

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141432.D
 Acq On : 05 Feb 2025 01:41
 Operator : RC/JU
 Sample : Q1281-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02--2-03-2025

Quant Time: Feb 05 02:13:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77638	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	301309	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	157157	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	232556	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	164734	20.000	ng	#-0.02
86) Perylene-d12	15.416	264	128615	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	425973	84.231	ng	0.00
7) Phenol-d6	6.428	99	526532	81.844	ng	-0.01
23) Nitrobenzene-d5	7.351	82	346944	60.701	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	119144	82.695	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	609123	59.657	ng	-0.02
79) Terphenyl-d14	12.904	244	521181	48.791	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	24432	2.557	ng	98
58) Fluorene	10.375	166	30423	3.067	ng	98
71) Phenanthrene	11.339	178	285014	22.800	ng	100
72) Anthracene	11.386	178	69590	5.681	ng	98
73) Carbazole	11.545	167	27378	2.521	ng	# 94
75) Fluoranthene	12.527	202	358279	29.026	ng	97
78) Pyrene	12.757	202	303421	19.188	ng	98
81) Benzo(a)anthracene	13.951	228	147886	13.009	ng	95
83) Chrysene	13.986	228	109075	10.470	ng	96
87) Indeno(1,2,3-cd)pyrene	16.851	276	39552m	4.765	ng	
88) Benzo(b)fluoranthene	14.992	252	125143m	15.468	ng	
89) Benzo(k)fluoranthene	15.010	252	42661m	5.952	ng	
90) Benzo(a)pyrene	15.351	252	82818	12.114	ng	97
92) Benzo(g,h,i)perylene	17.286	276	39390	5.672	ng	95

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

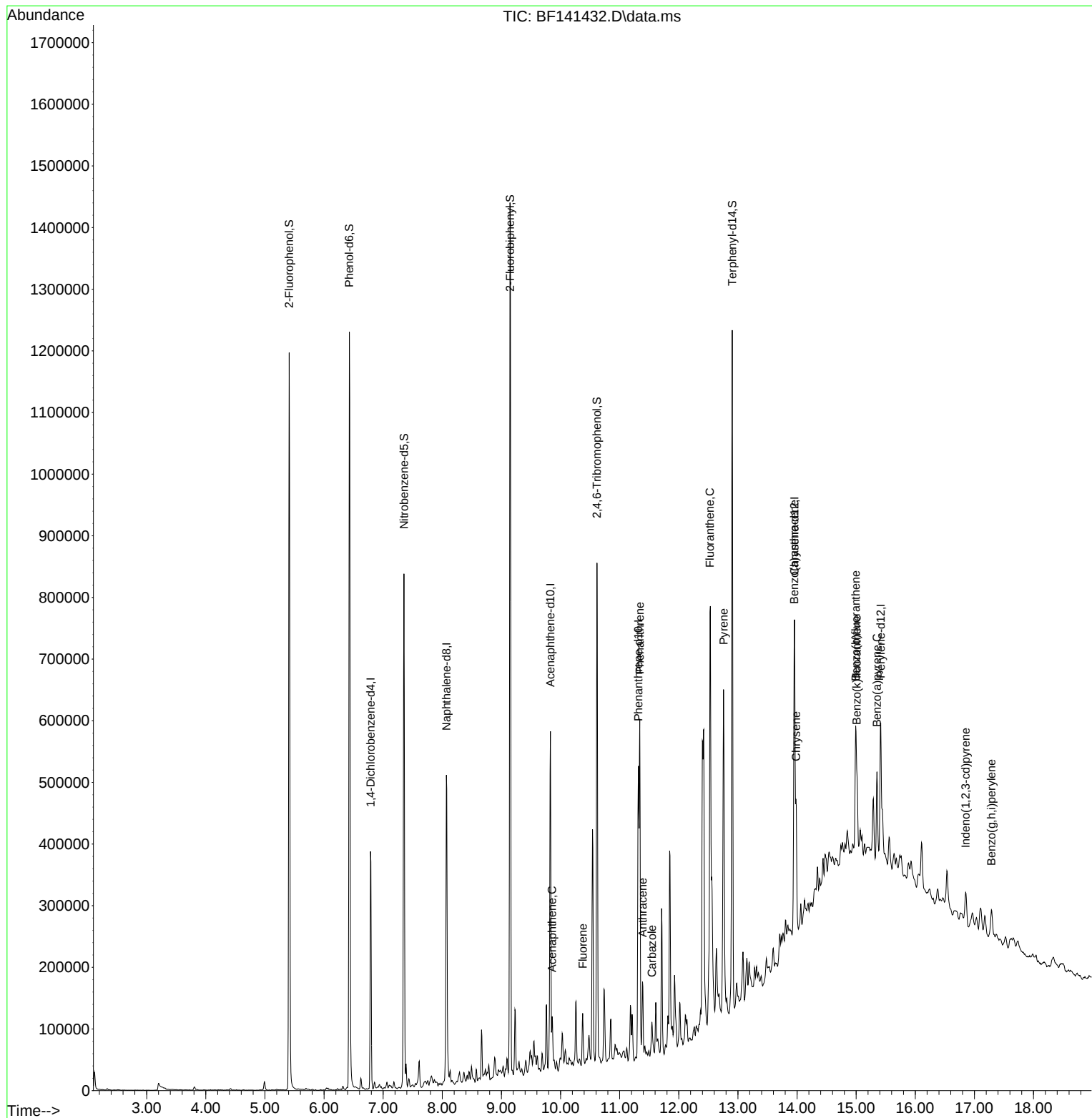
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
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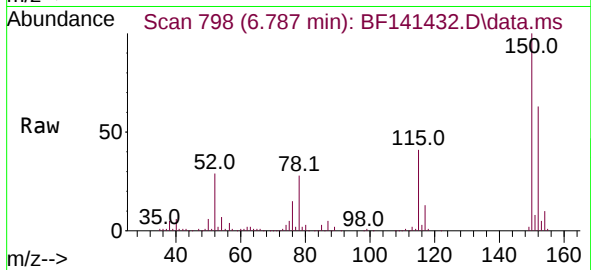
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

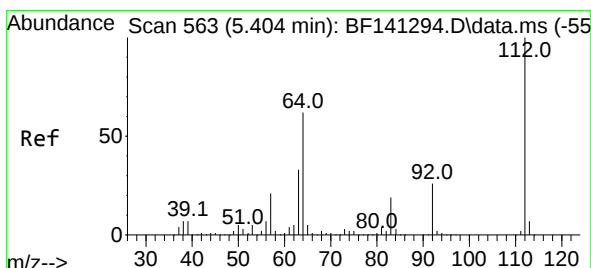
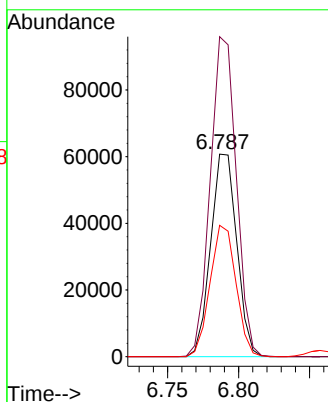
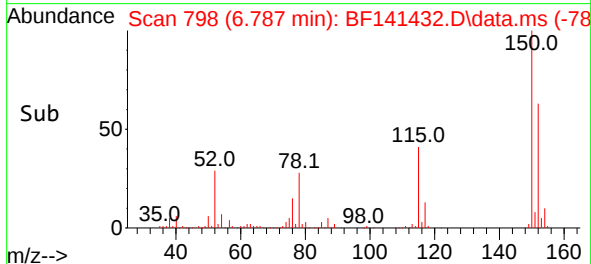
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025



Tgt Ion:152 Resp: 77638
Ion Ratio Lower Upper
152 100
150 157.9 125.9 188.9
115 64.8 49.7 74.5

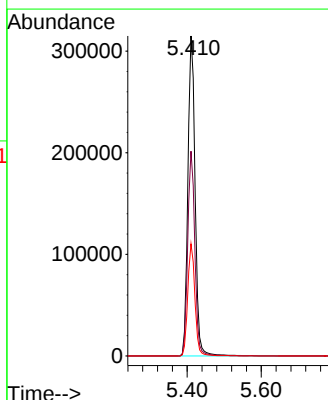
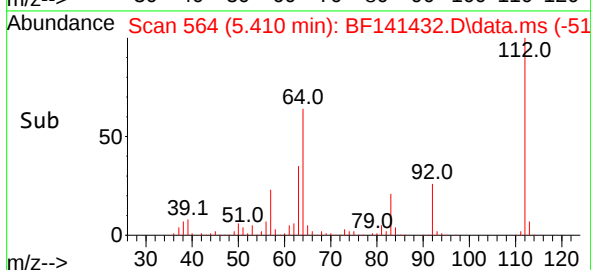
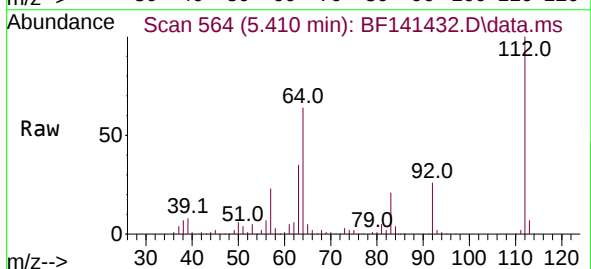
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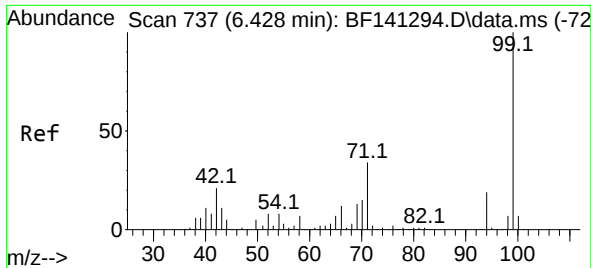
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#5
2-Fluorophenol
Concen: 84.231 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

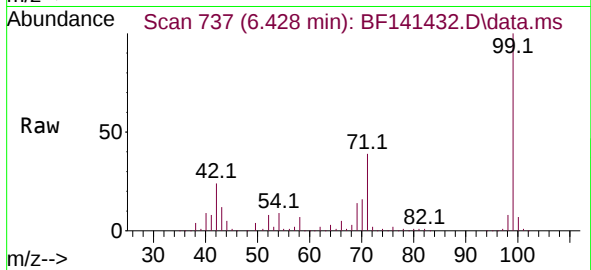
Tgt Ion:112 Resp: 425973
Ion Ratio Lower Upper
112 100
64 64.0 49.8 74.8
63 35.1 26.1 39.1





#7
Phenol-d6
Concen: 81.844 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

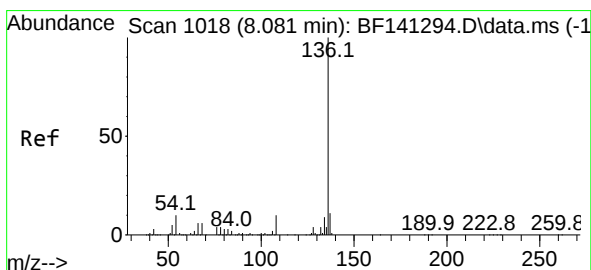
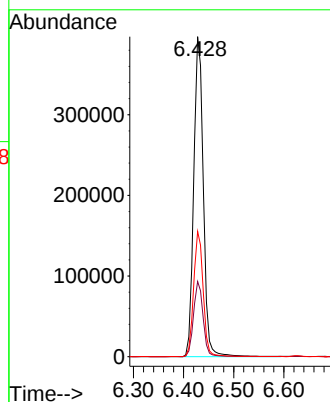
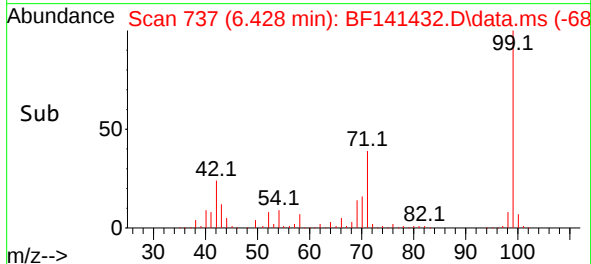
Instrument :
BNA_F
ClientSampleId :
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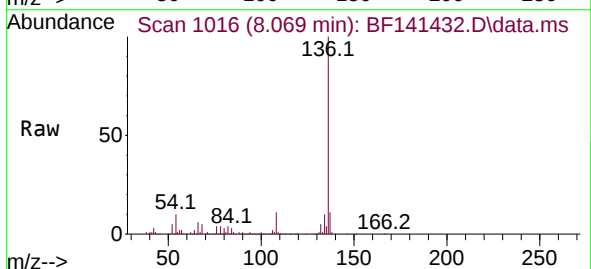
Tgt Ion: 99 Resp: 52653
Ion Ratio Lower Upper
99 100
42 23.5 17.1 25.7
71 39.1 26.9 40.3

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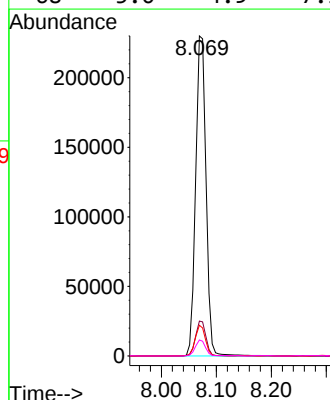
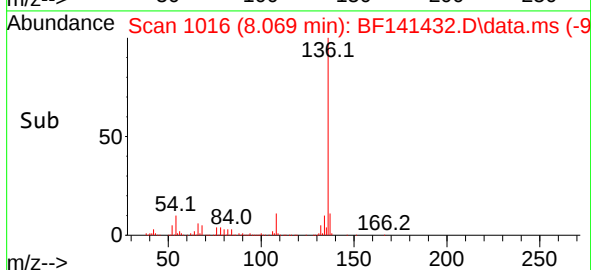
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

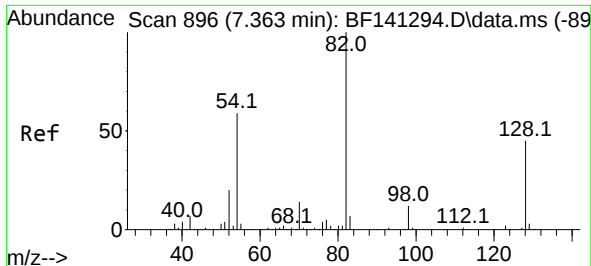


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41



Tgt Ion:136 Resp: 301309
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 7.8 11.8
68 5.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 60.701 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

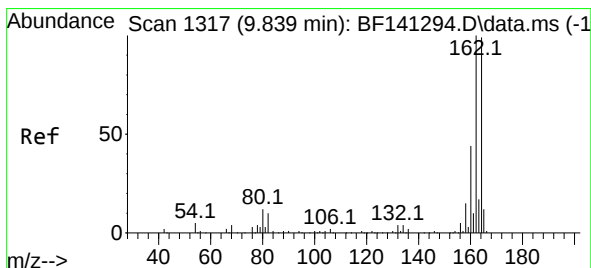
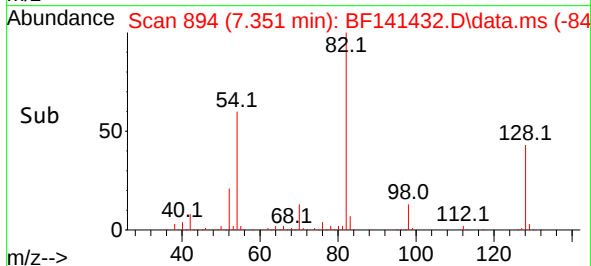
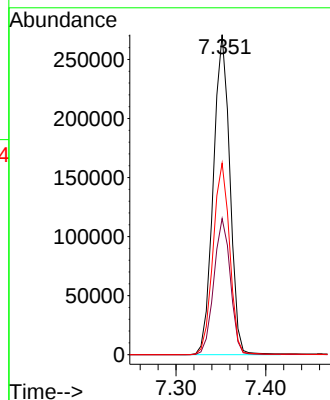
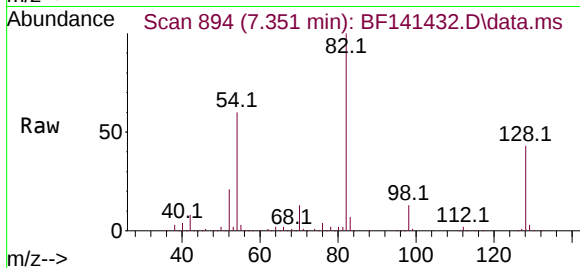
ClientSampleId :

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Tgt Ion: 82 Resp: 346944
Ion Ratio Lower Upper
82 100
128 42.5 35.7 53.5
54 59.8 47.1 70.7

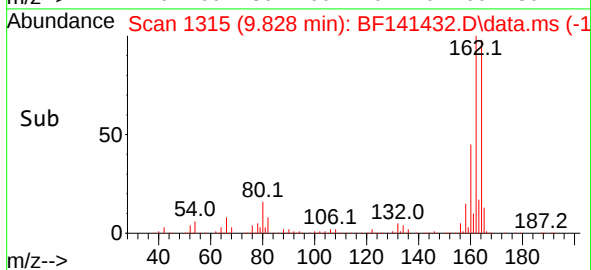
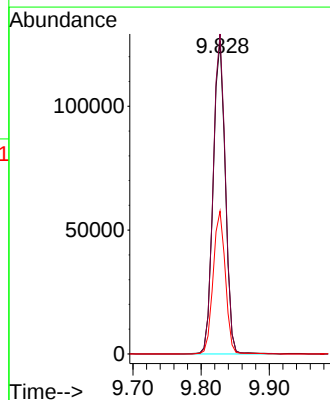
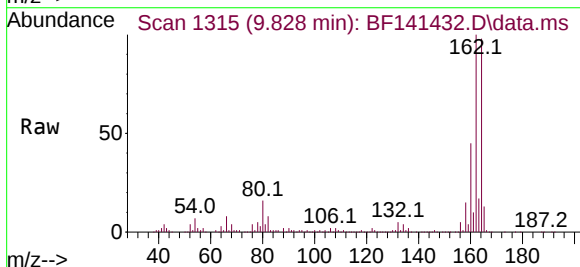
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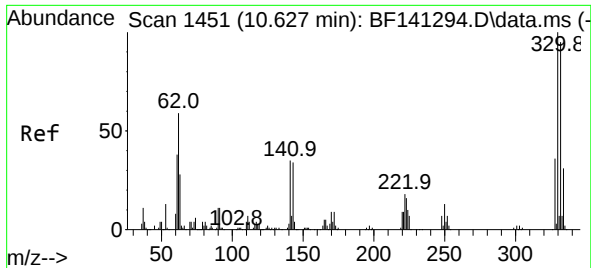
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

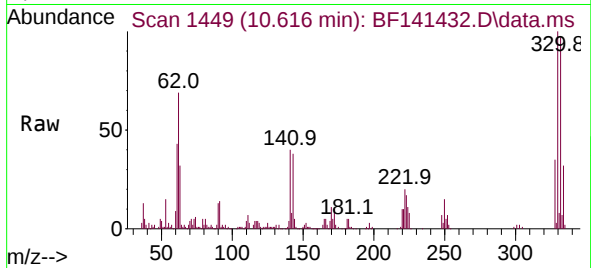
Tgt Ion:164 Resp: 157157
Ion Ratio Lower Upper
164 100
162 102.2 80.6 121.0
160 45.6 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 82.695 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

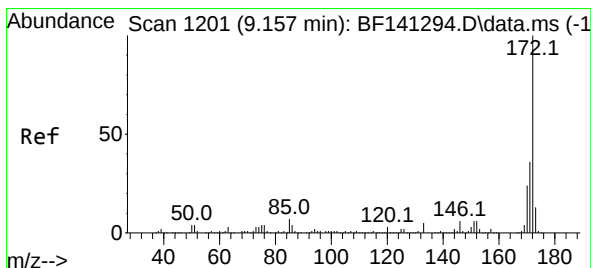
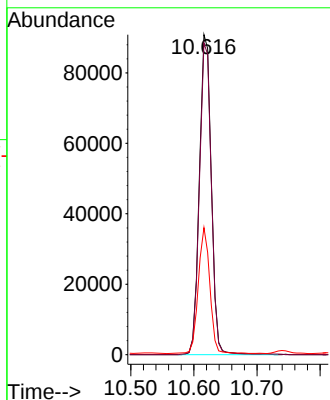
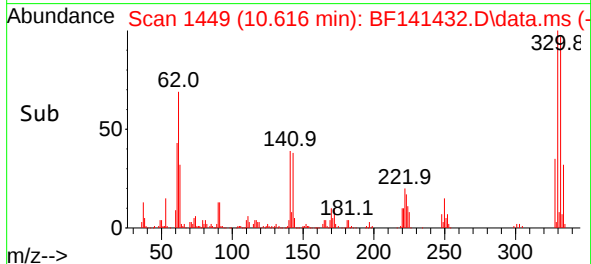
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OR-02--2-03-2025



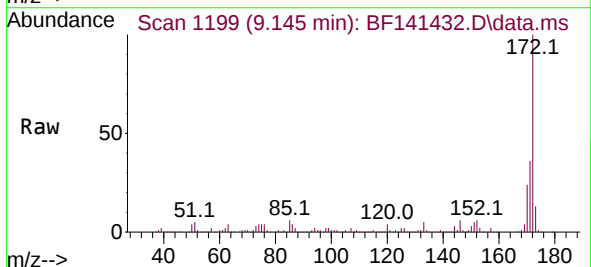
Tgt Ion: 330 Resp: 119144
Ion Ratio Lower Upper
330 100
332 97.0 76.1 114.1
141 38.0 28.8 43.2

Manual Integrations
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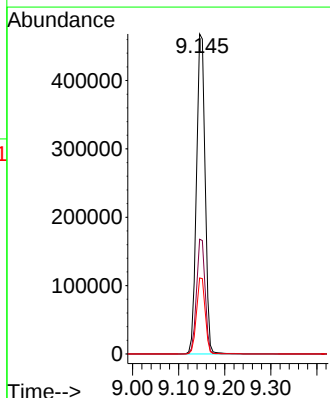
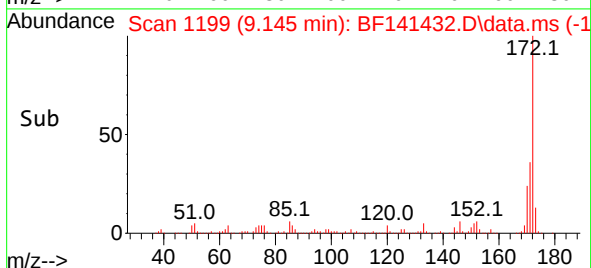
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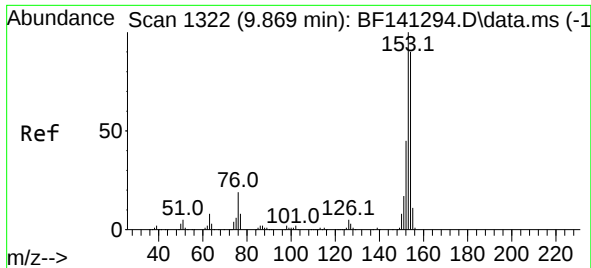


#45
2-Fluorobiphenyl
Concen: 59.657 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41



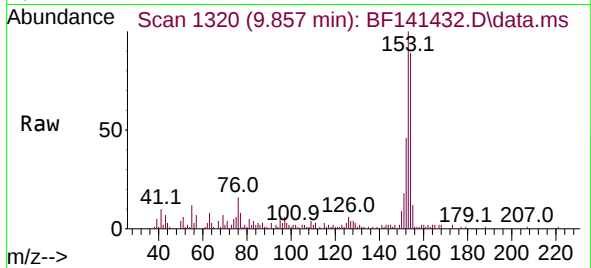
Tgt Ion: 172 Resp: 609123
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.7 19.0 28.6





#52
Acenaphthene
Concen: 2.557 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

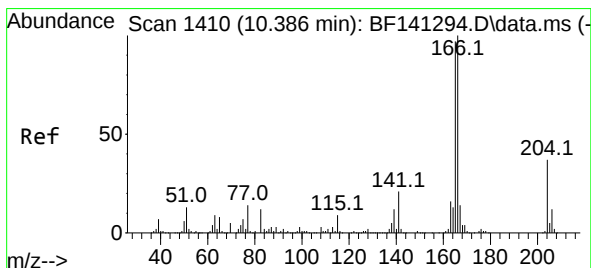
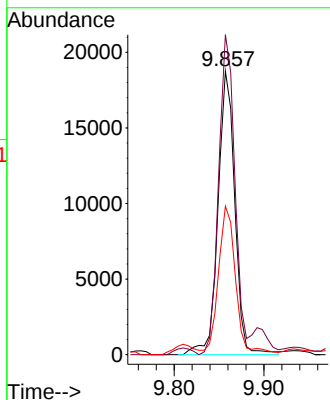
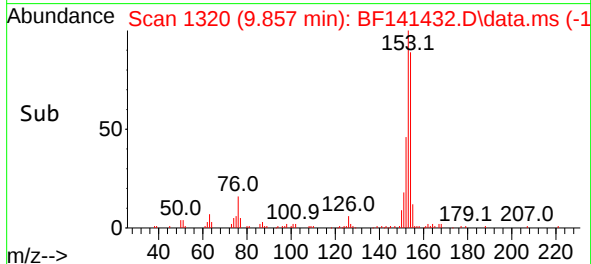
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OR-02--2-03-2025



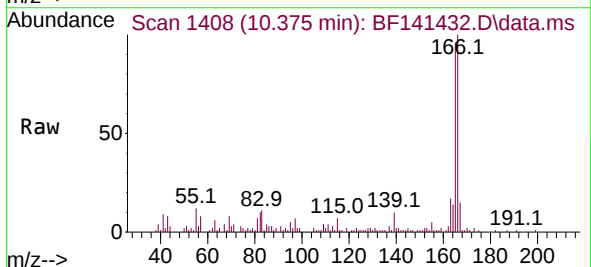
Tgt Ion:154 Resp: 2443
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.4
152 52.4 40.2 60.4

Manual Integrations
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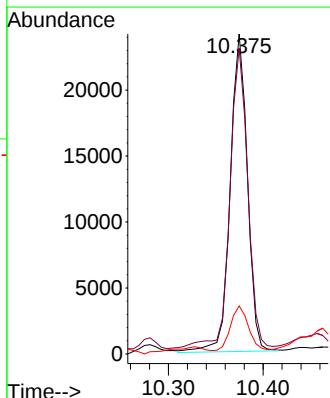
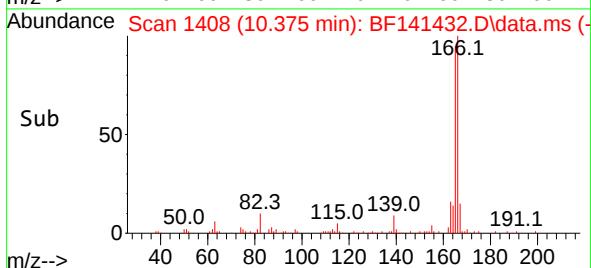
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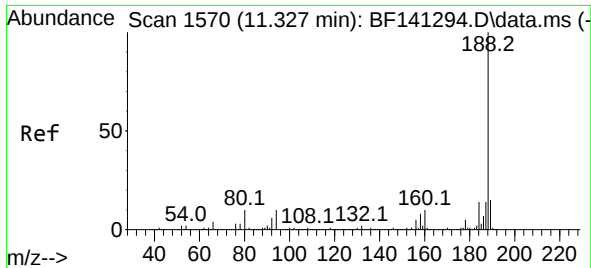


#58
Fluorene
Concen: 3.067 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41



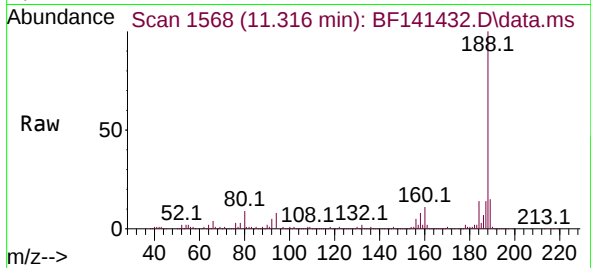
Tgt Ion:166 Resp: 30423
Ion Ratio Lower Upper
166 100
165 95.6 77.5 116.3
167 15.0 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

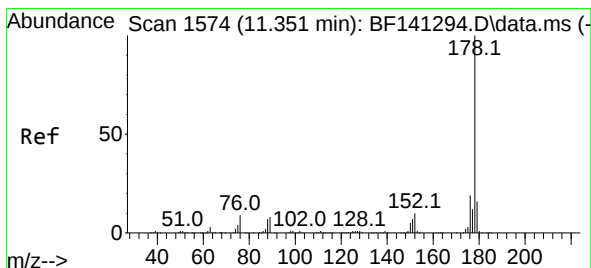
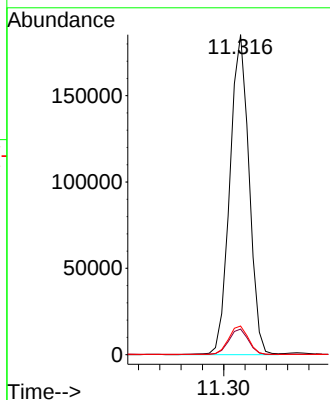
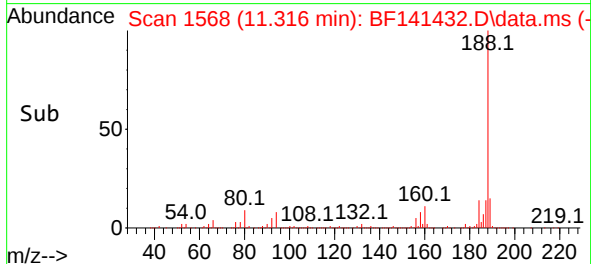
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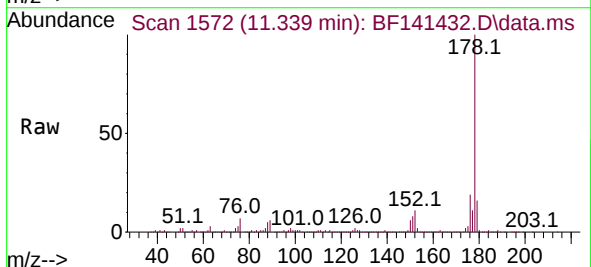
Tgt Ion:188 Resp: 232550
Ion Ratio Lower Upper
188 100
94 8.0 7.8 11.6
80 9.0 8.2 12.4

Manual Integrations
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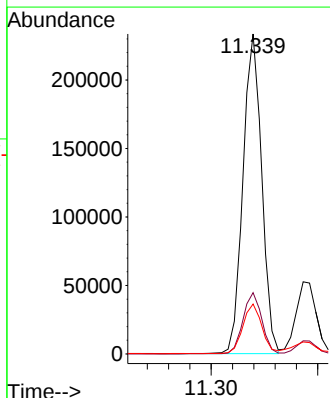
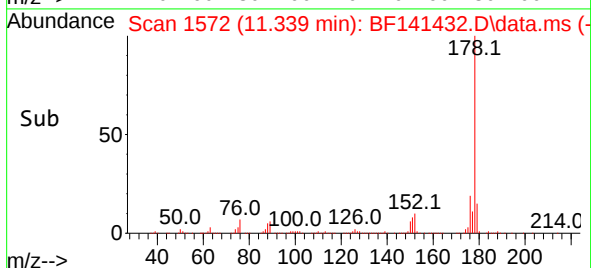
Reviewed By :Yogesh Patel 02/05/2025
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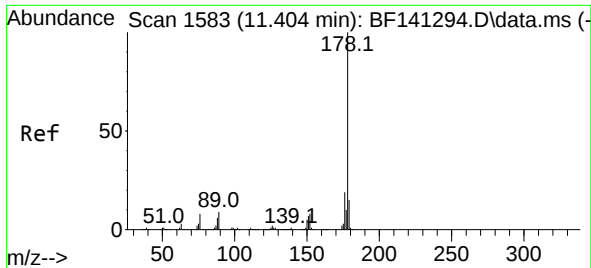


#71
Phenanthrene
Concen: 22.800 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41



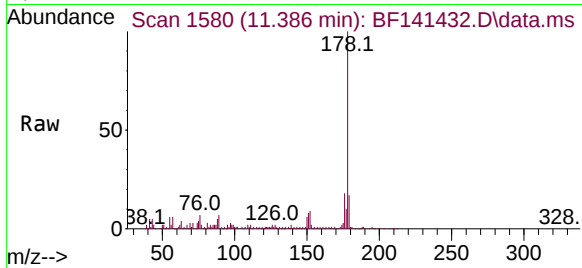
Tgt Ion:178 Resp: 285014
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7





#72
 Anthracene
 Concen: 5.681 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

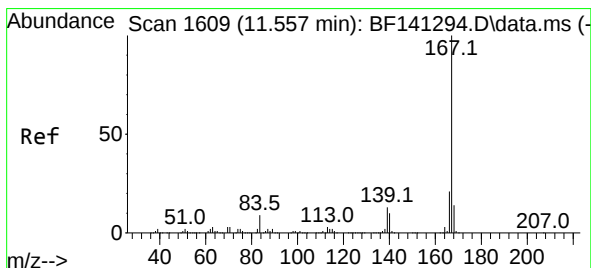
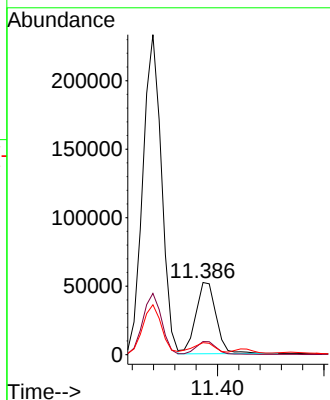
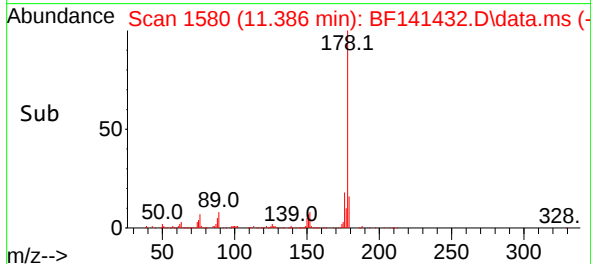
Instrument :
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 OR-02--2-03-2025



Tgt Ion:178 Resp: 69590
 Ion Ratio Lower Upper
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 176 18.2 15.0 22.6
 179 16.6 12.3 18.5

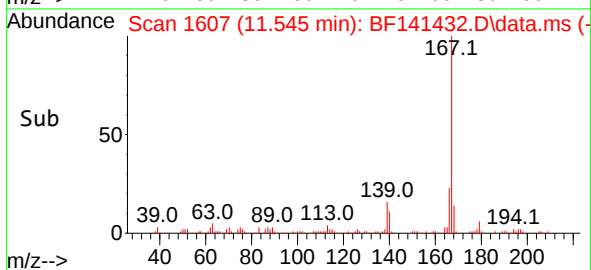
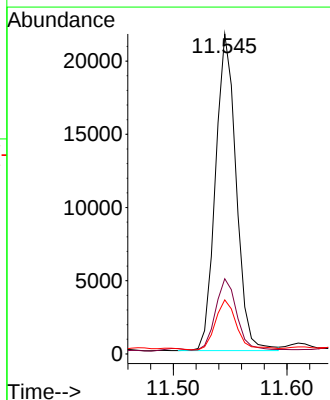
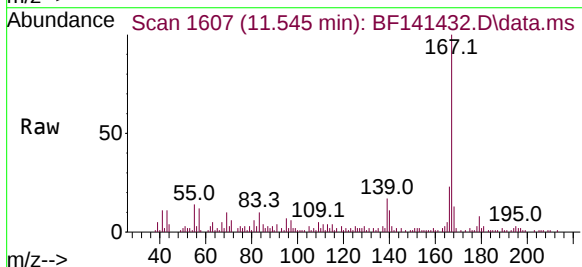
Manual Integrations
 APPROVED

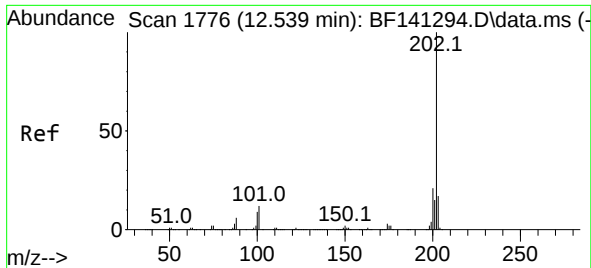
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#73
 Carbazole
 Concen: 2.521 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.012 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

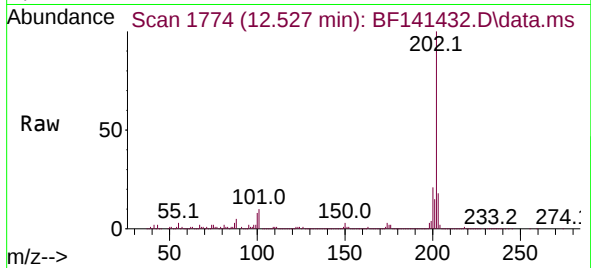
Tgt Ion:167 Resp: 27378
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.0 25.6
 139 16.9 10.6 16.0#





#75
Fluoranthene
Concen: 29.026 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

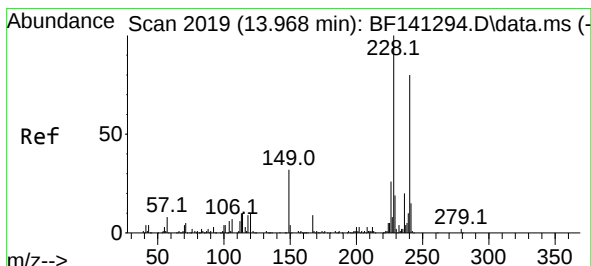
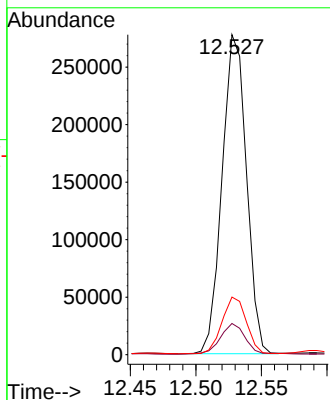
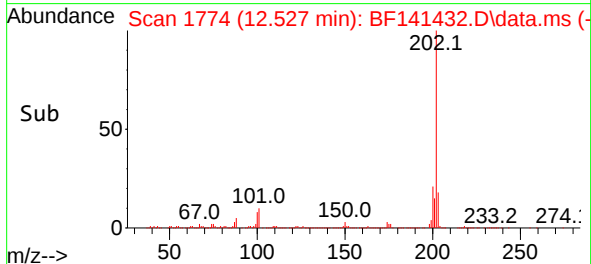
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025



Tgt Ion:202 Resp: 358279
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.7
203 18.0 0.0 37.5

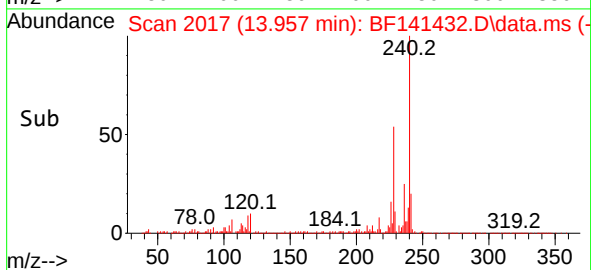
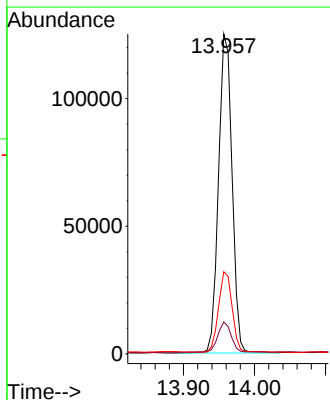
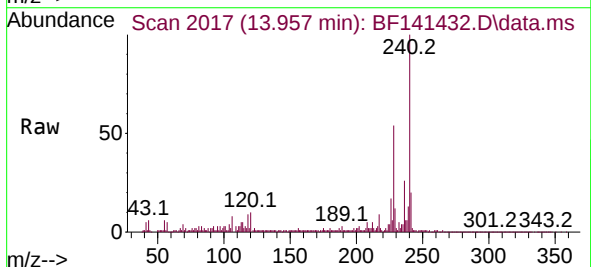
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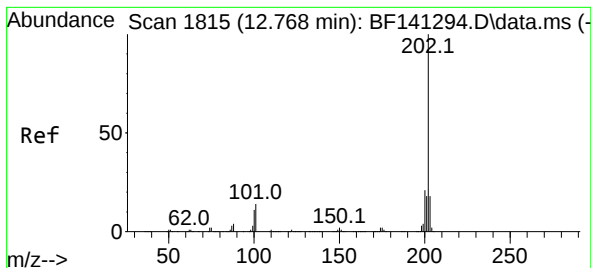
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:240 Resp: 164734
Ion Ratio Lower Upper
240 100
120 10.0 10.0 15.0#
236 25.7 19.7 29.5





#78

Pyrene

Concen: 19.188 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

ClientSampleId :

OR-02--2-03-2025

Tgt Ion:202 Resp: 30342

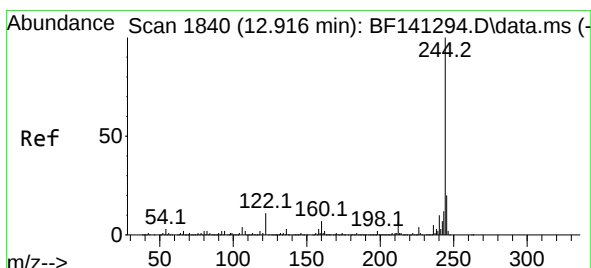
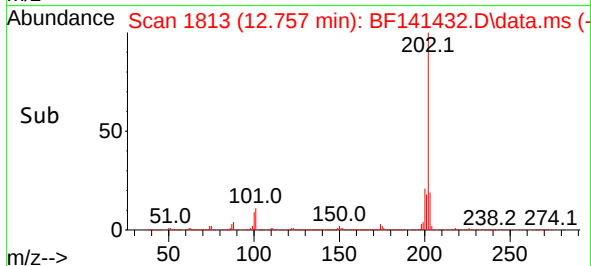
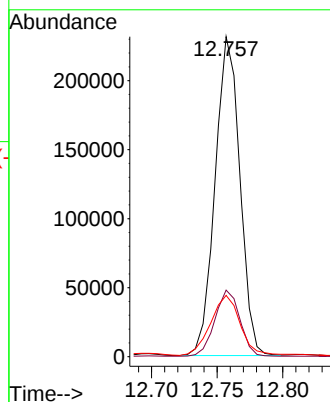
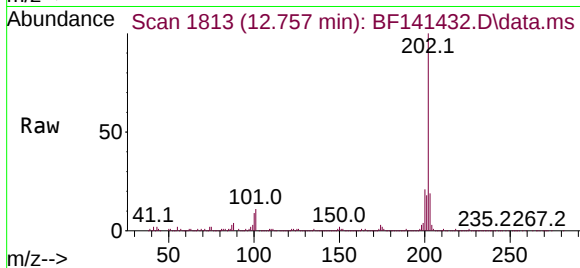
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	19.2	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#79

Terphenyl-d14

Concen: 48.791 ng

RT: 12.904 min Scan# 1838

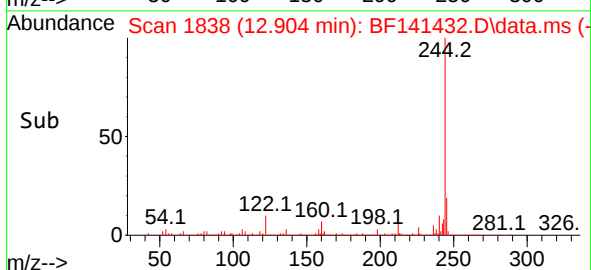
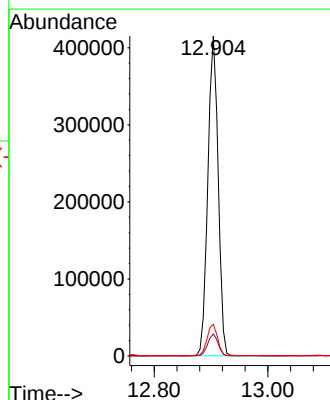
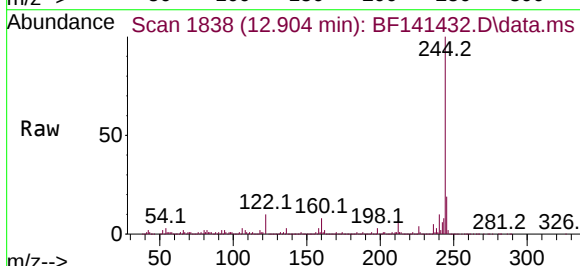
Delta R.T. -0.012 min

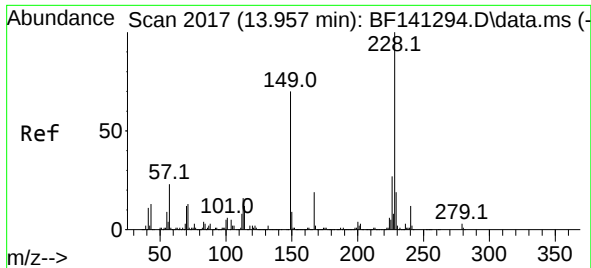
Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Tgt Ion:244 Resp: 521181

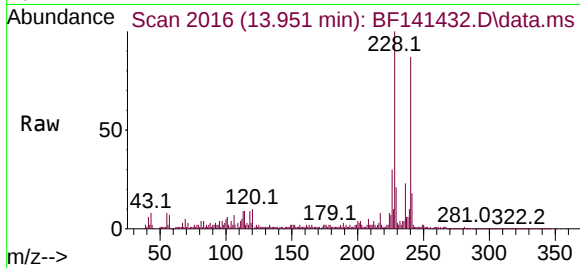
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.9	8.8	13.2





#81
Benzo(a)anthracene
Concen: 13.009 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

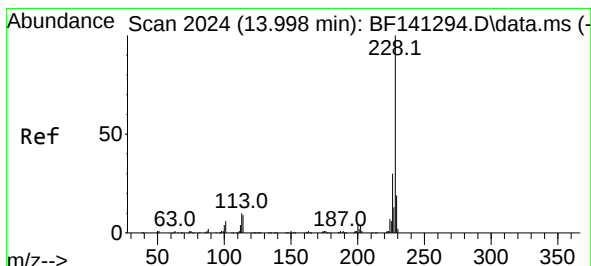
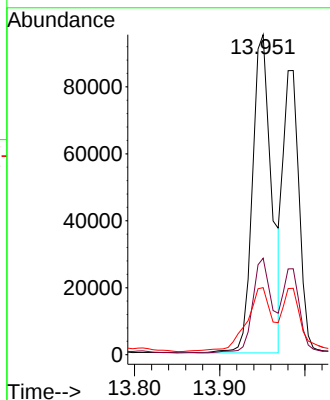
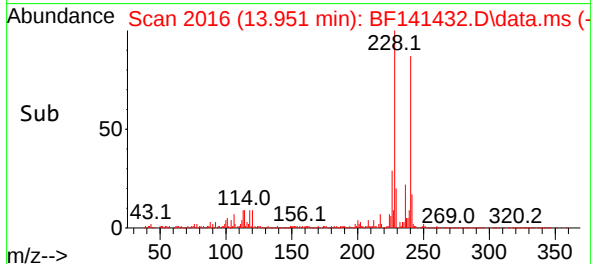
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025



Tgt Ion:228 Resp: 147880
Ion Ratio Lower Upper
228 100
226 30.1 21.4 32.2
229 21.0 15.5 23.3

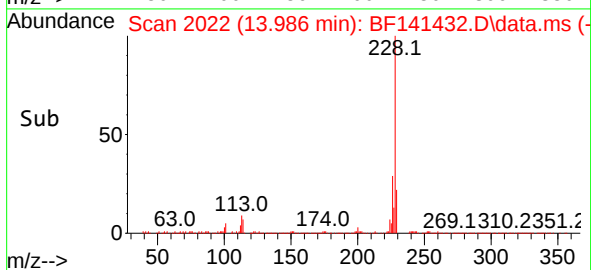
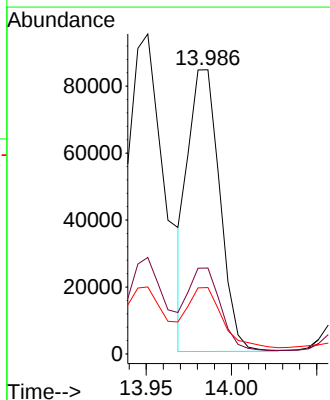
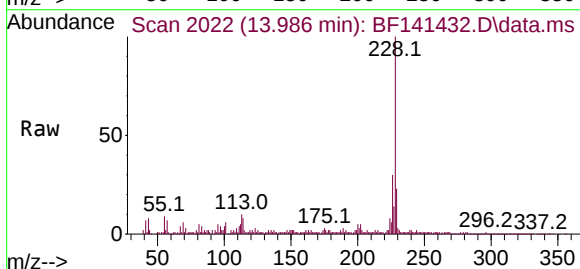
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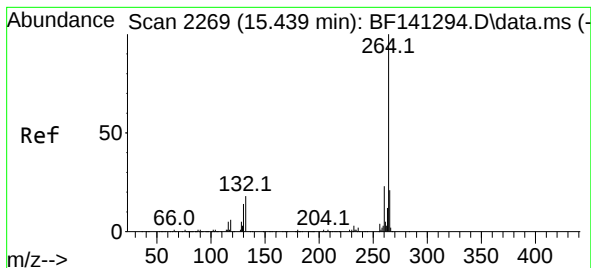
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#83
Chrysene
Concen: 10.470 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:228 Resp: 109075
Ion Ratio Lower Upper
228 100
226 30.3 24.1 36.1
229 23.4 15.6 23.4





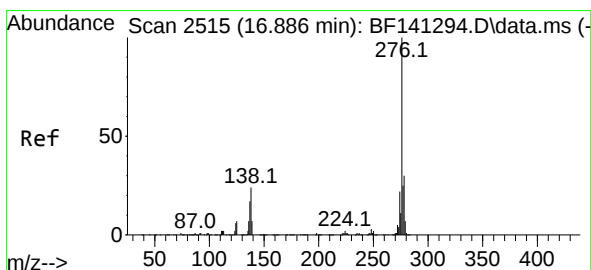
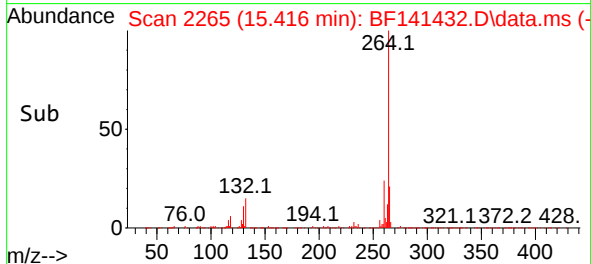
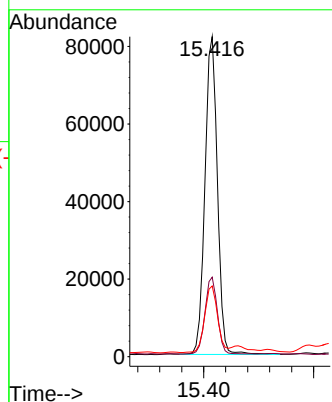
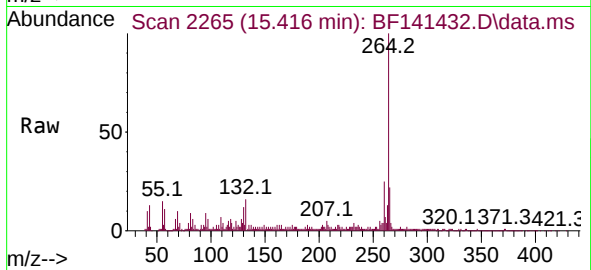
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

Tgt Ion:264 Resp: 12861
Ion Ratio Lower Upper
264 100
260 24.8 18.6 27.8
265 22.1 16.7 25.1

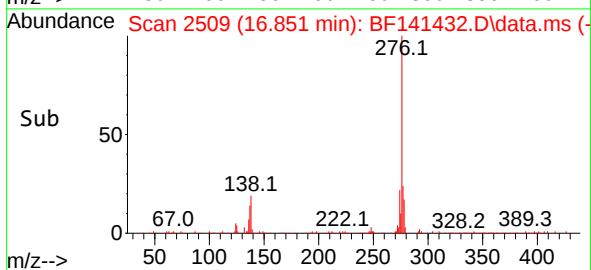
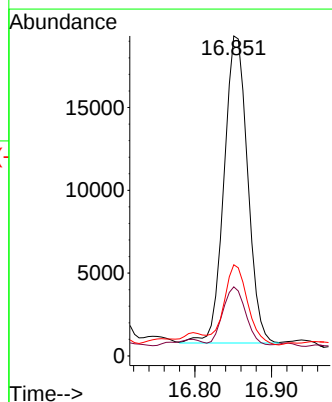
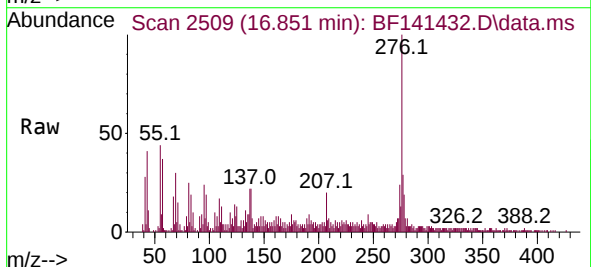
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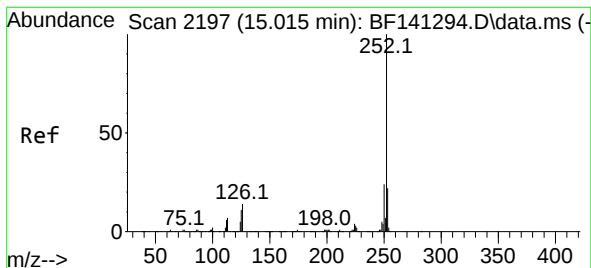
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.765 ng m
RT: 16.851 min Scan# 2509
Delta R.T. -0.047 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:276 Resp: 39552
Ion Ratio Lower Upper
276 100
138 4.5 21.7 32.5#
277 4.7 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 15.468 ng m

RT: 14.992 min Scan# 2196

Delta R.T. -0.029 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

ClientSampleId :

OR-02--2-03-2025

Tgt Ion:252 Resp: 12514

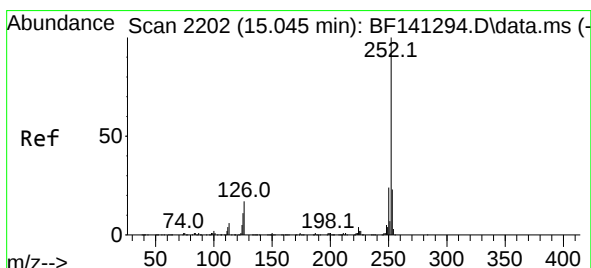
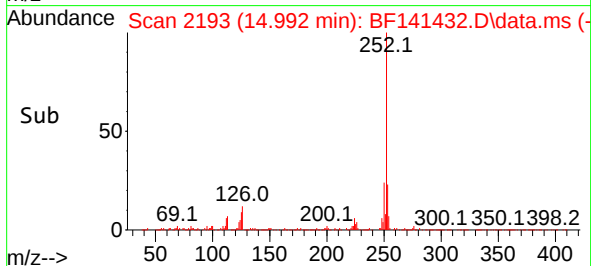
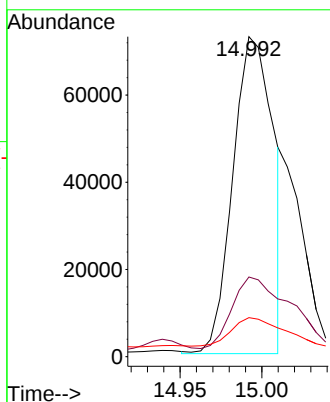
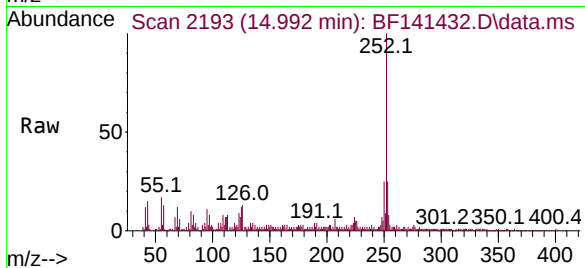
Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.2
125	12.2	8.6	12.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#89

Benzo(k)fluoranthene

Concen: 5.952 ng m

RT: 15.010 min Scan# 2196

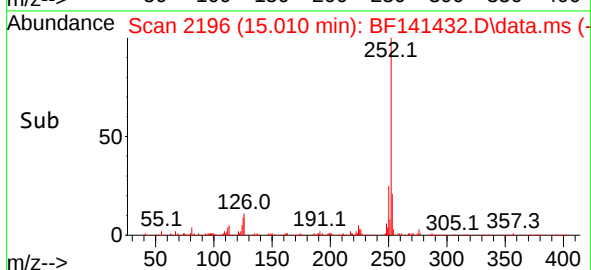
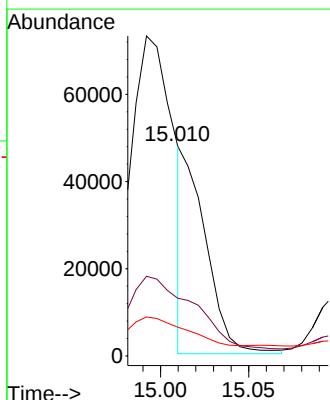
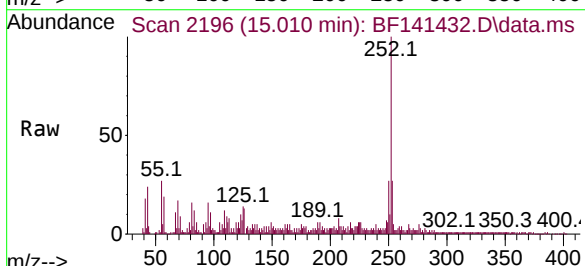
Delta R.T. -0.041 min

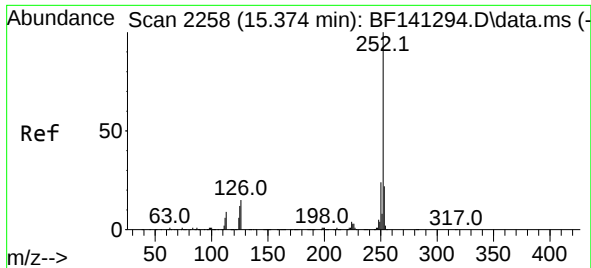
Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Tgt Ion:252 Resp: 42661

Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.6	26.4#
125	13.7	8.4	12.6#





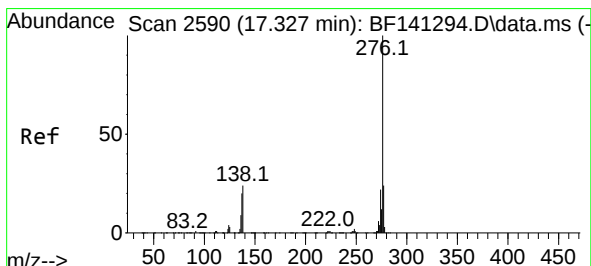
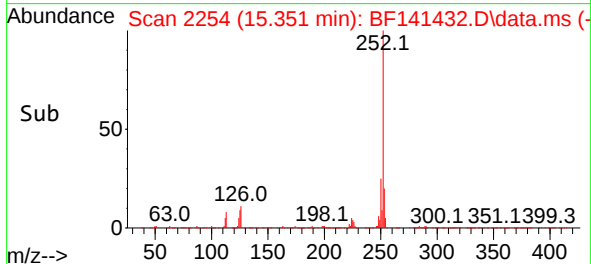
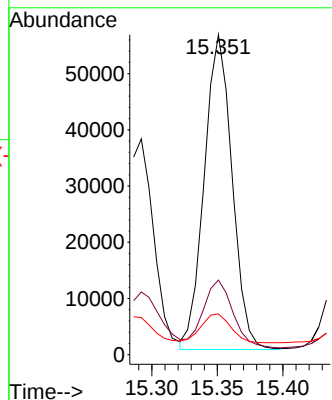
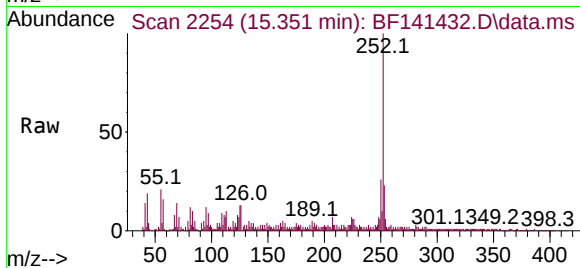
#90
Benzo(a)pyrene
Concen: 12.114 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

Tgt Ion:252 Resp: 82818
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 12.7 9.4 14.2

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Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#92
Benzo(g,h,i)perylene
Concen: 5.672 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.059 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:276 Resp: 39390
Ion Ratio Lower Upper
276 100
277 26.9 19.2 28.8
138 21.8 19.0 28.4

