

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141625.D
 Acq On : 13 Feb 2025 19:53
 Operator : RC/JU
 Sample : Q1365-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 286

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/14/2025
 Supervised By :mohammad ahmed 02/15/2025

Quant Time: Feb 14 00:38:31 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	87544	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348669	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	175425	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	268879	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	194331	20.000	ng	-0.02
86) Perylene-d12	15.410	264	158004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	243218	43.556	ng	0.00
7) Phenol-d6	6.422	99	302893	42.916	ng	-0.02
23) Nitrobenzene-d5	7.345	82	191036	28.578	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	67146	38.103	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	360528	31.663	ng	-0.01
79) Terphenyl-d14	12.892	244	308097	26.765	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.516	202	71533	4.559	ng	98
78) Pyrene	12.745	202	58084	3.511	ng	98
81) Benzo(a)anthracene	13.939	228	30077	2.328	ng	# 90
83) Chrysene	13.974	228	35775	2.999	ng	# 96
88) Benzo(b)fluoranthene	14.992	252	38525m	3.631	ng	
90) Benzo(a)pyrene	15.351	252	23717	2.763	ng	# 79

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

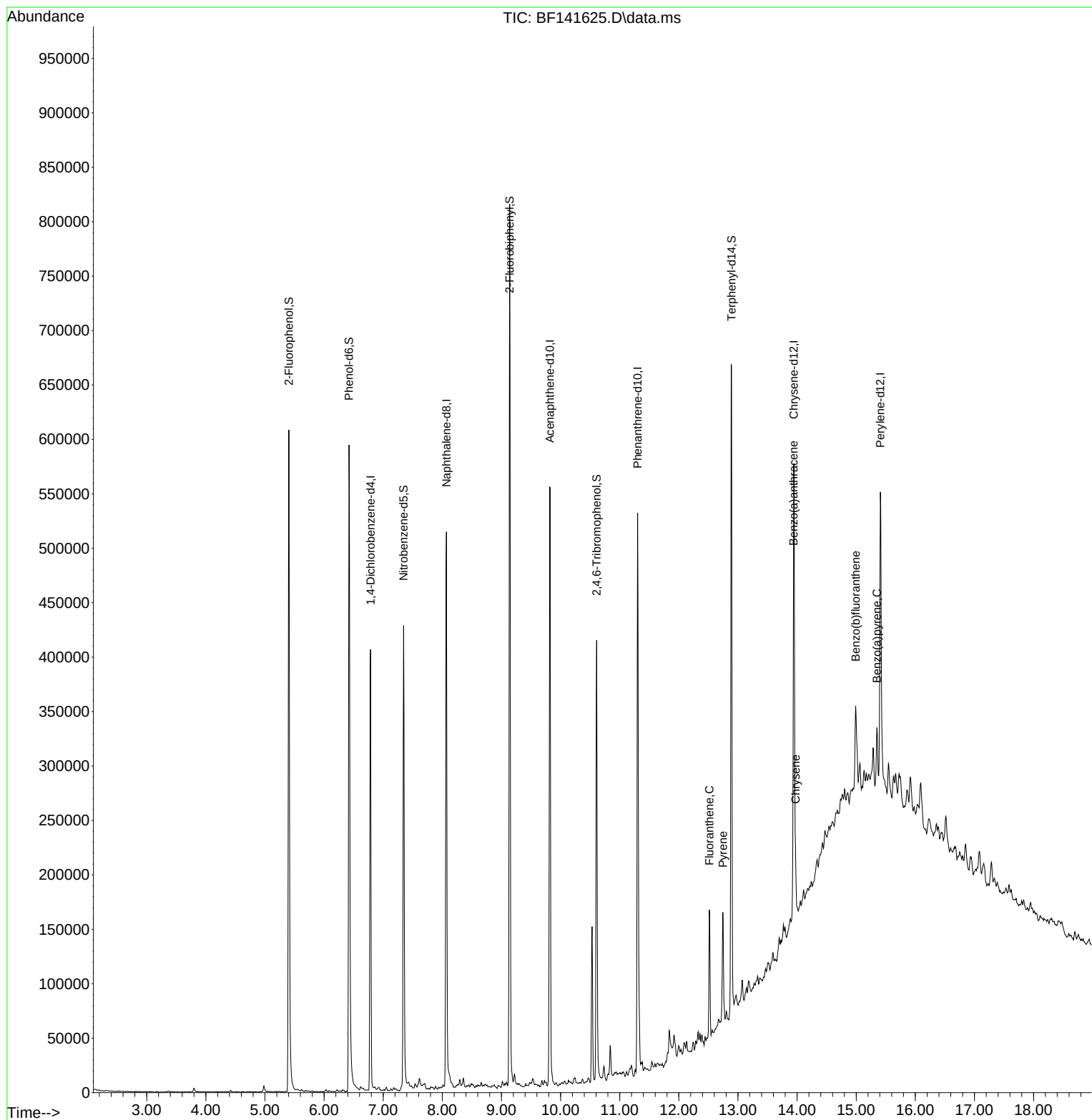
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141625.D
Acq On : 13 Feb 2025 19:53
Operator : RC/JU
Sample : Q1365-05 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

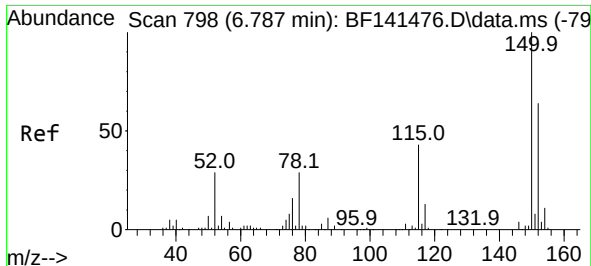
Instrument :
BNA_F
ClientSampleId :
286

Manual Integrations
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Supervised By :mohammad ahmed 02/15/2025

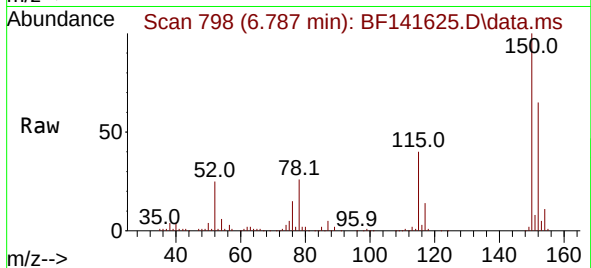
Quant Time: Feb 14 00:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

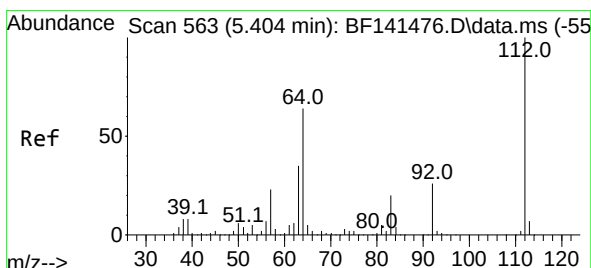
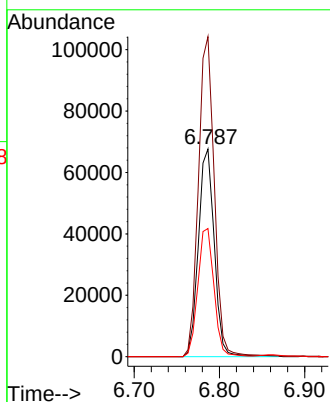
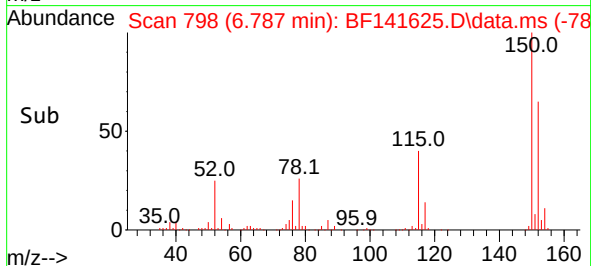
Instrument :
BNA_F
ClientSampleId :
286



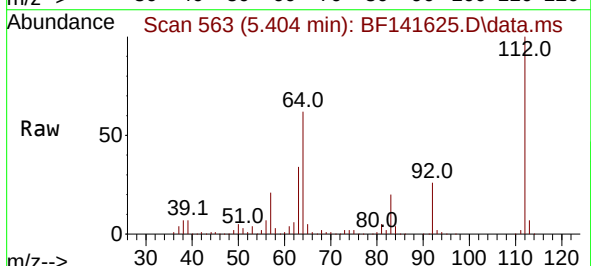
Tgt Ion:152 Resp: 87544
Ion Ratio Lower Upper
152 100
150 154.0 125.0 187.4
115 61.7 53.6 80.4

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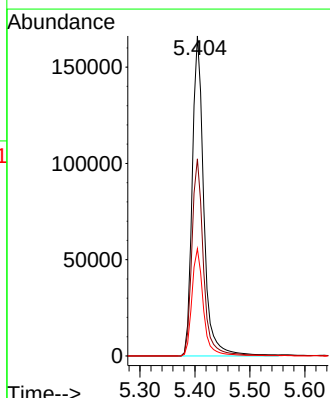
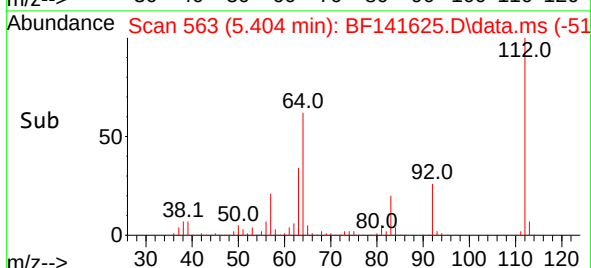
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025

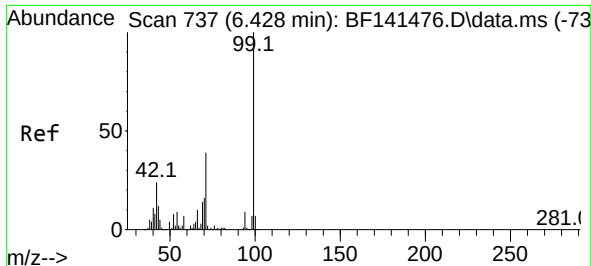


#5
2-Fluorophenol
Concen: 43.556 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53



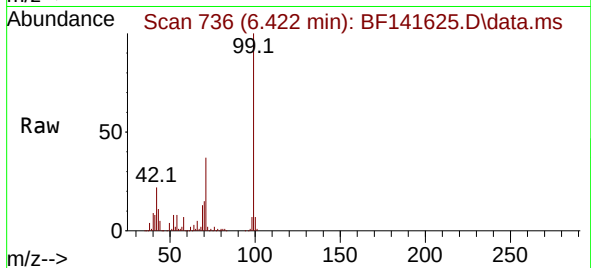
Tgt Ion:112 Resp: 243218
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 33.5 28.4 42.6





#7
Phenol-d6
Concen: 42.916 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

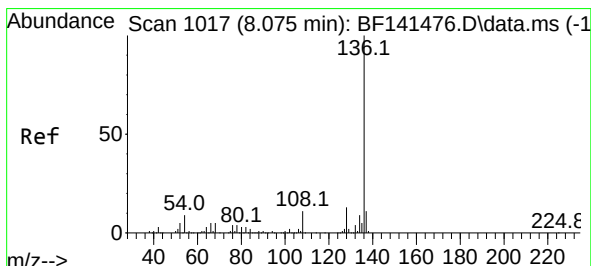
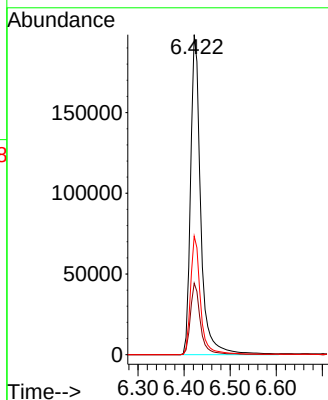
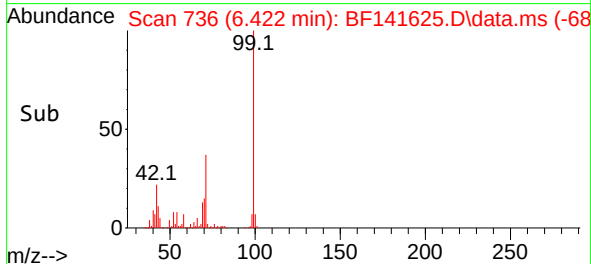
Instrument :
BNA_F
ClientSampleId :
286



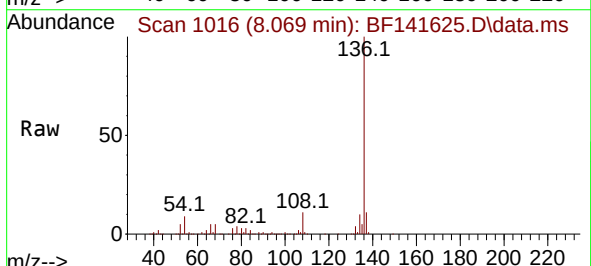
Tgt Ion: 99 Resp: 30289
Ion Ratio Lower Upper
99 100
42 22.3 19.1 28.7
71 37.0 31.1 46.7

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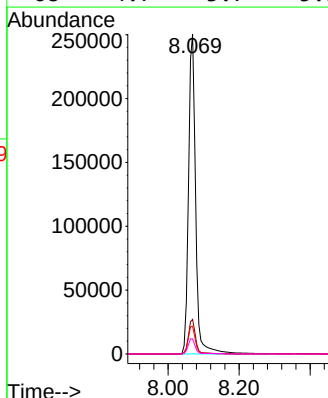
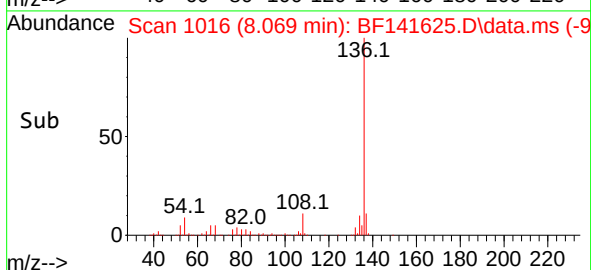
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025

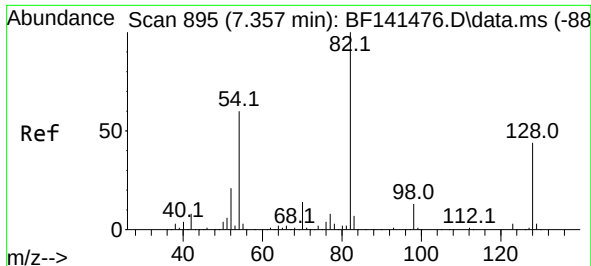


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53



Tgt Ion:136 Resp: 348669
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.2 10.8
68 4.7 3.7 5.5





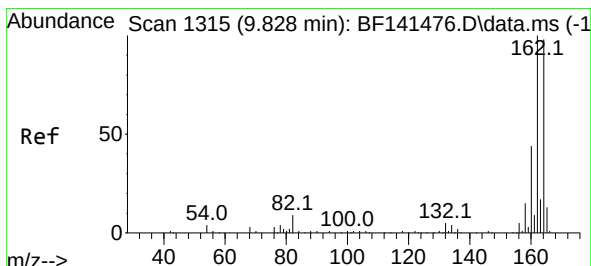
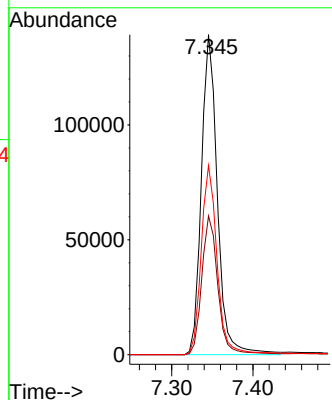
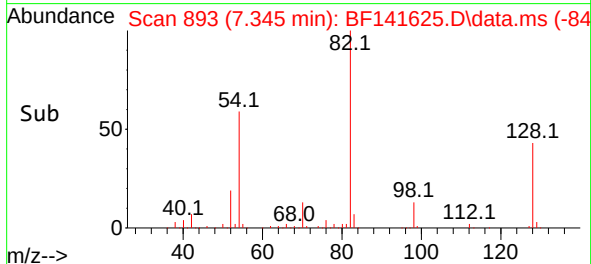
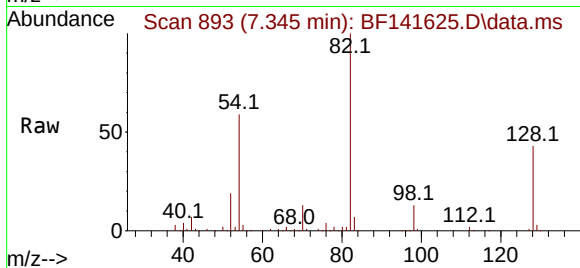
#23
Nitrobenzene-d5
Concen: 28.578 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

Instrument :
BNA_F
ClientSampleId :
286

Tgt Ion: 82 Resp: 191036
Ion Ratio Lower Upper
82 100
128 43.3 34.8 52.2
54 59.1 48.2 72.4

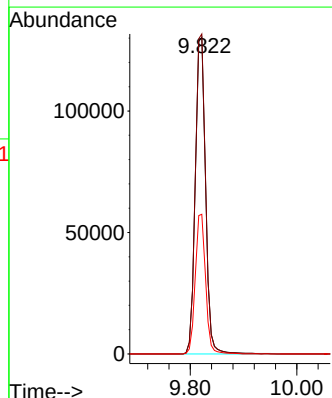
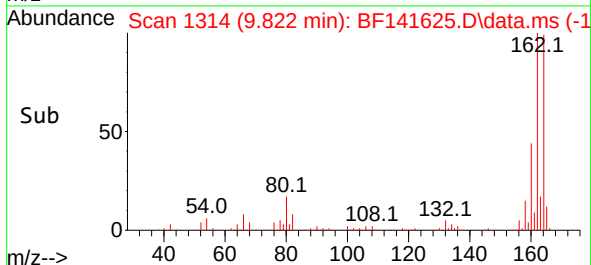
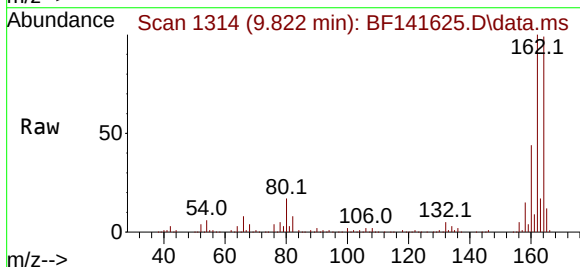
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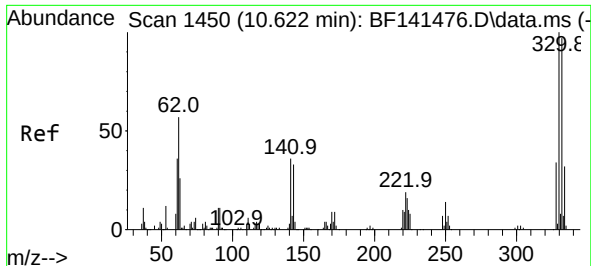
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

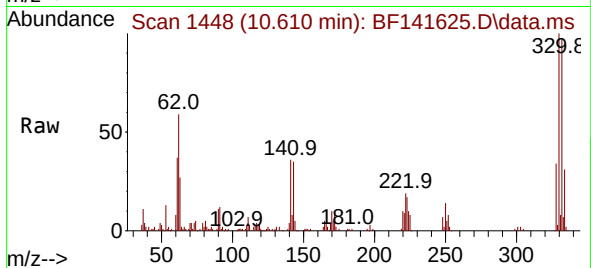
Tgt Ion:164 Resp: 175425
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 44.1 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 38.103 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

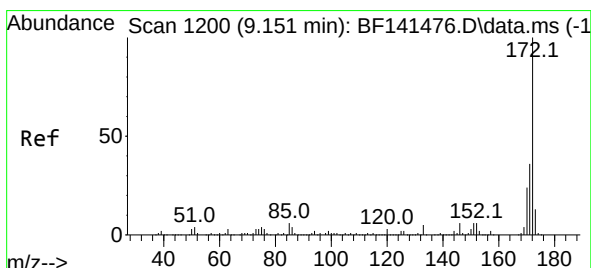
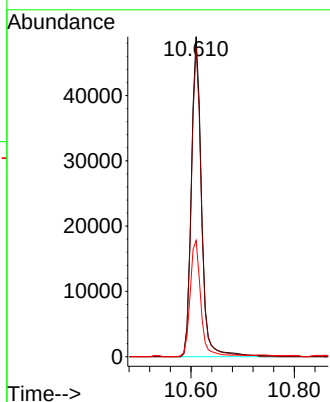
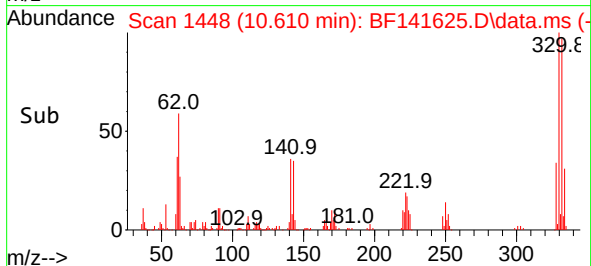
Instrument :
BNA_F
ClientSampleId :
286



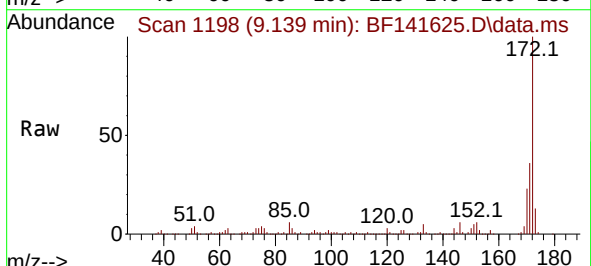
Tgt Ion:330 Resp: 67140
Ion Ratio Lower Upper
330 100
332 95.7 78.5 117.7
141 38.5 31.0 46.4

Manual Integrations
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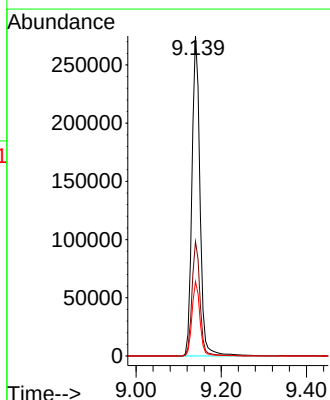
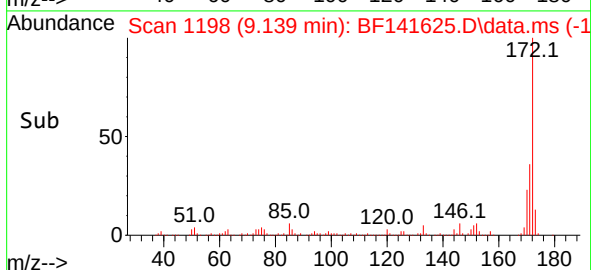
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025

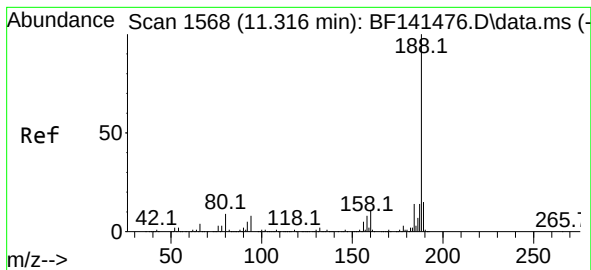


#45
2-Fluorobiphenyl
Concen: 31.663 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53



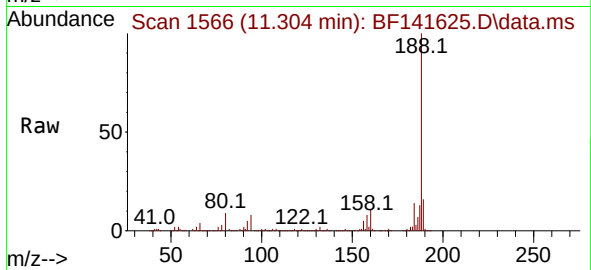
Tgt Ion:172 Resp: 360528
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

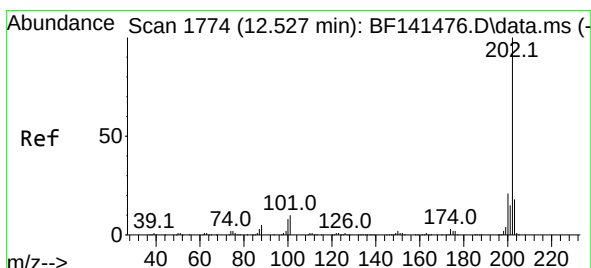
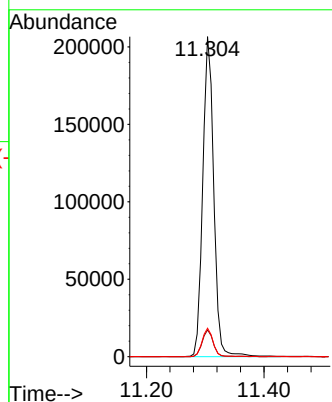
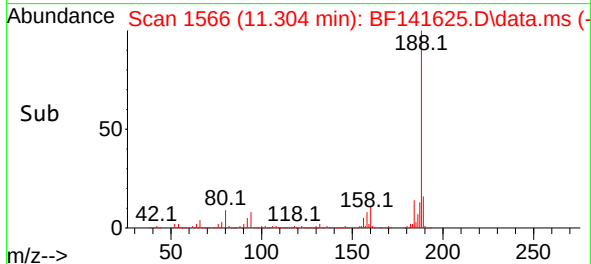
Instrument :
BNA_F
ClientSampleId :
286



Tgt Ion:188 Resp: 268879
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 8.9 7.3 10.9

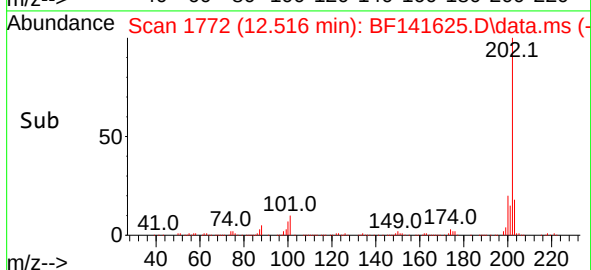
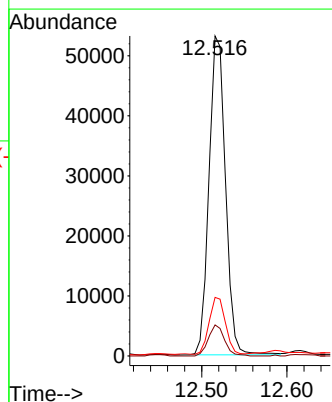
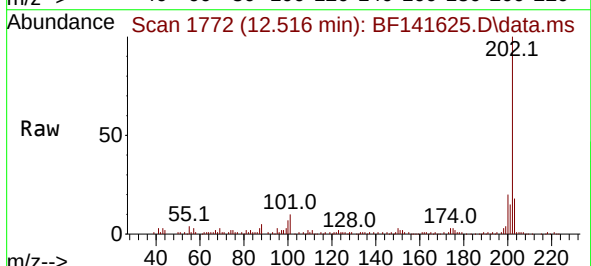
Manual Integrations
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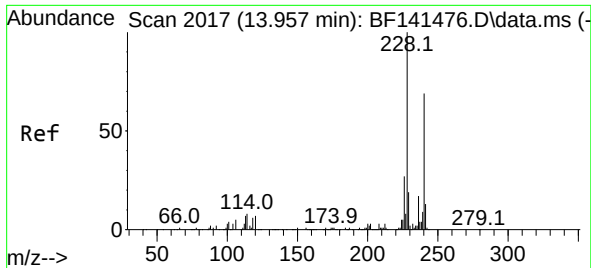
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#75
Fluoranthene
Concen: 4.559 ng
RT: 12.516 min Scan# 1772
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

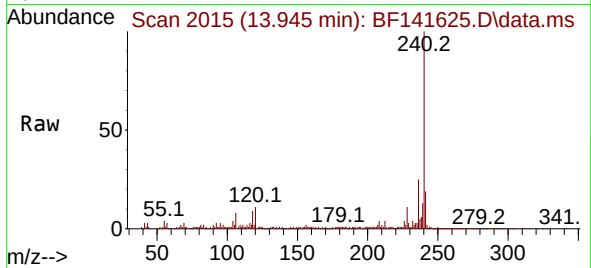
Tgt Ion:202 Resp: 71533
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 18.3 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

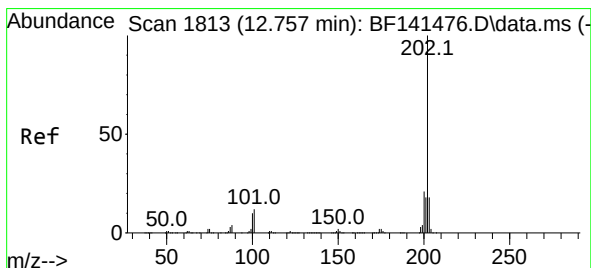
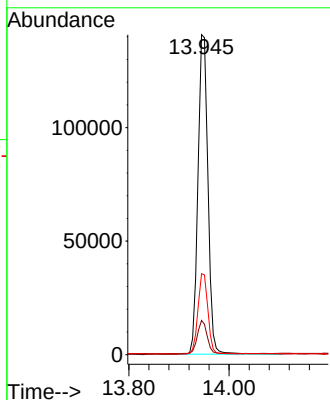
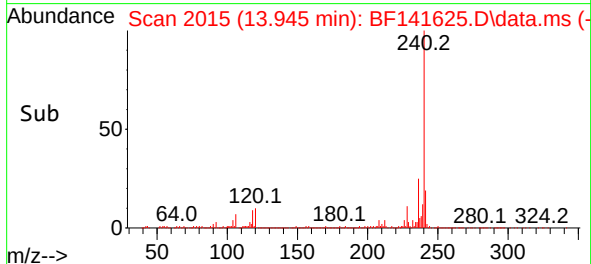
Instrument :
BNA_F
ClientSampleId :
286



Tgt Ion:240 Resp: 19433
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 25.3 19.8 29.8

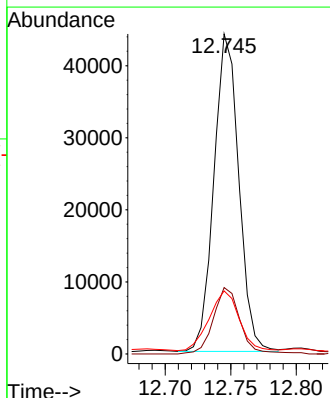
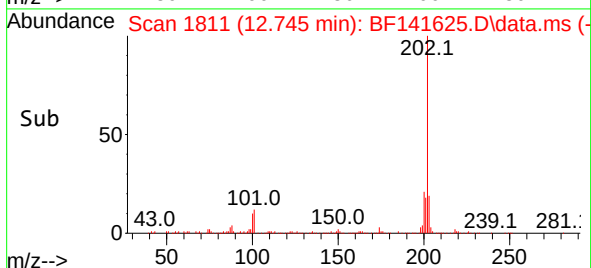
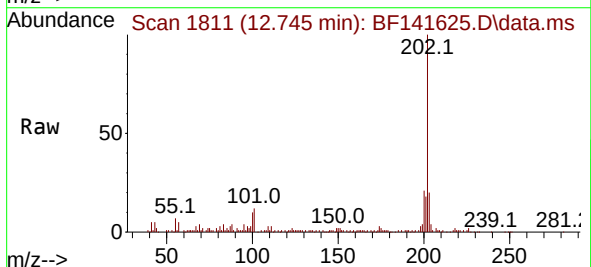
Manual Integrations
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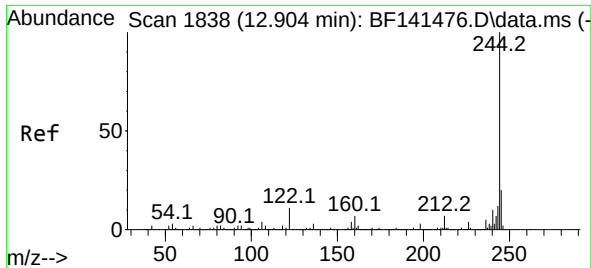
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#78
Pyrene
Concen: 3.511 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

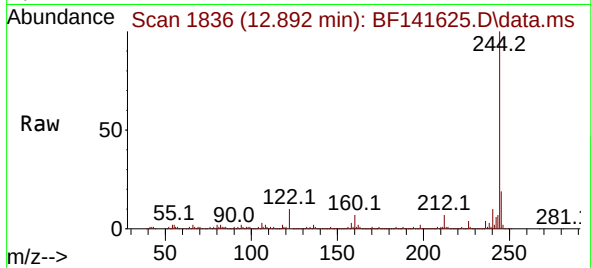
Tgt Ion:202 Resp: 58084
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 19.7 14.3 21.5





#79
Terphenyl-d14
Concen: 26.765 ng
RT: 12.892 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

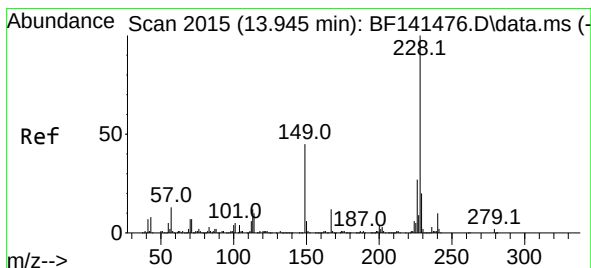
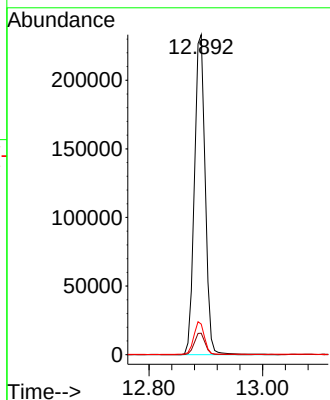
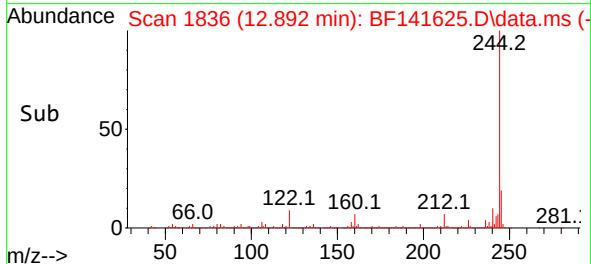
Instrument :
BNA_F
ClientSampleId :
286



Tgt Ion:244 Resp: 30809
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 9.6 8.4 12.6

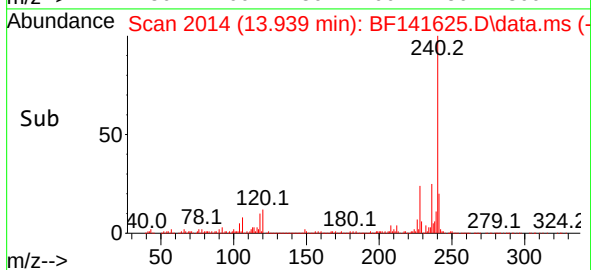
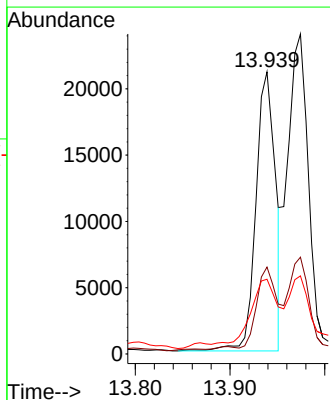
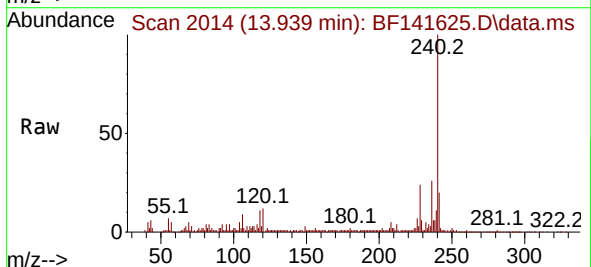
Manual Integrations
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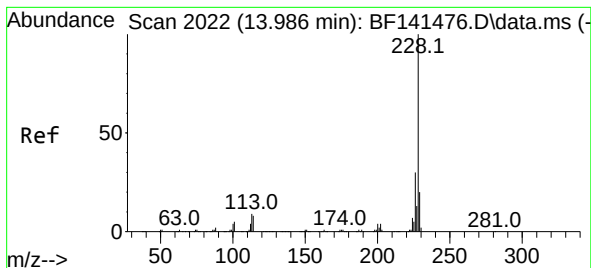
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#81
Benzo(a)anthracene
Concen: 2.328 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

Tgt Ion:228 Resp: 30077
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.8
229 26.5 15.8 23.6#





#83

Chrysene

Concen: 2.999 ng

RT: 13.974 min Scan# 2022

Delta R.T. -0.018 min

Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

286

Tgt Ion:228 Resp: 3577

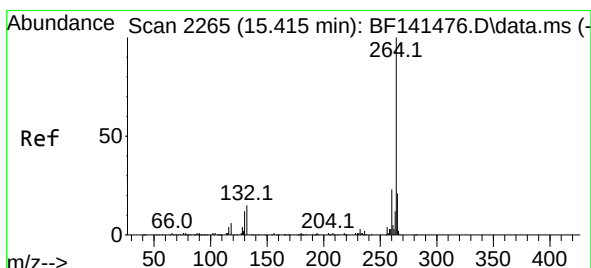
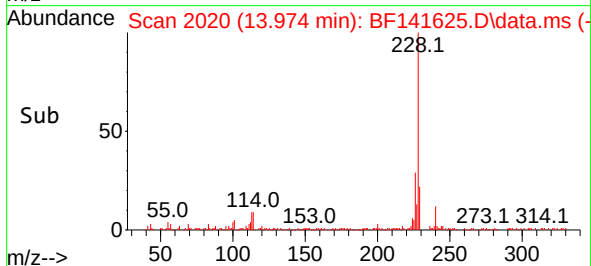
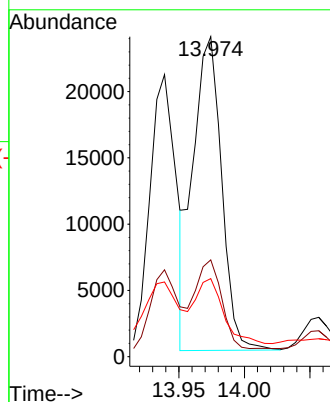
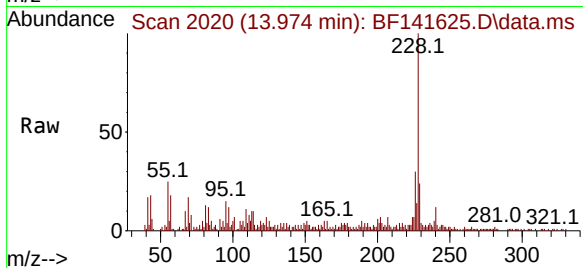
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	24.4	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/14/2025

Supervised By :mohammad ahmed 02/15/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2264

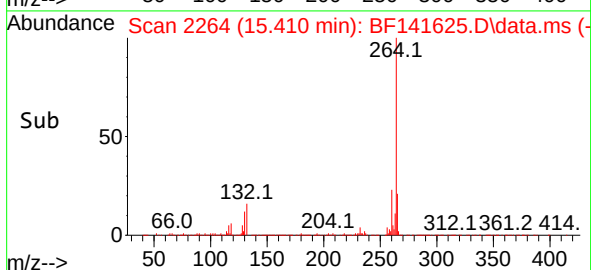
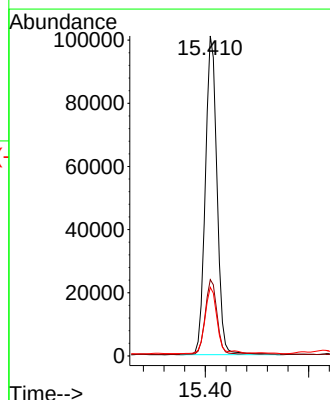
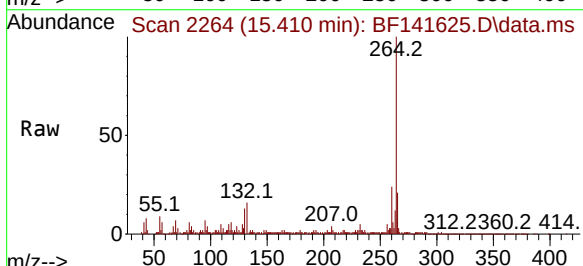
Delta R.T. -0.006 min

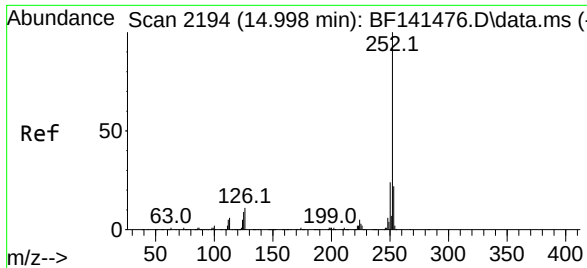
Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

Tgt Ion:264 Resp: 158004

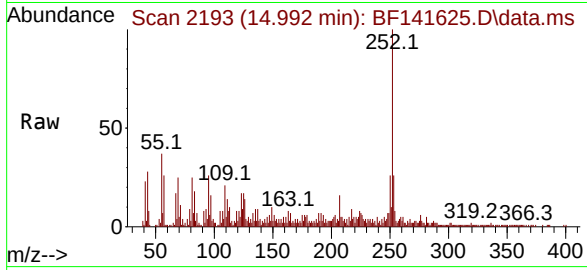
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	21.5	17.0	25.4





#88
Benzo(b)fluoranthene
Concen: 3.631 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

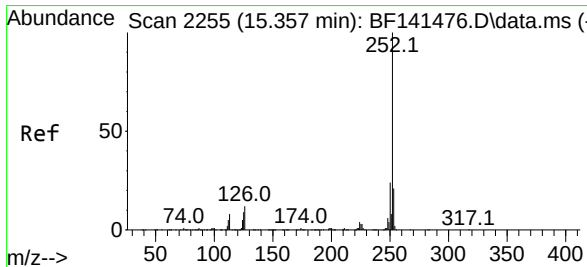
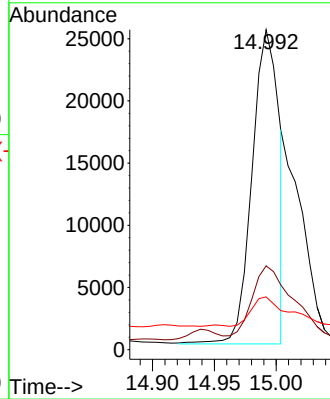
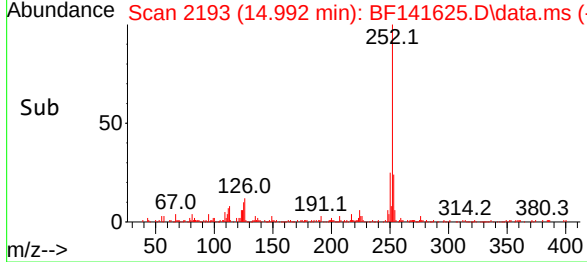
Instrument : BNA_F
ClientSampleId : 286



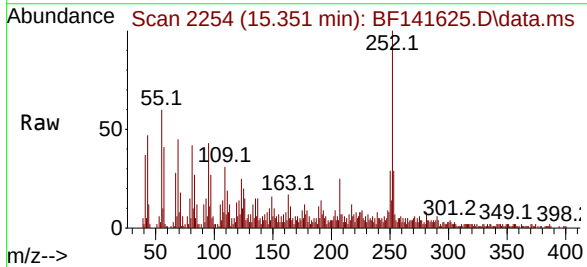
Tgt Ion:252 Resp: 3852
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 16.5 7.0 10.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#90
Benzo(a)pyrene
Concen: 2.763 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53



Tgt Ion:252 Resp: 23717
Ion Ratio Lower Upper
252 100
253 29.1 17.1 25.7#
125 20.5 7.4 11.2#

