

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
 Data File : BF141225.D
 Acq On : 20 Jan 2025 16:24
 Operator : RC/JU
 Sample : Q1133-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-1172025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

Quant Time: Jan 20 17:25:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	151384	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	551408	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	249752	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	353730	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	309488	20.000	ng	-0.02
86) Perylene-d12	15.439	264	252186	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	150862	15.395	ng	-0.01
7) Phenol-d6	6.434	99	205135	16.526	ng	-0.01
23) Nitrobenzene-d5	7.369	82	124159	11.936	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	17418	6.121	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	240414	14.699	ng	-0.02
79) Terphenyl-d14	12.916	244	210011	10.086	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	12.539	202	86682	4.574	ng	99
78) Pyrene	12.769	202	102150	3.456	ng	97
81) Benzo(a)anthracene	13.963	228	48451	2.300	ng	# 80
83) Chrysene	13.992	228	50732	2.574	ng	# 90
88) Benzo(b)fluoranthene	15.015	252	61854m	3.804	ng	
90) Benzo(a)pyrene	15.374	252	46873	3.494	ng	# 87
92) Benzo(g,h,i)perylene	17.315	276	33030	2.125	ng	# 89

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

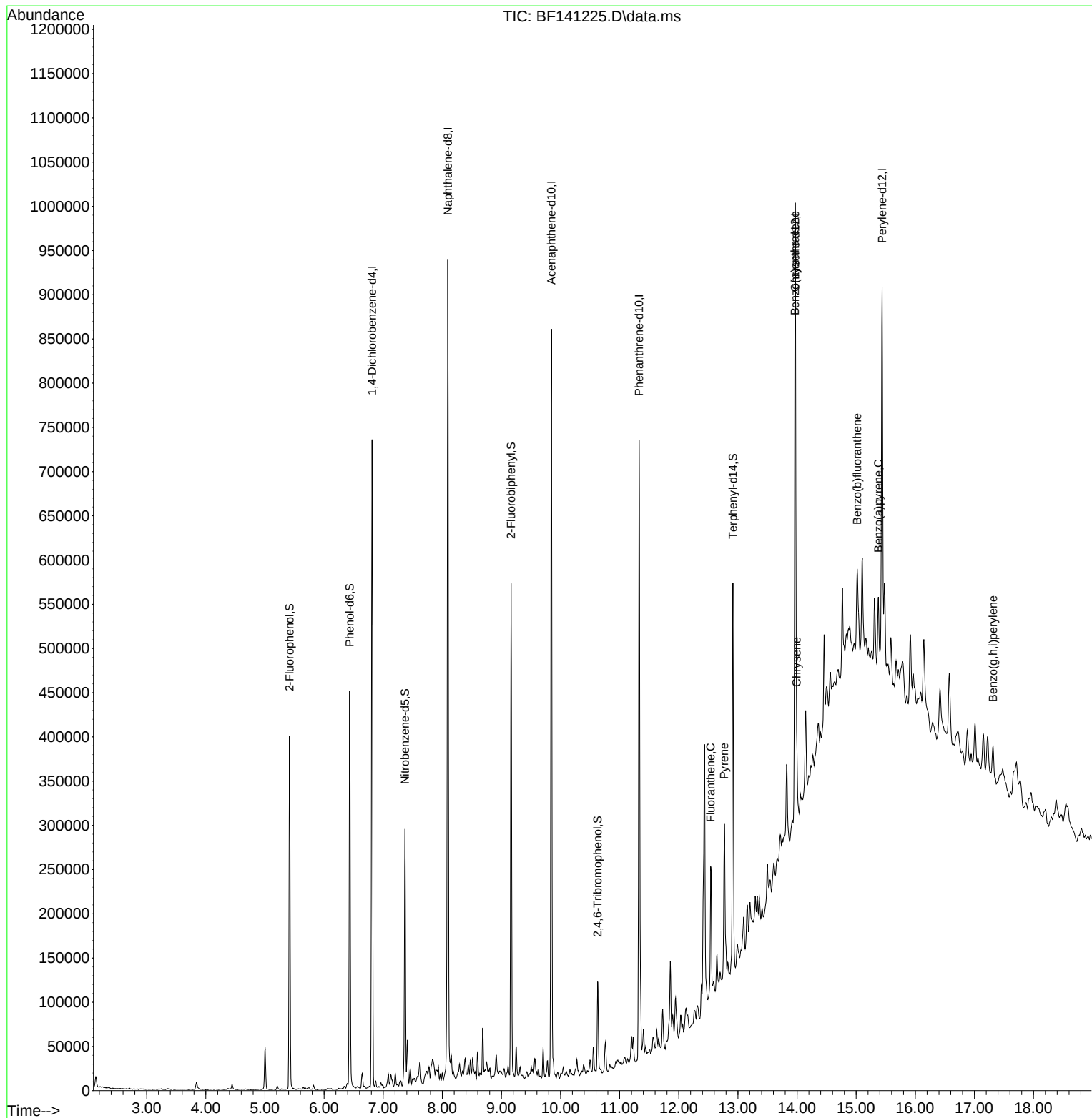
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141225.D
Acq On : 20 Jan 2025 16:24
Operator : RC/JU
Sample : Q1133-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-1172025

Quant Time: Jan 20 17:25:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

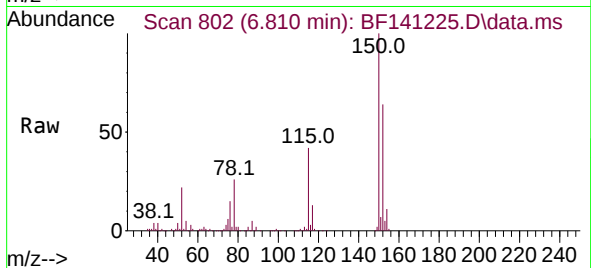
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

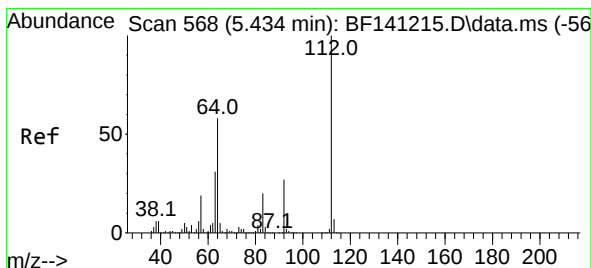
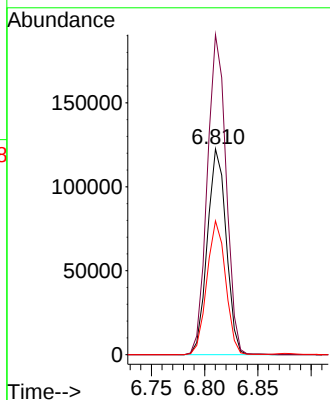
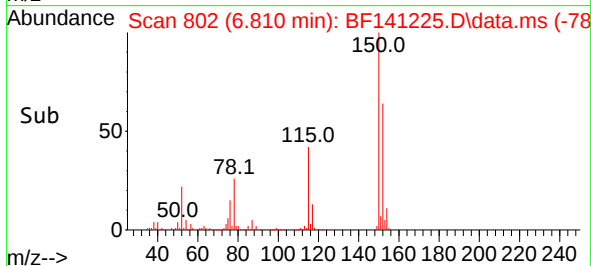
Instrument :
BNA_F
ClientSampleId :
TR-04-1172025



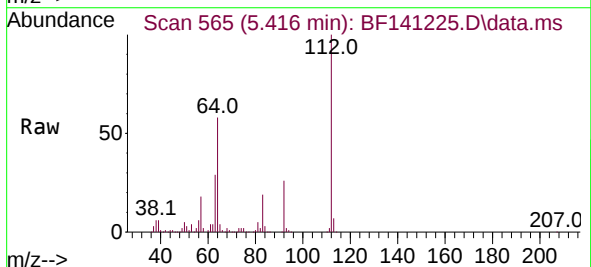
Tgt Ion:152 Resp: 151384
Ion Ratio Lower Upper
152 100
150 155.5 125.8 188.8
115 65.0 51.4 77.2

Manual Integrations
APPROVED

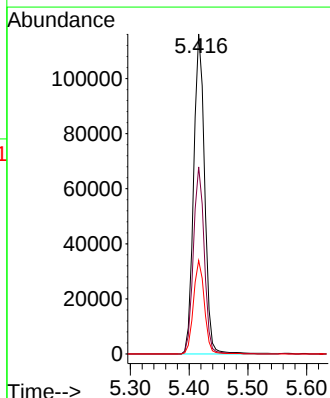
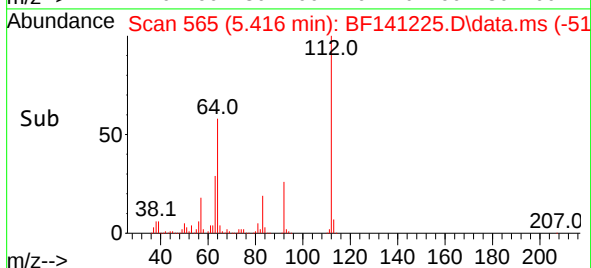
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

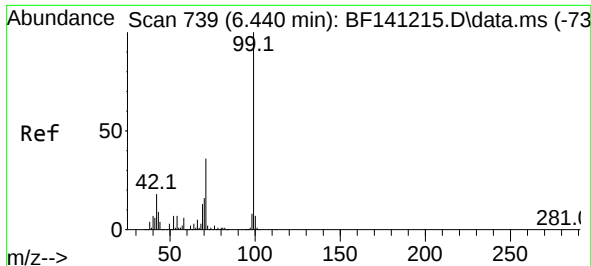


#5
2-Fluorophenol
Concen: 15.395 ng
RT: 5.416 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24



Tgt Ion:112 Resp: 150862
Ion Ratio Lower Upper
112 100
64 58.5 47.3 70.9
63 29.2 24.2 36.2





#7

Phenol-d6

Concen: 16.526 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141225.D

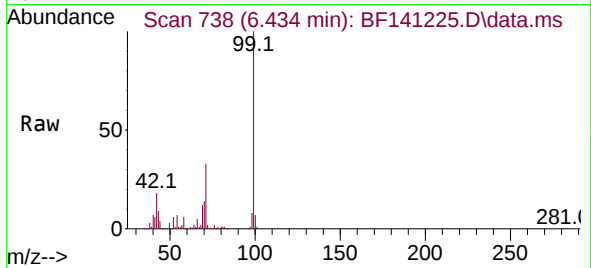
Acq: 20 Jan 2025 16:24

Instrument :

BNA_F

ClientSampleId :

TR-04-1172025



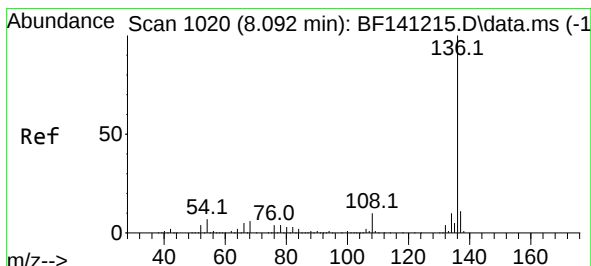
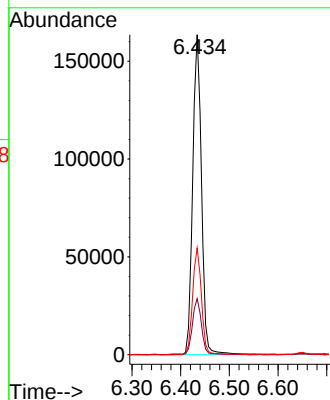
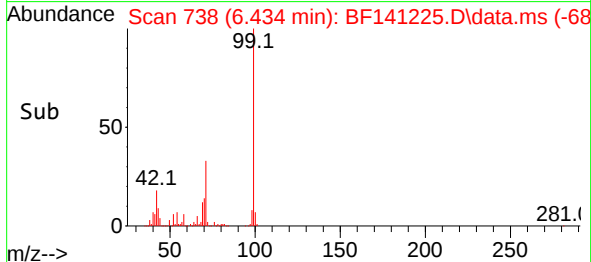
Tgt Ion:	99	Ratio	100	Lower	Upper
99	100				
42	17.5		15.0	22.4	
71	33.4		27.6	41.4	

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#21

Naphthalene-d8

Concen: 20.000 ng

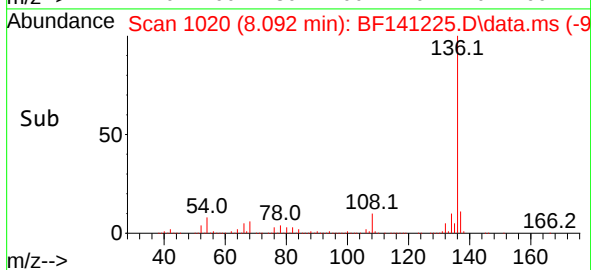
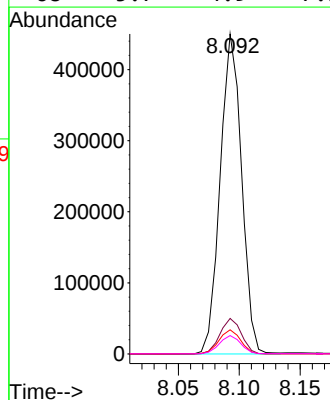
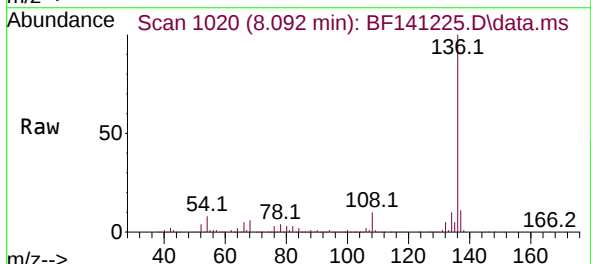
RT: 8.092 min Scan# 1020

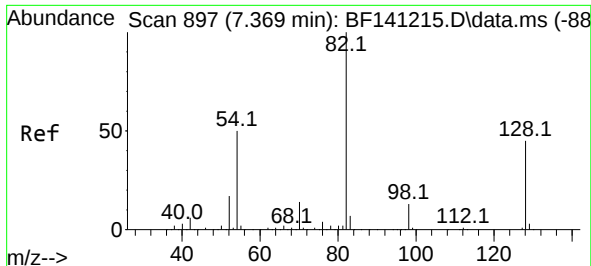
Delta R.T. -0.012 min

Lab File: BF141225.D

Acq: 20 Jan 2025 16:24

Tgt Ion:	136	Ratio	100	Lower	Upper
136	100				
137	11.1		8.8	13.2	
54	7.6		6.3	9.5	
68	5.7		4.9	7.3	





#23

Nitrobenzene-d5

Concen: 11.936 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141225.D

Acq: 20 Jan 2025 16:24

Instrument :

BNA_F

ClientSampleId :

TR-04-1172025

Tgt Ion: 82 Resp: 12415

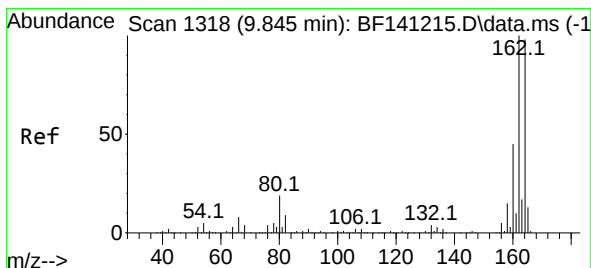
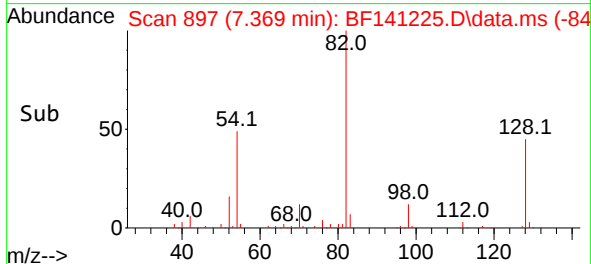
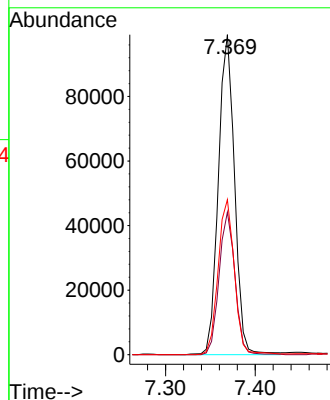
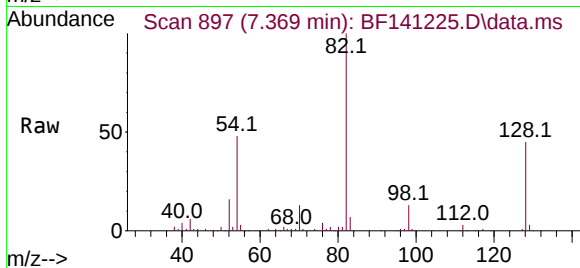
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	48.5	41.0	61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1318

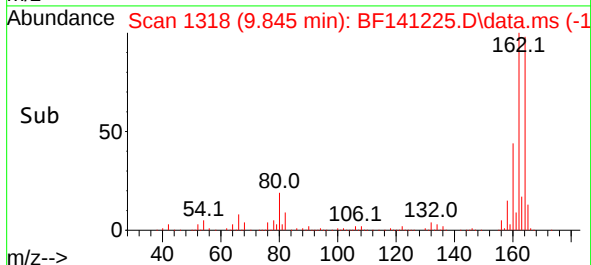
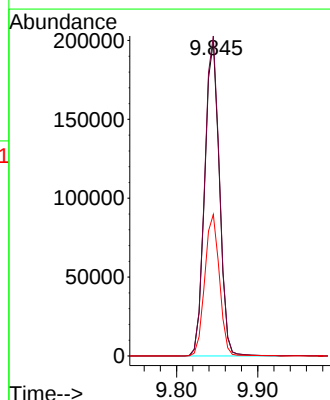
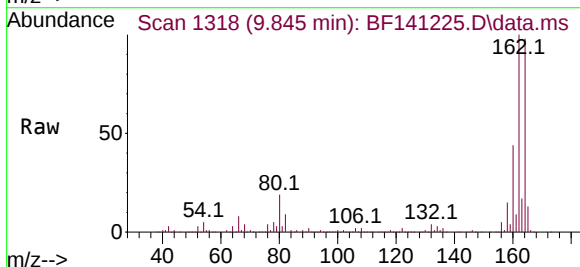
Delta R.T. -0.018 min

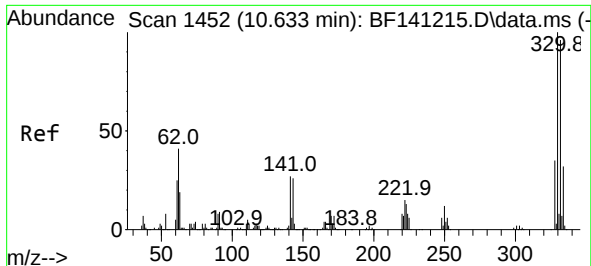
Lab File: BF141225.D

Acq: 20 Jan 2025 16:24

Tgt Ion:164 Resp: 249752

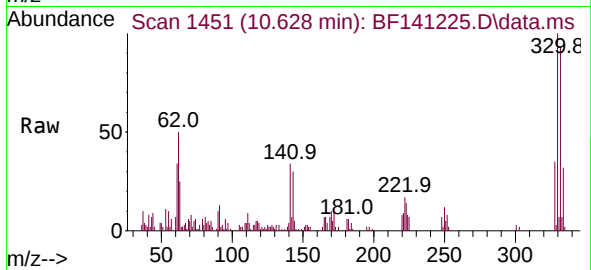
Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.0	121.4
160	45.0	36.1	54.1





#42
2,4,6-Tribromophenol
Concen: 6.121 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.024 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

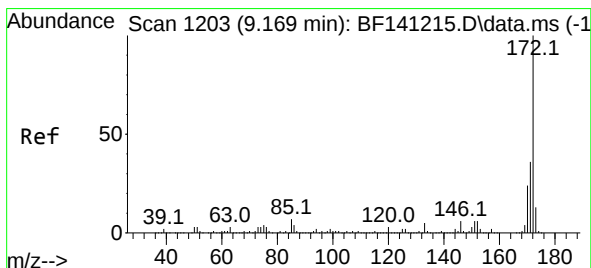
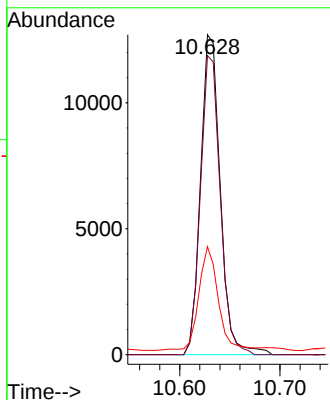
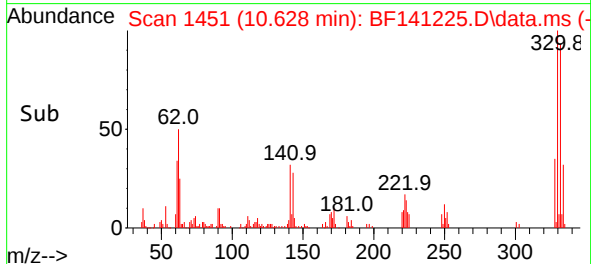
Instrument :
BNA_F
ClientSampleId :
TR-04-1172025



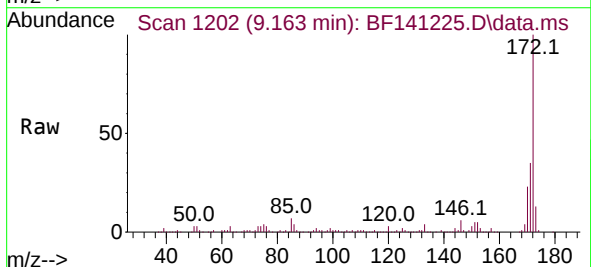
Tgt Ion: 330 Resp: 17418
Ion Ratio Lower Upper
330 100
332 93.3 76.9 115.3
141 31.8 25.2 37.8

Manual Integrations
APPROVED

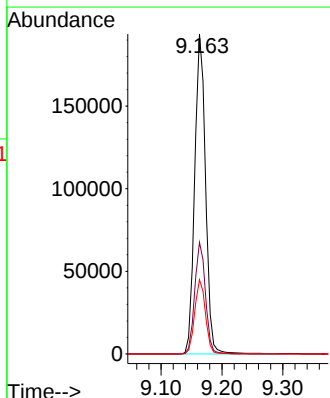
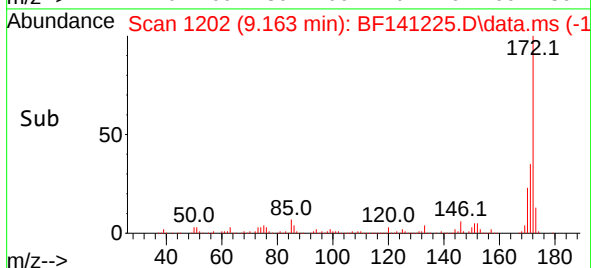
Reviewed By : Yogesh Patel 01/21/2025
Supervised By : mohammad ahmed 01/21/2025

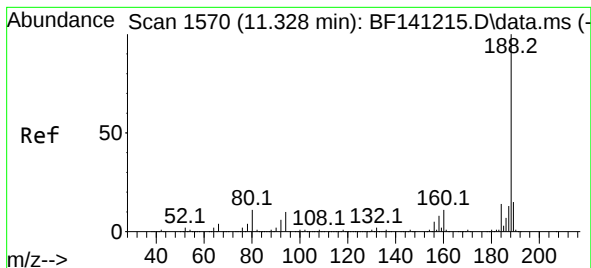


#45
2-Fluorobiphenyl
Concen: 14.699 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24



Tgt Ion: 172 Resp: 240414
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 23.2 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141225.D

Acq: 20 Jan 2025 16:24

Instrument :

BNA_F

ClientSampleId :

TR-04-1172025

Tgt Ion:188 Resp: 353730

Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

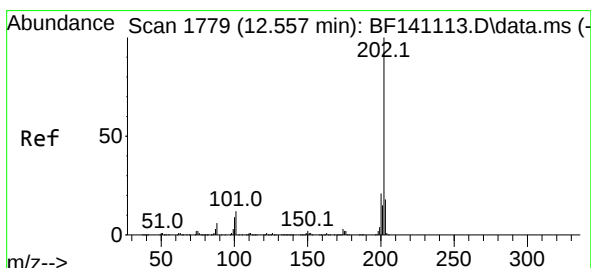
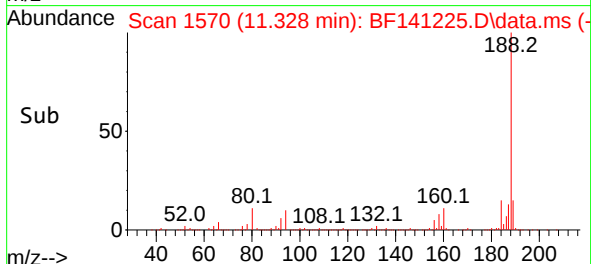
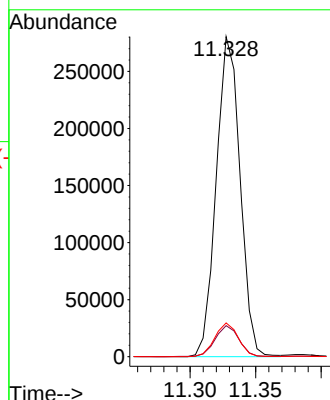
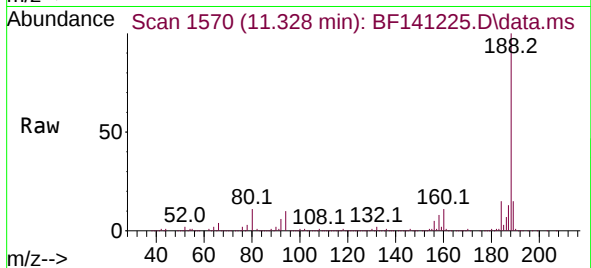
80 10.6 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#75

Fluoranthene

Concen: 4.574 ng

RT: 12.539 min Scan# 1776

Delta R.T. -0.018 min

Lab File: BF141225.D

Acq: 20 Jan 2025 16:24

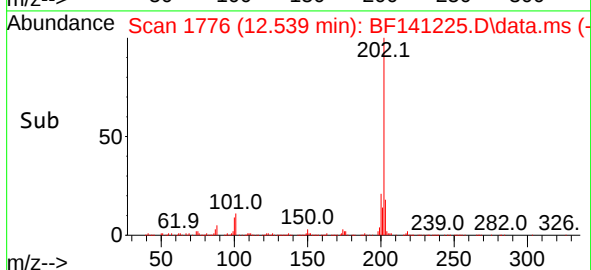
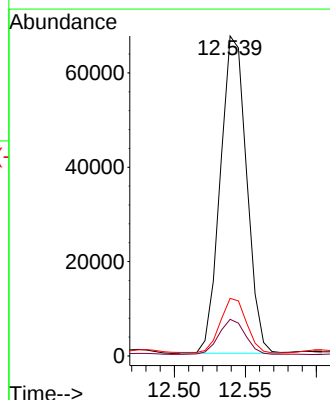
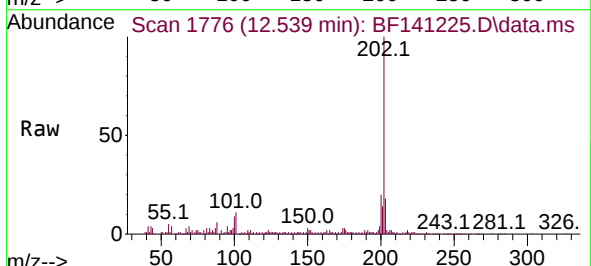
Tgt Ion:202 Resp: 86682

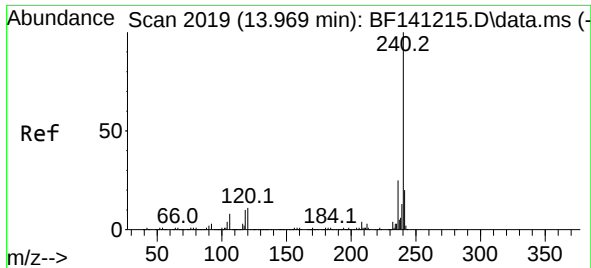
Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.3

203 18.0 0.0 37.7





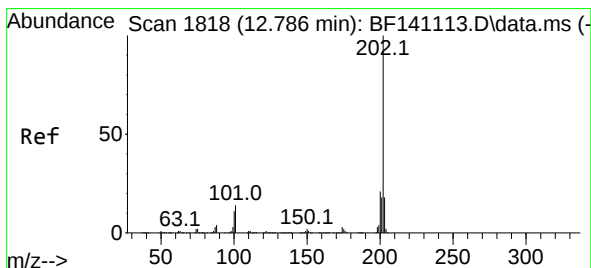
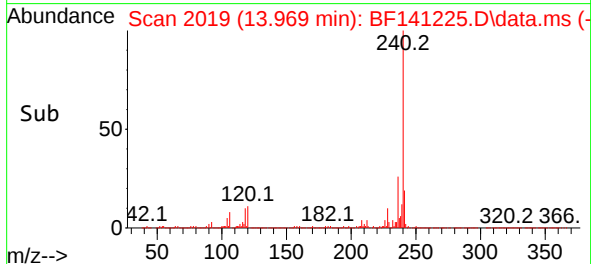
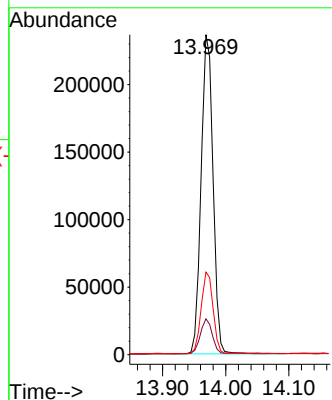
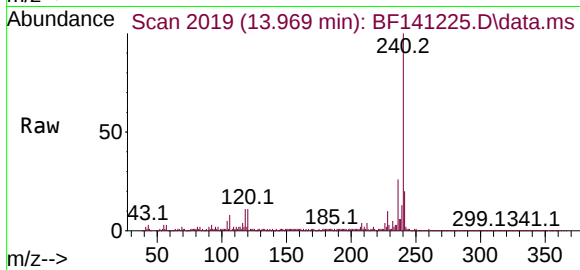
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

Instrument :
BNA_F
ClientSampleId :
TR-04-1172025

Tgt Ion:240 Resp: 30948
Ion Ratio Lower Upper
240 100
120 11.2 9.1 13.7
236 25.8 19.8 29.6

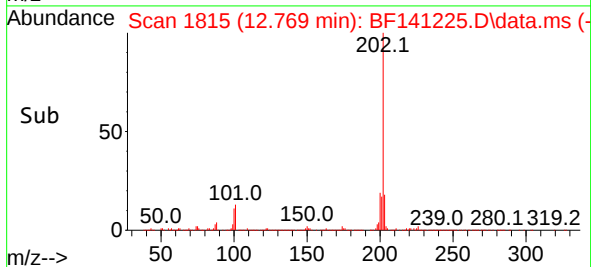
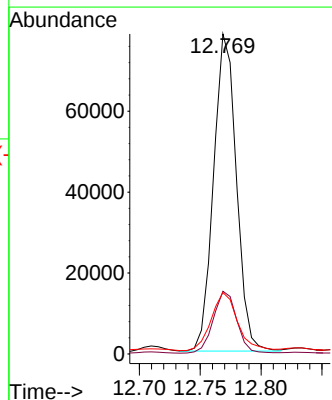
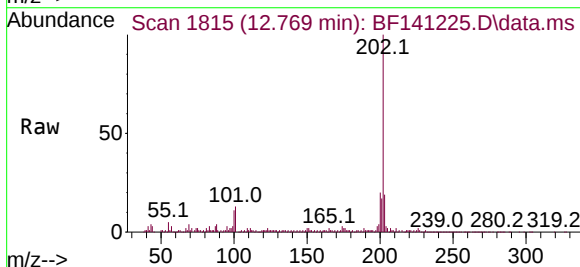
Manual Integrations
APPROVED

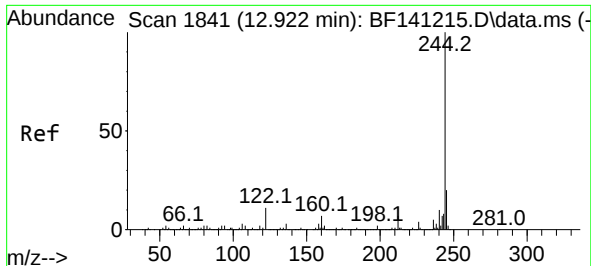
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#78
Pyrene
Concen: 3.456 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.018 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

Tgt Ion:202 Resp: 102150
Ion Ratio Lower Upper
202 100
200 19.6 16.8 25.2
203 19.2 14.3 21.5





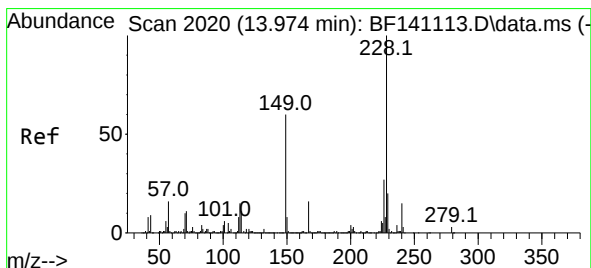
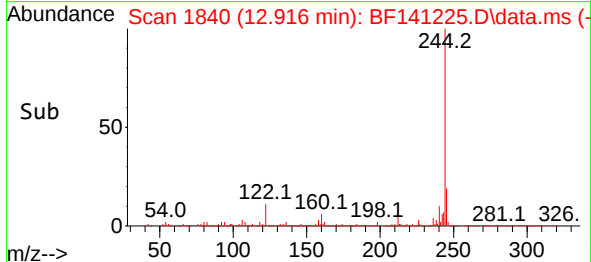
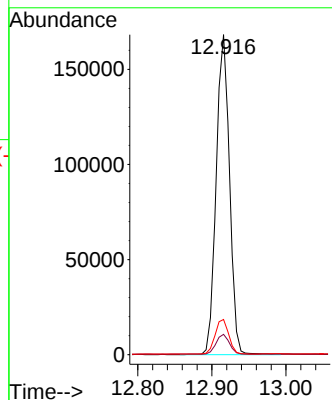
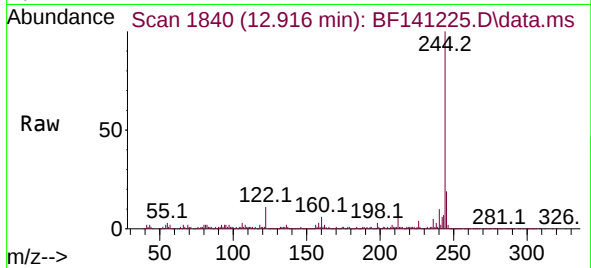
#79
 Terphenyl-d14
 Concen: 10.086 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.018 min
 Lab File: BF141225.D
 Acq: 20 Jan 2025 16:24

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-1172025

Tgt Ion:244 Resp: 21001
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 11.0 8.8 13.2

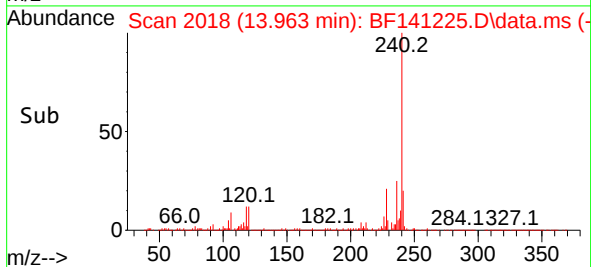
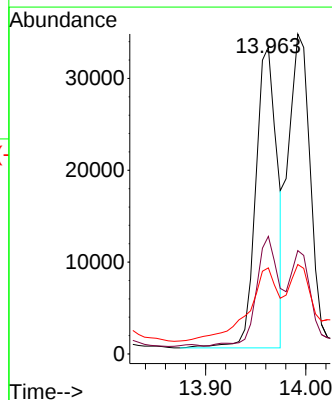
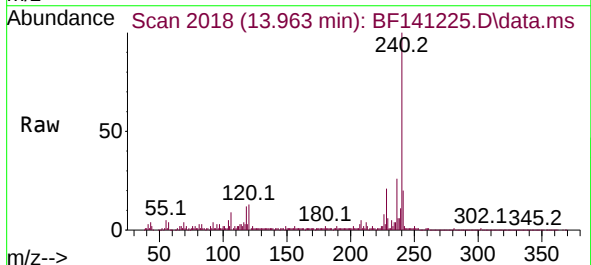
Manual Integrations
 APPROVED

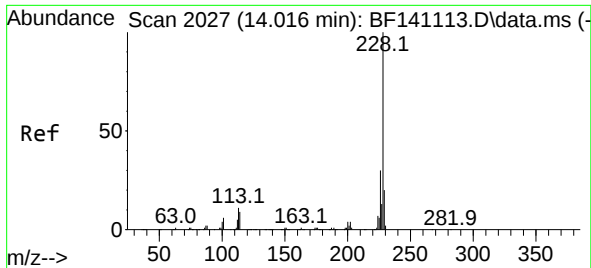
Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025



#81
 Benzo(a)anthracene
 Concen: 2.300 ng
 RT: 13.963 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF141225.D
 Acq: 20 Jan 2025 16:24

Tgt Ion:228 Resp: 48451
 Ion Ratio Lower Upper
 228 100
 226 38.3 21.7 32.5#
 229 28.0 15.7 23.5#





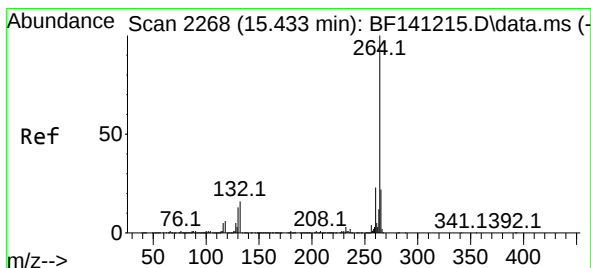
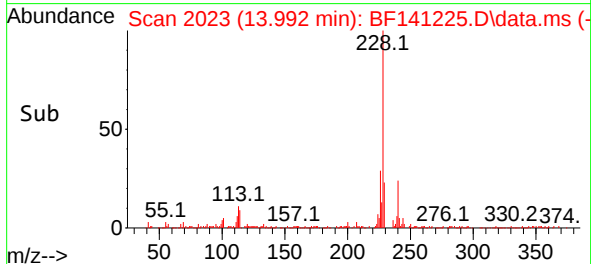
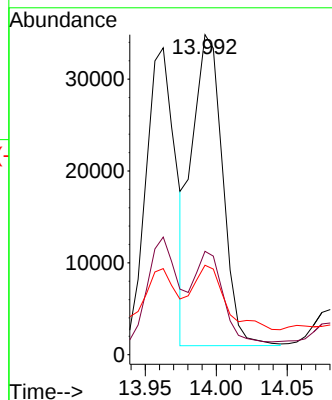
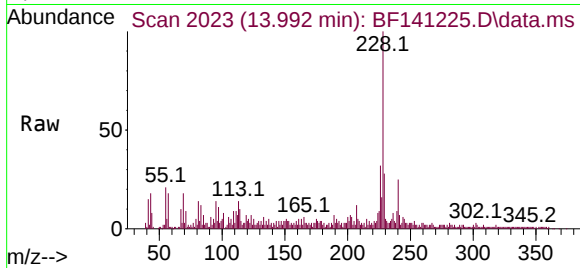
#83
Chrysene
Concen: 2.574 ng
RT: 13.992 min Scan# 2027
Delta R.T. -0.024 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

Instrument :
BNA_F
ClientSampleId :
TR-04-1172025

Tgt Ion:228 Resp: 50732
Ion Ratio Lower Upper
228 100
226 32.3 23.8 35.8
229 28.0 15.8 23.8

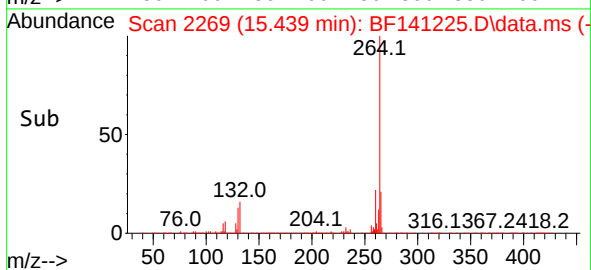
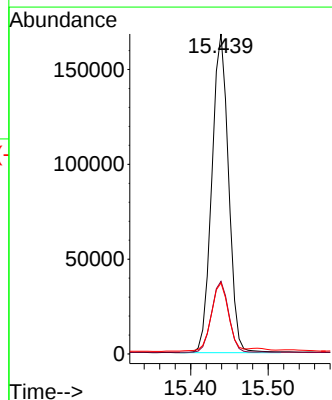
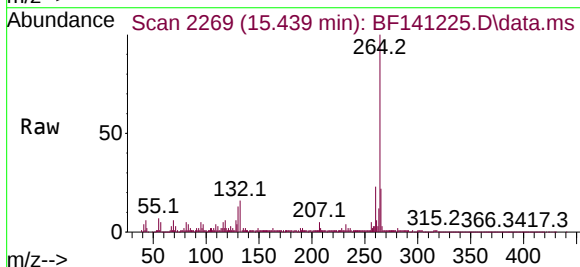
Manual Integrations
APPROVED

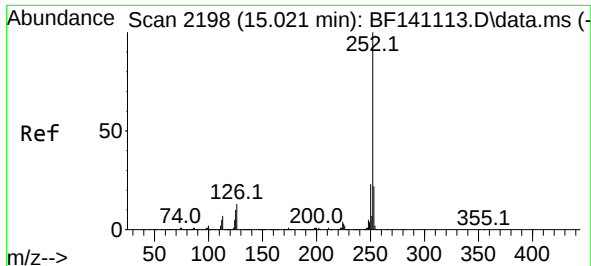
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

Tgt Ion:264 Resp: 252186
Ion Ratio Lower Upper
264 100
260 22.7 18.6 28.0
265 22.2 17.4 26.0





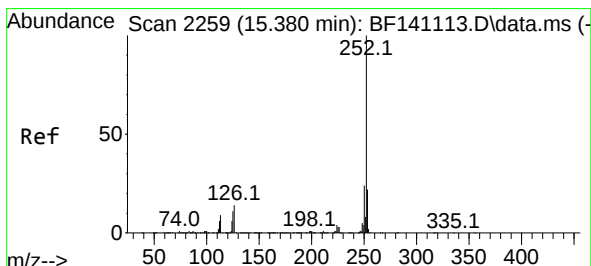
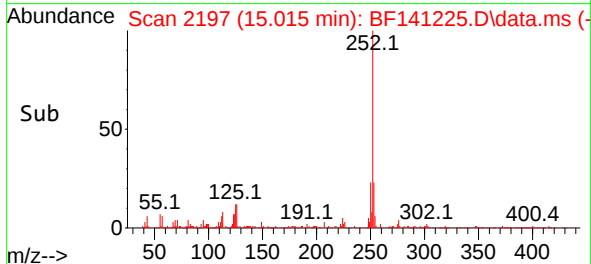
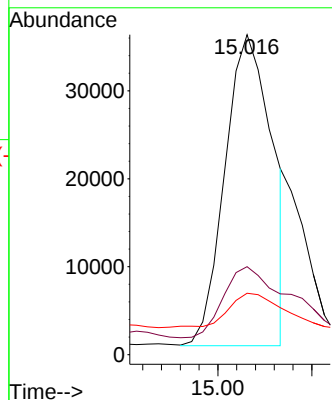
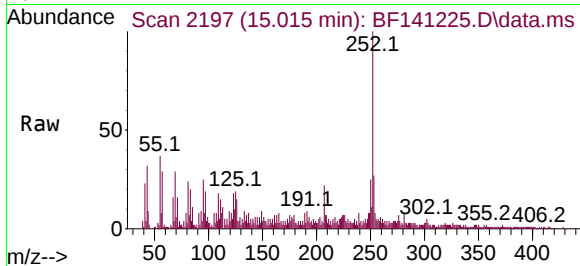
#88
Benzo(b)fluoranthene
Concen: 3.804 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

Instrument :
BNA_F
ClientSampleId :
TR-04-1172025

Tgt Ion:252 Resp: 61854
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.6
125 19.2 8.1 12.1

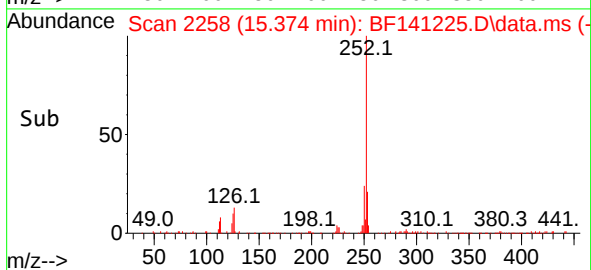
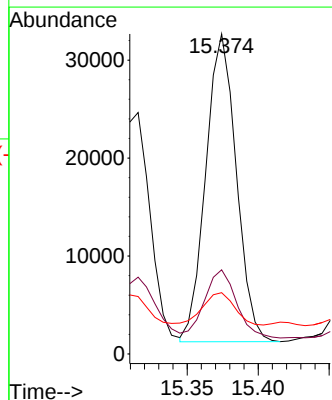
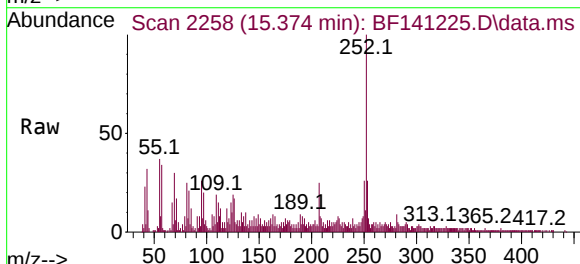
Manual Integrations
APPROVED

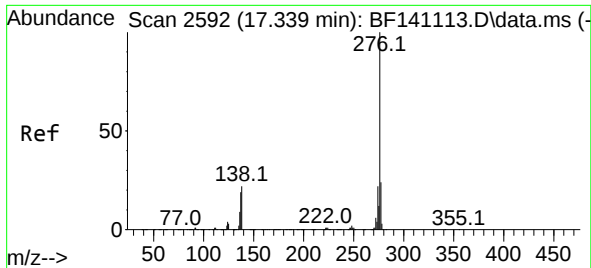
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#90
Benzo(a)pyrene
Concen: 3.494 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

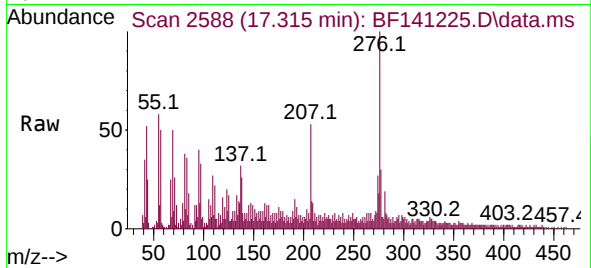
Tgt Ion:252 Resp: 46873
Ion Ratio Lower Upper
252 100
253 26.3 17.7 26.5
125 19.1 9.1 13.7





#92
Benzo(g,h,i)perylene
Concen: 2.125 ng
RT: 17.315 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141225.D
Acq: 20 Jan 2025 16:24

Instrument :
BNA_F
ClientSampleId :
TR-04-1172025



Tgt Ion: 276 Resp: 33030
Ion Ratio Lower Upper
276 100
277 30.3 19.0 28.4
138 25.6 17.4 26.2

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 01/21/2025
Supervised By : mohammad ahmed 01/21/2025

