

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141511.D
 Acq On : 07 Feb 2025 16:50
 Operator : RC/JU
 Sample : Q1299-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 17:16:35 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	6.786	152	80315	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	311407	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	153811	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	215425	20.000	ng	0.00
76) Chrysene-d12	13.951	240	174139	20.000	ng	-0.01
86) Perylene-d12	15.409	264	137838	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	516649	100.850	ng	0.00
7) Phenol-d6	6.428	99	634047	97.922	ng	-0.01
23) Nitrobenzene-d5	7.351	82	424068	71.028	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	132142	85.523	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	709067	71.023	ng	0.00
79) Terphenyl-d14	12.898	244	568395	55.102	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	31037	2.617	ng	98
75) Fluoranthene	12.521	202	35503	2.824	ng	99
78) Pyrene	12.751	202	37861	2.554	ng	99
83) Chrysene	13.974	228	24382	2.281	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.839	276	22132	2.599	ng	95
88) Benzo(b)fluoranthene	14.992	252	27705m	2.993	ng	
90) Benzo(a)pyrene	15.345	252	19126	2.554	ng	# 74
92) Benzo(g,h,i)perylene	17.280	276	38506	5.332	ng	93

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

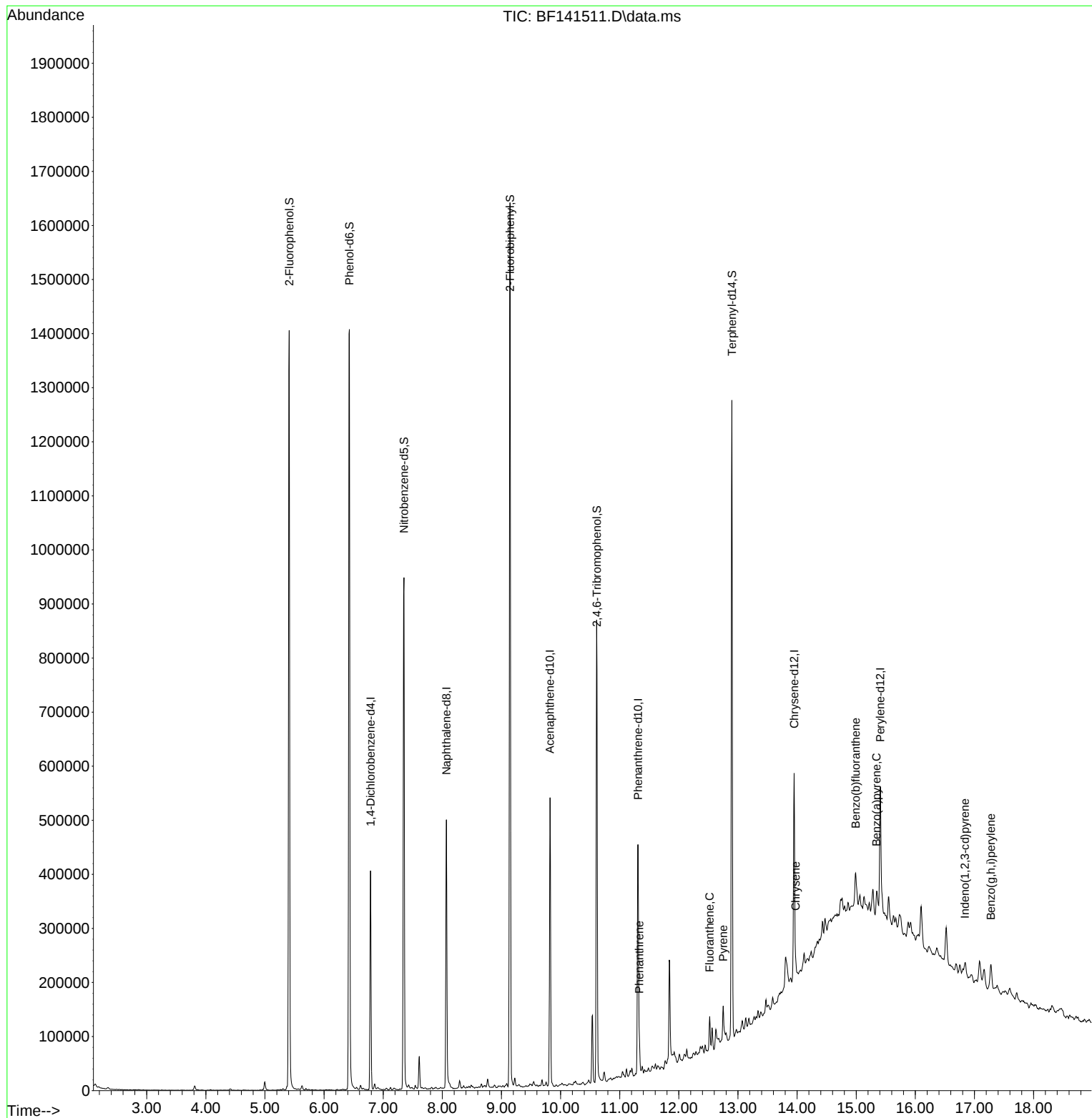
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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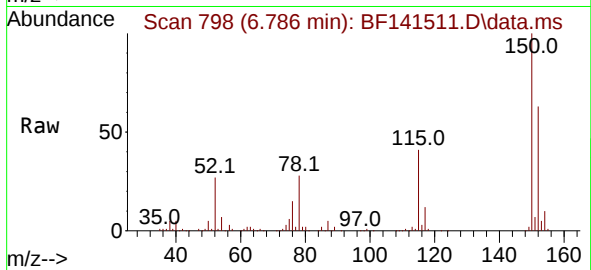
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

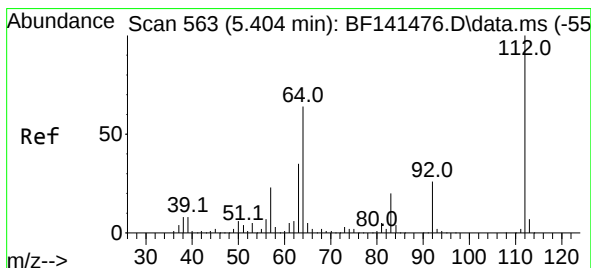
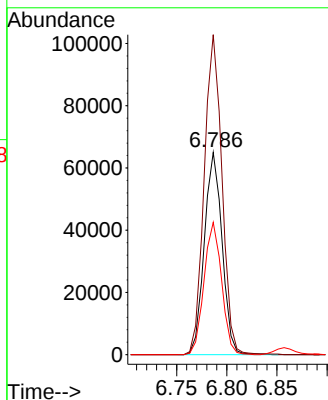
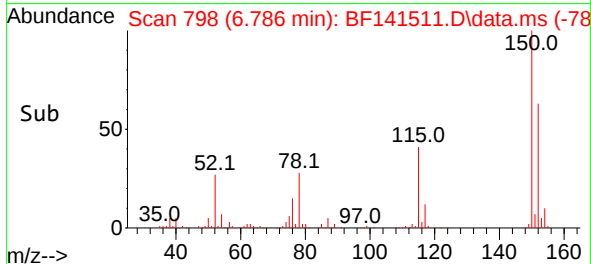
Instrument :
BNA_F
ClientSampleId :
WC-2



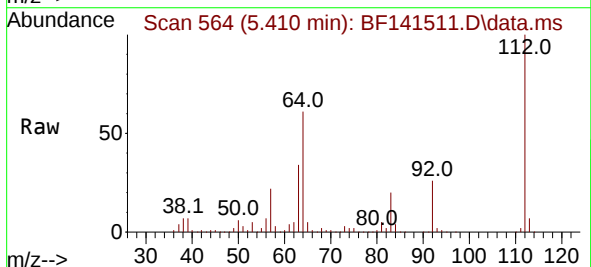
Tgt Ion:152 Resp: 80315
Ion Ratio Lower Upper
152 100
150 158.2 125.0 187.4
115 65.4 53.6 80.4

Manual Integrations
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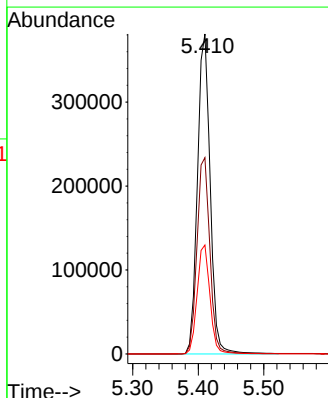
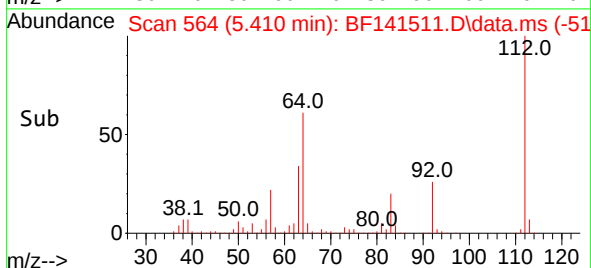
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 100.850 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50



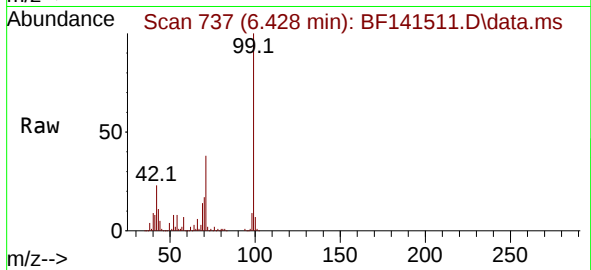
Tgt Ion:112 Resp: 516649
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 34.0 28.4 42.6





#7
Phenol-d6
Concen: 97.922 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

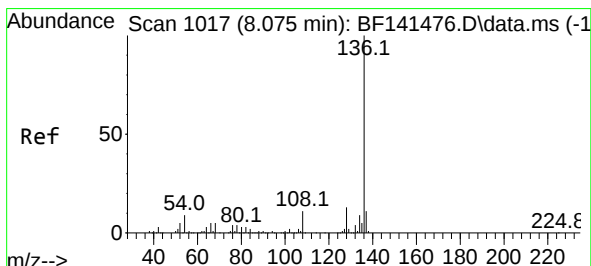
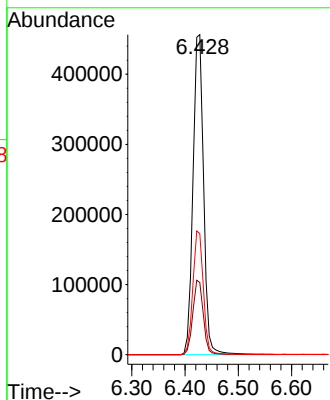
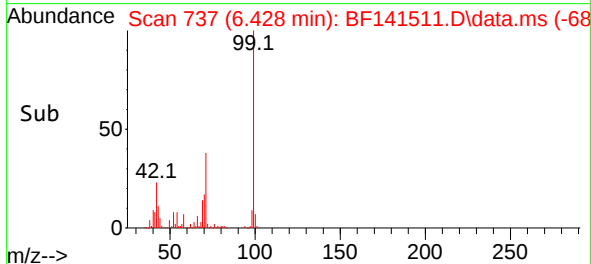
Instrument :
BNA_F
ClientSampleId :
WC-2



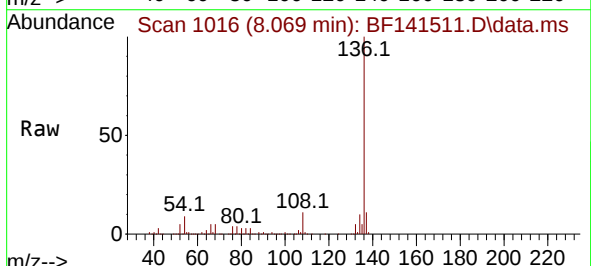
Tgt Ion: 99 Resp: 63404
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 37.9 31.1 46.7

Manual Integrations
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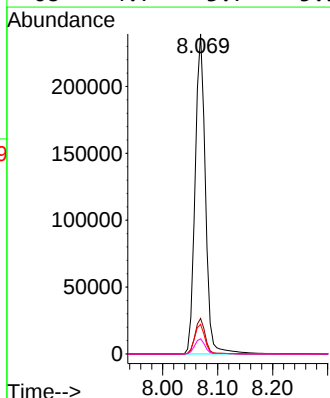
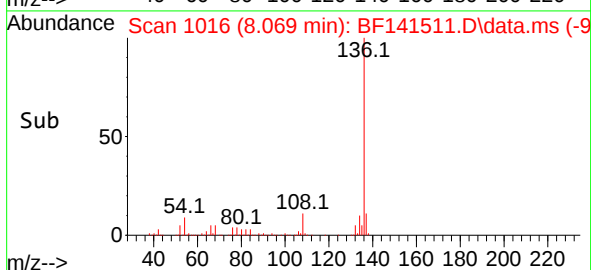
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50



Tgt Ion:136 Resp: 311407
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 7.2 10.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 71.028 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

Tgt Ion: 82 Resp: 424068

Ion Ratio Lower Upper

82 100

128 43.7 34.8 52.2

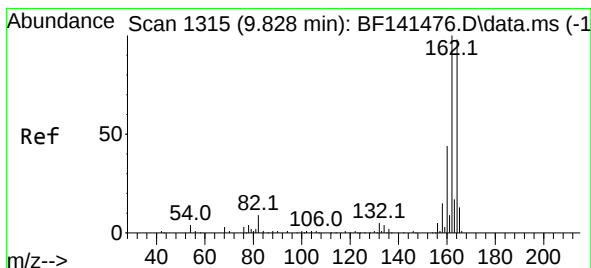
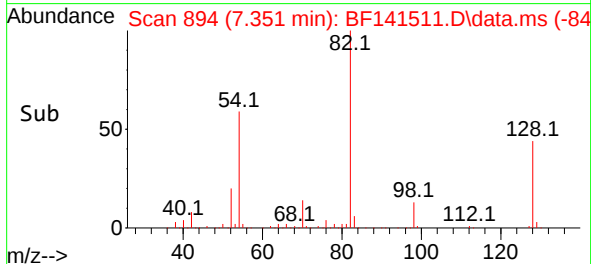
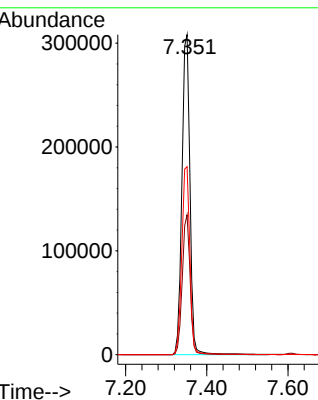
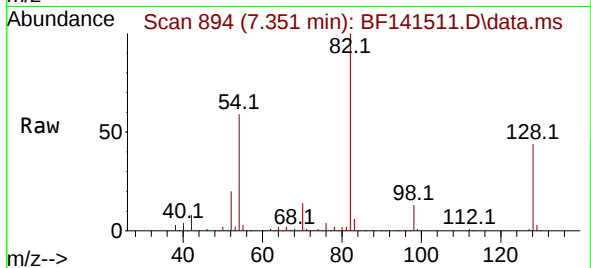
54 58.8 48.2 72.4

Manual Integrations

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Supervised By :mohammad ahmed 02/12/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

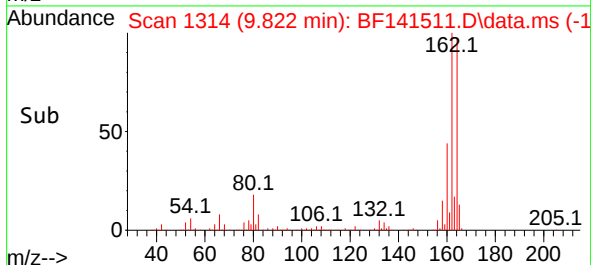
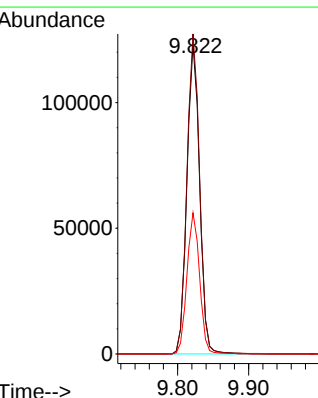
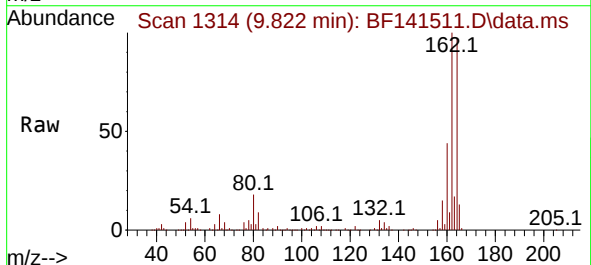
Tgt Ion:164 Resp: 153811

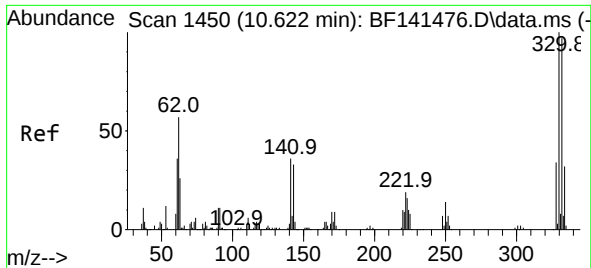
Ion Ratio Lower Upper

164 100

162 103.4 81.3 121.9

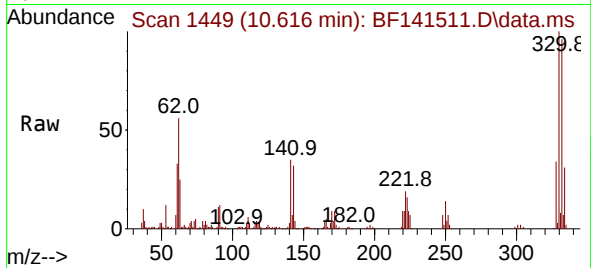
160 45.6 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 85.523 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

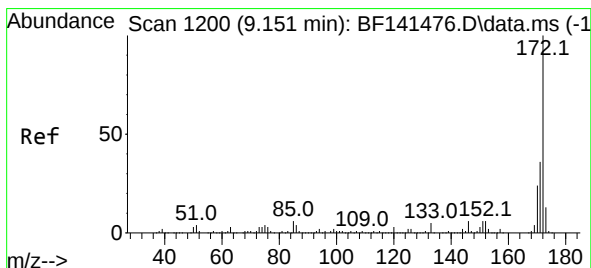
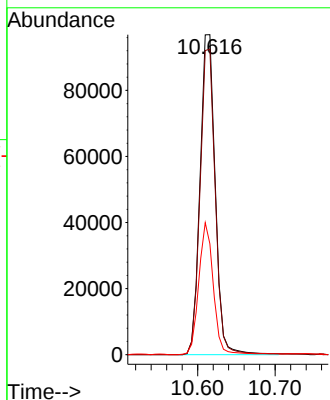
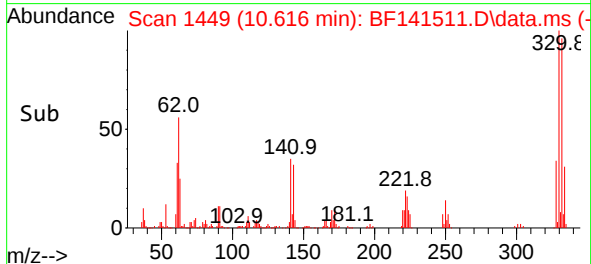
Instrument :
BNA_F
ClientSampleId :
WC-2



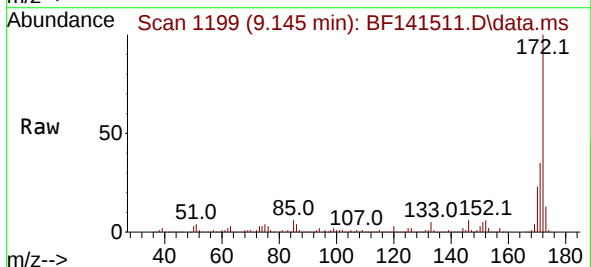
Tgt Ion: 330 Resp: 13214
Ion Ratio Lower Upper
330 100
332 95.6 78.5 117.7
141 39.6 31.0 46.4

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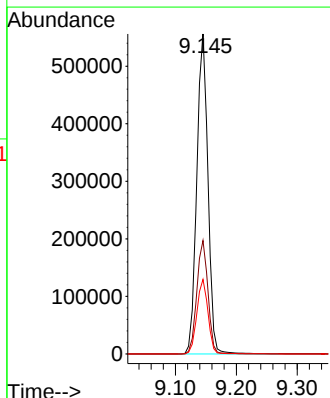
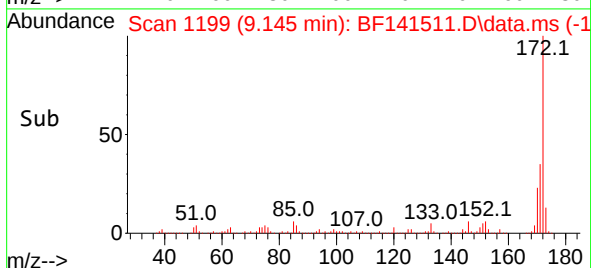
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#45
2-Fluorobiphenyl
Concen: 71.023 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50



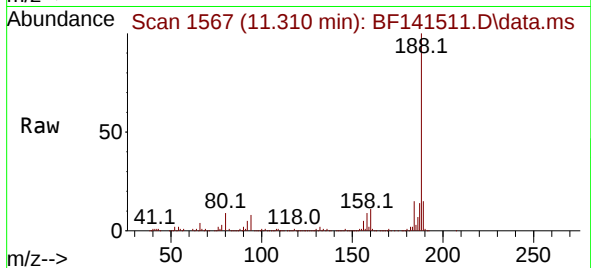
Tgt Ion: 172 Resp: 709067
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

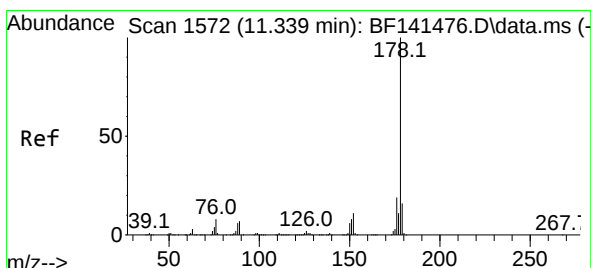
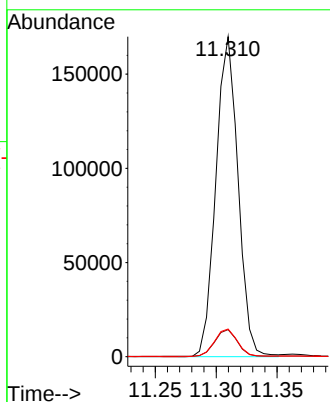
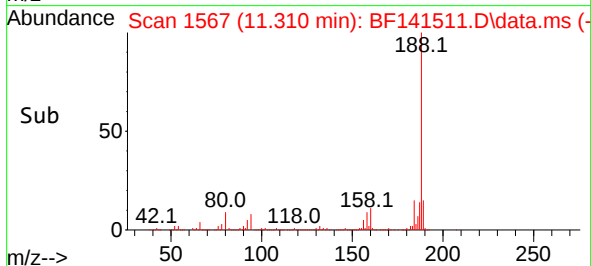
Instrument :
BNA_F
ClientSampleId :
WC-2



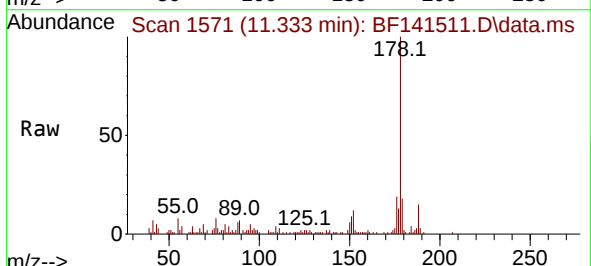
Tgt Ion:188 Resp: 21542
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 8.7 7.3 10.9

Manual Integrations
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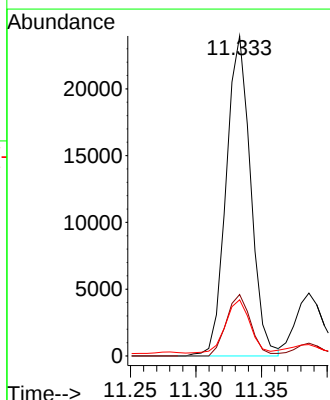
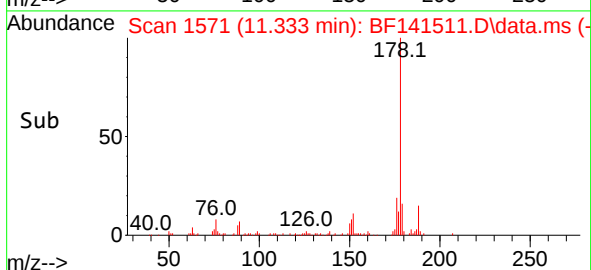
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

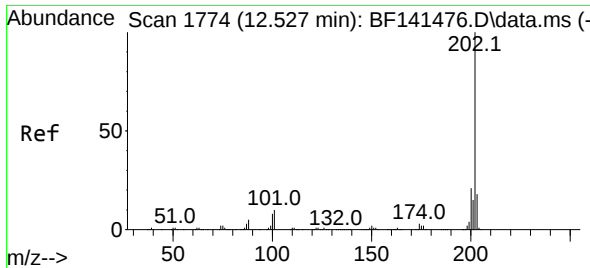


#71
Phenanthrene
Concen: 2.617 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50



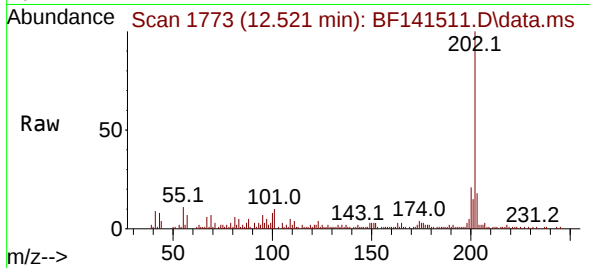
Tgt Ion:178 Resp: 31037
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 17.5 12.4 18.6





#75
Fluoranthene
Concen: 2.824 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50

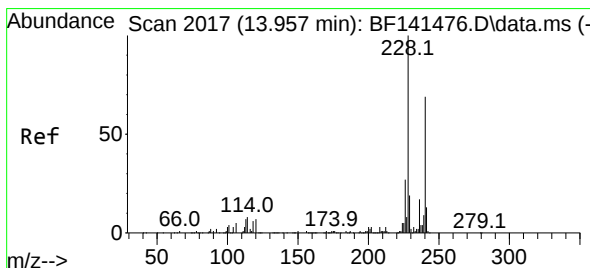
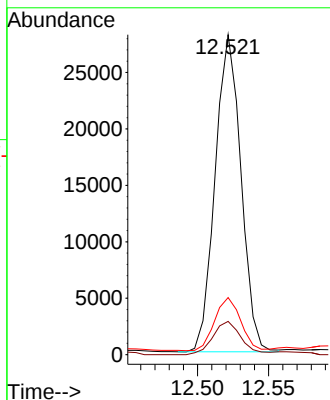
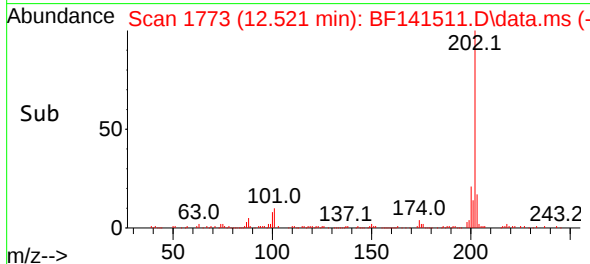
Instrument :
BNA_F
ClientSampleId :
WC-2



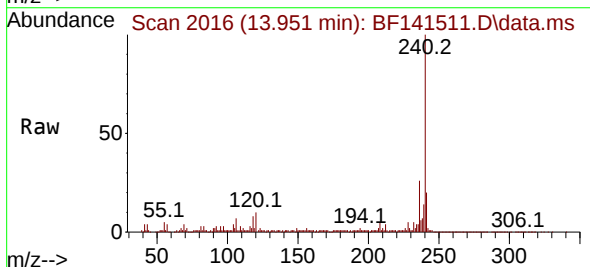
Tgt Ion:202 Resp: 3550
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.2
203 17.9 0.0 37.6

Manual Integrations
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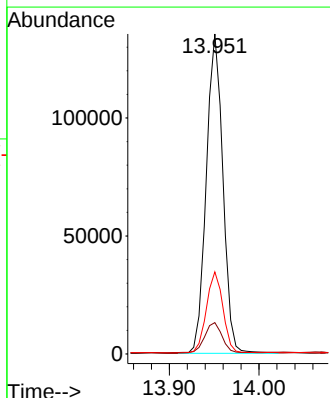
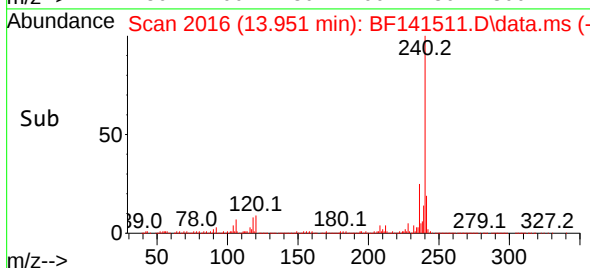
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

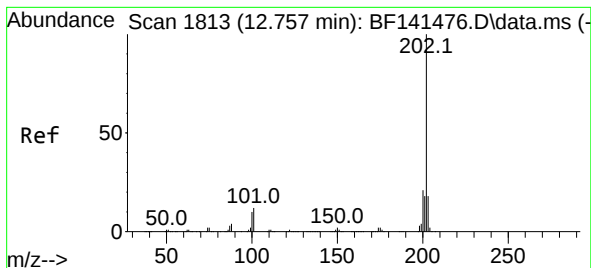


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141511.D
Acq: 07 Feb 2025 16:50



Tgt Ion:240 Resp: 174139
Ion Ratio Lower Upper
240 100
120 9.8 8.0 12.0
236 25.6 19.8 29.8





#78

Pyrene

Concen: 2.554 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

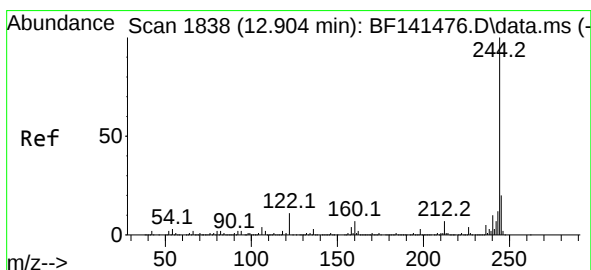
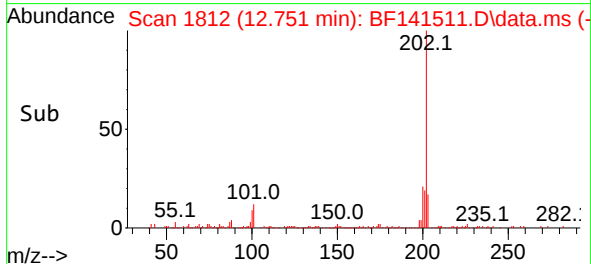
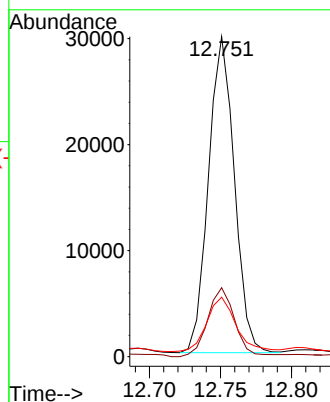
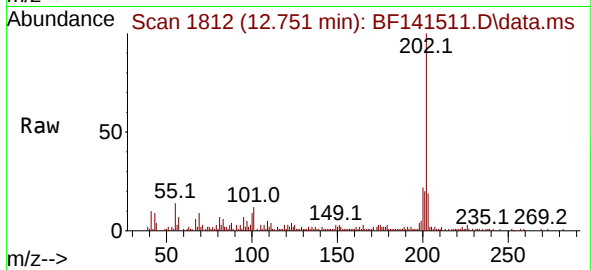
Tgt Ion:	202	Resp:	3786
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.0	25.4
203	18.6	14.3	21.5

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 55.102 ng

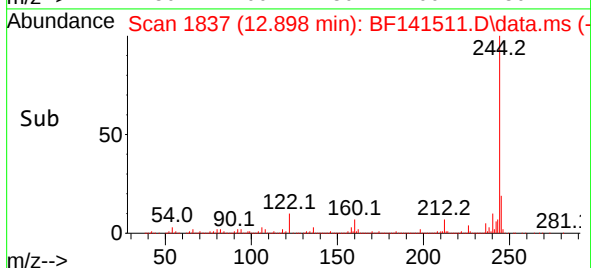
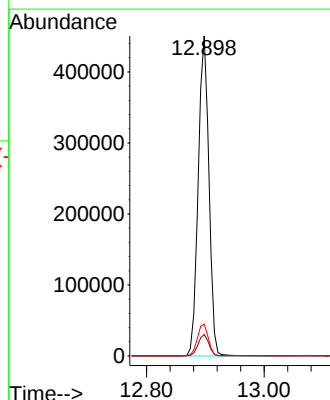
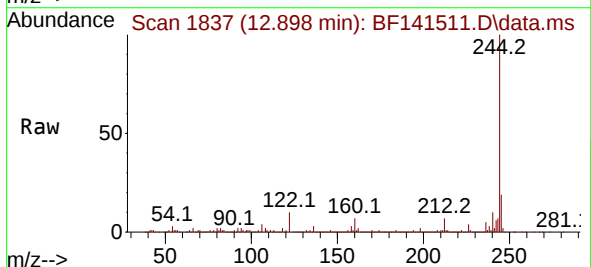
RT: 12.898 min Scan# 1837

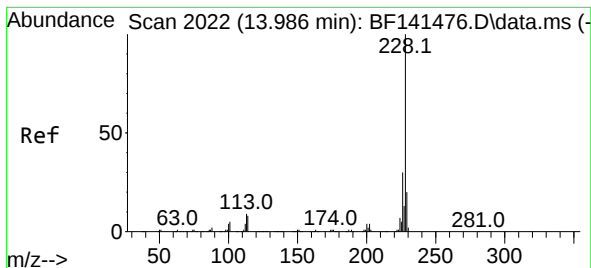
Delta R.T. -0.006 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Tgt Ion:	244	Resp:	568395
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.6	8.4
122	9.9	8.4	12.6





#83

Chrysene

Concen: 2.281 ng

RT: 13.974 min Scan# 2022

Delta R.T. -0.018 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

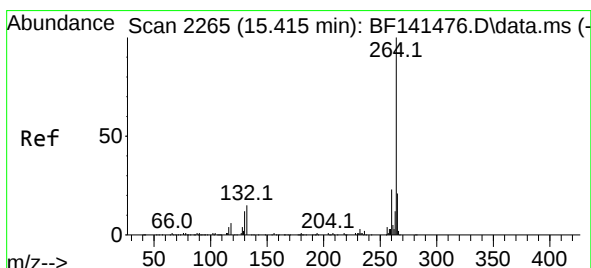
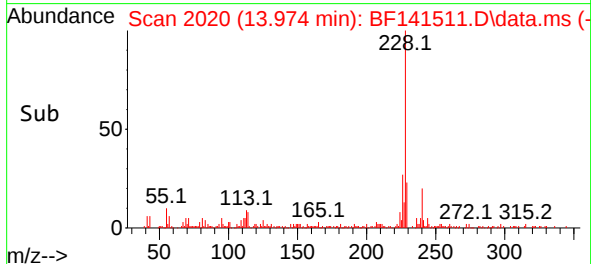
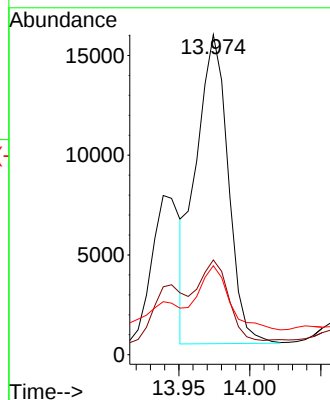
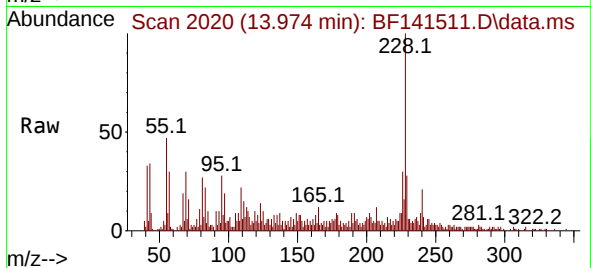
Tgt Ion:228	Resp: 2438
Ion Ratio	Lower Upper
228 100	
226 29.6	24.0 36.0
229 27.8	15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#86

Perylene-d12

Concen: 20.000 ng

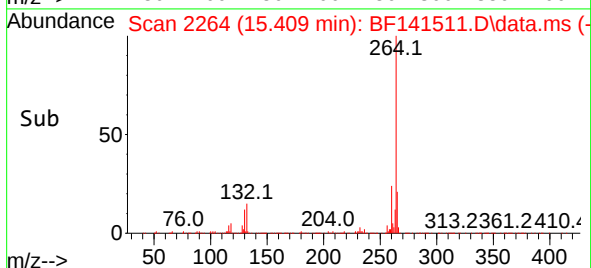
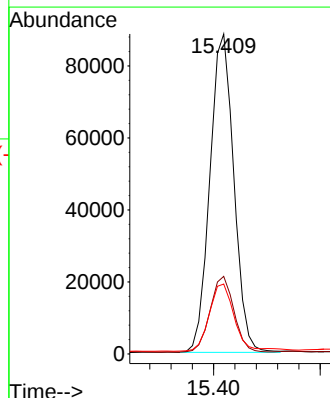
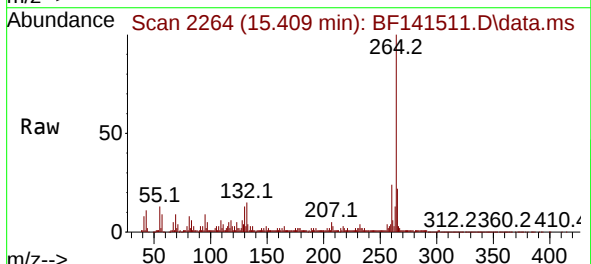
RT: 15.409 min Scan# 2264

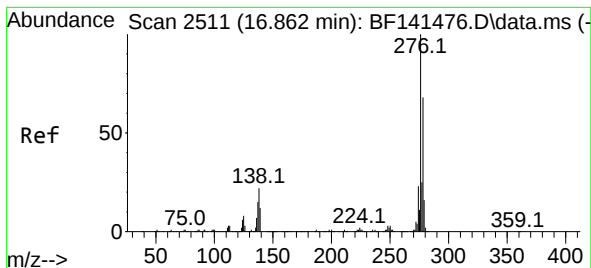
Delta R.T. -0.006 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Tgt Ion:264	Resp: 137838
Ion Ratio	Lower Upper
264 100	
260 24.2	18.6 28.0
265 21.8	17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.599 ng

RT: 16.839 min Scan# 2113

Delta R.T. -0.035 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

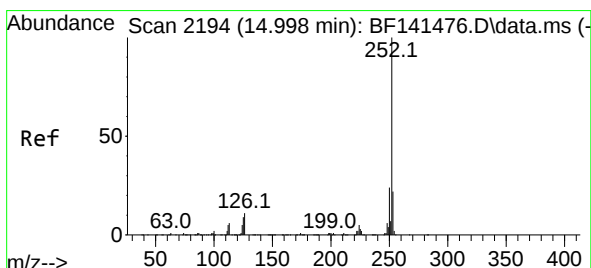
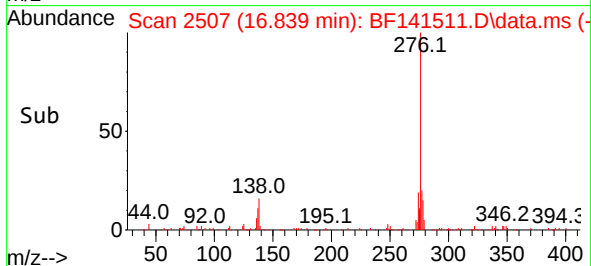
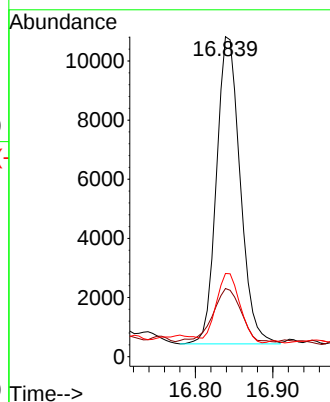
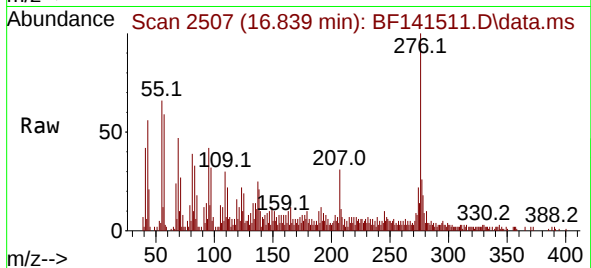
WC-2

Tgt Ion:276 Resp: 2213
 Ion Ratio Lower Upper
 276 100
 138 20.6 18.0 27.0
 277 22.7 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#88

Benzo(b)fluoranthene

Concen: 2.993 ng m

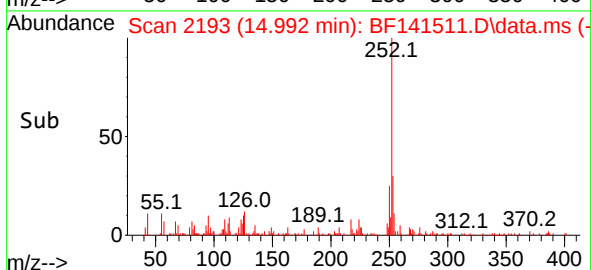
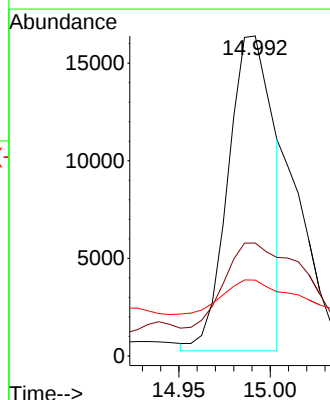
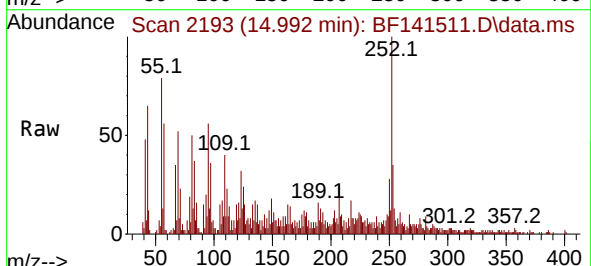
RT: 14.992 min Scan# 2193

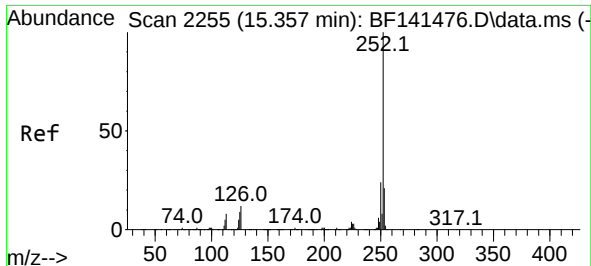
Delta R.T. -0.012 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Tgt Ion:252 Resp: 27705
 Ion Ratio Lower Upper
 252 100
 253 35.3 17.5 26.3#
 125 23.7 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 2.554 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Instrument :

BNA_F

ClientSampleId :

WC-2

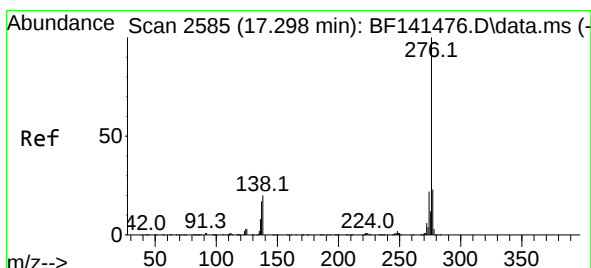
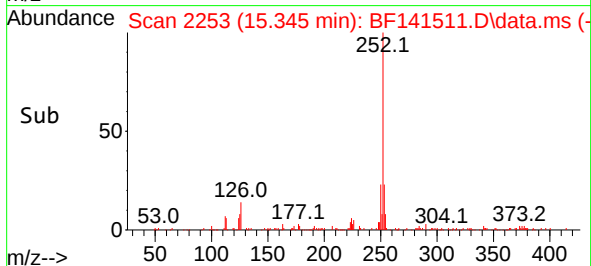
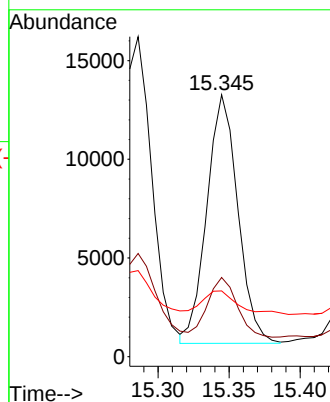
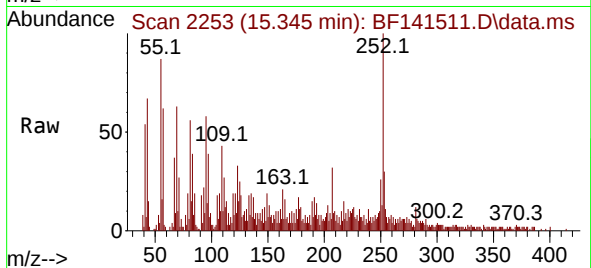
Tgt Ion:	252	Resp:	19120
Ion Ratio	Lower	Upper	
252	100		
253	30.3	17.1	25.7
125	25.1	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 5.332 ng

RT: 17.280 min Scan# 2582

Delta R.T. -0.035 min

Lab File: BF141511.D

Acq: 07 Feb 2025 16:50

Tgt Ion:	276	Resp:	38506
Ion Ratio	Lower	Upper	
276	100		
277	26.7	18.6	28.0
138	22.9	15.9	23.9

