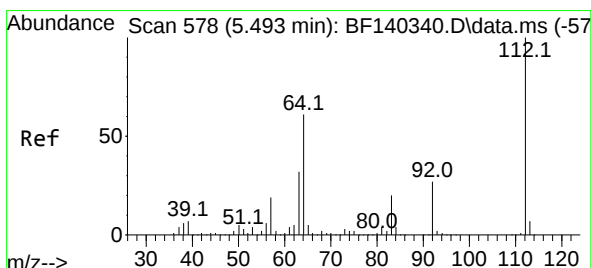
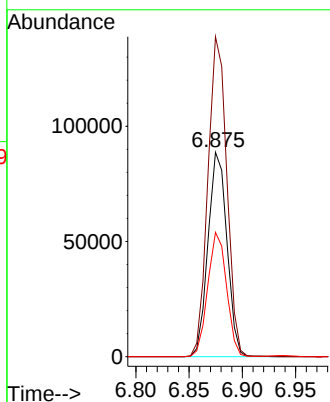
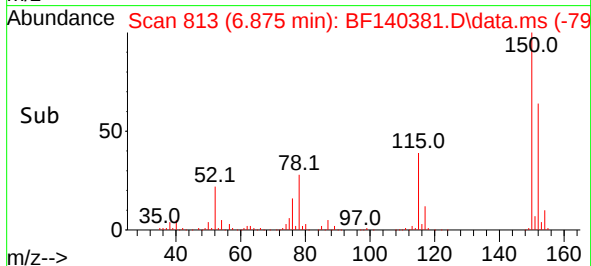
Instrument :
BNA_F
ClientSampleId :
RB24008RE



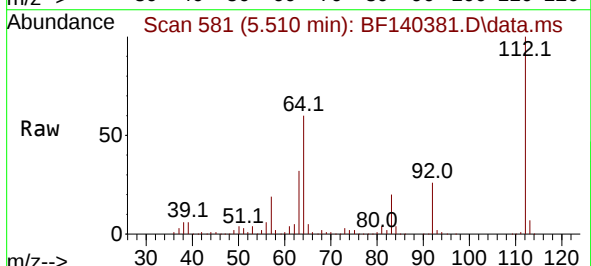
Tgt Ion:152 Resp: 10953
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 60.8 47.4 71.2

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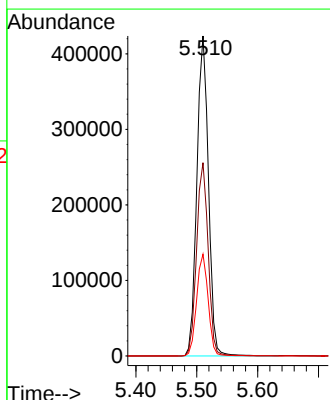
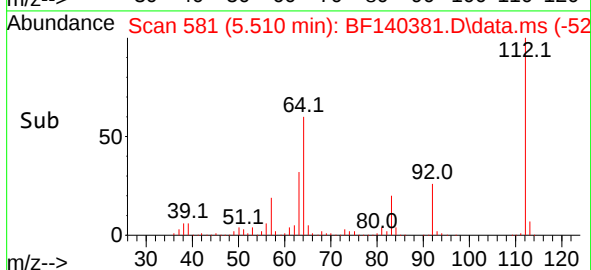
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

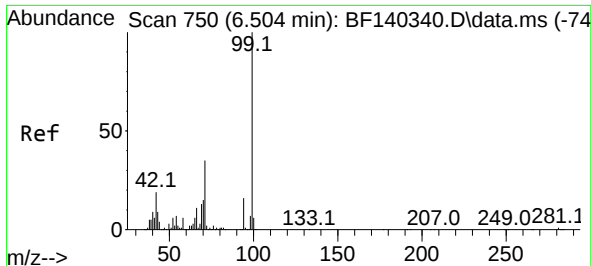


#5
2-Fluorophenol
Concen: 87.016 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39



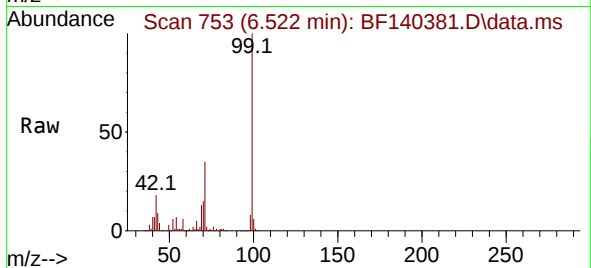
Tgt Ion:112 Resp: 558231
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 31.8 25.6 38.4





#7
Phenol-d6
Concen: 83.266 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.018 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

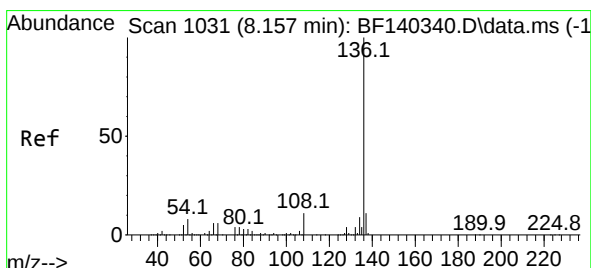
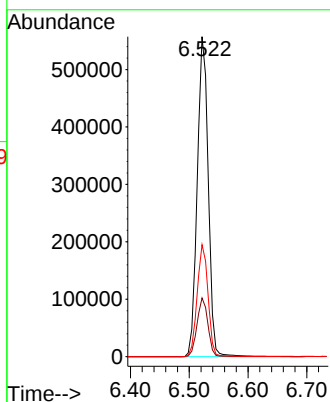
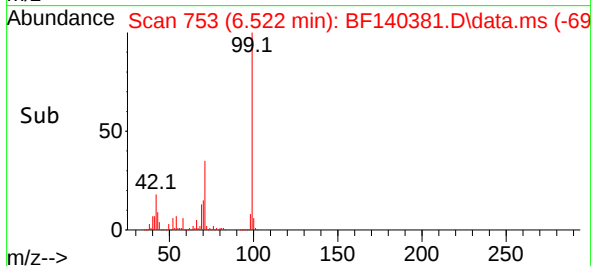
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 723710
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 35.0 27.9 41.9

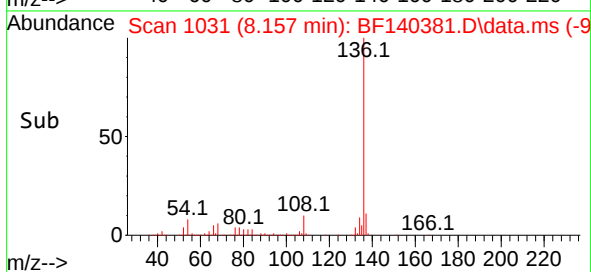
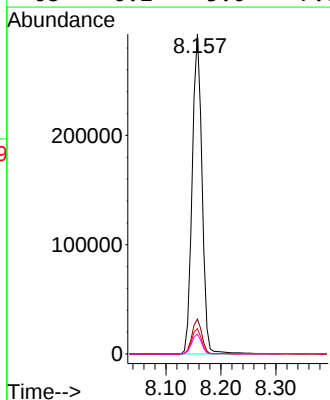
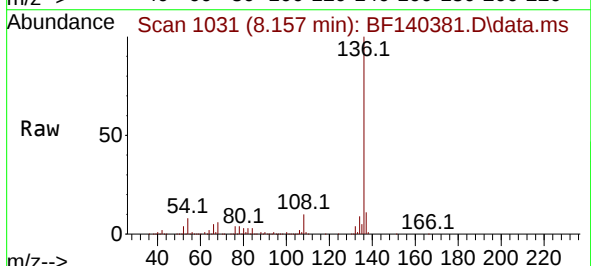
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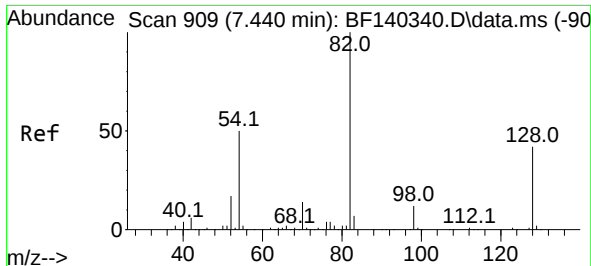
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

Tgt Ion:136 Resp: 363690
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.9 6.5 9.7
68 6.2 5.0 7.6





#23
Nitrobenzene-d5
Concen: 62.171 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

Instrument :

BNA_F

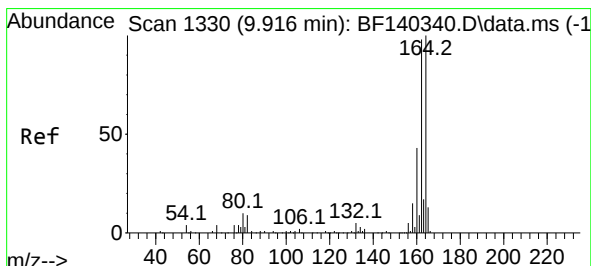
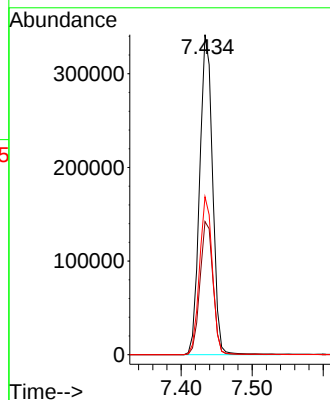
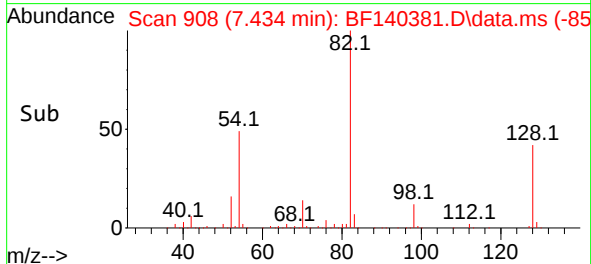
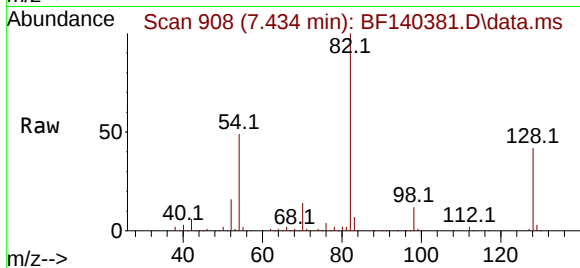
ClientSampleId :

RB24008RE

Tgt Ion: 82 Resp: 433968
Ion Ratio Lower Upper
82 100
128 41.6 33.3 49.9
54 49.4 39.8 59.8

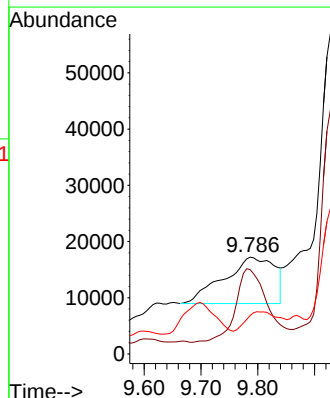
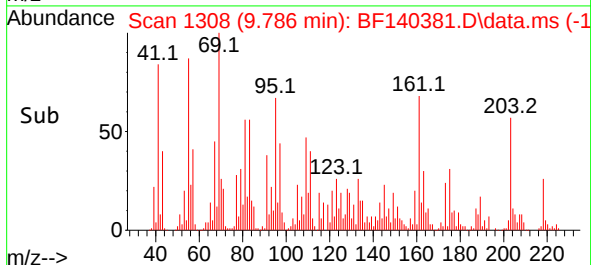
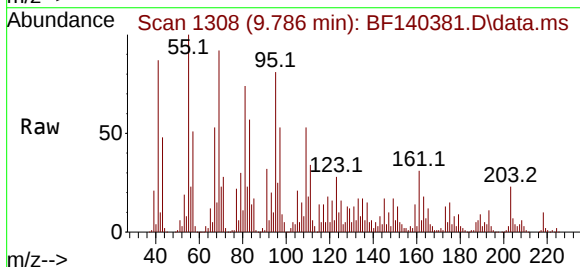
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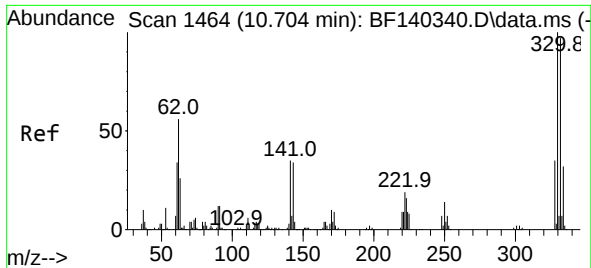
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1308
Delta R.T. -0.130 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

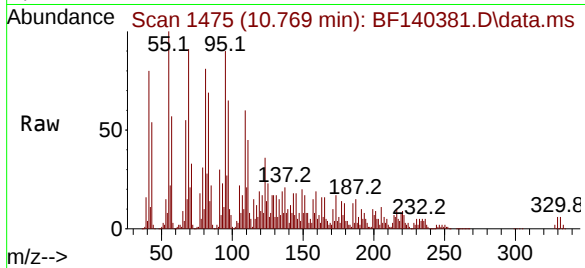
Tgt Ion:164 Resp: 51697
Ion Ratio Lower Upper
164 100
162 87.1 79.8 119.8
160 39.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 221.652 ng
RT: 10.769 min Scan# 1464
Delta R.T. 0.065 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

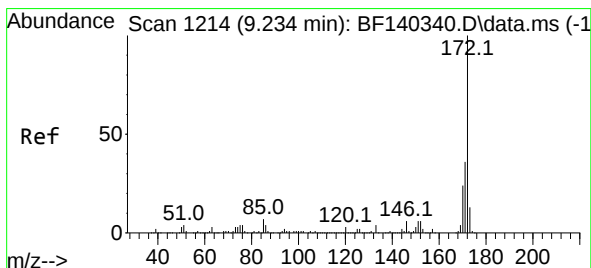
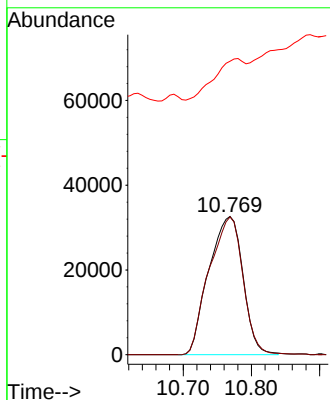
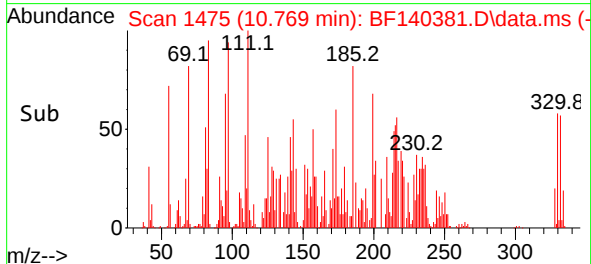
Instrument :
BNA_F
ClientSampleId :
RB24008RE



Tgt Ion:330 Resp: 113948
Ion Ratio Lower Upper
330 100
332 98.3 75.9 113.9
141 0.0 26.9 40.3

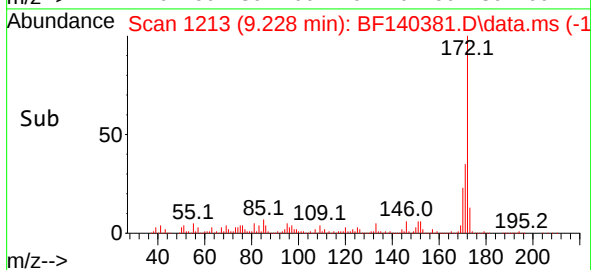
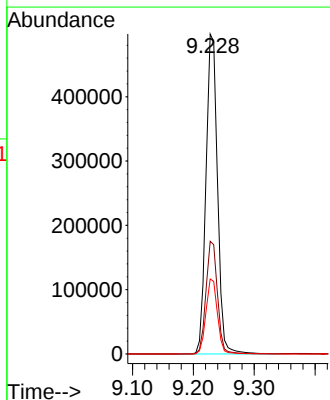
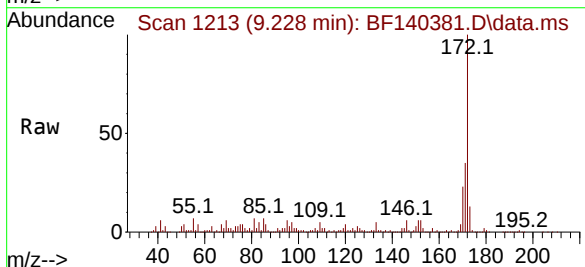
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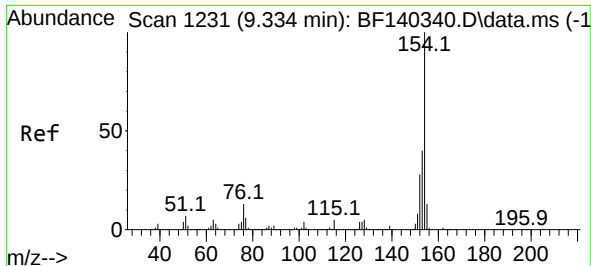
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#45
2-Fluorobiphenyl
Concen: 203.778 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

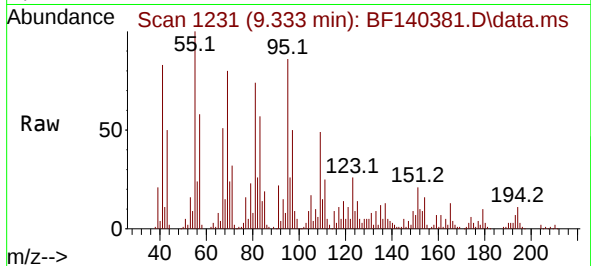
Tgt Ion:172 Resp: 655329
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 19.1 28.7





#46
1,1'-Biphenyl
Concen: 4.185 ng
RT: 9.333 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

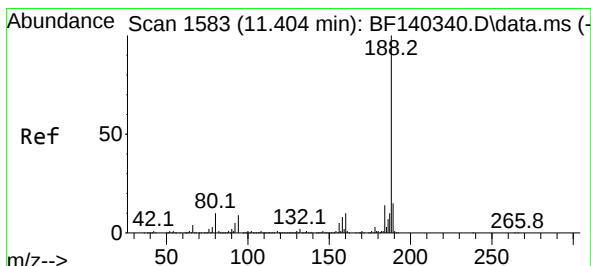
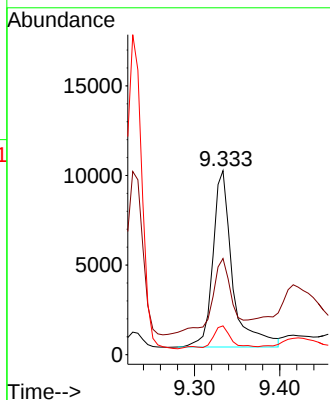
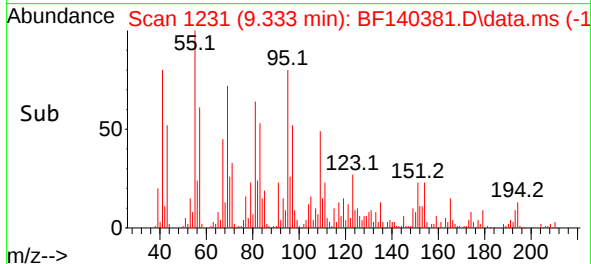
Instrument :
BNA_F
ClientSampleId :
RB24008RE



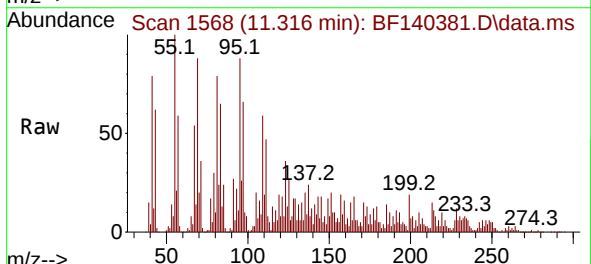
Tgt Ion:154 Resp: 15740
Ion Ratio Lower Upper
154 100
153 52.3 20.4 60.4
76 15.6 0.0 32.9

Manual Integrations
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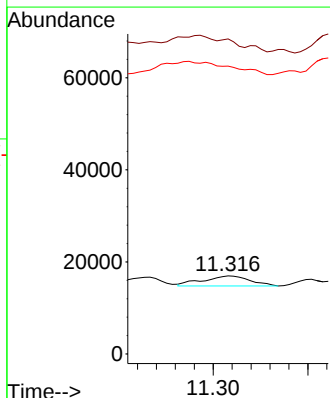
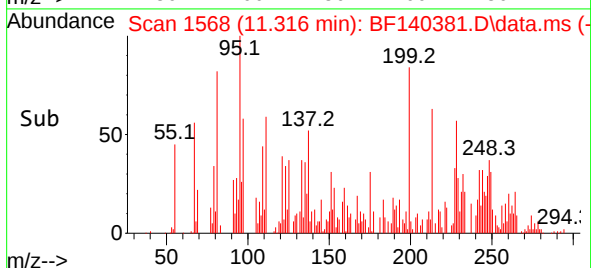
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

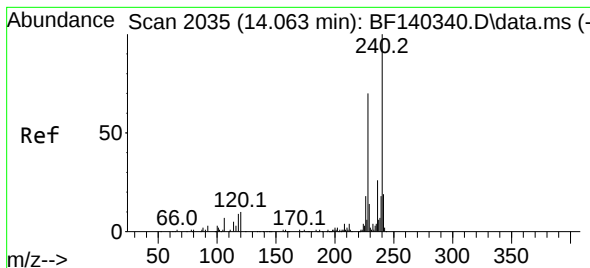


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.088 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39



Tgt Ion:188 Resp: 7490
Ion Ratio Lower Upper
188 100
94 403.8 7.6 11.4#
80 368.9 8.0 12.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2035

Delta R.T. 0.035 min

Lab File: BF140381.D

Acq: 14 Nov 2024 23:39

Instrument :

BNA_F

ClientSampleId :

RB24008RE

Tgt Ion:240 Resp: 182778

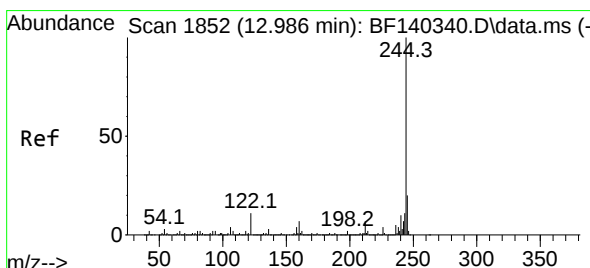
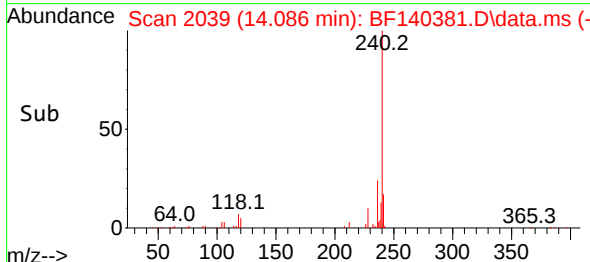
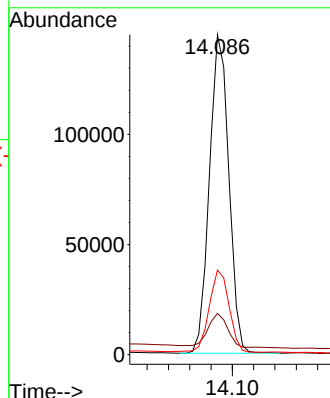
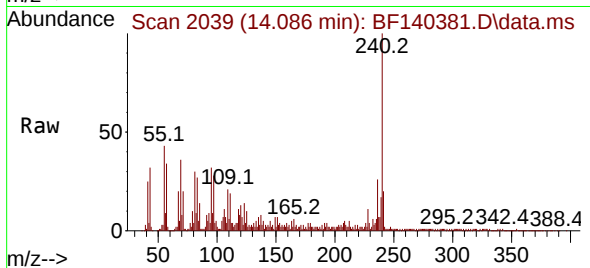
Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.8	13.2
236	26.4	20.9	31.3

Manual Integrations

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Supervised By :mohammad ahmed 11/15/2024



#79

Terphenyl-d14

Concen: 44.796 ng

RT: 13.068 min Scan# 1866

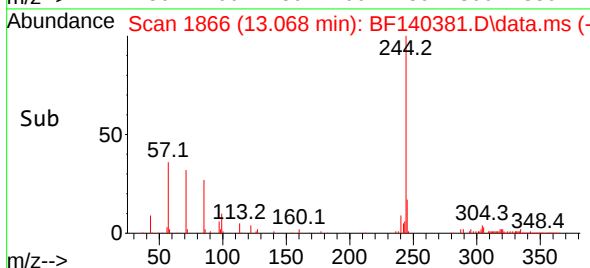
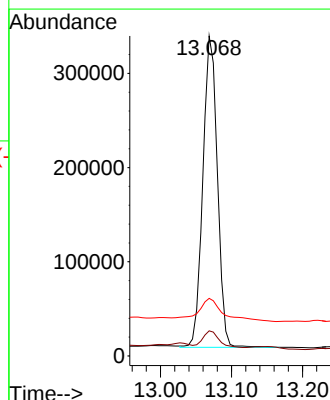
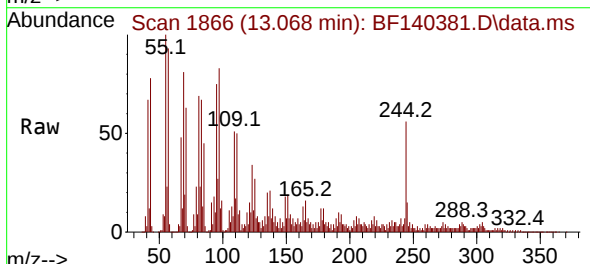
Delta R.T. 0.082 min

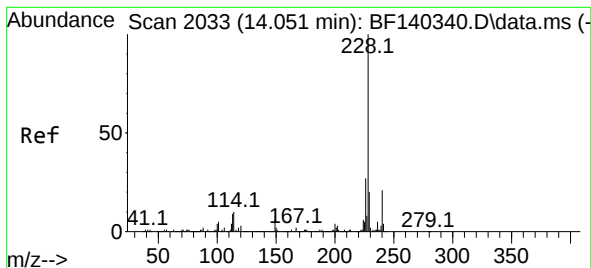
Lab File: BF140381.D

Acq: 14 Nov 2024 23:39

Tgt Ion:244 Resp: 471703

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	18.0	8.8	13.2





#81

Benzo(a)anthracene

Concen: 2.576 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.041 min

Lab File: BF140381.D

Acq: 14 Nov 2024 23:39

Instrument :

BNF_F

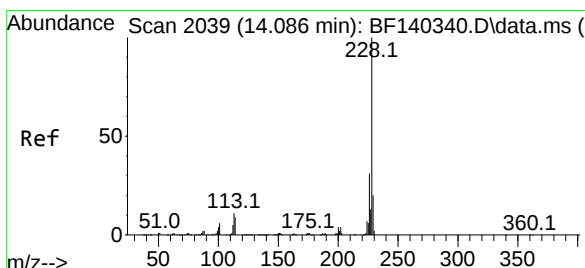
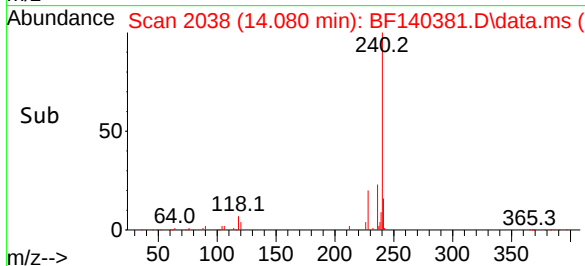
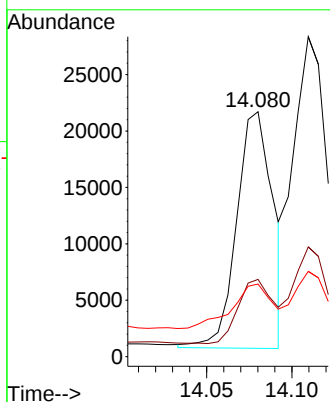
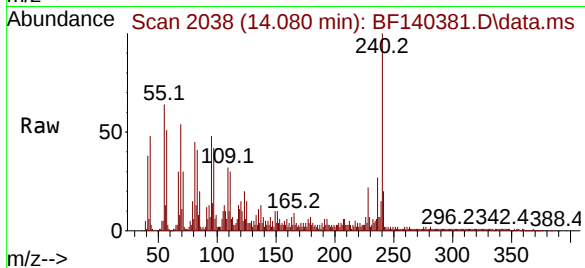
ClientSampleId :

RB24008RE

Tgt Ion:228 Resp: 3094
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.2 33.4
 229 29.7 15.8 23.6

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 Supervised By :mohammad ahmed 11/15/2024



#83

Chrysene

Concen: 3.534 ng

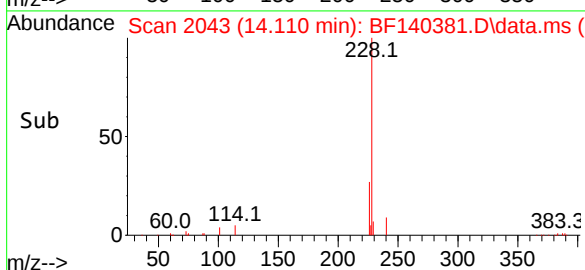
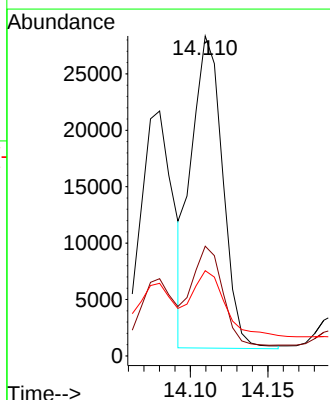
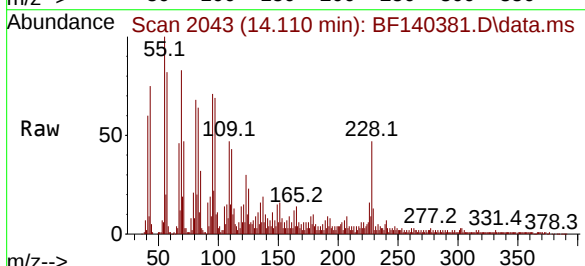
RT: 14.110 min Scan# 2043

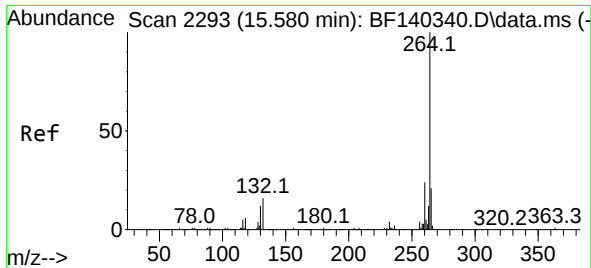
Delta R.T. 0.029 min

Lab File: BF140381.D

Acq: 14 Nov 2024 23:39

Tgt Ion:228 Resp: 38736
 Ion Ratio Lower Upper
 228 100
 226 34.3 24.5 36.7
 229 26.7 16.0 24.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2114
 Delta R.T. -0.012 min
 Lab File: BF140381.D
 Acq: 14 Nov 2024 23:39

Instrument :

BNA_F

ClientSampleId :

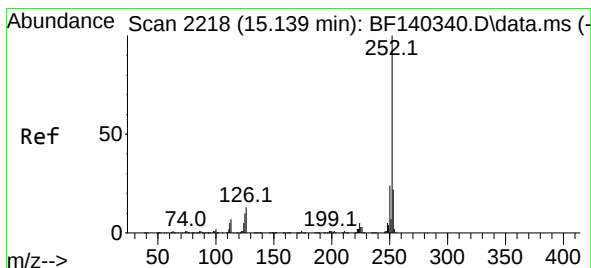
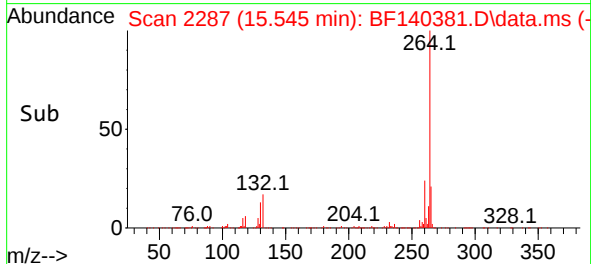
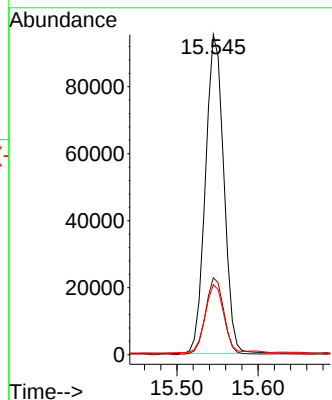
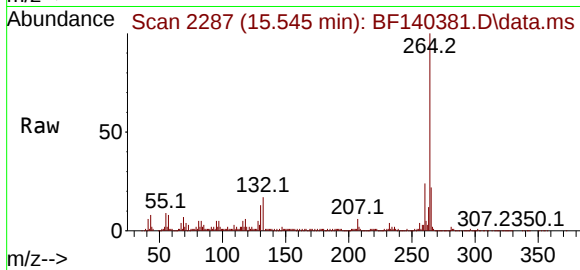
RB24008RE

Tgt Ion:264 Resp: 149114
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.9 17.1 25.7

Manual Integrations

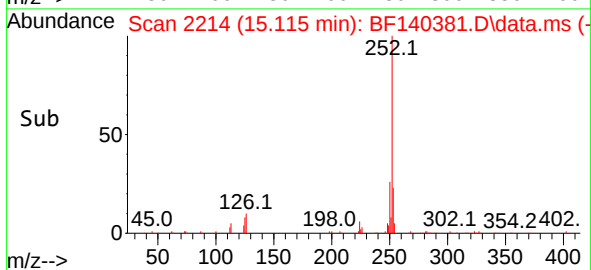
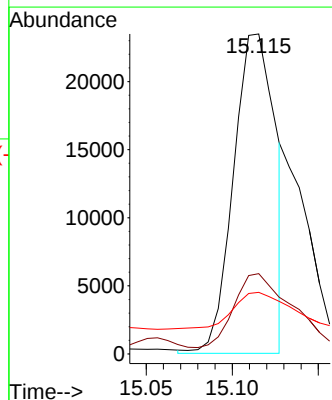
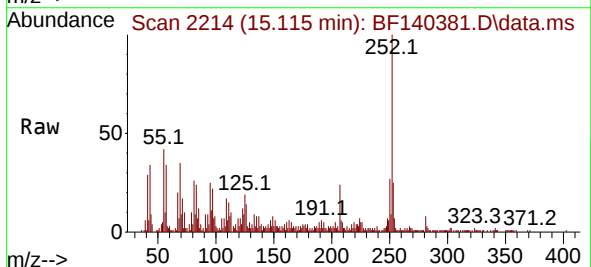
APPROVED

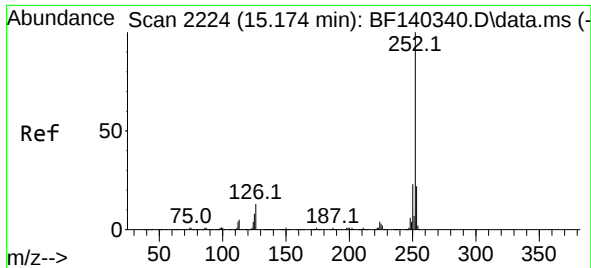
Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024



#88
 Benzo(b)fluoranthene
 Concen: 4.080 ng m
 RT: 15.115 min Scan# 2214
 Delta R.T. -0.000 min
 Lab File: BF140381.D
 Acq: 14 Nov 2024 23:39

Tgt Ion:252 Resp: 39798
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.5 26.3
 125 19.3 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.002 ng m

RT: 15.127 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140381.D

Acq: 14 Nov 2024 23:39

Instrument :

BNA_F

ClientSampleId :

RB24008RE

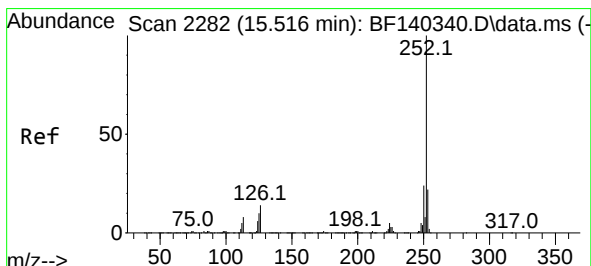
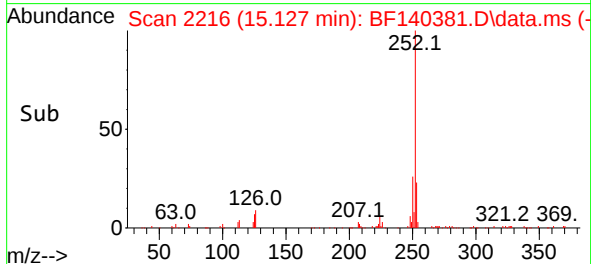
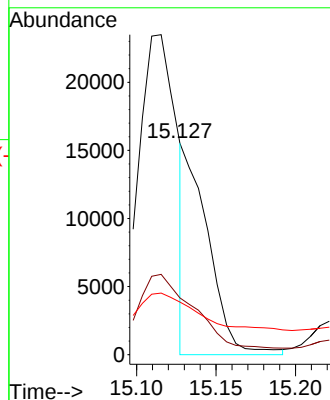
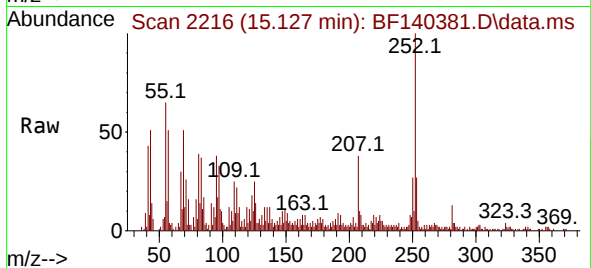
Tgt Ion:252 Resp: 15950
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.3 25.9
 125 24.9 7.4 11.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#90

Benzo(a)pyrene

Concen: 2.954 ng

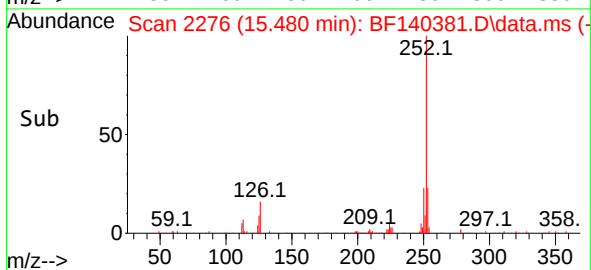
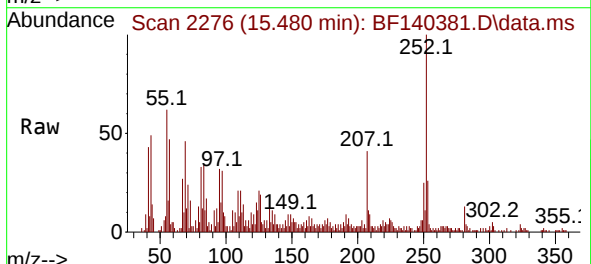
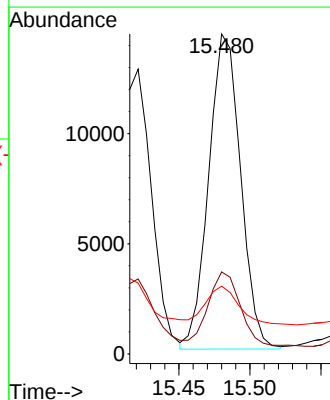
RT: 15.480 min Scan# 2276

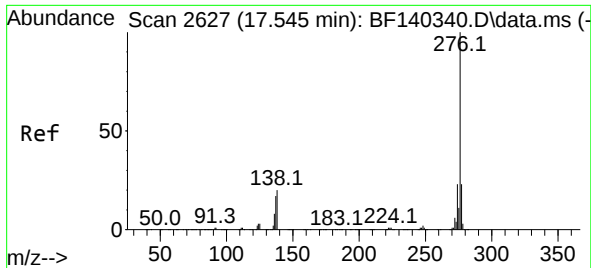
Delta R.T. -0.012 min

Lab File: BF140381.D

Acq: 14 Nov 2024 23:39

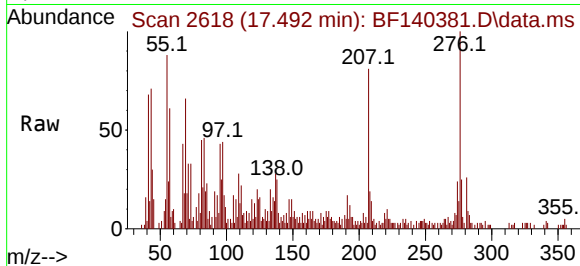
Tgt Ion:252 Resp: 22375
 Ion Ratio Lower Upper
 252 100
 253 25.6 17.8 26.6
 125 21.2 8.4 12.6





#92
Benzo(g,h,i)perylene
Concen: 2.171 ng
RT: 17.492 min Scan# 20
Delta R.T. -0.024 min
Lab File: BF140381.D
Acq: 14 Nov 2024 23:39

Instrument :
BNA_F
ClientSampleId :
RB24008RE



Tgt Ion: 276 Resp: 1689
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 25.3 16.0 24.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

