

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141649.D
 Acq On : 14 Feb 2025 19:34
 Operator : RC/JU
 Sample : Q1365-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/15/2025
 Supervised By :Jagrut Upadhyay 02/19/2025

Quant Time: Feb 14 22:07:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90824	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	372956	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	197185	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	319145	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	184713	20.000	ng	-0.02
86) Perylene-d12	15.398	264	191116	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	506837	87.487	ng	0.00
7) Phenol-d6	6.428	99	625522	85.428	ng	-0.01
23) Nitrobenzene-d5	7.351	82	411563	57.557	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	158386	79.960	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	729543	57.001	ng	-0.01
79) Terphenyl-d14	12.892	244	601561	54.979	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	40729	2.318	ng	99
75) Fluoranthene	12.516	202	102533	5.505	ng	99
78) Pyrene	12.745	202	91092	5.793	ng	99
81) Benzo(a)anthracene	13.933	228	41898m	3.412	ng	
83) Chrysene	13.968	228	27936	2.464	ng	97
88) Benzo(b)fluoranthene	14.980	252	34669m	2.702	ng	
90) Benzo(a)pyrene	15.333	252	28848	2.778	ng	# 94

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

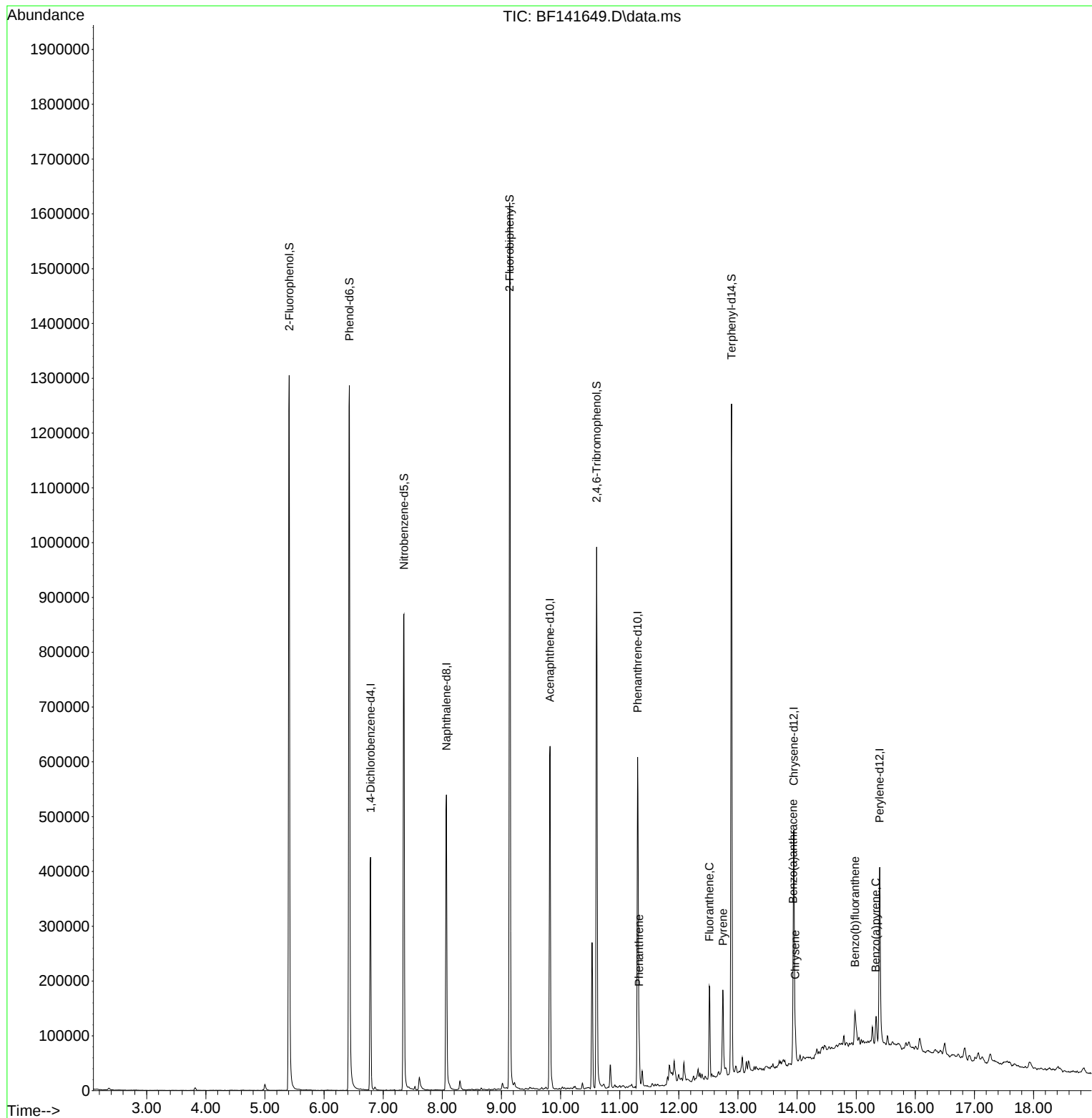
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
Data File : BF141649.D
Acq On : 14 Feb 2025 19:34
Operator : RC/JU
Sample : Q1365-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
348

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

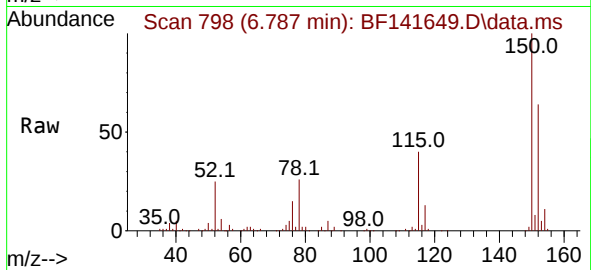
Quant Time: Feb 14 22:07:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

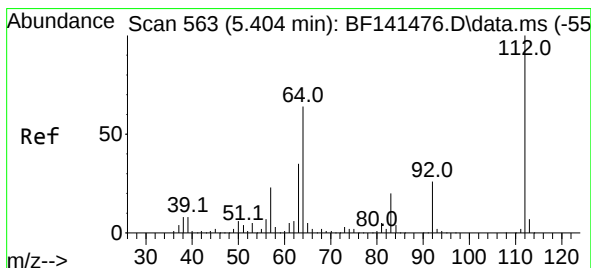
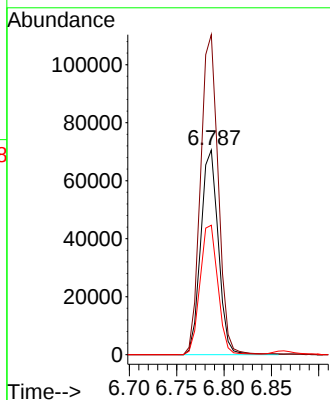
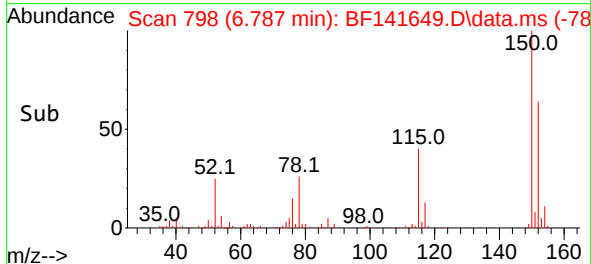
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:152 Resp: 90824
Ion Ratio Lower Upper
152 100
150 156.4 125.0 187.4
115 63.2 53.6 80.4

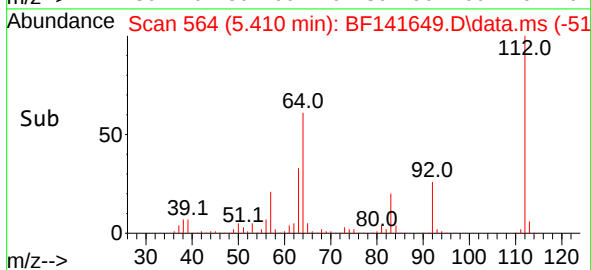
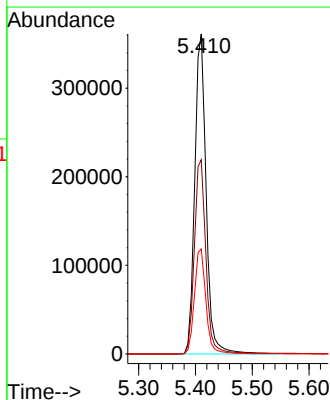
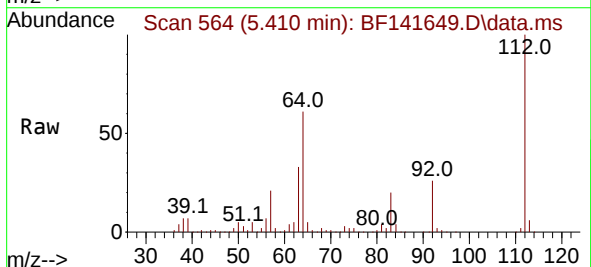
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#5
2-Fluorophenol
Concen: 87.487 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

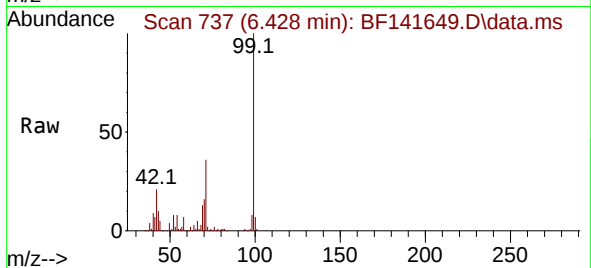
Tgt Ion:112 Resp: 506837
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 32.8 28.4 42.6





#7
Phenol-d6
Concen: 85.428 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

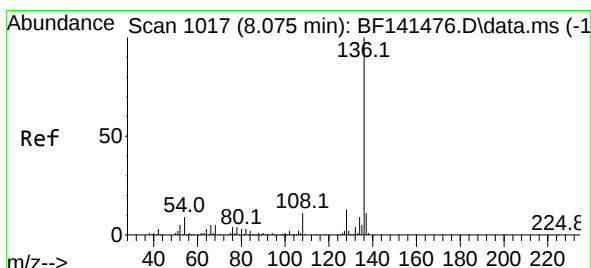
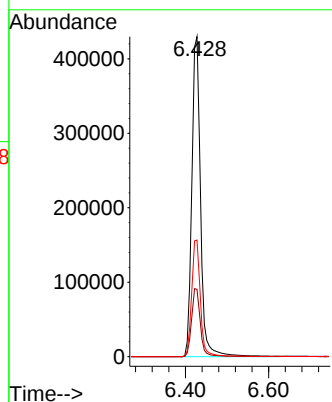
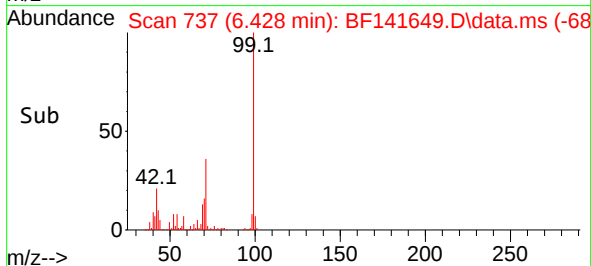
Instrument :
BNA_F
ClientSampleId :
348



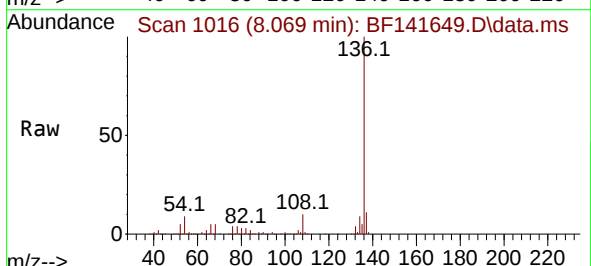
Tgt Ion: 99 Resp: 62552
Ion Ratio Lower Upper
99 100
42 21.1 19.1 28.7
71 36.4 31.1 46.7

Manual Integrations
APPROVED

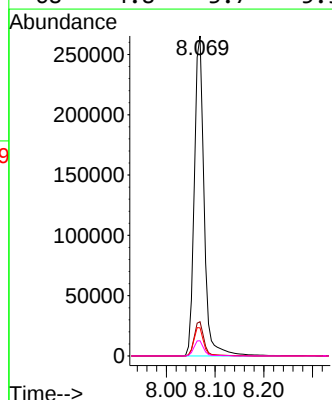
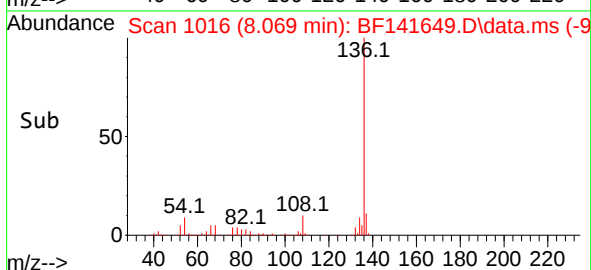
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

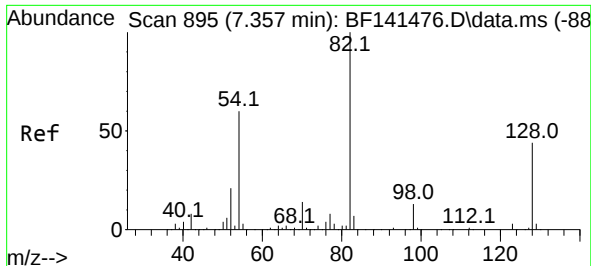


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34



Tgt Ion:136 Resp: 372956
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 57.557 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

Tgt Ion: 82 Resp: 41156

Ion Ratio Lower Upper

82 100

128 44.4 34.8 52.2

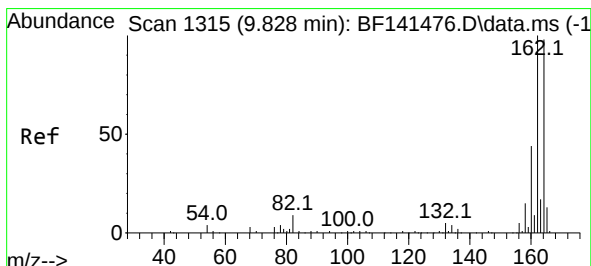
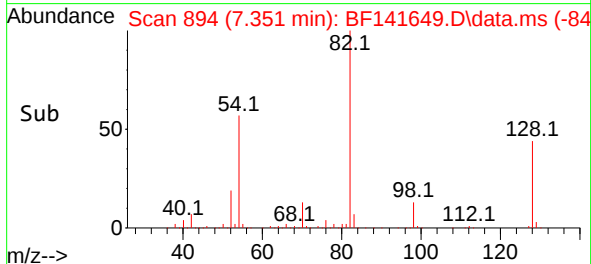
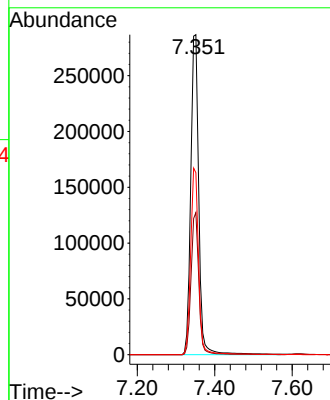
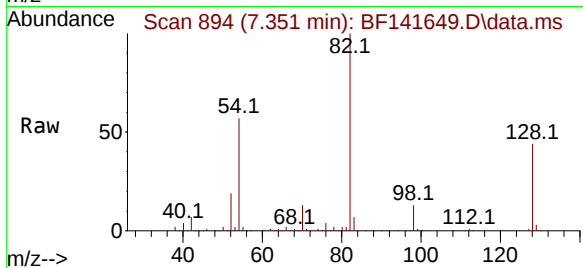
54 56.9 48.2 72.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/15/2025

Supervised By :Jagrut Upadhyay 02/19/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

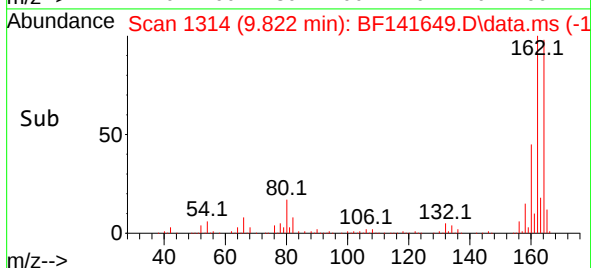
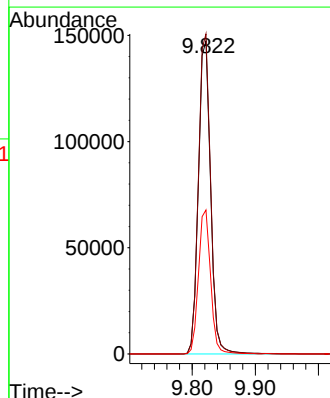
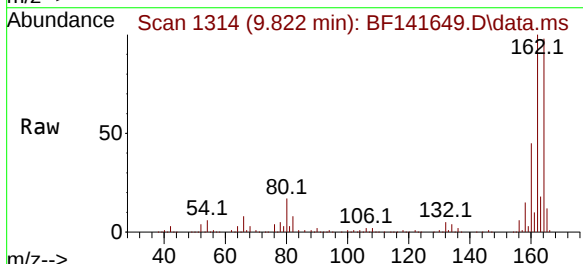
Tgt Ion:164 Resp: 197185

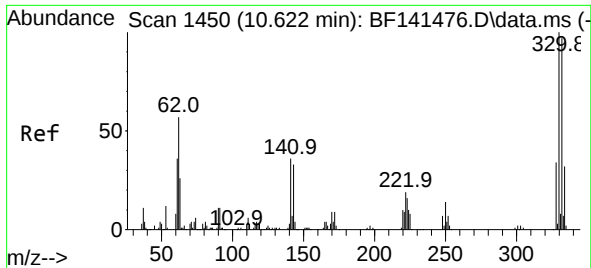
Ion Ratio Lower Upper

164 100

162 102.3 81.3 121.9

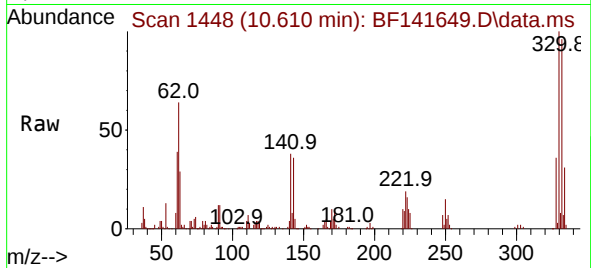
160 46.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 79.960 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

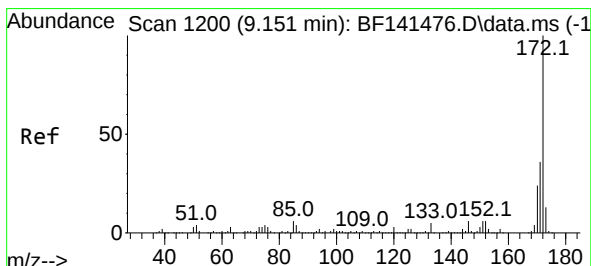
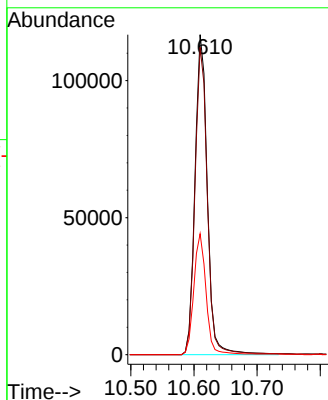
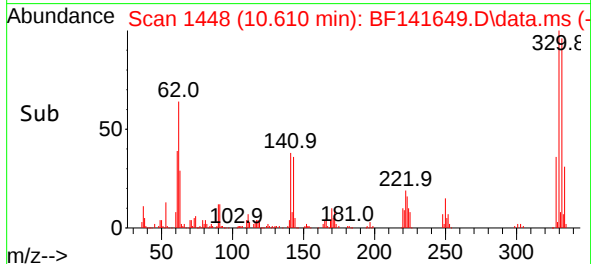
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion: 330 Resp: 158380
Ion Ratio Lower Upper
330 100
332 96.2 78.5 117.7
141 37.6 31.0 46.4

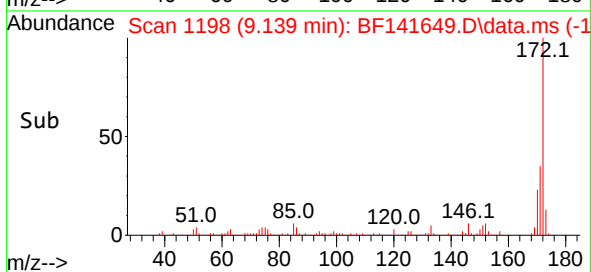
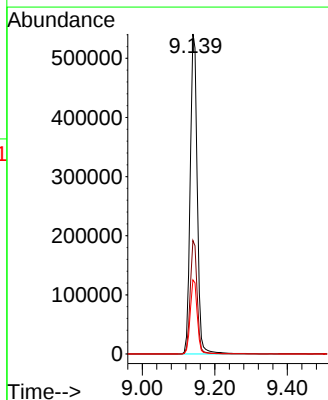
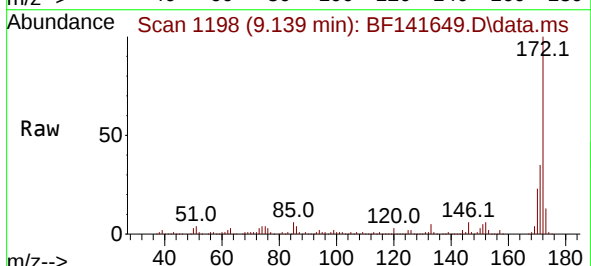
Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 02/15/2025
Supervised By : Jagrut Upadhyay 02/19/2025



#45
2-Fluorobiphenyl
Concen: 57.001 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion: 172 Resp: 729543
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3





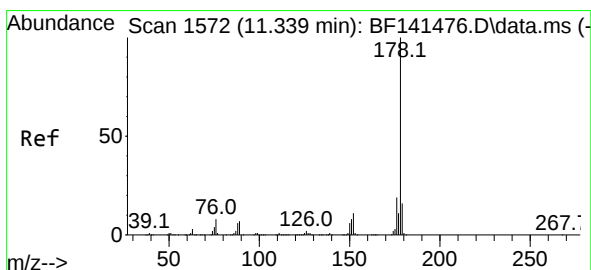
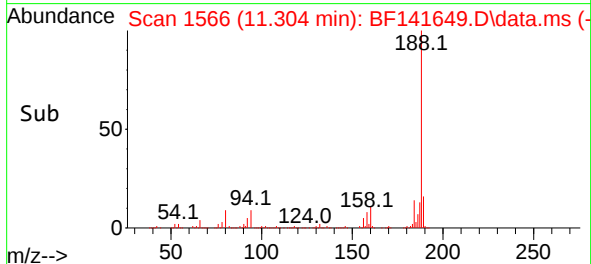
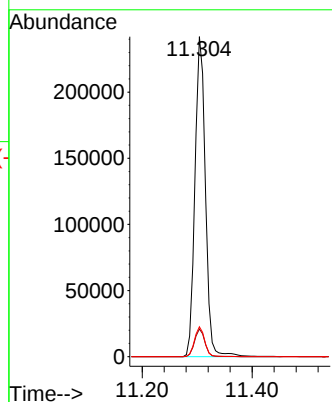
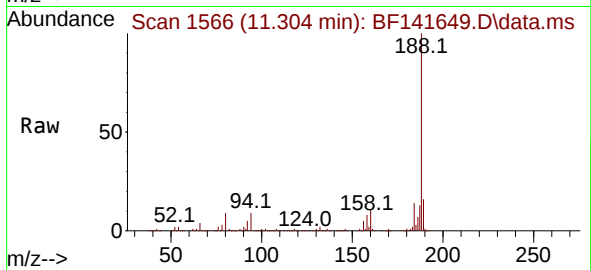
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion:188 Resp: 31914
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.3 7.3 10.9

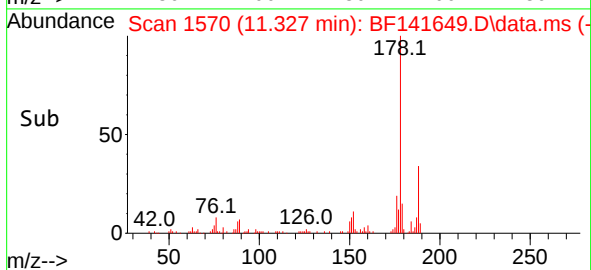
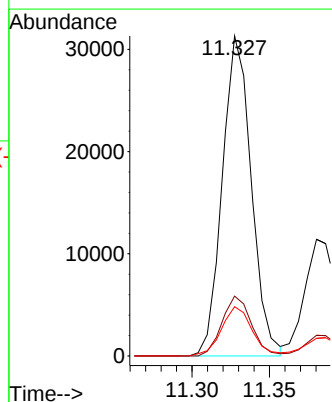
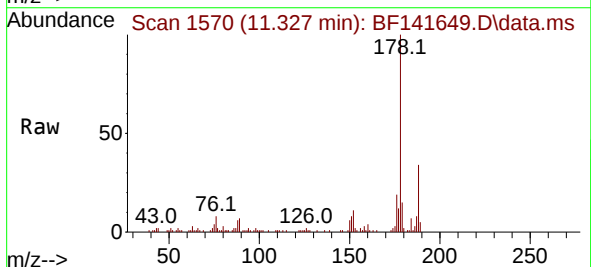
Manual Integrations
APPROVED

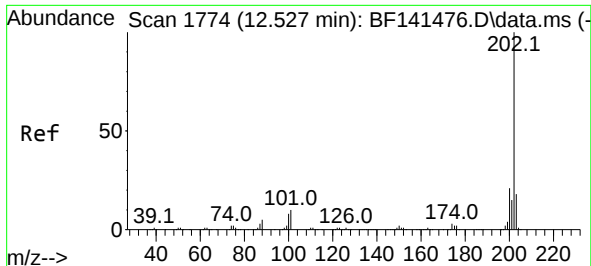
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#71
Phenanthrene
Concen: 2.318 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

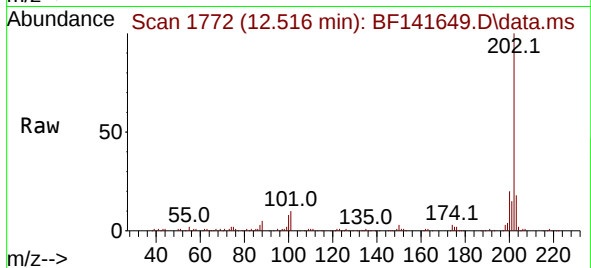
Tgt Ion:178 Resp: 40729
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 5.505 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

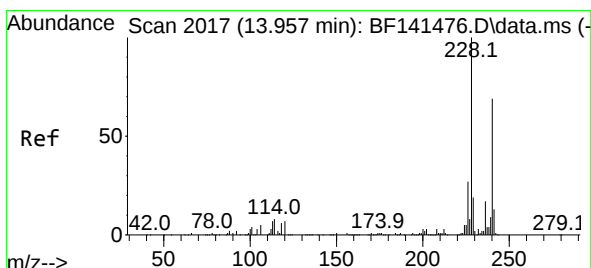
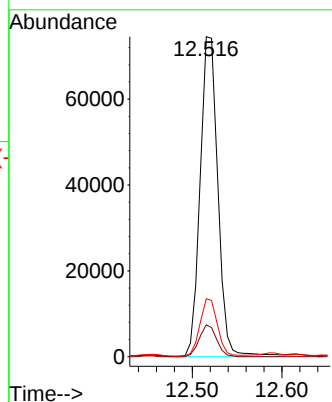
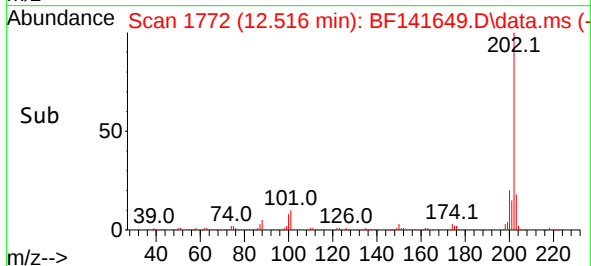
Instrument :
BNA_F
ClientSampleId :
348



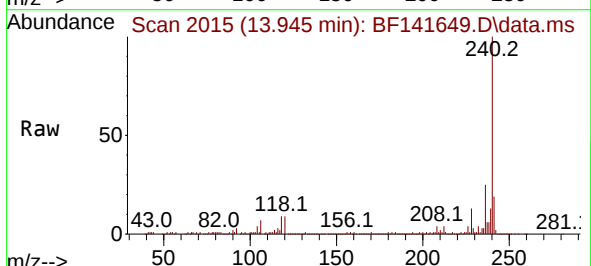
Tgt Ion:202 Resp: 10253
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.2
203 18.1 0.0 37.6

Manual Integrations
APPROVED

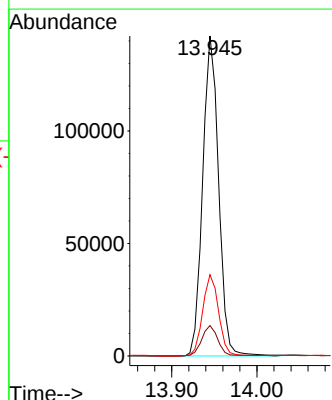
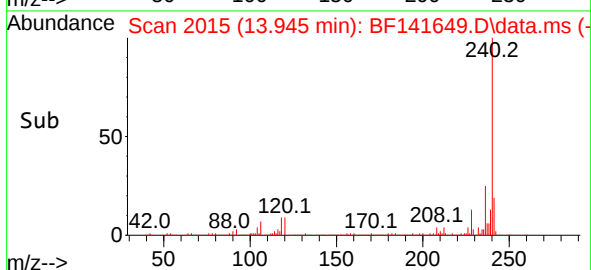
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

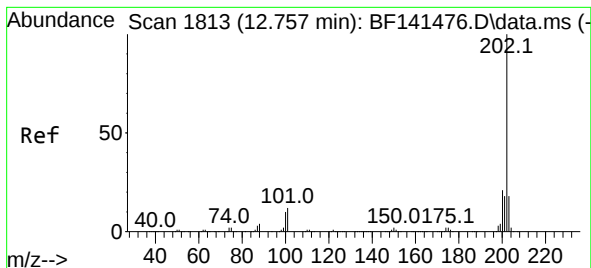


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34



Tgt Ion:240 Resp: 184713
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 25.4 19.8 29.8





#78

Pyrene

Concen: 5.793 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

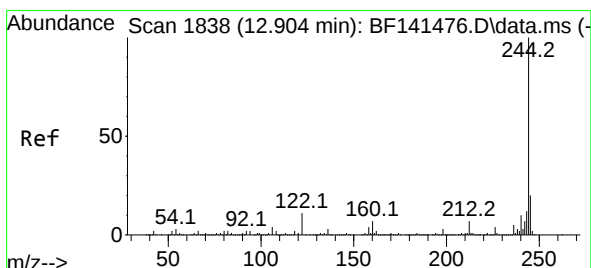
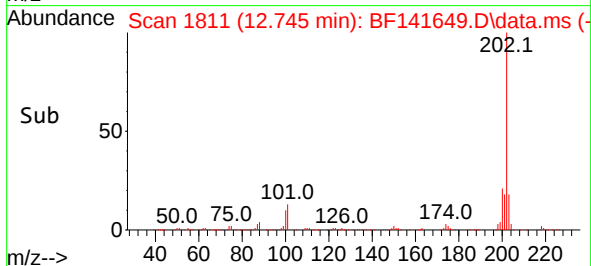
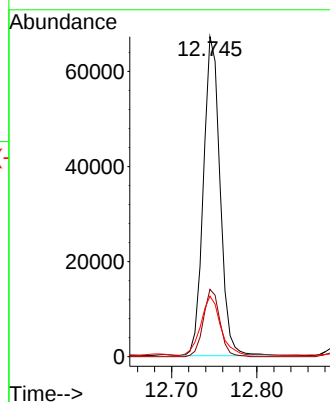
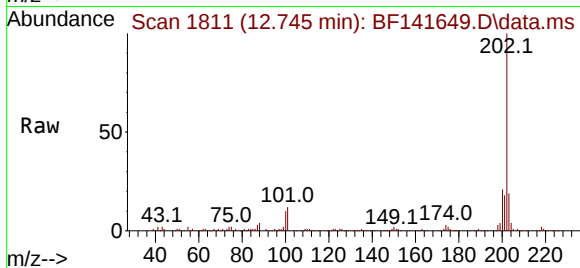
Tgt Ion:	202	Resp:	91092
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.0	25.4
203	18.9	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/15/2025

Supervised By :Jagrut Upadhyay 02/19/2025



#79

Terphenyl-d14

Concen: 54.979 ng

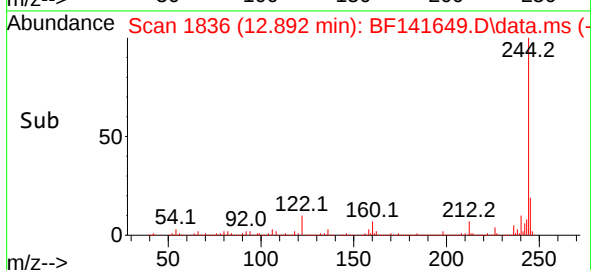
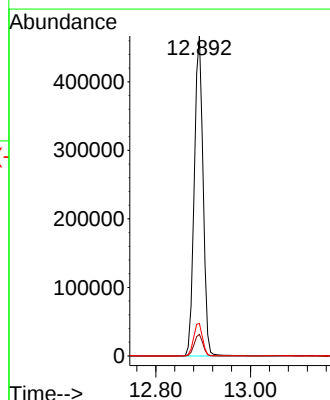
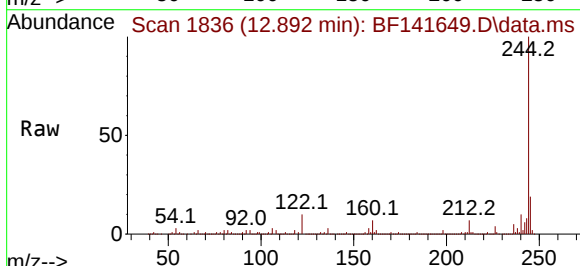
RT: 12.892 min Scan# 1836

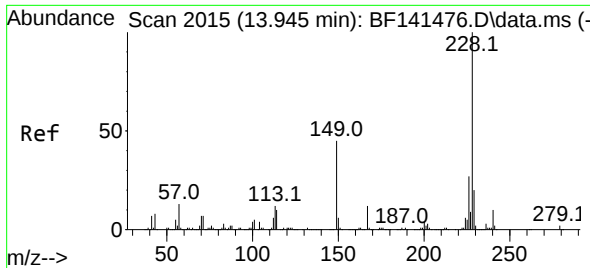
Delta R.T. -0.012 min

Lab File: BF141649.D

Acq: 14 Feb 2025 19:34

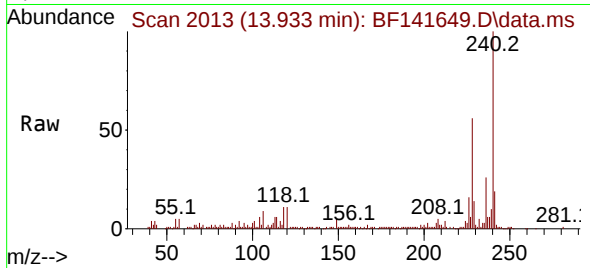
Tgt Ion:	244	Resp:	601561
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.6	8.4
122	10.1	8.4	12.6





#81
Benzo(a)anthracene
Concen: 3.412 ng m
RT: 13.933 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

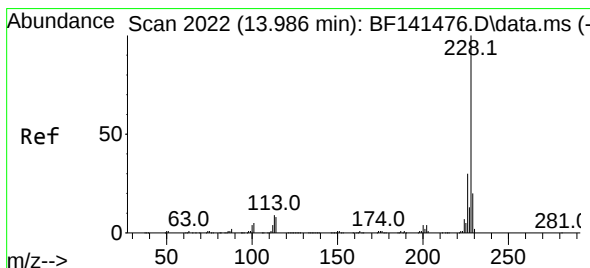
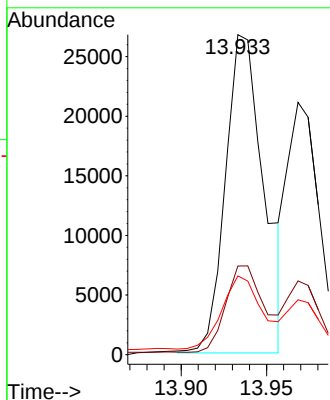
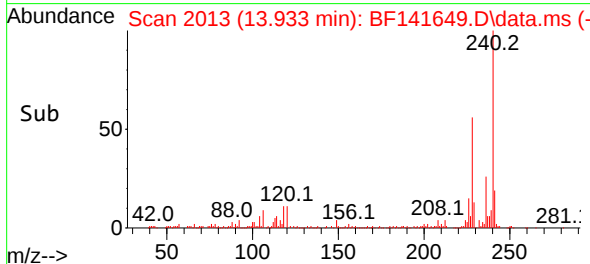
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:228 Resp: 41898
Ion Ratio Lower Upper
228 100
226 27.7 21.8 32.8
229 24.6 15.8 23.6

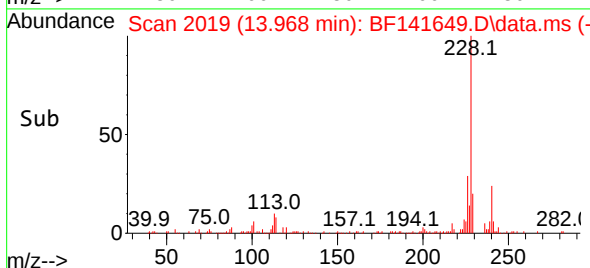
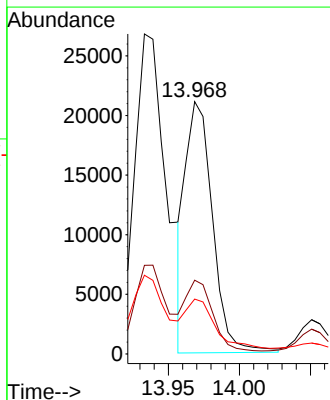
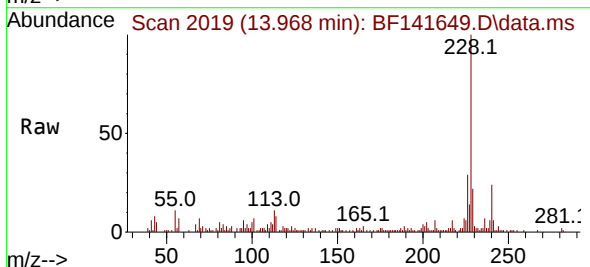
Manual Integrations
APPROVED

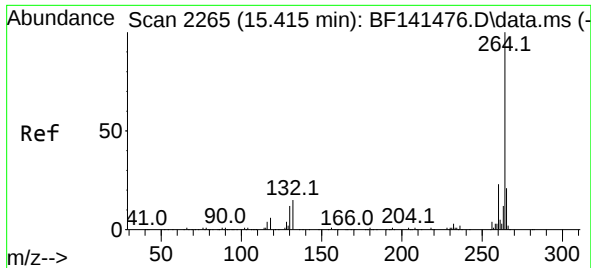
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#83
Chrysene
Concen: 2.464 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.023 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Tgt Ion:228 Resp: 27936
Ion Ratio Lower Upper
228 100
226 29.2 24.0 36.0
229 21.7 15.7 23.5





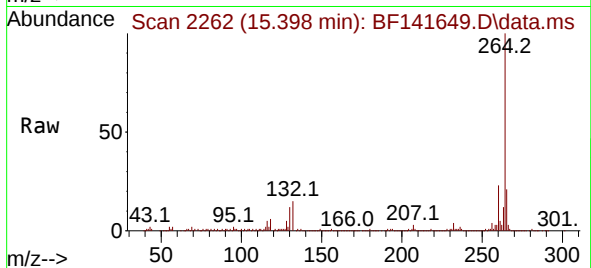
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 2111
 Delta R.T. -0.018 min
 Lab File: BF141649.D
 Acq: 14 Feb 2025 19:34

Instrument :

BNA_F

ClientSampleId :

348

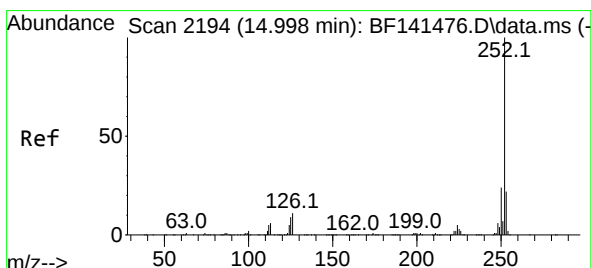
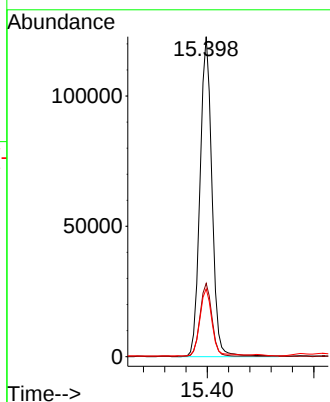
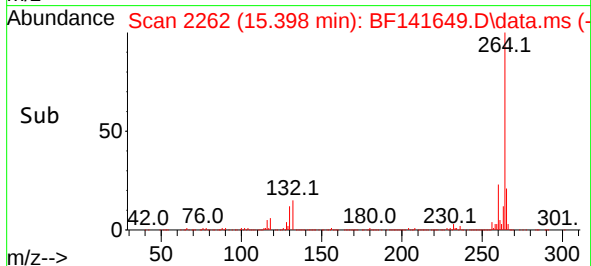


Tgt Ion:264 Resp: 191110
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 21.2 17.0 25.4

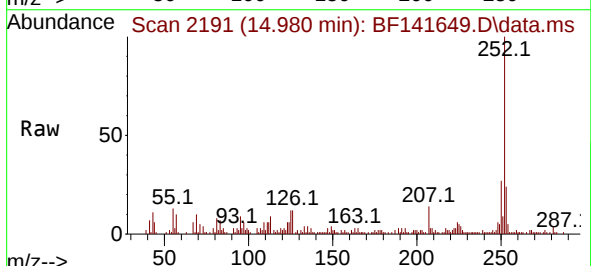
Manual Integrations

APPROVED

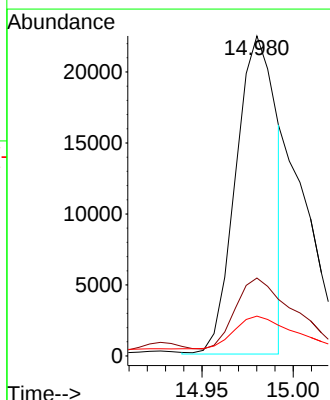
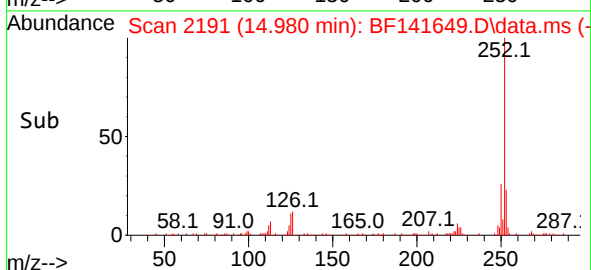
Reviewed By :Yogesh Patel 02/15/2025
 Supervised By :Jagrut Upadhyay 02/19/2025

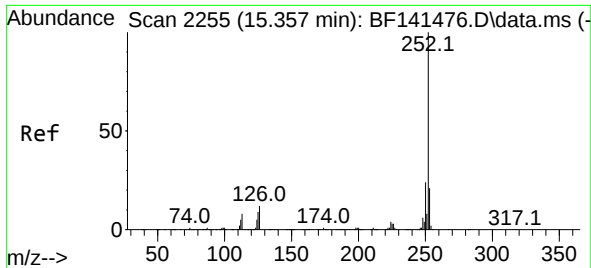


#88
 Benzo(b)fluoranthene
 Concen: 2.702 ng m
 RT: 14.980 min Scan# 2191
 Delta R.T. -0.023 min
 Lab File: BF141649.D
 Acq: 14 Feb 2025 19:34



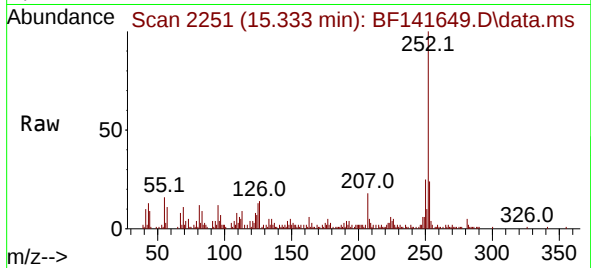
Tgt Ion:252 Resp: 34669
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.5 26.3
 125 12.5 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 2.778 ng
RT: 15.333 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141649.D
Acq: 14 Feb 2025 19:34

Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:252 Resp: 2884
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 13.0 7.4 11.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

