

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136767.D
 Acq On : 27 Dec 2023 19:58
 Operator : CG\JU
 Sample : 05791-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 597-P-2RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 22:46:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	79319	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	301841	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	155630	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	269362	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	149241	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	176638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	418996	82.421	ng	0.02
7) Phenol-d6	6.457	99	524175	79.575	ng	0.02
23) Nitrobenzene-d5	7.345	82	318493	53.994	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	138375	75.496	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	648515	56.046	ng	-0.01
79) Terphenyl-d14	12.904	244	540660	50.626	ng	-0.01
Target Compounds						
75) Fluoranthene	12.527	202	32547	2.202	ng	98
88) Benzo(b)fluoranthene	15.010	252	24301m	2.060	ng	

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

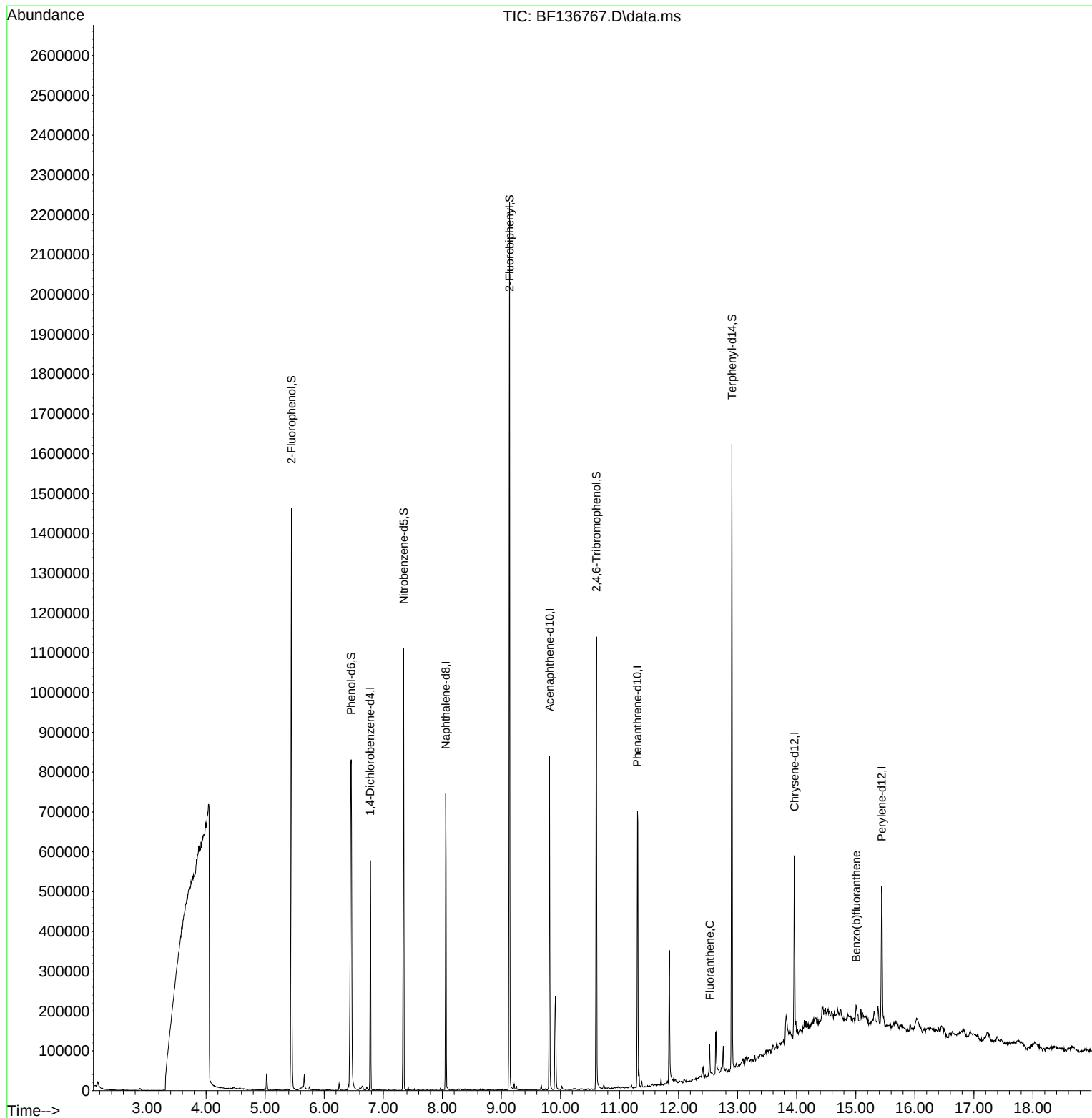
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
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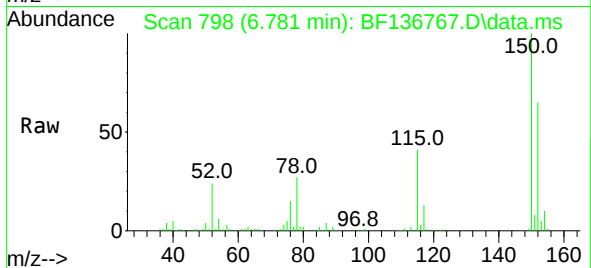
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

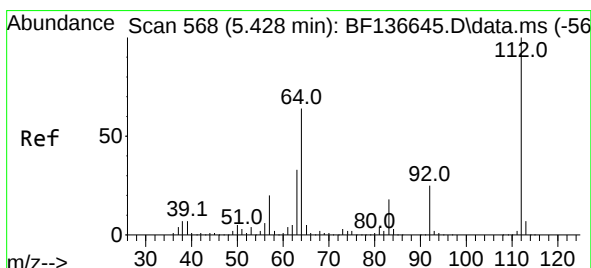
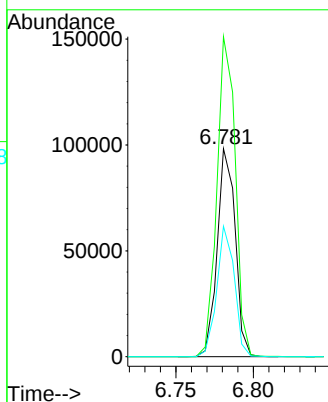
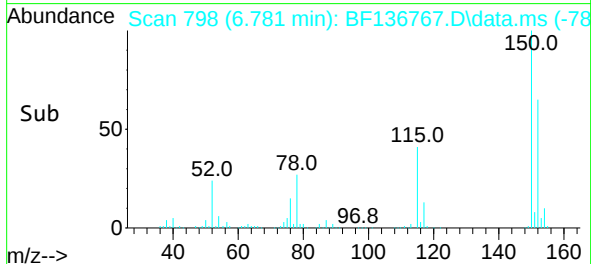
Instrument :
BNA_F
ClientSampleId :
597-P-2RE



Tgt Ion:152 Resp: 79319
Ion Ratio Lower Upper
152 100
150 153.8 127.0 190.6
115 62.6 49.0 73.4

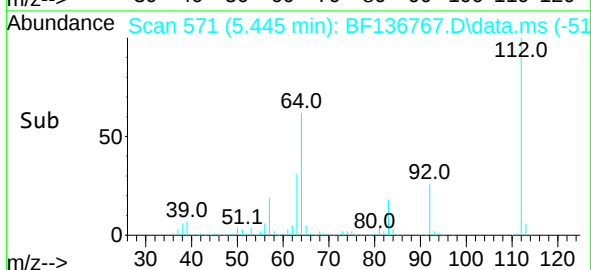
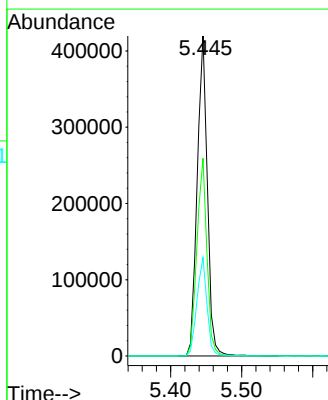
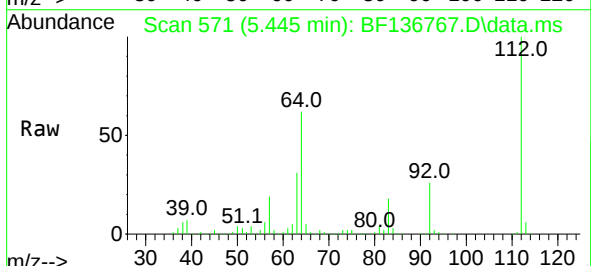
Manual Integrations
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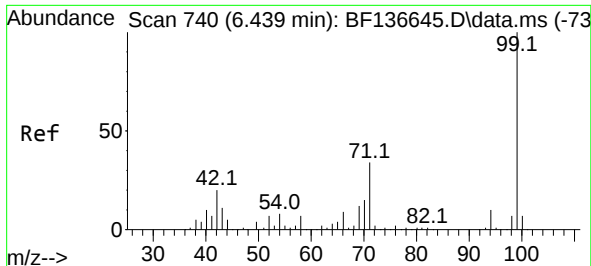
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#5
2-Fluorophenol
Concen: 82.421 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.018 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

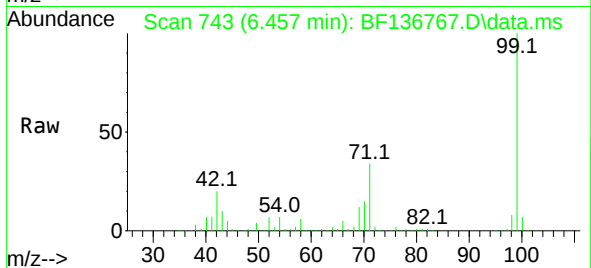
Tgt Ion:112 Resp: 418996
Ion Ratio Lower Upper
112 100
64 61.8 51.1 76.7
63 30.8 26.1 39.1





#7
Phenol-d6
Concen: 79.575 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.018 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

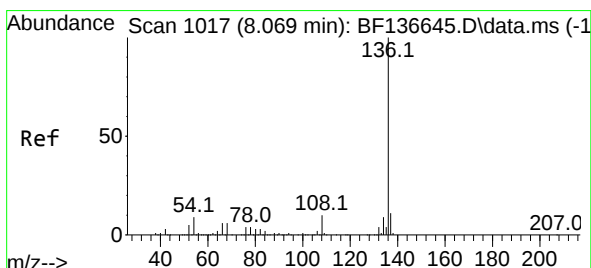
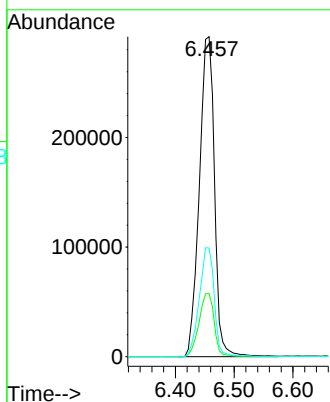
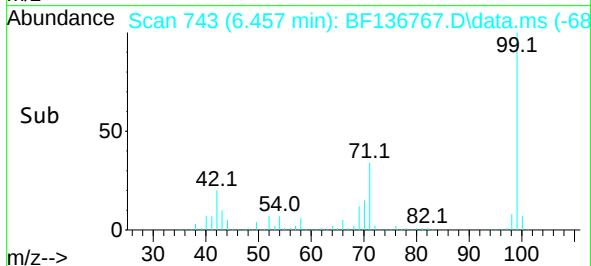
Instrument :
BNA_F
ClientSampleId :
597-P-2RE



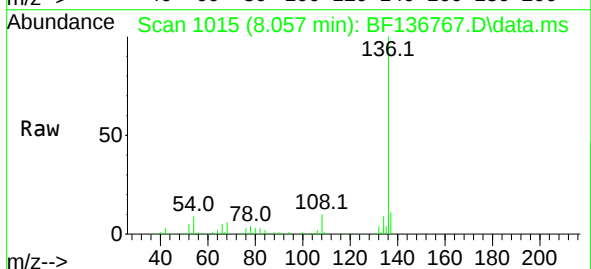
Tgt Ion: 99 Resp: 52417
Ion Ratio Lower Upper
99 100
42 19.7 16.1 24.1
71 34.0 27.4 41.2

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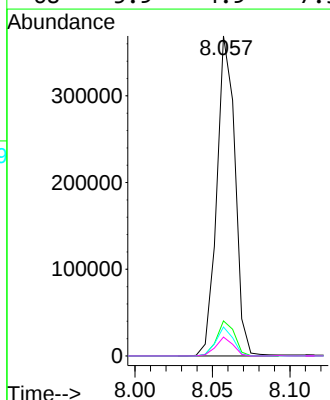
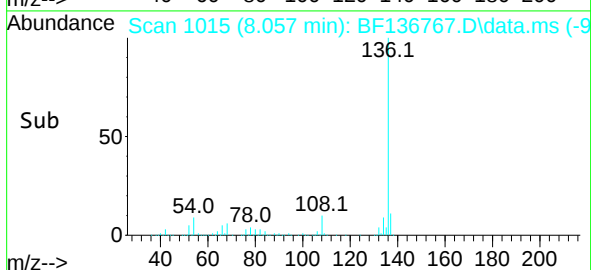
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

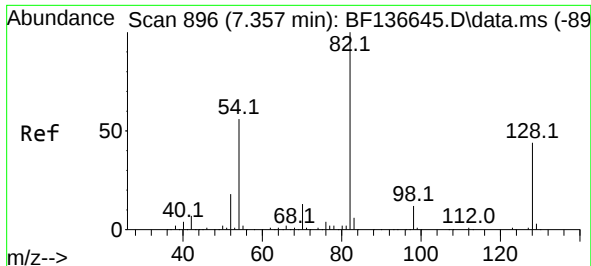


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58



Tgt Ion:136 Resp: 301841
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.1 7.2 10.8
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 53.994 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

597-P-2RE

Tgt Ion: 82 Resp: 31849

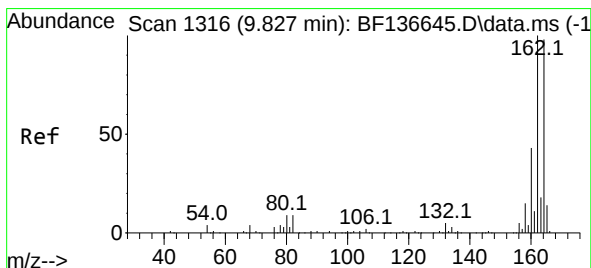
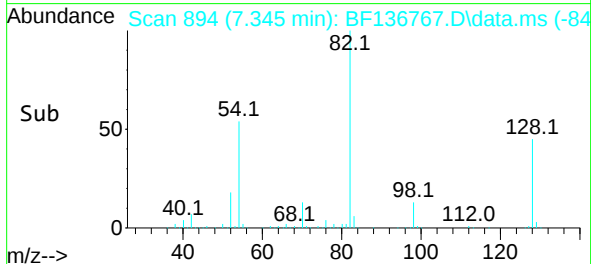
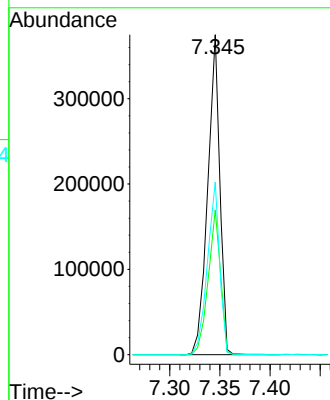
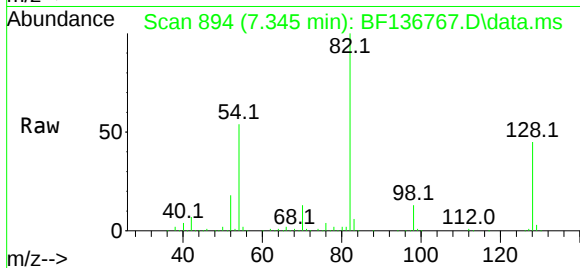
Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.3	52.9
54	54.0	44.5	66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

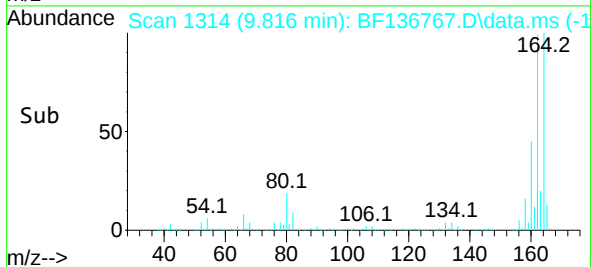
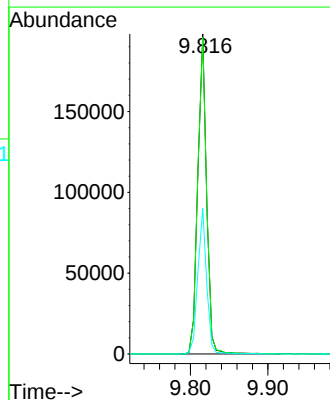
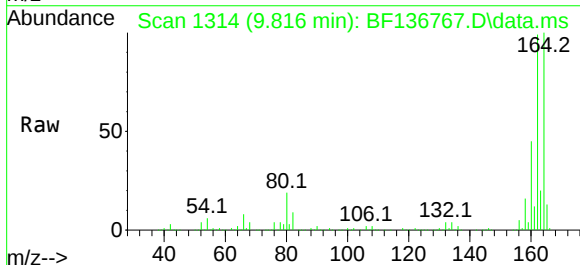
Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Tgt Ion:164 Resp: 155630

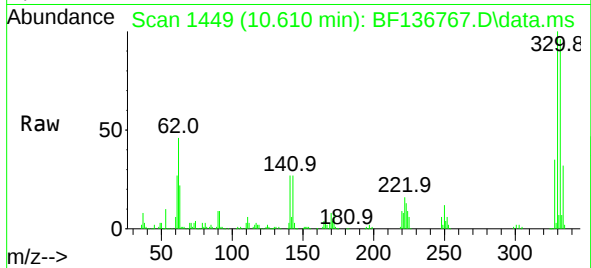
Ion	Ratio	Lower	Upper
164	100		
162	98.9	81.6	122.4
160	45.5	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 75.496 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

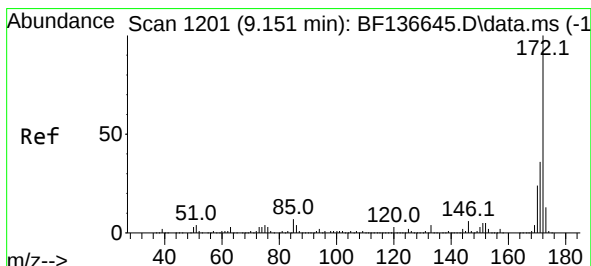
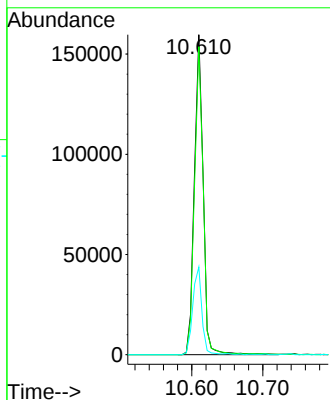
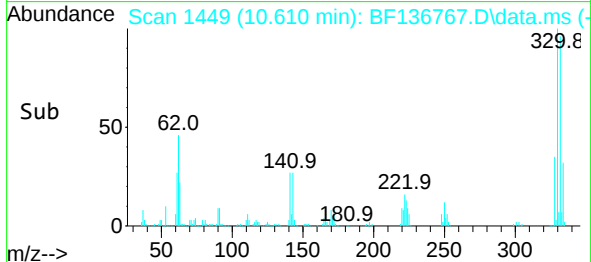
Instrument :
BNA_F
ClientSampleId :
597-P-2RE



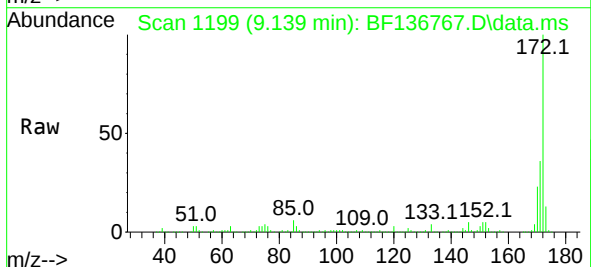
Tgt Ion: 330 Resp: 138375
Ion Ratio Lower Upper
330 100
332 94.9 77.4 116.0
141 28.5 23.4 35.2

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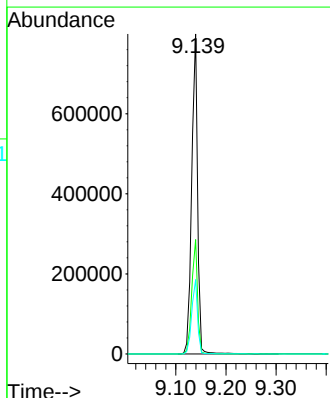
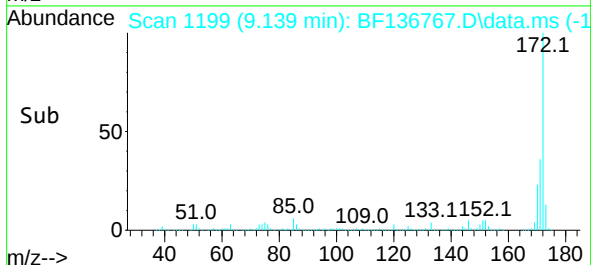
Reviewed By : Yogesh Patel 12/28/2023
Supervised By : mohammad ahmed 12/28/2023



#45
2-Fluorobiphenyl
Concen: 56.046 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58



Tgt Ion: 172 Resp: 648515
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 23.2 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

597-P-2RE

Tgt Ion:188 Resp: 26936

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

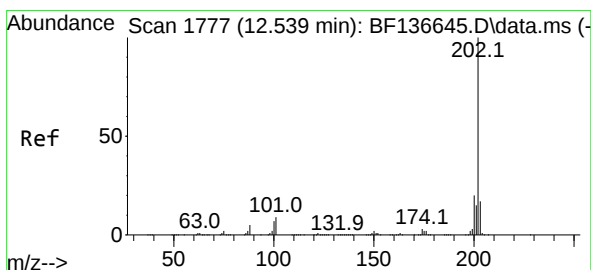
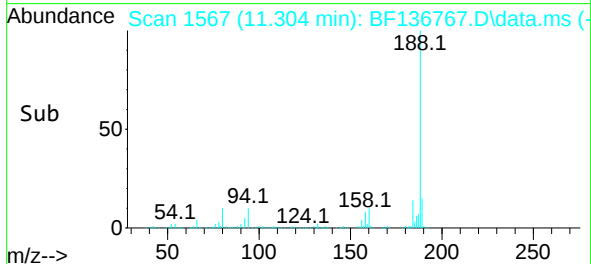
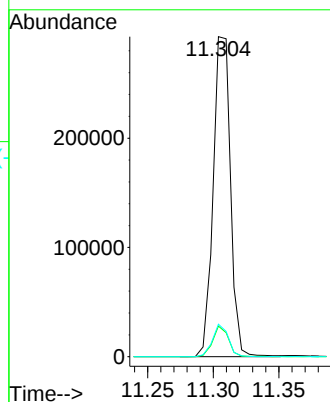
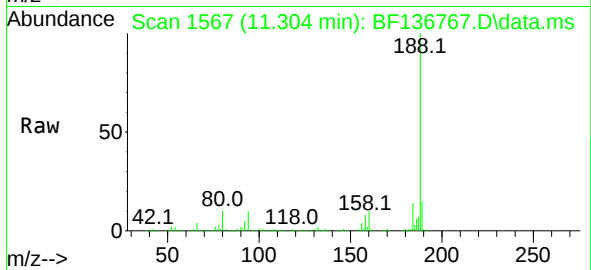
80 10.2 8.1 12.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#75

Fluoranthene

Concen: 2.202 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

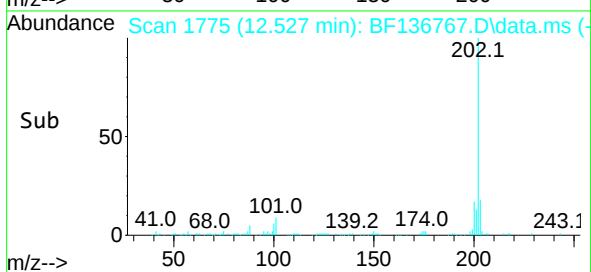
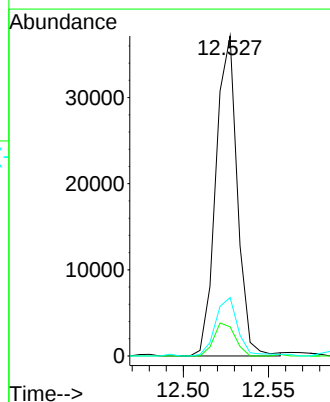
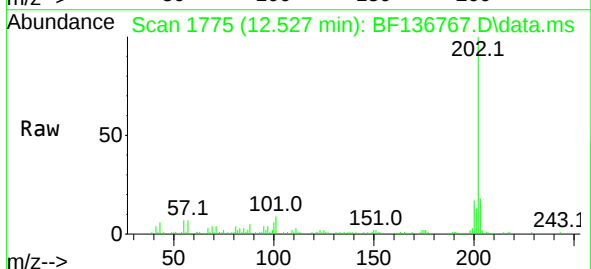
Tgt Ion:202 Resp: 32547

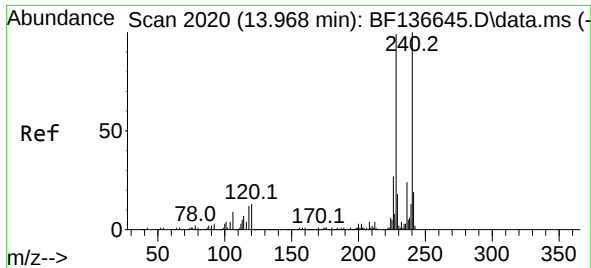
Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.3

203 18.3 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

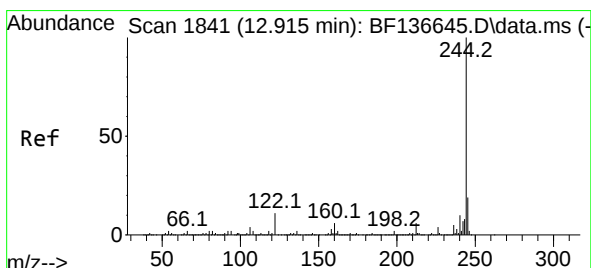
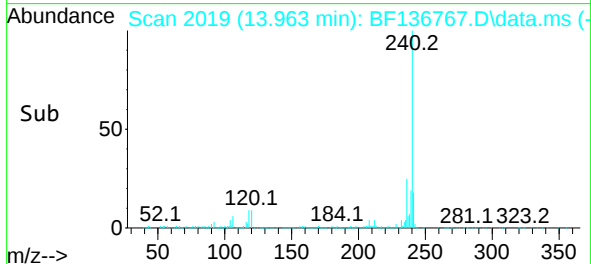
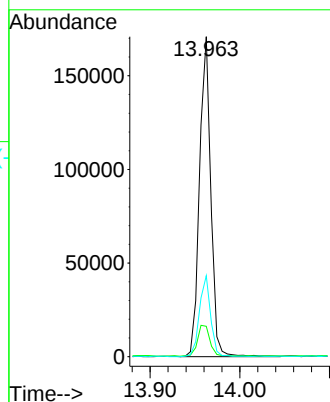
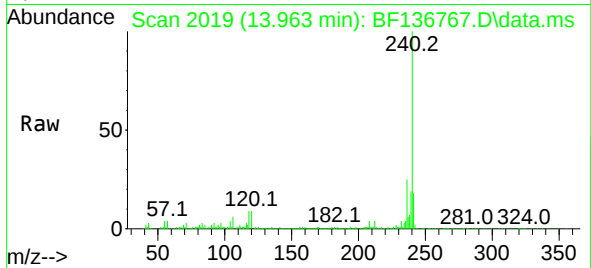
597-P-2RE

Tgt Ion:240 Resp: 14924
Ion Ratio Lower Upper
240 100
120 9.5 10.3 15.5
236 25.3 19.4 29.2

Manual Integrations

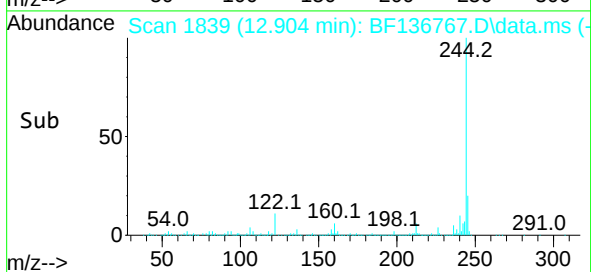
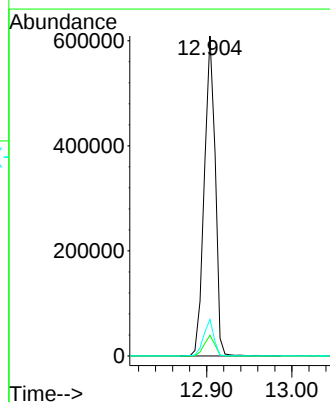
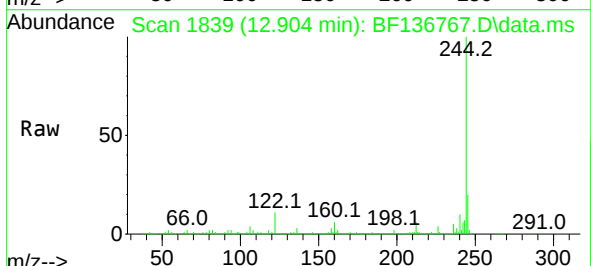
APPROVED

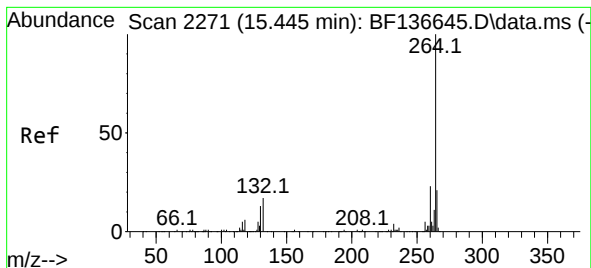
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#79
Terphenyl-d14
Concen: 50.626 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136767.D
Acq: 27 Dec 2023 19:58

Tgt Ion:244 Resp: 540660
Ion Ratio Lower Upper
244 100
212 6.5 5.0 7.4
122 11.4 9.0 13.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Instrument :

BNA_F

ClientSampleId :

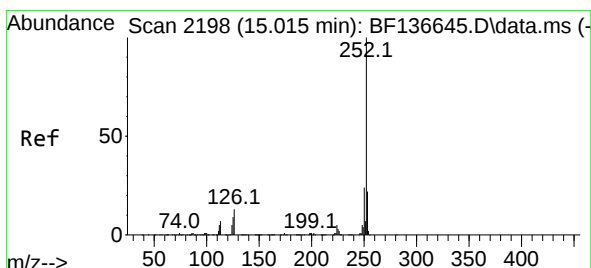
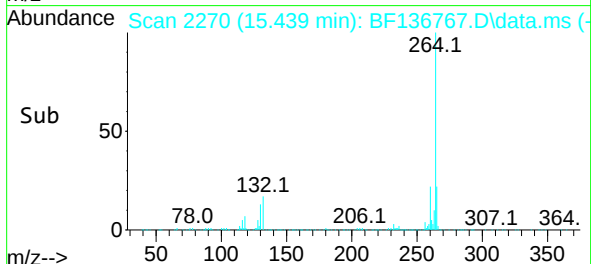
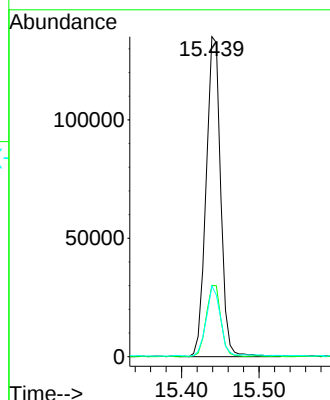
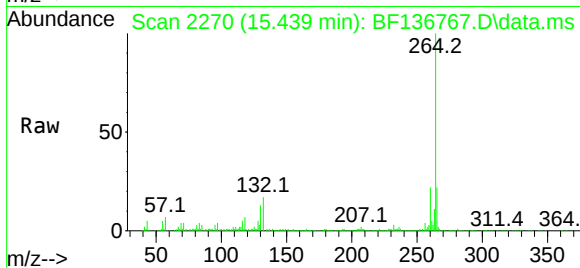
597-P-2RE

Tgt Ion:264 Resp: 176638
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.3 27.5
 265 22.1 17.0 25.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023



#88

Benzo(b)fluoranthene

Concen: 2.060 ng m

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136767.D

Acq: 27 Dec 2023 19:58

Tgt Ion:252 Resp: 24301
 Ion Ratio Lower Upper
 252 100
 253 27.9 17.4 26.0#
 125 23.4 7.4 11.2#

