

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141469.D
 Acq On : 06 Feb 2025 00:59
 Operator : RC/JU
 Sample : Q1288-04 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-020425

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:52:52 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	56181	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	201329	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	98295	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	170165	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	121887	20.000	ng	#-0.02
86) Perylene-d12	15.415	264	92496	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	65206	17.818	ng	0.00
7) Phenol-d6	6.428	99	75350	16.186	ng	-0.01
23) Nitrobenzene-d5	7.351	82	47371	12.404	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	16290	18.077	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	83483	13.073	ng	-0.02
79) Terphenyl-d14	12.904	244	99078	12.536	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	53151	5.811	ng	99
75) Fluoranthene	12.527	202	115796	12.821	ng	96
78) Pyrene	12.757	202	109497	9.359	ng	99
81) Benzo(a)anthracene	13.945	228	47238	5.616	ng	95
83) Chrysene	13.980	228	42129m	5.465	ng	
87) Indeno(1,2,3-cd)pyrene	16.851	276	15350	2.571	ng	# 93
88) Benzo(b)fluoranthene	14.998	252	41731m	7.172	ng	
89) Benzo(k)fluoranthene	15.010	252	14656m	2.843	ng	
90) Benzo(a)pyrene	15.351	252	28856	5.869	ng	93
92) Benzo(g,h,i)perylene	17.286	276	15177	3.039	ng	96

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

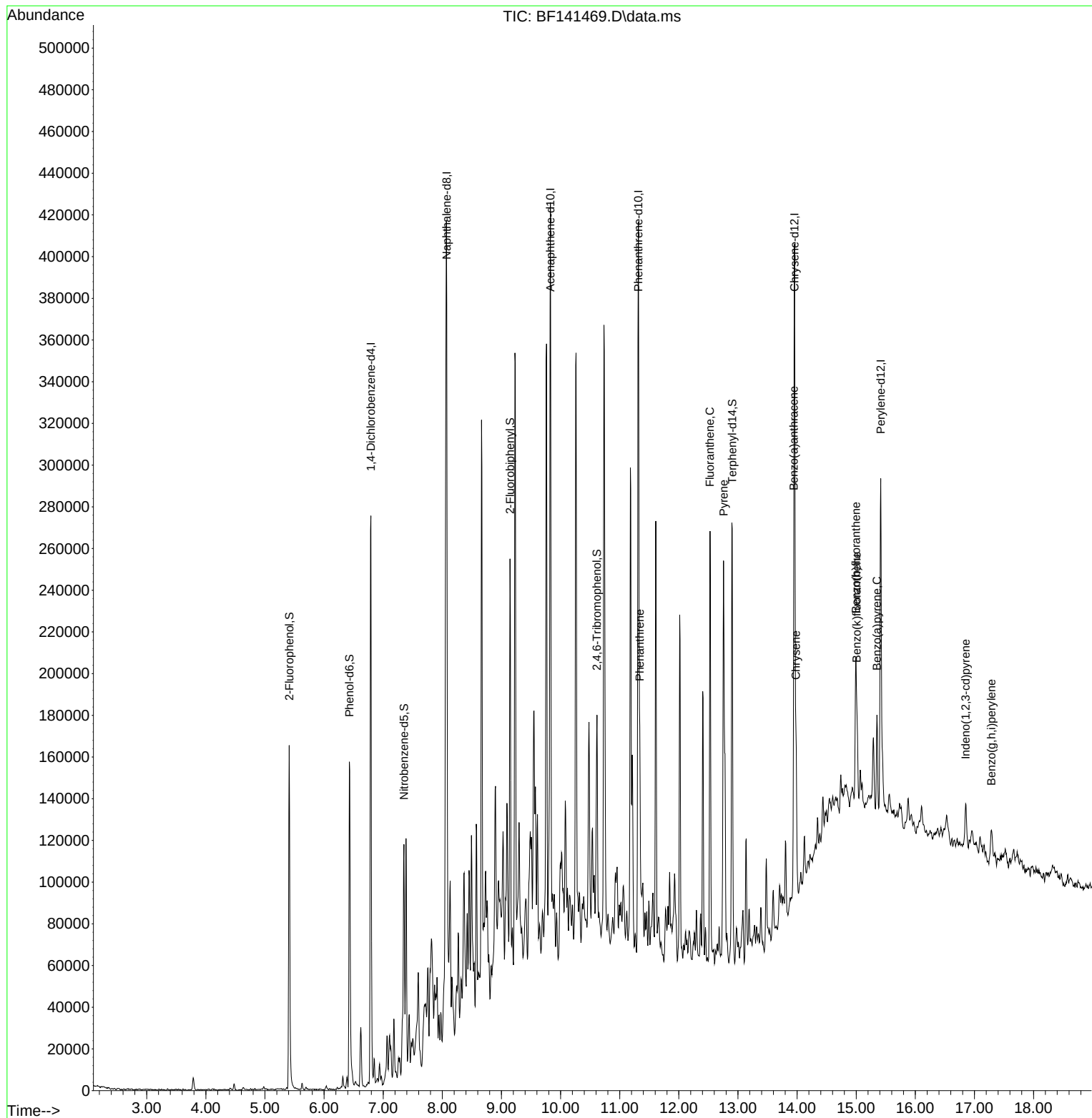
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141469.D
Acq On : 06 Feb 2025 00:59
Operator : RC/JU
Sample : Q1288-04 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

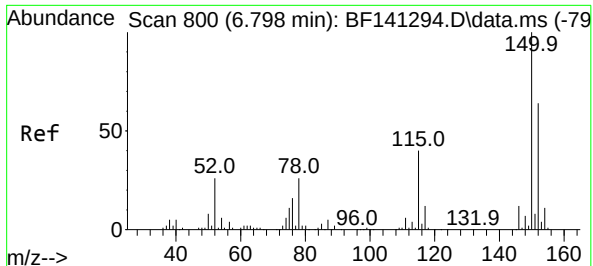
Instrument :
BNA_F
ClientSampleId :
HR-04-020425

Quant Time: Feb 06 01:52:52 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

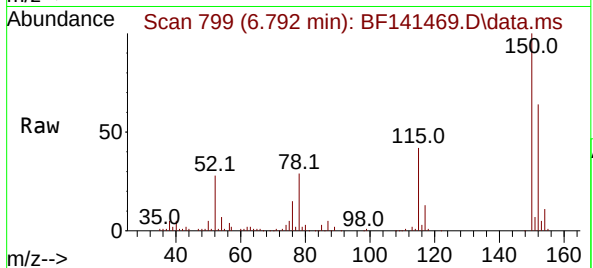
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

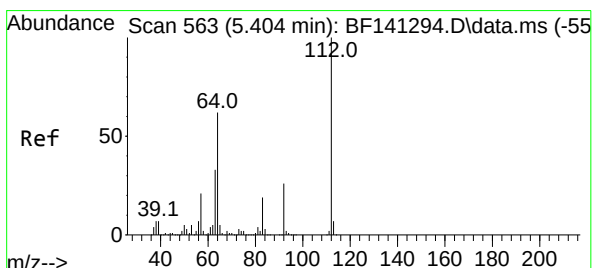
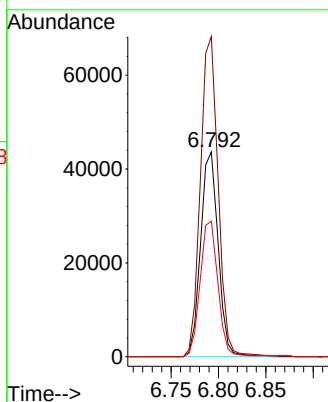
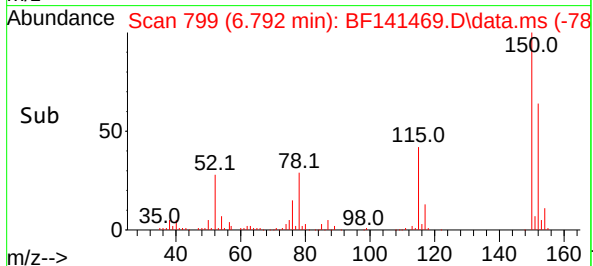
Instrument :
BNA_F
ClientSampleId :
HR-04-020425



Tgt Ion:152 Resp: 5618
Ion Ratio Lower Upper
152 100
150 156.3 125.9 188.9
115 66.2 49.7 74.5

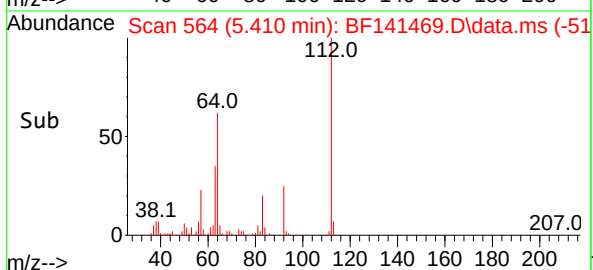
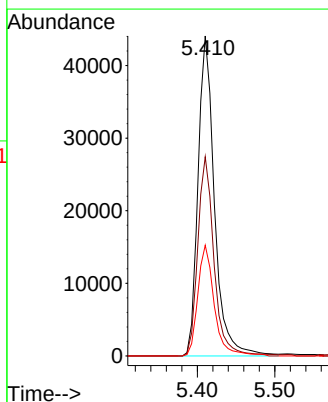
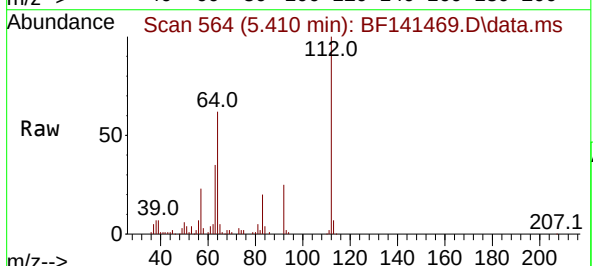
Manual Integrations
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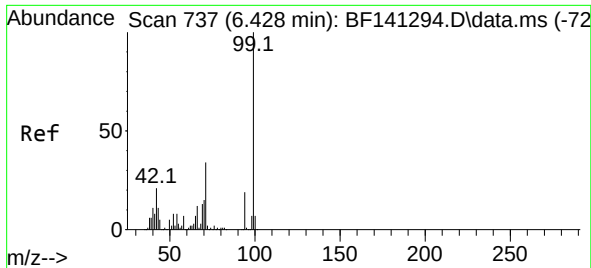
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 17.818 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

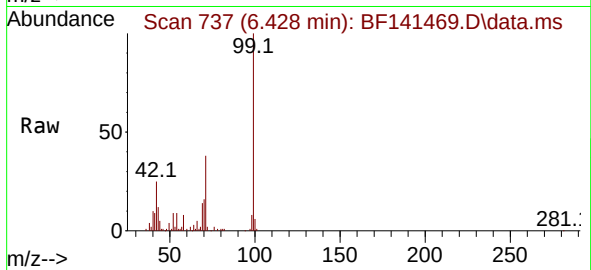
Tgt Ion:112 Resp: 65206
Ion Ratio Lower Upper
112 100
64 62.2 49.8 74.8
63 34.6 26.1 39.1





#7
Phenol-d6
Concen: 16.186 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

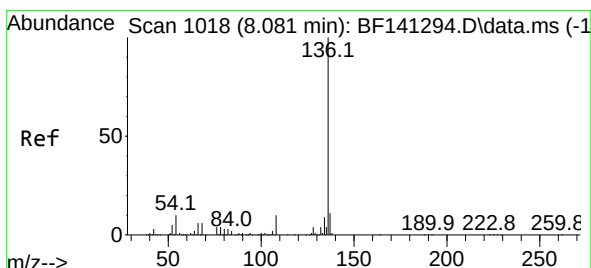
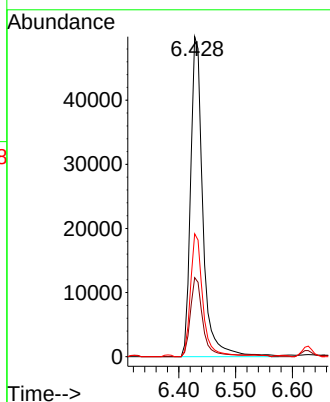
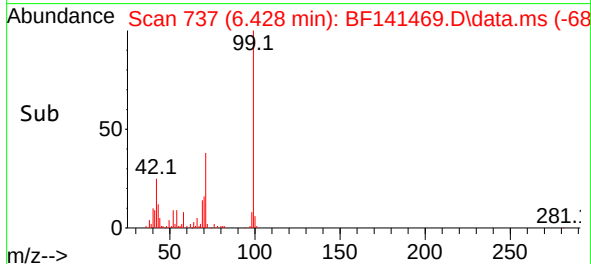
Instrument :
BNA_F
ClientSampleId :
HR-04-020425



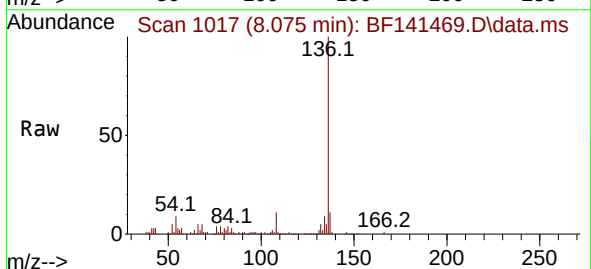
Tgt Ion: 99 Resp: 75350
Ion Ratio Lower Upper
99 100
42 24.7 17.1 25.7
71 38.4 26.9 40.3

Manual Integrations
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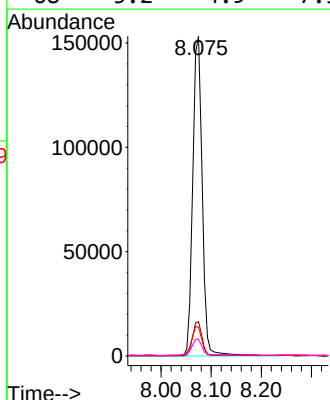
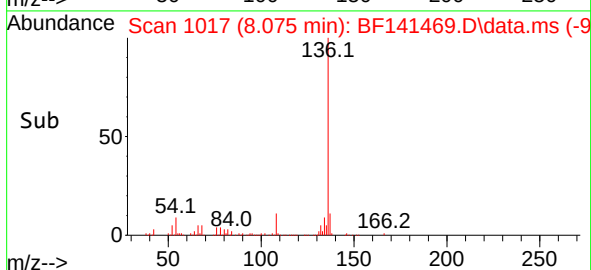
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

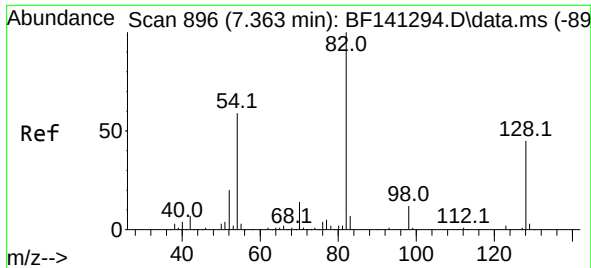


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59



Tgt Ion:136 Resp: 201329
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.0 7.8 11.8
68 5.2 4.9 7.3





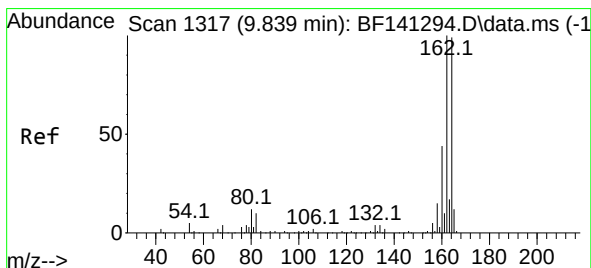
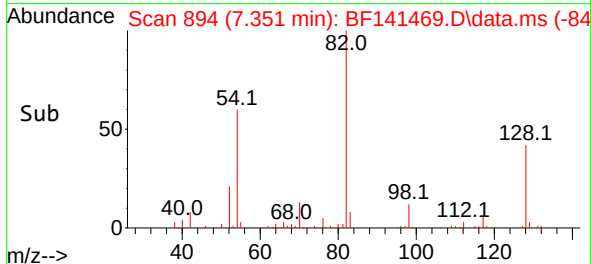
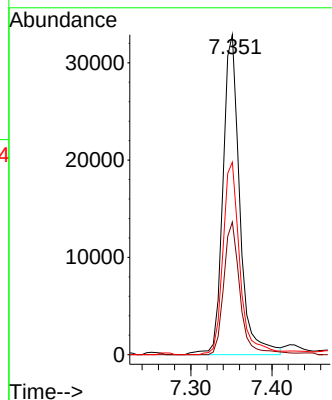
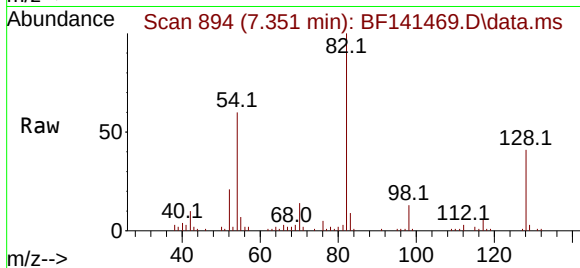
#23
Nitrobenzene-d5
Concen: 12.404 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Instrument :
BNA_F
ClientSampleId :
HR-04-020425

Tgt Ion: 82 Resp: 4737
Ion Ratio Lower Upper
82 100
128 41.5 35.7 53.5
54 60.1 47.1 70.7

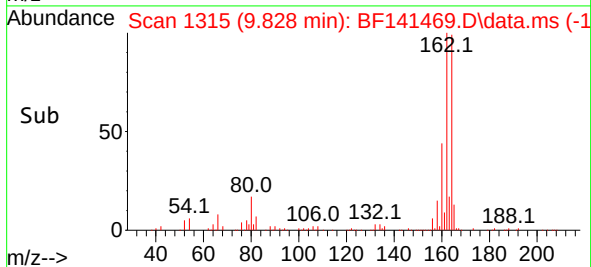
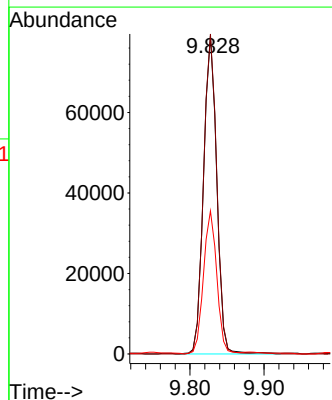
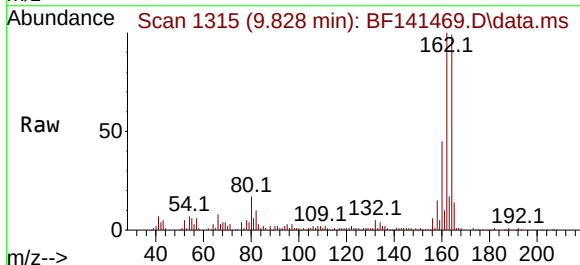
Manual Integrations
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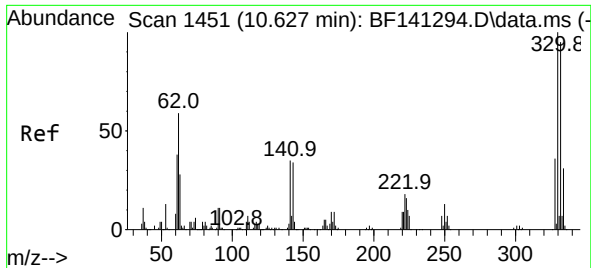
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

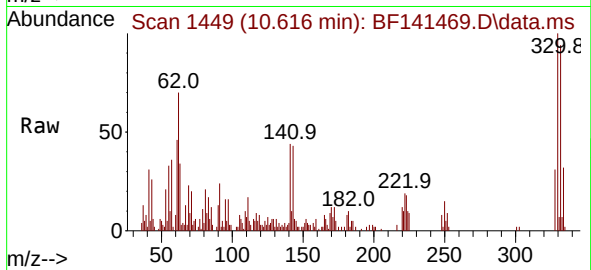
Tgt Ion:164 Resp: 98295
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 45.0 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 18.077 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

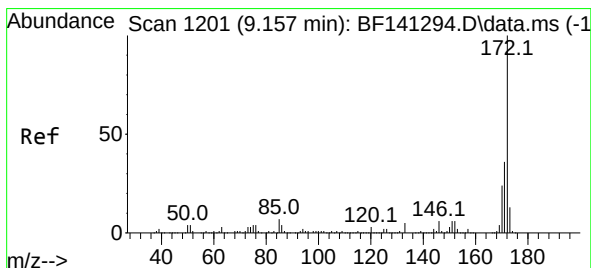
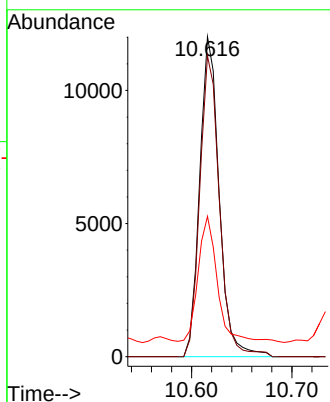
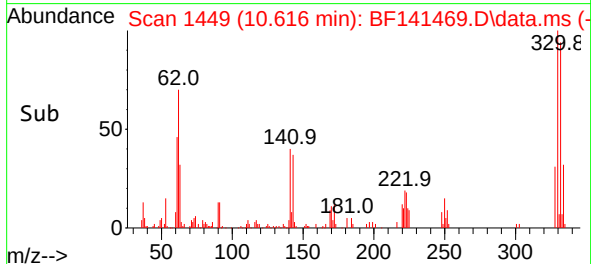
Instrument :
BNA_F
ClientSampleId :
HR-04-020425



Tgt Ion: 330 Resp: 16290
Ion Ratio Lower Upper
330 100
332 94.7 76.1 114.1
141 39.7 28.8 43.2

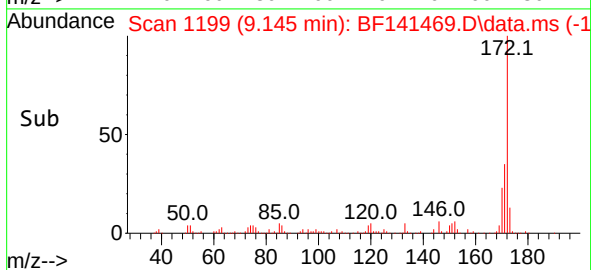
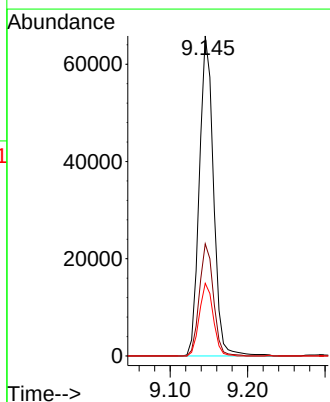
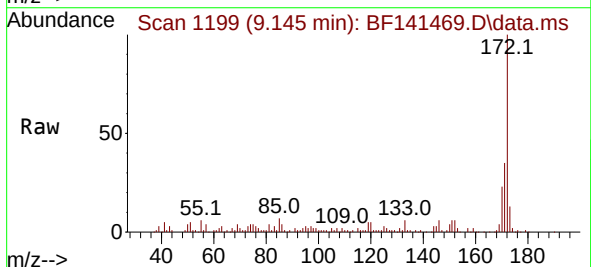
Manual Integrations
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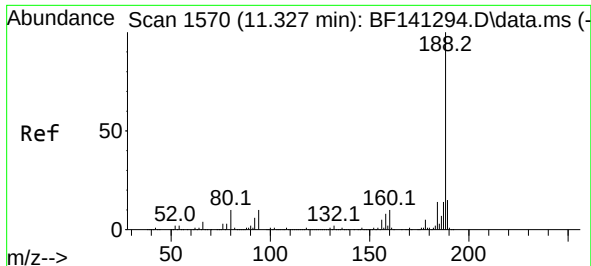
Reviewed By : Yogesh Patel 02/06/2025
Supervised By : mohammad ahmed 02/06/2025



#45
2-Fluorobiphenyl
Concen: 13.073 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion: 172 Resp: 83483
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 22.7 19.0 28.6





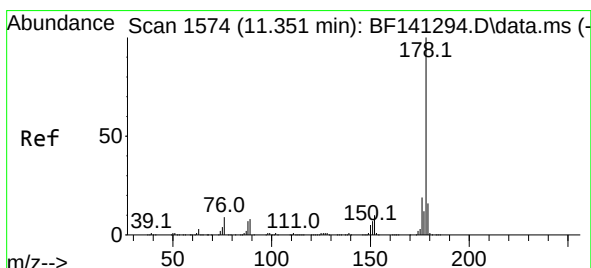
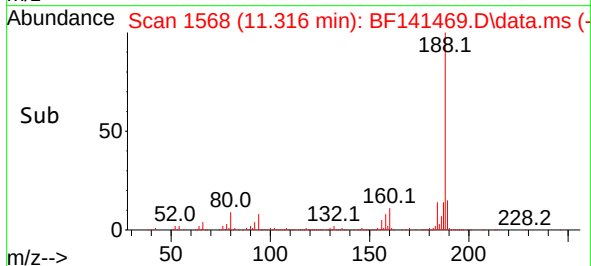
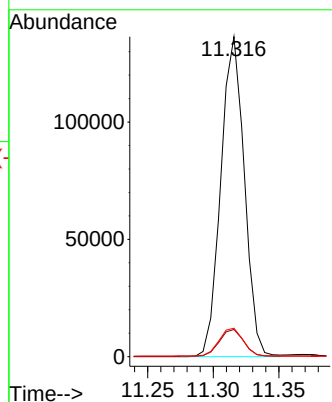
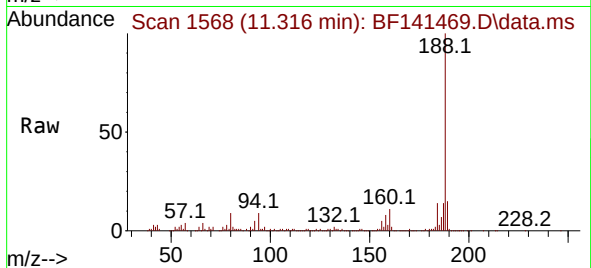
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Instrument :
BNA_F
ClientSampleId :
HR-04-020425

Tgt Ion:188 Resp: 17016
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 8.9 8.2 12.4

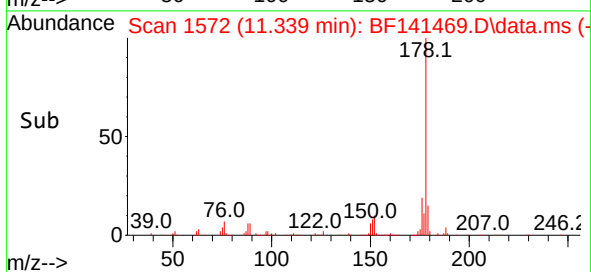
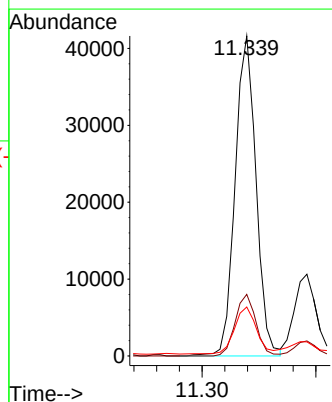
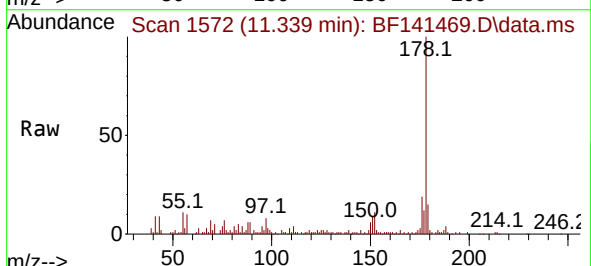
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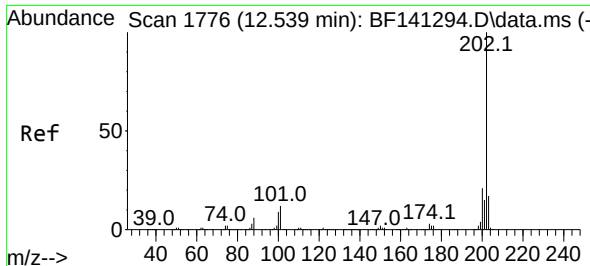
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#71
Phenanthrene
Concen: 5.811 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

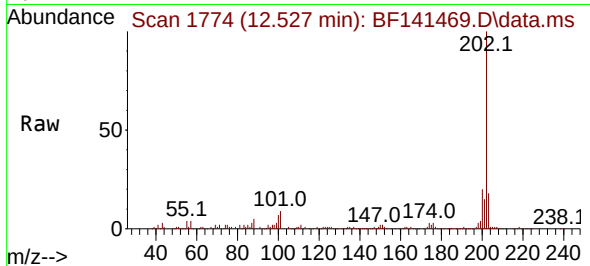
Tgt Ion:178 Resp: 53151
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.3 12.5 18.7





#75
Fluoranthene
Concen: 12.821 ng
RT: 12.527 min Scan# 115790
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

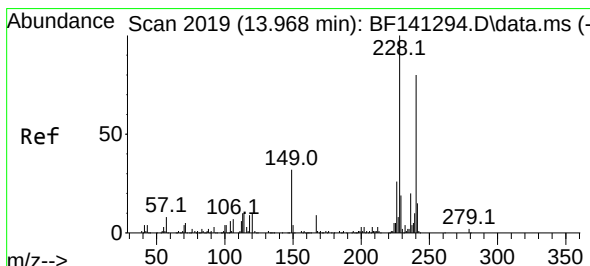
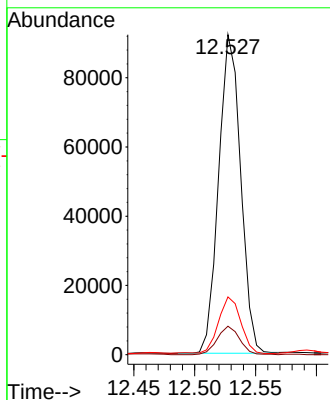
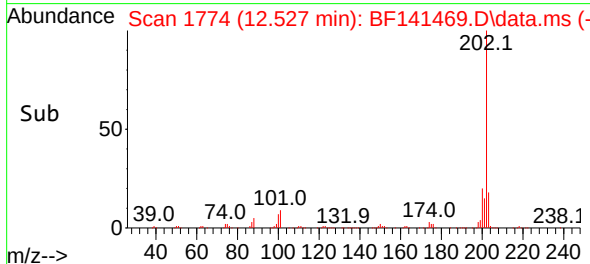
Instrument :
BNA_F
ClientSampleId :
HR-04-020425



Tgt Ion:202 Resp: 115790
Ion Ratio Lower Upper
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101 8.9 0.0 31.7
203 18.1 0.0 37.5

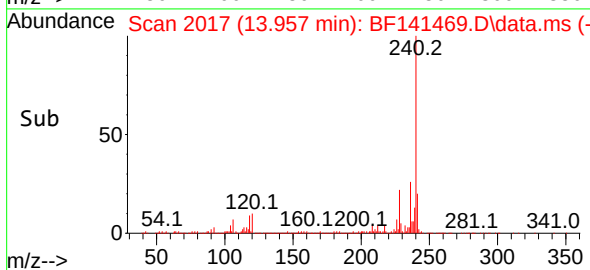
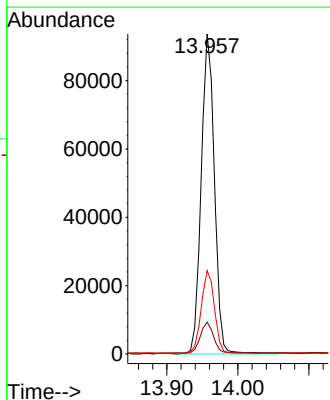
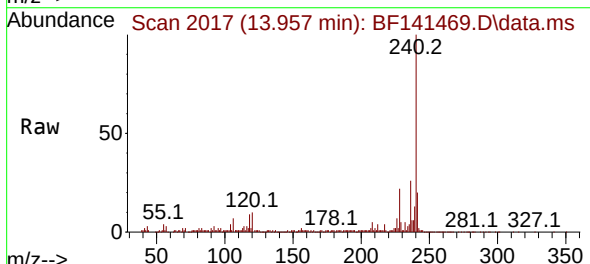
Manual Integrations
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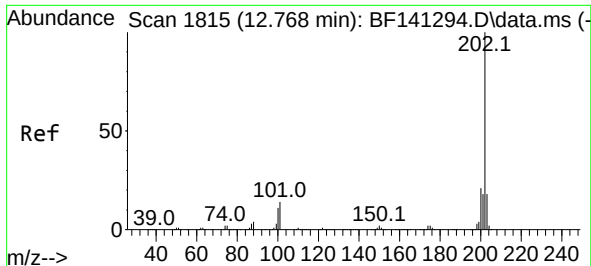
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

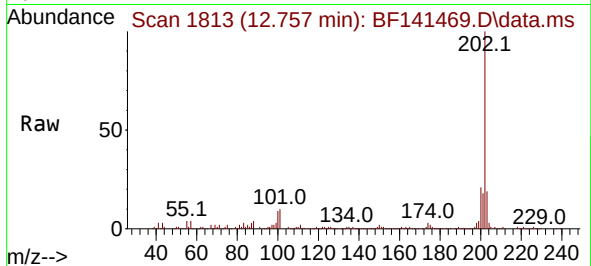
Tgt Ion:240 Resp: 121887
Ion Ratio Lower Upper
240 100
120 10.0 10.0 15.0#
236 26.1 19.7 29.5





#78
Pyrene
Concen: 9.359 ng
RT: 12.757 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

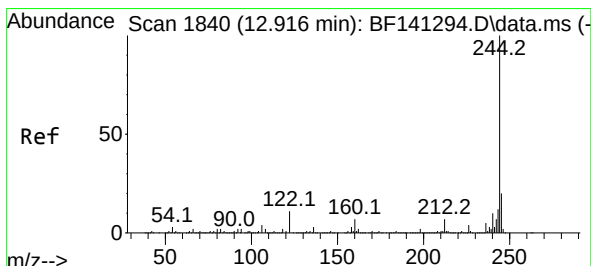
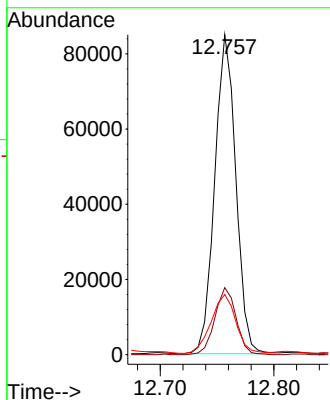
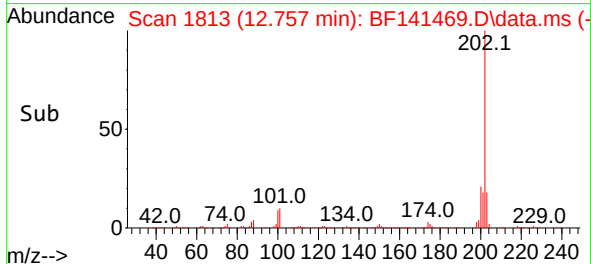
Instrument :
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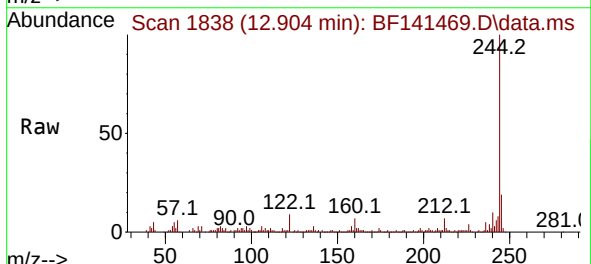
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Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.8 14.3 21.5

Manual Integrations
APPROVED

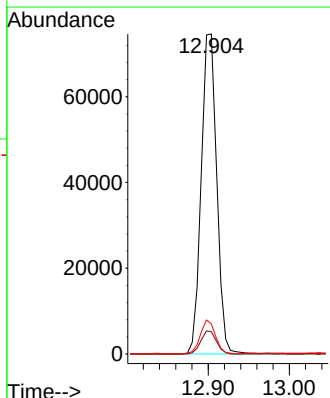
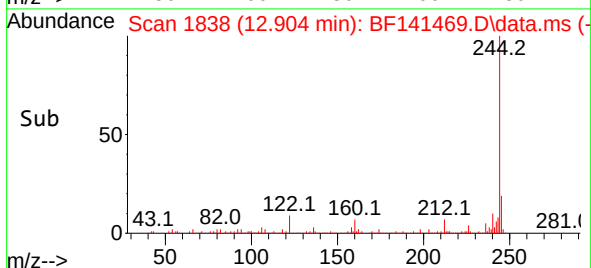
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

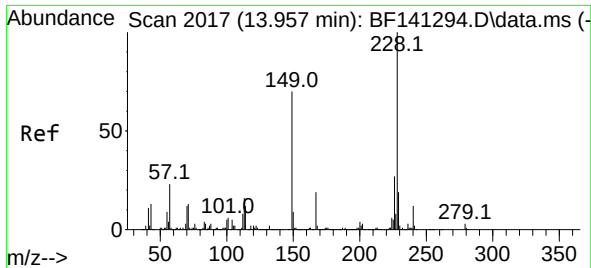


#79
Terphenyl-d14
Concen: 12.536 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59



Tgt Ion:244 Resp: 99078
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 9.4 8.8 13.2





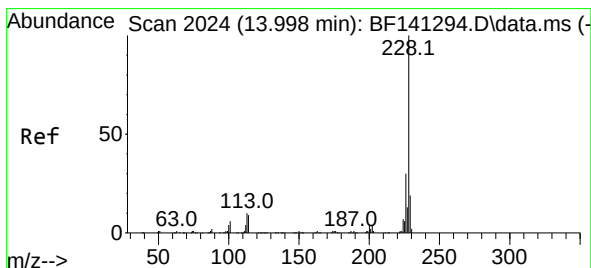
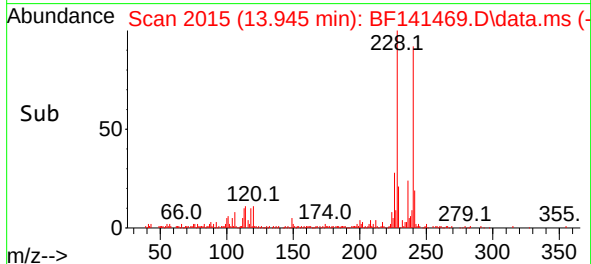
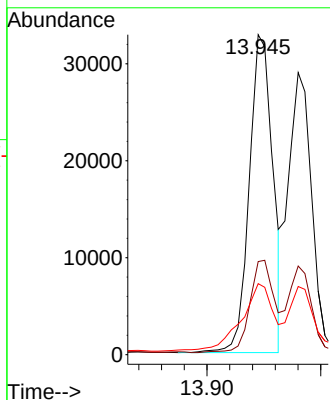
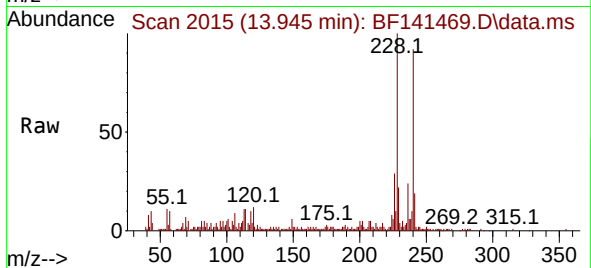
#81
Benzo(a)anthracene
Concen: 5.616 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Instrument :
BNA_F
ClientSampleId :
HR-04-020425

Tgt Ion:228 Resp: 47238
Ion Ratio Lower Upper
228 100
226 29.1 21.4 32.2
229 22.2 15.5 23.3

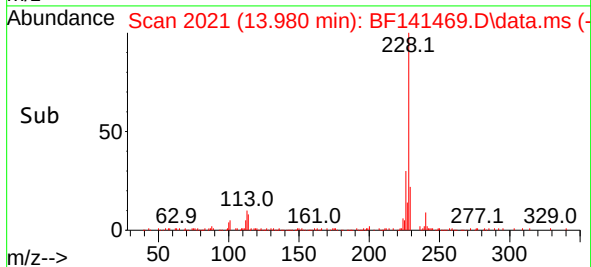
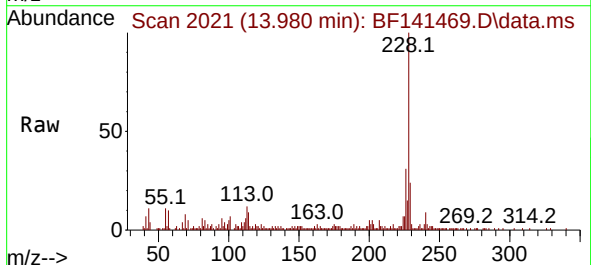
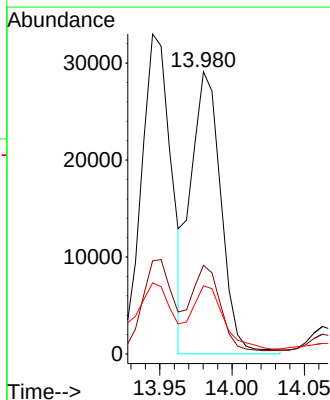
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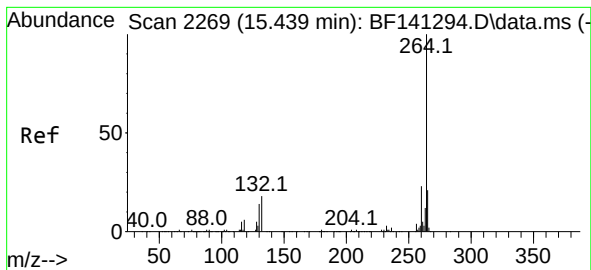
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#83
Chrysene
Concen: 5.465 ng m
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:228 Resp: 42129
Ion Ratio Lower Upper
228 100
226 31.4 24.1 36.1
229 24.2 15.6 23.4#





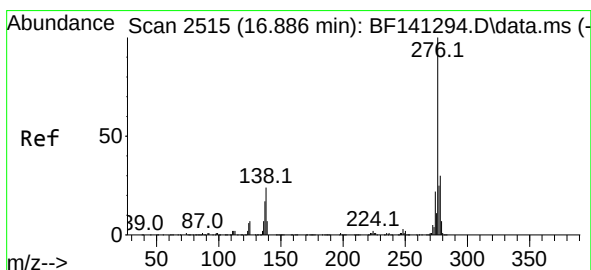
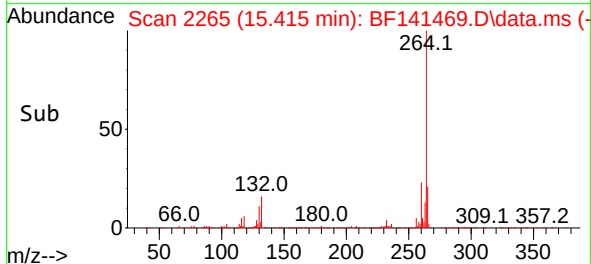
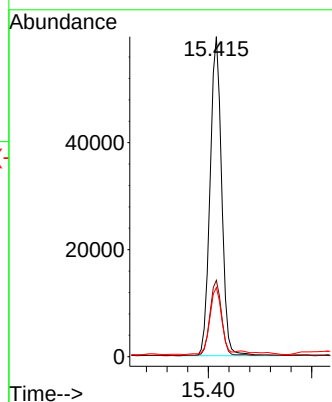
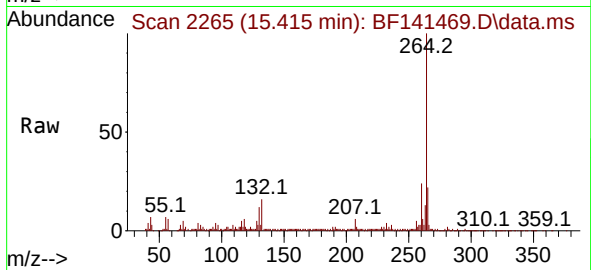
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Instrument :
BNA_F
ClientSampleId :
HR-04-020425

Tgt Ion:264 Resp: 92490
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.6 16.7 25.1

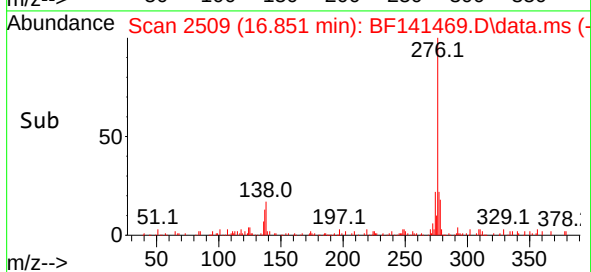
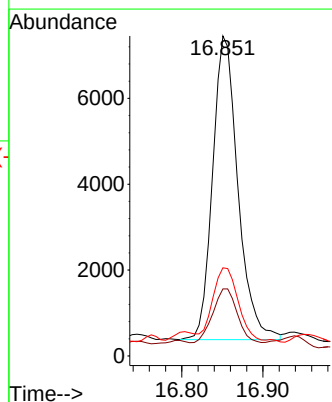
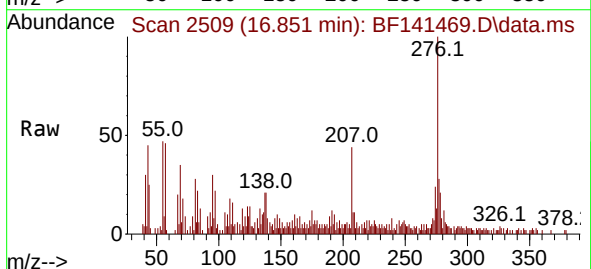
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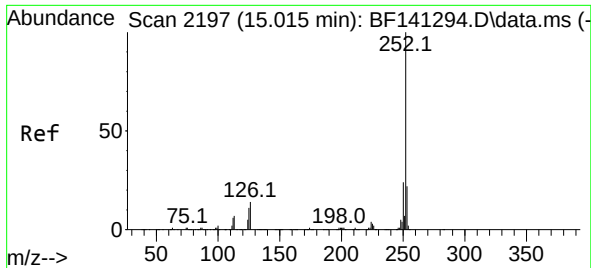
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.571 ng
RT: 16.851 min Scan# 2509
Delta R.T. -0.047 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:276 Resp: 15350
Ion Ratio Lower Upper
276 100
138 20.6 21.7 32.5#
277 25.8 20.3 30.5





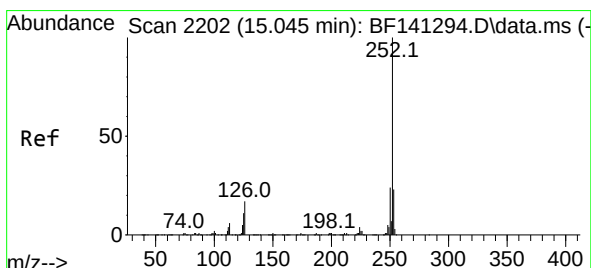
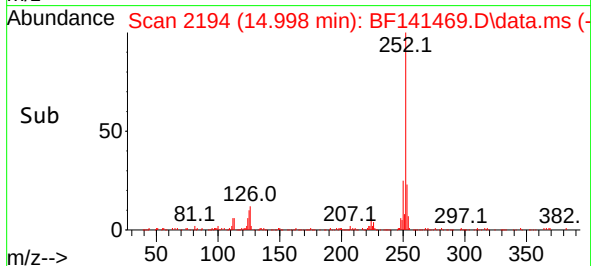
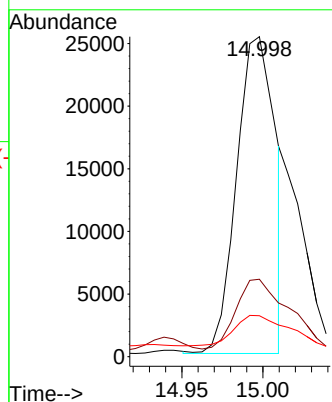
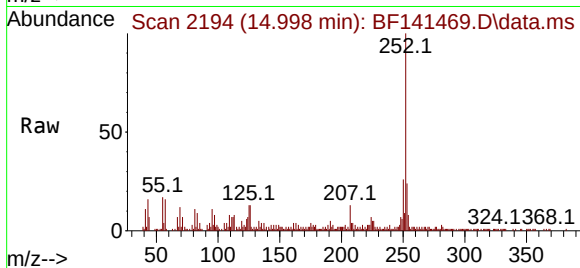
#88
Benzo(b)fluoranthene
Concen: 7.172 ng m
RT: 14.998 min Scan# 2197
Delta R.T. -0.024 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Instrument :
BNA_F
ClientSampleId :
HR-04-020425

Tgt Ion:252 Resp: 4173
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 12.8 8.6 12.8

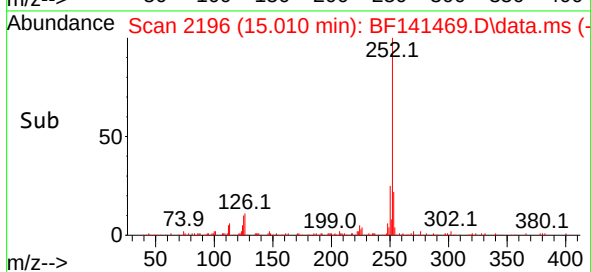
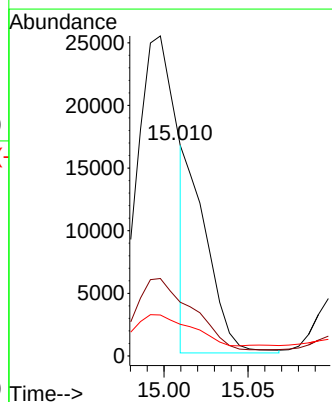
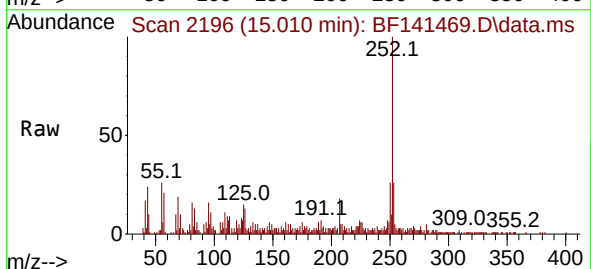
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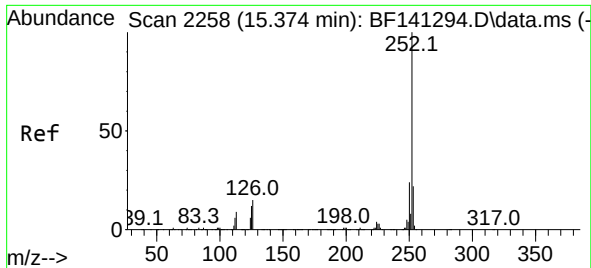
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#89
Benzo(k)fluoranthene
Concen: 2.843 ng m
RT: 15.010 min Scan# 2196
Delta R.T. -0.041 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:252 Resp: 14656
Ion Ratio Lower Upper
252 100
253 25.6 17.6 26.4
125 15.1 8.4 12.6#





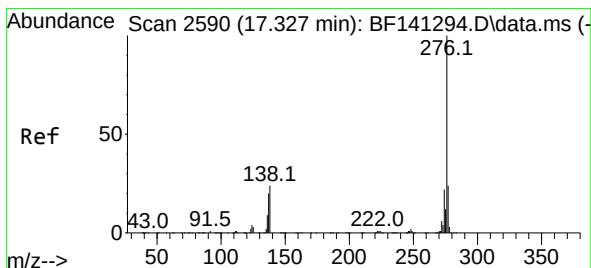
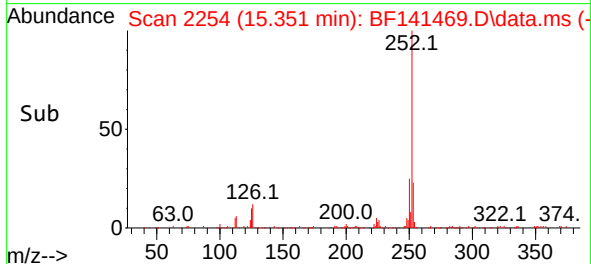
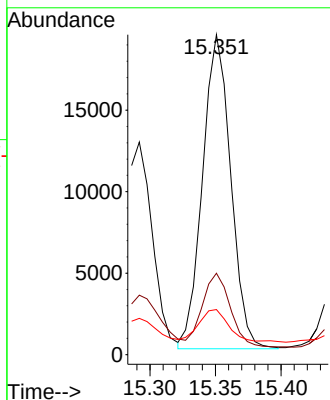
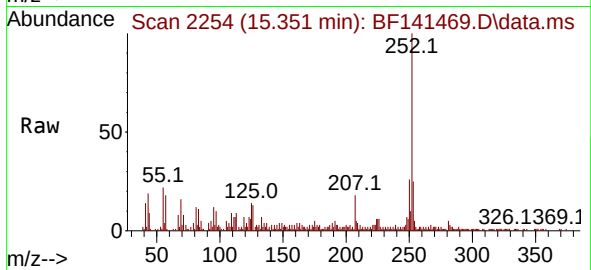
#90
Benzo(a)pyrene
Concen: 5.869 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Instrument :
BNA_F
ClientSampleId :
HR-04-020425

Tgt Ion:252 Resp: 2885
Ion Ratio Lower Upper
252 100
253 25.5 17.2 25.8
125 14.1 9.4 14.2

Manual Integrations
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Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 3.039 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.059 min
Lab File: BF141469.D
Acq: 06 Feb 2025 00:59

Tgt Ion:276 Resp: 15177
Ion Ratio Lower Upper
276 100
277 26.4 19.2 28.8
138 22.5 19.0 28.4

